Form 3160-3
(October 2024)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☐ DRILL ☐ REENTER

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

1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone

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

8. Lease Name and Well No.

2. Name of Operator

9. API Well No. 30-025-56041

3a. Address	3b. Phone No. *(include area code)*	10. Field and Pool, or Exploratory

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface

At proposed prod. zone

11. Sec., T. R. M. or Blk. and Survey or Area

14. Distance in miles and direction from nearest town or post office*	12. County or Parish	13. State

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file

21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be requested by the BLM.

25. Signature	Name *(Printed/Typed)*	Date

Title

Approved by *(Signature)*	Name *(Printed/Typed)*	Date

Title	Office

Application approval 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.
Conditions of approval, if any, are attached.

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.

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 10/14/2025

Additional Operator Remarks

Location of Well

0. SHL: SWNE / 2365 FNL / 1505 FEL / TWSP: 25S / RANGE: 35E / SECTION: 29 / LAT: 32.102113 / LONG: -103.38587 (TVD: 0 feet, MD: 0 feet)

PPP: NENW / 1 FNL / 2091 FWL / TWSP: 25S / RANGE: 35E / SECTION: 32 / LAT: 32.094112 / LONG: -103.391314 (TVD: 12750 feet, MD: 15874 feet)

PPP: NESW / 2540 FSL / 2090 FWL / TWSP: 25S / RANGE: 35E / SECTION: 29 / LAT: 32.101094 / LONG: -103.391324 (TVD: 12750 feet, MD: 13234 feet)

BHL: SESW / 50 FSL / 2090 FWL / TWSP: 26S / RANGE: 35E / SECTION: 5 / LAT: 32.065223 / LONG: -103.391273 (TVD: 12750 feet, MD: 26284 feet)

BLM Point of Contact

Name: JANET D ESTES
Title: ADJUDICATOR
Phone: (575) 234-6233
Email: JESTES@BLM.GOV

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

WELL LOCATION INFORMATION

API Number 30-025- 56041	Pool Code 98117	Pool Name WC-025 G-09 S263504N; Wolfcamp
Property Code 338321	Property Name BOATER FEDERAL COM	Well Number 803H
OGRID No. 229137	Operator Name COG OPERATING LLC	Ground Level Elevation 3260.0'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal	Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal	

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
G	29	25-S	35-E		2365 FNL	1505 FEL	32.102113°N	103.385870°W	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
N	5	26-S	35-E		50 FSL	2090 FWL	32.065223°N	103.391273°W	LEA

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
640	Infill	Pending 804H	Yes	Com
Order Numbers.			Well setbacks are under Common Ownership: ☒Yes ☐No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
G	29	25-S	35-E		2365 FNL	1505 FEL	32.102113°N	103.385870°W	LEA

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
K	29	25-S	35-E		2540 FSL	2090 FWL	32.101094°N	103.391324°W	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
N	5	26-S	35-E		100 FSL	2090 FWL	32.065361°N	103.391273°W	LEA

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3260.0'

OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Signature: Stan Wagner Date: 7/7/25

Printed Name: Stan Wagner

Email Address:

SURVEYOR CERTIFICATIONS

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made be me or under my supervision, and that the same is true and correct to the best of my belief.

CHAD L. HARCROW NEW MEXICO 17777 LICENSED PROFESSIONAL SURVEYOR

Chad Harcrow 6/6/25

Signature and Seal of Professional Suveyor

Certificate Number: 17777

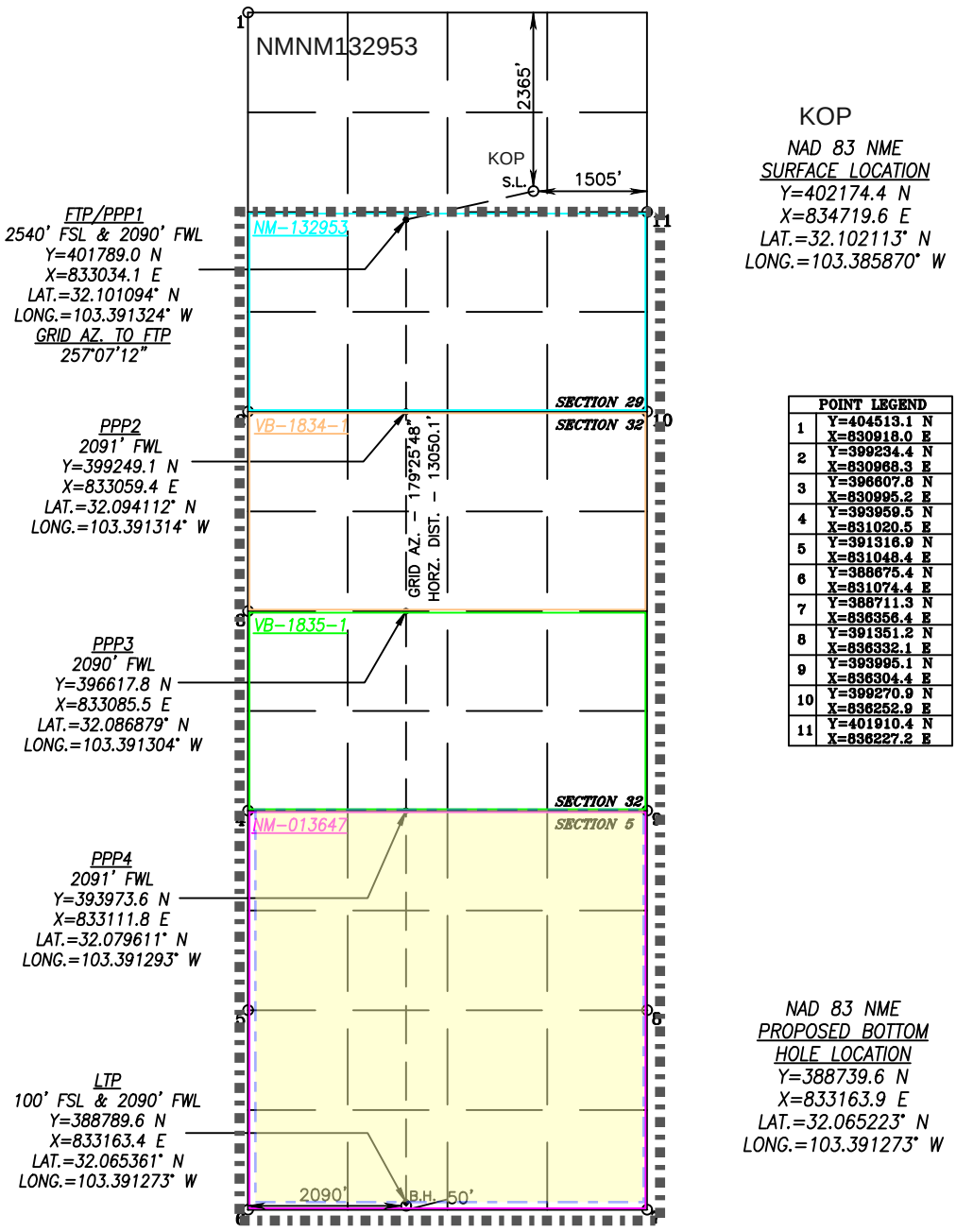
Date of Survey: MAY 28, 2025

W.O.#25-507 | DRAWN BY: WN | PAGE 1 OF 2

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.



