

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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit of CA/Agreement, Name and/or No. WILD THING FEDERAL COM/NMNM106701829
2. Name of Operator COG OPERATING LLC		8. Well Name and No. WILD THING FEDERAL COM/502H
3a. Address 600 West Illinois Ave, Midland, TX 79701	3b. Phone No. (include area code) (432) 683-7443	9. API Well No. 3001556222
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) SEC 31/T25S/R29E/NMP		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			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or 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 determined that the site is ready for final inspection.)

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

API #30-015-56222
APD ID #10400094153

KOP Changes:
From: 1111' FSL & 1731' FEL Section 31. T25S. R29E
To: 377' FNL & 2595' FEL Section 6. T26S. R29E.

Drilling Changes:
C102, drilling program, directional plan, AC report and Tenaris data sheet attached.

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

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved	Petroleum Engineer Title	10/03/2025 Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office CARLSBAD	

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

(Instructions on page 2)

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

Location of Well

0. SHL: SWSE / 1111 FSL / 1731 FEL / TWSP: 25S / RANGE: 29E / SECTION: 31 / LAT: 32.081999 / LONG: -104.020609 (TVD: 0 feet, MD: 0 feet)

PPP: SWSE / 100 FSL / 2595 FEL / TWSP: 25S / RANGE: 29E / SECTION: 31 / LAT: 32.07922 / LONG: -104.023418 (TVD: 8271 feet, MD: 8478 feet)

PPP: SWSE / 1 FSL / 2595 FEL / TWSP: 25S / RANGE: 29E / SECTION: 30 / LAT: 32.093615 / LONG: -104.02332 (TVD: 8425 feet, MD: 14355 feet)

BHL: NWSE / 2590 FSL / 2595 FEL / TWSP: 25S / RANGE: 29E / SECTION: 19 / LAT: 32.115398 / LONG: -104.023625 (TVD: 8425 feet, MD: 21551 feet)

CONFIDENTIAL

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: <input type="checkbox"/> Initial Submittal <input checked="" type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled
---	--	--

WELL LOCATION INFORMATION

API Number 30-015-56222	Pool Code 13354	Pool Name Corral Canyon, Bone Spring South
Property Code 336969	Property Name WILD THING FEDERAL COM	
OGRID No. 217817	Operator Name CONOCOPHILLIPS COMPANY	Well Number 502H
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal		Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
O	31	25S	29E		1,111' FSL	1,731' FEL	32.081999°	-104.020609°	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
J	19	25S	29E		2,590' FSL	2,595' FEL	32.115398°	-104.023625°	EDDY

Dedicated Acres 319.77	Infill or Defining Well Defining	Defining Well API Pending	Overlapping Spacing Unit (Y/N) Y	Consolidation Code
Order Numbers.			Well setbacks are under Common Ownership: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
B	6	26S	29E		377' FNL	2,595' FEL	32.077908°	-104.023416°	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
O	31	25S	29E		100' FSL	2,595' FEL	32.079220°	-104.023418°	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
J	19	25S	29E		2,540' FSL	2,595' FEL	32.115260°	-104.023624°	EDDY

Unitized Area or Area of Uniform Interest COM	Spacing Unit Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation: 2944.99'
---	--	--

<p>OPERATOR CERTIFICATIONS</p> <p>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.</p> <p>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.</p>	<p>SURVEYOR CERTIFICATIONS</p> <p>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.</p> <div style="text-align: center;">  <p>Date: 7/16/2025</p> </div>	
Signature Mayte Reyes	Date 7/18/2025	Signature and Seal of Professional Surveyor
Printed Name Mayte Reyes	Certificate Number 12177	Date of Survey 7/16/2025
Email Address mayte.x.reyes@cop.com		

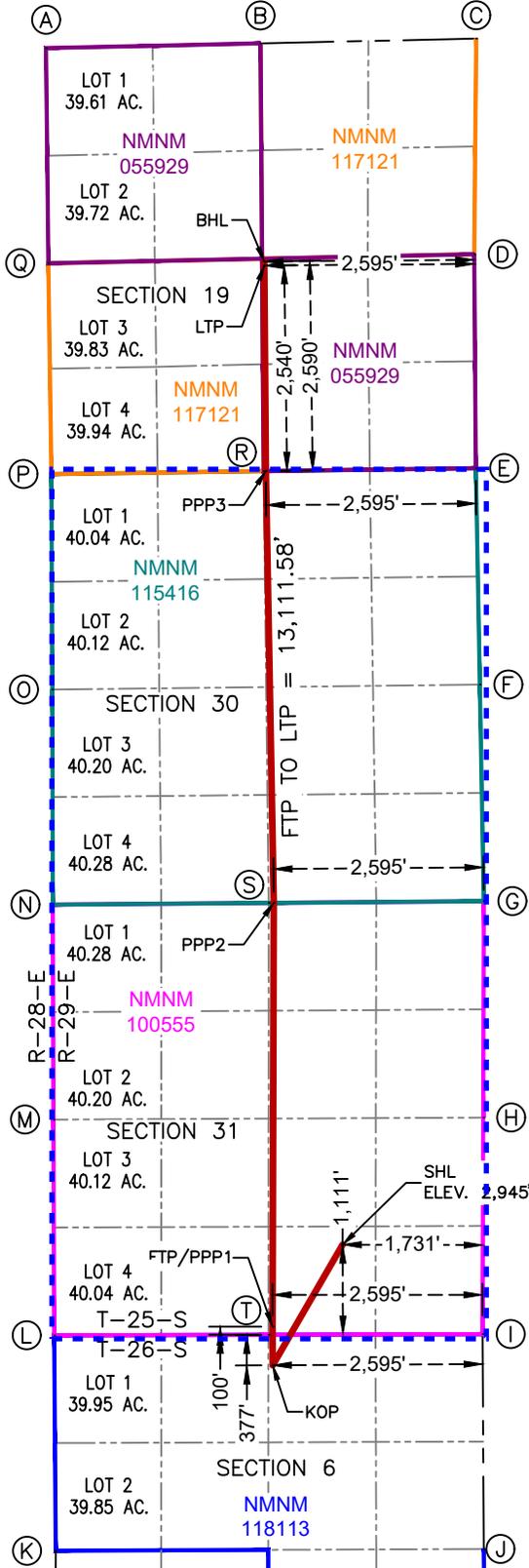
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

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.

WILD THING FEDERAL COM 502H



SURFACE HOLE LOCATION

1,111' FSL & 1,731' FEL
ELEV.=2,945'

NAD 83 X = 638,192.14'
NAD 83 Y = 393,708.90'
NAD 83 LAT = 32.081999°
NAD 83 LONG = -104.020609°

PENETRATION POINT 3
0' FSL & 2,595' FEL

NAD 83 X = 637,242.53'
NAD 83 Y = 403,265.76'
NAD 83 LAT = 32.108278°
NAD 83 LONG = -104.023586°

KICK-OFF POINT
377' FNL & 2,595' FEL

NAD 83 X = 637,326.93'
NAD 83 Y = 392,218.16'
NAD 83 LAT = 32.077908°
NAD 83 LONG = -104.023416°

LAST TAKE POINT
2,540' FSL & 2,595' FEL

NAD 83 X = 637,223.48'
NAD 83 Y = 405,805.74'
NAD 83 LAT = 32.115260°
NAD 83 LONG = -104.023624°

FIRST TAKE POINT & PENETRATION POINT 1
100' FSL & 2,595' FEL

NAD 83 X = 637,325.03'
NAD 83 Y = 392,695.16'
NAD 83 LAT = 32.079220°
NAD 83 LONG = -104.023418°

BOTTOM HOLE LOCATION
2,590' FSL & 2,595' FEL

NAD 83 X = 637,223.11'
NAD 83 Y = 405,855.74'
NAD 83 LAT = 32.115398°
NAD 83 LONG = -104.023625°

PENETRATION POINT 2
0' FSL & 2,595' FEL

NAD 83 X = 637,340.44'
NAD 83 Y = 397,931.85'
NAD 83 LAT = 32.093615°
NAD 83 LONG = -104.023320°

CORNER COORDINATES
NEW MEXICO EAST - NAD 83

A	IRON PIPE W/ BRASS CAP N:408,491.76' E:634,527.03'	K	IRON PIPE W/ BRASS CAP N:389,926.78' E:634,647.65'
B	IRON PIPE W/ BRASS CAP N:408,550.32' E:637,176.91'	L	IRON PIPE W/ BRASS CAP N:392,587.40' E:634,628.88'
C	IRON PIPE W/ BRASS CAP N:408,608.72' E:639,842.20'	M	IRON PIPE W/ BRASS CAP N:395,253.80' E:634,619.28'
D	IRON PIPE W/ BRASS CAP N:405,945.03' E:639,817.52'	N	IRON PIPE W/ BRASS CAP N:397,909.72' E:634,611.48'
E	IRON PIPE W/ BRASS CAP N:403,301.58' E:639,837.28'	O	IRON PIPE W/ BRASS CAP N:400,566.94' E:634,605.07'
F	IRON PIPE W/ BRASS CAP N:400,627.62' E:639,886.49'	P	IRON PIPE W/ BRASS CAP N:403,228.52' E:634,593.72'
G	IRON PIPE W/ BRASS CAP N:397,952.39' E:639,935.36'	Q	IRON PIPE W/ BRASS CAP N:405,833.10' E:634,556.38'
H	IRON PIPE W/ BRASS CAP N:395,278.43' E:639,928.06'	R	IRON PIPE W/ BRASS CAP N:403,265.40' E:637,216.41'
I	IRON PIPE W/ BRASS CAP N:392,602.51' E:639,919.75'	S	IRON PIPE W/ BRASS CAP N:397,931.36' E:637,278.26'
J	IRON PIPE W/ BRASS CAP N:389,949.16' E:639,935.13'	T	IRON PIPE W/ BRASS CAP N:392,595.01' E:637,274.88'

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: <input type="checkbox"/> Initial Submittal <input checked="" type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled

WELL LOCATION INFORMATION

API Number 30-015-56222	Pool Code 96217	Pool Name Willow Lake; Bone Spring, Southeast
Property Code 336969	Property Name WILD THING FEDERAL COM	
OGRID No. 217817	Operator Name CONOCOPHILLIPS COMPANY	Well Number 502H
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal		Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
O	31	25S	29E		1,111' FSL	1,731' FEL	32.081999°	-104.020609°	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
J	19	25S	29E		2,590' FSL	2,595' FEL	32.115398°	-104.023625°	EDDY

Dedicated Acres 319.77	Infill or Defining Well Defining	Defining Well API Pending	Overlapping Spacing Unit (Y/N) Y	Consolidation Code
Order Numbers.			Well setbacks are under Common Ownership: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
B	6	26S	29E		377' FNL	2,595' FEL	32.077908°	-104.023416°	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
O	31	25S	29E		100' FSL	2,595' FEL	32.079220°	-104.023418°	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
J	19	25S	29E		2,540' FSL	2,595' FEL	32.115260°	-104.023624°	EDDY

Unitized Area or Area of Uniform Interest COM	Spacing Unit Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation: 2944.99'
---	--	---

<p>OPERATOR CERTIFICATIONS</p> <p>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.</p> <p>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.</p>	<p>SURVEYOR CERTIFICATIONS</p> <p>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.</p> <div style="text-align: center;">  <p>Date: 7/16/2025</p> </div>	
Signature Mayte Reyes	Date 7/18/2025	Signature and Seal of Professional Surveyor
Printed Name Mayte Reyes	Certificate Number 12177	Date of Survey 7/16/2025
Email Address mayte.x.reyes@cop.com		

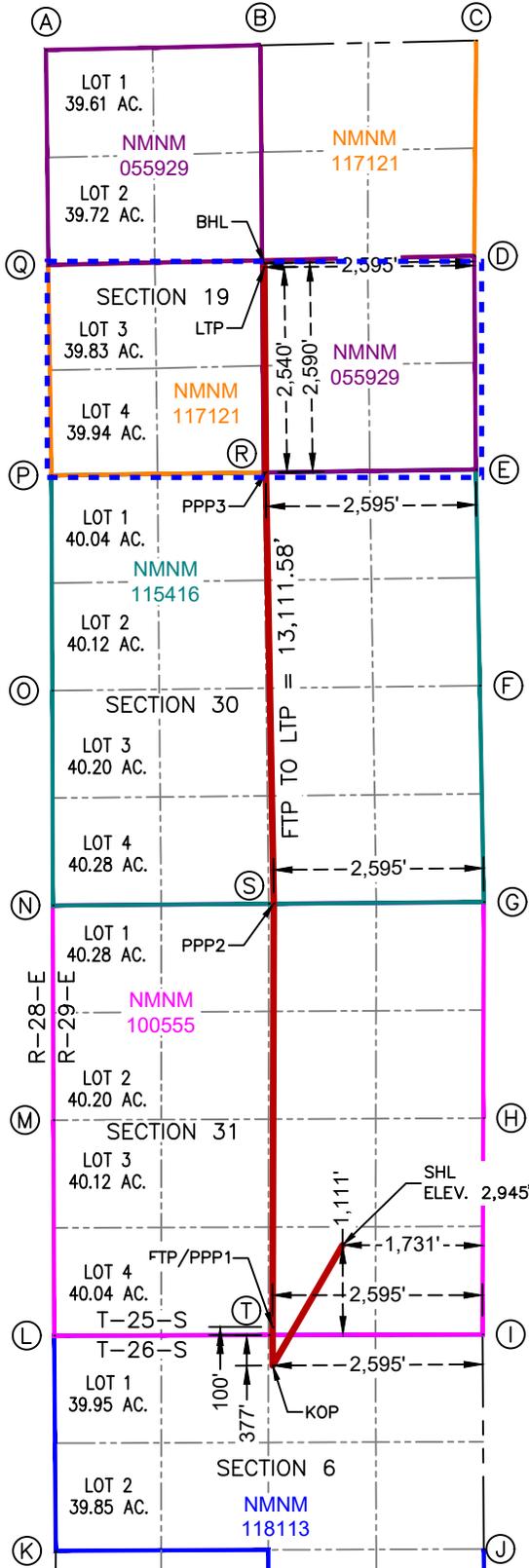
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

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.

WILD THING FEDERAL COM 502H



SURFACE HOLE LOCATION

1,111' FSL & 1,731' FEL
ELEV.=2,945'

NAD 83 X = 638,192.14'
NAD 83 Y = 393,708.90'
NAD 83 LAT = 32.081999°
NAD 83 LONG = -104.020609°

PENETRATION POINT 3
0' FSL & 2,595' FEL

NAD 83 X = 637,242.53'
NAD 83 Y = 403,265.76'
NAD 83 LAT = 32.108278°
NAD 83 LONG = -104.023586°

KICK-OFF POINT
377' FNL & 2,595' FEL

NAD 83 X = 637,326.93'
NAD 83 Y = 392,218.16'
NAD 83 LAT = 32.077908°
NAD 83 LONG = -104.023416°

LAST TAKE POINT
2,540' FSL & 2,595' FEL

NAD 83 X = 637,223.48'
NAD 83 Y = 405,805.74'
NAD 83 LAT = 32.115260°
NAD 83 LONG = -104.023624°

FIRST TAKE POINT & PENETRATION POINT 1
100' FSL & 2,595' FEL

NAD 83 X = 637,325.03'
NAD 83 Y = 392,695.16'
NAD 83 LAT = 32.079220°
NAD 83 LONG = -104.023418°

BOTTOM HOLE LOCATION
2,590' FSL & 2,595' FEL

NAD 83 X = 637,223.11'
NAD 83 Y = 405,855.74'
NAD 83 LAT = 32.115398°
NAD 83 LONG = -104.023625°

PENETRATION POINT 2
0' FSL & 2,595' FEL

NAD 83 X = 637,340.44'
NAD 83 Y = 397,931.85'
NAD 83 LAT = 32.093615°
NAD 83 LONG = -104.023320°

CORNER COORDINATES
NEW MEXICO EAST - NAD 83

A	IRON PIPE W/ BRASS CAP N:408,491.76' E:634,527.03'	K	IRON PIPE W/ BRASS CAP N:389,926.78' E:634,647.65'
B	IRON PIPE W/ BRASS CAP N:408,550.32' E:637,176.91'	L	IRON PIPE W/ BRASS CAP N:392,587.40' E:634,628.88'
C	IRON PIPE W/ BRASS CAP N:408,608.72' E:639,842.20'	M	IRON PIPE W/ BRASS CAP N:395,253.80' E:634,619.28'
D	IRON PIPE W/ BRASS CAP N:405,945.03' E:639,817.52'	N	IRON PIPE W/ BRASS CAP N:397,909.72' E:634,611.48'
E	IRON PIPE W/ BRASS CAP N:403,301.58' E:639,837.28'	O	IRON PIPE W/ BRASS CAP N:400,566.94' E:634,605.07'
F	IRON PIPE W/ BRASS CAP N:400,627.62' E:639,886.49'	P	IRON PIPE W/ BRASS CAP N:403,228.52' E:634,593.72'
G	IRON PIPE W/ BRASS CAP N:397,952.39' E:639,935.36'	Q	IRON PIPE W/ BRASS CAP N:405,833.10' E:634,556.38'
H	IRON PIPE W/ BRASS CAP N:395,278.43' E:639,928.06'	R	IRON PIPE W/ BRASS CAP N:403,265.40' E:637,216.41'
I	IRON PIPE W/ BRASS CAP N:392,602.51' E:639,919.75'	S	IRON PIPE W/ BRASS CAP N:397,931.36' E:637,278.26'
J	IRON PIPE W/ BRASS CAP N:389,949.16' E:639,935.13'	T	IRON PIPE W/ BRASS CAP N:392,595.01' E:637,274.88'

ConocoPhillips Company - Wild Thing Federal Com 502H

1. Geologic Formations

TVD of target	8,447' EOL	Pilot hole depth	NA
MD at TD:	22,096'	Deepest expected fresh water:	314'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	408	Water	
Top of Salt	683	Salt	
Base of Salt	2595	Salt	
Lamar	2779	Salt Water	
Bell Canyon	2828	Salt Water	
Cherry Canyon	3652	Oil/Gas	
Brushy Canyon	4937	Oil/Gas	
Bone Spring	6490	Oil/Gas	
1st Bone Spring Sand	7418	Oil/Gas	
2nd Bone Spring Sand	8266	Target	

2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Tension
	From	To							
17.5"	0	550	13.375"	54.5	J55	BTC	4.49	2.41	30.33
12.25"	0	2700	9.625"	40	L80-IC	BTC	2.76	1.73	8.77
8.75"	0	8,050	5.5"	20	P110-ICY	TXP BTC	2.94	4.30	4.30
7.875"	8,050	22,096	5.5"	20	P110-ICY	TXP BTC	2.95	4.31	4.32
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet

Intermediate casing will be kept at least 1/3 full while running casing to mitigate collapse. Surface burst based on 0.7 frac gradient at the shoe with Gas Gradient 0.1 psi/ft to surface. All casing strings will be tested in accordance with 43 CFR Part 3170 Subpart 3172

ConocoPhillips Company - Wild Thing Federal Com 502H

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Does casing meet API specifications? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	Y
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	
If yes, does production casing cement tie back a minimum of 50' above the Reef?	N
Is well within the designated 4 string boundary?	
Is well located in SOPA but not in R-111-P?	
If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back 500' into previous casing?	N
Is well located in R-111-P and SOPA?	
If yes, are the first three strings cemented to surface?	N
Is 2 nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	
If yes, are there two strings cemented to surface?	N
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	
If yes, are there three strings cemented to surface?	N

ConocoPhillips Company - Wild Thing Federal Com 502H

3. Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	260	13.5	1.75	9.21	12	Lead: Class C
	170	14.8	1.35	6.8	8	Tail: Class C
Inter.	420	12.8	1.8	9.21	12	Lead: Class C
	350	14.8	1.34	6.52	8	Tail: Class C
Prod.	650	10.2	2.98	14.92	72	Lead: Tuned Light
	1760	13.2	1.42	7.45	19	Tail: Class H

Intermediate #1 Salt string cemented to surface. **Intermediate cement job to be performed offline.**
 Drill out to wait for 500PSI compressive strength.

Volumes subject to observed hole conditions and/or fluid caliper results.
 Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

Casing String	TOC	% Excess
Surface	0'	50%
1 st Intermediate	0'	50%
Production	1,700'	0% OH in Lateral (KOP to EOL)

ConocoPhillips Company - Wild Thing Federal Com 502H

4. Pressure Control Equipment

N	A variance is requested for the use of a diverter on the surface casing. See attached for schematic.
Y	A variance is requested for the use of BOPE break testing on intermediate skids (in accordance with the 30 day full BOPE test requirements).

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	x	Tested to:
12-1/4"	13-5/8"	5M	Annular	x	2500 psi
			Blind Ram		5M
			Pipe Ram		
			Double Ram		
			Other*		
8-3/4" x 7-7/8"	13-5/8"	10M	Annular	x	50% testing pressure
			Blind Ram	x	10M
			Pipe Ram	x	
			Double Ram		
			Other*		

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per 43 CFR Part 3170 Subpart 3172 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

Y	Formation integrity test will be performed per Onshore Order #2.
Y	On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with 43 CFR Part 3170 Subpart 3172.
Y	A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.
N	Are anchors required by manufacturer?
N	A multibowl wellhead is being used. The BOP will be tested per 43 CFR Part 3170 Subpart 3172 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested.

ConocoPhillips Company - Wild Thing Federal Com 502H

5. Mud Program

Depth		Type	Weight (ppg)	Viscosity	Water Loss
From	To				
0	Surf. Shoe	FW Gel	8.6 - 8.8	28-34	N/C
Surf csg	9-5/8" Int shoe	Saturated Brine	9 - 10	28-34	N/C
9-5/8" Int shoe	Lateral TD	Cut Brine or OBM	8.6 - 9.5	28-34	N/C

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	PVT/Pason/Visual Monitoring
---	-----------------------------

6. Logging and Testing Procedures

Logging, Coring and Testing.	
Y	Will run GR/CNL from TD to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
Y	No Logs are planned based on well control or offset log information.
N	Drill stem test? If yes, explain.
N	Coring? If yes, explain.

Additional logs planned		Interval
N	Resistivity	Pilot Hole TD to ICP
N	Density	Pilot Hole TD to ICP
N	CBL	Production casing
Y	Mud log	Intermediate shoe to TD
N	PEX	

ConocoPhillips Company - Wild Thing Federal Com 502H

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	4175 psi at 8447' TVD
Abnormal Temperature	NO 145 Deg. F.

No abnormal pressure or temperature conditions are anticipated. Sufficient mud materials to maintain mud properties and weight increase requirements will be kept on location at all times.

Sufficient supplies of Paper/LCM for periodic sweeps to control seepage and losses will be maintained on location.

Hydrogen Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of 43 CFR Part 3170 Subpart 3176. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.	
N	H2S is present
Y	H2S Plan attached

8. Other Facets of Operation

Y	Is it a walking operation?
Y	Is casing pre-set?
Y	Is Pad Batch Drilled?

x	H2S Plan.
x	BOP & Choke Schematics.
x	Directional Plan



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		
Connection OD Option	Regular	Max. Allowable Bending	19 °/100 ft		
		External Pressure Capacity	1130 psi		
				Operation Limit Torques	
				Operating Torque	54,300 ft-lb
				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 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

Tenaris has issued this document for general information only and the information in this document, including, without limitation, any pictures, drawings or designs ("Information") is not intended to constitute professional or any other type of advice or recommendation and is provided on an "as is" basis. No warranty is given. Tenaris has not independently verified any information –if any- provided by the user in connection with, or for the purpose of, the Information contained hereunder. The use of the Information is at user's own risk and Tenaris does not assume any responsibility or liability of any kind for any loss, damage or injury resulting from, or in connection with any information contained hereunder or any use thereof. The Information in this document is subject to change or modification without notice. Tenaris's products and services are subject to Tenaris's standard terms and conditions or otherwise to the terms resulting from the respective contracts of sale or services, as the case may be, between petitioner and Tenaris. For more complete information please contact a Tenaris's representative or visit our website at www.tenaris.com. ©Tenaris 2024. All rights reserved.



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		
Connection OD Option	Regular	Max. Allowable Bending	38 °/100 ft		
		External Pressure Capacity	3870 psi		
				Operation Limit Torques	
				Operating Torque	35,600 ft-lb
				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

Tenaris has issued this document for general information only and the information in this document, including, without limitation, any pictures, drawings or designs ("Information") is not intended to constitute professional or any other type of advice or recommendation and is provided on an "as is" basis. No warranty is given. Tenaris has not independently verified any information –if any- provided by the user in connection with, or for the purpose of, the Information contained hereunder. The use of the Information is at user's own risk and Tenaris does not assume any responsibility or liability of any kind for any loss, damage or injury resulting from, or in connection with any information contained hereunder or any use thereof. The Information in this document is subject to change or modification without notice. Tenaris's products and services are subject to Tenaris's standard terms and conditions or otherwise to the terms resulting from the respective contracts of sale or services, as the case may be, between petitioner and Tenaris. For more complete information please contact a Tenaris's representative or visit our website at www.tenaris.com. ©Tenaris 2024. All rights reserved.



TXP[®] BTC



Coupling	Pipe Body
Grade: P110-ICY	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		
Connection OD Option	Regular	Max. Allowable Bending	104 °/100 ft		
		External Pressure Capacity	12,300 psi		
		Coupling Face Load	343,000 lb		
				Operation Limit Torques	
				Operating Torque	22,700 ft-lb
				Yield Torque	25,250 ft-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
 For further information on concepts indicated in this datasheet, download the Datasheet Manual from www.tenaris.com

Tenaris has issued this document for general information only, and the information in this document, including, without limitation, any pictures, drawings or designs ("Information") is not intended to constitute professional or any other type of advice or recommendation and is provided on an "as is" basis. No warranty is given. Tenaris has not independently verified any information –if any- provided by the user in connection with, or for the purpose of, the Information contained hereunder. The use of the Information is at user's own risk and Tenaris does not assume any responsibility or liability of any kind for any loss, damage or injury resulting from, or in connection with any Information contained hereunder or any use thereof. The Information in this document is subject to change or modification without notice. Tenaris's products and services are subject to Tenaris's standard terms and conditions or otherwise to the terms resulting from the respective contracts of sale or services, as the case may be, between petitioner and Tenaris. For more complete information please contact a Tenaris's representative or visit our website at www.tenaris.com. ©Tenaris 2024. All rights reserved.

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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit of CA/Agreement, Name and/or No. WILD THING FEDERAL COM/NMNM106701829
2. Name of Operator COG OPERATING LLC		8. Well Name and No. WILD THING FEDERAL COM/502H
3a. Address 600 West Illinois Ave, Midland, TX 79701	3b. Phone No. (include area code) (432) 683-7443	9. API Well No. 3001556222
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) SEC 31/T25S/R29E/NMP		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			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or 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 determined that the site is ready for final inspection.)

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

API #30-015-56222
APD ID #10400094153

KOP Changes:
From: 1111' FSL & 1731' FEL Section 31. T25S. R29E
To: 377' FNL & 2595' FEL Section 6. T26S. R29E.

Drilling Changes:
C102, drilling program, directional plan, AC report and Tenaris data sheet attached.

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

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved	Petroleum Engineer Title	10/03/2025 Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office CARLSBAD	

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

(Instructions on page 2)

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

Location of Well

0. SHL: SWSE / 1111 FSL / 1731 FEL / TWSP: 25S / RANGE: 29E / SECTION: 31 / LAT: 32.081999 / LONG: -104.020609 (TVD: 0 feet, MD: 0 feet)

PPP: SWSE / 100 FSL / 2595 FEL / TWSP: 25S / RANGE: 29E / SECTION: 31 / LAT: 32.07922 / LONG: -104.023418 (TVD: 8271 feet, MD: 8478 feet)

PPP: SWSE / 1 FSL / 2595 FEL / TWSP: 25S / RANGE: 29E / SECTION: 30 / LAT: 32.093615 / LONG: -104.02332 (TVD: 8425 feet, MD: 14355 feet)

BHL: NWSE / 2590 FSL / 2595 FEL / TWSP: 25S / RANGE: 29E / SECTION: 19 / LAT: 32.115398 / LONG: -104.023625 (TVD: 8425 feet, MD: 21551 feet)

CONFIDENTIAL

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Name: WILD THING FEDERAL COM	Well Location: T25S / R29E / SEC 31 / SWSE / 32.081999 / -104.020609	County or Parish/State: EDDY / NM
Well Number: 502H	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: 3001556222	Operator: COG OPERATING LLC	

Notice of Intent

Sundry ID: 2864561

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 07/22/2025

Time Sundry Submitted: 08:31

Date proposed operation will begin: 07/22/2025

Procedure Description: COG Operating LLC, respectfully requests approval for the following changes to original approved APD. API #30-015-56222 APD ID #10400094153 KOP Changes: From: 1111' FSL & 1731' FEL Section 31. T25S. R29E To: 377' FNL & 2595' FEL Section 6. T26S. R29E. Drilling Changes: C102, drilling program, directional plan, AC report and Tenaris data sheet attached.

NOI Attachments

Procedure Description

- COG_Wild_Thing_Federal_Com_502H_Updated_C102_CC_20250722082906.pdf
- COG_Wild_Thing_Federal_Com_502H_Updated_C102_WL_20250722082906.pdf
- WILD_THING_FEDERAL_COM_502H_PWP0_PLAN_RPT_20250722082902.pdf
- Tenaris_Data_Sheets__3_String__BSS__State_Line__20__P110_ICY_Prod_20250722082905.pdf
- WILD_THING_FEDERAL_COM_502H_PWP0_AC_RPT_20250722082905.pdf
- WILD_THING_FEDERAL_COM_502H_WPlot_20250722082906.pdf
- COG_Wild_Thing_Federal_Com_502H_Drilling_Program_20250722082905.pdf

Well Name: WILD THING FEDERAL COM

Well Location: T25S / R29E / SEC 31 / SWSE / 32.081999 / -104.020609

County or Parish/State: EDDY / NM

Well Number: 502H

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: 3001556222

Operator: COG OPERATING LLC

Conditions of Approval

Additional

Wild_Thing_Fed_Com_502H_COA_20251003073639.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 02:12 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

Zip: 79701

Phone: (432)685-4385

Email address: robyn.m.russell@cop.com

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: CWALLS@BLM.GOV

Disposition: Approved

Disposition Date: 10/03/2025

Signature: Chris Walls

DELAWARE BASIN WEST

ATLAS PROSPECT (DBW)

WTF COM PROJECT

WILD THING FEDERAL COM 502H

OWB

PWP0

Anticollision Report

30 June, 2025

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well WILD THING FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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	8,211.5	PWP0 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5
8,211.5	22,096.1	PWP0 (OWB)	r.5 MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + SAG + FDIR Corr.

Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Summary						
Offset Well - Wellbore - Design						
PUDGE FED COM PROJECT						
_PUDGE FEDERAL COM 500H - OWB - PWP0	4,200.0	4,183.6	51.6	23.9	1.862	Caution - Monitor Closely, ES, SF
_PUDGE FEDERAL COM 500H - OWB - PWP0	4,217.9	4,199.8	51.0	24.2	1.905	Caution - Monitor Closely, CC
_PUDGE FEDERAL COM 501H - OWB - PWP0	5,910.8	5,795.2	139.9	96.9	3.257	CC, ES
_PUDGE FEDERAL COM 501H - OWB - PWP0	6,000.0	5,881.1	142.0	97.5	3.193	SF
_PUDGE FEDERAL COM 701H - OWB - PWP0	4,125.8	4,083.8	160.8	134.0	5.998	CC, ES, SF
_PUDGE FEDERAL COM 702H - OWB - PWP0	5,098.4	4,976.5	116.3	82.9	3.489	CC
_PUDGE FEDERAL COM 702H - OWB - PWP0	5,100.0	4,978.0	116.3	82.9	3.488	ES, SF
_PUDGE FEDERAL COM 901H - OWB - PWP0	3,633.9	3,648.0	81.7	56.8	3.282	CC, ES, SF
_PUDGE FEDERAL COM 902H - OWB - PWP0	4,496.1	4,437.7	71.0	43.0	2.533	Normal Operations, CC
_PUDGE FEDERAL COM 902H - OWB - PWP0	4,500.0	4,441.2	71.0	42.9	2.526	Normal Operations, ES, SF
_PUDGE FEDERAL COM 903H - OWB - PWP0	4,920.2	4,823.0	75.4	43.3	2.349	Caution - Monitor Closely, CC, ES, SF
_PUDGE FEDERAL COM 904H - OWB - PWP0	8,850.0	8,439.7	262.7	213.8	5.372	SF
_PUDGE FEDERAL COM 904H - OWB - PWP0	8,900.0	8,443.2	254.7	207.9	5.446	ES
_PUDGE FEDERAL COM 904H - OWB - PWP0	8,919.0	8,443.2	254.0	208.0	5.520	CC
RICK VAUGHN FED COM PROJECT						
RICK VAUGHN FED COM 503H - OWB - PWP2	8,787.7	18,600.2	855.4	754.1	8.441	CC, ES
RICK VAUGHN FED COM 503H - OWB - PWP2	8,800.0	18,600.2	855.5	754.1	8.440	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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWPO	Offset TVD Reference:	Reference Datum

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 701H - OWB - PWPO	800.0	768.0	233.1	225.9	32.528	CC
_WILD THING FED COM 701H - OWB - PWPO	900.0	868.0	233.4	225.8	30.712	ES
_WILD THING FED COM 701H - OWB - PWPO	1,300.0	1,249.3	253.0	243.7	27.315	SF
_WILD THING FED COM 702H - OWB - PWPO	800.0	767.0	219.2	212.0	30.599	CC
_WILD THING FED COM 702H - OWB - PWPO	900.0	867.0	219.3	211.7	28.880	ES
_WILD THING FED COM 702H - OWB - PWPO	1,300.0	1,251.8	233.1	224.0	25.453	SF
_WILD THING FED COM 703H - OWB - PWPO	1,100.0	1,066.5	208.1	199.8	24.876	CC
_WILD THING FED COM 703H - OWB - PWPO	1,104.4	1,070.9	208.1	199.8	24.826	ES
_WILD THING FED COM 703H - OWB - PWPO	1,600.0	1,556.6	228.9	218.5	21.929	SF
_WILD THING FED COM 704H - OWB - PWPO	1,145.3	1,104.6	199.7	191.2	23.427	CC, ES
_WILD THING FED COM 704H - OWB - PWPO	8,936.1	8,447.9	738.3	694.0	16.657	SF
_WILD THING FED COM 705H - OWB - PWPO	2,244.0	2,204.6	153.4	139.1	10.749	CC
_WILD THING FED COM 705H - OWB - PWPO	2,300.0	2,260.1	153.5	138.7	10.376	ES
_WILD THING FED COM 705H - OWB - PWPO	9,100.0	8,482.9	254.5	198.8	4.575	SF
_WILD THING FED COM 706H - OWB - PWPO	9,044.0	8,431.6	324.8	284.9	8.158	CC, ES
_WILD THING FED COM 706H - OWB - PWPO	9,200.0	8,431.7	360.2	313.1	7.641	SF
_WILD THING FED COM 707H - OWB - PWPO	9,056.8	8,431.2	832.1	791.3	20.383	CC
_WILD THING FED COM 707H - OWB - PWPO	9,100.0	8,431.3	833.2	791.1	19.781	ES
_WILD THING FED COM 707H - OWB - PWPO	9,400.0	8,431.5	900.1	849.2	17.673	SF
_WILD THING FED COM 901H - OWB - PWPO	1,054.8	1,015.7	417.1	408.9	50.923	CC, ES
_WILD THING FED COM 901H - OWB - PWPO	1,700.0	1,583.3	476.5	465.6	43.980	SF
_WILD THING FED COM 902H - OWB - PWPO	1,085.5	1,043.5	408.7	400.4	49.186	CC
_WILD THING FED COM 902H - OWB - PWPO	1,100.0	1,056.7	408.7	400.3	48.866	ES
_WILD THING FED COM 902H - OWB - PWPO	1,700.0	1,591.2	455.9	445.4	43.428	SF
_WILD THING FED COM 903H - OWB - PWPO	1,505.8	1,461.7	395.3	385.5	40.279	CC, ES
_WILD THING FED COM 903H - OWB - PWPO	5,800.0	5,666.2	999.7	967.2	30.805	SF
_WILD THING FED COM 904H - OWB - PWPO	1,858.6	1,807.3	389.1	378.2	35.700	CC
_WILD THING FED COM 904H - OWB - PWPO	1,900.0	1,847.9	389.2	378.2	35.215	ES
_WILD THING FED COM 904H - OWB - PWPO	8,325.0	8,107.9	885.8	821.4	13.757	SF
_WILD THING FED COM 905H - OWB - PWPO	8,875.0	8,494.4	207.9	146.8	3.400	SF
_WILD THING FED COM 905H - OWB - PWPO	8,925.0	8,498.2	197.4	142.0	3.564	ES
_WILD THING FED COM 905H - OWB - PWPO	8,942.7	8,498.3	196.6	143.7	3.717	CC
_WILD THING FED COM 906H - OWB - PWPO	8,901.2	8,430.0	325.9	286.2	8.225	CC
_WILD THING FED COM 906H - OWB - PWPO	8,925.0	8,431.2	326.7	286.0	8.031	ES
_WILD THING FED COM 906H - OWB - PWPO	9,000.0	8,431.4	340.5	296.3	7.699	SF
_WILD THING FED COM 907H - OWB - PWPO	8,903.2	8,432.5	835.7	795.4	20.720	CC
_WILD THING FED COM 907H - OWB - PWPO	8,925.0	8,433.5	836.0	795.1	20.404	ES
_WILD THING FED COM 907H - OWB - PWPO	9,300.0	8,434.0	925.2	874.3	18.184	SF
_WILD THING FEDERAL COM 501H - OWB - PWPO	800.0	800.0	30.0	22.9	4.220	CC, ES
_WILD THING FEDERAL COM 501H - OWB - PWPO	900.0	900.0	31.6	24.0	4.127	SF
COOPER 31 FEDERAL 1 - OWB - AWP	13,200.0	9,285.7	972.4	861.7	8.777	SF
COOPER 31 FEDERAL 1 - OWB - AWP	13,510.1	9,282.3	921.7	872.1	18.575	CC
COOPER 31 FEDERAL 1 - OWB - AWP	13,800.0	9,279.0	966.2	856.6	8.813	ES
COOPER 31 FEDERAL 2H__P&A - OWB - AWP	7,236.3	8,909.7	961.8	881.1	11.919	CC, ES
COOPER 31 FEDERAL 2H__P&A - OWB - AWP	7,300.0	8,913.2	963.6	882.5	11.878	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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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: PUDGE FED COM PROJECT - _PUDGE FEDERAL COM 500H - OWB - PWPO														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		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			
1,900.0	1,877.7	2,102.9	2,095.6	7.5	6.5	41.79	-524.7	-994.3	989.1	976.1	12.97	76.242			
2,000.0	1,973.7	2,193.4	2,181.8	7.9	6.6	41.64	-535.6	-969.1	946.5	933.1	13.46	70.296			
2,100.0	2,069.8	2,283.9	2,268.0	8.3	6.8	41.48	-546.4	-943.8	904.0	890.0	13.97	64.698			
2,200.0	2,165.8	2,374.3	2,354.2	8.7	7.0	41.31	-557.3	-918.5	861.4	846.9	14.49	59.434			
2,300.0	2,261.8	2,464.8	2,440.4	9.1	7.1	41.11	-568.1	-893.3	818.9	803.9	15.03	54.488			
2,400.0	2,357.8	2,555.3	2,526.6	9.6	7.3	40.90	-578.9	-868.0	776.4	760.8	15.58	49.843			
2,500.0	2,453.9	2,645.7	2,612.7	10.0	7.5	40.65	-589.8	-842.8	733.8	717.7	16.14	45.480			
2,600.0	2,549.9	2,736.2	2,698.9	10.5	7.7	40.38	-600.6	-817.5	691.3	674.6	16.71	41.382			
2,700.0	2,645.9	2,826.7	2,785.1	10.9	7.8	40.08	-611.5	-792.3	648.9	631.6	17.29	37.530			
2,800.0	2,741.9	2,917.1	2,871.3	11.4	8.0	39.73	-622.3	-767.0	606.4	588.5	17.88	33.908			
2,900.0	2,838.0	3,007.6	2,957.5	11.8	8.2	39.32	-633.2	-741.7	563.9	545.4	18.49	30.500			
3,000.0	2,934.0	3,098.1	3,043.7	12.3	8.4	38.86	-644.0	-716.5	521.5	502.4	19.11	27.291			
3,100.0	3,030.0	3,188.5	3,129.9	12.8	8.6	38.31	-654.9	-691.2	479.1	459.4	19.74	24.266			
3,200.0	3,126.0	3,279.0	3,216.1	13.3	8.7	37.65	-665.7	-666.0	436.8	416.4	20.40	21.414			
3,300.0	3,222.1	3,369.4	3,302.3	13.7	8.9	36.85	-676.6	-640.7	394.5	373.4	21.07	18.723			
3,400.0	3,318.1	3,459.9	3,388.4	14.2	9.1	35.87	-687.4	-615.5	352.3	330.5	21.77	16.183			
3,500.0	3,414.1	3,550.4	3,474.6	14.7	9.3	34.61	-698.2	-590.2	310.2	287.7	22.50	13.787			
3,600.0	3,510.1	3,640.8	3,560.8	15.2	9.5	32.97	-709.1	-564.9	268.2	244.9	23.28	11.522			
3,700.0	3,606.2	3,731.3	3,647.0	15.6	9.7	30.72	-719.9	-539.7	226.5	202.4	24.13	9.389			
3,800.0	3,702.2	3,821.8	3,733.2	16.1	10.0	27.48	-730.8	-514.4	185.2	160.2	25.08	7.387			
3,900.0	3,798.2	3,912.2	3,819.4	16.6	10.2	22.45	-741.6	-489.2	144.8	118.6	26.20	5.526			
4,000.0	3,894.2	4,002.7	3,905.6	17.1	10.4	13.78	-752.5	-463.9	106.0	78.4	27.56	3.844			
4,100.0	3,990.3	4,093.2	3,991.8	17.6	10.6	-3.25	-763.3	-438.7	71.6	42.6	29.01	2.469 Caution - Monitor Closely			
4,200.0	4,086.3	4,183.6	4,077.9	18.1	10.8	-37.24	-774.2	-413.4	51.6	23.9	27.72	1.862 Caution - Monitor Closely, ES, SF			
4,217.9	4,103.5	4,199.8	4,093.4	18.2	10.9	-44.94	-776.1	-408.9	51.0	24.2	26.79	1.905 Caution - Monitor Closely, CC			
4,300.0	4,182.3	4,274.1	4,164.1	18.6	11.1	-76.75	-785.0	-388.1	61.9	38.8	23.09	2.680 Normal Operations			
4,400.0	4,278.3	4,364.6	4,250.3	19.1	11.3	-98.93	-795.9	-362.9	92.9	69.7	23.20	4.003			
4,500.0	4,374.3	4,455.0	4,336.5	19.5	11.5	-109.80	-806.7	-337.6	130.6	106.1	24.47	5.337			
4,600.0	4,470.4	4,545.5	4,422.7	20.0	11.8	-115.83	-817.6	-312.4	170.6	145.0	25.63	6.658			
4,700.0	4,566.4	4,636.0	4,508.9	20.5	12.0	-119.59	-828.4	-287.1	211.7	185.1	26.63	7.949			
4,800.0	4,662.4	4,726.4	4,595.1	21.0	12.2	-122.13	-839.2	-261.9	253.3	225.7	27.52	9.202			
4,900.0	4,758.4	4,816.9	4,681.3	21.5	12.5	-123.96	-850.1	-236.6	295.1	266.8	28.35	10.412			
5,000.0	4,854.5	4,907.4	4,767.5	22.0	12.7	-125.33	-860.9	-211.3	337.2	308.1	29.12	11.579			
5,100.0	4,950.5	4,997.8	4,853.6	22.5	12.9	-126.41	-871.8	-186.1	379.4	349.5	29.86	12.703			
5,200.0	5,046.5	5,088.3	4,939.8	23.0	13.2	-127.26	-882.6	-160.8	421.6	391.0	30.58	13.787			
5,300.0	5,142.5	5,178.8	5,026.0	23.5	13.4	-127.97	-893.5	-135.6	464.0	432.7	31.28	14.830			
5,400.0	5,238.6	5,269.2	5,112.2	24.0	13.6	-128.55	-904.3	-110.3	506.3	474.4	31.97	15.836			
5,500.0	5,334.6	5,359.7	5,198.4	24.5	13.9	-129.05	-915.2	-85.1	548.7	516.1	32.65	16.804			
5,600.0	5,430.6	5,450.2	5,284.6	25.0	14.1	-129.47	-926.0	-59.8	591.2	557.9	33.33	17.739			
5,700.0	5,526.6	5,540.6	5,370.8	25.5	14.4	-129.84	-936.9	-34.5	633.7	599.7	33.99	18.640			
5,800.0	5,622.7	5,631.1	5,457.0	26.0	14.6	-130.16	-947.7	-9.3	676.1	641.5	34.66	19.509			
5,900.0	5,718.7	5,721.5	5,543.2	26.5	14.8	-130.44	-958.5	16.0	718.6	683.3	35.32	20.349			
6,000.0	5,814.7	5,812.0	5,629.3	27.0	15.1	-130.69	-969.4	41.2	761.2	725.2	35.97	21.159			
6,100.0	5,910.7	5,902.5	5,715.5	27.5	15.3	-130.92	-980.2	66.5	803.7	767.1	36.63	21.943			
6,200.0	6,006.8	5,992.9	5,801.7	28.0	15.6	-131.12	-991.1	91.7	846.2	808.9	37.28	22.700			
6,300.0	6,102.8	6,083.4	5,887.9	28.5	15.8	-131.30	-1,001.9	117.0	888.8	850.8	37.93	23.433			
6,400.0	6,198.8	6,173.9	5,974.1	29.0	16.0	-131.47	-1,012.8	142.3	931.3	892.7	38.58	24.141			
6,500.0	6,294.8	6,264.3	6,060.3	29.5	16.3	-131.62	-1,023.6	167.5	973.9	934.6	39.22	24.827			
6,557.9	6,350.5	6,316.7	6,110.2	29.8	16.4	-131.70	-1,029.9	182.2	998.5	958.9	39.59	25.221			