POINT LEGEND	
1	Y=404513.1 N X=830918.0 E
2	Y=399234.4 N X=830968.3 E
3	Y=396607.8 N X=830995.2 E
4	Y=393959.5 N X=831020.5 E
5	Y=391316.9 N X=831048.4 E
6	Y=388675.4 N X=831074.4 E
7	Y=388711.3 N X=836356.4 E
8	Y=391351.2 N X=836332.1 E
9	Y=393995.1 N X=836304.4 E
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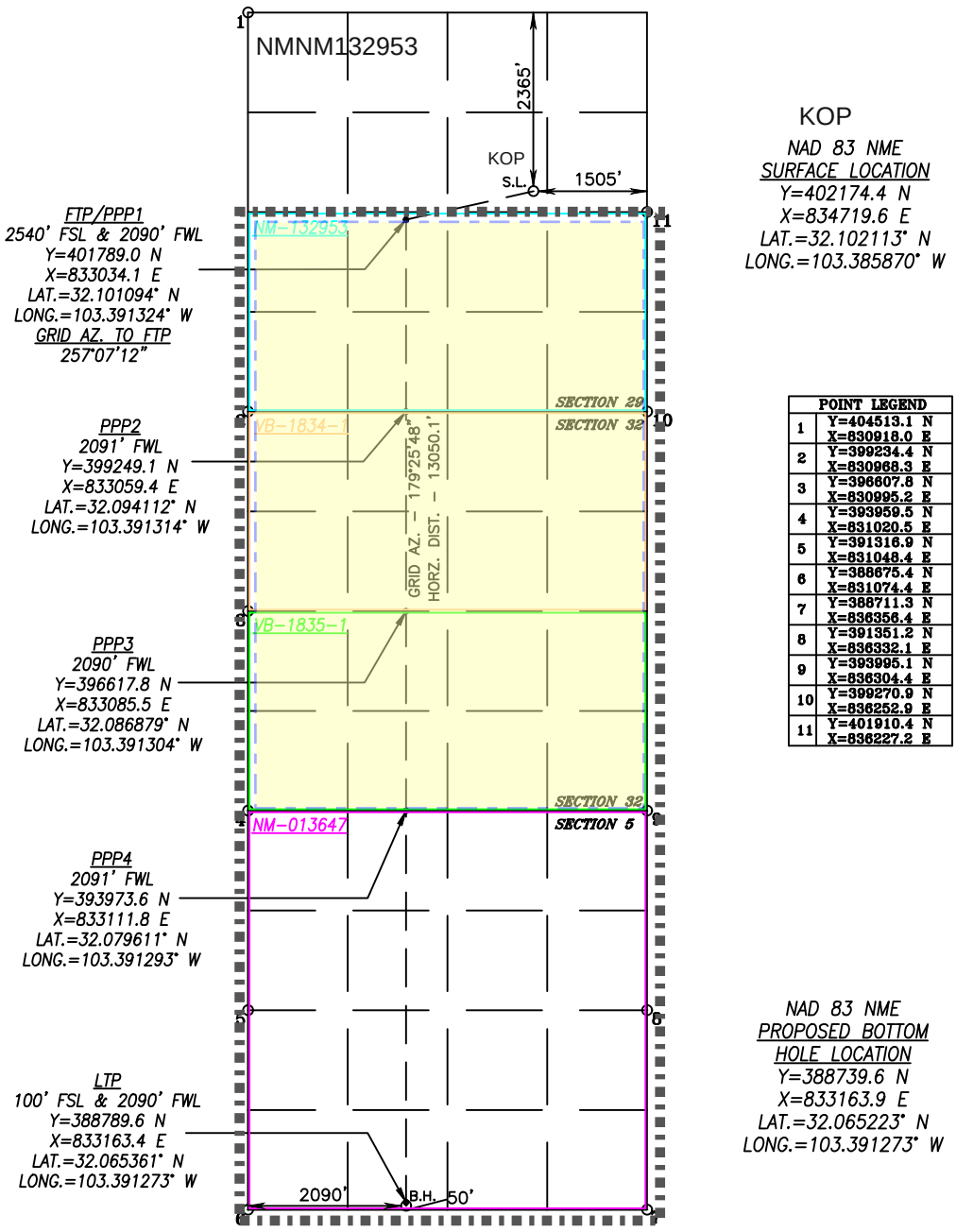

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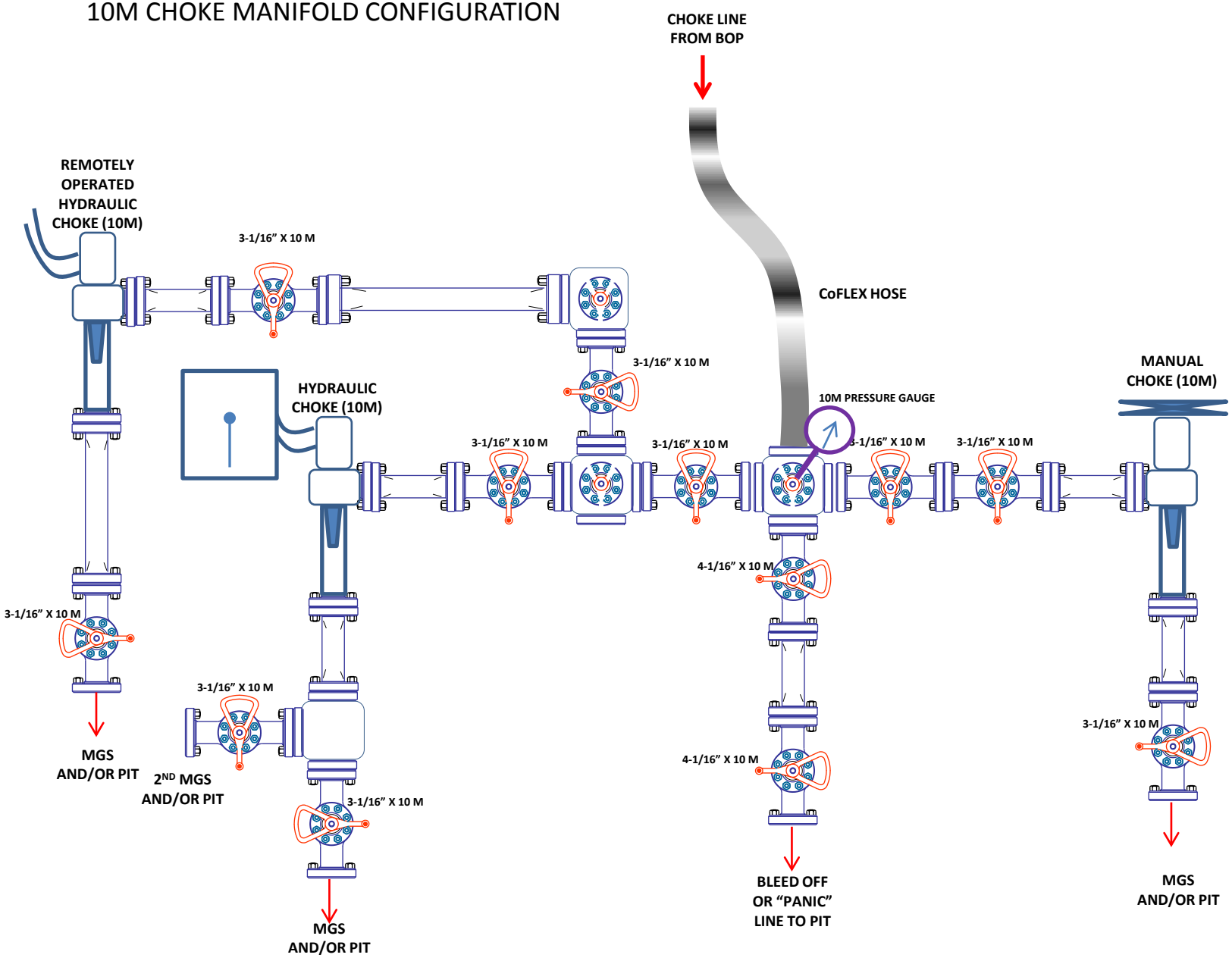
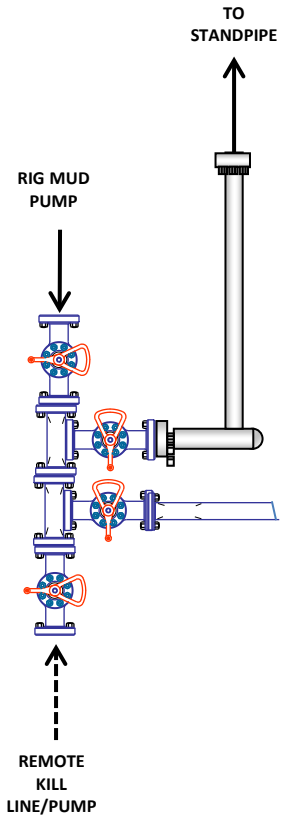
10M CHOKE MANIFOLD CONFIGURATION