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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: PUDGE FED COM PROJECT - _PUDGE FEDERAL COM 501H - OWB - PWPO														Offset Site Error:	0.0 usft		
Survey Program: 0-r.5 MWD+IFR1														Rule Assigned:		Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning				
		Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)							
2,300.0	2,261.8	2,320.8	2,324.2	9.1	8.1	43.18	-580.2	-1,093.4	993.0	978.3	14.73	67.405					
2,400.0	2,357.8	2,417.1	2,419.1	9.6	8.4	43.41	-592.2	-1,083.1	966.1	950.8	15.30	63.158					
2,500.0	2,453.9	2,513.3	2,514.0	10.0	8.8	43.66	-604.1	-1,072.8	939.2	923.3	15.87	59.189					
2,600.0	2,549.9	2,609.5	2,608.9	10.5	9.2	43.93	-616.1	-1,062.5	912.2	895.8	16.44	55.476					
2,700.0	2,645.9	2,705.7	2,703.8	10.9	9.6	44.21	-628.1	-1,052.2	885.3	868.3	17.03	52.001					
2,800.0	2,741.9	2,802.0	2,798.7	11.4	10.0	44.51	-640.1	-1,041.8	858.5	840.9	17.61	48.744					
2,900.0	2,838.0	2,898.2	2,893.7	11.8	10.4	44.82	-652.1	-1,031.5	831.6	813.4	18.20	45.689					
3,000.0	2,934.0	2,994.4	2,988.6	12.3	10.8	45.16	-664.1	-1,021.2	804.8	786.0	18.79	42.820					
3,100.0	3,030.0	3,090.6	3,083.5	12.8	11.2	45.52	-676.0	-1,010.9	778.0	758.6	19.39	40.122					
3,200.0	3,126.0	3,186.8	3,178.4	13.3	11.6	45.91	-688.0	-1,000.6	751.2	731.2	19.99	37.583					
3,300.0	3,222.1	3,283.1	3,273.3	13.7	12.0	46.32	-700.0	-990.2	724.5	703.9	20.59	35.191					
3,400.0	3,318.1	3,379.3	3,368.2	14.2	12.4	46.77	-712.0	-979.9	697.8	676.6	21.19	32.933					
3,500.0	3,414.1	3,475.5	3,463.1	14.7	12.8	47.25	-724.0	-969.6	671.1	649.4	21.79	30.801					
3,600.0	3,510.1	3,571.7	3,558.1	15.2	13.2	47.78	-736.0	-959.3	644.5	622.1	22.39	28.785					
3,700.0	3,606.2	3,668.0	3,653.0	15.6	13.6	48.34	-747.9	-949.0	618.0	595.0	22.99	26.877					
3,800.0	3,702.2	3,764.2	3,747.9	16.1	14.0	48.96	-759.9	-938.7	591.5	567.9	23.59	25.070					
3,900.0	3,798.2	3,860.4	3,842.8	16.6	14.4	49.64	-771.9	-928.3	565.1	540.9	24.20	23.355					
4,000.0	3,894.2	3,956.6	3,937.7	17.1	14.9	50.38	-783.9	-918.0	538.7	513.9	24.80	21.727					
4,100.0	3,990.3	4,052.8	4,032.6	17.6	15.3	51.19	-795.9	-907.7	512.5	487.1	25.40	20.181					
4,200.0	4,086.3	4,149.1	4,127.5	18.1	15.7	52.10	-807.8	-897.4	486.4	460.4	25.99	18.711					
4,300.0	4,182.3	4,245.3	4,222.4	18.6	16.1	53.10	-819.8	-887.1	460.4	433.8	26.59	17.312					
4,400.0	4,278.3	4,341.5	4,317.4	19.1	16.5	54.23	-831.8	-876.7	434.5	407.3	27.19	15.980					
4,500.0	4,374.3	4,437.7	4,412.3	19.5	16.9	55.49	-843.8	-866.4	408.8	381.0	27.79	14.712					
4,600.0	4,470.4	4,534.0	4,507.2	20.0	17.4	56.93	-855.8	-856.1	383.3	354.9	28.39	13.503					
4,700.0	4,566.4	4,630.2	4,602.1	20.5	17.8	58.56	-867.8	-845.8	358.1	329.1	28.99	12.352					
4,800.0	4,662.4	4,726.4	4,697.0	21.0	18.2	60.44	-879.7	-835.5	333.2	303.6	29.61	11.255					
4,900.0	4,758.4	4,822.6	4,791.9	21.5	18.6	62.61	-891.7	-825.1	308.7	278.5	30.24	10.211					
5,000.0	4,854.5	4,918.8	4,886.8	22.0	19.1	65.14	-903.7	-814.8	284.7	253.8	30.89	9.218					
5,100.0	4,950.5	5,015.1	4,981.8	22.5	19.5	68.13	-915.7	-804.5	261.3	229.8	31.58	8.275					
5,200.0	5,046.5	5,111.3	5,076.7	23.0	19.9	71.67	-927.7	-794.2	238.8	206.4	32.34	7.383					
5,300.0	5,142.5	5,207.5	5,171.6	23.5	20.3	75.92	-939.6	-783.9	217.3	184.1	33.20	6.545					
5,400.0	5,238.6	5,303.7	5,266.5	24.0	20.7	81.03	-951.6	-773.6	197.2	163.0	34.21	5.765					
5,500.0	5,334.6	5,400.0	5,361.4	24.5	21.2	87.19	-963.6	-763.2	179.1	143.7	35.44	5.053					
5,600.0	5,430.6	5,496.2	5,456.3	25.0	21.6	94.56	-975.6	-752.9	163.5	126.5	36.95	4.425					
5,700.0	5,526.6	5,592.4	5,551.2	25.5	22.0	103.22	-987.6	-742.6	151.2	112.4	38.75	3.902					
5,800.0	5,622.7	5,688.6	5,646.2	26.0	22.4	113.04	-999.6	-732.3	143.1	102.3	40.75	3.511					
5,900.0	5,718.7	5,784.8	5,741.1	26.5	22.9	123.60	-1,011.5	-722.0	139.9	97.1	42.74	3.273					
5,910.8	5,729.1	5,795.2	5,751.3	26.5	22.9	124.76	-1,012.8	-720.8	139.9	96.9	42.95	3.257 CC, ES					
6,000.0	5,814.7	5,881.1	5,836.0	27.0	23.3	134.25	-1,023.5	-711.6	142.0	97.5	44.45	3.193 SF					
6,100.0	5,910.7	5,977.3	5,930.9	27.5	23.7	144.28	-1,035.5	-701.3	149.0	103.3	45.72	3.260					
6,200.0	6,006.8	6,073.5	6,025.8	28.0	24.2	153.21	-1,047.5	-691.0	160.5	113.9	46.57	3.447					
6,300.0	6,102.8	6,168.9	6,119.9	28.5	24.6	160.75	-1,059.2	-680.9	175.6	128.5	47.08	3.729					
6,400.0	6,198.8	6,263.4	6,213.4	29.0	25.0	166.69	-1,069.9	-671.7	194.1	146.6	47.43	4.092					
6,500.0	6,294.8	6,358.1	6,307.3	29.5	25.4	171.23	-1,079.3	-663.6	215.1	167.3	47.76	4.503					
6,557.9	6,350.5	6,413.0	6,361.8	29.8	25.6	173.33	-1,084.3	-659.3	228.1	180.1	47.96	4.756					
6,600.0	6,390.9	6,453.0	6,401.5	30.0	25.8	174.64	-1,087.7	-656.4	237.7	189.6	48.11	4.941					
6,700.0	6,487.4	6,548.2	6,496.2	30.5	26.1	177.13	-1,094.8	-650.3	260.2	211.7	48.53	5.362					
6,800.0	6,584.3	6,643.8	6,591.5	30.9	26.5	178.91	-1,100.8	-645.1	282.0	233.0	49.00	5.755					
6,900.0	6,681.6	6,739.7	6,687.3	31.4	26.9	-179.86	-1,105.6	-641.0	302.8	253.3	49.50	6.117					
7,000.0	6,779.3	6,836.0	6,783.4	31.9	27.2	-179.06	-1,109.2	-637.9	322.6	272.5	50.04	6.446					
7,100.0	6,877.3	6,932.5	6,879.8	32.4	27.5	-178.61	-1,111.5	-635.9	341.2	290.6	50.59	6.743					

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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: PUDGE FED COM PROJECT - _PUDGE FEDERAL COM 501H - OWB - PWPO														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)				
7,200.0	6,975.7	7,029.2	6,976.5	32.8	27.7	-178.45	-1,112.7	-634.9	358.6	307.4	51.16	7.009		
7,300.0	7,074.4	7,127.1	7,074.4	33.3	27.8	-178.50	-1,112.8	-634.8	374.6	322.1	52.54	7.131		
7,400.0	7,173.4	7,226.0	7,173.4	33.7	27.8	-178.56	-1,112.8	-634.8	389.1	335.9	53.16	7.318		
7,500.0	7,272.6	7,325.2	7,272.6	34.1	27.8	-178.61	-1,112.8	-634.8	401.7	348.0	53.77	7.471		
7,600.0	7,372.0	7,424.6	7,372.0	34.5	27.8	-178.64	-1,112.8	-634.8	412.7	358.3	54.37	7.591		
7,700.0	7,471.5	7,524.2	7,471.5	34.9	27.8	-178.68	-1,112.8	-634.8	421.9	367.0	54.94	7.680		
7,800.0	7,571.3	7,623.9	7,571.3	35.3	27.8	-178.70	-1,112.8	-634.8	429.4	373.9	55.48	7.739		
7,900.0	7,671.1	7,723.8	7,671.1	35.7	27.9	-178.72	-1,112.8	-634.8	435.1	379.1	56.00	7.770		
8,000.0	7,771.0	7,823.7	7,771.0	36.0	27.9	-178.73	-1,112.8	-634.8	439.1	382.6	56.48	7.775		
8,100.0	7,871.0	7,923.7	7,871.0	36.3	27.9	-178.74	-1,112.8	-634.8	441.4	384.5	56.90	7.757		
8,179.0	7,950.0	8,004.1	7,951.5	36.4	27.9	31.40	-1,112.8	-634.8	441.9	384.8	57.17	7.730		
8,186.5	7,957.5	8,018.7	7,966.0	36.4	27.9	31.43	-1,113.2	-634.7	441.7	384.3	57.40	7.695		
8,200.0	7,971.0	8,068.5	8,015.6	36.4	28.1	32.31	-1,117.5	-634.4	440.2	381.9	58.35	7.545		
8,225.0	7,995.9	8,174.8	8,118.4	36.4	28.5	35.33	-1,143.5	-632.1	433.8	374.5	59.32	7.313		
8,250.0	8,020.8	8,248.9	8,185.4	36.4	28.8	39.90	-1,174.9	-629.5	423.4	364.6	58.76	7.205		
8,275.0	8,045.5	8,294.0	8,223.4	36.4	29.0	44.58	-1,199.0	-627.4	410.1	351.8	58.24	7.041		
8,300.0	8,069.9	8,350.5	8,267.8	36.4	29.2	52.29	-1,233.9	-624.4	394.9	338.2	56.80	6.954		
8,325.0	8,094.0	8,382.8	8,291.1	36.4	29.4	58.98	-1,256.1	-622.5	378.8	322.6	56.15	6.746		
8,350.0	8,117.8	8,406.3	8,307.1	36.4	29.5	65.34	-1,273.3	-621.0	362.2	306.1	56.05	6.462		
8,375.0	8,141.1	8,423.1	8,318.0	36.4	29.5	71.05	-1,286.0	-619.9	345.6	288.6	57.07	6.056		
8,400.0	8,163.9	8,434.8	8,325.3	36.4	29.6	75.92	-1,295.0	-619.2	329.5	268.3	61.23	5.381		
8,425.0	8,186.2	8,442.4	8,330.0	36.4	29.6	79.91	-1,301.1	-618.6	314.1	245.3	68.72	4.570		
8,450.0	8,207.8	8,447.0	8,332.7	36.4	29.6	83.04	-1,304.8	-618.3	299.7	237.3	62.40	4.803		
8,475.0	8,228.7	8,449.2	8,334.0	36.4	29.6	85.37	-1,306.5	-618.2	286.6	229.4	57.18	5.012		
8,500.0	8,248.9	8,449.4	8,334.1	36.4	29.6	86.97	-1,306.6	-618.2	275.0	220.3	54.68	5.030		
8,525.0	8,268.3	8,448.0	8,333.3	36.4	29.6	87.92	-1,305.5	-618.3	265.3	212.1	53.11	4.994		
8,550.0	8,286.9	8,445.2	8,331.7	36.4	29.6	88.27	-1,303.3	-618.4	257.5	205.6	51.87	4.964		
8,575.0	8,304.5	8,441.4	8,329.4	36.4	29.6	88.09	-1,300.3	-618.7	251.9	201.1	50.78	4.961		
8,600.0	8,321.2	8,436.7	8,326.5	36.4	29.6	87.42	-1,296.6	-619.0	248.6	198.8	49.78	4.994		
8,623.0	8,335.7	8,431.7	8,323.4	36.4	29.6	86.40	-1,292.6	-619.4	247.6	198.7	48.96	5.057		
8,625.0	8,336.9	8,431.2	8,323.1	36.4	29.6	86.30	-1,292.3	-619.4	247.6	198.7	48.90	5.064		
8,650.0	8,351.5	8,425.0	8,319.2	36.4	29.5	84.75	-1,287.4	-619.8	248.9	200.8	48.15	5.170		
8,675.0	8,365.1	8,418.4	8,315.0	36.4	29.5	82.87	-1,282.4	-620.2	252.4	204.8	47.60	5.303		
8,700.0	8,377.6	8,411.2	8,310.3	36.4	29.5	80.65	-1,276.9	-620.7	258.0	210.7	47.25	5.459		
8,725.0	8,388.9	8,403.6	8,305.3	36.4	29.5	78.13	-1,271.2	-621.2	265.3	218.2	47.11	5.631		
8,750.0	8,399.0	8,395.6	8,299.9	36.4	29.4	75.39	-1,265.4	-621.7	274.1	227.0	47.16	5.814		
8,775.0	8,407.9	8,387.3	8,294.2	36.5	29.4	72.45	-1,259.3	-622.2	284.4	237.0	47.37	6.003		
8,800.0	8,415.6	8,378.7	8,288.2	36.5	29.4	69.39	-1,253.2	-622.7	295.7	247.9	47.72	6.196		
8,825.0	8,422.0	8,369.9	8,281.9	36.5	29.3	66.26	-1,247.0	-623.3	307.9	259.7	48.17	6.392		
8,850.0	8,427.1	8,360.8	8,275.4	36.5	29.3	63.10	-1,240.8	-623.8	320.8	272.1	48.68	6.588		
8,875.0	8,431.0	8,350.0	8,267.4	36.5	29.2	59.73	-1,233.5	-624.4	334.2	285.0	49.15	6.798		
8,900.0	8,433.6	8,342.1	8,261.4	36.5	29.2	56.91	-1,228.3	-624.9	347.9	298.1	49.84	6.981		
8,925.0	8,434.8	8,332.5	8,254.1	36.5	29.2	53.95	-1,222.2	-625.4	362.0	311.5	50.44	7.176		
8,936.1	8,435.0	8,325.0	8,248.3	36.5	29.1	52.30	-1,217.4	-625.8	368.3	317.7	50.54	7.287		
9,000.0	8,435.0	8,300.0	8,228.4	36.5	29.0	49.31	-1,202.4	-627.1	406.7	354.8	51.95	7.829		
9,100.0	8,435.1	8,275.0	8,207.7	36.5	28.9	46.46	-1,188.4	-628.3	474.5	420.4	54.16	8.761		
9,200.0	8,435.2	8,250.0	8,186.4	36.6	28.8	43.77	-1,175.4	-629.4	549.5	493.9	55.59	9.884		
9,300.0	8,435.3	8,225.0	8,164.3	36.6	28.7	41.23	-1,163.7	-630.4	629.5	573.0	56.50	11.143		
9,400.0	8,435.4	8,207.5	8,148.6	36.6	28.6	39.56	-1,156.1	-631.1	713.3	656.2	57.19	12.473		
9,500.0	8,435.5	8,191.7	8,134.1	36.7	28.6	38.12	-1,149.8	-631.6	800.0	742.4	57.66	13.875		
9,600.0	8,435.6	8,175.0	8,118.6	36.8	28.5	36.67	-1,143.6	-632.1	888.9	830.9	57.95	15.339		

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
9,700.0	8,435.7	8,166.3	8,110.4	36.8	28.5	35.94	-1,140.6	-632.4	979.4	921.2	58.22	16.823	

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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: PUDGE FED COM PROJECT - _PUDGE FEDERAL COM 701H - OWB - PWPO														Offset Site Error:	0.0 usft		
Survey Program: 0-r.5 MWD+IFR1														Rule Assigned:		Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning				
		Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)							
2,100.0	2,069.8	2,310.0	2,297.0	8.3	8.5	21.40	-845.1	-858.4	991.5	975.7	15.80	62.749					
2,200.0	2,165.8	2,397.6	2,380.6	8.7	8.9	20.86	-845.1	-832.4	943.9	927.4	16.50	57.200					
2,300.0	2,261.8	2,485.1	2,464.2	9.1	9.3	20.27	-845.1	-806.5	896.4	879.2	17.22	52.067					
2,400.0	2,357.8	2,572.7	2,547.9	9.6	9.7	19.60	-845.1	-780.6	848.9	831.0	17.94	47.318					
2,500.0	2,453.9	2,660.3	2,631.5	10.0	10.1	18.87	-845.1	-754.6	801.5	782.9	18.67	42.922					
2,600.0	2,549.9	2,747.8	2,715.1	10.5	10.5	18.04	-845.1	-728.7	754.3	734.9	19.41	38.850					
2,700.0	2,645.9	2,835.4	2,798.8	10.9	10.8	17.10	-845.1	-702.7	707.2	687.0	20.16	35.075					
2,800.0	2,741.9	2,923.0	2,882.4	11.4	11.2	16.03	-845.1	-676.8	660.2	639.3	20.91	31.572					
2,900.0	2,838.0	3,010.5	2,966.0	11.8	11.7	14.79	-845.1	-650.9	613.5	591.8	21.66	28.319					
3,000.0	2,934.0	3,098.1	3,049.7	12.3	12.1	13.37	-845.1	-624.9	567.0	544.6	22.41	25.297					
3,100.0	3,030.0	3,185.6	3,133.3	12.8	12.5	11.69	-845.1	-599.0	520.9	497.7	23.16	22.491					
3,200.0	3,126.0	3,273.2	3,216.9	13.3	12.9	9.70	-845.1	-573.1	475.2	451.3	23.90	19.885					
3,300.0	3,222.1	3,360.8	3,300.6	13.7	13.3	7.30	-845.1	-547.1	430.0	405.4	24.61	17.471					
3,400.0	3,318.1	3,448.3	3,384.2	14.2	13.7	4.38	-845.1	-521.2	385.7	360.4	25.30	15.242					
3,500.0	3,414.1	3,535.9	3,467.8	14.7	14.1	0.74	-845.1	-495.2	342.4	316.4	25.94	13.197					
3,600.0	3,510.1	3,623.5	3,551.5	15.2	14.6	-3.85	-845.1	-469.3	300.6	274.1	26.51	11.341					
3,700.0	3,606.2	3,711.0	3,635.1	15.6	15.0	-9.74	-845.1	-443.4	261.1	234.1	26.94	9.691					
3,800.0	3,702.2	3,798.6	3,718.7	16.1	15.4	-17.38	-845.1	-417.4	225.0	197.8	27.17	8.281					
3,900.0	3,798.2	3,886.1	3,802.4	16.6	15.8	-27.27	-845.1	-391.5	194.3	167.2	27.14	7.161					
4,000.0	3,894.2	3,973.7	3,886.0	17.1	16.2	-39.67	-845.1	-365.6	171.9	145.1	26.87	6.398					
4,100.0	3,990.3	4,061.3	3,969.6	17.6	16.7	-54.09	-845.1	-339.6	161.3	134.6	26.75	6.031					
4,125.8	4,015.0	4,083.8	3,991.2	17.7	16.8	-57.97	-845.1	-332.9	160.8	134.0	26.82	5.998	CC, ES, SF				
4,200.0	4,086.3	4,148.8	4,053.3	18.1	17.1	-69.01	-845.1	-313.7	164.8	137.5	27.32	6.031					
4,300.0	4,182.3	4,236.4	4,136.9	18.6	17.5	-82.58	-845.1	-287.8	181.5	152.9	28.63	6.341					
4,400.0	4,278.3	4,324.0	4,220.5	19.1	18.0	-93.76	-845.1	-261.8	208.4	178.1	30.21	6.897					
4,500.0	4,374.3	4,411.5	4,304.2	19.5	18.4	-102.50	-845.1	-235.9	241.9	210.2	31.73	7.625					
4,600.0	4,470.4	4,499.1	4,387.8	20.0	18.8	-109.24	-845.1	-209.9	279.9	246.8	33.10	8.454					
4,700.0	4,566.4	4,586.7	4,471.4	20.5	19.3	-114.45	-845.1	-184.0	320.6	286.3	34.34	9.336					
4,800.0	4,662.4	4,674.2	4,555.1	21.0	19.7	-118.54	-845.1	-158.1	363.2	327.7	35.47	10.238					
4,900.0	4,758.4	4,761.8	4,638.7	21.5	20.1	-121.81	-845.1	-132.1	407.1	370.5	36.53	11.143					
5,000.0	4,854.5	4,849.3	4,722.3	22.0	20.6	-124.46	-845.1	-106.2	451.8	414.3	37.54	12.037					
5,100.0	4,950.5	4,936.9	4,806.0	22.5	21.0	-126.64	-845.1	-80.3	497.3	458.8	38.51	12.914					
5,200.0	5,046.5	5,024.5	4,889.6	23.0	21.4	-128.47	-845.1	-54.3	543.2	503.7	39.45	13.770					
5,300.0	5,142.5	5,112.0	4,973.2	23.5	21.9	-130.02	-845.1	-28.4	589.5	549.1	40.37	14.603					
5,400.0	5,238.6	5,199.6	5,056.9	24.0	22.3	-131.35	-845.1	-2.4	636.1	594.8	41.27	15.412					
5,500.0	5,334.6	5,287.2	5,140.5	24.5	22.7	-132.50	-845.1	23.5	682.9	640.8	42.17	16.195					
5,600.0	5,430.6	5,374.7	5,224.1	25.0	23.2	-133.50	-845.1	49.4	730.0	686.9	43.05	16.954					
5,700.0	5,526.6	5,462.3	5,307.8	25.5	23.6	-134.39	-845.1	75.4	777.1	733.2	43.93	17.689					
5,800.0	5,622.7	5,549.8	5,391.4	26.0	24.1	-135.17	-845.1	101.3	824.5	779.6	44.81	18.399					
5,900.0	5,718.7	5,637.4	5,475.0	26.5	24.5	-135.87	-845.1	127.2	871.9	826.2	45.68	19.087					
6,000.0	5,814.7	5,725.0	5,558.7	27.0	24.9	-136.50	-845.1	153.2	919.4	872.8	46.55	19.752					
6,100.0	5,910.7	5,812.5	5,642.3	27.5	25.4	-137.06	-845.1	179.1	967.0	919.6	47.41	20.396					

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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: PUDGE FED COM PROJECT - _PUDGE FEDERAL COM 702H - OWB - PWPO														Offset Site Error:	0.0 usft		
Survey Program: 0-r.5 MWD+IFR1														Rule Assigned:		Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning				
2,400.0	2,357.8	2,465.8	2,466.4	9.6	8.7	22.39	-911.3	-937.5	995.7	979.1	16.56	60.133					
2,500.0	2,453.9	2,558.8	2,557.8	10.0	9.0	22.12	-916.0	-920.8	959.3	942.0	17.24	55.659					
2,600.0	2,549.9	2,651.9	2,649.2	10.5	9.4	21.82	-920.8	-904.1	922.9	905.0	17.92	51.501					
2,700.0	2,645.9	2,744.9	2,740.6	10.9	9.8	21.50	-925.5	-887.4	886.6	868.0	18.61	47.632					
2,800.0	2,741.9	2,838.0	2,832.1	11.4	10.2	21.16	-930.2	-870.7	850.3	830.9	19.31	44.028					
2,900.0	2,838.0	2,931.0	2,923.5	11.8	10.6	20.78	-935.0	-853.9	814.0	794.0	20.02	40.666					
3,000.0	2,934.0	3,024.0	3,014.9	12.3	11.0	20.36	-939.7	-837.2	777.7	757.0	20.73	37.525					
3,100.0	3,030.0	3,117.1	3,106.3	12.8	11.4	19.91	-944.4	-820.5	741.5	720.1	21.44	34.588					
3,200.0	3,126.0	3,210.1	3,197.7	13.3	11.8	19.41	-949.2	-803.8	705.3	683.2	22.16	31.836					
3,300.0	3,222.1	3,303.2	3,289.1	13.7	12.2	18.86	-953.9	-787.0	669.2	646.3	22.88	29.255					
3,400.0	3,318.1	3,396.2	3,380.5	14.2	12.6	18.24	-958.6	-770.3	633.2	609.6	23.60	26.831					
3,500.0	3,414.1	3,489.3	3,471.9	14.7	13.0	17.55	-963.4	-753.6	597.2	572.9	24.32	24.553					
3,600.0	3,510.1	3,582.3	3,563.3	15.2	13.4	16.77	-968.1	-736.9	561.3	536.2	25.05	22.409					
3,700.0	3,606.2	3,675.3	3,654.7	15.6	13.8	15.89	-972.8	-720.2	525.5	499.7	25.77	20.389					
3,800.0	3,702.2	3,768.4	3,746.1	16.1	14.3	14.88	-977.6	-703.4	489.8	463.3	26.50	18.485					
3,900.0	3,798.2	3,861.4	3,837.5	16.6	14.7	13.71	-982.3	-686.7	454.3	427.1	27.22	16.689					
4,000.0	3,894.2	3,954.5	3,928.9	17.1	15.1	12.35	-987.0	-670.0	419.0	391.0	27.94	14.995					
4,100.0	3,990.3	4,047.5	4,020.3	17.6	15.5	10.74	-991.8	-653.3	383.9	355.3	28.65	13.398					
4,200.0	4,086.3	4,140.6	4,111.7	18.1	15.9	8.81	-996.5	-636.5	349.2	319.8	29.36	11.894					
4,300.0	4,182.3	4,233.6	4,203.1	18.6	16.3	6.47	-1,001.3	-619.8	314.8	284.8	30.05	10.479					
4,400.0	4,278.3	4,326.7	4,294.5	19.1	16.8	3.57	-1,006.0	-603.1	281.1	250.4	30.71	9.154					
4,500.0	4,374.3	4,419.7	4,386.0	19.5	17.2	-0.08	-1,010.7	-586.4	248.2	216.9	31.34	7.921					
4,600.0	4,470.4	4,512.7	4,477.4	20.0	17.6	-4.78	-1,015.5	-569.7	216.5	184.6	31.91	6.786					
4,700.0	4,566.4	4,605.8	4,568.8	20.5	18.0	-10.96	-1,020.2	-552.9	186.6	154.3	32.38	5.764					
4,800.0	4,662.4	4,698.8	4,660.2	21.0	18.4	-19.22	-1,024.9	-536.2	159.6	126.9	32.72	4.878					
4,900.0	4,758.4	4,791.9	4,751.6	21.5	18.9	-30.21	-1,029.7	-519.5	137.1	104.2	32.89	4.170					
5,000.0	4,854.5	4,884.9	4,843.0	22.0	19.3	-44.31	-1,034.4	-502.8	121.7	88.8	32.98	3.691					
5,098.4	4,949.0	4,976.5	4,932.9	22.5	19.7	-60.41	-1,039.0	-486.3	116.3	82.9	33.33	3.489 CC					
5,100.0	4,950.5	4,978.0	4,934.4	22.5	19.7	-60.67	-1,039.1	-486.0	116.3	82.9	33.34	3.488 ES, SF					
5,200.0	5,046.5	5,071.0	5,025.8	23.0	20.1	-76.99	-1,043.9	-469.3	122.1	87.8	34.25	3.565					
5,300.0	5,142.5	5,164.0	5,117.2	23.5	20.5	-91.00	-1,048.6	-452.6	137.8	102.2	35.53	3.877					
5,400.0	5,238.6	5,257.1	5,208.6	24.0	21.0	-101.90	-1,053.3	-435.9	160.4	123.6	36.83	4.355					
5,500.0	5,334.6	5,350.1	5,300.0	24.5	21.4	-110.07	-1,058.1	-419.2	187.6	149.5	38.03	4.932					
5,600.0	5,430.6	5,443.2	5,391.4	25.0	21.8	-116.20	-1,062.8	-402.4	217.5	178.4	39.10	5.562					
5,700.0	5,526.6	5,536.2	5,482.8	25.5	22.2	-120.86	-1,067.5	-385.7	249.2	209.2	40.09	6.218					
5,800.0	5,622.7	5,629.3	5,574.2	26.0	22.7	-124.48	-1,072.3	-369.0	282.2	241.2	41.01	6.881					
5,900.0	5,718.7	5,722.3	5,665.6	26.5	23.1	-127.36	-1,077.0	-352.3	315.9	274.0	41.89	7.541					
6,000.0	5,814.7	5,815.3	5,757.0	27.0	23.5	-129.69	-1,081.7	-335.5	350.3	307.5	42.75	8.194					
6,100.0	5,910.7	5,908.4	5,848.4	27.5	23.9	-131.60	-1,086.5	-318.8	385.0	341.4	43.58	8.834					
6,200.0	6,006.8	6,001.4	5,939.9	28.0	24.4	-133.21	-1,091.2	-302.1	420.1	375.7	44.40	9.461					
6,300.0	6,102.8	6,094.5	6,031.3	28.5	24.8	-134.56	-1,095.9	-285.4	455.4	410.2	45.21	10.072					
6,400.0	6,198.8	6,187.5	6,122.7	29.0	25.2	-135.73	-1,100.7	-268.7	490.9	444.9	46.02	10.668					
6,500.0	6,294.8	6,280.6	6,214.1	29.5	25.7	-136.73	-1,105.4	-251.9	526.6	479.8	46.82	11.248					
6,557.9	6,350.5	6,334.5	6,267.0	29.8	25.9	-137.26	-1,108.1	-242.2	547.3	500.1	47.27	11.579					
6,600.0	6,390.9	6,373.7	6,305.5	30.0	26.1	-137.71	-1,110.1	-235.2	562.3	514.7	47.60	11.814					
6,700.0	6,487.4	6,467.2	6,397.4	30.5	26.5	-138.62	-1,114.9	-218.4	597.1	548.7	48.38	12.342					
6,800.0	6,584.3	6,565.2	6,493.7	30.9	27.0	-139.37	-1,119.8	-200.9	630.6	581.3	49.21	12.813					
6,900.0	6,681.6	6,669.5	6,596.5	31.4	27.4	-140.04	-1,124.7	-183.9	661.7	611.5	50.14	13.197					
7,000.0	6,779.3	6,775.2	6,701.0	31.9	27.9	-140.64	-1,129.1	-168.4	690.1	639.1	51.04	13.521					
7,100.0	6,877.3	6,882.2	6,807.0	32.4	28.3	-141.19	-1,132.9	-154.6	715.9	664.0	51.92	13.788					
7,200.0	6,975.7	6,990.2	6,914.3	32.8	28.8	-141.70	-1,136.3	-142.7	738.9	686.2	52.77	14.002					

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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: PUDGE FED COM PROJECT - _PUDGE FEDERAL COM 702H - OWB - PWPO													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1											Rule Assigned:		Offset Well Error:	0.0 usft
Measured Reference	Vertical	Measured	Vertical	Semi Major Axis		Highside	Offset Wellbore Centre		Distance		No-Go	Separation	Warning	
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				Distance (usft)
7,300.0	7,074.4	7,099.2	7,022.8	33.3	29.2	-142.17	-1,139.2	-132.6	759.2	705.6	53.60	14.165		
7,400.0	7,173.4	7,209.1	7,132.4	33.7	29.6	-142.61	-1,141.5	-124.4	776.7	722.3	54.39	14.280		
7,500.0	7,272.6	7,319.8	7,242.8	34.1	30.0	-143.03	-1,143.3	-118.2	791.3	736.2	55.14	14.352		
7,600.0	7,372.0	7,431.0	7,354.0	34.5	30.4	-143.43	-1,144.4	-114.1	803.1	747.2	55.84	14.382		
7,700.0	7,471.5	7,542.6	7,465.6	34.9	30.6	-143.82	-1,145.0	-112.0	812.0	755.6	56.44	14.388		
7,800.0	7,571.3	7,648.3	7,571.3	35.3	30.8	-144.18	-1,145.1	-111.8	818.2	760.3	57.93	14.125		
7,900.0	7,671.1	7,748.1	7,671.1	35.7	30.8	-144.44	-1,145.1	-111.8	822.9	764.6	58.31	14.113		
8,000.0	7,771.0	7,848.1	7,771.0	36.0	30.8	-144.62	-1,145.1	-111.8	826.2	767.5	58.63	14.090		
8,100.0	7,871.0	7,948.0	7,871.0	36.3	30.9	-144.72	-1,145.1	-111.8	828.0	769.1	58.92	14.052		
8,179.0	7,950.0	8,027.0	7,950.0	36.4	30.9	65.40	-1,145.1	-111.8	828.4	771.8	56.67	14.618		
8,186.5	7,957.5	8,034.5	7,957.5	36.4	30.9	65.40	-1,145.1	-111.8	828.4	771.8	56.68	14.617		
8,200.0	7,971.0	8,048.0	7,971.0	36.4	30.9	65.85	-1,145.1	-111.8	828.4	771.7	56.65	14.623		
8,225.0	7,995.9	8,073.0	7,995.9	36.4	30.9	66.00	-1,145.1	-111.8	827.8	771.2	56.59	14.629		
8,250.0	8,020.8	8,097.8	8,020.8	36.4	30.9	66.29	-1,145.1	-111.8	826.7	770.2	56.53	14.625		
8,275.0	8,045.5	8,122.5	8,045.5	36.4	30.9	66.71	-1,145.1	-111.8	825.1	768.6	56.48	14.610		
8,300.0	8,069.9	8,147.0	8,069.9	36.4	30.9	67.27	-1,145.1	-111.8	823.0	766.6	56.43	14.584		
8,325.0	8,094.0	8,171.1	8,094.0	36.4	30.9	67.97	-1,145.1	-111.8	820.5	764.1	56.39	14.549		
8,350.0	8,117.8	8,194.8	8,117.8	36.4	30.9	68.79	-1,145.1	-111.8	817.5	761.1	56.36	14.504		
8,375.0	8,141.1	8,218.2	8,141.1	36.4	30.9	69.73	-1,145.1	-111.8	814.1	757.8	56.33	14.451		
8,400.0	8,163.9	8,241.0	8,163.9	36.4	30.9	70.78	-1,145.1	-111.8	810.4	754.0	56.31	14.391		
8,425.0	8,186.2	8,263.2	8,186.2	36.4	30.9	71.93	-1,145.1	-111.8	806.3	750.0	56.28	14.326		
8,450.0	8,207.8	8,284.9	8,207.8	36.4	30.9	73.18	-1,145.1	-111.8	802.0	745.8	56.25	14.258		
8,475.0	8,228.7	8,305.8	8,228.7	36.4	30.9	74.50	-1,145.1	-111.8	797.6	741.4	56.21	14.188		
8,500.0	8,248.9	8,326.0	8,248.9	36.4	30.9	75.89	-1,145.1	-111.8	793.0	736.8	56.17	14.118		
8,525.0	8,268.3	8,345.4	8,268.3	36.4	30.9	77.31	-1,145.1	-111.8	788.4	732.2	56.11	14.050		
8,550.0	8,286.9	8,363.9	8,286.9	36.4	31.0	78.77	-1,145.1	-111.8	783.8	727.7	56.04	13.985		
8,575.0	8,304.5	8,381.6	8,304.5	36.4	31.0	80.22	-1,145.1	-111.8	779.3	723.3	55.96	13.925		
8,600.0	8,321.2	8,398.2	8,321.2	36.4	31.0	81.66	-1,145.1	-111.8	774.9	719.1	55.86	13.872		
8,625.0	8,336.9	8,413.9	8,336.9	36.4	31.0	83.06	-1,145.1	-111.8	770.9	715.1	55.75	13.827		
8,650.0	8,351.5	8,428.6	8,351.5	36.4	31.0	84.40	-1,145.1	-111.8	767.1	711.5	55.62	13.792		
8,675.0	8,365.1	8,442.2	8,365.1	36.4	31.0	85.65	-1,145.1	-111.8	763.8	708.4	55.48	13.768		
8,700.0	8,377.6	8,454.6	8,377.6	36.4	31.0	86.81	-1,145.1	-111.8	761.0	705.7	55.32	13.756		
8,725.0	8,388.9	8,465.9	8,388.9	36.4	31.0	87.84	-1,145.1	-111.8	758.7	703.6	55.15	13.759		
8,750.0	8,399.0	8,476.0	8,399.0	36.4	31.0	88.74	-1,145.1	-111.8	757.1	702.1	54.96	13.776		
8,775.0	8,407.9	8,484.9	8,407.9	36.5	31.0	89.49	-1,145.1	-111.8	756.1	701.3	54.75	13.810		
8,796.2	8,414.5	8,491.5	8,414.5	36.5	31.0	90.00	-1,145.1	-111.8	755.8	701.3	54.57	13.851		
8,800.0	8,415.6	8,492.6	8,415.6	36.5	31.0	90.08	-1,145.1	-111.8	755.8	701.3	54.54	13.859		
8,825.0	8,422.0	8,499.0	8,422.0	36.5	31.0	90.49	-1,145.1	-111.8	756.3	702.0	54.31	13.926		
8,850.0	8,427.1	8,504.2	8,427.1	36.5	31.0	90.71	-1,145.1	-111.8	757.6	703.5	54.08	14.011		
8,875.0	8,431.0	8,508.0	8,431.0	36.5	31.0	90.75	-1,145.1	-111.8	759.7	705.9	53.84	14.112		
8,900.0	8,433.6	8,510.6	8,433.6	36.5	31.0	90.59	-1,145.1	-111.8	762.6	709.1	53.59	14.230		
8,925.0	8,434.8	8,511.9	8,434.8	36.5	31.0	90.23	-1,145.1	-111.8	766.4	713.0	53.35	14.365		
8,936.1	8,435.0	8,512.0	8,435.0	36.5	31.0	90.01	-1,145.1	-111.8	768.3	715.0	53.24	14.430		
9,000.0	8,435.0	8,512.1	8,435.0	36.5	31.0	90.01	-1,145.1	-111.8	782.3	729.7	52.63	14.865		
9,100.0	8,435.1	8,512.2	8,435.1	36.5	31.0	90.02	-1,145.1	-111.8	813.8	762.1	51.75	15.726		
9,200.0	8,435.2	8,512.2	8,435.2	36.6	31.0	90.03	-1,145.1	-111.8	856.0	804.9	51.02	16.776		
9,300.0	8,435.3	8,512.3	8,435.3	36.6	31.0	90.03	-1,145.1	-111.8	907.2	856.7	50.47	17.975		
9,400.0	8,435.4	8,512.4	8,435.4	36.6	31.0	90.04	-1,145.1	-111.8	966.1	916.0	50.08	19.290		

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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: PUDGE FED COM PROJECT - _PUDGE FEDERAL COM 901H - OWB - PWPO														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)					
1,800.0	1,781.7	2,104.2	2,095.1	7.1	7.9	31.28	-649.2	-879.7	993.4	979.3	14.01	70.909			
1,900.0	1,877.7	2,188.4	2,173.3	7.5	8.3	30.96	-649.8	-848.5	939.6	924.9	14.69	63.967			
2,000.0	1,973.7	2,272.6	2,251.5	7.9	8.6	30.60	-650.5	-817.3	885.8	870.4	15.36	57.668			
2,100.0	2,069.8	2,356.8	2,329.7	8.3	8.9	30.20	-651.1	-786.1	832.1	816.0	16.05	51.852			
2,200.0	2,165.8	2,441.0	2,407.9	8.7	9.3	29.74	-651.7	-755.0	778.3	761.6	16.75	46.467			
2,300.0	2,261.8	2,525.1	2,486.1	9.1	9.7	29.21	-652.3	-723.8	724.7	707.2	17.47	41.482			
2,400.0	2,357.8	2,609.3	2,564.2	9.6	10.0	28.59	-652.9	-692.6	671.1	652.9	18.20	36.867			
2,500.0	2,453.9	2,693.5	2,642.4	10.0	10.4	27.87	-653.5	-661.4	617.5	598.6	18.95	32.590			
2,600.0	2,549.9	2,777.7	2,720.6	10.5	10.8	27.02	-654.2	-630.2	564.0	544.3	19.70	28.626			
2,700.0	2,645.9	2,861.8	2,798.8	10.9	11.2	25.99	-654.8	-599.1	510.7	490.2	20.47	24.946			
2,800.0	2,741.9	2,946.0	2,877.0	11.4	11.6	24.72	-655.4	-567.9	457.5	436.2	21.25	21.530			
2,900.0	2,838.0	3,030.2	2,955.2	11.8	12.0	23.12	-656.0	-536.7	404.5	382.4	22.03	18.358			
3,000.0	2,934.0	3,114.4	3,033.4	12.3	12.4	21.05	-656.6	-505.5	351.8	329.0	22.82	15.413			
3,100.0	3,030.0	3,198.5	3,111.5	12.8	12.8	18.27	-657.2	-474.3	299.5	275.9	23.62	12.684			
3,200.0	3,126.0	3,282.7	3,189.7	13.3	13.2	14.37	-657.8	-443.2	248.0	223.6	24.40	10.165			
3,300.0	3,222.1	3,366.9	3,267.9	13.7	13.6	8.58	-658.5	-412.0	197.9	172.7	25.15	7.868			
3,400.0	3,318.1	3,451.1	3,346.1	14.2	14.0	-0.67	-659.1	-380.8	150.3	124.6	25.76	5.837			
3,500.0	3,414.1	3,535.2	3,424.3	14.7	14.4	-16.46	-659.7	-349.6	109.0	83.1	25.92	4.207			
3,600.0	3,510.1	3,619.4	3,502.5	15.2	14.8	-42.47	-660.3	-318.4	83.7	58.6	25.14	3.329			
3,633.9	3,542.7	3,648.0	3,529.0	15.3	15.0	-53.16	-660.5	-307.9	81.7	56.8	24.89	3.282 CC, ES, SF			
3,700.0	3,606.2	3,703.6	3,580.7	15.6	15.3	-73.33	-660.9	-287.3	89.2	64.0	25.16	3.545			
3,800.0	3,702.2	3,787.8	3,658.8	16.1	15.7	-95.87	-661.5	-256.1	121.3	94.6	26.74	4.538			
3,900.0	3,798.2	3,871.9	3,737.0	16.6	16.1	-109.08	-662.2	-224.9	165.3	137.1	28.24	5.854			
4,000.0	3,894.2	3,956.1	3,815.2	17.1	16.5	-116.97	-662.8	-193.7	213.9	184.5	29.46	7.262			
4,100.0	3,990.3	4,040.3	3,893.4	17.6	16.9	-122.03	-663.4	-162.5	264.6	234.1	30.52	8.671			
4,200.0	4,086.3	4,124.5	3,971.6	18.1	17.4	-125.50	-664.0	-131.4	316.4	284.9	31.49	10.047			
4,300.0	4,182.3	4,208.6	4,049.8	18.6	17.8	-128.02	-664.6	-100.2	368.8	336.4	32.42	11.376			
4,400.0	4,278.3	4,292.8	4,128.0	19.1	18.2	-129.91	-665.2	-69.0	421.6	388.3	33.32	12.654			
4,500.0	4,374.3	4,377.0	4,206.1	19.5	18.6	-131.39	-665.9	-37.8	474.7	440.5	34.20	13.880			
4,600.0	4,470.4	4,461.2	4,284.3	20.0	19.1	-132.58	-666.5	-6.6	528.0	492.9	35.07	15.055			
4,700.0	4,566.4	4,545.3	4,362.5	20.5	19.5	-133.55	-667.1	24.5	581.4	545.4	35.93	16.179			
4,800.0	4,662.4	4,629.5	4,440.7	21.0	19.9	-134.35	-667.7	55.7	634.9	598.1	36.79	17.256			
4,900.0	4,758.4	4,713.7	4,518.9	21.5	20.4	-135.04	-668.3	86.9	688.4	650.8	37.64	18.288			
5,000.0	4,854.5	4,797.9	4,597.1	22.0	20.8	-135.62	-668.9	118.1	742.1	703.6	38.49	19.278			
5,100.0	4,950.5	4,882.1	4,675.3	22.5	21.2	-136.13	-669.5	149.3	795.7	756.4	39.34	20.226			
5,200.0	5,046.5	4,966.2	4,753.4	23.0	21.7	-136.57	-670.2	180.4	849.5	809.3	40.19	21.136			
5,300.0	5,142.5	5,050.4	4,831.6	23.5	22.1	-136.96	-670.8	211.6	903.2	862.2	41.04	22.010			
5,400.0	5,238.6	5,134.6	4,909.8	24.0	22.5	-137.30	-671.4	242.8	957.0	915.1	41.88	22.849			