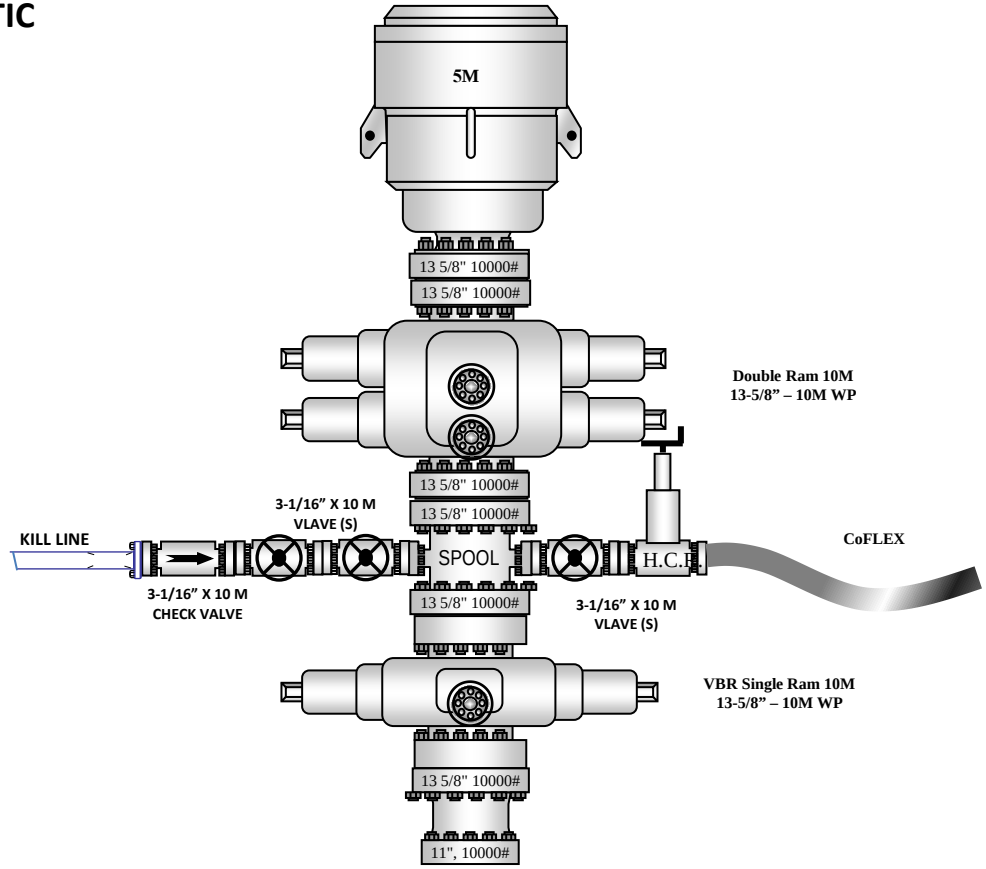


10M BOP Stack

10M REMOTE KILL SCHEMATIC



10M BOP Stack
(5M Annular)



ConocoPhillips - Boater Federal Com 803H

1. Geologic Formations

TVD of Target:	12,750' EOL	Pilot hole depth:	N/A
MD at TD:	26,284'	Deepest expected fresh water:	230'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	708	Water	
Top of Salt	855	Salt	
Base of Salt	5148	Salt	
Lamar	5266	Salt Water	
Bell Canyon	5279	Salt Water	
Cherry Canyon	6263	Oil/Gas	
Brushy Canyon	7944	Oil/Gas	
Bone Spring	9199	Oil/Gas	
1st Bone Spring Sand	10383	Oil/Gas	
2nd Bone Spring Sand	10912	Oil/Gas	
3rd Bone Spring Sand	12002	Oil/Gas	
Wolfcamp	12383	Oil/Gas	
Wolfcamp A	12509	Oil/Gas	
Wolfcamp B	12759	Target Oil/Gas	

2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
14.75"	0	705	10.75"	45.5	J55	BTC	6.48	8.32	22.29	24.81
9.875"	0	8200	7.625"	29.7	L80-ICY	BTC	2.44	1.02	2.98	3.01
8.750"	8200	12380	7.625"	29.7	P110-ICY	W513	2.80	1.54	2.90	1.74
6.75"	0	12180	5.5"	23	P110-CY	BTC	3.31	2.01	2.60	2.60
6.75"	12180	26,284	5.5"	23	P110-CY	W441	3.23	2.01	2.49	2.26
				BLM Minimum Safety Factor			1.125	1	1.6 Dry 1.8 Wet	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

The 5 1/2" W441 casing will be run back 200’ into the intermediate casing to ensure the coupling OD clearance is greater than .422” for the cement bond tie in.

ConocoPhillips - Boater Federal Com 803H

	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?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary?	
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3rd string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

ConocoPhillips - Boater Federal Com 803H

3. Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H_20 gal/sk	500# Comp. Strength (hrs)	Slurry Description
Surf.	193	13.5	1.75	9	12	Lead: Class C
	187	14.8	1.34	6.34	8	Tail: Class C
Int. Stage 1	1201	11	2.54	15.33	12	Lead: Class C
	112	14.8	1.34	6.52	8	Tail: Class C
Int. Stage 2	554	12.9	1.9	10.52	24	Lead: Class C
	192	14.8	1.34	6.52	8	Tail: Class C
Prod	673	12.7	1.68	9.09	72	Lead: Class C
	1348	14.5	1.18	5.26	19	Tail: Class H

Intermediate cement job to be performed offline.
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.

Stage tool ~50' into Lamar if required.

Casing String	TOC	% Excess
Surface	0’	50% in OH
Int Stg 1	0’	50% in OH
Int Stg 2	0’	20% in OH
Production	11,880'	35% OH in Lateral (KOP to EOL)

3b. Contingency Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H_20 gal/sk	500# Comp. Strength (hrs)	Slurry Description
Surf.	193	13.5	1.75	9	12	Lead: Class C
	187	14.8	1.34	6.34	8	Tail: Class C
Bradenhead Stage 1	462	15.6	1.216	5.28	6	Stage 1 Lead: Class H
	134	16.2	1.123	4.6	11	Stage 1 Tail: Class H
Bradenhead Stage 2	2500	14.8	1.5	7.2	4	Bradenhead: Thixotropic Class C
	400	14.8	1.33	6.4	5	Top Out: Class C
Prod	673	12.7	1.68	9.09	72	Lead: Class C
	1348	14.5	1.18	5.26	19	Tail: Class H

If conditions dictate, an offline bradenhead cement job will be performed to ensure cement to surface.

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% in OH
BH Stg 1	0’	50% in OH
BH Stg 2	7,944'	122%
Production	11,880'	35% OH in Lateral (KOP to EOL)

ConocoPhillips - Boater Federal Com 803H

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:
9-7/8”	13-5/8”	5M	Annular	x	2500psi
			Blind Ram	x	5000psi
			Pipe Ram	x	
			Double Ram	x	
			Other*		
6-3/4”	13-5/8”	10M	5M Annular	x	2500psi
			Blind Ram	x	10000psi
			Pipe Ram	x	
			Double Ram	x	
			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 43 CFR part 3170 Subpart 3172. 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?
Y	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.	