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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: PUDGE FED COM PROJECT - _PUDGE FEDERAL COM 902H - OWB - PWPO														Offset Site Error:	0.0 usft		
Survey Program: 0-r.5 MWD+IFR1														Rule Assigned:		Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning				
		Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)							
2,200.0	2,165.8	2,360.1	2,366.5	8.7	7.2	36.57	-667.8	-998.9	980.1	965.4	14.70	66.697					
2,300.0	2,261.8	2,450.6	2,454.2	9.1	7.5	36.77	-670.6	-977.0	937.7	922.4	15.31	61.238					
2,400.0	2,357.8	2,541.1	2,542.0	9.6	7.8	37.00	-673.5	-955.1	895.2	879.3	15.95	56.141					
2,500.0	2,453.9	2,631.5	2,629.7	10.0	8.1	37.25	-676.4	-933.2	852.8	836.2	16.60	51.388					
2,600.0	2,549.9	2,722.0	2,717.4	10.5	8.4	37.53	-679.3	-911.3	810.4	793.1	17.26	46.958					
2,700.0	2,645.9	2,812.5	2,805.2	10.9	8.8	37.84	-682.1	-889.3	768.0	750.0	17.93	42.830					
2,800.0	2,741.9	2,903.0	2,892.9	11.4	9.1	38.18	-685.0	-867.4	725.6	707.0	18.61	38.982					
2,900.0	2,838.0	2,993.5	2,980.7	11.8	9.5	38.56	-687.9	-845.5	683.2	663.9	19.30	35.392					
3,000.0	2,934.0	3,084.0	3,068.4	12.3	9.9	39.00	-690.8	-823.6	640.9	620.9	20.00	32.041					
3,100.0	3,030.0	3,174.4	3,156.1	12.8	10.3	39.50	-693.6	-801.6	598.6	577.9	20.71	28.910					
3,200.0	3,126.0	3,264.9	3,243.9	13.3	10.6	40.07	-696.5	-779.7	556.4	534.9	21.41	25.983					
3,300.0	3,222.1	3,355.4	3,331.6	13.7	11.0	40.74	-699.4	-757.8	514.2	492.0	22.12	23.244					
3,400.0	3,318.1	3,445.9	3,419.4	14.2	11.4	41.52	-702.2	-735.9	472.0	449.2	22.83	20.678					
3,500.0	3,414.1	3,536.4	3,507.1	14.7	11.8	42.46	-705.1	-714.0	430.0	406.5	23.53	18.272					
3,600.0	3,510.1	3,626.9	3,594.8	15.2	12.2	43.60	-708.0	-692.0	388.1	363.8	24.23	16.014					
3,700.0	3,606.2	3,717.3	3,682.6	15.6	12.6	45.01	-710.9	-670.1	346.3	321.4	24.92	13.896					
3,800.0	3,702.2	3,807.8	3,770.3	16.1	13.0	46.80	-713.7	-648.2	304.7	279.2	25.59	11.910					
3,900.0	3,798.2	3,898.3	3,858.1	16.6	13.4	49.15	-716.6	-626.3	263.5	237.3	26.23	10.049					
4,000.0	3,894.2	3,988.8	3,945.8	17.1	13.8	52.35	-719.5	-604.3	222.8	196.0	26.81	8.311					
4,100.0	3,990.3	4,079.3	4,033.6	17.6	14.2	56.92	-722.4	-582.4	183.0	155.7	27.30	6.702					
4,200.0	4,086.3	4,169.8	4,121.3	18.1	14.7	63.87	-725.2	-560.5	144.7	117.1	27.61	5.239					
4,300.0	4,182.3	4,260.3	4,209.0	18.6	15.1	75.19	-728.1	-538.6	109.6	82.0	27.61	3.968					
4,400.0	4,278.3	4,350.7	4,296.8	19.1	15.5	94.43	-731.0	-516.7	81.9	54.6	27.30	3.001					
4,496.1	4,370.6	4,437.7	4,381.1	19.5	15.9	121.98	-733.7	-495.6	71.0	43.0	28.02	2.533	Normal Operations, CC				
4,500.0	4,374.3	4,441.2	4,384.5	19.5	15.9	123.19	-733.9	-494.7	71.0	42.9	28.10	2.526	Normal Operations, ES, SF				
4,600.0	4,470.4	4,531.7	4,472.3	20.0	16.3	151.40	-736.7	-472.8	83.6	52.9	30.77	2.718	Normal Operations				
4,700.0	4,566.4	4,622.2	4,560.0	20.5	16.7	169.88	-739.6	-450.9	112.1	79.4	32.76	3.422					
4,800.0	4,662.4	4,712.7	4,647.7	21.0	17.2	-179.25	-742.5	-429.0	147.6	113.6	34.01	4.339					
4,900.0	4,758.4	4,803.2	4,735.5	21.5	17.6	-172.54	-745.3	-407.0	186.0	151.1	34.96	5.321					
5,000.0	4,854.5	4,893.6	4,823.2	22.0	18.0	-168.11	-748.2	-385.1	226.0	190.2	35.81	6.310					
5,100.0	4,950.5	4,984.1	4,911.0	22.5	18.4	-164.99	-751.1	-363.2	266.7	230.1	36.62	7.283					
5,200.0	5,046.5	5,074.6	4,998.7	23.0	18.9	-162.69	-754.0	-341.3	308.0	270.6	37.42	8.231					
5,300.0	5,142.5	5,165.1	5,086.4	23.5	19.3	-160.93	-756.8	-319.3	349.5	311.3	38.20	9.149					
5,400.0	5,238.6	5,255.6	5,174.2	24.0	19.7	-159.54	-759.7	-297.4	391.3	352.3	38.99	10.036					
5,500.0	5,334.6	5,346.1	5,261.9	24.5	20.2	-158.42	-762.6	-275.5	433.3	393.5	39.78	10.891					
5,600.0	5,430.6	5,436.5	5,349.7	25.0	20.6	-157.50	-765.5	-253.6	475.3	434.7	40.57	11.716					
5,700.0	5,526.6	5,527.0	5,437.4	25.5	21.0	-156.72	-768.3	-231.7	517.4	476.1	41.36	12.511					
5,800.0	5,622.7	5,617.5	5,525.2	26.0	21.4	-156.06	-771.2	-209.7	559.6	517.5	42.15	13.277					
5,900.0	5,718.7	5,708.0	5,612.9	26.5	21.9	-155.50	-774.1	-187.8	601.9	559.0	42.95	14.015					
6,000.0	5,814.7	5,798.5	5,700.6	27.0	22.3	-155.01	-777.0	-165.9	644.2	600.5	43.74	14.727					
6,100.0	5,910.7	5,889.0	5,788.4	27.5	22.7	-154.57	-779.8	-144.0	686.5	642.0	44.54	15.413					
6,200.0	6,006.8	5,979.5	5,876.1	28.0	23.2	-154.19	-782.7	-122.0	728.9	683.6	45.34	16.076					
6,300.0	6,102.8	6,069.9	5,963.9	28.5	23.6	-153.85	-785.6	-100.1	771.3	725.1	46.14	16.716					
6,400.0	6,198.8	6,160.4	6,051.6	29.0	24.0	-153.55	-788.5	-78.2	813.7	766.7	46.94	17.333					
6,500.0	6,294.8	6,250.9	6,139.3	29.5	24.5	-153.28	-791.3	-56.3	856.1	808.4	47.75	17.930					
6,557.9	6,350.5	6,303.3	6,190.2	29.8	24.7	-153.13	-793.0	-43.6	880.7	832.5	48.21	18.269					
6,600.0	6,390.9	6,341.4	6,227.1	30.0	24.9	-153.11	-794.2	-34.3	898.4	849.9	48.54	18.511					
6,700.0	6,487.4	6,432.5	6,315.4	30.5	25.4	-153.04	-797.1	-12.3	939.6	890.2	49.33	19.046					
6,800.0	6,584.3	6,524.1	6,404.3	30.9	25.8	-152.93	-800.0	9.9	979.3	929.2	50.13	19.537					

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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: PUDGE FED COM PROJECT - _PUDGE FEDERAL COM 903H - OWB - PWPO														Offset Site Error:	0.0 usft		
Survey Program: 0-r.5 MWD+IFR1														Rule Assigned:		Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning				
		Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)							
2,200.0	2,165.8	2,281.6	2,285.5	8.7	7.8	33.19	-706.5	-985.8	973.1	958.1	14.97	65.013					
2,300.0	2,261.8	2,375.1	2,377.5	9.1	8.1	33.37	-711.2	-970.2	937.5	921.9	15.61	60.043					
2,400.0	2,357.8	2,468.5	2,469.5	9.6	8.5	33.56	-715.9	-954.6	902.0	885.7	16.27	55.432					
2,500.0	2,453.9	2,561.9	2,561.5	10.0	8.9	33.77	-720.6	-938.9	866.4	849.5	16.94	51.151					
2,600.0	2,549.9	2,655.3	2,653.5	10.5	9.3	34.00	-725.3	-923.3	830.9	813.3	17.61	47.173					
2,700.0	2,645.9	2,748.8	2,745.5	10.9	9.7	34.25	-730.0	-907.7	795.4	777.1	18.30	43.472					
2,800.0	2,741.9	2,842.2	2,837.5	11.4	10.0	34.52	-734.7	-892.1	759.9	740.9	18.99	40.025					
2,900.0	2,838.0	2,935.6	2,929.5	11.8	10.4	34.82	-739.4	-876.5	724.4	704.7	19.68	36.809					
3,000.0	2,934.0	3,029.0	3,021.5	12.3	10.8	35.15	-744.1	-860.9	689.0	668.6	20.38	33.806					
3,100.0	3,030.0	3,122.5	3,113.5	12.8	11.2	35.52	-748.8	-845.3	653.5	632.4	21.08	30.996					
3,200.0	3,126.0	3,215.9	3,205.4	13.3	11.6	35.93	-753.5	-829.7	618.1	596.3	21.79	28.364					
3,300.0	3,222.1	3,309.3	3,297.4	13.7	12.0	36.38	-758.2	-814.1	582.7	560.2	22.50	25.896					
3,400.0	3,318.1	3,402.7	3,389.4	14.2	12.4	36.90	-762.9	-798.5	547.4	524.2	23.22	23.578					
3,500.0	3,414.1	3,496.2	3,481.4	14.7	12.8	37.49	-767.7	-782.8	512.1	488.2	23.93	21.398					
3,600.0	3,510.1	3,589.6	3,573.4	15.2	13.2	38.16	-772.4	-767.2	476.8	452.2	24.65	19.346					
3,700.0	3,606.2	3,683.0	3,665.4	15.6	13.6	38.94	-777.1	-751.6	441.7	416.3	25.37	17.412					
3,800.0	3,702.2	3,776.4	3,757.4	16.1	14.1	39.85	-781.8	-736.0	406.6	380.5	26.08	15.588					
3,900.0	3,798.2	3,869.8	3,849.4	16.6	14.5	40.94	-786.5	-720.4	371.6	344.8	26.80	13.867					
4,000.0	3,894.2	3,963.3	3,941.4	17.1	14.9	42.25	-791.2	-704.8	336.7	309.2	27.51	12.241					
4,100.0	3,990.3	4,056.7	4,033.4	17.6	15.3	43.86	-795.9	-689.2	302.1	273.9	28.21	10.707					
4,200.0	4,086.3	4,150.1	4,125.3	18.1	15.7	45.88	-800.6	-673.6	267.7	238.8	28.91	9.261					
4,300.0	4,182.3	4,243.5	4,217.3	18.6	16.1	48.48	-805.3	-658.0	233.7	204.1	29.58	7.900					
4,400.0	4,278.3	4,337.0	4,309.3	19.1	16.5	51.94	-810.0	-642.3	200.3	170.0	30.23	6.625					
4,500.0	4,374.3	4,430.4	4,401.3	19.5	16.9	56.74	-814.7	-626.7	167.8	137.0	30.82	5.444					
4,600.0	4,470.4	4,523.8	4,493.3	20.0	17.4	63.68	-819.4	-611.1	136.9	105.6	31.31	4.371					
4,700.0	4,566.4	4,617.2	4,585.3	20.5	17.8	74.21	-824.1	-595.5	108.9	77.3	31.63	3.443					
4,800.0	4,662.4	4,710.7	4,677.3	21.0	18.2	90.45	-828.8	-579.9	86.8	55.0	31.72	2.735	Normal Operations				
4,900.0	4,758.4	4,804.1	4,769.3	21.5	18.6	113.32	-833.5	-564.3	75.8	43.8	31.95	2.371	Caution - Monitor Closely				
4,920.2	4,777.9	4,823.0	4,787.9	21.6	18.7	118.43	-834.5	-561.1	75.4	43.3	32.10	2.349	Caution - Monitor Closely, CC, ES, SF				
5,000.0	4,854.5	4,897.5	4,861.3	22.0	19.0	137.84	-838.2	-548.7	80.6	47.5	33.07	2.437	Caution - Monitor Closely				
5,100.0	4,950.5	4,990.9	4,953.3	22.5	19.4	156.89	-842.9	-533.1	99.0	64.4	34.58	2.863	Normal Operations				
5,200.0	5,046.5	5,084.4	5,045.3	23.0	19.9	169.46	-847.6	-517.5	125.1	89.2	35.85	3.489					
5,300.0	5,142.5	5,177.8	5,137.2	23.5	20.3	177.64	-852.4	-501.8	155.0	118.1	36.90	4.201					
5,400.0	5,238.6	5,271.2	5,229.2	24.0	20.7	-176.83	-857.1	-486.2	187.0	149.2	37.82	4.944					
5,500.0	5,334.6	5,364.6	5,321.2	24.5	21.1	-172.89	-861.8	-470.6	220.1	181.4	38.67	5.691					
5,600.0	5,430.6	5,458.1	5,413.2	25.0	21.5	-169.98	-866.5	-455.0	253.9	214.4	39.49	6.429					
5,700.0	5,526.6	5,551.5	5,505.2	25.5	21.9	-167.75	-871.2	-439.4	288.1	247.8	40.29	7.151					
5,800.0	5,622.7	5,644.9	5,597.2	26.0	22.4	-166.00	-875.9	-423.8	322.7	281.6	41.08	7.856					
5,900.0	5,718.7	5,738.3	5,689.2	26.5	22.8	-164.58	-880.6	-408.2	357.5	315.6	41.85	8.541					
6,000.0	5,814.7	5,831.8	5,781.2	27.0	23.2	-163.41	-885.3	-392.6	392.4	349.8	42.63	9.205					
6,100.0	5,910.7	5,925.2	5,873.2	27.5	23.6	-162.43	-890.0	-377.0	427.4	384.0	43.40	9.849					
6,200.0	6,006.8	6,018.6	5,965.2	28.0	24.1	-161.60	-894.7	-361.3	462.6	418.4	44.17	10.473					
6,300.0	6,102.8	6,112.0	6,057.2	28.5	24.5	-160.88	-899.4	-345.7	497.8	452.9	44.94	11.078					
6,400.0	6,198.8	6,205.5	6,149.1	29.0	24.9	-160.26	-904.1	-330.1	533.1	487.4	45.70	11.664					
6,500.0	6,294.8	6,298.9	6,241.1	29.5	25.3	-159.72	-908.8	-314.5	568.4	521.9	46.47	12.232					
6,557.9	6,350.5	6,353.0	6,294.4	29.8	25.6	-159.44	-911.5	-305.5	588.9	542.0	46.91	12.555					
6,600.0	6,390.9	6,392.4	6,333.2	30.0	25.7	-159.29	-913.5	-298.9	603.7	556.4	47.22	12.784					
6,700.0	6,487.4	6,486.3	6,425.6	30.5	26.2	-158.94	-918.3	-283.2	637.6	589.7	47.98	13.290					
6,800.0	6,584.3	6,580.7	6,518.6	30.9	26.6	-158.57	-923.0	-267.4	670.1	621.4	48.74	13.751					
6,900.0	6,681.6	6,675.6	6,612.1	31.4	27.0	-158.19	-927.8	-251.6	701.1	651.7	49.49	14.169					
7,000.0	6,779.3	6,770.9	6,705.9	31.9	27.5	-157.80	-932.6	-235.6	730.7	680.4	50.23	14.546					

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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: PUDGE FED COM PROJECT - _PUDGE FEDERAL COM 903H - OWB - PWPO													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1											Rule Assigned:		Offset Well Error:	0.0 usft
Measured Reference	Vertical	Measured	Vertical	Semi Major Axis		Highside	Offset Wellbore Centre		Distance		No-Go	Separation	Warning	
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				Distance (usft)
7,100.0	6,877.3	6,866.7	6,800.2	32.4	27.9	-157.38	-937.4	-219.6	758.7	707.7	50.97	14.886		
7,200.0	6,975.7	6,962.9	6,894.9	32.8	28.3	-156.95	-942.3	-203.6	785.2	733.5	51.69	15.190		
7,300.0	7,074.4	7,059.4	6,990.0	33.3	28.8	-156.50	-947.1	-187.4	810.2	757.8	52.41	15.459		
7,400.0	7,173.4	7,156.2	7,085.3	33.7	29.2	-156.03	-952.0	-171.3	833.8	780.7	53.12	15.697		
7,500.0	7,272.6	7,253.4	7,181.0	34.1	29.6	-155.53	-956.9	-155.0	855.9	802.1	53.82	15.904		
7,600.0	7,372.0	7,350.8	7,276.9	34.5	30.1	-155.01	-961.8	-138.7	876.5	822.0	54.50	16.084		
7,700.0	7,471.5	7,448.5	7,373.1	34.9	30.5	-154.46	-966.7	-122.4	895.7	840.6	55.16	16.237		
7,800.0	7,571.3	7,546.4	7,469.5	35.3	31.0	-153.89	-971.6	-106.1	913.5	857.6	55.81	16.367		
7,900.0	7,671.1	7,644.5	7,566.1	35.7	31.4	-153.29	-976.6	-89.7	929.8	873.3	56.44	16.474		
8,000.0	7,771.0	7,742.7	7,662.8	36.0	31.9	-152.66	-981.5	-73.3	944.7	887.6	57.04	16.562		
8,100.0	7,871.0	7,841.0	7,759.6	36.3	32.3	-152.00	-986.5	-56.8	958.2	900.6	57.60	16.635		
8,179.0	7,950.0	7,918.8	7,836.2	36.4	32.7	58.68	-990.4	-43.8	967.9	910.0	57.96	16.700		
8,186.5	7,957.5	7,926.2	7,843.5	36.4	32.7	58.74	-990.8	-42.6	968.8	910.8	57.98	16.709		
8,200.0	7,971.0	7,939.5	7,856.5	36.4	32.8	59.13	-991.4	-40.4	970.3	912.3	58.02	16.723		
8,225.0	7,995.9	7,964.0	7,880.7	36.4	32.9	59.15	-992.7	-36.3	972.6	914.5	58.03	16.760		
8,250.0	8,020.8	7,988.3	7,904.6	36.4	33.0	59.30	-993.9	-32.2	974.2	916.1	58.11	16.764		
8,275.0	8,045.5	8,012.4	7,928.4	36.4	33.1	59.57	-995.1	-28.2	975.2	917.0	58.19	16.758		
8,300.0	8,069.9	8,036.2	7,951.8	36.4	33.2	59.96	-996.3	-24.2	975.5	917.3	58.27	16.741		
8,325.0	8,094.0	8,059.6	7,974.8	36.4	33.3	60.46	-997.5	-20.3	975.3	917.0	58.35	16.715		
8,350.0	8,117.8	8,082.6	7,997.5	36.4	33.4	61.07	-998.7	-16.5	974.6	916.2	58.43	16.680		
8,375.0	8,141.1	8,105.3	8,019.9	36.4	33.5	61.79	-999.8	-12.7	973.3	914.8	58.51	16.636		
8,400.0	8,163.9	8,130.3	8,044.5	36.4	33.6	62.68	-1,001.0	-8.5	971.5	912.9	58.62	16.573		
8,425.0	8,186.2	8,154.7	8,068.5	36.4	33.7	63.67	-1,002.2	-4.6	969.2	910.4	58.73	16.502		
8,450.0	8,207.8	8,178.4	8,091.9	36.4	33.8	64.75	-1,003.3	-0.9	966.4	907.5	58.83	16.425		
8,475.0	8,228.7	8,201.3	8,114.5	36.4	33.9	65.91	-1,004.4	2.6	963.2	904.3	58.94	16.343		
8,500.0	8,248.9	8,223.4	8,136.3	36.4	34.0	67.14	-1,005.4	5.9	959.6	900.6	59.03	16.257		
8,525.0	8,268.3	8,244.5	8,157.2	36.4	34.1	68.42	-1,006.3	9.0	955.8	896.7	59.12	16.168		
8,550.0	8,286.9	8,264.8	8,177.2	36.4	34.2	69.74	-1,007.2	11.8	951.8	892.6	59.20	16.077		
8,575.0	8,304.5	8,284.0	8,196.2	36.4	34.3	71.09	-1,008.0	14.5	947.5	888.3	59.28	15.985		
8,600.0	8,321.2	8,302.1	8,214.2	36.4	34.4	72.45	-1,008.7	17.0	943.2	883.9	59.34	15.894		
8,625.0	8,336.9	8,319.1	8,231.0	36.4	34.5	73.80	-1,009.4	19.2	938.9	879.5	59.40	15.806		
8,650.0	8,351.5	8,335.0	8,246.7	36.4	34.5	75.13	-1,010.0	21.3	934.5	875.1	59.44	15.722		
8,675.0	8,365.1	8,349.6	8,261.2	36.4	34.6	76.41	-1,010.6	23.2	930.3	870.8	59.48	15.642		
8,700.0	8,377.6	8,362.9	8,274.5	36.4	34.6	77.62	-1,011.1	24.8	926.3	866.8	59.50	15.568		
8,725.0	8,388.9	8,375.0	8,286.4	36.4	34.7	78.76	-1,011.5	26.3	922.5	863.0	59.51	15.501		
8,750.0	8,399.0	8,385.7	8,297.0	36.4	34.7	79.80	-1,011.9	27.6	918.9	859.4	59.51	15.443		
8,775.0	8,407.9	8,395.0	8,306.2	36.5	34.8	80.74	-1,012.3	28.7	915.8	856.3	59.49	15.394		
8,800.0	8,415.6	8,402.8	8,314.0	36.5	34.8	81.55	-1,012.6	29.7	913.0	853.5	59.46	15.356		
8,825.0	8,422.0	8,409.3	8,320.4	36.5	34.8	82.22	-1,012.8	30.4	910.6	851.2	59.41	15.329		
8,850.0	8,427.1	8,414.2	8,325.3	36.5	34.9	82.76	-1,013.0	31.0	908.8	849.4	59.34	15.314		
8,875.0	8,431.0	8,417.7	8,328.8	36.5	34.9	83.14	-1,013.1	31.4	907.4	848.1	59.26	15.311		
8,900.0	8,433.6	8,419.6	8,330.7	36.5	34.9	83.36	-1,013.1	31.6	906.5	847.4	59.17	15.321		
8,925.0	8,434.8	8,420.1	8,331.1	36.5	34.9	83.43	-1,013.2	31.7	906.2	847.2	59.06	15.344		
8,927.0	8,434.9	8,420.0	8,331.1	36.5	34.9	83.42	-1,013.2	31.7	906.2	847.2	59.05	15.346		
8,936.1	8,435.0	8,419.8	8,330.8	36.5	34.9	83.40	-1,013.1	31.6	906.3	847.2	59.01	15.358		
9,000.0	8,435.0	8,417.1	8,328.2	36.5	34.9	83.24	-1,013.1	31.3	909.0	850.3	58.68	15.490		
9,100.0	8,435.1	8,413.0	8,324.1	36.5	34.9	82.98	-1,012.9	30.8	922.2	864.1	58.12	15.867		
9,200.0	8,435.2	8,408.8	8,320.0	36.6	34.8	82.71	-1,012.8	30.4	945.8	888.3	57.53	16.441		
9,300.0	8,435.3	8,404.6	8,315.8	36.6	34.8	82.44	-1,012.6	29.9	979.1	922.2	56.95	17.194		

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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: PUDGE FED COM PROJECT - _PUDGE FEDERAL COM 904H - OWB - PWPO														Offset Site Error:	0.0 usft		
Survey Program: 0-r.5 MWD+IFR1														Rule Assigned:		Offset Well Error:	0.0 usft
Measured Reference	Vertical	Measured	Vertical	Semi Major Axis		Highside	Offset Wellbore Centre		Distance		No-Go	Separation	Warning				
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)		Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)				Between Ellipses (usft)	Distance (usft)	Factor	
2,800.0	2,741.9	2,723.9	2,741.9	11.4	6.6	45.84	-645.1	-1,179.8	990.4	973.5	16.94	58.462					
2,900.0	2,838.0	2,820.0	2,838.0	11.8	6.7	47.00	-645.1	-1,179.8	970.8	953.4	17.39	55.826					
3,000.0	2,934.0	2,916.0	2,934.0	12.3	6.9	48.20	-645.1	-1,179.8	951.6	933.7	17.83	53.380					
3,100.0	3,030.0	3,012.0	3,030.0	12.8	7.0	49.45	-645.1	-1,179.8	932.8	914.5	18.25	51.111					
3,200.0	3,126.0	3,108.0	3,126.0	13.3	7.1	50.75	-645.1	-1,179.8	914.4	895.8	18.66	49.006					
3,300.0	3,222.1	3,204.1	3,222.1	13.7	7.2	52.10	-645.1	-1,179.8	896.6	877.5	19.05	47.054					
3,400.0	3,318.1	3,300.1	3,318.1	14.2	7.4	53.50	-645.1	-1,179.8	879.3	859.8	19.43	45.245					
3,500.0	3,414.1	3,396.1	3,414.1	14.7	7.5	54.95	-645.1	-1,179.8	862.5	842.7	19.80	43.570					
3,600.0	3,510.1	3,492.1	3,510.1	15.2	7.6	56.45	-645.1	-1,179.8	846.3	826.2	20.14	42.021					
3,700.0	3,606.2	3,606.8	3,624.8	15.6	7.8	58.21	-646.6	-1,178.5	829.8	809.4	20.42	40.641					
3,800.0	3,702.2	3,723.7	3,741.4	16.1	8.0	59.83	-651.8	-1,174.2	811.4	790.8	20.67	39.265					
3,900.0	3,798.2	3,852.4	3,869.5	16.6	8.1	61.48	-660.6	-1,165.3	790.5	769.6	20.85	37.906					
4,000.0	3,894.2	3,971.5	3,987.5	17.1	8.2	63.03	-669.9	-1,152.2	765.8	744.7	21.06	36.359					
4,100.0	3,990.3	4,066.7	4,081.8	17.6	8.4	64.35	-677.6	-1,140.7	740.6	719.2	21.38	34.630					
4,200.0	4,086.3	4,162.0	4,176.0	18.1	8.6	65.75	-685.3	-1,129.2	715.7	694.0	21.71	32.963					
4,300.0	4,182.3	4,257.2	4,270.3	18.6	8.7	67.25	-692.9	-1,117.7	691.3	669.3	22.04	31.366					
4,400.0	4,278.3	4,352.5	4,364.5	19.1	8.9	68.86	-700.6	-1,106.1	667.4	645.1	22.37	29.838					
4,500.0	4,374.3	4,447.7	4,458.7	19.5	9.2	70.58	-708.3	-1,094.6	644.1	621.4	22.70	28.378					
4,600.0	4,470.4	4,543.0	4,553.0	20.0	9.4	72.42	-715.9	-1,083.1	621.3	598.3	23.03	26.981					
4,700.0	4,566.4	4,638.3	4,647.2	20.5	9.6	74.39	-723.6	-1,071.6	599.3	575.9	23.37	25.645					
4,800.0	4,662.4	4,733.5	4,741.5	21.0	9.9	76.51	-731.3	-1,060.1	578.0	554.3	23.72	24.366					
4,900.0	4,758.4	4,828.8	4,835.7	21.5	10.2	78.77	-738.9	-1,048.6	557.6	533.5	24.10	23.140					
5,000.0	4,854.5	4,924.0	4,930.0	22.0	10.4	81.19	-746.6	-1,037.1	538.1	513.6	24.50	21.964					
5,100.0	4,950.5	5,019.3	5,024.2	22.5	10.7	83.78	-754.3	-1,025.6	519.6	494.7	24.94	20.835					
5,200.0	5,046.5	5,114.5	5,118.5	23.0	11.0	86.54	-761.9	-1,014.0	502.3	476.9	25.43	19.752					
5,300.0	5,142.5	5,209.8	5,212.7	23.5	11.3	89.47	-769.6	-1,002.5	486.4	460.4	25.99	18.711					
5,400.0	5,238.6	5,305.0	5,307.0	24.0	11.6	92.58	-777.3	-991.0	471.8	445.2	26.64	17.714					
5,500.0	5,334.6	5,400.3	5,401.2	24.5	11.9	95.87	-784.9	-979.5	458.8	431.4	27.37	16.762					
5,600.0	5,430.6	5,495.5	5,495.5	25.0	12.3	99.32	-792.6	-968.0	447.5	419.3	28.22	15.860					
5,700.0	5,526.6	5,590.8	5,589.7	25.5	12.6	102.92	-800.3	-956.5	438.0	408.9	29.18	15.014					
5,800.0	5,622.7	5,686.1	5,683.9	26.0	12.9	106.65	-807.9	-945.0	430.5	400.3	30.25	14.232					
5,900.0	5,718.7	5,781.3	5,778.2	26.5	13.3	110.48	-815.6	-933.5	425.0	393.6	31.44	13.521					
6,000.0	5,814.7	5,876.6	5,872.4	27.0	13.6	114.38	-823.3	-921.9	421.7	389.0	32.72	12.888					
6,100.0	5,910.7	5,971.8	5,966.7	27.5	14.0	118.33	-830.9	-910.4	420.5	386.5	34.08	12.338					
6,104.4	5,915.0	5,976.1	5,970.9	27.5	14.0	118.50	-831.3	-909.9	420.5	386.4	34.15	12.316					
6,200.0	6,006.8	6,067.1	6,060.9	28.0	14.3	122.27	-838.6	-898.9	421.6	386.1	35.50	11.875					
6,300.0	6,102.8	6,162.3	6,155.2	28.5	14.7	126.18	-846.3	-887.4	424.8	387.9	36.95	11.497					
6,400.0	6,198.8	6,257.6	6,249.4	29.0	15.0	130.02	-853.9	-875.9	430.2	391.8	38.40	11.203					
6,500.0	6,294.8	6,352.8	6,343.7	29.5	15.4	133.75	-861.6	-864.4	437.6	397.8	39.82	10.988					
6,557.9	6,350.5	6,408.0	6,398.3	29.8	15.6	135.86	-866.0	-857.7	442.8	402.2	40.63	10.899					
6,600.0	6,390.9	6,448.1	6,438.0	30.0	15.7	137.37	-869.2	-852.9	446.8	405.6	41.19	10.848					
6,700.0	6,487.4	6,543.8	6,532.6	30.5	16.1	140.79	-876.9	-841.3	456.8	414.3	42.50	10.748					
6,800.0	6,584.3	6,639.9	6,627.7	30.9	16.5	143.95	-884.7	-829.7	467.0	423.2	43.73	10.678					
6,900.0	6,681.6	6,736.4	6,723.2	31.4	16.9	146.88	-892.4	-818.0	477.0	432.2	44.88	10.629					
7,000.0	6,779.3	6,833.3	6,819.0	31.9	17.2	149.58	-900.2	-806.3	486.8	440.9	45.96	10.592					
7,100.0	6,877.3	6,930.5	6,915.2	32.4	17.6	152.10	-908.1	-794.6	496.2	449.2	46.98	10.562					
7,200.0	6,975.7	7,028.0	7,011.6	32.8	18.0	154.43	-915.9	-782.8	504.8	456.9	47.93	10.532					
7,300.0	7,074.4	7,125.8	7,108.4	33.3	18.4	156.61	-923.8	-771.0	512.7	463.9	48.83	10.499					
7,400.0	7,173.4	7,223.8	7,205.4	33.7	18.8	158.66	-931.7	-759.1	519.7	470.0	49.68	10.460					
7,500.0	7,272.6	7,322.0	7,302.6	34.1	19.2	160.58	-939.6	-747.2	525.7	475.2	50.49	10.412					
7,600.0	7,372.0	7,420.5	7,400.0	34.5	19.6	162.40	-947.5	-735.3	530.6	479.3	51.24	10.354					

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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: PUDGE FED COM PROJECT - _PUDGE FEDERAL COM 904H - OWB - PWPO														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)					
7,700.0	7,471.5	7,519.1	7,497.5	34.9	20.0	164.14	-955.4	-723.4	534.4	482.4	51.95	10.285			
7,800.0	7,571.3	7,617.8	7,595.2	35.3	20.4	165.80	-963.4	-711.5	536.9	484.3	52.62	10.204			
7,900.0	7,671.1	7,716.6	7,693.0	35.7	20.8	167.41	-971.3	-699.6	538.2	485.0	53.23	10.112			
8,000.0	7,771.0	7,815.5	7,790.9	36.0	21.2	168.97	-979.3	-687.6	538.3	484.5	53.79	10.007			
8,100.0	7,871.0	7,914.5	7,888.7	36.3	21.6	170.50	-987.2	-675.6	537.0	482.7	54.27	9.894			
8,179.0	7,950.0	7,992.7	7,966.1	36.4	21.9	21.82	-993.5	-666.2	535.0	480.1	54.97	9.733			
8,186.5	7,957.5	8,000.1	7,973.4	36.4	21.9	21.94	-994.1	-665.3	534.8	479.8	54.98	9.728			
8,200.0	7,971.0	8,013.4	7,986.6	36.4	22.0	22.61	-995.2	-663.7	534.2	479.2	55.00	9.713			
8,225.0	7,995.9	8,038.0	8,010.9	36.4	22.1	23.13	-997.2	-660.7	532.3	477.2	55.11	9.658			
8,250.0	8,020.8	8,062.4	8,035.1	36.4	22.2	23.77	-999.1	-657.8	529.1	473.9	55.22	9.583			
8,275.0	8,045.5	8,086.5	8,058.9	36.4	22.3	24.54	-1,001.1	-654.9	524.9	469.5	55.34	9.484			
8,300.0	8,069.9	8,110.2	8,082.4	36.4	22.4	25.43	-1,003.0	-652.0	519.5	464.0	55.49	9.362			
8,325.0	8,094.0	8,133.6	8,105.5	36.4	22.5	26.47	-1,004.9	-649.2	513.0	457.3	55.66	9.217			
8,350.0	8,117.8	8,156.4	8,128.1	36.4	22.6	27.66	-1,006.7	-646.4	505.5	449.6	55.85	9.050			
8,375.0	8,141.1	8,178.8	8,150.2	36.4	22.7	29.02	-1,008.5	-643.7	497.0	440.9	56.05	8.867			
8,400.0	8,163.9	8,200.5	8,171.7	36.4	22.8	30.57	-1,010.3	-641.1	487.5	431.3	56.21	8.674			
8,425.0	8,186.2	8,221.5	8,192.6	36.4	22.8	32.31	-1,012.0	-638.5	477.2	420.9	56.29	8.477			
8,450.0	8,207.8	8,241.8	8,212.6	36.4	22.9	34.26	-1,013.6	-636.1	466.0	409.7	56.27	8.281			
8,475.0	8,228.7	8,261.4	8,232.0	36.4	23.0	36.43	-1,015.1	-633.9	454.0	397.9	56.17	8.083			
8,500.0	8,248.9	8,280.2	8,250.6	36.4	23.1	38.86	-1,016.5	-631.7	441.4	385.4	56.02	7.880			
8,525.0	8,268.3	8,298.2	8,268.5	36.4	23.2	41.53	-1,017.8	-629.8	428.2	372.3	55.83	7.670			
8,550.0	8,286.9	8,315.4	8,285.6	36.4	23.2	44.47	-1,019.0	-627.9	414.4	358.8	55.61	7.451			
8,575.0	8,304.5	8,331.7	8,301.7	36.4	23.3	47.67	-1,020.2	-626.2	400.2	344.9	55.38	7.227			
8,600.0	8,321.2	8,347.1	8,316.9	36.4	23.4	51.10	-1,021.2	-624.6	385.8	330.6	55.13	6.997			
8,625.0	8,336.9	8,361.4	8,331.2	36.4	23.4	54.73	-1,022.2	-623.2	371.1	316.3	54.85	6.767			
8,650.0	8,351.5	8,374.7	8,344.4	36.4	23.5	58.51	-1,023.1	-621.9	356.5	302.0	54.52	6.539			
8,675.0	8,365.1	8,387.0	8,356.6	36.4	23.5	62.35	-1,023.9	-620.7	342.0	287.8	54.14	6.317			
8,700.0	8,377.6	8,398.1	8,367.7	36.4	23.6	66.16	-1,024.6	-619.6	327.8	274.1	53.68	6.106			
8,725.0	8,388.9	8,408.1	8,377.6	36.4	23.6	69.85	-1,025.2	-618.7	314.2	261.0	53.15	5.912			
8,750.0	8,399.0	8,416.9	8,386.3	36.4	23.6	73.30	-1,025.7	-617.9	301.3	248.8	52.51	5.738			
8,775.0	8,407.9	8,424.5	8,393.9	36.5	23.7	76.43	-1,026.2	-617.2	289.5	237.7	51.77	5.592			
8,800.0	8,415.6	8,430.8	8,400.2	36.5	23.7	79.15	-1,026.6	-616.6	278.9	228.0	50.91	5.479			
8,825.0	8,422.0	8,435.9	8,405.2	36.5	23.7	81.40	-1,026.9	-616.1	269.9	220.0	49.95	5.404			
8,850.0	8,427.1	8,439.7	8,408.9	36.5	23.7	83.13	-1,027.1	-615.8	262.7	213.8	48.91	5.372 SF			
8,875.0	8,431.0	8,442.1	8,411.4	36.5	23.7	84.31	-1,027.2	-615.6	257.6	209.8	47.83	5.386			
8,900.0	8,433.6	8,443.2	8,412.5	36.5	23.7	84.91	-1,027.3	-615.5	254.7	207.9	46.77	5.446 ES			
8,919.0	8,434.6	8,443.2	8,412.4	36.5	23.7	84.98	-1,027.3	-615.5	254.0	208.0	46.01	5.520 CC			
8,925.0	8,434.8	8,443.0	8,412.2	36.5	23.7	84.93	-1,027.3	-615.5	254.1	208.3	45.79	5.548			
8,936.1	8,435.0	8,442.4	8,411.7	36.5	23.7	84.75	-1,027.3	-615.6	254.5	209.1	45.40	5.606			
9,000.0	8,435.0	8,438.5	8,407.8	36.5	23.7	83.87	-1,027.0	-615.9	266.3	222.4	43.97	6.057			
9,100.0	8,435.1	8,432.3	8,401.6	36.5	23.7	82.47	-1,026.7	-616.5	311.3	267.0	44.27	7.031			
9,200.0	8,435.2	8,426.0	8,395.3	36.6	23.7	81.05	-1,026.3	-617.0	377.8	332.0	45.81	8.248			
9,300.0	8,435.3	8,419.5	8,388.9	36.6	23.6	79.60	-1,025.9	-617.6	456.7	409.4	47.27	9.660			
9,400.0	8,435.4	8,412.9	8,382.3	36.6	23.6	78.12	-1,025.5	-618.2	542.4	494.1	48.40	11.208			
9,500.0	8,435.5	8,406.1	8,375.6	36.7	23.6	76.63	-1,025.1	-618.9	632.4	583.1	49.23	12.846			
9,600.0	8,435.6	8,399.2	8,368.7	36.8	23.6	75.11	-1,024.6	-619.5	724.9	675.0	49.84	14.542			
9,700.0	8,435.7	8,392.2	8,361.7	36.8	23.5	73.57	-1,024.2	-620.2	819.1	768.8	50.32	16.278			
9,800.0	8,435.8	8,384.9	8,354.6	36.9	23.5	72.02	-1,023.7	-620.9	914.5	863.8	50.69	18.041			

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 503H - 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, 7904-r.5 MWD+IFR1+SAG+FDIR														Rule Assigned:		Offset Well Error:	0.0 usft
Measured 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)							
8,179.0	7,950.0	18,273.9	8,413.7	36.4	87.4	-90.17	-1,492.5	-1,722.1	974.5	880.4	94.13	10.353					
8,186.5	7,957.5	18,273.9	8,413.7	36.4	87.4	-90.16	-1,492.5	-1,722.1	971.0	876.7	94.24	10.302					
8,200.0	7,971.0	18,274.1	8,413.7	36.4	87.4	-90.56	-1,492.3	-1,722.1	964.7	870.3	94.41	10.218					
8,225.0	7,995.9	18,275.5	8,413.7	36.4	87.4	-91.98	-1,490.9	-1,722.1	953.5	858.8	94.71	10.068					
8,250.0	8,020.8	18,278.2	8,413.7	36.4	87.5	-93.21	-1,488.2	-1,722.1	942.8	847.8	95.05	9.920					
8,275.0	8,045.5	18,282.2	8,413.7	36.4	87.5	-94.26	-1,484.2	-1,722.1	932.8	837.4	95.41	9.777					
8,300.0	8,069.9	18,287.4	8,413.7	36.4	87.5	-95.13	-1,479.0	-1,722.1	923.4	827.6	95.79	9.640					
8,325.0	8,094.0	18,294.0	8,413.8	36.4	87.6	-95.83	-1,472.4	-1,722.1	914.7	818.5	96.17	9.511					
8,350.0	8,117.8	18,301.8	8,413.8	36.4	87.7	-96.35	-1,464.6	-1,722.1	906.6	810.1	96.55	9.390					
8,375.0	8,141.1	18,310.8	8,413.8	36.4	87.7	-96.72	-1,455.6	-1,722.2	899.2	802.3	96.93	9.277					
8,400.0	8,163.9	18,321.0	8,413.8	36.4	87.8	-96.93	-1,445.4	-1,722.2	892.5	795.2	97.30	9.173					
8,425.0	8,186.2	18,332.4	8,413.8	36.4	87.9	-97.01	-1,434.0	-1,722.2	886.5	788.8	97.67	9.077					
8,450.0	8,207.8	18,345.0	8,413.8	36.4	88.0	-96.95	-1,421.4	-1,722.3	881.1	783.1	98.01	8.990					
8,475.0	8,228.7	18,358.7	8,413.8	36.4	88.2	-96.76	-1,407.7	-1,722.3	876.4	778.1	98.35	8.911					
8,500.0	8,248.9	18,373.4	8,413.8	36.4	88.3	-96.48	-1,393.0	-1,722.3	872.3	773.6	98.66	8.841					
8,525.0	8,268.3	18,389.2	8,413.8	36.4	88.4	-96.09	-1,377.2	-1,722.4	868.8	769.8	98.96	8.779					
8,550.0	8,286.9	18,406.0	8,413.8	36.4	88.6	-95.63	-1,360.4	-1,722.4	865.8	766.5	99.24	8.724					
8,575.0	8,304.5	18,423.7	8,413.9	36.4	88.7	-95.10	-1,342.7	-1,722.4	863.3	763.8	99.50	8.676					
8,600.0	8,321.2	18,442.3	8,413.9	36.4	88.9	-94.53	-1,324.0	-1,722.5	861.2	761.5	99.75	8.633					
8,625.0	8,336.9	18,461.8	8,413.9	36.4	89.0	-93.91	-1,304.6	-1,722.5	859.6	759.6	99.99	8.597					
8,650.0	8,351.5	18,482.1	8,413.9	36.4	89.2	-93.28	-1,284.3	-1,722.6	858.3	758.1	100.22	8.564					
8,675.0	8,365.1	18,503.1	8,413.9	36.4	89.4	-92.63	-1,263.3	-1,722.6	857.3	756.9	100.44	8.536					
8,700.0	8,377.6	18,524.7	8,413.9	36.4	89.6	-92.00	-1,241.6	-1,722.7	856.6	755.9	100.65	8.510					
8,725.0	8,388.9	18,547.0	8,414.0	36.4	89.8	-91.39	-1,219.3	-1,722.7	856.0	755.2	100.86	8.488					
8,750.0	8,399.0	18,569.9	8,414.0	36.4	89.9	-90.82	-1,196.5	-1,722.8	855.7	754.6	101.07	8.467					
8,775.0	8,407.9	18,593.3	8,414.0	36.5	90.1	-90.29	-1,173.1	-1,722.9	855.5	754.2	101.27	8.447					
8,787.7	8,412.0	18,600.2	8,414.0	36.5	90.2	-90.14	-1,166.2	-1,722.9	855.4	754.1	101.34	8.441 CC, ES					
8,800.0	8,415.6	18,600.2	8,414.0	36.5	90.2	-90.13	-1,166.2	-1,722.9	855.5	754.1	101.36	8.440 SF					
8,825.0	8,422.0	18,600.2	8,414.0	36.5	90.2	-90.05	-1,166.2	-1,722.9	856.2	754.8	101.37	8.447					
8,850.0	8,427.1	18,600.2	8,414.0	36.5	90.2	-89.87	-1,166.2	-1,722.9	857.7	756.3	101.37	8.461					
8,875.0	8,431.0	18,600.2	8,414.0	36.5	90.2	-89.61	-1,166.2	-1,722.9	859.8	758.5	101.36	8.484					
8,900.0	8,433.6	18,600.2	8,414.0	36.5	90.2	-89.26	-1,166.2	-1,722.9	862.7	761.4	101.34	8.514					
8,925.0	8,434.8	18,600.2	8,414.0	36.5	90.2	-88.82	-1,166.2	-1,722.9	866.3	765.0	101.32	8.551					
8,936.1	8,435.0	18,600.2	8,414.0	36.5	90.2	-88.61	-1,166.2	-1,722.9	868.1	766.8	101.31	8.569					
9,000.0	8,435.0	18,600.2	8,414.0	36.5	90.2	-88.61	-1,166.2	-1,722.9	881.2	780.0	101.17	8.710					
9,100.0	8,435.1	18,600.2	8,414.0	36.5	90.2	-88.61	-1,166.2	-1,722.9	910.3	809.5	100.78	9.032					
9,200.0	8,435.2	18,600.2	8,414.0	36.6	90.2	-88.61	-1,166.2	-1,722.9	949.1	848.9	100.14	9.477					
9,300.0	8,435.3	18,600.2	8,414.0	36.6	90.2	-88.61	-1,166.2	-1,722.9	996.4	897.2	99.23	10.042					

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 - _WILD THING FED COM 701H - OWB - PWPO													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			Rule Assigned:	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor			
0.0	0.0	0.0	32.0	0.0	0.0	110.18	-80.4	218.8	235.3						
100.0	100.0	68.0	100.0	0.8	0.8	110.18	-80.4	218.8	233.1	231.0	2.08	112.104			
200.0	200.0	168.0	200.0	1.4	1.6	110.18	-80.4	218.8	233.1	229.6	3.46	67.339			
300.0	300.0	268.0	300.0	1.9	2.0	110.18	-80.4	218.8	233.1	228.8	4.32	53.912			
400.0	400.0	368.0	400.0	2.2	2.3	110.18	-80.4	218.8	233.1	228.1	5.03	46.370			
500.0	500.0	468.0	500.0	2.6	2.6	110.18	-80.4	218.8	233.1	227.5	5.64	41.339			
600.0	600.0	568.0	600.0	2.8	2.9	110.18	-80.4	218.8	233.1	226.9	6.19	37.662			
700.0	700.0	668.0	700.0	3.1	3.2	110.18	-80.4	218.8	233.1	226.4	6.69	34.817			
800.0	800.0	768.0	800.0	3.3	3.4	110.18	-80.4	218.8	233.1	225.9	7.17	32.528 CC			
900.0	900.0	868.0	900.0	3.7	3.6	-100.37	-80.4	218.8	233.4	225.8	7.60	30.712 ES			
1,000.0	999.8	967.8	999.8	4.0	3.8	-101.61	-80.4	218.8	234.4	226.4	8.00	29.295			
1,100.0	1,099.5	1,063.5	1,095.5	4.4	4.1	-103.54	-80.6	219.3	236.9	228.5	8.41	28.168			
1,200.0	1,198.7	1,156.8	1,188.8	4.7	4.3	-106.02	-81.4	221.9	242.9	234.1	8.83	27.517			
1,300.0	1,297.5	1,249.3	1,281.1	5.1	4.5	-108.92	-82.9	226.5	253.0	243.7	9.26	27.315 SF			
1,400.0	1,395.6	1,340.7	1,372.3	5.5	4.7	-112.03	-85.1	233.2	267.5	257.8	9.73	27.491			
1,500.0	1,493.1	1,430.8	1,461.9	5.9	5.0	-115.18	-87.9	241.9	286.7	276.4	10.23	28.011			
1,600.0	1,589.6	1,519.4	1,549.8	6.3	5.3	-118.19	-91.3	252.3	310.6	299.9	10.77	28.832			
1,610.5	1,599.8	1,528.6	1,558.9	6.4	5.3	-118.50	-91.7	253.5	313.5	302.6	10.82	28.963			
1,700.0	1,685.7	1,606.5	1,636.0	6.7	5.5	-121.26	-95.3	264.5	338.8	327.5	11.35	29.862			
1,800.0	1,781.7	1,692.8	1,721.1	7.1	5.8	-123.78	-99.8	278.4	369.9	358.0	11.90	31.090			
1,900.0	1,877.7	1,778.2	1,804.8	7.5	6.1	-125.80	-104.8	293.9	403.4	391.0	12.46	32.392			
2,000.0	1,973.7	1,862.5	1,887.2	7.9	6.5	-127.39	-110.4	311.0	439.3	426.3	13.02	33.745			
2,100.0	2,069.8	1,950.7	1,973.0	8.3	6.8	-128.71	-116.7	330.4	477.0	463.3	13.62	35.030			
2,200.0	2,165.8	2,042.7	2,062.5	8.7	7.1	-129.88	-123.3	350.9	515.0	500.7	14.25	36.137			
2,300.0	2,261.8	2,134.7	2,151.9	9.1	7.5	-130.89	-130.0	371.3	553.2	538.3	14.90	37.126			
2,400.0	2,357.8	2,226.7	2,241.4	9.6	7.8	-131.78	-136.6	391.7	591.5	576.0	15.56	38.012			
2,500.0	2,453.9	2,318.7	2,330.9	10.0	8.2	-132.55	-143.2	412.1	630.0	613.7	16.23	38.807			
2,600.0	2,549.9	2,410.7	2,420.3	10.5	8.6	-133.24	-149.9	432.6	668.5	651.6	16.91	39.522			
2,700.0	2,645.9	2,502.7	2,509.8	10.9	9.0	-133.85	-156.5	453.0	707.1	689.5	17.60	40.168			
2,800.0	2,741.9	2,594.7	2,599.2	11.4	9.3	-134.40	-163.1	473.4	745.7	727.4	18.30	40.752			
2,900.0	2,838.0	2,686.7	2,688.7	11.8	9.7	-134.90	-169.8	493.8	784.5	765.5	19.00	41.282			
3,000.0	2,934.0	2,778.7	2,778.1	12.3	10.1	-135.34	-176.4	514.3	823.2	803.5	19.71	41.765			
3,100.0	3,030.0	2,870.7	2,867.6	12.8	10.5	-135.75	-183.1	534.7	862.0	841.6	20.42	42.205			
3,200.0	3,126.0	2,962.7	2,957.1	13.3	10.9	-136.13	-189.7	555.1	900.8	879.7	21.14	42.608			
3,300.0	3,222.1	3,054.7	3,046.5	13.7	11.3	-136.47	-196.3	575.5	939.7	917.8	21.87	42.977			
3,400.0	3,318.1	3,146.7	3,136.0	14.2	11.8	-136.78	-203.0	596.0	978.6	956.0	22.59	43.317			

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 - _WILD THING FED COM 702H - OWB - PWPO													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		Rule Assigned:		Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor			
0.0	0.0	0.0	33.0	0.0	0.0	116.92	-99.2	195.4	221.7						
100.0	100.0	67.0	100.0	0.8	0.8	116.92	-99.2	195.4	219.2	217.1	2.07	106.051			
200.0	200.0	167.0	200.0	1.4	1.5	116.92	-99.2	195.4	219.2	215.7	3.46	63.420			
300.0	300.0	267.0	300.0	1.9	2.0	116.92	-99.2	195.4	219.2	214.9	4.32	50.746			
400.0	400.0	367.0	400.0	2.2	2.3	116.92	-99.2	195.4	219.2	214.2	5.02	43.636			
500.0	500.0	467.0	500.0	2.6	2.6	116.92	-99.2	195.4	219.2	213.6	5.64	38.895			
600.0	600.0	567.0	600.0	2.8	2.9	116.92	-99.2	195.4	219.2	213.0	6.19	35.432			
700.0	700.0	667.0	700.0	3.1	3.2	116.92	-99.2	195.4	219.2	212.5	6.69	32.754			
800.0	800.0	767.0	800.0	3.3	3.4	116.92	-99.2	195.4	219.2	212.0	7.16	30.599 CC			
900.0	900.0	867.0	900.0	3.7	3.6	-93.67	-99.2	195.4	219.3	211.7	7.59	28.880 ES			
1,000.0	999.8	966.8	999.8	4.0	3.8	-95.02	-99.2	195.4	219.7	211.7	7.99	27.497			
1,100.0	1,099.5	1,063.2	1,096.2	4.4	4.0	-97.10	-99.7	195.8	221.1	212.8	8.38	26.391			
1,200.0	1,198.7	1,157.7	1,190.6	4.7	4.3	-99.61	-101.7	197.5	225.5	216.7	8.77	25.715			
1,300.0	1,297.5	1,251.8	1,284.6	5.1	4.5	-102.43	-105.6	200.8	233.1	224.0	9.16	25.453 SF			
1,400.0	1,395.6	1,345.3	1,377.9	5.5	4.7	-105.41	-111.2	205.5	244.3	234.8	9.57	25.531			
1,500.0	1,493.1	1,438.2	1,470.3	5.9	5.0	-108.41	-118.5	211.6	259.3	249.2	10.00	25.913			
1,600.0	1,589.6	1,530.3	1,561.6	6.3	5.2	-111.29	-127.4	219.1	278.0	267.6	10.43	26.653			
1,610.5	1,599.8	1,539.8	1,571.0	6.4	5.3	-111.58	-128.4	219.9	280.2	269.7	10.46	26.786			
1,700.0	1,685.7	1,619.2	1,649.5	6.7	5.5	-114.05	-137.7	228.0	300.4	289.6	10.89	27.602			
1,800.0	1,781.7	1,707.4	1,736.2	7.1	5.8	-116.17	-149.6	239.0	326.0	314.6	11.38	28.643			
1,900.0	1,877.7	1,794.8	1,821.5	7.5	6.2	-117.70	-163.0	251.9	354.1	342.3	11.88	29.816			
2,000.0	1,973.7	1,886.7	1,910.8	7.9	6.5	-118.86	-178.5	267.1	384.3	372.0	12.34	31.146			
2,100.0	2,069.8	1,981.7	2,003.1	8.3	6.8	-119.87	-194.7	283.0	414.8	401.9	12.88	32.203			
2,200.0	2,165.8	2,076.7	2,095.3	8.7	7.2	-120.74	-210.9	299.0	445.4	432.0	13.44	33.137			
2,300.0	2,261.8	2,171.7	2,187.6	9.1	7.5	-121.51	-227.0	314.9	476.0	462.0	14.01	33.972			
2,400.0	2,357.8	2,266.7	2,279.9	9.6	7.9	-122.17	-243.2	330.8	506.8	492.2	14.60	34.721			
2,500.0	2,453.9	2,361.7	2,372.1	10.0	8.3	-122.77	-259.3	346.7	537.6	522.4	15.19	35.395			
2,600.0	2,549.9	2,456.7	2,464.4	10.5	8.7	-123.30	-275.5	362.6	568.4	552.6	15.79	36.001			
2,700.0	2,645.9	2,551.7	2,556.6	10.9	9.1	-123.77	-291.6	378.5	599.3	582.9	16.40	36.550			
2,800.0	2,741.9	2,646.7	2,648.9	11.4	9.5	-124.20	-307.8	394.5	630.2	613.1	17.01	37.046			
2,900.0	2,838.0	2,741.8	2,741.2	11.8	9.9	-124.59	-323.9	410.4	661.1	643.5	17.63	37.497			
3,000.0	2,934.0	2,836.8	2,833.4	12.3	10.3	-124.94	-340.1	426.3	692.0	673.8	18.26	37.908			
3,100.0	3,030.0	2,931.8	2,925.7	12.8	10.7	-125.26	-356.2	442.2	723.0	704.1	18.89	38.283			
3,200.0	3,126.0	3,026.8	3,017.9	13.3	11.2	-125.56	-372.4	458.1	754.0	734.5	19.52	38.627			
3,300.0	3,222.1	3,121.8	3,110.2	13.7	11.6	-125.83	-388.6	474.0	785.0	764.9	20.16	38.942			
3,400.0	3,318.1	3,216.8	3,202.4	14.2	12.0	-126.09	-404.7	490.0	816.1	795.3	20.80	39.231			
3,500.0	3,414.1	3,311.8	3,294.7	14.7	12.5	-126.32	-420.9	505.9	847.1	825.6	21.45	39.498			
3,600.0	3,510.1	3,406.8	3,387.0	15.2	12.9	-126.54	-437.0	521.8	878.1	856.1	22.09	39.745			
3,700.0	3,606.2	3,501.8	3,479.2	15.6	13.3	-126.74	-453.2	537.7	909.2	886.5	22.75	39.973			
3,800.0	3,702.2	3,596.8	3,571.5	16.1	13.8	-126.93	-469.3	553.6	940.3	916.9	23.40	40.185			
3,900.0	3,798.2	3,691.8	3,663.7	16.6	14.2	-127.11	-485.5	569.5	971.4	947.3	24.05	40.382			

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 - _WILD THING FED COM 703H - OWB - PWPO													Offset Site Error:	0.0 usft	
Survey Program: 0-r.5 MWD+IFR1+MS										Rule Assigned:			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	0.0	33.0	0.0	0.0	124.46	-118.1	172.1	211.3						
100.0	100.0	67.0	100.0	0.8	0.8	124.46	-118.1	172.1	208.7	206.7	2.07	100.981			
200.0	200.0	167.0	200.0	1.4	1.5	124.46	-118.1	172.1	208.7	205.3	3.46	60.389			
300.0	300.0	267.0	300.0	1.9	2.0	124.46	-118.1	172.1	208.7	204.4	4.32	48.320			
400.0	400.0	367.0	400.0	2.2	2.3	124.46	-118.1	172.1	208.7	203.7	5.02	41.550			
500.0	500.0	467.0	500.0	2.6	2.6	124.46	-118.1	172.1	208.7	203.1	5.64	37.036			
600.0	600.0	567.0	600.0	2.8	2.9	124.46	-118.1	172.1	208.7	202.5	6.19	33.739			
700.0	700.0	667.0	700.0	3.1	3.2	124.46	-118.1	172.1	208.7	202.0	6.69	31.188			
800.0	800.0	767.0	800.0	3.3	3.4	124.46	-118.1	172.1	208.7	201.6	7.16	29.136			
900.0	900.0	867.0	900.0	3.7	3.6	-86.16	-118.1	172.1	208.6	201.0	7.59	27.470			
1,000.0	999.8	966.8	999.8	4.0	3.8	-87.60	-118.1	172.1	208.3	200.3	7.99	26.077			
1,100.0	1,099.5	1,066.5	1,099.5	4.4	4.0	-89.99	-118.1	172.1	208.1	199.8	8.37	24.876 CC			
1,104.4	1,103.9	1,070.9	1,103.9	4.4	4.0	-90.12	-118.1	172.1	208.1	199.8	8.38	24.826 ES			
1,200.0	1,198.7	1,165.7	1,198.7	4.7	4.2	-93.31	-118.1	172.1	208.5	199.8	8.74	23.866			
1,300.0	1,297.5	1,264.5	1,297.5	5.1	4.4	-97.49	-118.1	172.1	210.0	200.9	9.11	23.057			
1,400.0	1,395.6	1,362.6	1,395.6	5.5	4.6	-102.43	-118.1	172.1	213.4	203.9	9.50	22.460			
1,500.0	1,493.1	1,460.1	1,493.1	5.9	4.8	-107.92	-118.1	172.1	219.4	209.5	9.94	22.082			
1,600.0	1,589.6	1,556.6	1,589.6	6.3	4.9	-113.75	-118.1	172.1	228.9	218.5	10.44	21.929 SF			
1,610.5	1,599.8	1,566.8	1,599.8	6.4	4.9	-114.37	-118.1	172.1	230.1	219.6	10.48	21.954			
1,700.0	1,685.7	1,652.7	1,685.7	6.7	5.1	-119.61	-118.1	172.1	241.8	230.8	11.02	21.950			
1,800.0	1,781.7	1,748.7	1,781.7	7.1	5.2	-124.88	-118.1	172.1	257.2	245.6	11.60	22.167			
1,900.0	1,877.7	1,844.7	1,877.7	7.5	5.4	-129.55	-118.1	172.1	274.5	262.3	12.21	22.475			
2,000.0	1,973.7	1,940.7	1,973.7	7.9	5.5	-133.67	-118.1	172.1	293.5	280.6	12.85	22.845			
2,100.0	2,069.8	2,036.6	2,069.6	8.3	5.7	-137.25	-118.3	172.2	313.8	300.3	13.47	23.305			
2,200.0	2,165.8	2,132.7	2,165.7	8.7	5.9	-140.08	-120.2	173.0	335.2	321.1	14.07	23.817			
2,300.0	2,261.8	2,229.6	2,262.4	9.1	6.0	-142.19	-124.5	174.6	357.2	342.6	14.67	24.356			
2,400.0	2,357.8	2,327.0	2,359.6	9.6	6.2	-143.68	-131.1	177.2	379.5	364.3	15.25	24.880			
2,500.0	2,453.9	2,424.9	2,457.0	10.0	6.4	-144.65	-140.1	180.8	401.9	386.0	15.83	25.379			
2,600.0	2,549.9	2,523.1	2,554.5	10.5	6.6	-145.17	-151.4	185.2	424.1	407.7	16.39	25.874			
2,700.0	2,645.9	2,620.7	2,651.1	10.9	6.7	-145.45	-164.0	190.2	446.2	429.3	16.93	26.361			
2,800.0	2,741.9	2,718.2	2,747.7	11.4	7.0	-145.69	-176.6	195.2	468.4	450.9	17.50	26.759			
2,900.0	2,838.0	2,815.7	2,844.2	11.8	7.2	-145.91	-189.2	200.1	490.5	472.4	18.09	27.121			
3,000.0	2,934.0	2,913.2	2,940.8	12.3	7.5	-146.11	-201.9	205.1	512.7	494.0	18.68	27.450			
3,100.0	3,030.0	3,010.7	3,037.3	12.8	7.8	-146.30	-214.5	210.1	534.8	515.5	19.27	27.751			
3,200.0	3,126.0	3,108.2	3,133.9	13.3	8.0	-146.47	-227.1	215.1	557.0	537.1	19.87	28.026			
3,300.0	3,222.1	3,205.7	3,230.5	13.7	8.3	-146.63	-239.7	220.0	579.1	558.6	20.48	28.277			
3,400.0	3,318.1	3,303.2	3,327.0	14.2	8.7	-146.77	-252.4	225.0	601.3	580.2	21.09	28.508			
3,500.0	3,414.1	3,400.7	3,423.6	14.7	9.0	-146.91	-265.0	230.0	623.5	601.8	21.71	28.720			
3,600.0	3,510.1	3,498.2	3,520.1	15.2	9.3	-147.03	-277.6	235.0	645.6	623.3	22.33	28.915			
3,700.0	3,606.2	3,595.7	3,616.7	15.6	9.6	-147.15	-290.2	239.9	667.8	644.9	22.95	29.095			
3,800.0	3,702.2	3,693.2	3,713.2	16.1	10.0	-147.26	-302.9	244.9	690.0	666.4	23.58	29.262			
3,900.0	3,798.2	3,790.7	3,809.8	16.6	10.3	-147.37	-315.5	249.9	712.2	688.0	24.21	29.416			
4,000.0	3,894.2	3,888.2	3,906.3	17.1	10.7	-147.46	-328.1	254.8	734.4	709.5	24.84	29.559			
4,100.0	3,990.3	3,985.7	4,002.9	17.6	11.0	-147.55	-340.7	259.8	756.6	731.1	25.48	29.691			
4,200.0	4,086.3	4,083.2	4,099.4	18.1	11.4	-147.64	-353.4	264.8	778.7	752.6	26.12	29.814			
4,300.0	4,182.3	4,180.7	4,196.0	18.6	11.8	-147.72	-366.0	269.8	800.9	774.2	26.76	29.929			
4,400.0	4,278.3	4,278.2	4,292.5	19.1	12.1	-147.80	-378.6	274.7	823.1	795.7	27.40	30.036			
4,500.0	4,374.3	4,375.7	4,389.1	19.5	12.5	-147.87	-391.2	279.7	845.3	817.3	28.05	30.136			
4,600.0	4,470.4	4,473.2	4,485.6	20.0	12.9	-147.94	-403.9	284.7	867.5	838.8	28.70	30.230			
4,700.0	4,566.4	4,570.7	4,582.2	20.5	13.3	-148.01	-416.5	289.7	889.7	860.4	29.35	30.317			
4,800.0	4,662.4	4,668.2	4,678.7	21.0	13.6	-148.07	-429.1	294.6	911.9	881.9	30.00	30.399			

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 703H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 MWD+IFR1+MS											Rule Assigned:		Offset Well Error: 0.0 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)		Separation Factor
4,900.0	4,758.4	4,765.7	4,775.3	21.5	14.0	-148.13	-441.7	299.6	934.1	903.4	30.65	30.477	
5,000.0	4,854.5	4,863.2	4,871.8	22.0	14.4	-148.19	-454.4	304.6	956.3	925.0	31.30	30.549	
5,100.0	4,950.5	4,960.3	4,968.0	22.5	14.8	-148.24	-466.9	309.5	978.5	946.5	31.94	30.632	

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 - _WILD THING FED COM 704H - OWB - PWPO													Offset Site Error:	0.0 usft		
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 9257-r.5 MWD+IFR1+SAG+FDIR													Offset Well Error:	0.0 usft		
Reference													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			
0.0	0.0	0.0	37.0	0.0	0.0	132.53	-136.8	149.1	205.7							
100.0	100.0	63.0	100.0	0.8	0.8	132.53	-136.8	149.1	202.4	200.4	2.02	100.259				
200.0	200.0	163.0	200.0	1.4	1.5	132.53	-136.8	149.1	202.4	199.0	3.44	58.905				
300.0	300.0	263.0	300.0	1.9	2.0	132.53	-136.8	149.1	202.4	198.1	4.30	47.023				
400.0	400.0	363.0	400.0	2.2	2.3	132.53	-136.8	149.1	202.4	197.4	5.01	40.394				
500.0	500.0	463.0	500.0	2.6	2.6	132.53	-136.8	149.1	202.4	196.8	5.62	35.986				
600.0	600.0	563.0	600.0	2.8	2.9	132.53	-136.8	149.1	202.4	196.2	6.18	32.770				
700.0	700.0	663.0	700.0	3.1	3.2	132.53	-136.8	149.1	202.4	195.7	6.68	30.285				
800.0	800.0	763.0	800.0	3.3	3.4	132.53	-136.8	149.1	202.4	195.2	7.15	28.288				
900.0	900.0	863.0	900.0	3.7	3.6	-78.10	-136.8	149.1	202.0	194.4	7.59	26.614				
1,000.0	999.8	962.8	999.8	4.0	3.8	-79.57	-136.8	149.1	201.0	193.0	7.99	25.159				
1,100.0	1,099.5	1,060.7	1,097.7	4.4	4.0	-81.89	-137.3	149.1	199.9	191.5	8.36	23.897				
1,145.3	1,144.5	1,104.6	1,141.6	4.5	4.1	-83.06	-138.2	149.0	199.7	191.2	8.53	23.427	CC, ES			
1,200.0	1,198.7	1,157.6	1,194.5	4.7	4.3	-84.58	-140.0	148.9	200.0	191.2	8.71	22.964				
1,300.0	1,297.5	1,254.5	1,291.3	5.1	4.5	-87.57	-145.3	148.4	201.5	192.5	9.03	22.307				
1,400.0	1,395.6	1,351.9	1,388.4	5.5	4.6	-90.82	-152.9	147.7	204.7	195.4	9.30	22.004				
1,500.0	1,493.1	1,451.2	1,487.3	5.9	4.7	-94.72	-161.5	146.9	209.2	199.6	9.56	21.875				
1,600.0	1,589.6	1,552.5	1,588.1	6.3	4.8	-99.03	-171.4	144.7	214.2	204.3	9.91	21.616				
1,610.5	1,599.8	1,563.2	1,598.7	6.4	4.8	-99.49	-172.6	144.4	214.8	204.8	9.94	21.608				
1,700.0	1,685.7	1,654.4	1,689.2	6.7	5.0	-103.20	-183.0	140.4	219.4	209.0	10.34	21.221				
1,800.0	1,781.7	1,754.2	1,788.1	7.1	5.1	-106.71	-195.6	134.6	224.4	213.6	10.76	20.850				
1,900.0	1,877.7	1,853.2	1,886.1	7.5	5.3	-110.01	-208.1	128.8	230.1	218.9	11.25	20.461				
2,000.0	1,973.7	1,952.1	1,984.1	7.9	5.5	-113.15	-220.6	122.9	236.6	224.9	11.75	20.132				
2,100.0	2,069.8	2,051.1	2,082.1	8.3	5.7	-116.11	-233.0	117.1	243.8	231.5	12.29	19.834				
2,200.0	2,165.8	2,150.1	2,180.1	8.7	5.8	-118.90	-245.5	111.3	251.6	238.7	12.86	19.564				
2,300.0	2,261.8	2,249.0	2,278.1	9.1	6.0	-121.51	-258.0	105.5	259.9	246.5	13.45	19.321				
2,400.0	2,357.8	2,348.0	2,376.1	9.6	6.2	-123.96	-270.5	99.7	268.8	254.7	14.07	19.104				
2,500.0	2,453.9	2,446.9	2,474.1	10.0	6.3	-126.26	-283.0	93.8	278.1	263.4	14.71	18.911				
2,600.0	2,549.9	2,545.9	2,572.1	10.5	6.5	-128.40	-295.4	88.0	287.8	272.5	15.36	18.741				
2,700.0	2,645.9	2,644.9	2,670.1	10.9	6.7	-130.40	-307.9	82.2	297.9	281.9	16.03	18.592				
2,800.0	2,741.9	2,743.8	2,768.1	11.4	6.9	-132.27	-320.4	76.4	308.4	291.7	16.71	18.461				
2,900.0	2,838.0	2,842.8	2,866.1	11.8	7.1	-134.02	-332.9	70.6	319.2	301.8	17.40	18.348				
3,000.0	2,934.0	2,941.7	2,964.1	12.3	7.2	-135.65	-345.4	64.7	330.2	312.1	18.09	18.251				
3,100.0	3,030.0	3,040.7	3,062.1	12.8	7.4	-137.18	-357.9	58.9	341.5	322.7	18.80	18.168				
3,200.0	3,126.0	3,139.7	3,160.1	13.3	7.6	-138.60	-370.3	53.1	353.0	333.5	19.51	18.097				
3,300.0	3,222.1	3,238.6	3,258.1	13.7	7.8	-139.94	-382.8	47.3	364.7	344.5	20.22	18.036				
3,400.0	3,318.1	3,337.6	3,356.1	14.2	8.0	-141.20	-395.3	41.5	376.6	355.7	20.94	17.986				
3,500.0	3,414.1	3,436.5	3,454.1	14.7	8.1	-142.37	-407.8	35.6	388.7	367.0	21.66	17.944				
3,600.0	3,510.1	3,535.5	3,552.1	15.2	8.3	-143.48	-420.3	29.8	400.9	378.5	22.39	17.910				
3,700.0	3,606.2	3,634.5	3,650.1	15.6	8.5	-144.52	-432.7	24.0	413.3	390.2	23.11	17.882				
3,800.0	3,702.2	3,733.4	3,748.0	16.1	8.7	-145.50	-445.2	18.2	425.8	401.9	23.84	17.860				
3,900.0	3,798.2	3,832.4	3,846.0	16.6	8.9	-146.43	-457.7	12.4	438.4	413.8	24.57	17.842				
4,000.0	3,894.2	3,931.3	3,944.0	17.1	9.1	-147.30	-470.2	6.5	451.1	425.8	25.30	17.830				
4,100.0	3,990.3	4,030.3	4,042.0	17.6	9.3	-148.12	-482.7	0.7	463.9	437.9	26.03	17.821				
4,200.0	4,086.3	4,129.3	4,140.0	18.1	9.4	-148.91	-495.2	-5.1	476.8	450.1	26.77	17.815				
4,300.0	4,182.3	4,228.2	4,238.0	18.6	9.6	-149.65	-507.6	-10.9	489.8	462.3	27.50	17.812				
4,400.0	4,278.3	4,327.2	4,336.0	19.1	9.8	-150.35	-520.1	-16.7	502.9	474.6	28.23	17.812				
4,500.0	4,374.3	4,426.1	4,434.0	19.5	10.0	-151.01	-532.6	-22.6	516.0	487.0	28.97	17.813				
4,600.0	4,470.4	4,525.1	4,532.0	20.0	10.2	-151.65	-545.1	-28.4	529.2	499.5	29.70	17.817				
4,700.0	4,566.4	4,624.1	4,630.0	20.5	10.4	-152.25	-557.6	-34.2	542.5	512.0	30.44	17.823				
4,800.0	4,662.4	4,723.0	4,728.0	21.0	10.6	-152.82	-570.1	-40.0	555.8	524.6	31.17	17.829				

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 - _WILD THING FED COM 704H - OWB - PWPO														Offset Site Error:	0.0 usft		
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 9257-r.5 MWD+IFR1+SAG+FDIR														Rule Assigned:		Offset Well Error:	0.0 usft
Measured Reference Depth (usft)	Vertical Depth (usft)	Measured Offset Depth (usft)	Vertical Offset Depth (usft)	Reference	Semi Major Axis 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				
4,900.0	4,758.4	4,822.0	4,826.0	21.5	10.7	-153.37	-582.5	-45.9	569.1	537.2	31.91	17.837					
5,000.0	4,854.5	4,920.9	4,924.0	22.0	10.9	-153.89	-595.0	-51.7	582.6	549.9	32.64	17.846					
5,100.0	4,950.5	5,019.9	5,022.0	22.5	11.1	-154.39	-607.5	-57.5	596.0	562.6	33.38	17.856					
5,200.0	5,046.5	5,118.8	5,120.0	23.0	11.3	-154.87	-620.0	-63.3	609.5	575.4	34.11	17.867					
5,300.0	5,142.5	5,217.8	5,218.0	23.5	11.5	-155.32	-632.5	-69.1	623.1	588.2	34.85	17.878					
5,400.0	5,238.6	5,316.8	5,316.0	24.0	11.7	-155.76	-644.9	-75.0	636.7	601.1	35.59	17.890					
5,500.0	5,334.6	5,415.7	5,414.0	24.5	11.9	-156.18	-657.4	-80.8	650.3	613.9	36.32	17.903					
5,600.0	5,430.6	5,514.7	5,512.0	25.0	12.1	-156.58	-669.9	-86.6	663.9	626.9	37.06	17.915					
5,700.0	5,526.6	5,613.6	5,610.0	25.5	12.3	-156.96	-682.4	-92.4	677.6	639.8	37.79	17.928					
5,800.0	5,622.7	5,712.6	5,708.0	26.0	12.4	-157.33	-694.9	-98.2	691.3	652.8	38.53	17.942					
5,900.0	5,718.7	5,811.6	5,806.0	26.5	12.6	-157.69	-707.4	-104.1	705.0	665.8	39.27	17.955					
6,000.0	5,814.7	5,910.5	5,904.0	27.0	12.8	-158.03	-719.8	-109.9	718.8	678.8	40.00	17.969					
6,100.0	5,910.7	6,009.5	6,002.0	27.5	13.0	-158.36	-732.3	-115.7	732.6	691.8	40.74	17.982					
6,200.0	6,006.8	6,108.4	6,100.0	28.0	13.2	-158.67	-744.8	-121.5	746.4	704.9	41.47	17.996					
6,300.0	6,102.8	6,207.4	6,198.0	28.5	13.4	-158.98	-757.3	-127.3	760.2	718.0	42.21	18.010					
6,400.0	6,198.8	6,300.0	6,289.7	29.0	13.6	-159.25	-769.0	-132.8	774.1	731.2	42.91	18.041					
6,500.0	6,294.8	6,393.4	6,382.2	29.5	13.9	-159.55	-780.0	-137.9	788.8	745.1	43.70	18.050					
6,557.9	6,350.5	6,444.1	6,432.6	29.8	14.0	-159.72	-785.5	-140.5	797.9	753.8	44.08	18.100					
6,600.0	6,390.9	6,481.0	6,469.2	30.0	14.1	-159.88	-789.1	-142.2	804.7	760.3	44.35	18.142					
6,700.0	6,487.4	6,568.3	6,556.1	30.5	14.2	-160.23	-797.0	-145.9	820.7	775.7	45.01	18.234					
6,800.0	6,584.3	6,655.5	6,643.0	30.9	14.4	-160.58	-803.7	-149.0	836.4	790.8	45.64	18.327					
6,900.0	6,681.6	6,742.5	6,729.8	31.4	14.5	-160.92	-809.2	-151.5	851.9	805.7	46.25	18.420					
7,000.0	6,779.3	6,829.3	6,816.4	31.9	14.6	-161.24	-813.5	-153.5	867.2	820.4	46.84	18.515					
7,100.0	6,877.3	6,915.9	6,903.0	32.4	14.8	-161.56	-816.6	-155.0	882.2	834.8	47.40	18.612					
7,200.0	6,975.7	7,000.0	6,987.1	32.8	14.9	-161.86	-818.4	-155.8	897.0	849.1	47.92	18.721					
7,300.0	7,074.4	7,088.6	7,075.7	33.3	15.0	-162.17	-819.2	-156.2	911.6	863.1	48.47	18.808					
7,400.0	7,173.4	7,186.3	7,173.4	33.7	15.1	-162.48	-819.2	-156.2	925.3	873.5	51.81	17.861					
7,500.0	7,272.6	7,285.5	7,272.6	34.1	15.2	-162.75	-819.2	-156.2	937.5	885.0	52.41	17.887					
7,600.0	7,372.0	7,384.9	7,372.0	34.5	15.2	-162.98	-819.2	-156.2	947.9	895.0	52.98	17.893					
7,700.0	7,471.5	7,484.5	7,471.5	34.9	15.2	-163.17	-819.2	-156.2	956.8	903.2	53.52	17.877					
7,800.0	7,571.3	7,584.2	7,571.3	35.3	15.3	-163.32	-819.2	-156.2	963.9	909.9	54.03	17.840					
7,900.0	7,671.1	7,684.0	7,671.1	35.7	15.3	-163.43	-819.2	-156.2	969.4	914.9	54.51	17.783					
8,000.0	7,771.0	7,783.9	7,771.0	36.0	15.3	-163.51	-819.2	-156.2	973.2	918.3	54.95	17.710					
8,100.0	7,871.0	7,883.9	7,871.0	36.3	15.4	-163.55	-819.2	-156.2	975.4	920.1	55.34	17.626					
8,179.0	7,950.0	7,962.9	7,950.0	36.4	15.4	46.58	-819.2	-156.2	975.9	923.1	52.82	18.477					
8,186.5	7,957.5	7,970.4	7,957.5	36.4	15.4	46.58	-819.2	-156.2	975.9	923.1	52.82	18.477					
8,200.0	7,971.0	7,983.9	7,971.0	36.4	15.4	47.03	-819.2	-156.2	975.8	923.0	52.78	18.489					
8,225.0	7,995.9	8,008.9	7,995.9	36.4	15.4	47.17	-819.2	-156.2	974.9	922.2	52.68	18.504					
8,250.0	8,020.8	8,033.7	8,020.8	36.4	15.4	47.45	-819.2	-156.2	973.1	920.5	52.57	18.509					
8,275.0	8,045.5	8,058.4	8,045.5	36.4	15.4	47.86	-819.2	-156.2	970.4	917.9	52.43	18.508					
8,300.0	8,069.9	8,082.8	8,069.9	36.4	15.4	48.41	-819.2	-156.2	966.8	914.6	52.25	18.503					
8,325.0	8,094.0	8,107.0	8,094.0	36.4	15.4	49.09	-819.2	-156.2	962.4	910.4	52.04	18.494					
8,350.0	8,117.8	8,130.7	8,117.8	36.4	15.4	49.92	-819.2	-156.2	957.2	905.5	51.78	18.485					
8,375.0	8,141.1	8,154.0	8,141.1	36.4	15.4	50.89	-819.2	-156.2	951.3	899.8	51.48	18.478					
8,400.0	8,163.9	8,176.9	8,163.9	36.4	15.5	52.00	-819.2	-156.2	944.5	893.4	51.13	18.474					
8,425.0	8,186.2	8,199.1	8,186.2	36.4	15.5	53.26	-819.2	-156.2	937.1	886.4	50.72	18.475					
8,450.0	8,207.8	8,220.7	8,207.8	36.4	15.5	54.66	-819.2	-156.2	929.1	878.8	50.27	18.483					
8,475.0	8,228.7	8,241.7	8,228.7	36.4	15.5	56.19	-819.2	-156.2	920.4	870.6	49.76	18.495					
8,500.0	8,248.9	8,261.9	8,248.9	36.4	15.5	57.86	-819.2	-156.2	911.1	861.9	49.23	18.507					
8,525.0	8,268.3	8,281.3	8,268.3	36.4	15.5	59.66	-819.2	-156.2	901.4	852.7	48.70	18.510					
8,550.0	8,286.9	8,299.8	8,286.9	36.4	15.5	61.58	-819.2	-156.2	891.3	843.1	48.19	18.495					

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 - _WILD THING FED COM 704H - OWB - PWPO													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 9257-r.5 MWD+IFR1+SAG+FDIR													Offset Well Error:	0.0 usft
Reference							Rule Assigned:						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor		
8,575.0	8,304.5	8,317.4	8,304.5	36.4	15.5	63.60	-819.2	-156.2	880.8	833.1	47.74	18.449		
8,600.0	8,321.2	8,334.1	8,321.2	36.4	15.5	65.71	-819.2	-156.2	870.0	822.7	47.37	18.365		
8,625.0	8,336.9	8,349.8	8,336.9	36.4	15.5	67.88	-819.2	-156.2	859.1	812.0	47.09	18.242		
8,650.0	8,351.5	8,364.5	8,351.5	36.4	15.5	70.10	-819.2	-156.2	848.0	801.1	46.88	18.086		
8,675.0	8,365.1	8,378.0	8,365.1	36.4	15.5	72.33	-819.2	-156.2	836.8	790.1	46.73	17.908		
8,700.0	8,377.6	8,390.5	8,377.6	36.4	15.5	74.56	-819.2	-156.2	825.7	779.1	46.60	17.719		
8,725.0	8,388.9	8,401.8	8,388.9	36.4	15.5	76.73	-819.2	-156.2	814.7	768.3	46.48	17.530		
8,750.0	8,399.0	8,411.9	8,399.0	36.4	15.5	78.84	-819.2	-156.2	804.0	757.6	46.34	17.350		
8,775.0	8,407.9	8,420.8	8,407.9	36.5	15.5	80.85	-819.2	-156.2	793.5	747.3	46.17	17.186		
8,800.0	8,415.6	8,428.5	8,415.6	36.5	15.5	82.74	-819.2	-156.2	783.4	737.4	45.98	17.039		
8,825.0	8,422.0	8,434.9	8,422.0	36.5	15.5	84.47	-819.2	-156.2	773.8	728.0	45.75	16.915		
8,850.0	8,427.1	8,440.1	8,427.1	36.5	15.5	86.04	-819.2	-156.2	764.7	719.2	45.48	16.813		
8,875.0	8,431.0	8,443.9	8,431.0	36.5	15.5	87.43	-819.2	-156.2	756.2	711.0	45.18	16.735		
8,900.0	8,433.6	8,446.5	8,433.6	36.5	15.5	88.62	-819.2	-156.2	748.3	703.5	44.86	16.683		
8,925.0	8,434.8	8,447.7	8,434.8	36.5	15.5	89.61	-819.2	-156.2	741.2	696.7	44.50	16.659		
8,936.1	8,435.0	8,447.9	8,435.0	36.5	15.5	89.99	-819.2	-156.2	738.3	694.0	44.32	16.657 SF		
9,000.0	8,435.0	8,447.9	8,435.0	36.5	15.5	89.99	-819.2	-156.2	724.7	681.7	42.92	16.884		
9,100.0	8,435.1	8,448.0	8,435.1	36.5	15.5	90.00	-819.2	-156.2	714.3	673.8	40.47	17.651		
9,124.0	8,435.1	8,448.1	8,435.1	36.5	15.5	90.00	-819.2	-156.2	713.9	674.0	39.87	17.907		
9,200.0	8,435.2	8,448.1	8,435.2	36.6	15.5	90.01	-819.2	-156.2	717.9	679.9	38.00	18.891		
9,300.0	8,435.3	8,448.2	8,435.3	36.6	15.5	90.01	-819.2	-156.2	735.1	699.2	35.91	20.471		
9,400.0	8,435.4	8,448.3	8,435.4	36.6	15.5	90.02	-819.2	-156.2	765.2	730.7	34.52	22.168		
9,500.0	8,435.5	8,448.4	8,435.5	36.7	15.5	90.03	-819.2	-156.2	806.6	772.7	33.93	23.775		
9,600.0	8,435.6	8,448.5	8,435.6	36.8	15.5	90.03	-819.2	-156.2	857.8	823.7	34.03	25.208		
9,700.0	8,435.7	8,448.6	8,435.7	36.8	15.5	90.04	-819.2	-156.2	917.0	882.4	34.61	26.496		
9,800.0	8,435.8	8,448.7	8,435.8	36.9	15.5	90.05	-819.2	-156.2	982.8	947.4	35.46	27.716		

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 - _WILD THING FED COM 705H - OWB - PWPO													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		Distance		Rule Assigned:		Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor			
0.0	0.0	0.0	37.0	0.0	0.0	141.05	-155.7	125.8	203.6						
100.0	100.0	63.0	100.0	0.8	0.8	141.05	-155.7	125.8	200.2	198.2	2.02	99.177			
200.0	200.0	163.0	200.0	1.4	1.5	141.05	-155.7	125.8	200.2	196.8	3.44	58.269			
300.0	300.0	263.0	300.0	1.9	2.0	141.05	-155.7	125.8	200.2	195.9	4.30	46.515			
400.0	400.0	363.0	400.0	2.2	2.3	141.05	-155.7	125.8	200.2	195.2	5.01	39.958			
500.0	500.0	463.0	500.0	2.6	2.6	141.05	-155.7	125.8	200.2	194.6	5.62	35.597			
600.0	600.0	563.0	600.0	2.8	2.9	141.05	-155.7	125.8	200.2	194.0	6.18	32.416			
700.0	700.0	663.0	700.0	3.1	3.2	141.05	-155.7	125.8	200.2	193.5	6.68	29.958			
800.0	800.0	763.0	800.0	3.3	3.4	141.05	-155.7	125.8	200.2	193.0	7.15	27.982			
900.0	900.0	863.0	900.0	3.7	3.6	-69.56	-155.7	125.8	199.6	192.0	7.60	26.255			
1,000.0	999.8	962.8	999.8	4.0	3.8	-71.01	-155.7	125.8	197.8	189.8	8.01	24.693			
1,100.0	1,099.5	1,062.6	1,099.6	4.4	4.0	-73.33	-156.0	125.4	195.1	186.7	8.40	23.241			
1,200.0	1,198.7	1,162.6	1,199.6	4.7	4.3	-76.02	-157.9	123.2	191.6	182.9	8.74	21.925			
1,300.0	1,297.5	1,262.7	1,299.5	5.1	4.5	-79.07	-161.5	118.9	187.5	178.4	9.07	20.662			
1,400.0	1,395.6	1,362.9	1,399.3	5.5	4.8	-82.54	-166.7	112.6	182.8	173.4	9.40	19.440			
1,500.0	1,493.1	1,463.2	1,499.1	5.9	5.1	-86.49	-173.6	104.3	177.9	168.1	9.75	18.250			
1,600.0	1,589.6	1,563.6	1,598.6	6.3	5.4	-90.99	-182.2	93.9	172.9	162.8	10.12	17.081			
1,610.5	1,599.8	1,574.2	1,609.0	6.4	5.4	-91.50	-183.2	92.7	172.4	162.3	10.15	16.981			
1,700.0	1,685.7	1,664.3	1,698.0	6.7	5.7	-95.54	-192.5	81.5	168.1	157.5	10.59	15.877			
1,800.0	1,781.7	1,764.2	1,796.2	7.1	6.0	-99.66	-204.0	67.6	163.4	152.3	11.08	14.752			
1,900.0	1,877.7	1,863.4	1,893.7	7.5	6.4	-103.91	-215.6	53.7	159.5	147.8	11.64	13.703			
2,000.0	1,973.7	1,962.6	1,991.3	7.9	6.7	-108.35	-227.1	39.8	156.5	144.2	12.29	12.734			
2,100.0	2,069.8	2,061.8	2,088.8	8.3	7.1	-112.93	-238.7	25.9	154.5	141.4	13.03	11.852			
2,200.0	2,165.8	2,161.0	2,186.3	8.7	7.4	-117.60	-250.2	12.0	153.5	139.6	13.87	11.064			
2,244.0	2,208.0	2,204.6	2,229.2	8.9	7.6	-119.67	-255.3	5.9	153.4	139.1	14.27	10.749 CC			
2,300.0	2,261.8	2,260.1	2,283.9	9.1	7.8	-122.30	-261.8	-1.9	153.5	138.7	14.80	10.376 ES			
2,400.0	2,357.8	2,359.3	2,381.4	9.6	8.2	-126.97	-273.3	-15.8	154.6	138.8	15.79	9.791			
2,500.0	2,453.9	2,458.5	2,478.9	10.0	8.6	-131.54	-284.9	-29.7	156.8	139.9	16.84	9.308			
2,600.0	2,549.9	2,557.7	2,576.5	10.5	9.0	-135.96	-296.4	-43.6	159.9	142.0	17.92	8.920			
2,700.0	2,645.9	2,656.9	2,674.0	10.9	9.4	-140.19	-308.0	-57.5	163.9	144.9	19.02	8.618			
2,800.0	2,741.9	2,756.1	2,771.5	11.4	9.8	-144.20	-319.5	-71.4	168.8	148.7	20.12	8.392			
2,900.0	2,838.0	2,855.3	2,869.0	11.8	10.2	-147.97	-331.0	-85.4	174.5	153.3	21.20	8.231			
3,000.0	2,934.0	2,954.5	2,966.6	12.3	10.6	-151.49	-342.6	-99.3	180.9	158.6	22.27	8.124			
3,100.0	3,030.0	3,053.7	3,064.1	12.8	11.0	-154.76	-354.1	-113.2	187.9	164.6	23.31	8.062			
3,200.0	3,126.0	3,152.9	3,161.6	13.3	11.5	-157.79	-365.7	-127.1	195.5	171.2	24.33	8.038			
3,300.0	3,222.1	3,252.1	3,259.2	13.7	11.9	-160.58	-377.2	-141.0	203.6	178.3	25.32	8.043			
3,400.0	3,318.1	3,351.3	3,356.7	14.2	12.3	-163.16	-388.8	-154.9	212.2	185.9	26.29	8.072			
3,500.0	3,414.1	3,450.5	3,454.2	14.7	12.7	-165.54	-400.3	-168.8	221.2	193.9	27.24	8.121			
3,600.0	3,510.1	3,549.6	3,551.8	15.2	13.2	-167.73	-411.9	-182.7	230.5	202.3	28.16	8.184			
3,700.0	3,606.2	3,648.8	3,649.3	15.6	13.6	-169.74	-423.4	-196.6	240.1	211.0	29.07	8.259			
3,800.0	3,702.2	3,748.0	3,746.8	16.1	14.0	-171.61	-435.0	-210.5	250.0	220.0	29.96	8.344			
3,900.0	3,798.2	3,847.2	3,844.4	16.6	14.5	-173.32	-446.5	-224.4	260.1	229.3	30.84	8.435			
4,000.0	3,894.2	3,946.4	3,941.9	17.1	14.9	-174.91	-458.1	-238.3	270.5	238.8	31.70	8.532			
4,100.0	3,990.3	4,045.6	4,039.4	17.6	15.4	-176.39	-469.6	-252.3	281.0	248.5	32.55	8.632			
4,200.0	4,086.3	4,144.8	4,136.9	18.1	15.8	-177.75	-481.2	-266.2	291.7	258.3	33.40	8.735			
4,300.0	4,182.3	4,244.0	4,234.5	18.6	16.2	-179.02	-492.7	-280.1	302.6	268.4	34.23	8.839			
4,400.0	4,278.3	4,343.2	4,332.0	19.1	16.7	179.80	-504.2	-294.0	313.6	278.5	35.06	8.944			
4,500.0	4,374.3	4,442.4	4,429.5	19.5	17.1	178.70	-515.8	-307.9	324.7	288.8	35.88	9.049			
4,600.0	4,470.4	4,541.6	4,527.1	20.0	17.6	177.68	-527.3	-321.8	336.0	299.3	36.70	9.154			
4,700.0	4,566.4	4,640.8	4,624.6	20.5	18.0	176.72	-538.9	-335.7	347.3	309.8	37.51	9.258			
4,800.0	4,662.4	4,739.9	4,722.1	21.0	18.4	175.82	-550.4	-349.6	358.7	320.4	38.32	9.361			