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	7-5/8" Int shoe	Brine Diesel Emulsion	8.6 - 10	28-34	N/C
7-5/8" Int shoe	Lateral TD	OBM	9 - 13	35-45	<20

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 - Boater Federal Com 803H

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	8620 psi at 12750' TVD
Abnormal Temperature	NO 180 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?

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

COG OPERATING LLC
HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

1. HYDROGEN SULFIDE TRAINING

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

a. The hazards and characteristics of hydrogen sulfide (H_2S).
b. The proper use and maintenance of personal protective equipment and life support systems.
c. The proper use of H_2S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
d. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

a. The effects of H2S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
b. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
c. The contents and requirements of the H_2S Drilling Operations Plan and the Public Protection Plan.

There will be an initial training session just prior to encountering a known or probable H2S zone (within 3 days or 500 feet) and weekly H2S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H2S Drilling Operations Plan and the Public Protection Plan. This plan shall be available at the well site. All personnel will be required to carry documentation that they have received the proper training.

2. H_2S SAFETY EQUIPMENT AND SYSTEMS

Note: All H_2S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonably expected to contain H2S. If H2S greater than 100 ppm is encountered in the gas stream we will shut in and install H2S equipment.

a. Well Control Equipment:
Flare line.
Choke manifold with remotely operated choke.
Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit.
Auxiliary equipment to include: annular preventer, mud-gas separator, rotating head.

b. Protective equipment for essential personnel:
Mark II Surviveair 30-minute units located in the dog house and at briefing areas.

c. H2S detection and monitoring equipment:
2 - portable H2S monitor positioned on location for best coverage and response. These units have warning lights and audible sirens when H2S levels of 20 ppm are reached.

d. Visual warning systems:
Caution/Danger signs shall be posted on roads providing direct access to location. Signs will be painted a high visibility yellow with black lettering of sufficient size to be readable at a reasonable distance from the immediate location. Bilingual signs will be used, when appropriate. See example attached.

e. Mud Program:
The mud program has been designed to minimize the volume of H2S circulated to the surface.

f. Metallurgy:
All drill strings, casings, tubing, wellhead, blowout preventers, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H2S service.

g. Communication:
Company vehicles equipped with cellular telephone.

COG OPERATING LLC has conducted a review to determine if an H2S contingency plan is required for the above referenced well. We were able to conclude that any potential hazardous volume would be minimal. H2S concentrations of wells in this area from surface to TD are low enough; therefore, we do not believe that an H2S contingency plan is necessary.

W A R N I N G

YOU ARE ENTERING AN H_2S AREA
AUTHORIZED PERSONNEL ONLY

1. ***BEARDS OR CONTACT LENSES NOT ALLOWED***
2. ***HARD HATS REQUIRED***
3. ***SMOKING IN DESIGNATED AREAS ONLY***
4. ***BE WIND CONSCIOUS AT ALL TIMES***
5. ***CK WITH COG OPERATING LLC FOREMAN AT MAIN OFFICE***

COG OPERATING LLC

1-575-748-6940

EMERGENCY CALL LIST

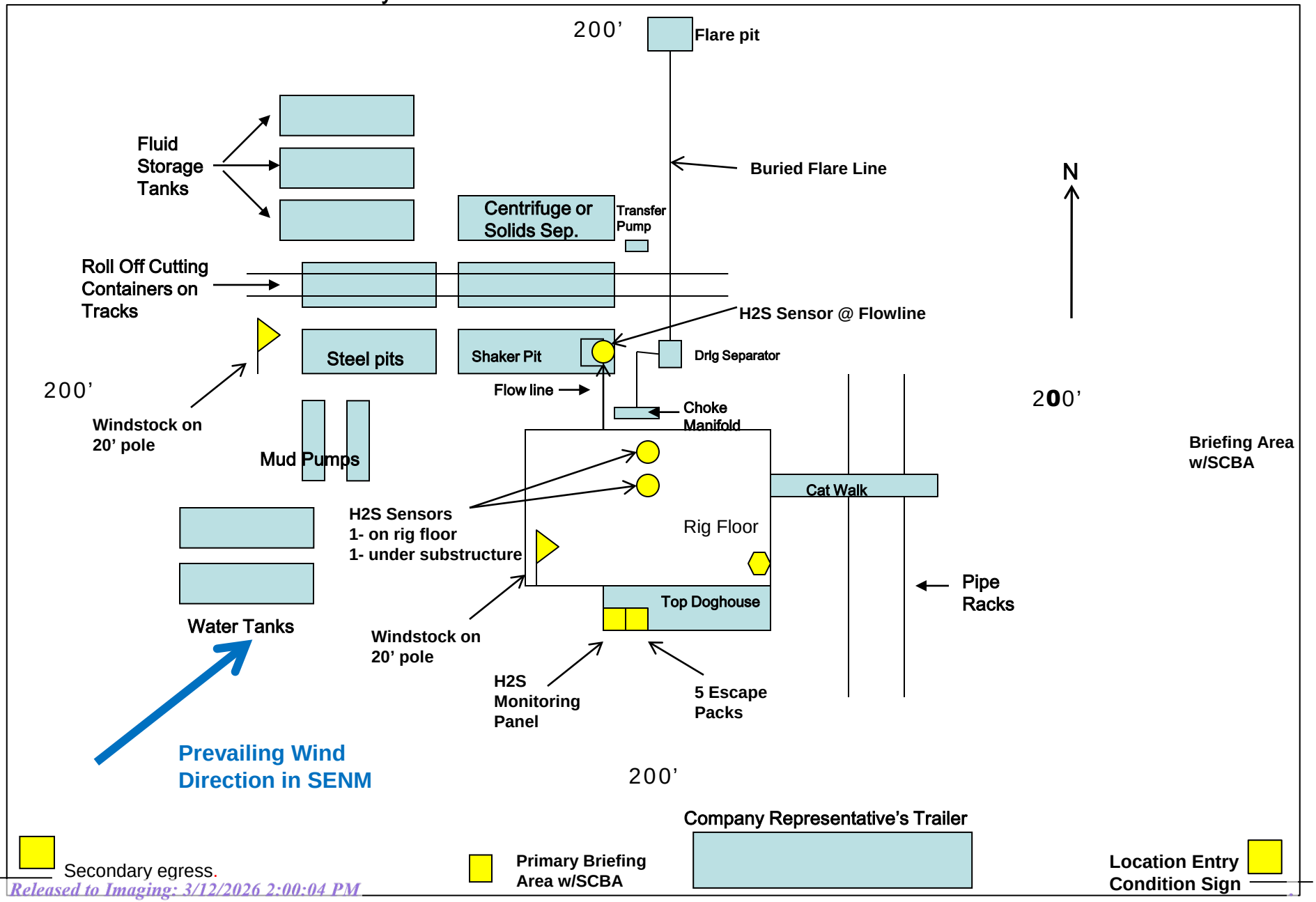
	OFFICE	MOBILE
COG OPERATING LLC OFFICE	575-748-6940	
Dallas Daley	432-818-2329	432-631-6977

EMERGENCY RESPONSE NUMBERS

	OFFICE
STATE POLICE	575-748-9718
EDDY COUNTY SHERIFF	575-746-2701
EMERGENCY MEDICAL SERVICES (AMBULANCE)	911 or 575-746-2701
EDDY COUNTY EMERGENCY MANAGEMENT (HARRY BURGESS)	575-887-9511
STATE EMERGENCY RESPONSE CENTER (SERC)	575-476-9620
CARLSBAD POLICE DEPARTMENT	575-885-2111
CARLSBAD FIRE DEPARTMENT	575-885-3125
NEW MEXICO OIL CONSERVATION DIVISION	575-748-1283
INDIAN FIRE & SAFETY	800-530-8693
HALLIBURTON SERVICES	800-844-8451

COG Operating LLC
H_2S Equipment Schematic
Terrain: Shinnery sand hills.