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 - _WILD THING FED COM 705H - OWB - PWPO													Offset Site Error: 0.0 usft				
Survey Program: 0-r.5 MWD+IFR1+MS											Rule Assigned:		Offset Well Error: 0.0 usft				
Reference				Offset				Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)						
4,900.0	4,758.4	4,839.1	4,819.7	21.5	18.9	174.97	-562.0	-363.5	370.2	331.1	39.13	9.463					
5,000.0	4,854.5	4,938.3	4,917.2	22.0	19.3	174.18	-573.5	-377.4	381.8	341.9	39.93	9.563					
5,100.0	4,950.5	5,037.5	5,014.7	22.5	19.8	173.43	-585.1	-391.3	393.5	352.7	40.73	9.661					
5,200.0	5,046.5	5,136.7	5,112.3	23.0	20.2	172.73	-596.6	-405.2	405.2	363.7	41.52	9.758					
5,300.0	5,142.5	5,235.9	5,209.8	23.5	20.7	172.07	-608.2	-419.1	416.9	374.6	42.32	9.853					
5,400.0	5,238.6	5,335.1	5,307.3	24.0	21.1	171.44	-619.7	-433.1	428.8	385.7	43.11	9.946					
5,500.0	5,334.6	5,434.3	5,404.8	24.5	21.6	170.84	-631.3	-447.0	440.6	396.7	43.90	10.038					
5,600.0	5,430.6	5,533.5	5,502.4	25.0	22.0	170.28	-642.8	-460.9	452.6	407.9	44.69	10.127					
5,700.0	5,526.6	5,632.7	5,599.9	25.5	22.5	169.75	-654.3	-474.8	464.5	419.0	45.48	10.214					
5,800.0	5,622.7	5,731.9	5,697.4	26.0	22.9	169.24	-665.9	-488.7	476.5	430.2	46.26	10.300					
5,900.0	5,718.7	5,831.1	5,795.0	26.5	23.4	168.76	-677.4	-502.6	488.5	441.5	47.05	10.383					
6,000.0	5,814.7	5,930.2	5,892.5	27.0	23.8	168.30	-689.0	-516.5	500.6	452.8	47.84	10.465					
6,100.0	5,910.7	6,029.4	5,990.0	27.5	24.3	167.86	-700.5	-530.4	512.7	464.1	48.62	10.545					
6,200.0	6,006.8	6,128.6	6,087.6	28.0	24.7	167.45	-712.1	-544.3	524.8	475.4	49.40	10.623					
6,300.0	6,102.8	6,224.2	6,181.6	28.5	25.1	167.07	-723.1	-557.6	537.1	487.0	50.15	10.710					
6,400.0	6,198.8	6,316.0	6,272.1	29.0	25.6	166.80	-732.9	-569.3	550.6	499.7	50.88	10.821					
6,500.0	6,294.8	6,407.4	6,362.4	29.5	26.0	166.63	-741.7	-579.9	565.4	513.8	51.62	10.955					
6,557.9	6,350.5	6,460.2	6,414.7	29.8	26.2	166.57	-746.3	-585.6	574.6	522.6	52.03	11.043					
6,600.0	6,390.9	6,500.0	6,454.2	30.0	26.4	166.55	-749.6	-589.6	581.4	529.1	52.35	11.106					
6,700.0	6,487.4	6,589.4	6,542.9	30.5	26.7	166.55	-756.4	-597.8	597.4	544.3	53.06	11.258					
6,800.0	6,584.3	6,680.2	6,633.2	30.9	27.1	166.59	-762.4	-605.0	612.9	559.1	53.77	11.399					
6,900.0	6,681.6	6,770.8	6,723.5	31.4	27.4	166.67	-767.5	-611.1	628.1	573.6	54.46	11.534					
7,000.0	6,779.3	6,861.3	6,813.8	31.9	27.8	166.78	-771.7	-616.1	642.9	587.8	55.12	11.663					
7,100.0	6,877.3	6,951.7	6,904.0	32.4	28.1	166.93	-774.9	-620.0	657.3	601.6	55.77	11.788					
7,200.0	6,975.7	7,041.9	6,994.1	32.8	28.4	167.10	-777.3	-622.8	671.4	615.0	56.38	11.909					
7,300.0	7,074.4	7,132.0	7,084.2	33.3	28.6	167.31	-778.7	-624.6	685.1	628.1	56.95	12.029					
7,400.0	7,173.4	7,221.9	7,174.1	33.7	28.8	167.53	-779.2	-625.2	698.4	640.8	57.62	12.121					
7,500.0	7,272.6	7,320.3	7,272.6	34.1	28.8	167.78	-779.2	-625.2	710.8	650.6	60.21	11.805					
7,600.0	7,372.0	7,419.7	7,372.0	34.5	28.9	167.99	-779.2	-625.2	721.5	660.8	60.75	11.878					
7,700.0	7,471.5	7,519.3	7,471.5	34.9	28.9	168.15	-779.2	-625.2	730.5	669.3	61.25	11.927					
7,800.0	7,571.3	7,619.0	7,571.3	35.3	28.9	168.29	-779.2	-625.2	737.9	676.1	61.73	11.953					
7,900.0	7,671.1	7,718.9	7,671.1	35.7	28.9	168.39	-779.2	-625.2	743.5	681.3	62.18	11.958					
8,000.0	7,771.0	7,818.8	7,771.0	36.0	28.9	168.46	-779.2	-625.2	747.4	684.8	62.58	11.943					
8,100.0	7,871.0	7,918.8	7,871.0	36.3	29.0	168.50	-779.2	-625.2	749.6	686.7	62.94	11.911					
8,179.0	7,950.0	7,997.8	7,950.0	36.4	29.0	18.64	-779.2	-625.2	750.1	689.2	60.94	12.310					
8,186.5	7,957.5	8,005.3	7,957.5	36.4	29.0	18.64	-779.2	-625.2	750.1	689.2	60.94	12.309					
8,200.0	7,971.0	8,018.8	7,971.0	36.4	29.0	19.09	-779.2	-625.2	750.0	689.1	60.91	12.312					
8,225.0	7,995.9	8,043.7	7,995.9	36.4	29.0	19.18	-779.2	-625.2	748.7	687.8	60.88	12.298					
8,250.0	8,020.8	8,068.6	8,020.8	36.4	29.0	19.34	-779.2	-625.2	746.2	685.3	60.85	12.263					
8,275.0	8,045.5	8,093.3	8,045.5	36.4	29.0	19.60	-779.2	-625.2	742.4	681.6	60.82	12.208					
8,300.0	8,069.9	8,117.7	8,069.9	36.4	29.0	19.94	-779.2	-625.2	737.5	676.7	60.78	12.133					
8,325.0	8,094.0	8,141.8	8,094.0	36.4	29.0	20.38	-779.2	-625.2	731.3	670.6	60.75	12.039					
8,350.0	8,117.8	8,165.6	8,117.8	36.4	29.0	20.91	-779.2	-625.2	724.0	663.3	60.71	11.925					
8,375.0	8,141.1	8,188.9	8,141.1	36.4	29.0	21.56	-779.2	-625.2	715.5	654.9	60.67	11.794					
8,400.0	8,163.9	8,211.7	8,163.9	36.4	29.0	22.33	-779.2	-625.2	706.0	645.3	60.63	11.643					
8,425.0	8,186.2	8,234.0	8,186.2	36.4	29.0	23.24	-779.2	-625.2	695.3	634.7	60.59	11.475					
8,450.0	8,207.8	8,255.6	8,207.8	36.4	29.0	24.29	-779.2	-625.2	683.6	623.0	60.55	11.288					
8,475.0	8,228.7	8,276.5	8,228.7	36.4	29.0	25.51	-779.2	-625.2	670.8	610.3	60.52	11.084					
8,500.0	8,248.9	8,296.7	8,248.9	36.4	29.0	26.92	-779.2	-625.2	657.1	596.6	60.50	10.861					
8,525.0	8,268.3	8,316.1	8,268.3	36.4	29.0	28.54	-779.2	-625.2	642.5	582.0	60.50	10.620					
8,550.0	8,286.9	8,334.7	8,286.9	36.4	29.1	30.41	-779.2	-625.2	627.1	566.5	60.52	10.362					

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 - _WILD THING FED COM 705H - OWB - PWPO													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+MS													Offset Well Error:	0.0 usft
Reference				Semi Major Axis		Highside		Offset Wellbore Centre		Distance			Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)			
8,575.0	8,304.5	8,352.3	8,304.5	36.4	29.1	32.54	-779.2	-625.2	610.8	550.2	60.56	10.085		
8,600.0	8,321.2	8,369.0	8,321.2	36.4	29.1	34.99	-779.2	-625.2	593.8	533.2	60.64	9.792		
8,625.0	8,336.9	8,384.7	8,336.9	36.4	29.1	37.77	-779.2	-625.2	576.1	515.4	60.75	9.484		
8,650.0	8,351.5	8,399.3	8,351.5	36.4	29.1	40.91	-779.2	-625.2	557.9	497.0	60.89	9.162		
8,675.0	8,365.1	8,412.9	8,365.1	36.4	29.1	44.44	-779.2	-625.2	539.1	478.0	61.06	8.830		
8,700.0	8,377.6	8,425.4	8,377.6	36.4	29.1	48.37	-779.2	-625.2	519.9	458.6	61.25	8.489		
8,725.0	8,388.9	8,436.7	8,388.9	36.4	29.1	52.68	-779.2	-625.2	500.3	438.9	61.45	8.142		
8,750.0	8,399.0	8,446.8	8,399.0	36.4	29.1	57.31	-779.2	-625.2	480.6	418.9	61.67	7.792		
8,775.0	8,407.9	8,455.7	8,407.9	36.5	29.1	62.18	-779.2	-625.2	460.6	398.7	61.89	7.442		
8,800.0	8,415.6	8,463.4	8,415.6	36.5	29.1	67.16	-779.2	-625.2	440.7	378.6	62.11	7.095		
8,825.0	8,422.0	8,469.8	8,422.0	36.5	29.1	72.11	-779.2	-625.2	420.8	358.5	62.30	6.754		
8,850.0	8,427.1	8,474.9	8,427.1	36.5	29.1	76.87	-779.2	-625.2	401.2	338.7	62.46	6.423		
8,875.0	8,431.0	8,478.8	8,431.0	36.5	29.1	81.28	-779.2	-625.2	381.9	319.4	62.58	6.103		
8,900.0	8,433.6	8,481.3	8,433.6	36.5	29.1	85.23	-779.2	-625.2	363.2	300.6	62.62	5.800		
8,925.0	8,434.8	8,482.6	8,434.8	36.5	29.1	88.63	-779.2	-625.2	345.2	282.6	62.57	5.517		
8,936.1	8,435.0	8,482.7	8,435.0	36.5	29.1	89.95	-779.2	-625.2	337.5	275.0	62.51	5.400		
9,000.0	8,435.0	8,482.8	8,435.0	36.5	29.1	89.96	-779.2	-625.2	297.2	236.0	61.29	4.850		
9,100.0	8,435.1	8,482.9	8,435.1	36.5	29.1	89.99	-779.2	-625.2	254.5	198.8	55.62	4.575 SF		
9,168.0	8,435.2	8,483.0	8,435.2	36.6	29.1	90.00	-779.2	-625.2	245.2	196.5	48.75	5.030		
9,200.0	8,435.2	8,483.0	8,435.2	36.6	29.1	90.01	-779.2	-625.2	247.3	202.1	45.18	5.474		
9,300.0	8,435.3	8,483.1	8,435.3	36.6	29.1	90.03	-779.2	-625.2	278.5	241.4	37.07	7.512		
9,400.0	8,435.4	8,483.2	8,435.4	36.6	29.1	90.05	-779.2	-625.2	337.6	301.5	36.06	9.362		
9,500.0	8,435.5	8,483.3	8,435.5	36.7	29.1	90.07	-779.2	-625.2	412.7	374.4	38.35	10.763		
9,600.0	8,435.6	8,483.4	8,435.6	36.8	29.1	90.09	-779.2	-625.2	496.8	455.8	40.95	12.131		
9,700.0	8,435.7	8,483.4	8,435.7	36.8	29.1	90.11	-779.2	-625.2	585.8	542.7	43.12	13.585		
9,800.0	8,435.8	8,483.5	8,435.8	36.9	29.1	90.14	-779.2	-625.2	677.9	633.1	44.83	15.123		
9,900.0	8,435.8	8,483.6	8,435.8	37.0	29.1	90.16	-779.2	-625.2	772.0	725.8	46.16	16.724		
10,000.0	8,435.9	8,483.7	8,435.9	37.1	29.1	90.18	-779.2	-625.2	867.4	820.2	47.22	18.371		
10,100.0	8,436.0	8,483.8	8,436.0	37.1	29.1	90.20	-779.2	-625.2	963.7	915.7	48.06	20.053		

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 - _WILD THING FED COM 706H - OWB - PWPO														Offset Site Error:	0.0 usft		
Survey Program: 0-r.5 MWD+IFR1+MS														Rule Assigned:		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)							
3,400.0	3,318.1	3,336.2	3,353.9	14.2	11.8	51.31	-706.1	-1,288.0	996.3	976.4	19.89	50.091					
3,500.0	3,414.1	3,433.5	3,450.3	14.7	12.2	51.80	-718.4	-1,282.3	974.8	954.4	20.41	47.757					
3,600.0	3,510.1	3,530.8	3,546.7	15.2	12.6	52.32	-730.7	-1,276.6	953.4	932.5	20.93	45.545					
3,700.0	3,606.2	3,628.1	3,643.0	15.6	13.0	52.86	-742.9	-1,270.9	932.1	910.7	21.45	43.447					
3,800.0	3,702.2	3,725.4	3,739.4	16.1	13.4	53.43	-755.2	-1,265.1	910.9	888.9	21.97	41.454					
3,900.0	3,798.2	3,822.8	3,835.7	16.6	13.8	54.02	-767.5	-1,259.4	889.8	867.3	22.49	39.560					
4,000.0	3,894.2	3,920.1	3,932.1	17.1	14.2	54.65	-779.7	-1,253.7	868.7	845.7	23.01	37.757					
4,100.0	3,990.3	4,017.4	4,028.5	17.6	14.6	55.30	-792.0	-1,248.0	847.8	824.3	23.52	36.041					
4,200.0	4,086.3	4,114.7	4,124.8	18.1	15.0	55.99	-804.3	-1,242.2	827.0	802.9	24.04	34.405					
4,300.0	4,182.3	4,212.0	4,221.2	18.6	15.4	56.71	-816.6	-1,236.5	806.2	781.7	24.55	32.844					
4,400.0	4,278.3	4,309.3	4,317.6	19.1	15.8	57.46	-828.8	-1,230.8	785.7	760.6	25.06	31.353					
4,500.0	4,374.3	4,406.6	4,413.9	19.5	16.2	58.26	-841.1	-1,225.1	765.2	739.7	25.57	29.928					
4,600.0	4,470.4	4,503.9	4,510.3	20.0	16.6	59.10	-853.4	-1,219.3	745.0	718.9	26.08	28.566					
4,700.0	4,566.4	4,597.9	4,603.4	20.5	17.0	59.99	-864.9	-1,214.0	725.0	698.4	26.57	27.285					
4,800.0	4,662.4	4,690.4	4,695.2	21.0	17.4	61.01	-874.9	-1,209.3	705.9	678.8	27.09	26.060					
4,900.0	4,758.4	4,782.8	4,787.1	21.5	17.7	62.20	-883.6	-1,205.3	687.7	660.1	27.59	24.921					
5,000.0	4,854.5	4,874.9	4,878.9	22.0	18.1	63.56	-890.9	-1,201.9	670.5	642.4	28.10	23.863					
5,100.0	4,950.5	4,966.8	4,970.6	22.5	18.4	65.09	-896.9	-1,199.1	654.6	626.0	28.60	22.885					
5,200.0	5,046.5	5,058.5	5,062.1	23.0	18.7	66.80	-901.5	-1,196.9	640.0	610.9	29.11	21.985					
5,300.0	5,142.5	5,149.7	5,153.3	23.5	19.0	68.68	-904.7	-1,195.4	626.9	597.3	29.63	21.162					
5,400.0	5,238.6	5,240.6	5,244.1	24.0	19.3	70.73	-906.7	-1,194.5	615.5	585.4	30.15	20.418					
5,500.0	5,334.6	5,331.1	5,334.6	24.5	19.5	72.94	-907.3	-1,194.2	606.0	575.4	30.65	19.774					
5,600.0	5,430.6	5,427.1	5,430.6	25.0	19.5	75.40	-907.3	-1,194.2	598.1	567.0	31.07	19.251					
5,700.0	5,526.6	5,523.1	5,526.6	25.5	19.5	77.92	-907.3	-1,194.2	591.4	559.9	31.53	18.756					
5,800.0	5,622.7	5,619.2	5,622.7	26.0	19.5	80.48	-907.3	-1,194.2	586.0	553.9	32.03	18.296					
5,900.0	5,718.7	5,715.2	5,718.7	26.5	19.6	83.09	-907.3	-1,194.2	581.8	549.3	32.56	17.869					
6,000.0	5,814.7	5,811.2	5,814.7	27.0	19.6	85.73	-907.3	-1,194.2	579.0	545.8	33.13	17.474					
6,100.0	5,910.7	5,907.2	5,910.7	27.5	19.6	88.38	-907.3	-1,194.2	577.5	543.7	33.75	17.109					
6,161.0	5,969.3	5,965.8	5,969.3	27.8	19.6	90.00	-907.3	-1,194.2	577.2	543.1	34.15	16.902					
6,200.0	6,006.8	6,003.3	6,006.8	28.0	19.7	91.04	-907.3	-1,194.2	577.3	542.9	34.42	16.775					
6,300.0	6,102.8	6,099.3	6,102.8	28.5	19.7	93.69	-907.3	-1,194.2	578.5	543.4	35.13	16.470					
6,400.0	6,198.8	6,195.3	6,198.8	29.0	19.7	96.33	-907.3	-1,194.2	581.1	545.2	35.88	16.194					
6,500.0	6,294.8	6,291.3	6,294.8	29.5	19.7	98.95	-907.3	-1,194.2	584.9	548.3	36.68	15.946					
6,557.9	6,350.5	6,347.0	6,350.5	29.8	19.8	100.45	-907.3	-1,194.2	587.8	550.6	37.15	15.821					
6,600.0	6,390.9	6,387.4	6,390.9	30.0	19.8	101.53	-907.3	-1,194.2	590.1	552.6	37.50	15.737					
6,700.0	6,487.4	6,483.9	6,487.4	30.5	19.8	103.99	-907.3	-1,194.2	596.1	557.8	38.33	15.553					
6,800.0	6,584.3	6,580.8	6,584.3	30.9	19.8	106.27	-907.3	-1,194.2	602.7	563.6	39.14	15.399					
6,900.0	6,681.6	6,678.1	6,681.6	31.4	19.9	108.36	-907.3	-1,194.2	609.8	569.8	39.93	15.270					
7,000.0	6,779.3	6,775.8	6,779.3	31.9	19.9	110.27	-907.3	-1,194.2	616.9	576.3	40.69	15.162					
7,100.0	6,877.3	6,873.8	6,877.3	32.4	19.9	111.99	-907.3	-1,194.2	624.1	582.7	41.41	15.070					
7,200.0	6,975.7	6,972.2	6,975.7	32.8	20.0	113.54	-907.3	-1,194.2	631.1	589.0	42.10	14.990					
7,300.0	7,074.4	7,070.9	7,074.4	33.3	20.0	114.92	-907.3	-1,194.2	637.8	595.1	42.75	14.919					
7,400.0	7,173.4	7,169.9	7,173.4	33.7	20.0	116.13	-907.3	-1,194.2	644.1	600.7	43.36	14.855					
7,500.0	7,272.6	7,269.1	7,272.6	34.1	20.1	117.18	-907.3	-1,194.2	649.8	605.9	43.92	14.794					
7,600.0	7,372.0	7,368.5	7,372.0	34.5	20.1	118.07	-907.3	-1,194.2	654.9	610.5	44.44	14.737					
7,700.0	7,471.5	7,468.0	7,471.5	34.9	20.1	118.81	-907.3	-1,194.2	659.3	614.4	44.91	14.680					
7,800.0	7,571.3	7,567.8	7,571.3	35.3	20.2	119.41	-907.3	-1,194.2	663.0	617.6	45.34	14.624					
7,900.0	7,671.1	7,667.6	7,671.1	35.7	20.2	119.86	-907.3	-1,194.2	665.8	620.1	45.70	14.568					
8,000.0	7,771.0	7,767.5	7,771.0	36.0	20.2	120.18	-907.3	-1,194.2	667.8	621.8	46.02	14.513					
8,100.0	7,871.0	7,867.5	7,871.0	36.3	20.3	120.35	-907.3	-1,194.2	669.0	622.7	46.27	14.459					
8,179.0	7,950.0	7,946.5	7,950.0	36.4	20.3	-29.47	-907.3	-1,194.2	669.2	623.5	45.70	14.643					

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 - _WILD THING FED COM 706H - OWB - PWPO														Offset Site Error:	0.0 usft		
Survey Program: 0-r.5 MWD+IFR1+MS														Rule Assigned:		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)							
8,186.5	7,957.5	7,954.0	7,957.5	36.4	20.3	-29.47	-907.3	-1,194.2	669.2	623.5	45.71	14.642					
8,200.0	7,971.0	7,967.5	7,971.0	36.4	20.3	-29.05	-907.3	-1,194.2	669.1	623.4	45.69	14.645					
8,225.0	7,995.9	7,992.4	7,995.9	36.4	20.3	-29.17	-907.3	-1,194.2	667.9	622.2	45.66	14.629					
8,250.0	8,020.8	8,017.3	8,020.8	36.4	20.3	-29.42	-907.3	-1,194.2	665.6	620.0	45.60	14.595					
8,275.0	8,045.5	8,042.0	8,045.5	36.4	20.3	-29.80	-907.3	-1,194.2	662.1	616.6	45.52	14.546					
8,300.0	8,069.9	8,066.4	8,069.9	36.4	20.3	-30.30	-907.3	-1,194.2	657.5	612.1	45.41	14.480					
8,325.0	8,094.0	8,090.5	8,094.0	36.4	20.3	-30.95	-907.3	-1,194.2	651.9	606.6	45.27	14.401					
8,350.0	8,117.8	8,114.3	8,117.8	36.4	20.4	-31.74	-907.3	-1,194.2	645.1	600.1	45.08	14.310					
8,375.0	8,141.1	8,137.6	8,141.1	36.4	20.4	-32.68	-907.3	-1,194.2	637.4	592.5	44.86	14.209					
8,400.0	8,163.9	8,160.4	8,163.9	36.4	20.4	-33.79	-907.3	-1,194.2	628.6	584.0	44.58	14.102					
8,425.0	8,186.2	8,182.7	8,186.2	36.4	20.4	-35.08	-907.3	-1,194.2	618.9	574.7	44.23	13.993					
8,450.0	8,207.8	8,204.3	8,207.8	36.4	20.4	-36.56	-907.3	-1,194.2	608.2	564.4	43.80	13.887					
8,475.0	8,228.7	8,225.2	8,228.7	36.4	20.4	-38.25	-907.3	-1,194.2	596.7	553.4	43.30	13.783					
8,500.0	8,248.9	8,245.4	8,248.9	36.4	20.4	-40.16	-907.3	-1,194.2	584.4	541.7	42.73	13.676					
8,525.0	8,268.3	8,264.8	8,268.3	36.4	20.4	-42.30	-907.3	-1,194.2	571.4	529.2	42.18	13.548					
8,550.0	8,286.9	8,283.4	8,286.9	36.4	20.4	-44.70	-907.3	-1,194.2	557.7	516.0	41.70	13.374					
8,575.0	8,304.5	8,301.0	8,304.5	36.4	20.4	-47.34	-907.3	-1,194.2	543.4	502.0	41.34	13.145					
8,600.0	8,321.2	8,317.7	8,321.2	36.4	20.4	-50.24	-907.3	-1,194.2	528.6	487.5	41.06	12.872					
8,625.0	8,336.9	8,333.4	8,336.9	36.4	20.4	-53.38	-907.3	-1,194.2	513.4	472.5	40.83	12.573					
8,650.0	8,351.5	8,348.0	8,351.5	36.4	20.4	-56.73	-907.3	-1,194.2	497.8	457.3	40.58	12.267					
8,675.0	8,365.1	8,361.6	8,365.1	36.4	20.4	-60.26	-907.3	-1,194.2	482.1	441.8	40.30	11.964					
8,700.0	8,377.6	8,374.1	8,377.6	36.4	20.5	-63.90	-907.3	-1,194.2	466.3	426.4	39.97	11.667					
8,725.0	8,388.9	8,385.4	8,388.9	36.4	20.5	-67.59	-907.3	-1,194.2	450.6	411.0	39.60	11.378					
8,750.0	8,399.0	8,395.5	8,399.0	36.4	20.5	-71.25	-907.3	-1,194.2	435.1	395.9	39.20	11.100					
8,775.0	8,407.9	8,404.4	8,407.9	36.5	20.5	-74.79	-907.3	-1,194.2	419.9	381.1	38.77	10.831					
8,800.0	8,415.6	8,412.1	8,415.6	36.5	20.5	-78.11	-907.3	-1,194.2	405.2	366.9	38.34	10.570					
8,825.0	8,422.0	8,418.5	8,422.0	36.5	20.5	-81.16	-907.3	-1,194.2	391.2	353.3	37.92	10.317					
8,850.0	8,427.1	8,423.6	8,427.1	36.5	20.5	-83.86	-907.3	-1,194.2	378.2	340.6	37.56	10.069					
8,875.0	8,431.0	8,427.5	8,431.0	36.5	20.5	-86.17	-907.3	-1,194.2	366.1	328.8	37.27	9.822					
8,900.0	8,433.6	8,430.1	8,433.6	36.5	20.5	-88.06	-907.3	-1,194.2	355.3	318.2	37.11	9.574					
8,925.0	8,434.8	8,431.3	8,434.8	36.5	20.5	-89.49	-907.3	-1,194.2	345.9	308.8	37.12	9.320					
8,936.1	8,435.0	8,431.5	8,435.0	36.5	20.5	-89.98	-907.3	-1,194.2	342.3	305.1	37.18	9.206					
9,000.0	8,435.0	8,431.5	8,435.0	36.5	20.5	-89.99	-907.3	-1,194.2	327.8	289.5	38.26	8.566					
9,044.0	8,435.1	8,431.6	8,435.1	36.5	20.5	-90.00	-907.3	-1,194.2	324.8	284.9	39.81	8.158 CC, ES					
9,100.0	8,435.1	8,431.6	8,435.1	36.5	20.5	-90.01	-907.3	-1,194.2	329.5	287.1	42.38	7.775					
9,200.0	8,435.2	8,431.7	8,435.2	36.6	20.5	-90.03	-907.3	-1,194.2	360.2	313.1	47.14	7.641 SF					
9,300.0	8,435.3	8,431.8	8,435.3	36.6	20.5	-90.04	-907.3	-1,194.2	413.4	362.7	50.71	8.153					
9,400.0	8,435.4	8,431.9	8,435.4	36.6	20.5	-90.06	-907.3	-1,194.2	481.7	428.8	52.95	9.098					
9,500.0	8,435.5	8,432.0	8,435.5	36.7	20.5	-90.07	-907.3	-1,194.2	559.7	505.4	54.28	10.310					
9,600.0	8,435.6	8,432.1	8,435.6	36.8	20.5	-90.09	-907.3	-1,194.2	643.7	588.6	55.07	11.689					
9,700.0	8,435.7	8,432.2	8,435.7	36.8	20.5	-90.11	-907.3	-1,194.2	731.8	676.3	55.52	13.181					
9,800.0	8,435.8	8,432.3	8,435.8	36.9	20.5	-90.12	-907.3	-1,194.2	822.6	766.8	55.76	14.752					
9,900.0	8,435.8	8,432.3	8,435.8	37.0	20.5	-90.14	-907.3	-1,194.2	915.3	859.5	55.86	16.386					

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 - _WILD THING FED COM 707H - OWB - PWPO													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+MS											Rule Assigned:		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)				
8,400.0	8,163.9	8,160.1	8,163.9	36.4	21.7	-59.17	-898.6	-1,701.6	997.9	964.1	33.80	29.522		
8,425.0	8,186.2	8,182.3	8,186.2	36.4	21.7	-60.36	-898.6	-1,701.6	991.7	957.9	33.75	29.378		
8,450.0	8,207.8	8,204.0	8,207.8	36.4	21.7	-61.67	-898.6	-1,701.6	984.9	951.2	33.71	29.219		
8,475.0	8,228.7	8,224.9	8,228.7	36.4	21.7	-63.09	-898.6	-1,701.6	977.6	944.0	33.66	29.043		
8,500.0	8,248.9	8,245.1	8,248.9	36.4	21.7	-64.62	-898.6	-1,701.6	970.0	936.4	33.62	28.850		
8,525.0	8,268.3	8,264.5	8,268.3	36.4	21.7	-66.23	-898.6	-1,701.6	962.0	928.4	33.59	28.639		
8,550.0	8,286.9	8,283.0	8,286.9	36.4	21.7	-67.93	-898.6	-1,701.6	953.7	920.1	33.57	28.412		
8,575.0	8,304.5	8,300.7	8,304.5	36.4	21.7	-69.70	-898.6	-1,701.6	945.2	911.6	33.56	28.166		
8,600.0	8,321.2	8,317.4	8,321.2	36.4	21.7	-71.51	-898.6	-1,701.6	936.5	902.9	33.56	27.902		
8,625.0	8,336.9	8,333.0	8,336.9	36.4	21.7	-73.34	-898.6	-1,701.6	927.7	894.1	33.59	27.620		
8,650.0	8,351.5	8,347.7	8,351.5	36.4	21.7	-75.18	-898.6	-1,701.6	918.9	885.3	33.64	27.318		
8,675.0	8,365.1	8,361.3	8,365.1	36.4	21.7	-77.00	-898.6	-1,701.6	910.2	876.5	33.72	26.994		
8,700.0	8,377.6	8,373.7	8,377.6	36.4	21.7	-78.78	-898.6	-1,701.6	901.7	867.8	33.84	26.648		
8,725.0	8,388.9	8,385.0	8,388.9	36.4	21.7	-80.50	-898.6	-1,701.6	893.3	859.3	33.99	26.278		
8,750.0	8,399.0	8,395.1	8,399.0	36.4	21.7	-82.13	-898.6	-1,701.6	885.3	851.0	34.20	25.883		
8,775.0	8,407.9	8,404.1	8,407.9	36.5	21.7	-83.66	-898.6	-1,701.6	877.6	843.1	34.46	25.463		
8,800.0	8,415.6	8,411.7	8,415.6	36.5	21.7	-85.06	-898.6	-1,701.6	870.3	835.5	34.78	25.022		
8,825.0	8,422.0	8,418.1	8,422.0	36.5	21.7	-86.33	-898.6	-1,701.6	863.5	828.4	35.16	24.561		
8,850.0	8,427.1	8,423.3	8,427.1	36.5	21.7	-87.44	-898.6	-1,701.6	857.3	821.7	35.60	24.085		
8,875.0	8,431.0	8,427.2	8,431.0	36.5	21.7	-88.39	-898.6	-1,701.6	851.7	815.6	36.09	23.599		
8,900.0	8,433.6	8,429.7	8,433.6	36.5	21.7	-89.18	-898.6	-1,701.6	846.8	810.1	36.64	23.109		
8,925.0	8,434.8	8,431.0	8,434.8	36.5	21.7	-89.78	-898.6	-1,701.6	842.5	805.2	37.24	22.621		
8,936.1	8,435.0	8,431.1	8,435.0	36.5	21.7	-89.99	-898.6	-1,701.6	840.8	803.3	37.53	22.407		
9,000.0	8,435.0	8,431.2	8,435.0	36.5	21.7	-90.00	-898.6	-1,701.6	834.1	794.9	39.19	21.284		
9,056.8	8,435.1	8,431.2	8,435.1	36.5	21.7	-90.00	-898.6	-1,701.6	832.1	791.3	40.82	20.383 CC		
9,100.0	8,435.1	8,431.3	8,435.1	36.5	21.7	-90.00	-898.6	-1,701.6	833.2	791.1	42.12	19.781 ES		
9,200.0	8,435.2	8,431.4	8,435.2	36.6	21.7	-90.01	-898.6	-1,701.6	844.3	799.1	45.21	18.675		
9,300.0	8,435.3	8,431.4	8,435.3	36.6	21.7	-90.02	-898.6	-1,701.6	866.9	818.7	48.21	17.982		
9,400.0	8,435.4	8,431.5	8,435.4	36.6	21.7	-90.02	-898.6	-1,701.6	900.1	849.2	50.93	17.673 SF		
9,500.0	8,435.5	8,431.6	8,435.5	36.7	21.7	-90.03	-898.6	-1,701.6	942.8	889.5	53.27	17.698		
9,600.0	8,435.6	8,431.7	8,435.6	36.8	21.7	-90.03	-898.6	-1,701.6	993.7	938.5	55.20	18.003		

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 901H - 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		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor				
0.0	0.0	0.0	37.0	0.0	0.0	124.32	-235.5	345.0	419.4							
100.0	100.0	63.0	100.0	0.8	0.8	124.32	-235.5	345.0	417.7	415.7	2.02	206.938				
200.0	200.0	163.0	200.0	1.4	1.5	124.32	-235.5	345.0	417.7	414.3	3.44	121.582				
300.0	300.0	263.0	300.0	1.9	2.0	124.32	-235.5	345.0	417.7	413.4	4.30	97.057				
400.0	400.0	363.0	400.0	2.2	2.3	124.32	-235.5	345.0	417.7	412.7	5.01	83.375				
500.0	500.0	463.0	500.0	2.6	2.6	124.32	-235.5	345.0	417.7	412.1	5.62	74.276				
600.0	600.0	563.0	600.0	2.8	2.9	124.32	-235.5	345.0	417.7	411.6	6.18	67.639				
700.0	700.0	663.0	700.0	3.1	3.2	124.32	-235.5	345.0	417.7	411.0	6.68	62.510				
800.0	800.0	763.0	800.0	3.3	3.4	124.32	-235.5	345.0	417.7	410.6	7.15	58.386				
900.0	900.0	863.0	900.0	3.7	3.6	-86.06	-235.5	345.0	417.6	410.0	7.59	55.055				
1,000.0	999.8	962.8	999.8	4.0	3.8	-86.78	-235.5	345.0	417.3	409.3	7.98	52.286				
1,054.8	1,054.4	1,015.7	1,052.7	4.2	3.9	-87.36	-235.5	345.0	417.1	408.9	8.19	50.923	CC, ES			
1,100.0	1,099.5	1,056.3	1,093.3	4.4	4.0	-87.88	-235.8	345.3	417.3	409.0	8.36	49.907				
1,200.0	1,198.7	1,145.9	1,182.8	4.7	4.2	-89.29	-237.3	347.2	419.7	410.9	8.74	47.993				
1,300.0	1,297.5	1,234.9	1,271.8	5.1	4.5	-90.99	-240.1	350.6	424.7	415.6	9.12	46.563				
1,400.0	1,395.6	1,323.3	1,359.9	5.5	4.7	-92.92	-244.1	355.6	432.7	423.1	9.51	45.493				
1,500.0	1,493.1	1,410.9	1,447.1	5.9	4.9	-95.03	-249.4	362.2	443.8	433.9	9.92	44.751				
1,600.0	1,589.6	1,500.0	1,535.6	6.3	5.2	-97.32	-256.0	370.4	458.4	448.1	10.36	44.248				
1,610.5	1,599.8	1,506.5	1,542.1	6.4	5.2	-97.48	-256.6	371.1	460.2	449.8	10.38	44.315				
1,700.0	1,685.7	1,583.3	1,618.0	6.7	5.4	-99.70	-263.4	379.6	476.5	465.6	10.83	43.980	SF			
1,800.0	1,781.7	1,668.6	1,702.2	7.1	5.7	-101.93	-272.2	390.4	497.5	486.2	11.30	44.015				
1,900.0	1,877.7	1,753.5	1,785.6	7.5	6.0	-103.89	-282.0	402.7	521.4	509.6	11.79	44.228				
2,000.0	1,973.7	1,837.8	1,868.1	7.9	6.3	-105.61	-293.0	416.2	547.7	535.5	12.28	44.589				
2,100.0	2,069.8	1,924.2	1,952.3	8.3	6.7	-107.13	-305.4	431.5	576.4	563.6	12.80	45.020				
2,200.0	2,165.8	2,018.6	2,044.0	8.7	7.0	-108.61	-319.2	448.7	606.0	592.7	13.38	45.304				
2,300.0	2,261.8	2,113.0	2,135.8	9.1	7.4	-109.96	-333.0	465.8	636.0	622.0	13.97	45.541				
2,400.0	2,357.8	2,207.3	2,227.5	9.6	7.7	-111.19	-346.9	483.0	666.2	651.7	14.57	45.740				
2,500.0	2,453.9	2,301.7	2,319.3	10.0	8.1	-112.31	-360.7	500.1	696.7	681.6	15.18	45.907				
2,600.0	2,549.9	2,396.1	2,411.1	10.5	8.5	-113.34	-374.5	517.3	727.5	711.7	15.80	46.047				
2,700.0	2,645.9	2,490.4	2,502.8	10.9	8.9	-114.29	-388.4	534.4	758.4	742.0	16.43	46.166				
2,800.0	2,741.9	2,584.8	2,594.6	11.4	9.3	-115.17	-402.2	551.5	789.5	772.4	17.06	46.267				
2,900.0	2,838.0	2,679.2	2,686.3	11.8	9.7	-115.98	-416.0	568.7	820.8	803.1	17.71	46.352				
3,000.0	2,934.0	2,773.5	2,778.1	12.3	10.1	-116.73	-429.9	585.8	852.2	833.8	18.36	46.426				
3,100.0	3,030.0	2,867.9	2,869.8	12.8	10.5	-117.42	-443.7	603.0	883.7	864.7	19.01	46.489				
3,200.0	3,126.0	2,962.2	2,961.6	13.3	10.9	-118.07	-457.5	620.1	915.3	895.7	19.67	46.543				
3,300.0	3,222.1	3,056.6	3,053.3	13.7	11.3	-118.68	-471.4	637.3	947.1	926.7	20.33	46.589				
3,400.0	3,318.1	3,151.0	3,145.1	14.2	11.7	-119.25	-485.2	654.4	978.9	957.9	20.99	46.629				

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 - _WILD THING FED COM 902H - OWB - PWPO													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 10207-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)	No-Go Distance (usft)			
0.0	0.0	0.0	37.0	0.0	0.0	128.33	-254.4	321.8	411.9					
100.0	100.0	63.0	100.0	0.8	0.8	128.33	-254.4	321.8	410.2	408.2	2.02	203.203		
200.0	200.0	163.0	200.0	1.4	1.5	128.33	-254.4	321.8	410.2	406.8	3.44	119.388		
300.0	300.0	263.0	300.0	1.9	2.0	128.33	-254.4	321.8	410.2	405.9	4.30	95.306		
400.0	400.0	363.0	400.0	2.2	2.3	128.33	-254.4	321.8	410.2	405.2	5.01	81.870		
500.0	500.0	463.0	500.0	2.6	2.6	128.33	-254.4	321.8	410.2	404.6	5.62	72.935		
600.0	600.0	563.0	600.0	2.8	2.9	128.33	-254.4	321.8	410.2	404.0	6.18	66.418		
700.0	700.0	663.0	700.0	3.1	3.2	128.33	-254.4	321.8	410.2	403.5	6.68	61.382		
800.0	800.0	763.0	800.0	3.3	3.4	128.33	-254.4	321.8	410.2	403.0	7.15	57.333		
900.0	900.0	863.0	900.0	3.7	3.6	-82.05	-254.4	321.8	409.9	402.4	7.59	54.031		
1,000.0	999.8	962.8	999.8	4.0	3.8	-82.79	-254.4	321.8	409.3	401.3	7.98	51.256		
1,085.5	1,085.0	1,043.5	1,080.5	4.3	4.0	-83.74	-254.6	321.9	408.7	400.4	8.31	49.186 CC		
1,100.0	1,099.5	1,056.7	1,093.7	4.4	4.0	-83.92	-254.8	322.0	408.7	400.3	8.36	48.866 ES		
1,200.0	1,198.7	1,146.9	1,183.9	4.7	4.2	-85.31	-256.7	323.4	410.1	401.3	8.73	46.961		
1,300.0	1,297.5	1,236.8	1,273.6	5.1	4.4	-86.98	-260.4	326.1	413.8	404.7	9.08	45.577		
1,400.0	1,395.6	1,326.2	1,362.8	5.5	4.6	-88.86	-265.7	329.9	420.0	410.6	9.42	44.592		
1,500.0	1,493.1	1,415.1	1,451.3	5.9	4.8	-90.92	-272.7	335.0	429.0	419.2	9.76	43.957		
1,600.0	1,589.6	1,500.0	1,535.6	6.3	5.0	-92.99	-280.9	340.9	440.9	430.8	10.09	43.683		
1,610.5	1,599.8	1,512.7	1,548.1	6.4	5.0	-93.32	-282.3	341.9	442.4	432.2	10.13	43.662		
1,700.0	1,685.7	1,591.2	1,625.8	6.7	5.2	-95.44	-291.4	348.5	455.9	445.4	10.50	43.428 SF		
1,800.0	1,781.7	1,678.8	1,712.2	7.1	5.3	-97.55	-303.2	357.0	473.6	462.7	10.87	43.587		
1,900.0	1,877.7	1,769.6	1,801.5	7.5	5.4	-99.46	-316.9	366.9	493.7	482.5	11.19	44.121		
2,000.0	1,973.7	1,866.1	1,896.1	7.9	5.6	-101.30	-331.9	377.6	514.7	503.2	11.58	44.432		
2,100.0	2,069.8	1,962.5	1,990.8	8.3	5.7	-103.00	-346.8	388.4	536.2	524.2	12.01	44.642		
2,200.0	2,165.8	2,058.9	2,085.5	8.7	5.9	-104.58	-361.7	399.2	558.2	545.7	12.45	44.818		
2,300.0	2,261.8	2,155.4	2,180.1	9.1	6.1	-106.03	-376.6	409.9	580.5	567.6	12.91	44.964		
2,400.0	2,357.8	2,251.8	2,274.8	9.6	6.3	-107.38	-391.6	420.7	603.1	589.7	13.38	45.081		
2,500.0	2,453.9	2,348.2	2,369.4	10.0	6.4	-108.64	-406.5	431.4	626.1	612.2	13.86	45.173		
2,600.0	2,549.9	2,444.7	2,464.1	10.5	6.6	-109.80	-421.4	442.2	649.3	634.9	14.35	45.242		
2,700.0	2,645.9	2,541.1	2,558.8	10.9	6.8	-110.89	-436.3	453.0	672.7	657.9	14.85	45.291		
2,800.0	2,741.9	2,637.5	2,653.4	11.4	7.0	-111.90	-451.3	463.7	696.4	681.0	15.37	45.323		
2,900.0	2,838.0	2,734.0	2,748.1	11.8	7.1	-112.85	-466.2	474.5	720.3	704.4	15.89	45.340		
3,000.0	2,934.0	2,830.4	2,842.7	12.3	7.3	-113.74	-481.1	485.3	744.3	727.9	16.41	45.345		
3,100.0	3,030.0	2,926.8	2,937.4	12.8	7.5	-114.57	-496.0	496.0	768.5	751.6	16.95	45.339		
3,200.0	3,126.0	3,023.2	3,032.1	13.3	7.7	-115.35	-511.0	506.8	792.9	775.4	17.49	45.323		
3,300.0	3,222.1	3,119.7	3,126.7	13.7	7.9	-116.09	-525.9	517.6	817.4	799.3	18.04	45.300		
3,400.0	3,318.1	3,216.1	3,221.4	14.2	8.0	-116.78	-540.8	528.3	842.0	823.4	18.60	45.271		
3,500.0	3,414.1	3,312.5	3,316.0	14.7	8.2	-117.44	-555.7	539.1	866.7	847.5	19.16	45.237		
3,600.0	3,510.1	3,409.0	3,410.7	15.2	8.4	-118.06	-570.6	549.8	891.5	871.8	19.72	45.198		
3,700.0	3,606.2	3,505.4	3,505.4	15.6	8.6	-118.64	-585.6	560.6	916.4	896.1	20.29	45.156		
3,800.0	3,702.2	3,601.8	3,600.0	16.1	8.8	-119.19	-600.5	571.4	941.4	920.5	20.87	45.111		
3,900.0	3,798.2	3,698.3	3,694.7	16.6	9.0	-119.72	-615.4	582.1	966.4	945.0	21.45	45.064		
4,000.0	3,894.2	3,794.7	3,789.3	17.1	9.2	-120.22	-630.3	592.9	991.6	969.6	22.03	45.016		

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 - _WILD THING FED COM 903H - OWB - PWPO													Offset Site Error:	0.0 usft		
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 10342-r.5 MWD+IFR1+SAG+FDIR													Rule Assigned:		Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning			
0.0	0.0	0.0	37.0	0.0	0.0	132.48	-273.3	298.5	406.4							
100.0	100.0	63.0	100.0	0.8	0.8	132.48	-273.3	298.5	404.7	402.7	2.02	200.473				
200.0	200.0	163.0	200.0	1.4	1.5	132.48	-273.3	298.5	404.7	401.2	3.44	117.784				
300.0	300.0	263.0	300.0	1.9	2.0	132.48	-273.3	298.5	404.7	400.4	4.30	94.025				
400.0	400.0	363.0	400.0	2.2	2.3	132.48	-273.3	298.5	404.7	399.7	5.01	80.770				
500.0	500.0	463.0	500.0	2.6	2.6	132.48	-273.3	298.5	404.7	399.1	5.62	71.955				
600.0	600.0	563.0	600.0	2.8	2.9	132.48	-273.3	298.5	404.7	398.5	6.18	65.525				
700.0	700.0	663.0	700.0	3.1	3.2	132.48	-273.3	298.5	404.7	398.0	6.68	60.557				
800.0	800.0	763.0	800.0	3.3	3.4	132.48	-273.3	298.5	404.7	397.5	7.15	56.562				
900.0	900.0	863.0	900.0	3.7	3.6	-77.91	-273.3	298.5	404.3	396.7	7.59	53.263				
1,000.0	999.8	962.8	999.8	4.0	3.8	-78.65	-273.3	298.5	403.2	395.3	7.99	50.461				
1,100.0	1,099.5	1,062.5	1,099.5	4.4	4.0	-79.90	-273.3	298.5	401.6	393.2	8.37	47.962				
1,200.0	1,198.7	1,161.7	1,198.7	4.7	4.2	-81.65	-273.3	298.5	399.6	390.9	8.74	45.722				
1,300.0	1,297.5	1,260.5	1,297.5	5.1	4.4	-83.89	-273.3	298.5	397.7	388.6	9.10	43.719				
1,400.0	1,395.6	1,358.6	1,395.6	5.5	4.6	-86.61	-273.3	298.5	396.0	386.6	9.44	41.937				
1,500.0	1,493.1	1,456.1	1,493.1	5.9	4.8	-89.80	-273.3	298.5	395.3	385.5	9.79	40.366				
1,505.8	1,498.7	1,461.7	1,498.7	5.9	4.8	-90.00	-273.3	298.5	395.3	385.5	9.81	40.279 CC, ES				
1,600.0	1,589.6	1,552.6	1,589.6	6.3	4.9	-93.40	-273.3	298.5	396.1	385.9	10.16	38.995				
1,610.5	1,599.8	1,562.8	1,599.8	6.4	4.9	-93.81	-273.3	298.5	396.3	386.1	10.18	38.910				
1,700.0	1,685.7	1,648.7	1,685.7	6.7	5.1	-97.25	-273.3	298.5	398.8	388.2	10.58	37.698				
1,800.0	1,781.7	1,744.7	1,781.7	7.1	5.2	-101.03	-273.3	298.5	403.4	392.4	10.99	36.694				
1,900.0	1,877.7	1,840.7	1,877.7	7.5	5.4	-104.73	-273.3	298.5	409.9	398.4	11.44	35.829				
2,000.0	1,973.7	1,936.7	1,973.7	7.9	5.5	-108.30	-273.3	298.5	418.1	406.2	11.92	35.080				
2,100.0	2,069.8	2,031.8	2,068.8	8.3	5.7	-111.67	-273.5	298.5	428.0	415.6	12.42	34.470				
2,200.0	2,165.8	2,126.0	2,162.9	8.7	5.9	-114.55	-276.1	298.6	439.9	427.0	12.92	34.057				
2,300.0	2,261.8	2,221.4	2,258.1	9.1	6.1	-116.94	-281.8	299.0	453.2	439.8	13.41	33.796				
2,400.0	2,357.8	2,317.8	2,354.1	9.6	6.3	-118.81	-290.9	299.7	467.5	453.6	13.91	33.615				
2,500.0	2,453.9	2,415.0	2,450.5	10.0	6.4	-120.21	-303.2	300.5	482.5	468.1	14.40	33.494				
2,600.0	2,549.9	2,512.8	2,547.1	10.5	6.6	-121.14	-319.0	301.6	497.8	482.9	14.89	33.420				
2,700.0	2,645.9	2,611.1	2,643.4	10.9	6.8	-121.64	-338.1	302.9	513.3	497.9	15.37	33.399				
2,800.0	2,741.9	2,709.6	2,739.5	11.4	6.9	-121.79	-360.1	304.4	528.9	513.1	15.79	33.496				
2,900.0	2,838.0	2,808.4	2,835.7	11.8	7.0	-121.89	-382.6	305.9	544.5	528.2	16.27	33.477				
3,000.0	2,934.0	2,907.2	2,931.8	12.3	7.1	-121.98	-405.1	307.4	560.1	543.4	16.75	33.443				
3,100.0	3,030.0	3,005.9	3,028.0	12.8	7.2	-122.07	-427.6	309.0	575.7	558.5	17.24	33.396				
3,200.0	3,126.0	3,104.7	3,124.1	13.3	7.4	-122.15	-450.1	310.5	591.3	573.6	17.74	33.339				
3,300.0	3,222.1	3,203.5	3,220.3	13.7	7.5	-122.23	-472.6	312.0	607.0	588.7	18.24	33.274				
3,400.0	3,318.1	3,302.3	3,316.5	14.2	7.7	-122.30	-495.1	313.6	622.6	603.8	18.75	33.203				
3,500.0	3,414.1	3,401.0	3,412.6	14.7	7.8	-122.37	-517.6	315.1	638.2	618.9	19.27	33.125				
3,600.0	3,510.1	3,499.8	3,508.8	15.2	7.9	-122.44	-540.1	316.6	653.8	634.0	19.79	33.044				
3,700.0	3,606.2	3,598.6	3,604.9	15.6	8.1	-122.51	-562.6	318.2	669.4	649.1	20.31	32.960				
3,800.0	3,702.2	3,697.3	3,701.1	16.1	8.2	-122.57	-585.1	319.7	685.1	664.2	20.84	32.873				
3,900.0	3,798.2	3,796.1	3,797.3	16.6	8.4	-122.62	-607.6	321.2	700.7	679.3	21.37	32.785				
4,000.0	3,894.2	3,894.9	3,893.4	17.1	8.6	-122.68	-630.1	322.8	716.3	694.4	21.91	32.696				
4,100.0	3,990.3	3,993.6	3,989.6	17.6	8.7	-122.73	-652.6	324.3	731.9	709.5	22.45	32.606				
4,200.0	4,086.3	4,092.4	4,085.7	18.1	8.9	-122.79	-675.1	325.8	747.5	724.6	22.99	32.516				
4,300.0	4,182.3	4,191.2	4,181.9	18.6	9.1	-122.83	-697.6	327.4	763.2	739.6	23.54	32.426				
4,400.0	4,278.3	4,290.0	4,278.1	19.1	9.2	-122.88	-720.1	328.9	778.8	754.7	24.08	32.337				
4,500.0	4,374.3	4,388.7	4,374.2	19.5	9.4	-122.93	-742.6	330.4	794.4	769.8	24.63	32.248				
4,600.0	4,470.4	4,487.5	4,470.4	20.0	9.6	-122.97	-765.1	332.0	810.0	784.8	25.19	32.161				
4,700.0	4,566.4	4,586.3	4,566.6	20.5	9.8	-123.01	-787.6	333.5	825.7	799.9	25.74	32.074				
4,800.0	4,662.4	4,685.0	4,662.7	21.0	9.9	-123.05	-810.1	335.0	841.3	815.0	26.30	31.989				