Well pad will be 400' x 400' with cellar in center of pad



DELAWARE BASIN EAST

LEA COUNTY SOUTHEAST
BOATER FED COM PROJECT
_BOATER FED COM 803H

OWB
PWP0

Anticollision Report

24 April, 2025

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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:	Max. Cent. Dist. of 1,000.0usft or Max. Ell. Sep. of 500.0usft	**Error Surface:**	Combined Pedal Curve
Warning Levels Evaluated at:	2.79 **Sigma**	**Casing Method:**	Added to Error Values

Survey Tool Program **Date** 4/24/2025

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	26,284.0	PWP0 (OWB)	r.5 MWD+IFR1+SAG+FDIR	ISCWSA MWD + IFR1 + SAG + FDIR Corr

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
BOATER FED COM PROJECT						
_BOATER FED COM 601H - OWB - PWP0						Out of range
_BOATER FED COM 602H - OWB - PWP0	12,100.0	11,931.4	81.7	44.2	2.180	Caution - Monitor Closely, CC, ES, SF
_BOATER FED COM 603H - OWB - PWP0	2,480.5	2,490.4	59.0	45.5	4.372	CC
_BOATER FED COM 603H - OWB - PWP0	2,500.0	2,510.0	59.0	45.5	4.351	ES, SF
_BOATER FED COM 701H - OWB - PWP0	14,289.1	13,809.4	690.6	643.4	14.643	CC
_BOATER FED COM 701H - OWB - PWP0	21,000.0	20,516.6	691.7	550.2	4.888	ES, SF
_BOATER FED COM 702H - OWB - PWP0	7,188.2	7,134.8	56.9	27.6	1.941	Caution - Monitor Closely, CC, ES, SF
_BOATER FED COM 703H - OWB - PWP0	2,000.0	2,000.0	119.7	108.3	10.465	CC, ES
_BOATER FED COM 703H - OWB - PWP0	2,100.0	2,100.0	121.5	109.6	10.279	SF
_BOATER FED COM 801H - OWB - PWP0						Out of range
_BOATER FED COM 802H - OWB - PWP0	24,800.0	24,529.4	863.4	657.9	4.201	CC
_BOATER FED COM 802H - OWB - PWP0	25,800.0	25,529.4	864.9	642.7	3.892	ES
_BOATER FED COM 802H - OWB - PWP0	26,100.0	25,810.0	877.6	650.4	3.862	SF
_BOATER FED COM 804H - OWB - PWP0	2,569.7	2,575.6	29.1	15.5	2.137	Caution - Monitor Closely, CC, ES
_BOATER FED COM 804H - OWB - PWP0	2,600.0	2,605.9	29.3	15.6	2.135	Caution - Monitor Closely, SF
_BOATER FED COM 805H - OWB - PWP0	2,000.0	2,000.0	89.7	78.3	7.843	CC, ES
_BOATER FED COM 805H - OWB - PWP0	2,100.0	2,100.0	91.4	79.6	7.752	SF
_BOATER FED COM 806H - OWB - PWP0	2,000.0	2,000.0	149.7	138.3	13.088	CC, ES
_BOATER FED COM 806H - OWB - PWP0	2,100.0	2,094.9	153.1	141.2	12.893	SF
CAVE LION 5 FEDERAL 26 5 TG 001H - OWB - AWP						Out of range
CAVE LION 5 TB FEDERAL - OWB - AWP						Out of range
CAVE LION 5 TB FEDERAL 008H - OWB - AWP	25,458.1	13,021.1	479.4	314.2	2.902	Normal Operations, CC
CAVE LION 5 TB FEDERAL 008H - OWB - AWP	25,500.0	12,980.8	479.5	313.9	2.896	Normal Operations, ES, SF
CAVE LION 5 TB FEDERAL 015H - OWB - AWP						Out of range
CAVE LION 5 WA FEDERAL 009H - OWB - AWP	23,858.3	14,908.0	219.6	84.1	1.620	Caution - Monitor Closely, CC
CAVE LION 5 WA FEDERAL 009H - OWB - AWP	25,500.0	13,266.1	237.1	83.4	1.542	Caution - Monitor Closely, ES, SF
CAVE LION 5 WC FEDERAL 002H - OWB - AWP	26,227.4	12,827.8	789.5	622.6	4.728	CC, ES
CAVE LION 5 WC FEDERAL 002H - OWB - AWP	26,284.3	12,815.5	791.5	623.3	4.706	SF
CAVE LION 5 WXY FEDERAL 006H - OWB - AWP						Out of range
CAVE LION FEDERAL 26-35-5 WA 005H - OWB - AWP						Out of range

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
CAVE LION 5 FEDERAL (5H, 1H)						
CAVE LION 5 FEDERAL BC 1H (MRO) - CAVE LION 5 F						Out of range
CAVE LION 5 FEDERAL WC 5H (MRO) - CAVE LION 5						Out of range
CAVE LION 5 FEDERAL WC 5H (MRO) - CAVE LION 5						Out of range
CHARLIE MURPHY 6 FC (18H, 15H, 14H, 12H)						
CHARLIE MURPHY 6 TB FC 14H (MRO) - CHARLIE MU						Out of range
CHARLIE MURPHY 6 WXY FC 18H (MRO) - CHARLIE M						Out of range
GREEN BERET FEDERAL PROJECT (BULLDOG 2535)						
GREEN BERET FED COM #501H - OWB - AWP						Out of range
GREEN BERET FED COM #602H - OWB - AWP						Out of range
GREEN BERET FED COM #603H - OWB - AWP	12,502.4	19,628.5	175.5	87.4	1.991	Caution - Monitor Closely, CC, ES, SF
GREEN BERET FED COM #701H - OWB - AWP						Out of range
GREEN BERET FED COM #702H - OWB - AWP	12,875.0	20,233.0	765.4	673.3	8.313	SF
GREEN BERET FED COM #702H - OWB - AWP	13,012.9	20,351.5	761.0	669.6	8.329	CC, ES
GREEN BERET FED COM #703H - OWB - AWP	12,790.6	19,906.3	232.0	142.8	2.602	Normal Operations, CC, ES
GREEN BERET FED COM #703H - OWB - AWP	12,800.0	19,912.6	232.1	142.9	2.600	Normal Operations, SF
GREEN BERET FED COM #704H - OWB - AWP	12,770.8	20,029.8	599.6	510.8	6.758	CC
GREEN BERET FED COM #704H - OWB - AWP	12,775.0	20,032.0	599.6	510.8	6.756	ES
GREEN BERET FED COM #704H - OWB - AWP	12,825.0	20,062.4	601.1	512.1	6.748	SF
GREEN BERET FED COM #705H - OWB - AWP						Out of range
GREEN BERET FED COM #801H - OWB - AWP						Out of range
GREEN BERET FED COM #802H - OWB - AWP						Out of range
TELE DELUX 32 STATE 4H - OWB - AWP						Out of range
PITCHBLENDE FEDERAL PROJECT						
SQUARE BILL FED COM #1H - OWB - AWP						Out of range
SQUARE BILL FED COM #21Y - OWB - AWP						Out of range
SQUARE BILL FED COM #22H - OWB - AWP						Out of range

Offset Design: BOATER FED COM PROJECT - _BOATER FED COM 602H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1

Offset Well Error: 0.0 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,500.0	5,399.6	5,578.1	5,543.1	12.0	17.8	-5.68	9.9	-1,777.5	987.5	957.2	30.33	32.558	
5,600.0	5,496.3	5,670.0	5,634.0	12.2	18.2	-5.82	10.6	-1,764.2	948.2	917.3	30.93	30.652	
5,700.0	5,592.9	5,754.0	5,717.1	12.4	18.5	-5.97	11.2	-1,752.2	909.2	877.6	31.51	28.853	
5,800.0	5,689.6	5,834.1	5,796.6	12.6	18.9	-6.11	11.7	-1,741.8	871.3	839.3	32.07	27.172	
5,900.0	5,786.2	5,915.1	5,877.0	12.8	19.2	-6.27	12.2	-1,732.5	834.8	802.2	32.62	25.593	
6,000.0	5,882.9	6,000.0	5,961.5	13.1	19.5	-6.45	12.6	-1,723.9	799.6	766.5	33.17	24.106	
6,100.0	5,979.6	6,079.7	6,040.9	13.3	19.8	-6.64	12.9	-1,716.9	765.8	732.1	33.69	22.732	
6,200.0	6,076.2	6,163.4	6,124.3	13.5	20.1	-6.84	13.2	-1,710.9	733.4	699.2	34.20	21.442	
6,300.0	6,172.9	6,247.8	6,208.6	13.7	20.4	-7.07	13.5	-1,706.0	702.3	667.6	34.70	20.240	
6,400.0	6,269.5	6,333.0	6,293.8	13.9	20.7	-7.31	13.7	-1,702.3	672.7	637.5	35.17	19.126	
6,500.0	6,366.2	6,419.0	6,379.7	14.1	20.9	-7.58	13.8	-1,699.8	644.5	608.9	35.61	18.097	
6,600.0	6,462.9	6,505.8	6,466.5	14.4	21.1	-7.86	13.8	-1,698.6	617.8	581.8	36.01	17.159	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 602H - OWB - PWP0 — **Offset Site Error:** 0.0 usft

Survey Program: 0-r.5 MWD+IFR1 — **Rule Assigned:** — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
6,700.0	6,559.5	6,598.8	6,559.5	14.6	21.2	-8.19	13.8	-1,698.6	592.3	556.1	36.22	16.354	
6,800.0	6,656.2	6,695.5	6,656.2	14.8	21.2	-8.55	13.8	-1,698.6	566.9	530.5	36.43	15.564	
6,900.0	6,752.8	6,792.2	6,752.8	15.0	21.3	-8.96	13.8	-1,698.6	541.6	504.9	36.64	14.783	
7,000.0	6,849.5	6,888.8	6,849.5	15.2	21.3	-9.40	13.8	-1,698.6	516.3	479.4	36.85	14.011	
7,100.0	6,946.2	6,985.5	6,946.2	15.5	21.4	-9.89	13.8	-1,698.6	491.0	453.9	37.06	13.249	
7,200.0	7,042.8	7,082.1	7,042.8	15.7	21.4	-10.43	13.8	-1,698.6	465.7	428.4	37.27	12.497	
7,300.0	7,139.5	7,178.8	7,139.5	15.9	21.4	-11.03	13.8	-1,698.6	440.5	403.0	37.47	11.755	
7,400.0	7,236.1	7,275.5	7,236.1	16.1	21.5	-11.71	13.8	-1,698.6	415.3	377.7	37.68	11.023	
7,500.0	7,332.8	7,372.1	7,332.8	16.4	21.5	-12.47	13.8	-1,698.6	390.2	352.4	37.88	10.302	
7,600.0	7,429.5	7,468.8	7,429.5	16.6	21.6	-13.34	13.8	-1,698.6	365.2	327.1	38.08	9.591	
7,700.0	7,526.1	7,565.4	7,526.1	16.8	21.6	-14.33	13.8	-1,698.6	340.3	302.0	38.27	8.892	
7,800.0	7,622.8	7,662.1	7,622.8	17.0	21.6	-15.48	13.8	-1,698.6	315.5	277.0	38.45	8.205	
7,900.0	7,719.4	7,758.8	7,719.4	17.3	21.7	-16.82	13.8	-1,698.6	290.8	252.2	38.61	7.530	
8,000.0	7,816.1	7,855.4	7,816.1	17.5	21.7	-18.41	13.8	-1,698.6	266.3	227.5	38.76	6.870	
8,100.0	7,912.8	7,952.1	7,912.8	17.7	21.8	-20.32	13.8	-1,698.6	242.0	203.1	38.87	6.226	
8,200.0	8,009.4	8,048.7	8,009.4	17.9	21.8	-22.65	13.8	-1,698.6	218.0	179.1	38.94	5.599	
8,222.9	8,031.5	8,070.8	8,031.5	18.0	21.8	-23.26	13.8	-1,698.6	212.6	173.7	38.94	5.460	
8,300.0	8,106.2	8,145.5	8,106.2	18.1	21.9	-25.40	13.8	-1,698.6	195.0	156.0	38.93	5.008	
8,400.0	8,203.4	8,242.7	8,203.4	18.4	21.9	-28.60	13.8	-1,698.6	173.9	135.1	38.86	4.476	
8,500.0	8,301.0	8,340.3	8,301.0	18.6	22.0	-32.32	13.8	-1,698.6	155.0	116.3	38.68	4.008	
8,600.0	8,399.0	8,438.3	8,399.0	18.8	22.0	-36.64	13.8	-1,698.6	138.4	100.0	38.38	3.605	
8,700.0	8,497.3	8,536.6	8,497.3	19.0	22.0	-41.57	13.8	-1,698.6	124.0	86.1	37.94	3.268	
8,800.0	8,595.9	8,635.2	8,595.9	19.2	22.1	-47.10	13.8	-1,698.6	112.0	74.6	37.37	2.997	Normal Operations
8,900.0	8,694.8	8,734.1	8,694.8	19.4	22.1	-53.11	13.8	-1,698.6	102.4	65.7	36.68	2.791	Normal Operations
9,000.0	8,793.9	8,833.2	8,793.9	19.6	22.2	-59.38	13.8	-1,698.6	95.0	59.0	35.96	2.641	Normal Operations
9,100.0	8,893.2	8,932.5	8,893.2	19.8	22.2	-65.61	13.8	-1,698.6	89.6	54.4	35.28	2.541	Normal Operations
9,200.0	8,992.8	9,032.1	8,992.8	19.9	22.3	-71.45	13.8	-1,698.6	86.1	51.3	34.75	2.477	Caution - Monitor Closely
9,300.0	9,092.4	9,131.7	9,092.4	20.1	22.3	-76.59	13.8	-1,698.6	83.9	49.5	34.40	2.438	Caution - Monitor Closely
9,400.0	9,192.2	9,231.5	9,192.2	20.3	22.4	-80.79	13.8	-1,698.6	82.6	48.4	34.23	2.414	Caution - Monitor Closely
9,500.0	9,292.1	9,331.4	9,292.1	20.4	22.4	-83.88	13.8	-1,698.6	82.0	47.8	34.19	2.399	Caution - Monitor Closely
9,600.0	9,392.1	9,431.4	9,392.1	20.5	22.5	-85.80	13.8	-1,698.6	81.8	47.5	34.25	2.388	Caution - Monitor Closely
9,700.0	9,492.1	9,531.4	9,492.1	20.6	22.5	-86.50	13.8	-1,698.6	81.7	47.4	34.36	2.378	Caution - Monitor Closely
9,707.9	9,500.0	9,539.3	9,500.0	20.6	22.5	-173.29	13.8	-1,698.6	81.7	47.3	34.37	2.377	Caution - Monitor Closely
9,800.0	9,592.1	9,631.4	9,592.1	20.7	22.6	-173.29	13.8	-1,698.6	81.7	47.2	34.49	2.370	Caution - Monitor Closely
9,900.0	9,692.1	9,731.4	9,692.1	20.7	22.6	-173.29	13.8	-1,698.6	81.7	47.1	34.61	2.361	Caution - Monitor Closely
10,000.0	9,792.1	9,831.4	9,792.1	20.8	22.7	-173.29	13.8	-1,698.6	81.7	47.0	34.74	2.352	Caution - Monitor Closely
10,100.0	9,892.1	9,931.4	9,892.1	20.8	22.7	-173.29	13.8	-1,698.6	81.7	46.8	34.87	2.343	Caution - Monitor Closely
10,200.0	9,992.1	10,031.4	9,992.1	20.8	22.8	-173.29	13.8	-1,698.6	81.7	46.7	35.00	2.335	Caution - Monitor Closely
10,300.0	10,092.1	10,131.4	10,092.1	20.9	22.8	-173.29	13.8	-1,698.6	81.7	46.6	35.13	2.326	Caution - Monitor Closely
10,400.0	10,192.1	10,231.4	10,192.1	20.9	22.8	-173.29	13.8	-1,698.6	81.7	46.5	35.26	2.318	Caution - Monitor Closely
10,500.0	10,292.1	10,331.4	10,292.1	21.0	22.9	-173.29	13.8	-1,698.6	81.7	46.3	35.39	2.309	Caution - Monitor Closely
10,600.0	10,392.1	10,431.4	10,392.1	21.0	22.9	-173.29	13.8	-1,698.6	81.7	46.2	35.52	2.301	Caution - Monitor Closely
10,700.0	10,492.1	10,531.4	10,492.1	21.1	23.0	-173.29	13.8	-1,698.6	81.7	46.1	35.65	2.292	Caution - Monitor Closely
10,800.0	10,592.1	10,631.4	10,592.1	21.1	23.0	-173.29	13.8	-1,698.6	81.7	45.9	35.78	2.284	Caution - Monitor Closely
10,900.0	10,692.1	10,731.4	10,692.1	21.2	23.1	-173.29	13.8	-1,698.6	81.7	45.8	35.91	2.276	Caution - Monitor Closely
11,000.0	10,792.1	10,831.4	10,792.1	21.2	23.1	-173.29	13.8	-1,698.6	81.7	45.7	36.04	2.267	Caution - Monitor Closely
11,100.0	10,892.1	10,931.4	10,892.1	21.3	23.2	-173.29	13.8	-1,698.6	81.7	45.5	36.17	2.259	Caution - Monitor Closely
11,200.0	10,992.1	11,031.4	10,992.1	21.3	23.2	-173.29	13.8	-1,698.6	81.7	45.4	36.30	2.251	Caution - Monitor Closely
11,300.0	11,092.1	11,131.4	11,092.1	21.4	23.3	-173.29	13.8	-1,698.6	81.7	45.3	36.43	2.243	Caution - Monitor Closely
11,400.0	11,192.1	11,231.4	11,192.1	21.4	23.4	-173.29	13.8	-1,698.6	81.7	45.2	36.57	2.235	Caution - Monitor Closely
11,500.0	11,292.1	11,331.4	11,292.1	21.5	23.4	-173.29	13.8	-1,698.6	81.7	45.0	36.70	2.227	Caution - Monitor Closely