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 903H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 10342-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)	No-Go Distance (usft)		
4,900.0	4,758.4	4,783.8	4,758.9	21.5	10.1	-123.09	-832.6	336.6	856.9	830.1	26.86	31.905	
5,000.0	4,854.5	4,882.6	4,855.0	22.0	10.3	-123.13	-855.1	338.1	872.5	845.1	27.40	31.850	
5,100.0	4,950.5	4,981.3	4,951.4	22.5	10.4	-123.26	-876.3	339.5	888.2	860.2	27.96	31.761	
5,200.0	5,046.5	5,079.9	5,048.1	23.0	10.6	-123.48	-895.8	340.9	903.8	875.3	28.56	31.651	
5,300.0	5,142.5	5,178.3	5,144.9	23.5	10.8	-123.81	-913.6	342.1	919.5	890.3	29.16	31.529	
5,400.0	5,238.6	5,276.5	5,241.7	24.0	11.0	-124.22	-929.8	343.2	935.3	905.5	29.79	31.396	
5,500.0	5,334.6	5,374.5	5,338.6	24.5	11.1	-124.73	-944.2	344.2	951.1	920.7	30.43	31.255	
5,600.0	5,430.6	5,472.1	5,435.4	25.0	11.3	-125.32	-957.0	345.0	967.1	936.0	31.09	31.108	
5,700.0	5,526.6	5,569.4	5,532.1	25.5	11.5	-125.98	-968.0	345.8	983.3	951.5	31.76	30.957	
5,800.0	5,622.7	5,666.2	5,628.4	26.0	11.6	-126.71	-977.4	346.4	999.7	967.2	32.45	30.805 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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 - _WILD THING FED COM 904H - OWB - PWPO														Offset Site Error:	0.0 usft		
Survey Program: 0-r.5 MWD+IFR1, 10177-r.5 MWD+IFR1+SAG+FDIR														Rule Assigned:		Offset Well Error:	0.0 usft
Measured Reference 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				
0.0	0.0	0.0	37.0	0.0	0.0	136.72	-292.2	275.1	403.0								
100.0	100.0	63.0	100.0	0.8	0.8	136.72	-292.2	275.1	401.3	399.3	2.02	198.818					
200.0	200.0	163.0	200.0	1.4	1.5	136.72	-292.2	275.1	401.3	397.9	3.44	116.812					
300.0	300.0	263.0	300.0	1.9	2.0	136.72	-292.2	275.1	401.3	397.0	4.30	93.249					
400.0	400.0	363.0	400.0	2.2	2.3	136.72	-292.2	275.1	401.3	396.3	5.01	80.104					
500.0	500.0	463.0	500.0	2.6	2.6	136.72	-292.2	275.1	401.3	395.7	5.62	71.361					
600.0	600.0	563.0	600.0	2.8	2.9	136.72	-292.2	275.1	401.3	395.2	6.18	64.985					
700.0	700.0	663.0	700.0	3.1	3.2	136.72	-292.2	275.1	401.3	394.7	6.68	60.057					
800.0	800.0	763.0	800.0	3.3	3.4	136.72	-292.2	275.1	401.3	394.2	7.15	56.095					
900.0	900.0	863.0	900.0	3.7	3.6	-73.67	-292.2	275.1	400.8	393.2	7.60	52.772					
1,000.0	999.8	962.8	999.8	4.0	3.8	-74.41	-292.2	275.1	399.4	391.4	8.00	49.918					
1,100.0	1,099.5	1,059.0	1,096.0	4.4	4.0	-75.56	-292.6	275.1	397.4	389.0	8.38	47.408					
1,200.0	1,198.7	1,153.0	1,190.0	4.7	4.3	-76.88	-295.2	274.6	396.1	387.3	8.74	45.339					
1,300.0	1,297.5	1,247.2	1,284.0	5.1	4.5	-78.38	-300.1	273.8	395.5	386.4	9.08	43.581					
1,311.4	1,308.7	1,258.0	1,294.8	5.2	4.5	-78.56	-300.8	273.6	395.5	386.4	9.11	43.394					
1,400.0	1,395.6	1,342.8	1,379.4	5.5	4.7	-80.07	-307.3	272.5	395.9	386.5	9.36	42.271					
1,500.0	1,493.1	1,452.7	1,488.9	5.9	4.9	-82.35	-316.0	269.1	395.0	385.3	9.67	40.836					
1,600.0	1,589.6	1,553.6	1,589.4	6.3	5.1	-84.93	-323.3	264.1	392.4	382.4	9.98	39.329					
1,610.5	1,599.8	1,564.0	1,599.7	6.4	5.1	-85.23	-324.0	263.6	392.1	382.1	10.00	39.212					
1,700.0	1,685.7	1,651.7	1,687.1	6.7	5.3	-87.72	-330.3	259.2	390.3	380.0	10.35	37.725					
1,800.0	1,781.7	1,749.8	1,784.8	7.1	5.6	-90.52	-337.3	254.3	389.3	378.6	10.69	36.418					
1,858.6	1,838.0	1,807.3	1,842.1	7.3	5.8	-92.17	-341.4	251.4	389.1	378.2	10.90	35.700 CC					
1,900.0	1,877.7	1,847.9	1,882.5	7.5	5.9	-93.34	-344.3	249.4	389.2	378.2	11.05	35.215 ES					
2,000.0	1,973.7	1,946.0	1,980.2	7.9	6.2	-96.15	-351.3	244.5	390.1	378.7	11.44	34.093					
2,100.0	2,069.8	2,044.1	2,078.0	8.3	6.5	-98.93	-358.3	239.6	392.0	380.1	11.86	33.035					
2,200.0	2,165.8	2,142.2	2,175.7	8.7	6.8	-101.69	-365.3	234.7	394.8	382.4	12.33	32.027					
2,300.0	2,261.8	2,240.2	2,273.4	9.1	7.1	-104.40	-372.3	229.8	398.5	385.7	12.83	31.062					
2,400.0	2,357.8	2,338.3	2,371.1	9.6	7.5	-107.06	-379.3	224.9	403.2	389.8	13.38	30.136					
2,500.0	2,453.9	2,436.4	2,468.8	10.0	7.8	-109.66	-386.3	220.0	408.7	394.7	13.97	29.251					
2,600.0	2,549.9	2,534.5	2,566.5	10.5	8.1	-112.18	-393.3	215.1	415.1	400.5	14.61	28.407					
2,700.0	2,645.9	2,632.6	2,664.2	10.9	8.5	-114.63	-400.3	210.2	422.3	407.0	15.29	27.610					
2,800.0	2,741.9	2,730.6	2,761.9	11.4	8.8	-116.99	-407.3	205.3	430.2	414.2	16.02	26.862					
2,900.0	2,838.0	2,828.7	2,859.6	11.8	9.2	-119.26	-414.3	200.4	438.9	422.1	16.77	26.165					
3,000.0	2,934.0	2,926.8	2,957.3	12.3	9.5	-121.45	-421.3	195.5	448.2	430.6	17.56	25.520					
3,100.0	3,030.0	3,024.9	3,055.1	12.8	9.9	-123.54	-428.3	190.6	458.2	439.8	18.38	24.928					
3,200.0	3,126.0	3,123.0	3,152.8	13.3	10.2	-125.55	-435.3	185.7	468.8	449.5	19.22	24.387					
3,300.0	3,222.1	3,221.1	3,250.5	13.7	10.6	-127.47	-442.3	180.8	479.9	459.8	20.08	23.895					
3,400.0	3,318.1	3,319.1	3,348.2	14.2	10.9	-129.30	-449.3	175.9	491.6	470.6	20.96	23.450					
3,500.0	3,414.1	3,417.2	3,445.9	14.7	11.3	-131.05	-456.3	171.0	503.7	481.8	21.85	23.048					
3,600.0	3,510.1	3,515.3	3,543.6	15.2	11.6	-132.71	-463.3	166.1	516.3	493.5	22.76	22.686					
3,700.0	3,606.2	3,613.4	3,641.3	15.6	12.0	-134.30	-470.3	161.2	529.3	505.6	23.67	22.361					
3,800.0	3,702.2	3,711.5	3,739.0	16.1	12.4	-135.81	-477.3	156.2	542.7	518.1	24.59	22.070					
3,900.0	3,798.2	3,809.6	3,836.7	16.6	12.7	-137.25	-484.3	151.3	556.5	530.9	25.52	21.809					
4,000.0	3,894.2	3,907.6	3,934.4	17.1	13.1	-138.62	-491.3	146.4	570.6	544.1	26.44	21.576					
4,100.0	3,990.3	4,005.7	4,032.2	17.6	13.5	-139.92	-498.3	141.5	585.0	557.6	27.38	21.368					
4,200.0	4,086.3	4,103.8	4,129.9	18.1	13.8	-141.16	-505.3	136.6	599.6	571.3	28.31	21.183					
4,300.0	4,182.3	4,201.9	4,227.6	18.6	14.2	-142.35	-512.3	131.7	614.6	585.4	29.24	21.017					
4,400.0	4,278.3	4,300.0	4,325.3	19.1	14.6	-143.47	-519.3	126.8	629.8	599.6	30.18	20.870					
4,500.0	4,374.3	4,398.1	4,423.0	19.5	14.9	-144.55	-526.3	121.9	645.2	614.1	31.11	20.740					
4,600.0	4,470.4	4,496.1	4,520.7	20.0	15.3	-145.57	-533.3	117.0	660.9	628.8	32.04	20.624					
4,700.0	4,566.4	4,594.2	4,618.4	20.5	15.7	-146.55	-540.3	112.1	676.7	643.8	32.98	20.521					

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 - _WILD THING FED COM 904H - OWB - PWPO														Offset Site Error:	0.0 usft	
Survey Program: 0-r.5 MWD+IFR1, 10177-r.5 MWD+IFR1+SAG+FDIR										Rule Assigned:				Offset Well Error:		0.0 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)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning			
4,800.0	4,662.4	4,692.3	4,716.1	21.0	16.0	-147.48	-547.3	107.2	692.8	658.9	33.91	20.430				
4,900.0	4,758.4	4,790.4	4,813.8	21.5	16.4	-148.37	-554.3	102.3	709.0	674.1	34.84	20.350				
5,000.0	4,854.5	4,888.5	4,911.5	22.0	16.8	-149.23	-561.4	97.4	725.3	689.6	35.77	20.279				
5,100.0	4,950.5	4,986.6	5,009.3	22.5	17.1	-150.04	-568.4	92.5	741.9	705.2	36.70	20.216				
5,200.0	5,046.5	5,107.0	5,129.1	23.0	17.6	-150.95	-578.2	85.6	757.5	719.7	37.79	20.044				
5,300.0	5,142.5	5,238.0	5,258.8	23.5	18.2	-151.72	-593.4	75.0	769.3	730.4	38.92	19.764				
5,400.0	5,238.6	5,343.9	5,363.1	24.0	18.7	-152.23	-608.4	64.5	778.3	738.4	39.88	19.517				
5,500.0	5,334.6	5,443.3	5,461.0	24.5	19.1	-152.69	-622.5	54.6	787.3	746.5	40.82	19.288				
5,600.0	5,430.6	5,542.7	5,558.9	25.0	19.5	-153.14	-636.7	44.7	796.3	754.5	41.76	19.070				
5,700.0	5,526.6	5,642.1	5,656.7	25.5	20.0	-153.58	-650.8	34.8	805.4	762.7	42.70	18.862				
5,800.0	5,622.7	5,741.5	5,754.6	26.0	20.4	-154.02	-664.9	24.9	814.5	770.9	43.64	18.662				
5,900.0	5,718.7	5,840.9	5,852.5	26.5	20.8	-154.44	-679.1	15.0	823.7	779.1	44.59	18.472				
6,000.0	5,814.7	5,940.3	5,950.4	27.0	21.3	-154.85	-693.2	5.1	832.9	787.4	45.54	18.290				
6,100.0	5,910.7	6,039.7	6,048.3	27.5	21.7	-155.26	-707.3	-4.8	842.2	795.7	46.49	18.116				
6,200.0	6,006.8	6,139.1	6,146.2	28.0	22.2	-155.65	-721.5	-14.7	851.5	804.0	47.44	17.950				
6,300.0	6,102.8	6,238.5	6,244.1	28.5	22.6	-156.04	-735.6	-24.6	860.8	812.4	48.39	17.790				
6,400.0	6,198.8	6,337.9	6,341.9	29.0	23.0	-156.42	-749.8	-34.5	870.2	820.8	49.34	17.637				
6,500.0	6,294.8	6,437.3	6,439.8	29.5	23.5	-156.79	-763.9	-44.4	879.6	829.3	50.29	17.490				
6,557.9	6,350.5	6,494.9	6,496.5	29.8	23.7	-157.00	-772.1	-50.1	885.1	834.2	50.84	17.410				
6,600.0	6,390.9	6,536.7	6,537.7	30.0	23.9	-157.16	-778.0	-54.3	888.9	837.7	51.23	17.351				
6,700.0	6,487.4	6,636.2	6,635.8	30.5	24.4	-157.51	-792.2	-64.2	896.9	844.7	52.18	17.190				
6,800.0	6,584.3	6,736.0	6,734.0	30.9	24.8	-157.80	-806.4	-74.2	903.3	850.2	53.11	17.010				
6,900.0	6,681.6	6,835.8	6,832.3	31.4	25.3	-158.05	-820.6	-84.1	908.2	854.1	54.02	16.812				
7,000.0	6,779.3	6,935.7	6,930.7	31.9	25.7	-158.24	-834.8	-94.1	911.4	856.5	54.92	16.596				
7,100.0	6,877.3	7,035.6	7,029.1	32.4	26.2	-158.38	-849.0	-104.0	913.0	857.2	55.80	16.363				
7,200.0	6,975.7	7,132.9	7,124.8	32.8	26.6	-158.48	-862.8	-113.7	913.0	856.4	56.64	16.120				
7,300.0	7,074.4	7,219.6	7,210.4	33.3	27.0	-158.55	-874.4	-121.8	912.4	855.0	57.40	15.896				
7,400.0	7,173.4	7,300.0	7,289.9	33.7	27.3	-158.60	-884.2	-128.6	911.6	853.6	58.08	15.697				
7,500.0	7,272.6	7,393.1	7,382.2	34.1	27.7	-158.64	-894.4	-135.8	910.7	851.8	58.82	15.483				
7,600.0	7,372.0	7,479.9	7,468.4	34.5	28.1	-158.67	-902.8	-141.7	909.5	850.1	59.47	15.294				
7,700.0	7,471.5	7,566.7	7,554.7	34.9	28.4	-158.69	-910.1	-146.8	908.2	848.2	60.09	15.115				
7,800.0	7,571.3	7,653.5	7,641.2	35.3	28.8	-158.70	-916.4	-151.2	906.8	846.1	60.66	14.948				
7,900.0	7,671.1	7,740.3	7,727.8	35.7	29.1	-158.70	-921.5	-154.8	905.1	843.9	61.18	14.794				
8,000.0	7,771.0	7,827.2	7,814.5	36.0	29.4	-158.68	-925.7	-157.7	903.3	841.7	61.65	14.652				
8,100.0	7,871.0	7,914.0	7,901.3	36.3	29.7	-158.65	-928.7	-159.8	901.3	839.3	62.04	14.527				
8,179.0	7,950.0	7,982.7	7,969.9	36.4	29.9	51.52	-930.3	-160.9	899.6	835.1	64.49	13.949				
8,186.5	7,957.5	7,989.2	7,976.4	36.4	29.9	51.52	-930.4	-161.0	899.5	835.0	64.50	13.946				
8,200.0	7,971.0	8,000.0	7,987.2	36.4	29.9	52.00	-930.6	-161.2	899.1	834.6	64.48	13.944				
8,225.0	7,995.9	8,022.6	8,009.8	36.4	30.0	52.19	-931.0	-161.4	897.8	833.3	64.52	13.916				
8,250.0	8,020.8	8,044.2	8,031.4	36.4	30.0	52.50	-931.2	-161.6	895.8	831.3	64.52	13.885				
8,275.0	8,045.5	8,065.6	8,052.8	36.4	30.1	52.94	-931.4	-161.7	893.2	828.7	64.51	13.846				
8,300.0	8,069.9	8,086.9	8,074.1	36.4	30.1	53.50	-931.5	-161.8	889.8	825.3	64.48	13.800				
8,325.0	8,094.0	8,107.9	8,095.1	36.4	30.2	54.18	-931.6	-161.8	885.8	821.4	64.39	13.757 SF				
8,350.0	8,117.8	8,130.6	8,117.8	36.4	30.2	55.03	-931.6	-161.8	881.2	819.3	61.81	14.257				
8,375.0	8,141.1	8,153.9	8,141.1	36.4	30.2	56.03	-931.6	-161.8	875.8	814.2	61.56	14.226				
8,400.0	8,163.9	8,176.8	8,163.9	36.4	30.2	57.17	-931.6	-161.8	869.8	808.5	61.28	14.193				
8,425.0	8,186.2	8,199.0	8,186.2	36.4	30.2	58.45	-931.6	-161.8	863.2	802.3	60.96	14.160				
8,450.0	8,207.8	8,220.6	8,207.8	36.4	30.2	59.87	-931.6	-161.8	856.1	795.5	60.60	14.127				
8,475.0	8,228.7	8,241.6	8,228.7	36.4	30.2	61.41	-931.6	-161.8	848.5	788.3	60.20	14.096				
8,500.0	8,248.9	8,261.8	8,248.9	36.4	30.2	63.06	-931.6	-161.8	840.5	780.7	59.75	14.067				
8,525.0	8,268.3	8,281.1	8,268.3	36.4	30.2	64.83	-931.6	-161.8	832.0	772.8	59.26	14.040				

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 - _WILD THING FED COM 904H - OWB - PWPO													Offset Site Error:	0.0 usft	
Survey Program: 0-r.5 MWD+IFR1, 10177-r.5 MWD+IFR1+SAG+FDIR													Offset Well Error:		0.0 usft
Reference: 0-r.5 MWD+IFR1, 10177-r.5 MWD+IFR1+SAG+FDIR													Rule Assigned:		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning		
8,550.0	8,286.9	8,299.7	8,286.9	36.4	30.2	66.68	-931.6	-161.8	823.3	764.6	58.74	14.016			
8,575.0	8,304.5	8,317.3	8,304.5	36.4	30.2	68.60	-931.6	-161.8	814.4	756.2	58.20	13.994			
8,600.0	8,321.2	8,334.0	8,321.2	36.4	30.2	70.58	-931.6	-161.8	805.4	747.7	57.63	13.974			
8,625.0	8,336.9	8,349.7	8,336.9	36.4	30.2	72.58	-931.6	-161.8	796.2	739.2	57.06	13.955			
8,650.0	8,351.5	8,364.4	8,351.5	36.4	30.2	74.59	-931.6	-161.8	787.2	730.7	56.48	13.937			
8,675.0	8,365.1	8,377.9	8,365.1	36.4	30.2	76.58	-931.6	-161.8	778.2	722.3	55.89	13.923			
8,700.0	8,377.6	8,390.4	8,377.6	36.4	30.2	78.51	-931.6	-161.8	769.4	714.1	55.30	13.913			
8,725.0	8,388.9	8,401.7	8,388.9	36.4	30.2	80.36	-931.6	-161.8	760.9	706.2	54.70	13.912			
8,750.0	8,399.0	8,411.8	8,399.0	36.4	30.2	82.11	-931.6	-161.8	752.8	698.7	54.07	13.923			
8,775.0	8,407.9	8,420.7	8,407.9	36.5	30.2	83.73	-931.6	-161.8	745.1	691.7	53.41	13.950			
8,800.0	8,415.6	8,428.4	8,415.6	36.5	30.2	85.21	-931.6	-161.8	738.0	685.3	52.73	13.997			
8,825.0	8,422.0	8,434.8	8,422.0	36.5	30.2	86.52	-931.6	-161.8	731.5	679.5	52.00	14.067			
8,850.0	8,427.1	8,440.0	8,427.1	36.5	30.2	87.64	-931.6	-161.8	725.6	674.4	51.23	14.164			
8,875.0	8,431.0	8,443.8	8,431.0	36.5	30.2	88.58	-931.6	-161.8	720.5	670.1	50.43	14.288			
8,900.0	8,433.6	8,446.4	8,433.6	36.5	30.2	89.31	-931.6	-161.8	716.2	666.6	49.59	14.443			
8,925.0	8,434.8	8,447.6	8,434.8	36.5	30.2	89.83	-931.6	-161.8	712.8	664.0	48.72	14.631			
8,936.1	8,435.0	8,447.8	8,435.0	36.5	30.2	89.99	-931.6	-161.8	711.5	663.2	48.32	14.725			
9,000.0	8,435.0	8,447.8	8,435.0	36.5	30.2	90.00	-931.6	-161.8	707.5	661.7	45.78	15.456			
9,012.1	8,435.0	8,447.8	8,435.0	36.5	30.2	90.00	-931.6	-161.8	707.4	662.1	45.29	15.620			
9,100.0	8,435.1	8,447.9	8,435.1	36.5	30.2	90.01	-931.6	-161.8	712.8	671.0	41.81	17.051			
9,200.0	8,435.2	8,448.0	8,435.2	36.6	30.2	90.01	-931.6	-161.8	731.9	693.6	38.36	19.082			
9,300.0	8,435.3	8,448.1	8,435.3	36.6	30.2	90.02	-931.6	-161.8	763.7	727.8	35.93	21.256			
9,400.0	8,435.4	8,448.2	8,435.4	36.6	30.2	90.03	-931.6	-161.8	806.8	772.0	34.75	23.219			
9,500.0	8,435.5	8,448.3	8,435.5	36.7	30.2	90.04	-931.6	-161.8	859.3	824.7	34.68	24.780			
9,600.0	8,435.6	8,448.4	8,435.6	36.8	30.2	90.04	-931.6	-161.8	919.8	884.4	35.40	25.979			
9,700.0	8,435.7	8,448.5	8,435.7	36.8	30.2	90.05	-931.6	-161.8	986.7	950.1	36.59	26.969			

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 - _WILD THING FED COM 905H - OWB - PWPO													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+MS											Rule Assigned:		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	0.0	37.0	0.0	0.0	141.01	-311.1	251.9	402.0					
100.0	100.0	63.0	100.0	0.8	0.8	141.01	-311.1	251.9	400.3	398.3	2.02	198.297		
200.0	200.0	163.0	200.0	1.4	1.5	141.01	-311.1	251.9	400.3	396.9	3.44	116.505		
300.0	300.0	263.0	300.0	1.9	2.0	141.01	-311.1	251.9	400.3	396.0	4.30	93.004		
400.0	400.0	363.0	400.0	2.2	2.3	141.01	-311.1	251.9	400.3	395.3	5.01	79.894		
500.0	500.0	463.0	500.0	2.6	2.6	141.01	-311.1	251.9	400.3	394.7	5.62	71.174		
600.0	600.0	563.0	600.0	2.8	2.9	141.01	-311.1	251.9	400.3	394.1	6.18	64.814		
700.0	700.0	663.0	700.0	3.1	3.2	141.01	-311.1	251.9	400.3	393.6	6.68	59.900		
800.0	800.0	763.0	800.0	3.3	3.4	141.01	-311.1	251.9	400.3	393.1	7.15	55.948		
900.0	900.0	863.0	900.0	3.7	3.6	-69.38	-311.1	251.9	399.7	392.1	7.60	52.574		
1,000.0	999.8	962.8	999.8	4.0	3.8	-70.11	-311.1	251.9	397.9	389.8	8.01	49.646		
1,100.0	1,099.5	1,062.9	1,099.9	4.4	4.0	-71.29	-311.4	251.5	394.9	386.5	8.41	46.983		
1,200.0	1,198.7	1,163.3	1,200.3	4.7	4.3	-72.63	-313.2	249.1	390.9	382.1	8.76	44.608		
1,300.0	1,297.5	1,263.8	1,300.6	5.1	4.5	-74.14	-316.6	244.6	385.8	376.6	9.11	42.341		
1,400.0	1,395.6	1,364.4	1,400.9	5.5	4.8	-75.82	-321.5	238.0	379.6	370.2	9.45	40.152		
1,500.0	1,493.1	1,465.1	1,501.0	5.9	5.1	-77.70	-328.1	229.3	372.6	362.8	9.80	38.019		
1,600.0	1,589.6	1,565.9	1,600.8	6.3	5.4	-79.80	-336.2	218.4	364.7	354.5	10.15	35.925		
1,610.5	1,599.8	1,576.5	1,611.3	6.4	5.4	-80.04	-337.2	217.1	363.8	353.6	10.18	35.751		
1,700.0	1,685.7	1,666.9	1,700.6	6.7	5.7	-81.78	-346.0	205.4	356.3	345.8	10.54	33.811		
1,800.0	1,781.7	1,766.6	1,798.6	7.1	6.1	-83.50	-356.7	191.1	347.8	336.8	11.00	31.630		
1,900.0	1,877.7	1,865.7	1,896.1	7.5	6.5	-85.28	-367.5	176.8	339.6	328.2	11.43	29.704		
2,000.0	1,973.7	1,964.8	1,993.5	7.9	6.8	-87.15	-378.2	162.5	331.8	320.0	11.84	28.015		
2,100.0	2,069.8	2,063.9	2,091.0	8.3	7.2	-89.11	-389.0	148.2	324.3	312.1	12.28	26.418		
2,200.0	2,165.8	2,163.0	2,188.5	8.7	7.5	-91.15	-399.7	133.9	317.3	304.5	12.74	24.903		
2,300.0	2,261.8	2,262.1	2,285.9	9.1	7.9	-93.28	-410.4	119.6	310.6	297.4	13.24	23.465		
2,400.0	2,357.8	2,361.1	2,383.4	9.6	8.3	-95.50	-421.2	105.3	304.5	290.7	13.78	22.099		
2,500.0	2,453.9	2,460.2	2,480.8	10.0	8.7	-97.81	-431.9	91.0	298.7	284.4	14.36	20.803		
2,600.0	2,549.9	2,559.3	2,578.3	10.5	9.1	-100.20	-442.7	76.7	293.5	278.6	15.00	19.576		
2,700.0	2,645.9	2,658.4	2,675.8	10.9	9.5	-102.67	-453.4	62.4	288.9	273.2	15.69	18.417		
2,800.0	2,741.9	2,757.5	2,773.2	11.4	9.9	-105.22	-464.1	48.1	284.8	268.3	16.44	17.328		
2,900.0	2,838.0	2,856.6	2,870.7	11.8	10.3	-107.83	-474.9	33.8	281.3	264.0	17.25	16.310		
3,000.0	2,934.0	2,955.7	2,968.1	12.3	10.7	-110.51	-485.6	19.5	278.4	260.3	18.12	15.365		
3,100.0	3,030.0	3,054.8	3,065.6	12.8	11.1	-113.23	-496.3	5.2	276.1	257.0	19.05	14.495		
3,200.0	3,126.0	3,153.8	3,163.0	13.3	11.5	-115.99	-507.1	-9.1	274.5	254.4	20.03	13.700		
3,300.0	3,222.1	3,252.9	3,260.5	13.7	11.9	-118.78	-517.8	-23.4	273.5	252.4	21.07	12.978		
3,396.7	3,314.9	3,348.7	3,354.8	14.2	12.3	-121.49	-528.2	-37.3	273.2	251.1	22.12	12.349		
3,400.0	3,318.1	3,352.0	3,358.0	14.2	12.4	-121.58	-528.6	-37.8	273.2	251.0	22.16	12.329		
3,500.0	3,414.1	3,451.1	3,455.4	14.7	12.8	-124.38	-539.3	-52.1	273.5	250.3	23.28	11.750		
3,600.0	3,510.1	3,550.2	3,552.9	15.2	13.2	-127.17	-550.0	-66.4	274.6	250.1	24.43	11.237		
3,700.0	3,606.2	3,649.3	3,650.3	15.6	13.6	-129.93	-560.8	-80.7	276.2	250.6	25.61	10.787		
3,800.0	3,702.2	3,748.4	3,747.8	16.1	14.1	-132.65	-571.5	-95.0	278.5	251.7	26.80	10.394		
3,900.0	3,798.2	3,847.4	3,845.3	16.6	14.5	-135.32	-582.3	-109.3	281.5	253.5	28.00	10.054		
4,000.0	3,894.2	3,946.5	3,942.7	17.1	14.9	-137.93	-593.0	-123.6	285.0	255.8	29.20	9.763		
4,100.0	3,990.3	4,045.6	4,040.2	17.6	15.4	-140.47	-603.7	-137.9	289.2	258.8	30.39	9.516		
4,200.0	4,086.3	4,144.7	4,137.6	18.1	15.8	-142.94	-614.5	-152.2	293.9	262.3	31.57	9.308		
4,300.0	4,182.3	4,243.8	4,235.1	18.6	16.3	-145.32	-625.2	-166.5	299.1	266.4	32.74	9.135		
4,400.0	4,278.3	4,342.9	4,332.6	19.1	16.7	-147.62	-636.0	-180.8	304.8	270.9	33.90	8.994		
4,500.0	4,374.3	4,442.0	4,430.0	19.5	17.1	-149.84	-646.7	-195.1	311.1	276.0	35.03	8.880		
4,600.0	4,470.4	4,541.1	4,527.5	20.0	17.6	-151.96	-657.4	-209.4	317.7	281.6	36.14	8.791		
4,700.0	4,566.4	4,640.1	4,624.9	20.5	18.0	-154.00	-668.2	-223.7	324.8	287.6	37.23	8.724		
4,800.0	4,662.4	4,739.2	4,722.4	21.0	18.5	-155.95	-678.9	-238.0	332.3	294.0	38.30	8.676		

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 - _WILD THING FED COM 905H - OWB - PWPO													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+MS											Rule Assigned:		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)				
4,900.0	4,758.4	4,838.3	4,819.8	21.5	18.9	-157.81	-689.7	-252.3	340.2	300.8	39.35	8.644		
5,000.0	4,854.5	4,937.4	4,917.3	22.0	19.3	-159.59	-700.4	-266.6	348.4	308.0	40.38	8.628		
5,100.0	4,950.5	5,036.5	5,014.8	22.5	19.8	-161.28	-711.1	-280.9	356.9	315.5	41.39	8.624		
5,200.0	5,046.5	5,135.6	5,112.2	23.0	20.2	-162.90	-721.9	-295.2	365.7	323.3	42.37	8.631		
5,300.0	5,142.5	5,234.7	5,209.7	23.5	20.7	-164.44	-732.6	-309.5	374.8	331.5	43.34	8.648		
5,400.0	5,238.6	5,333.8	5,307.1	24.0	21.1	-165.90	-743.4	-323.8	384.2	339.9	44.30	8.673		
5,500.0	5,334.6	5,432.8	5,404.6	24.5	21.6	-167.30	-754.1	-338.1	393.8	348.5	45.23	8.706		
5,600.0	5,430.6	5,531.9	5,502.1	25.0	22.0	-168.63	-764.8	-352.4	403.6	357.4	46.15	8.745		
5,700.0	5,526.6	5,631.0	5,599.5	25.5	22.5	-169.89	-775.6	-366.7	413.6	366.6	47.06	8.789		
5,800.0	5,622.7	5,730.1	5,697.0	26.0	22.9	-171.10	-786.3	-381.0	423.8	375.9	47.95	8.838		
5,900.0	5,718.7	5,829.2	5,794.4	26.5	23.4	-172.25	-797.1	-395.4	434.2	385.4	48.84	8.891		
6,000.0	5,814.7	5,928.3	5,891.9	27.0	23.8	-173.34	-807.8	-409.7	444.8	395.1	49.71	8.948		
6,100.0	5,910.7	6,027.4	5,989.4	27.5	24.3	-174.39	-818.5	-424.0	455.5	404.9	50.57	9.007		
6,200.0	6,006.8	6,126.4	6,086.8	28.0	24.7	-175.38	-829.3	-438.3	466.4	414.9	51.42	9.069		
6,300.0	6,102.8	6,225.5	6,184.3	28.5	25.2	-176.33	-840.0	-452.6	477.4	425.1	52.27	9.133		
6,400.0	6,198.8	6,324.6	6,281.7	29.0	25.6	-177.24	-850.8	-466.9	488.5	435.4	53.11	9.198		
6,500.0	6,294.8	6,423.7	6,379.2	29.5	26.1	-178.11	-861.5	-481.2	499.7	445.8	53.94	9.265		
6,557.9	6,350.5	6,481.1	6,435.7	29.8	26.3	-178.59	-867.7	-489.5	506.3	451.9	54.41	9.305		
6,600.0	6,390.9	6,522.8	6,476.7	30.0	26.5	-178.94	-872.2	-495.5	510.9	456.2	54.75	9.332		
6,700.0	6,487.4	6,622.1	6,574.3	30.5	27.0	-179.73	-883.0	-509.8	520.8	465.2	55.56	9.372		
6,800.0	6,584.3	6,721.5	6,672.1	30.9	27.4	-179.50	-893.8	-524.2	529.0	472.6	56.37	9.384		
6,900.0	6,681.6	6,821.0	6,770.0	31.4	27.9	-178.76	-904.6	-538.5	535.5	478.4	57.15	9.370		
7,000.0	6,779.3	6,920.7	6,868.0	31.9	28.3	-178.03	-915.4	-552.9	540.4	482.5	57.92	9.330		
7,100.0	6,877.3	7,020.4	6,966.1	32.4	28.8	-177.30	-926.2	-567.3	543.7	485.0	58.67	9.266		
7,200.0	6,975.7	7,120.1	7,064.2	32.8	29.2	-176.57	-937.0	-581.7	545.3	485.9	59.40	9.179		
7,300.0	7,074.4	7,219.9	7,162.3	33.3	29.7	-175.83	-947.8	-596.1	545.2	485.1	60.11	9.071		
7,400.0	7,173.4	7,312.2	7,253.2	33.7	30.1	-175.16	-957.4	-608.9	544.1	483.4	60.71	8.963		
7,500.0	7,272.6	7,404.3	7,344.1	34.1	30.5	-174.55	-966.1	-620.5	542.8	481.6	61.29	8.856		
7,600.0	7,372.0	7,500.0	7,438.9	34.5	30.9	-173.97	-974.2	-631.3	541.3	479.4	61.89	8.747		
7,700.0	7,471.5	7,588.7	7,526.9	34.9	31.3	-173.48	-980.9	-640.2	539.5	477.1	62.36	8.651		
7,800.0	7,571.3	7,681.0	7,618.7	35.3	31.7	-173.03	-987.0	-648.3	537.3	474.5	62.85	8.550		
7,900.0	7,671.1	7,773.4	7,710.7	35.7	32.0	-172.64	-992.2	-655.2	534.9	471.6	63.29	8.452		
8,000.0	7,771.0	7,865.9	7,802.9	36.0	32.4	-172.29	-996.5	-661.0	532.2	468.5	63.70	8.355		
8,100.0	7,871.0	7,958.5	7,895.2	36.3	32.7	-172.01	-999.9	-665.5	529.1	465.1	64.04	8.262		
8,179.0	7,950.0	8,031.6	7,968.3	36.4	32.9	-171.95	-1,002.0	-668.3	526.5	460.3	66.20	7.953		
8,186.5	7,957.5	8,038.6	7,975.3	36.4	33.0	-171.94	-1,002.2	-668.5	526.2	460.0	66.20	7.949		
8,200.0	7,971.0	8,051.1	7,987.7	36.4	33.0	-172.38	-1,002.4	-668.9	525.6	459.4	66.18	7.942		
8,225.0	7,995.9	8,074.2	8,010.8	36.4	33.1	-172.48	-1,002.9	-669.5	523.6	457.4	66.24	7.904		
8,250.0	8,020.8	8,100.0	8,036.6	36.4	33.2	-172.70	-1,003.4	-670.2	520.5	454.1	66.38	7.841		
8,275.0	8,045.5	8,120.0	8,056.7	36.4	33.2	-173.01	-1,003.7	-670.6	516.2	449.9	66.38	7.777		
8,300.0	8,069.9	8,142.6	8,079.3	36.4	33.3	-173.45	-1,004.1	-671.0	510.9	444.4	66.47	7.686		
8,325.0	8,094.0	8,165.0	8,101.6	36.4	33.3	-174.02	-1,004.3	-671.4	504.5	437.9	66.59	7.576		
8,350.0	8,117.8	8,187.0	8,123.6	36.4	33.4	-174.73	-1,004.5	-671.7	497.0	430.3	66.73	7.449		
8,375.0	8,141.1	8,208.6	8,145.3	36.4	33.4	-175.58	-1,004.7	-671.9	488.6	421.7	66.84	7.309		
8,400.0	8,163.9	8,229.9	8,166.5	36.4	33.5	-176.60	-1,004.8	-672.0	479.1	412.1	66.92	7.158		
8,425.0	8,186.2	8,250.6	8,187.2	36.4	33.5	-177.80	-1,004.8	-672.1	468.6	401.6	67.02	6.992		
8,450.0	8,207.8	8,271.2	8,207.8	36.4	33.5	-179.22	-1,004.8	-672.1	457.2	392.6	64.63	7.075		
8,475.0	8,228.7	8,292.1	8,228.7	36.4	33.5	-180.90	-1,004.8	-672.1	444.9	380.2	64.70	6.877		
8,500.0	8,248.9	8,312.3	8,248.9	36.4	33.5	-182.85	-1,004.8	-672.1	431.8	367.0	64.79	6.664		
8,525.0	8,268.3	8,331.7	8,268.3	36.4	33.5	-185.09	-1,004.8	-672.1	417.8	352.9	64.90	6.437		
8,550.0	8,286.9	8,350.3	8,286.9	36.4	33.5	-187.66	-1,004.8	-672.1	403.1	338.0	65.04	6.197		

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 - _WILD THING FED COM 905H - OWB - PWPO													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		Rule Assigned:	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor		
8,575.0	8,304.5	8,367.9	8,304.5	36.4	33.5	40.58	-1,004.8	-672.1	387.7	322.5	65.21	5.946		
8,600.0	8,321.2	8,384.6	8,321.2	36.4	33.5	43.88	-1,004.8	-672.1	371.8	306.4	65.39	5.686		
8,625.0	8,336.9	8,400.3	8,336.9	36.4	33.5	47.56	-1,004.8	-672.1	355.4	289.8	65.59	5.419		
8,650.0	8,351.5	8,414.9	8,351.5	36.4	33.5	51.61	-1,004.8	-672.1	338.7	273.0	65.79	5.149		
8,675.0	8,365.1	8,428.5	8,365.1	36.4	33.5	55.98	-1,004.8	-672.1	321.9	255.9	65.97	4.879		
8,700.0	8,377.6	8,440.9	8,377.6	36.4	33.5	60.59	-1,004.8	-672.1	305.0	238.9	66.12	4.613		
8,725.0	8,388.9	8,452.2	8,388.9	36.4	33.5	65.31	-1,004.8	-672.1	288.3	222.1	66.19	4.356		
8,750.0	8,399.0	8,462.4	8,399.0	36.4	33.5	69.99	-1,004.8	-672.1	272.0	205.9	66.13	4.114		
8,775.0	8,407.9	8,471.3	8,407.9	36.5	33.5	74.47	-1,004.8	-672.1	256.5	190.6	65.89	3.892		
8,800.0	8,415.6	8,479.0	8,415.6	36.5	33.5	78.57	-1,004.8	-672.1	241.9	176.5	65.37	3.700		
8,825.0	8,422.0	8,485.4	8,422.0	36.5	33.5	82.18	-1,004.8	-672.1	228.6	164.2	64.48	3.546		
8,850.0	8,427.1	8,490.5	8,427.1	36.5	33.5	85.17	-1,004.8	-672.1	217.2	154.1	63.10	3.442		
8,875.0	8,431.0	8,494.4	8,431.0	36.5	33.5	87.47	-1,004.8	-672.1	207.9	146.8	61.14	3.400 SF		
8,900.0	8,433.6	8,496.9	8,433.6	36.5	33.5	89.05	-1,004.8	-672.1	201.2	142.6	58.55	3.436		
8,925.0	8,434.8	8,498.2	8,434.8	36.5	33.5	89.88	-1,004.8	-672.1	197.4	142.0	55.40	3.564 ES		
8,936.1	8,435.0	8,498.3	8,435.0	36.5	33.5	90.00	-1,004.8	-672.1	196.7	142.9	53.86	3.653		
8,942.7	8,435.0	8,498.3	8,435.0	36.5	33.5	90.00	-1,004.8	-672.1	196.6	143.7	52.90	3.717 CC		
9,000.0	8,435.0	8,498.4	8,435.0	36.5	33.5	90.02	-1,004.8	-672.1	204.8	160.0	44.75	4.576		
9,100.0	8,435.1	8,498.5	8,435.1	36.5	33.5	90.04	-1,004.8	-672.1	251.8	214.1	37.71	6.677		
9,200.0	8,435.2	8,498.6	8,435.2	36.6	33.5	90.07	-1,004.8	-672.1	323.8	284.7	39.05	8.291		
9,300.0	8,435.3	8,498.7	8,435.3	36.6	33.5	90.10	-1,004.8	-672.1	407.8	365.8	42.03	9.703		
9,400.0	8,435.4	8,498.8	8,435.4	36.6	33.5	90.12	-1,004.8	-672.1	497.7	453.2	44.56	11.171		
9,500.0	8,435.5	8,498.9	8,435.5	36.7	33.5	90.15	-1,004.8	-672.1	590.9	544.4	46.48	12.713		
9,600.0	8,435.6	8,498.9	8,435.6	36.8	33.5	90.18	-1,004.8	-672.1	686.0	638.1	47.94	14.309		
9,700.0	8,435.7	8,499.0	8,435.7	36.8	33.5	90.20	-1,004.8	-672.1	782.4	733.3	49.07	15.943		
9,800.0	8,435.8	8,499.1	8,435.8	36.9	33.5	90.23	-1,004.8	-672.1	879.5	829.6	49.97	17.603		
9,900.0	8,435.8	8,499.2	8,435.8	37.0	33.5	90.26	-1,004.8	-672.1	977.2	926.6	50.68	19.283		