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 602H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
11,600.0	11,392.1	11,431.4	11,392.1	21.5	23.5	-173.29	13.8	-1,698.6	81.7	44.9	36.83	2.219	Caution - Monitor Closely
11,700.0	11,492.1	11,531.4	11,492.1	21.6	23.5	-173.29	13.8	-1,698.6	81.7	44.8	36.96	2.211	Caution - Monitor Closely
11,800.0	11,592.1	11,631.4	11,592.1	21.6	23.6	-173.29	13.8	-1,698.6	81.7	44.6	37.10	2.203	Caution - Monitor Closely
11,900.0	11,692.1	11,731.4	11,692.1	21.7	23.6	-173.29	13.8	-1,698.6	81.7	44.5	37.23	2.195	Caution - Monitor Closely
12,000.0	11,792.1	11,831.4	11,792.1	21.7	23.7	-173.29	13.8	-1,698.6	81.7	44.4	37.36	2.187	Caution - Monitor Closely
12,100.0	11,892.1	11,931.4	11,892.1	21.7	23.7	-173.29	13.8	-1,698.6	81.7	44.2	37.49	2.180	Caution - Monitor Closely, CC, ES, SF
12,200.0	11,992.1	12,017.7	11,978.1	21.8	23.7	-173.79	7.8	-1,698.5	88.8	51.0	37.79	2.350	Caution - Monitor Closely
12,300.0	12,092.1	12,100.0	12,057.8	21.8	23.7	-175.04	-12.1	-1,698.3	112.9	74.0	38.88	2.903	Normal Operations
12,400.0	12,192.1	12,170.2	12,122.3	21.9	23.7	-176.17	-39.7	-1,698.0	152.0	111.1	40.95	3.712	
12,480.4	12,272.5	12,221.2	12,166.2	21.9	23.6	-176.87	-65.6	-1,697.8	192.8	150.1	42.66	4.519	
12,500.0	12,292.1	12,232.8	12,175.8	21.9	23.6	3.47	-72.1	-1,697.7	203.4	160.4	43.08	4.723	
12,525.0	12,317.0	12,250.0	12,189.7	21.9	23.6	3.19	-82.2	-1,697.6	216.7	173.2	43.43	4.989	
12,550.0	12,341.8	12,262.2	12,199.4	21.9	23.6	3.00	-89.7	-1,697.5	229.4	185.3	44.16	5.196	
12,575.0	12,366.5	12,275.0	12,209.3	21.9	23.6	2.82	-97.8	-1,697.5	241.7	196.9	44.82	5.393	
12,600.0	12,390.8	12,291.3	12,221.6	21.9	23.6	2.65	-108.4	-1,697.4	253.5	208.3	45.26	5.602	
12,625.0	12,414.9	12,305.7	12,232.2	21.9	23.6	2.51	-118.2	-1,697.3	264.8	219.0	45.81	5.781	
12,650.0	12,438.5	12,320.1	12,242.4	21.9	23.6	2.38	-128.3	-1,697.2	275.7	229.3	46.36	5.945	
12,675.0	12,461.7	12,334.4	12,252.3	21.9	23.6	2.28	-138.7	-1,697.1	286.0	239.1	46.92	6.095	
12,700.0	12,484.4	12,350.0	12,262.8	21.9	23.7	2.18	-150.3	-1,697.0	295.8	248.4	47.40	6.241	
12,725.0	12,506.5	12,363.0	12,271.1	21.9	23.7	2.09	-160.2	-1,696.9	305.1	257.1	48.01	6.354	
12,750.0	12,528.0	12,375.0	12,278.7	21.9	23.7	2.02	-169.5	-1,696.8	313.9	265.2	48.66	6.450	
12,775.0	12,548.7	12,391.3	12,288.5	21.9	23.7	1.95	-182.6	-1,696.6	322.1	273.0	49.08	6.562	
12,800.0	12,568.8	12,405.5	12,296.7	21.9	23.7	1.89	-194.1	-1,696.5	329.8	280.2	49.60	6.649	
12,825.0	12,587.9	12,419.6	12,304.4	21.9	23.7	1.84	-205.9	-1,696.4	336.9	286.8	50.11	6.724	
12,850.0	12,606.3	12,433.7	12,311.9	21.9	23.7	1.79	-217.9	-1,696.3	343.5	292.9	50.61	6.788	
12,875.0	12,623.7	12,450.0	12,320.0	21.9	23.7	1.75	-232.0	-1,696.2	349.6	298.6	51.00	6.854	
12,900.0	12,640.1	12,461.8	12,325.6	21.9	23.7	1.72	-242.4	-1,696.1	355.1	303.5	51.57	6.886	
12,925.0	12,655.6	12,475.0	12,331.6	21.9	23.7	1.69	-254.2	-1,695.9	360.0	308.0	52.06	6.916	
12,950.0	12,670.0	12,489.8	12,337.9	21.9	23.7	1.66	-267.5	-1,695.8	364.4	311.9	52.47	6.945	
12,975.0	12,683.3	12,500.0	12,342.0	22.0	23.7	1.64	-276.9	-1,695.7	368.2	315.2	53.02	6.945	
13,000.0	12,695.4	12,517.7	12,348.6	22.0	23.7	1.62	-293.4	-1,695.6	371.4	318.1	53.30	6.968	
13,025.0	12,706.5	12,531.7	12,353.4	22.0	23.8	1.60	-306.5	-1,695.4	374.1	320.4	53.69	6.967	
13,050.0	12,716.3	12,550.0	12,359.1	22.1	23.8	1.59	-323.9	-1,695.3	376.2	322.3	53.94	6.974	
13,075.0	12,724.9	12,559.6	12,361.8	22.1	23.8	1.59	-333.1	-1,695.2	377.6	323.2	54.41	6.941	
13,100.0	12,732.3	12,575.0	12,365.7	22.2	23.8	1.58	-348.0	-1,695.0	378.6	323.9	54.70	6.921	
13,125.0	12,738.4	12,587.5	12,368.6	22.2	23.8	1.58	-360.1	-1,694.9	378.9	323.9	55.04	6.884	
13,150.0	12,743.2	12,600.0	12,371.2	22.3	23.8	1.58	-372.4	-1,694.8	378.7	323.3	55.36	6.841	
13,175.0	12,746.8	12,615.4	12,373.9	22.3	23.8	1.59	-387.5	-1,694.6	377.9	322.3	55.59	6.797	
13,200.0	12,749.0	12,625.0	12,375.3	22.4	23.8	1.59	-397.0	-1,694.6	376.5	320.6	55.90	6.736	
13,225.0	12,749.9	12,643.3	12,377.5	22.4	23.9	1.61	-415.1	-1,694.4	374.5	318.5	56.05	6.682	
13,230.4	12,750.0	12,650.0	12,378.1	22.5	23.9	1.61	-421.8	-1,694.3	374.0	318.0	56.04	6.675	
13,300.0	12,750.0	12,685.3	12,379.9	22.7	23.9	1.62	-457.1	-1,694.0	370.2	313.7	56.55	6.547	
13,314.4	12,750.0	12,694.8	12,380.0	22.7	23.9	1.62	-466.6	-1,693.9	370.1	313.5	56.62	6.538	
13,400.0	12,750.0	12,780.3	12,380.0	22.9	24.1	1.62	-552.1	-1,693.0	370.1	313.3	56.84	6.512	
13,500.0	12,750.0	12,880.3	12,380.0	23.3	24.3	1.63	-652.1	-1,692.1	370.1	313.0	57.12	6.480	
13,600.0	12,750.0	12,980.3	12,380.0	23.6	24.5	1.63	-752.1	-1,691.1	370.1	312.7	57.43	6.446	
13,700.0	12,750.0	13,080.3	12,380.0	23.9	24.8	1.63	-852.1	-1,690.1	370.1	312.4	57.76	6.408	
13,800.0	12,750.0	13,180.3	12,380.0	24.3	25.1	1.64	-952.1	-1,689.2	370.1	312.0	58.12	6.369	
13,900.0	12,750.0	13,280.3	12,380.0	24.7	25.5	1.64	-1,052.1	-1,688.2	370.1	311.6	58.50	6.327	
14,000.0	12,750.0	13,380.3	12,380.0	25.1	25.9	1.64	-1,152.1	-1,687.2	370.1	311.2	58.91	6.283	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 602H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1