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 - _WILD THING FED COM 906H - OWB - PWPO														Offset Site Error:	0.0 usft		
Survey Program: 0-r.5 MWD+IFR1+MS														Rule Assigned:		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)							
3,600.0	3,510.1	3,512.7	3,520.3	15.2	12.8	37.73	-968.2	-1,237.9	982.3	960.1	22.24	44.169					
3,700.0	3,606.2	3,609.2	3,616.0	15.6	13.2	38.02	-978.7	-1,232.3	958.9	936.1	22.82	42.019					
3,800.0	3,702.2	3,705.5	3,711.7	16.1	13.6	38.38	-988.4	-1,227.1	935.7	912.3	23.40	39.993					
3,900.0	3,798.2	3,801.8	3,807.5	16.6	13.9	38.80	-997.4	-1,222.3	912.5	888.5	23.96	38.083					
4,000.0	3,894.2	3,898.1	3,903.3	17.1	14.3	39.30	-1,005.8	-1,217.9	889.5	864.9	24.52	36.281					
4,100.0	3,990.3	3,994.2	3,999.0	17.6	14.7	39.88	-1,013.4	-1,213.8	866.6	841.5	25.06	34.580					
4,200.0	4,086.3	4,090.2	4,094.7	18.1	15.0	40.54	-1,020.2	-1,210.2	843.9	818.3	25.59	32.975					
4,300.0	4,182.3	4,186.1	4,190.3	18.6	15.4	41.29	-1,026.4	-1,206.9	821.5	795.4	26.11	31.460					
4,400.0	4,278.3	4,281.8	4,285.9	19.1	15.7	42.15	-1,031.9	-1,204.0	799.3	772.7	26.62	30.031					
4,500.0	4,374.3	4,377.5	4,381.4	19.5	16.1	43.10	-1,036.6	-1,201.5	777.5	750.4	27.11	28.683					
4,600.0	4,470.4	4,472.9	4,476.7	20.0	16.4	44.17	-1,040.6	-1,199.3	756.0	728.4	27.58	27.414					
4,700.0	4,566.4	4,568.2	4,571.9	20.5	16.7	45.36	-1,043.9	-1,197.6	735.0	707.0	28.03	26.220					
4,800.0	4,662.4	4,663.3	4,667.0	21.0	17.0	46.67	-1,046.6	-1,196.2	714.5	686.0	28.47	25.098					
4,900.0	4,758.4	4,758.2	4,761.8	21.5	17.2	48.12	-1,048.5	-1,195.2	694.6	665.7	28.88	24.048					
5,000.0	4,854.5	4,852.9	4,856.5	22.0	17.5	49.71	-1,049.7	-1,194.5	675.4	646.2	29.28	23.068					
5,100.0	4,950.5	4,947.3	4,951.0	22.5	17.6	51.44	-1,050.2	-1,194.2	657.1	627.5	29.64	22.171					
5,200.0	5,046.5	5,042.9	5,046.5	23.0	17.7	53.33	-1,050.3	-1,194.2	639.6	609.7	29.94	21.361					
5,300.0	5,142.5	5,138.9	5,142.5	23.5	17.7	55.34	-1,050.3	-1,194.2	622.9	592.7	30.22	20.610					
5,400.0	5,238.6	5,234.9	5,238.6	24.0	17.8	57.45	-1,050.3	-1,194.2	607.0	576.5	30.49	19.911					
5,500.0	5,334.6	5,331.0	5,334.6	24.5	17.8	59.66	-1,050.3	-1,194.2	592.0	561.3	30.74	19.260					
5,600.0	5,430.6	5,427.0	5,430.6	25.0	17.8	61.97	-1,050.3	-1,194.2	578.0	547.0	30.98	18.656					
5,700.0	5,526.6	5,523.0	5,526.6	25.5	17.9	64.39	-1,050.3	-1,194.2	565.0	533.7	31.22	18.097					
5,800.0	5,622.7	5,619.0	5,622.7	26.0	17.9	66.91	-1,050.3	-1,194.2	553.1	521.6	31.46	17.579					
5,900.0	5,718.7	5,715.1	5,718.7	26.5	17.9	69.53	-1,050.3	-1,194.2	542.3	510.6	31.71	17.100					
6,000.0	5,814.7	5,811.1	5,814.7	27.0	18.0	72.25	-1,050.3	-1,194.2	532.9	500.9	31.99	16.658					
6,100.0	5,910.7	5,907.1	5,910.7	27.5	18.0	75.04	-1,050.3	-1,194.2	524.7	492.4	32.29	16.249					
6,200.0	6,006.8	6,003.1	6,006.8	28.0	18.0	77.91	-1,050.3	-1,194.2	517.9	485.3	32.63	15.871					
6,300.0	6,102.8	6,099.1	6,102.8	28.5	18.1	80.85	-1,050.3	-1,194.2	512.6	479.5	33.02	15.520					
6,400.0	6,198.8	6,195.2	6,198.8	29.0	18.1	83.83	-1,050.3	-1,194.2	508.7	475.2	33.48	15.195					
6,500.0	6,294.8	6,291.2	6,294.8	29.5	18.1	86.85	-1,050.3	-1,194.2	506.3	472.3	34.00	14.893					
6,557.9	6,350.5	6,346.8	6,350.5	29.8	18.1	88.61	-1,050.3	-1,194.2	505.7	471.3	34.32	14.734					
6,600.0	6,390.9	6,387.3	6,390.9	30.0	18.2	89.87	-1,050.3	-1,194.2	505.5	470.9	34.56	14.625					
6,604.4	6,395.2	6,391.5	6,395.2	30.0	18.2	90.00	-1,050.3	-1,194.2	505.5	470.9	34.59	14.614					
6,700.0	6,487.4	6,483.7	6,487.4	30.5	18.2	92.76	-1,050.3	-1,194.2	506.1	470.9	35.20	14.379					
6,800.0	6,584.3	6,580.6	6,584.3	30.9	18.2	95.47	-1,050.3	-1,194.2	507.9	472.1	35.86	14.164					
6,900.0	6,681.6	6,677.9	6,681.6	31.4	18.3	98.00	-1,050.3	-1,194.2	510.7	474.2	36.54	13.976					
7,000.0	6,779.3	6,775.7	6,779.3	31.9	18.3	100.33	-1,050.3	-1,194.2	514.2	477.0	37.22	13.813					
7,100.0	6,877.3	6,873.7	6,877.3	32.4	18.3	102.46	-1,050.3	-1,194.2	518.1	480.2	37.90	13.671					
7,200.0	6,975.7	6,972.1	6,975.7	32.8	18.4	104.39	-1,050.3	-1,194.2	522.3	483.8	38.56	13.547					
7,300.0	7,074.4	7,070.8	7,074.4	33.3	18.4	106.11	-1,050.3	-1,194.2	526.6	487.4	39.19	13.437					
7,400.0	7,173.4	7,169.7	7,173.4	33.7	18.5	107.63	-1,050.3	-1,194.2	530.9	491.1	39.79	13.341					
7,500.0	7,272.6	7,268.9	7,272.6	34.1	18.5	108.95	-1,050.3	-1,194.2	534.9	494.5	40.36	13.254					
7,600.0	7,372.0	7,368.3	7,372.0	34.5	18.5	110.08	-1,050.3	-1,194.2	538.5	497.7	40.87	13.176					
7,700.0	7,471.5	7,467.9	7,471.5	34.9	18.6	111.03	-1,050.3	-1,194.2	541.8	500.5	41.35	13.104					
7,800.0	7,571.3	7,567.6	7,571.3	35.3	18.6	111.79	-1,050.3	-1,194.2	544.5	502.8	41.77	13.038					
7,900.0	7,671.1	7,667.5	7,671.1	35.7	18.7	112.36	-1,050.3	-1,194.2	546.7	504.6	42.13	12.977					
8,000.0	7,771.0	7,767.4	7,771.0	36.0	18.7	112.76	-1,050.3	-1,194.2	548.2	505.8	42.43	12.920					
8,100.0	7,871.0	7,867.4	7,871.0	36.3	18.7	112.99	-1,050.3	-1,194.2	549.1	506.4	42.67	12.870					
8,179.0	7,950.0	7,946.4	7,950.0	36.4	18.8	-36.82	-1,050.3	-1,194.2	549.3	506.8	42.47	12.934					
8,186.5	7,957.5	7,953.9	7,957.5	36.4	18.8	-36.82	-1,050.3	-1,194.2	549.3	506.8	42.47	12.933					
8,200.0	7,971.0	7,967.3	7,971.0	36.4	18.8	-36.41	-1,050.3	-1,194.2	549.2	506.7	42.46	12.933					

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 - _WILD THING FED COM 906H - OWB - PWPO													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)	No-Go Distance (usft)			
8,225.0	7,995.9	7,992.3	7,995.9	36.4	18.8	-36.57	-1,050.3	-1,194.2	548.1	505.6	42.44	12.913		
8,250.0	8,020.8	8,017.2	8,020.8	36.4	18.8	-36.89	-1,050.3	-1,194.2	545.9	503.5	42.39	12.878		
8,275.0	8,045.5	8,041.8	8,045.5	36.4	18.8	-37.37	-1,050.3	-1,194.2	542.8	500.4	42.32	12.826		
8,300.0	8,069.9	8,066.3	8,069.9	36.4	18.8	-38.02	-1,050.3	-1,194.2	538.6	496.4	42.21	12.758		
8,325.0	8,094.0	8,090.4	8,094.0	36.4	18.8	-38.84	-1,050.3	-1,194.2	533.4	491.3	42.08	12.676		
8,350.0	8,117.8	8,114.2	8,117.8	36.4	18.8	-39.85	-1,050.3	-1,194.2	527.3	485.3	41.91	12.580		
8,375.0	8,141.1	8,137.5	8,141.1	36.4	18.9	-41.04	-1,050.3	-1,194.2	520.2	478.5	41.71	12.471		
8,400.0	8,163.9	8,160.3	8,163.9	36.4	18.9	-42.43	-1,050.3	-1,194.2	512.3	470.8	41.48	12.351		
8,425.0	8,186.2	8,182.6	8,186.2	36.4	18.9	-44.04	-1,050.3	-1,194.2	503.5	462.3	41.20	12.222		
8,450.0	8,207.8	8,204.2	8,207.8	36.4	18.9	-45.86	-1,050.3	-1,194.2	494.1	453.2	40.88	12.085		
8,475.0	8,228.7	8,225.1	8,228.7	36.4	18.9	-47.91	-1,050.3	-1,194.2	483.9	443.3	40.52	11.941		
8,500.0	8,248.9	8,245.3	8,248.9	36.4	18.9	-50.18	-1,050.3	-1,194.2	473.1	433.0	40.12	11.791		
8,525.0	8,268.3	8,264.7	8,268.3	36.4	18.9	-52.69	-1,050.3	-1,194.2	461.8	422.1	39.70	11.633		
8,550.0	8,286.9	8,283.2	8,286.9	36.4	18.9	-55.41	-1,050.3	-1,194.2	450.1	410.8	39.26	11.464		
8,575.0	8,304.5	8,300.9	8,304.5	36.4	18.9	-58.33	-1,050.3	-1,194.2	438.0	399.2	38.82	11.283		
8,600.0	8,321.2	8,317.6	8,321.2	36.4	18.9	-61.41	-1,050.3	-1,194.2	425.8	387.4	38.40	11.090		
8,625.0	8,336.9	8,333.3	8,336.9	36.4	18.9	-64.62	-1,050.3	-1,194.2	413.6	375.6	37.99	10.887		
8,650.0	8,351.5	8,347.9	8,351.5	36.4	18.9	-67.89	-1,050.3	-1,194.2	401.4	363.8	37.60	10.676		
8,675.0	8,365.1	8,361.5	8,365.1	36.4	18.9	-71.17	-1,050.3	-1,194.2	389.5	352.3	37.24	10.460		
8,700.0	8,377.6	8,373.9	8,377.6	36.4	19.0	-74.38	-1,050.3	-1,194.2	378.1	341.1	36.93	10.237		
8,725.0	8,388.9	8,385.2	8,388.9	36.4	19.0	-77.44	-1,050.3	-1,194.2	367.3	330.6	36.70	10.007		
8,750.0	8,399.0	8,395.4	8,399.0	36.4	19.0	-80.28	-1,050.3	-1,194.2	357.3	320.7	36.58	9.768		
8,775.0	8,407.9	8,404.3	8,407.9	36.5	19.0	-82.85	-1,050.3	-1,194.2	348.4	311.8	36.59	9.520		
8,800.0	8,415.6	8,411.9	8,415.6	36.5	19.0	-85.08	-1,050.3	-1,194.2	340.7	303.9	36.79	9.261		
8,825.0	8,422.0	8,418.4	8,422.0	36.5	19.0	-86.94	-1,050.3	-1,194.2	334.4	297.3	37.18	8.996		
8,850.0	8,427.1	8,423.5	8,427.1	36.5	19.0	-88.39	-1,050.3	-1,194.2	329.8	292.0	37.78	8.730		
8,875.0	8,431.0	8,427.4	8,431.0	36.5	19.0	-89.41	-1,050.3	-1,194.2	326.9	288.3	38.58	8.473		
8,900.0	8,433.6	8,429.9	8,433.6	36.5	19.0	-89.98	-1,050.3	-1,194.2	325.9	286.3	39.56	8.236		
8,901.2	8,433.7	8,430.0	8,433.7	36.5	19.0	-90.00	-1,050.3	-1,194.2	325.9	286.2	39.62	8.225 CC		
8,925.0	8,434.8	8,431.2	8,434.8	36.5	19.0	-90.10	-1,050.3	-1,194.2	326.7	286.0	40.69	8.031 ES		
8,936.1	8,435.0	8,431.3	8,435.0	36.5	19.0	-90.01	-1,050.3	-1,194.2	327.7	286.5	41.21	7.952		
9,000.0	8,435.0	8,431.4	8,435.0	36.5	19.0	-90.02	-1,050.3	-1,194.2	340.5	296.3	44.22	7.699 SF		
9,100.0	8,435.1	8,431.5	8,435.1	36.5	19.0	-90.03	-1,050.3	-1,194.2	381.7	333.3	48.33	7.896		
9,200.0	8,435.2	8,431.6	8,435.2	36.6	19.0	-90.05	-1,050.3	-1,194.2	442.1	390.9	51.12	8.648		
9,300.0	8,435.3	8,431.7	8,435.3	36.6	19.0	-90.06	-1,050.3	-1,194.2	514.9	462.1	52.82	9.749		
9,400.0	8,435.4	8,431.8	8,435.4	36.6	19.0	-90.08	-1,050.3	-1,194.2	595.7	541.9	53.85	11.064		
9,500.0	8,435.5	8,431.8	8,435.5	36.7	19.0	-90.10	-1,050.3	-1,194.2	681.7	627.2	54.46	12.516		
9,600.0	8,435.6	8,431.9	8,435.6	36.8	19.0	-90.11	-1,050.3	-1,194.2	771.0	716.1	54.83	14.060		
9,700.0	8,435.7	8,432.0	8,435.7	36.8	19.0	-90.13	-1,050.3	-1,194.2	862.6	807.6	55.04	15.673		
9,800.0	8,435.8	8,432.1	8,435.8	36.9	19.0	-90.14	-1,050.3	-1,194.2	956.0	900.8	55.14	17.339		

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 - _WILD THING FED COM 907H - OWB - PWPO														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)				
6,400.0	6,198.8	6,183.8	6,185.2	29.0	17.8	72.52	-1,045.1	-1,699.5	993.5	961.9	31.52	31.515		
6,500.0	6,294.8	6,283.7	6,285.0	29.5	18.1	73.89	-1,047.9	-1,701.3	986.3	954.7	31.64	31.171		
6,557.9	6,350.5	6,341.3	6,342.7	29.8	18.3	74.71	-1,049.2	-1,702.2	982.3	950.6	31.69	30.997		
6,600.0	6,390.9	6,383.1	6,384.5	30.0	18.4	75.28	-1,050.1	-1,702.7	979.5	947.8	31.72	30.878		
6,700.0	6,487.4	6,482.6	6,483.9	30.5	18.6	76.62	-1,051.5	-1,703.6	973.4	941.6	31.82	30.588		
6,800.0	6,584.3	6,582.0	6,583.3	30.9	18.8	77.94	-1,052.1	-1,704.1	968.0	936.1	31.92	30.324		
6,900.0	6,681.6	6,680.3	6,681.6	31.4	18.9	79.21	-1,052.2	-1,704.1	963.4	931.4	32.01	30.095		
7,000.0	6,779.3	6,778.0	6,779.3	31.9	18.9	80.39	-1,052.2	-1,704.1	959.5	927.4	32.11	29.886		
7,100.0	6,877.3	6,876.0	6,877.3	32.4	19.0	81.49	-1,052.2	-1,704.1	956.4	924.2	32.22	29.682		
7,200.0	6,975.7	6,974.4	6,975.7	32.8	19.0	82.51	-1,052.2	-1,704.1	953.9	921.5	32.35	29.486		
7,300.0	7,074.4	7,073.1	7,074.4	33.3	19.1	83.44	-1,052.2	-1,704.1	951.9	919.4	32.49	29.298		
7,400.0	7,173.4	7,172.1	7,173.4	33.7	19.1	84.28	-1,052.2	-1,704.1	950.3	917.7	32.64	29.117		
7,500.0	7,272.6	7,271.3	7,272.6	34.1	19.1	85.03	-1,052.2	-1,704.1	949.1	916.3	32.79	28.945		
7,600.0	7,372.0	7,370.6	7,372.0	34.5	19.2	85.67	-1,052.2	-1,704.1	948.2	915.3	32.95	28.781		
7,700.0	7,471.5	7,470.2	7,471.5	34.9	19.2	86.22	-1,052.2	-1,704.1	947.6	914.5	33.10	28.627		
7,800.0	7,571.3	7,569.9	7,571.3	35.3	19.2	86.67	-1,052.2	-1,704.1	947.1	913.8	33.25	28.482		
7,900.0	7,671.1	7,669.8	7,671.1	35.7	19.3	87.01	-1,052.2	-1,704.1	946.8	913.4	33.40	28.348		
8,000.0	7,771.0	7,769.7	7,771.0	36.0	19.3	87.25	-1,052.2	-1,704.1	946.6	913.0	33.54	28.224		
8,100.0	7,871.0	7,869.7	7,871.0	36.3	19.4	87.38	-1,052.2	-1,704.1	946.5	912.8	33.67	28.110		
8,179.0	7,950.0	7,948.7	7,950.0	36.4	19.4	-62.45	-1,052.2	-1,704.1	946.4	912.7	33.73	28.056		
8,186.5	7,957.5	7,956.2	7,957.5	36.4	19.4	-62.45	-1,052.2	-1,704.1	946.4	912.7	33.74	28.055		
8,200.0	7,971.0	7,969.7	7,971.0	36.4	19.4	-62.03	-1,052.2	-1,704.1	946.4	912.6	33.74	28.048		
8,225.0	7,995.9	7,994.6	7,995.9	36.4	19.4	-62.17	-1,052.2	-1,704.1	945.7	912.0	33.76	28.014		
8,250.0	8,020.8	8,019.5	8,020.8	36.4	19.4	-62.45	-1,052.2	-1,704.1	944.5	910.7	33.78	27.963		
8,275.0	8,045.5	8,044.2	8,045.5	36.4	19.4	-62.85	-1,052.2	-1,704.1	942.6	908.8	33.80	27.893		
8,300.0	8,069.9	8,068.6	8,069.9	36.4	19.4	-63.39	-1,052.2	-1,704.1	940.2	906.4	33.82	27.803		
8,325.0	8,094.0	8,092.7	8,094.0	36.4	19.4	-64.06	-1,052.2	-1,704.1	937.3	903.4	33.84	27.693		
8,350.0	8,117.8	8,116.5	8,117.8	36.4	19.5	-64.86	-1,052.2	-1,704.1	933.8	899.9	33.88	27.564		
8,375.0	8,141.1	8,139.8	8,141.1	36.4	19.5	-65.77	-1,052.2	-1,704.1	929.8	895.9	33.91	27.415		
8,400.0	8,163.9	8,162.6	8,163.9	36.4	19.5	-66.80	-1,052.2	-1,704.1	925.3	891.4	33.96	27.246		
8,425.0	8,186.2	8,184.9	8,186.2	36.4	19.5	-67.94	-1,052.2	-1,704.1	920.5	886.5	34.02	27.057		
8,450.0	8,207.8	8,206.5	8,207.8	36.4	19.5	-69.18	-1,052.2	-1,704.1	915.3	881.2	34.09	26.849		
8,475.0	8,228.7	8,227.4	8,228.7	36.4	19.5	-70.50	-1,052.2	-1,704.1	909.8	875.7	34.18	26.621		
8,500.0	8,248.9	8,247.6	8,248.9	36.4	19.5	-71.90	-1,052.2	-1,704.1	904.1	869.8	34.28	26.375		
8,525.0	8,268.3	8,267.0	8,268.3	36.4	19.5	-73.36	-1,052.2	-1,704.1	898.2	863.8	34.40	26.111		
8,550.0	8,286.9	8,285.6	8,286.9	36.4	19.5	-74.86	-1,052.2	-1,704.1	892.2	857.7	34.54	25.832		
8,575.0	8,304.5	8,303.2	8,304.5	36.4	19.5	-76.39	-1,052.2	-1,704.1	886.2	851.5	34.70	25.538		
8,600.0	8,321.2	8,319.9	8,321.2	36.4	19.5	-77.92	-1,052.2	-1,704.1	880.2	845.3	34.88	25.231		
8,625.0	8,336.9	8,335.6	8,336.9	36.4	19.5	-79.44	-1,052.2	-1,704.1	874.2	839.2	35.09	24.911		
8,650.0	8,351.5	8,350.2	8,351.5	36.4	19.5	-80.93	-1,052.2	-1,704.1	868.5	833.2	35.34	24.579		
8,675.0	8,365.1	8,363.8	8,365.1	36.4	19.6	-82.36	-1,052.2	-1,704.1	863.0	827.4	35.61	24.234		
8,700.0	8,377.6	8,376.3	8,377.6	36.4	19.6	-83.71	-1,052.2	-1,704.1	857.9	822.0	35.93	23.876		
8,725.0	8,388.9	8,387.6	8,388.9	36.4	19.6	-84.98	-1,052.2	-1,704.1	853.1	816.8	36.30	23.504		
8,750.0	8,399.0	8,397.7	8,399.0	36.4	19.6	-86.13	-1,052.2	-1,704.1	848.8	812.1	36.71	23.121		
8,775.0	8,407.9	8,406.6	8,407.9	36.5	19.6	-87.15	-1,052.2	-1,704.1	845.1	807.9	37.18	22.729		
8,800.0	8,415.6	8,414.3	8,415.6	36.5	19.6	-88.04	-1,052.2	-1,704.1	841.9	804.2	37.70	22.331		
8,825.0	8,422.0	8,420.7	8,422.0	36.5	19.6	-88.78	-1,052.2	-1,704.1	839.3	801.0	38.27	21.932		
8,850.0	8,427.1	8,425.8	8,427.1	36.5	19.6	-89.35	-1,052.2	-1,704.1	837.4	798.5	38.89	21.535		
8,875.0	8,431.0	8,429.7	8,431.0	36.5	19.6	-89.75	-1,052.2	-1,704.1	836.2	796.7	39.55	21.146		
8,900.0	8,433.6	8,432.3	8,433.6	36.5	19.6	-89.98	-1,052.2	-1,704.1	835.8	795.5	40.24	20.767		
8,903.2	8,433.8	8,432.5	8,433.8	36.5	19.6	-90.00	-1,052.2	-1,704.1	835.7	795.4	40.34	20.720 CC		

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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										Rule Assigned:		Offset Well Error: 0.0 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
8,925.0	8,434.8	8,433.5	8,434.8	36.5	19.6	-90.04	-1,052.2	-1,704.1	836.0	795.1	40.97	20.404	ES
8,936.1	8,435.0	8,433.6	8,435.0	36.5	19.6	-90.00	-1,052.2	-1,704.1	836.4	795.1	41.31	20.249	
9,000.0	8,435.0	8,433.7	8,435.0	36.5	19.6	-90.01	-1,052.2	-1,704.1	841.3	798.2	43.08	19.528	
9,100.0	8,435.1	8,433.8	8,435.1	36.5	19.6	-90.01	-1,052.2	-1,704.1	858.6	812.7	45.88	18.714	
9,200.0	8,435.2	8,433.9	8,435.2	36.6	19.6	-90.02	-1,052.2	-1,704.1	886.9	838.4	48.52	18.278	
9,300.0	8,435.3	8,434.0	8,435.3	36.6	19.6	-90.02	-1,052.2	-1,704.1	925.2	874.3	50.88	18.184	SF
9,400.0	8,435.4	8,434.1	8,435.4	36.6	19.6	-90.03	-1,052.2	-1,704.1	972.2	919.4	52.88	18.384	

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 FEDERAL COM 501H - OWB - PWP0														Offset Site Error:	0.0 usft	
Survey Program: 0-r.5 MWD+IFR1+MS										Rule Assigned:				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	0.0	0.0	0.0	0.0	51.09	18.8	23.3	30.0							
100.0	100.0	100.0	100.0	0.8	0.8	51.09	18.8	23.3	30.0	28.0	2.02	14.831				
200.0	200.0	200.0	200.0	1.4	1.4	51.09	18.8	23.3	30.0	26.7	3.34	8.973				
300.0	300.0	300.0	300.0	1.9	1.9	51.09	18.8	23.3	30.0	25.8	4.23	7.097				
400.0	400.0	400.0	400.0	2.2	2.2	51.09	18.8	23.3	30.0	25.1	4.94	6.068				
500.0	500.0	500.0	500.0	2.6	2.6	51.09	18.8	23.3	30.0	24.4	5.56	5.391				
600.0	600.0	600.0	600.0	2.8	2.8	51.09	18.8	23.3	30.0	23.9	6.12	4.900				
700.0	700.0	700.0	700.0	3.1	3.1	51.09	18.8	23.3	30.0	23.4	6.63	4.522				
800.0	800.0	800.0	800.0	3.3	3.3	51.09	18.8	23.3	30.0	22.9	7.11	4.220 CC, ES				
900.0	900.0	900.0	900.0	3.7	3.6	-160.17	18.8	23.3	31.6	24.0	7.66	4.127 SF				
1,000.0	999.8	999.8	999.8	4.0	3.8	-162.92	18.8	23.3	36.6	28.4	8.20	4.463				
1,100.0	1,099.5	1,099.8	1,099.8	4.4	4.1	-163.99	17.3	24.2	44.6	35.8	8.73	5.103				
1,200.0	1,198.7	1,199.7	1,199.5	4.7	4.4	-162.15	12.8	26.8	55.0	45.8	9.24	5.959				
1,300.0	1,297.5	1,299.1	1,298.6	5.1	4.7	-158.94	5.3	31.1	68.2	58.5	9.73	7.011				
1,400.0	1,395.6	1,398.1	1,396.8	5.5	5.0	-155.31	-5.1	37.1	84.3	74.1	10.22	8.254				
1,500.0	1,493.1	1,496.3	1,493.8	5.9	5.4	-151.76	-18.3	44.8	103.5	92.8	10.70	9.679				
1,600.0	1,589.6	1,593.6	1,589.7	6.3	5.7	-149.21	-32.9	53.2	125.9	114.7	11.19	11.251				
1,610.5	1,599.8	1,603.8	1,599.7	6.4	5.7	-149.03	-34.5	54.1	128.4	117.2	11.23	11.436				
1,700.0	1,685.7	1,690.6	1,685.2	6.7	5.9	-147.99	-47.5	61.7	150.1	138.4	11.68	12.853				
1,800.0	1,781.7	1,787.6	1,780.7	7.1	6.3	-147.14	-62.1	70.1	174.4	162.2	12.16	14.344				
1,900.0	1,877.7	1,884.6	1,876.2	7.5	6.6	-146.50	-76.7	78.5	198.7	186.0	12.65	15.701				
2,000.0	1,973.7	1,981.5	1,971.7	7.9	6.9	-145.99	-91.3	86.9	223.0	209.8	13.17	16.937				
2,100.0	2,069.8	2,079.1	2,067.6	8.3	7.3	-145.39	-106.7	95.7	247.3	233.6	13.71	18.036				
2,200.0	2,165.8	2,176.7	2,163.0	8.7	7.7	-144.20	-125.1	105.6	271.3	257.1	14.23	19.068				
2,300.0	2,261.8	2,274.0	2,257.3	9.1	8.1	-142.56	-146.3	116.5	295.3	280.6	14.69	20.104				
2,400.0	2,357.8	2,370.7	2,350.6	9.6	8.5	-140.94	-168.6	127.9	319.4	304.3	15.17	21.059				
2,500.0	2,453.9	2,467.3	2,444.0	10.0	8.9	-139.55	-190.9	139.3	343.8	328.1	15.68	21.928				
2,600.0	2,549.9	2,564.0	2,537.4	10.5	9.3	-138.34	-213.2	150.6	368.3	352.1	16.20	22.738				
2,700.0	2,645.9	2,660.7	2,630.8	10.9	9.7	-137.28	-235.5	162.0	392.9	376.2	16.73	23.493				
2,800.0	2,741.9	2,757.4	2,724.1	11.4	10.1	-136.34	-257.8	173.3	417.7	400.4	17.26	24.197				
2,900.0	2,838.0	2,854.0	2,817.5	11.8	10.6	-135.51	-280.1	184.7	442.6	424.8	17.81	24.853				
3,000.0	2,934.0	2,950.7	2,910.9	12.3	11.0	-134.77	-302.4	196.1	467.5	449.1	18.36	25.466				
3,100.0	3,030.0	3,047.4	3,004.3	12.8	11.4	-134.10	-324.7	207.4	492.5	473.6	18.91	26.037				
3,200.0	3,126.0	3,144.0	3,097.7	13.3	11.9	-133.50	-347.0	218.8	517.5	498.1	19.48	26.572				
3,300.0	3,222.1	3,240.7	3,191.0	13.7	12.3	-132.95	-369.3	230.1	542.7	522.6	20.04	27.072				
3,400.0	3,318.1	3,337.4	3,284.4	14.2	12.7	-132.46	-391.6	241.5	567.8	547.2	20.62	27.541				
3,500.0	3,414.1	3,434.1	3,377.8	14.7	13.2	-132.00	-413.8	252.9	593.0	571.8	21.19	27.981				
3,600.0	3,510.1	3,530.7	3,471.2	15.2	13.6	-131.58	-436.1	264.2	618.2	596.4	21.76	28.407				
3,700.0	3,606.2	3,634.0	3,570.7	15.6	14.1	-131.09	-460.8	276.2	643.1	620.8	22.35	28.773				
3,800.0	3,702.2	3,736.1	3,668.5	16.1	14.6	-130.38	-488.3	287.3	666.9	643.9	22.96	29.041				
3,900.0	3,798.2	3,833.0	3,761.0	16.6	15.1	-129.72	-514.9	297.8	690.5	666.9	23.57	29.299				
4,000.0	3,894.2	3,929.9	3,853.6	17.1	15.6	-129.09	-541.5	308.2	714.2	690.0	24.14	29.590				
4,100.0	3,990.3	4,026.7	3,946.1	17.6	16.0	-128.51	-568.1	318.7	737.9	713.2	24.71	29.866				
4,200.0	4,086.3	4,123.6	4,038.7	18.1	16.5	-127.96	-594.7	329.1	761.8	736.5	25.28	30.129				
4,300.0	4,182.3	4,220.5	4,131.2	18.6	17.0	-127.44	-621.4	339.6	785.7	759.8	25.86	30.379				
4,400.0	4,278.3	4,317.3	4,223.8	19.1	17.4	-126.96	-648.0	350.1	809.7	783.2	26.44	30.617				
4,500.0	4,374.3	4,414.2	4,316.3	19.5	17.9	-126.50	-674.6	360.5	833.7	806.6	27.03	30.843				
4,600.0	4,470.4	4,511.1	4,408.9	20.0	18.4	-126.07	-701.2	371.0	857.7	830.1	27.62	31.059				
4,700.0	4,566.4	4,607.9	4,501.4	20.5	18.9	-125.66	-727.8	381.4	881.8	853.6	28.21	31.264				
4,800.0	4,662.4	4,704.8	4,594.0	21.0	19.3	-125.28	-754.4	391.9	906.0	877.2	28.80	31.460				
4,900.0	4,758.4	4,801.6	4,686.5	21.5	19.8	-124.91	-781.0	402.4	930.2	900.8	29.39	31.648				

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 FEDERAL COM 501H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 MWD+IFR1+MS											Rule Assigned:		Offset Well Error: 0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,000.0	4,854.5	4,898.5	4,779.1	22.0	20.3	-124.56	-807.6	412.8	954.4	924.4	29.99	31.827	
5,100.0	4,950.5	4,995.4	4,871.6	22.5	20.8	-124.23	-834.2	423.3	978.6	948.0	30.58	31.997	

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 - COOPER 31 FEDERAL 1 - OWB - AWP													Offset Site Error: 0.0 usft
Survey Program: 500-r.5 INC-ONLY, 7129-r.5 MWD										Rule Assigned:		Offset Well Error: 3.0 usft	
Measured Reference Depth (usft)	Vertical Reference Depth (usft)	Measured Offset Depth (usft)	Vertical Offset Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
13,200.0	8,438.9	9,285.7	7,517.8	46.2	227.4	1.59	3,561.9	-877.8	972.4	861.7	110.79	8.777 SF	
13,300.0	8,439.0	9,284.6	7,517.8	46.7	227.4	1.66	3,561.9	-876.7	945.3	860.9	84.41	11.200	
13,400.0	8,439.0	9,283.6	7,517.9	47.3	227.4	1.72	3,561.9	-875.7	928.2	867.4	60.86	15.252	
13,500.0	8,439.1	9,282.5	7,517.9	47.9	227.4	1.79	3,561.9	-874.6	921.7	872.2	49.57	18.595	
13,510.1	8,439.1	9,282.3	7,517.9	47.9	227.4	1.80	3,561.9	-874.5	921.7	872.1	49.62	18.575 CC	
13,600.0	8,439.2	9,281.3	7,517.9	48.5	227.4	1.86	3,562.0	-873.5	926.1	866.3	59.76	15.498	
13,700.0	8,439.3	9,280.2	7,518.0	49.1	227.4	1.93	3,562.0	-872.3	941.0	858.0	83.05	11.330	
13,800.0	8,439.4	9,279.0	7,518.0	49.7	227.4	2.01	3,562.0	-871.1	966.2	856.6	109.63	8.813 ES	

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 FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 - COOPER 31 FEDERAL 2H_P&A - OWB - AWP													Offset Site Error: 0.0 usft
Survey Program: 100-r.5 GYRO-NS, 6679-r.5 MWD													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)			
7,000.0	6,779.3	8,893.0	7,147.7	31.9	50.8	150.57	-470.8	-821.9	986.2	909.5	76.71	12.856	
7,100.0	6,877.3	8,900.6	7,147.5	32.4	51.0	150.04	-470.9	-829.5	970.0	891.2	78.82	12.306	
7,200.0	6,975.7	8,907.4	7,147.3	32.8	51.1	149.60	-471.0	-836.3	962.4	882.1	80.32	11.982	
7,236.3	7,011.6	8,909.7	7,147.2	33.0	51.2	149.46	-471.0	-838.5	961.8	881.1	80.69	11.919 CC, ES	
7,300.0	7,074.4	8,913.2	7,147.1	33.3	51.3	149.26	-471.0	-842.0	963.6	882.5	81.12	11.878 SF	
7,400.0	7,173.4	8,917.9	7,147.0	33.7	51.4	149.03	-471.1	-846.7	973.6	892.4	81.22	11.987	
7,500.0	7,272.6	8,921.6	7,146.9	34.1	51.4	148.91	-471.1	-850.4	992.2	911.5	80.65	12.303	

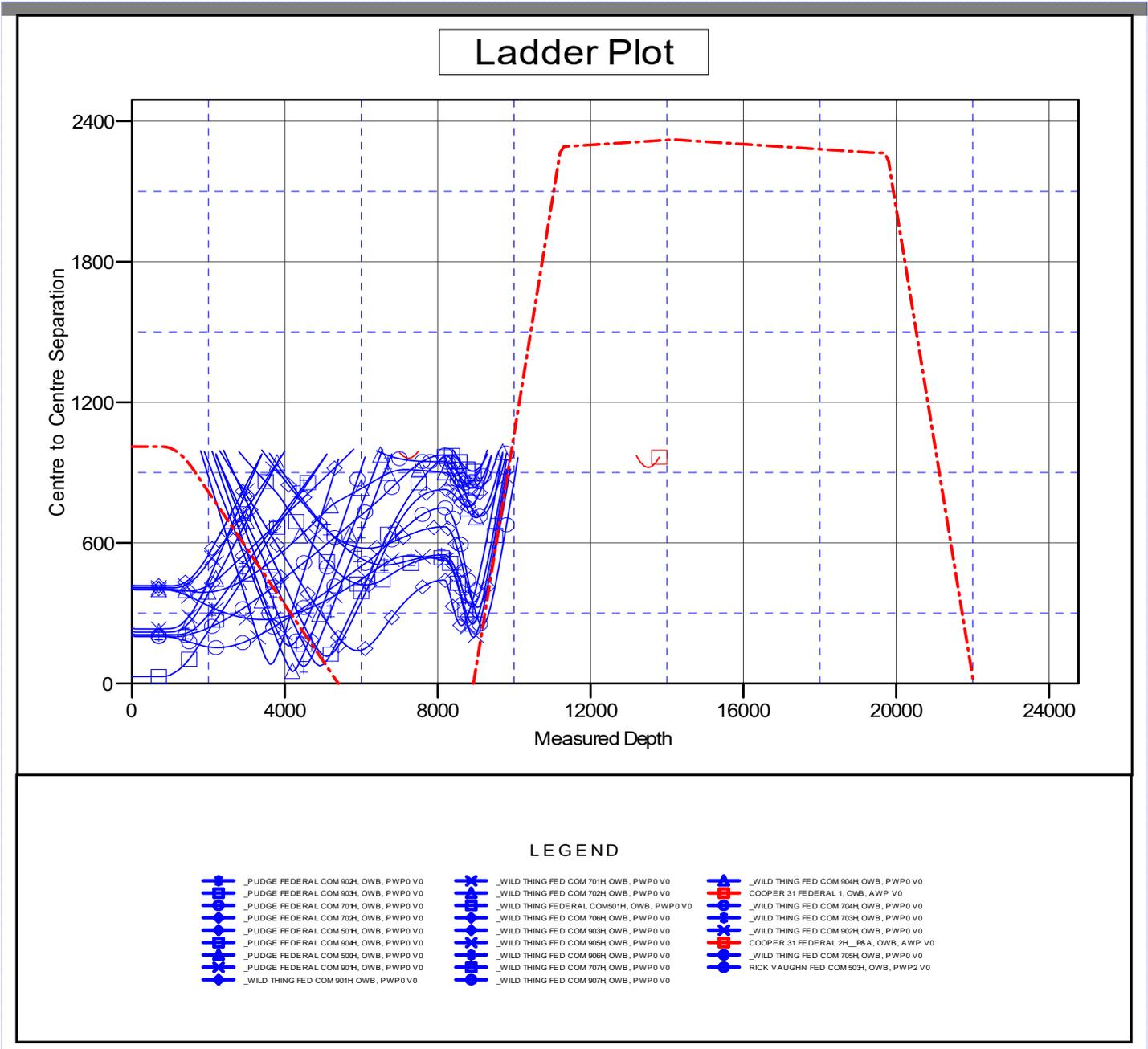
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well WILD THING FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 KB @ 2977.0usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: WILD THING FEDERAL COM 502H
 Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
 Grid Convergence at Surface is: 0.17°



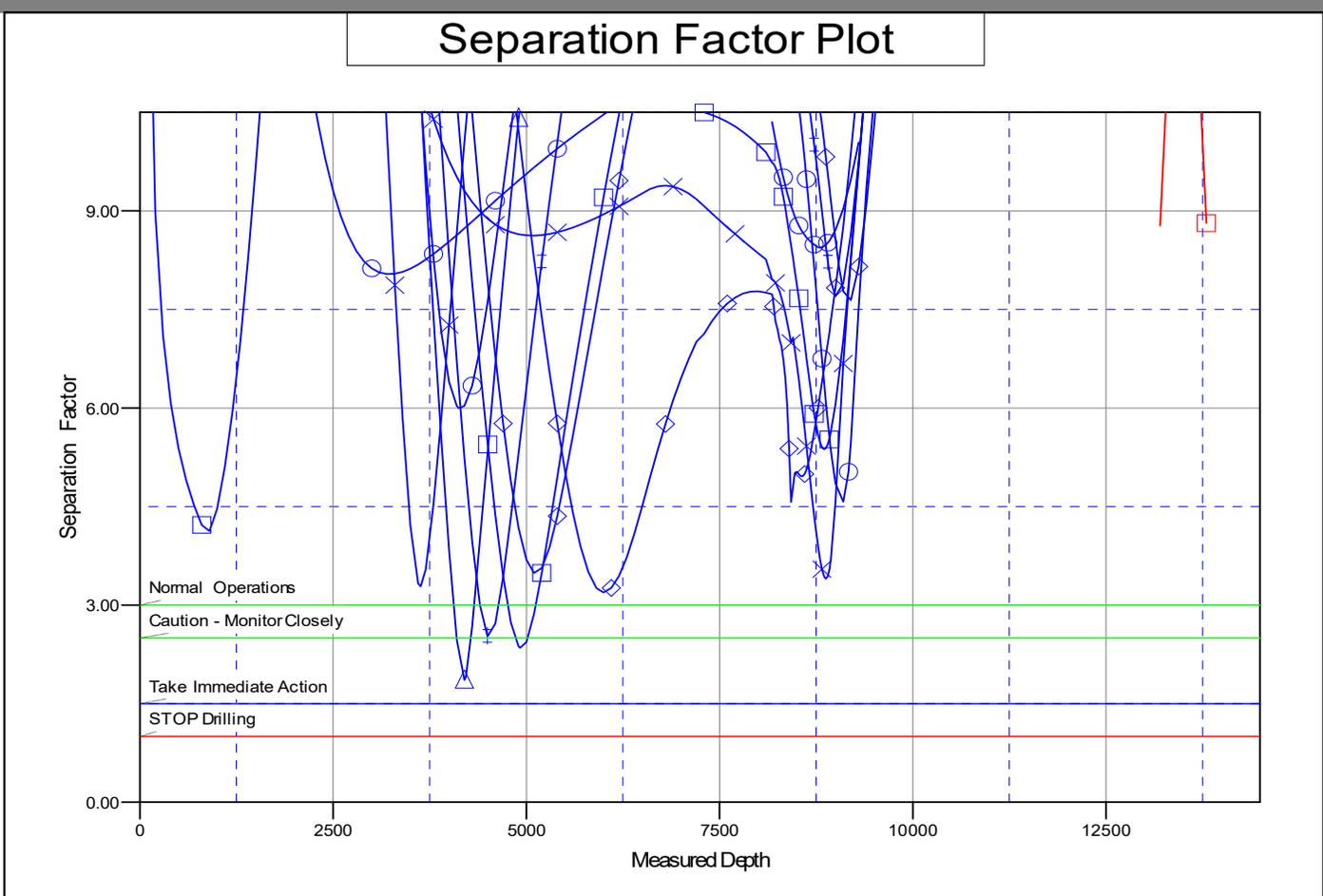
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well WILD THING FEDERAL COM 502H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	KB @ 2977.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	KB @ 2977.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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 KB @ 2977.0usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: WILD THING FEDERAL COM 502H
 Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
 Grid Convergence at Surface is: 0.17°



LEGEND

_PUDGE FEDERAL COM 902H, OWB, PWP0 V0	_WILD THING FED COM 701H, OWB, PWP0 V0	_WILD THING FED COM 904H, OWB, PWP0 V0
_PUDGE FEDERAL COM 903H, OWB, PWP0 V0	_WILD THING FED COM 702H, OWB, PWP0 V0	COOPER 31 FEDERAL 1, OWB, AWP V0
_PUDGE FEDERAL COM 704H, OWB, PWP0 V0	_WILD THING FEDERAL COM 501H, OWB, PWP0 V0	_WILD THING FED COM 704H, OWB, PWP0 V0
_PUDGE FEDERAL COM 702H, OWB, PWP0 V0	_WILD THING FED COM 706H, OWB, PWP0 V0	_WILD THING FED COM 703H, OWB, PWP0 V0
_PUDGE FEDERAL COM 50H, OWB, PWP0 V0	_WILD THING FED COM 903H, OWB, PWP0 V0	_WILD THING FED COM 902H, OWB, PWP0 V0
_PUDGE FEDERAL COM 904H, OWB, PWP0 V0	_WILD THING FED COM 905H, OWB, PWP0 V0	COOPER 31 FEDERAL 2H_P8A, OWB, AWP V0
_PUDGE FEDERAL COM 50H, OWB, PWP0 V0	_WILD THING FED COM 906H, OWB, PWP0 V0	_WILD THING FED COM 705H, OWB, PWP0 V0
_PUDGE FEDERAL COM 90H, OWB, PWP0 V0	_WILD THING FED COM 707H, OWB, PWP0 V0	RICK VAUGHN FED COM 503H, OWB, PWP2 V0
_WILD THING FED COM 901H, OWB, PWP0 V0	_WILD THING FED COM 907H, OWB, PWP0 V0	

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 FEDERAL COM 502H

OWB

Plan: PWP0

Standard Planning Report

30 June, 2025

ConocoPhillips Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well WILD THING FEDERAL COM 502H
Company:	DELAWARE BASIN WEST	TVD Reference:	KB @ 2977.0usft
Project:	ATLAS PROSPECT (DBW)	MD Reference:	KB @ 2977.0usft
Site:	WTF COM PROJECT	North Reference:	Grid
Well:	WILD THING FEDERAL COM 502H	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 FEDERAL COM 502H					
Well Position	+N/-S	0.0 usft	Northing:	393,651.07 usft	Latitude:	32° 4' 54.751 N
	+E/-W	0.0 usft	Easting:	597,007.18 usft	Longitude:	104° 1' 12.445 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	2,945.0 usft
Grid Convergence:	0.17 °					

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2022	4/11/2023	6.61	59.67	47,409.87159927

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	355.44

Plan Survey Tool Program	Date	6/30/2025			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	8,211.5 PWP0 (OWB)	r.5 MWD+IFR1 OWSG MWD + IFR1 rev.5		
2	8,211.5	22,096.1 PWP0 (OWB)	r.5 MWD+IFR1+SAG+FDIR OWSG MWD + IFR1 + SAG +		

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well WILD THING FEDERAL COM 502H
Company:	DELAWARE BASIN WEST	TVD Reference:	KB @ 2977.0usft
Project:	ATLAS PROSPECT (DBW)	MD Reference:	KB @ 2977.0usft
Site:	WTF COM PROJECT	North Reference:	Grid
Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWPO		

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	
1,610.5	16.21	210.14	1,599.8	-98.5	-57.2	2.00	2.00	0.00	210.14	
6,557.9	16.21	210.14	6,350.5	-1,293.0	-750.6	0.00	0.00	0.00	0.00	
8,179.0	0.00	0.00	7,950.0	-1,490.0	-865.0	1.00	-1.00	0.00	180.00	
8,186.5	0.00	0.00	7,957.5	-1,490.0	-865.0	0.00	0.00	0.00	0.00	
8,936.1	89.95	359.56	8,435.0	-1,013.0	-868.6	12.00	12.00	-0.06	359.56	
22,096.1	89.95	359.56	8,447.0	12,146.6	-968.7	0.00	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well WILD THING FEDERAL COM 502H
Company:	DELAWARE BASIN WEST	TVD Reference:	KB @ 2977.0usft
Project:	ATLAS PROSPECT (DBW)	MD Reference:	KB @ 2977.0usft
Site:	WTF COM PROJECT	North Reference:	Grid
Well:	WILD THING FEDERAL COM 502H	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	210.14	900.0	-1.5	-0.9	-1.4	2.00	2.00	0.00
1,000.0	4.00	210.14	999.8	-6.0	-3.5	-5.7	2.00	2.00	0.00
1,100.0	6.00	210.14	1,099.5	-13.6	-7.9	-12.9	2.00	2.00	0.00
1,200.0	8.00	210.14	1,198.7	-24.1	-14.0	-22.9	2.00	2.00	0.00
1,300.0	10.00	210.14	1,297.5	-37.6	-21.9	-35.8	2.00	2.00	0.00
1,400.0	12.00	210.14	1,395.6	-54.1	-31.4	-51.5	2.00	2.00	0.00
1,500.0	14.00	210.14	1,493.1	-73.6	-42.7	-70.0	2.00	2.00	0.00
1,600.0	16.00	210.14	1,589.6	-96.0	-55.7	-91.2	2.00	2.00	0.00
1,610.5	16.21	210.14	1,599.8	-98.5	-57.2	-93.6	2.00	2.00	0.00
Start 4947.4 hold at 1610.5 MD									
1,700.0	16.21	210.14	1,685.7	-120.1	-69.7	-114.2	0.00	0.00	0.00
1,800.0	16.21	210.14	1,781.7	-144.2	-83.7	-137.1	0.00	0.00	0.00
1,900.0	16.21	210.14	1,877.7	-168.4	-97.8	-160.1	0.00	0.00	0.00
2,000.0	16.21	210.14	1,973.7	-192.5	-111.8	-183.0	0.00	0.00	0.00
2,100.0	16.21	210.14	2,069.8	-216.7	-125.8	-206.0	0.00	0.00	0.00
2,200.0	16.21	210.14	2,165.8	-240.8	-139.8	-228.9	0.00	0.00	0.00
2,300.0	16.21	210.14	2,261.8	-265.0	-153.8	-251.9	0.00	0.00	0.00
2,400.0	16.21	210.14	2,357.8	-289.1	-167.8	-274.9	0.00	0.00	0.00
2,500.0	16.21	210.14	2,453.9	-313.3	-181.9	-297.8	0.00	0.00	0.00
2,600.0	16.21	210.14	2,549.9	-337.4	-195.9	-320.8	0.00	0.00	0.00
2,700.0	16.21	210.14	2,645.9	-361.5	-209.9	-343.7	0.00	0.00	0.00
2,800.0	16.21	210.14	2,741.9	-385.7	-223.9	-366.7	0.00	0.00	0.00
2,900.0	16.21	210.14	2,838.0	-409.8	-237.9	-389.6	0.00	0.00	0.00
3,000.0	16.21	210.14	2,934.0	-434.0	-251.9	-412.6	0.00	0.00	0.00
3,100.0	16.21	210.14	3,030.0	-458.1	-266.0	-435.5	0.00	0.00	0.00
3,200.0	16.21	210.14	3,126.0	-482.3	-280.0	-458.5	0.00	0.00	0.00
3,300.0	16.21	210.14	3,222.1	-506.4	-294.0	-481.4	0.00	0.00	0.00
3,400.0	16.21	210.14	3,318.1	-530.5	-308.0	-504.4	0.00	0.00	0.00
3,500.0	16.21	210.14	3,414.1	-554.7	-322.0	-527.3	0.00	0.00	0.00
3,600.0	16.21	210.14	3,510.1	-578.8	-336.0	-550.3	0.00	0.00	0.00
3,700.0	16.21	210.14	3,606.2	-603.0	-350.1	-573.2	0.00	0.00	0.00
3,800.0	16.21	210.14	3,702.2	-627.1	-364.1	-596.2	0.00	0.00	0.00
3,900.0	16.21	210.14	3,798.2	-651.3	-378.1	-619.1	0.00	0.00	0.00
4,000.0	16.21	210.14	3,894.2	-675.4	-392.1	-642.1	0.00	0.00	0.00
4,100.0	16.21	210.14	3,990.3	-699.6	-406.1	-665.1	0.00	0.00	0.00
4,200.0	16.21	210.14	4,086.3	-723.7	-420.1	-688.0	0.00	0.00	0.00
4,300.0	16.21	210.14	4,182.3	-747.8	-434.1	-711.0	0.00	0.00	0.00
4,400.0	16.21	210.14	4,278.3	-772.0	-448.2	-733.9	0.00	0.00	0.00
4,500.0	16.21	210.14	4,374.3	-796.1	-462.2	-756.9	0.00	0.00	0.00
4,600.0	16.21	210.14	4,470.4	-820.3	-476.2	-779.8	0.00	0.00	0.00
4,700.0	16.21	210.14	4,566.4	-844.4	-490.2	-802.8	0.00	0.00	0.00
4,800.0	16.21	210.14	4,662.4	-868.6	-504.2	-825.7	0.00	0.00	0.00
4,900.0	16.21	210.14	4,758.4	-892.7	-518.2	-848.7	0.00	0.00	0.00
5,000.0	16.21	210.14	4,854.5	-916.8	-532.3	-871.6	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well WILD THING FEDERAL COM 502H
Company:	DELAWARE BASIN WEST	TVD Reference:	KB @ 2977.0usft
Project:	ATLAS PROSPECT (DBW)	MD Reference:	KB @ 2977.0usft
Site:	WTF COM PROJECT	North Reference:	Grid
Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWPO		

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	16.21	210.14	4,950.5	-941.0	-546.3	-894.6	0.00	0.00	0.00	
5,200.0	16.21	210.14	5,046.5	-965.1	-560.3	-917.5	0.00	0.00	0.00	
5,300.0	16.21	210.14	5,142.5	-989.3	-574.3	-940.5	0.00	0.00	0.00	
5,400.0	16.21	210.14	5,238.6	-1,013.4	-588.3	-963.4	0.00	0.00	0.00	
5,500.0	16.21	210.14	5,334.6	-1,037.6	-602.3	-986.4	0.00	0.00	0.00	
5,600.0	16.21	210.14	5,430.6	-1,061.7	-616.4	-1,009.3	0.00	0.00	0.00	
5,700.0	16.21	210.14	5,526.6	-1,085.9	-630.4	-1,032.3	0.00	0.00	0.00	
5,800.0	16.21	210.14	5,622.7	-1,110.0	-644.4	-1,055.3	0.00	0.00	0.00	
5,900.0	16.21	210.14	5,718.7	-1,134.1	-658.4	-1,078.2	0.00	0.00	0.00	
6,000.0	16.21	210.14	5,814.7	-1,158.3	-672.4	-1,101.2	0.00	0.00	0.00	
6,100.0	16.21	210.14	5,910.7	-1,182.4	-686.4	-1,124.1	0.00	0.00	0.00	
6,200.0	16.21	210.14	6,006.8	-1,206.6	-700.5	-1,147.1	0.00	0.00	0.00	
6,300.0	16.21	210.14	6,102.8	-1,230.7	-714.5	-1,170.0	0.00	0.00	0.00	
6,400.0	16.21	210.14	6,198.8	-1,254.9	-728.5	-1,193.0	0.00	0.00	0.00	
6,500.0	16.21	210.14	6,294.8	-1,279.0	-742.5	-1,215.9	0.00	0.00	0.00	
6,557.9	16.21	210.14	6,350.5	-1,293.0	-750.6	-1,229.2	0.00	0.00	0.00	
Start Drop -1.00										
6,600.0	15.79	210.14	6,390.9	-1,303.0	-756.4	-1,238.8	1.00	-1.00	0.00	
6,700.0	14.79	210.14	6,487.4	-1,325.8	-769.7	-1,260.4	1.00	-1.00	0.00	
6,800.0	13.79	210.14	6,584.3	-1,347.2	-782.1	-1,280.7	1.00	-1.00	0.00	
6,900.0	12.79	210.14	6,681.6	-1,367.1	-793.6	-1,299.6	1.00	-1.00	0.00	
7,000.0	11.79	210.14	6,779.3	-1,385.5	-804.3	-1,317.1	1.00	-1.00	0.00	
7,100.0	10.79	210.14	6,877.3	-1,402.4	-814.1	-1,333.2	1.00	-1.00	0.00	
7,200.0	9.79	210.14	6,975.7	-1,417.8	-823.1	-1,347.9	1.00	-1.00	0.00	
7,300.0	8.79	210.14	7,074.4	-1,431.8	-831.2	-1,361.2	1.00	-1.00	0.00	
7,400.0	7.79	210.14	7,173.4	-1,444.3	-838.5	-1,373.0	1.00	-1.00	0.00	
7,500.0	6.79	210.14	7,272.6	-1,455.2	-844.8	-1,383.5	1.00	-1.00	0.00	
7,600.0	5.79	210.14	7,372.0	-1,464.7	-850.3	-1,392.5	1.00	-1.00	0.00	
7,700.0	4.79	210.14	7,471.5	-1,472.7	-855.0	-1,400.1	1.00	-1.00	0.00	
7,800.0	3.79	210.14	7,571.3	-1,479.2	-858.7	-1,406.2	1.00	-1.00	0.00	
7,900.0	2.79	210.14	7,671.1	-1,484.1	-861.6	-1,410.9	1.00	-1.00	0.00	
8,000.0	1.79	210.14	7,771.0	-1,487.6	-863.6	-1,414.2	1.00	-1.00	0.00	
8,100.0	0.79	210.14	7,871.0	-1,489.5	-864.7	-1,416.1	1.00	-1.00	0.00	
8,179.0	0.00	0.00	7,950.0	-1,490.0	-865.0	-1,416.5	1.00	-1.00	0.00	
Start 7.5 hold at 8179.0 MD										
8,186.5	0.00	0.00	7,957.5	-1,490.0	-865.0	-1,416.5	0.00	0.00	0.00	
Start DLS 12.00 TFO 359.56										
8,200.0	1.62	359.56	7,971.0	-1,489.8	-865.0	-1,416.3	12.00	12.00	0.00	
8,225.0	4.62	359.56	7,995.9	-1,488.5	-865.0	-1,415.0	12.00	12.00	0.00	
8,250.0	7.62	359.56	8,020.8	-1,485.8	-865.0	-1,412.3	12.00	12.00	0.00	
8,275.0	10.62	359.56	8,045.5	-1,481.8	-865.1	-1,408.4	12.00	12.00	0.00	
8,300.0	13.62	359.56	8,069.9	-1,476.6	-865.1	-1,403.1	12.00	12.00	0.00	
8,325.0	16.62	359.56	8,094.0	-1,470.1	-865.2	-1,396.6	12.00	12.00	0.00	
8,350.0	19.62	359.56	8,117.8	-1,462.3	-865.2	-1,388.9	12.00	12.00	0.00	
8,375.0	22.62	359.56	8,141.1	-1,453.3	-865.3	-1,379.9	12.00	12.00	0.00	
8,400.0	25.62	359.56	8,163.9	-1,443.1	-865.4	-1,369.7	12.00	12.00	0.00	
8,425.0	28.62	359.56	8,186.2	-1,431.7	-865.4	-1,358.3	12.00	12.00	0.00	
8,450.0	31.62	359.56	8,207.8	-1,419.1	-865.5	-1,345.8	12.00	12.00	0.00	
8,475.0	34.62	359.56	8,228.7	-1,405.5	-865.6	-1,332.2	12.00	12.00	0.00	
8,500.0	37.62	359.56	8,248.9	-1,390.7	-865.8	-1,317.5	12.00	12.00	0.00	
8,525.0	40.62	359.56	8,268.3	-1,375.0	-865.9	-1,301.8	12.00	12.00	0.00	
8,550.0	43.62	359.56	8,286.9	-1,358.2	-866.0	-1,285.1	12.00	12.00	0.00	
8,575.0	46.62	359.56	8,304.5	-1,340.5	-866.1	-1,267.4	12.00	12.00	0.00	

ConocoPhillips Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well WILD THING FEDERAL COM 502H
Company:	DELAWARE BASIN WEST	TVD Reference:	KB @ 2977.0usft
Project:	ATLAS PROSPECT (DBW)	MD Reference:	KB @ 2977.0usft
Site:	WTF COM PROJECT	North Reference:	Grid
Well:	WILD THING FEDERAL COM 502H	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	49.62	359.56	8,321.2	-1,321.9	-866.3	-1,248.8	12.00	12.00	0.00	
8,625.0	52.62	359.56	8,336.9	-1,302.4	-866.4	-1,229.4	12.00	12.00	0.00	
8,650.0	55.62	359.56	8,351.5	-1,282.2	-866.6	-1,209.2	12.00	12.00	0.00	
8,675.0	58.62	359.56	8,365.1	-1,261.2	-866.7	-1,188.3	12.00	12.00	0.00	
8,700.0	61.62	359.56	8,377.6	-1,239.5	-866.9	-1,166.7	12.00	12.00	0.00	
8,725.0	64.62	359.56	8,388.9	-1,217.2	-867.1	-1,144.4	12.00	12.00	0.00	
8,750.0	67.62	359.56	8,399.0	-1,194.4	-867.2	-1,121.6	12.00	12.00	0.00	
8,775.0	70.62	359.56	8,407.9	-1,171.0	-867.4	-1,098.3	12.00	12.00	0.00	
8,800.0	73.62	359.56	8,415.6	-1,147.2	-867.6	-1,074.6	12.00	12.00	0.00	
8,825.0	76.62	359.56	8,422.0	-1,123.1	-867.8	-1,050.5	12.00	12.00	0.00	
8,850.0	79.62	359.56	8,427.1	-1,098.6	-868.0	-1,026.1	12.00	12.00	0.00	
8,875.0	82.62	359.56	8,431.0	-1,073.9	-868.2	-1,001.5	12.00	12.00	0.00	
8,900.0	85.62	359.56	8,433.6	-1,049.0	-868.4	-976.7	12.00	12.00	0.00	
8,925.0	88.62	359.56	8,434.8	-1,024.1	-868.5	-951.8	12.00	12.00	0.00	
8,936.1	89.95	359.56	8,435.0	-1,013.0	-868.6	-940.7	12.00	12.00	0.00	
Start 13160.0 hold at 8936.1 MD										
9,000.0	89.95	359.56	8,435.0	-949.1	-869.1	-877.0	0.00	0.00	0.00	
9,100.0	89.95	359.56	8,435.1	-849.1	-869.9	-777.2	0.00	0.00	0.00	
9,200.0	89.95	359.56	8,435.2	-749.1	-870.6	-677.5	0.00	0.00	0.00	
9,300.0	89.95	359.56	8,435.3	-649.1	-871.4	-577.7	0.00	0.00	0.00	
9,400.0	89.95	359.56	8,435.4	-549.1	-872.2	-478.0	0.00	0.00	0.00	
9,500.0	89.95	359.56	8,435.5	-449.1	-872.9	-378.3	0.00	0.00	0.00	
9,600.0	89.95	359.56	8,435.6	-349.1	-873.7	-278.5	0.00	0.00	0.00	
9,700.0	89.95	359.56	8,435.7	-249.1	-874.4	-178.8	0.00	0.00	0.00	
9,800.0	89.95	359.56	8,435.8	-149.1	-875.2	-79.0	0.00	0.00	0.00	
9,900.0	89.95	359.56	8,435.8	-49.1	-876.0	20.7	0.00	0.00	0.00	
10,000.0	89.95	359.56	8,435.9	50.9	-876.7	120.4	0.00	0.00	0.00	
10,100.0	89.95	359.56	8,436.0	150.9	-877.5	220.2	0.00	0.00	0.00	
10,200.0	89.95	359.56	8,436.1	250.9	-878.2	319.9	0.00	0.00	0.00	
10,300.0	89.95	359.56	8,436.2	350.9	-879.0	419.7	0.00	0.00	0.00	
10,400.0	89.95	359.56	8,436.3	450.9	-879.8	519.4	0.00	0.00	0.00	
10,500.0	89.95	359.56	8,436.4	550.9	-880.5	619.1	0.00	0.00	0.00	
10,600.0	89.95	359.56	8,436.5	650.9	-881.3	718.9	0.00	0.00	0.00	
10,700.0	89.95	359.56	8,436.6	750.9	-882.0	818.6	0.00	0.00	0.00	
10,800.0	89.95	359.56	8,436.7	850.9	-882.8	918.4	0.00	0.00	0.00	
10,900.0	89.95	359.56	8,436.8	950.9	-883.6	1,018.1	0.00	0.00	0.00	
11,000.0	89.95	359.56	8,436.9	1,050.9	-884.3	1,117.9	0.00	0.00	0.00	
11,100.0	89.95	359.56	8,436.9	1,150.9	-885.1	1,217.6	0.00	0.00	0.00	
11,200.0	89.95	359.56	8,437.0	1,250.9	-885.8	1,317.3	0.00	0.00	0.00	
11,300.0	89.95	359.56	8,437.1	1,350.9	-886.6	1,417.1	0.00	0.00	0.00	
11,400.0	89.95	359.56	8,437.2	1,450.9	-887.4	1,516.8	0.00	0.00	0.00	
11,500.0	89.95	359.56	8,437.3	1,550.9	-888.1	1,616.6	0.00	0.00	0.00	
11,600.0	89.95	359.56	8,437.4	1,650.9	-888.9	1,716.3	0.00	0.00	0.00	
11,700.0	89.95	359.56	8,437.5	1,750.9	-889.6	1,816.0	0.00	0.00	0.00	
11,800.0	89.95	359.56	8,437.6	1,850.8	-890.4	1,915.8	0.00	0.00	0.00	
11,900.0	89.95	359.56	8,437.7	1,950.8	-891.2	2,015.5	0.00	0.00	0.00	
12,000.0	89.95	359.56	8,437.8	2,050.8	-891.9	2,115.3	0.00	0.00	0.00	
12,100.0	89.95	359.56	8,437.9	2,150.8	-892.7	2,215.0	0.00	0.00	0.00	
12,200.0	89.95	359.56	8,437.9	2,250.8	-893.5	2,314.7	0.00	0.00	0.00	
12,300.0	89.95	359.56	8,438.0	2,350.8	-894.2	2,414.5	0.00	0.00	0.00	
12,400.0	89.95	359.56	8,438.1	2,450.8	-895.0	2,514.2	0.00	0.00	0.00	
12,500.0	89.95	359.56	8,438.2	2,550.8	-895.7	2,614.0	0.00	0.00	0.00	
12,600.0	89.95	359.56	8,438.3	2,650.8	-896.5	2,713.7	0.00	0.00	0.00	
12,700.0	89.95	359.56	8,438.4	2,750.8	-897.3	2,813.4	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well WILD THING FEDERAL COM 502H
Company:	DELAWARE BASIN WEST	TVD Reference:	KB @ 2977.0usft
Project:	ATLAS PROSPECT (DBW)	MD Reference:	KB @ 2977.0usft
Site:	WTF COM PROJECT	North Reference:	Grid
Well:	WILD THING FEDERAL COM 502H	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	89.95	359.56	8,438.5	2,850.8	-898.0	2,913.2	0.00	0.00	0.00
12,900.0	89.95	359.56	8,438.6	2,950.8	-898.8	3,012.9	0.00	0.00	0.00
13,000.0	89.95	359.56	8,438.7	3,050.8	-899.5	3,112.7	0.00	0.00	0.00
13,100.0	89.95	359.56	8,438.8	3,150.8	-900.3	3,212.4	0.00	0.00	0.00
13,200.0	89.95	359.56	8,438.9	3,250.8	-901.1	3,312.2	0.00	0.00	0.00
13,300.0	89.95	359.56	8,439.0	3,350.8	-901.8	3,411.9	0.00	0.00	0.00
13,400.0	89.95	359.56	8,439.0	3,450.8	-902.6	3,511.6	0.00	0.00	0.00
13,500.0	89.95	359.56	8,439.1	3,550.8	-903.3	3,611.4	0.00	0.00	0.00
13,600.0	89.95	359.56	8,439.2	3,650.8	-904.1	3,711.1	0.00	0.00	0.00
13,700.0	89.95	359.56	8,439.3	3,750.8	-904.9	3,810.9	0.00	0.00	0.00
13,800.0	89.95	359.56	8,439.4	3,850.8	-905.6	3,910.6	0.00	0.00	0.00
13,900.0	89.95	359.56	8,439.5	3,950.8	-906.4	4,010.3	0.00	0.00	0.00
14,000.0	89.95	359.56	8,439.6	4,050.8	-907.1	4,110.1	0.00	0.00	0.00
14,100.0	89.95	359.56	8,439.7	4,150.8	-907.9	4,209.8	0.00	0.00	0.00
14,200.0	89.95	359.56	8,439.8	4,250.8	-908.7	4,309.6	0.00	0.00	0.00
14,300.0	89.95	359.56	8,439.9	4,350.8	-909.4	4,409.3	0.00	0.00	0.00
14,400.0	89.95	359.56	8,440.0	4,450.8	-910.2	4,509.0	0.00	0.00	0.00
14,500.0	89.95	359.56	8,440.1	4,550.8	-910.9	4,608.8	0.00	0.00	0.00
14,600.0	89.95	359.56	8,440.1	4,650.8	-911.7	4,708.5	0.00	0.00	0.00
14,700.0	89.95	359.56	8,440.2	4,750.8	-912.5	4,808.3	0.00	0.00	0.00
14,800.0	89.95	359.56	8,440.3	4,850.8	-913.2	4,908.0	0.00	0.00	0.00
14,900.0	89.95	359.56	8,440.4	4,950.8	-914.0	5,007.8	0.00	0.00	0.00
15,000.0	89.95	359.56	8,440.5	5,050.8	-914.7	5,107.5	0.00	0.00	0.00
15,100.0	89.95	359.56	8,440.6	5,150.8	-915.5	5,207.2	0.00	0.00	0.00
15,200.0	89.95	359.56	8,440.7	5,250.8	-916.3	5,307.0	0.00	0.00	0.00
15,300.0	89.95	359.56	8,440.8	5,350.7	-917.0	5,406.7	0.00	0.00	0.00
15,400.0	89.95	359.56	8,440.9	5,450.7	-917.8	5,506.5	0.00	0.00	0.00
15,500.0	89.95	359.56	8,441.0	5,550.7	-918.6	5,606.2	0.00	0.00	0.00
15,600.0	89.95	359.56	8,441.1	5,650.7	-919.3	5,705.9	0.00	0.00	0.00
15,700.0	89.95	359.56	8,441.2	5,750.7	-920.1	5,805.7	0.00	0.00	0.00
15,800.0	89.95	359.56	8,441.2	5,850.7	-920.8	5,905.4	0.00	0.00	0.00
15,900.0	89.95	359.56	8,441.3	5,950.7	-921.6	6,005.2	0.00	0.00	0.00
16,000.0	89.95	359.56	8,441.4	6,050.7	-922.4	6,104.9	0.00	0.00	0.00
16,100.0	89.95	359.56	8,441.5	6,150.7	-923.1	6,204.6	0.00	0.00	0.00
16,200.0	89.95	359.56	8,441.6	6,250.7	-923.9	6,304.4	0.00	0.00	0.00
16,300.0	89.95	359.56	8,441.7	6,350.7	-924.6	6,404.1	0.00	0.00	0.00
16,400.0	89.95	359.56	8,441.8	6,450.7	-925.4	6,503.9	0.00	0.00	0.00
16,500.0	89.95	359.56	8,441.9	6,550.7	-926.2	6,603.6	0.00	0.00	0.00
16,600.0	89.95	359.56	8,442.0	6,650.7	-926.9	6,703.3	0.00	0.00	0.00
16,700.0	89.95	359.56	8,442.1	6,750.7	-927.7	6,803.1	0.00	0.00	0.00
16,800.0	89.95	359.56	8,442.2	6,850.7	-928.4	6,902.8	0.00	0.00	0.00
16,900.0	89.95	359.56	8,442.2	6,950.7	-929.2	7,002.6	0.00	0.00	0.00
17,000.0	89.95	359.56	8,442.3	7,050.7	-930.0	7,102.3	0.00	0.00	0.00
17,100.0	89.95	359.56	8,442.4	7,150.7	-930.7	7,202.1	0.00	0.00	0.00
17,200.0	89.95	359.56	8,442.5	7,250.7	-931.5	7,301.8	0.00	0.00	0.00
17,300.0	89.95	359.56	8,442.6	7,350.7	-932.2	7,401.5	0.00	0.00	0.00
17,400.0	89.95	359.56	8,442.7	7,450.7	-933.0	7,501.3	0.00	0.00	0.00
17,500.0	89.95	359.56	8,442.8	7,550.7	-933.8	7,601.0	0.00	0.00	0.00
17,600.0	89.95	359.56	8,442.9	7,650.7	-934.5	7,700.8	0.00	0.00	0.00
17,700.0	89.95	359.56	8,443.0	7,750.7	-935.3	7,800.5	0.00	0.00	0.00
17,800.0	89.95	359.56	8,443.1	7,850.7	-936.0	7,900.2	0.00	0.00	0.00
17,900.0	89.95	359.56	8,443.2	7,950.7	-936.8	8,000.0	0.00	0.00	0.00
18,000.0	89.95	359.56	8,443.3	8,050.7	-937.6	8,099.7	0.00	0.00	0.00
18,100.0	89.95	359.56	8,443.3	8,150.7	-938.3	8,199.5	0.00	0.00	0.00

ConocoPhillips
 Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well WILD THING FEDERAL COM 502H
Company:	DELAWARE BASIN WEST	TVD Reference:	KB @ 2977.0usft
Project:	ATLAS PROSPECT (DBW)	MD Reference:	KB @ 2977.0usft
Site:	WTF COM PROJECT	North Reference:	Grid
Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWPO		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,200.0	89.95	359.56	8,443.4	8,250.7	-939.1	8,299.2	0.00	0.00	0.00
18,300.0	89.95	359.56	8,443.5	8,350.7	-939.8	8,398.9	0.00	0.00	0.00
18,400.0	89.95	359.56	8,443.6	8,450.7	-940.6	8,498.7	0.00	0.00	0.00
18,500.0	89.95	359.56	8,443.7	8,550.7	-941.4	8,598.4	0.00	0.00	0.00
18,600.0	89.95	359.56	8,443.8	8,650.7	-942.1	8,698.2	0.00	0.00	0.00
18,700.0	89.95	359.56	8,443.9	8,750.6	-942.9	8,797.9	0.00	0.00	0.00
18,800.0	89.95	359.56	8,444.0	8,850.6	-943.7	8,897.7	0.00	0.00	0.00
18,900.0	89.95	359.56	8,444.1	8,950.6	-944.4	8,997.4	0.00	0.00	0.00
19,000.0	89.95	359.56	8,444.2	9,050.6	-945.2	9,097.1	0.00	0.00	0.00
19,100.0	89.95	359.56	8,444.3	9,150.6	-945.9	9,196.9	0.00	0.00	0.00
19,200.0	89.95	359.56	8,444.4	9,250.6	-946.7	9,296.6	0.00	0.00	0.00
19,300.0	89.95	359.56	8,444.4	9,350.6	-947.5	9,396.4	0.00	0.00	0.00
19,400.0	89.95	359.56	8,444.5	9,450.6	-948.2	9,496.1	0.00	0.00	0.00
19,500.0	89.95	359.56	8,444.6	9,550.6	-949.0	9,595.8	0.00	0.00	0.00
19,600.0	89.95	359.56	8,444.7	9,650.6	-949.7	9,695.6	0.00	0.00	0.00
19,700.0	89.95	359.56	8,444.8	9,750.6	-950.5	9,795.3	0.00	0.00	0.00
19,800.0	89.95	359.56	8,444.9	9,850.6	-951.3	9,895.1	0.00	0.00	0.00
19,900.0	89.95	359.56	8,445.0	9,950.6	-952.0	9,994.8	0.00	0.00	0.00
20,000.0	89.95	359.56	8,445.1	10,050.6	-952.8	10,094.5	0.00	0.00	0.00
20,100.0	89.95	359.56	8,445.2	10,150.6	-953.5	10,194.3	0.00	0.00	0.00
20,200.0	89.95	359.56	8,445.3	10,250.6	-954.3	10,294.0	0.00	0.00	0.00
20,300.0	89.95	359.56	8,445.4	10,350.6	-955.1	10,393.8	0.00	0.00	0.00
20,400.0	89.95	359.56	8,445.4	10,450.6	-955.8	10,493.5	0.00	0.00	0.00
20,500.0	89.95	359.56	8,445.5	10,550.6	-956.6	10,593.2	0.00	0.00	0.00
20,600.0	89.95	359.56	8,445.6	10,650.6	-957.3	10,693.0	0.00	0.00	0.00
20,700.0	89.95	359.56	8,445.7	10,750.6	-958.1	10,792.7	0.00	0.00	0.00
20,800.0	89.95	359.56	8,445.8	10,850.6	-958.9	10,892.5	0.00	0.00	0.00
20,900.0	89.95	359.56	8,445.9	10,950.6	-959.6	10,992.2	0.00	0.00	0.00
21,000.0	89.95	359.56	8,446.0	11,050.6	-960.4	11,092.0	0.00	0.00	0.00
21,100.0	89.95	359.56	8,446.1	11,150.6	-961.1	11,191.7	0.00	0.00	0.00
21,200.0	89.95	359.56	8,446.2	11,250.6	-961.9	11,291.4	0.00	0.00	0.00
21,300.0	89.95	359.56	8,446.3	11,350.6	-962.7	11,391.2	0.00	0.00	0.00
21,400.0	89.95	359.56	8,446.4	11,450.6	-963.4	11,490.9	0.00	0.00	0.00
21,500.0	89.95	359.56	8,446.5	11,550.6	-964.2	11,590.7	0.00	0.00	0.00
21,600.0	89.95	359.56	8,446.5	11,650.6	-964.9	11,690.4	0.00	0.00	0.00
21,700.0	89.95	359.56	8,446.6	11,750.6	-965.7	11,790.1	0.00	0.00	0.00
21,800.0	89.95	359.56	8,446.7	11,850.6	-966.5	11,889.9	0.00	0.00	0.00
21,900.0	89.95	359.56	8,446.8	11,950.6	-967.2	11,989.6	0.00	0.00	0.00
22,000.0	89.95	359.56	8,446.9	12,050.6	-968.0	12,089.4	0.00	0.00	0.00
22,096.1	89.95	359.56	8,447.0	12,146.6	-968.7	12,185.2	0.00	0.00	0.00
TD at 22096.1									

ConocoPhillips

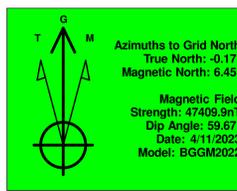
Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well WILD THING FEDERAL COM 502H
Company:	DELAWARE BASIN WEST	TVD Reference:	KB @ 2977.0usft
Project:	ATLAS PROSPECT (DBW)	MD Reference:	KB @ 2977.0usft
Site:	WTF COM PROJECT	North Reference:	Grid
Well:	WILD THING FEDERAL COM 502H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWPO		

Design Targets										
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)			
- Shape										
TNGNT LMTR_20' R&L - plan hits target center - Rectangle (sides W40.0 H50.0 D4,750.5)	16.21	30.14	6,350.5	-1,293.0	-750.6	392,358.07	596,256.58	32° 4' 41.977 N	104° 1' 21.213 W	
KOP BOX_50' N&S X 50' - plan hits target center - Rectangle (sides W100.0 H100.0 D7.5)	0.00	179.56	7,957.5	-1,490.0	-865.0	392,161.07	596,142.18	32° 4' 40.030 N	104° 1' 22.549 W	
FTP/PP1_WTF COM 50 - plan misses target center by 1.5usft at 8935.3usft MD (8435.0 TVD, -1013.7 N, -868.6 E) - Circle (radius 50.0)	0.00	0.00	8,435.0	-1,013.7	-867.1	392,637.35	596,140.06	32° 4' 44.744 N	104° 1' 22.558 W	
PP2_WTF COM 502H - plan misses target center by 56.9usft at 14171.7usft MD (8439.8 TVD, 4222.4 N, -908.4 E) - Circle (radius 50.0)	0.00	0.01	8,439.8	4,222.9	-851.6	397,873.94	596,155.60	32° 5' 36.567 N	104° 1' 22.202 W	
PP3_WTF COM 502H - plan misses target center by 0.3usft at 19506.0usft MD (8444.6 TVD, 9556.7 N, -949.0 E) - Circle (radius 50.0)	0.00	0.00	8,444.6	9,556.7	-949.4	403,207.74	596,057.82	32° 6' 29.355 N	104° 1' 23.160 W	
PBHL_WILD THING FEI - plan hits target center - Rectangle (sides W100.0 H13,160.4 D20.0)	0.00	179.56	8,447.0	12,146.6	-968.7	405,797.67	596,038.46	32° 6' 54.987 N	104° 1' 23.299 W	
LTP_WILD THING FED - plan misses target center by 46.1usft at 22000.0usft MD (8446.9 TVD, 12050.6 N, -968.0 E) - Circle (radius 50.0)	90.00	359.69	8,447.0	12,096.6	-968.3	405,747.67	596,038.83	32° 6' 54.492 N	104° 1' 23.296 W	

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
22,096.1	8,447.0	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	
1,610.5	1,599.8	-98.5	-57.2	Start 4947.4 hold at 1610.5 MD	
6,557.9	6,350.5	-1,293.0	-750.6	Start Drop -1.00	
8,179.0	7,950.0	-1,490.0	-865.0	Start 7.5 hold at 8179.0 MD	
8,186.5	7,957.5	-1,490.0	-865.0	Start DLS 12.00 TFO 359.56	
8,936.1	8,435.0	-1,013.0	-868.6	Start 13160.0 hold at 8936.1 MD	
22,096.1	8,447.0	12,146.6	-968.7	TD at 22096.1	



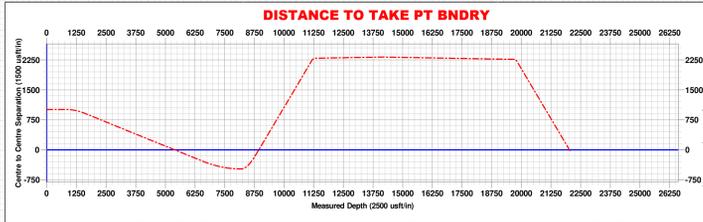
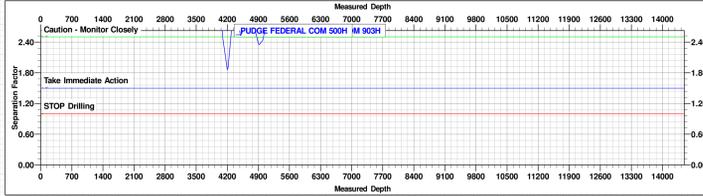
Project: ATLAS PROSPECT (DBW)
 Site: WTF COM PROJECT
 Well: WILD THING FEDERAL COM 502H
 Wellbore: OWB
 Design: PWP0
 GL: 2945.0
 KB @ 2977.0usft

WILD THING FEDERAL COM 502H

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	393651.07	597007.18	32° 4' 54.751 N	104° 1' 12.445 W

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting
TNGNT LMTR_20' R&L X 25' A&B_502H	6350.5	-1293.0	-750.6	392358.07	596256.58
KOP BOX_50' N&S X 50' E&W_502H	7957.5	-1490.0	-865.0	392161.07	596142.18
FTP/PP1_WTF_COM_502H	8435.0	-1013.7	-867.1	392637.35	596140.06
PP2_WTF_COM_502H	8439.8	4222.9	-851.6	397873.94	596155.60
PP3_WTF_COM_502H	8444.6	9556.7	-949.4	403207.74	596057.82
LTP_WILD THING FED COM 502H	8447.0	12096.6	-968.4	405747.67	596038.83
PBHL_WILD THING FED COM 502H	8447.0	12146.6	-968.7	405797.67	596038.46

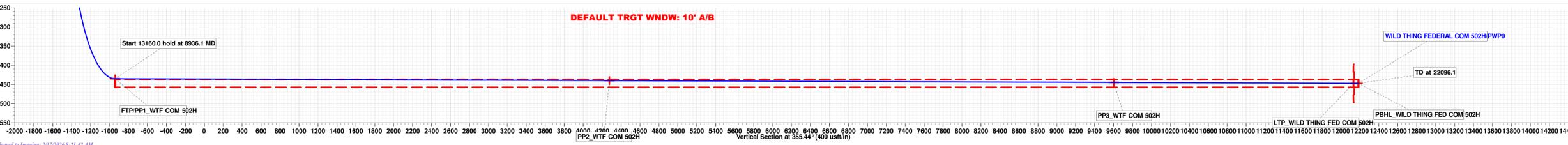
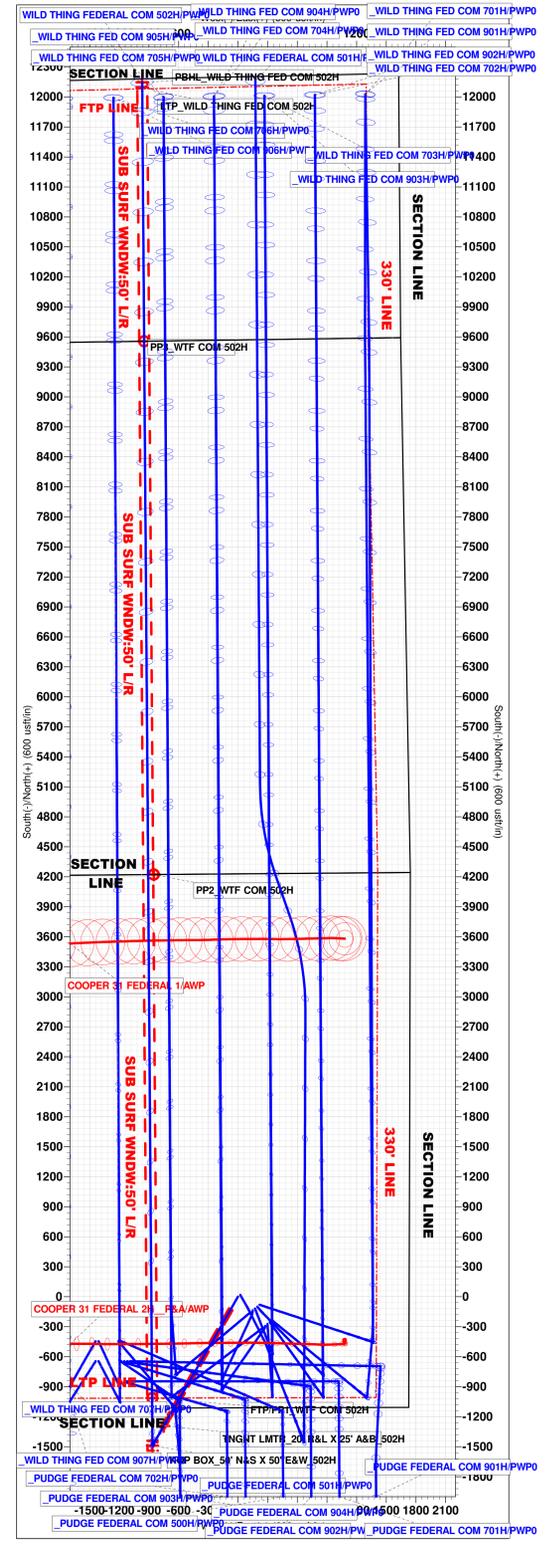
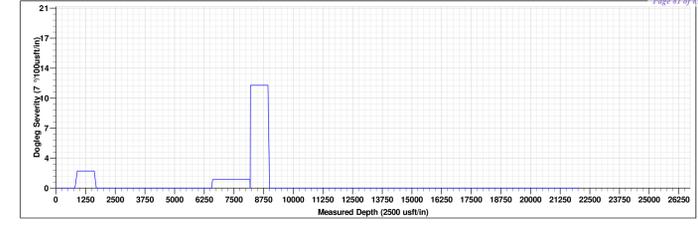
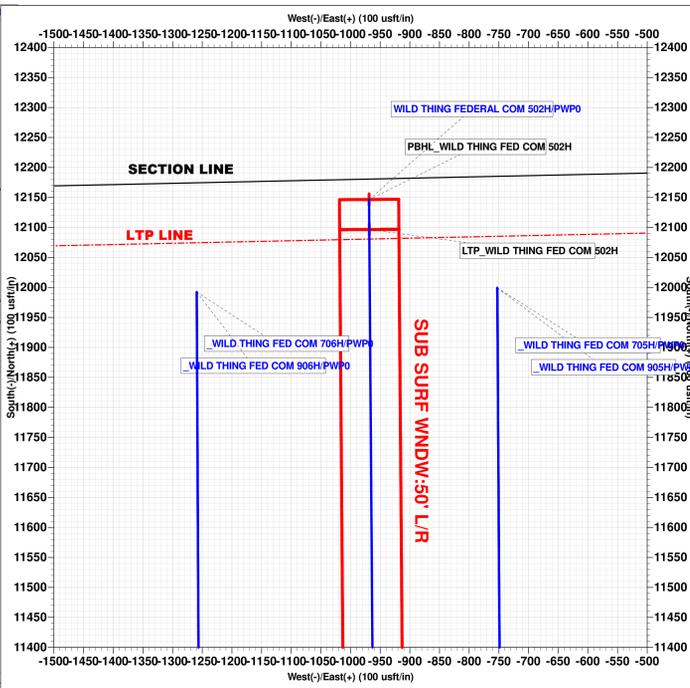
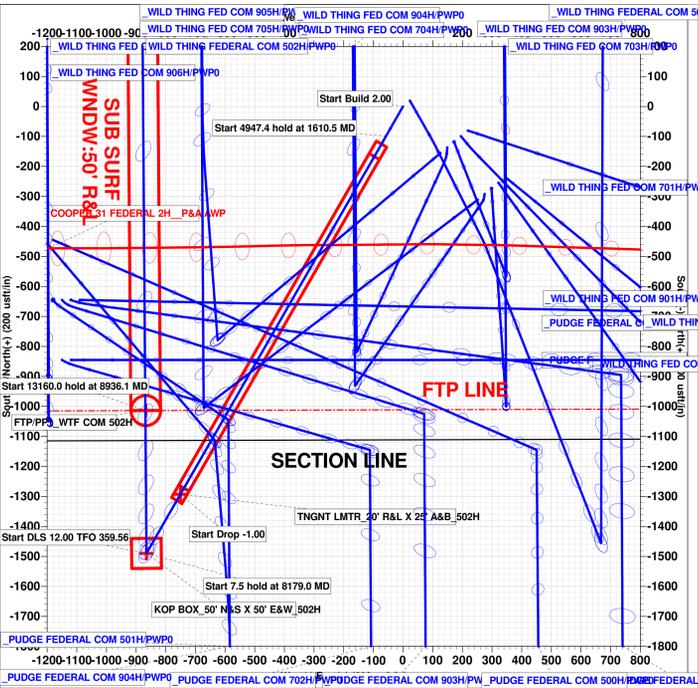
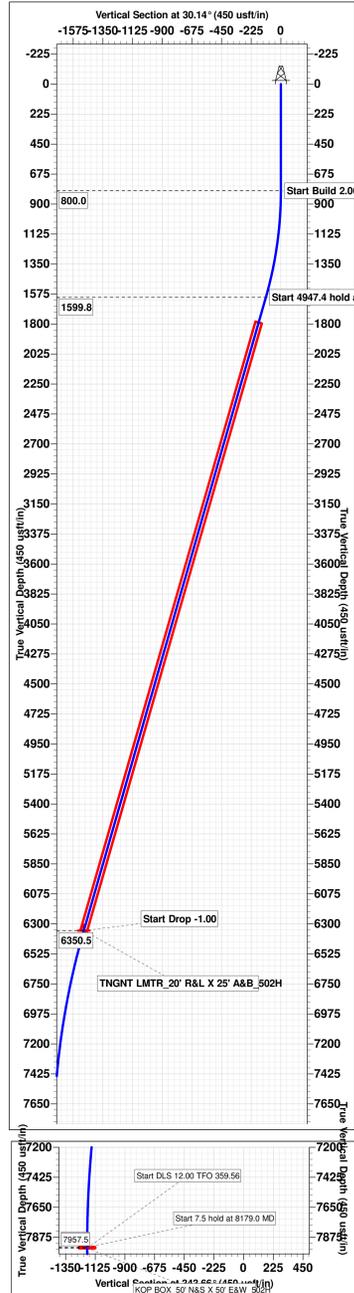
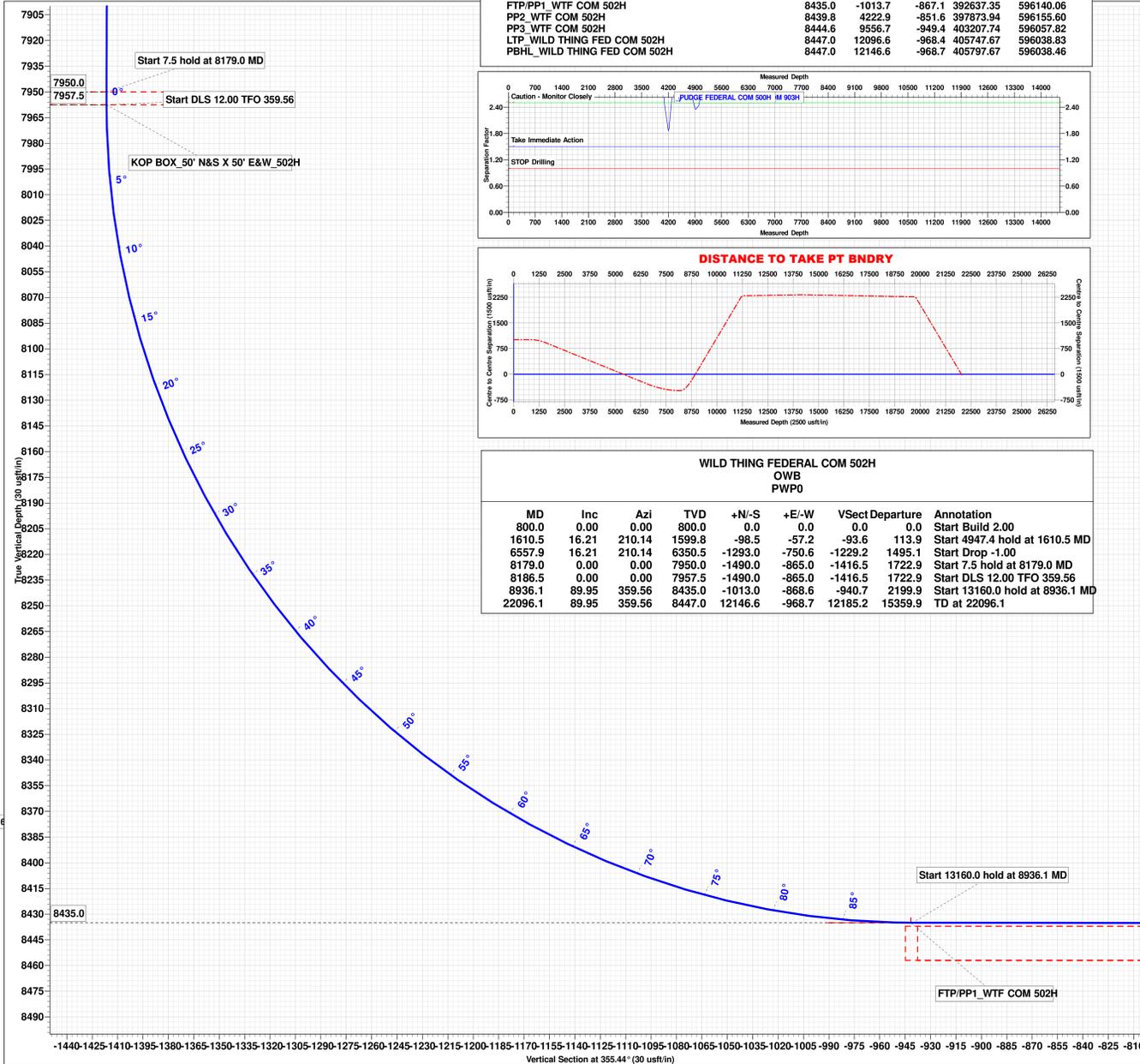


WILD THING FEDERAL COM 502H

OWB

PWP0

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
1610.5	16.21	210.14	1599.8	-98.5	-57.2	-93.6	113.9	Start 4947.4 hold at 1610.5 MD
6557.9	16.21	210.14	6350.5	-1293.0	-750.6	-1229.2	1495.1	Start Drop -1.00
8179.0	0.00	0.00	7950.0	-1490.0	-865.0	-1416.5	1722.9	Start 7.5 hold at 8179.0 MD
8186.5	0.00	0.00	7957.5	-1490.0	-865.0	-1416.5	1722.9	Start DLS 12.00 TFO 359.56
8936.1	89.95	359.56	8435.0	-1013.0	-868.6	-940.7	2199.9	Start 13160.0 hold at 8936.1 MD
22096.1	89.95	359.56	8447.0	12146.6	-968.7	12185.2	15359.9	TD at 22096.1



PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME: COG
WELL NAME & NO.: Wild Thing Fed Com 502H
LOCATION: 31-25S-29E-NMP
COUNTY: Eddy County, New Mexico

*Changes approved through engineering via **Sundry 2864561** 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 <input checked="" type="checkbox"/> Flex Hose <input checked="" type="checkbox"/> Break Testing	Casing 3-String Well <input type="checkbox"/> Liner <input type="checkbox"/> Fluid Filled <input type="checkbox"/> Casing Clearance	
	Cementing <input type="checkbox"/> DV Tool <input type="checkbox"/> Bradenhead <input type="checkbox"/> Echometer <input type="checkbox"/> Offline Cement <input type="checkbox"/> Open Annulus <input type="checkbox"/> Pilot Hole	
Special Requirements <input type="checkbox"/> Capitan Reef <input type="checkbox"/> Water Disposal <input checked="" type="checkbox"/> COM <input type="checkbox"/> 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 -10%. 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 10/3/2025
575-234-5998 / zstevens@blm.gov

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oecd/contact-us>

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

CONDITIONS

Action 518443

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 518443
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	2/17/2026