Offset Well Error: 0.0 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
14,100.0	12,750.0	13,480.3	12,380.0	25.5	26.3	1.65	-1,252.1	-1,686.2	370.1	310.8	59.35	6.237	
14,200.0	12,750.0	13,580.3	12,380.0	25.9	26.7	1.65	-1,352.1	-1,685.3	370.1	310.3	59.81	6.189	
14,300.0	12,750.0	13,680.3	12,380.0	26.4	27.2	1.65	-1,452.1	-1,684.3	370.1	309.9	60.29	6.140	
14,400.0	12,750.0	13,780.3	12,380.0	26.8	27.7	1.66	-1,552.1	-1,683.3	370.1	309.4	60.79	6.089	
14,500.0	12,750.0	13,880.3	12,380.0	27.3	28.2	1.66	-1,652.1	-1,682.3	370.2	308.8	61.32	6.037	
14,600.0	12,750.0	13,980.3	12,380.0	27.8	28.7	1.66	-1,752.1	-1,681.4	370.2	308.3	61.87	5.983	
14,700.0	12,750.0	14,080.3	12,380.0	28.3	29.3	1.67	-1,852.1	-1,680.4	370.2	307.7	62.43	5.929	
14,800.0	12,750.0	14,180.3	12,380.0	28.8	29.9	1.67	-1,952.1	-1,679.4	370.2	307.1	63.02	5.873	
14,900.0	12,750.0	14,280.3	12,380.0	29.4	30.5	1.67	-2,052.1	-1,678.5	370.2	306.5	63.63	5.817	
15,000.0	12,750.0	14,380.3	12,380.0	29.9	31.1	1.68	-2,152.0	-1,677.5	370.2	305.9	64.26	5.760	
15,100.0	12,750.0	14,480.3	12,380.0	30.5	31.7	1.68	-2,252.0	-1,676.5	370.2	305.2	64.91	5.703	
15,200.0	12,750.0	14,580.3	12,380.0	31.0	32.4	1.69	-2,352.0	-1,675.5	370.2	304.6	65.57	5.645	
15,300.0	12,750.0	14,680.3	12,380.0	31.6	33.1	1.69	-2,452.0	-1,674.6	370.2	303.9	66.26	5.587	
15,400.0	12,750.0	14,780.3	12,380.0	32.2	33.8	1.69	-2,552.0	-1,673.6	370.2	303.2	66.96	5.528	
15,500.0	12,750.0	14,880.3	12,380.0	32.8	34.5	1.70	-2,652.0	-1,672.6	370.2	302.5	67.67	5.470	
15,600.0	12,750.0	14,980.3	12,380.0	33.4	35.2	1.70	-2,752.0	-1,671.7	370.2	301.7	68.40	5.411	
15,700.0	12,750.0	15,080.3	12,380.0	34.1	35.9	1.70	-2,852.0	-1,670.7	370.2	301.0	69.15	5.353	
15,800.0	12,750.0	15,180.3	12,380.0	34.7	36.6	1.71	-2,952.0	-1,669.7	370.2	300.2	69.91	5.294	
15,900.0	12,750.0	15,280.3	12,380.0	35.3	37.4	1.71	-3,052.0	-1,668.7	370.2	299.5	70.69	5.236	
16,000.0	12,750.0	15,380.3	12,380.0	36.0	38.1	1.71	-3,152.0	-1,667.8	370.2	298.7	71.48	5.178	
16,100.0	12,750.0	15,480.3	12,380.0	36.6	38.9	1.72	-3,252.0	-1,666.8	370.2	297.9	72.29	5.121	
16,200.0	12,750.0	15,580.3	12,380.0	37.3	39.6	1.72	-3,352.0	-1,665.8	370.2	297.0	73.11	5.063	
16,300.0	12,750.0	15,680.3	12,380.0	38.0	40.4	1.72	-3,452.0	-1,664.8	370.2	296.2	73.94	5.006	
16,400.0	12,750.0	15,780.3	12,380.0	38.7	41.2	1.73	-3,552.0	-1,663.9	370.2	295.4	74.78	4.950	
16,500.0	12,750.0	15,880.3	12,380.0	39.4	42.0	1.73	-3,652.0	-1,662.9	370.2	294.5	75.63	4.894	
16,600.0	12,750.0	15,980.3	12,380.0	40.0	42.8	1.73	-3,752.0	-1,661.9	370.2	293.7	76.50	4.839	
16,700.0	12,750.0	16,080.3	12,380.0	40.7	43.6	1.74	-3,852.0	-1,661.0	370.2	292.8	77.38	4.784	
16,800.0	12,750.0	16,180.3	12,380.0	41.4	44.4	1.74	-3,952.0	-1,660.0	370.2	291.9	78.27	4.729	
16,900.0	12,750.0	16,280.3	12,380.0	42.2	45.3	1.74	-4,052.0	-1,659.0	370.2	291.0	79.16	4.676	
17,000.0	12,750.0	16,380.3	12,380.0	42.9	46.1	1.75	-4,152.0	-1,658.0	370.2	290.1	80.07	4.623	
17,100.0	12,750.0	16,480.3	12,380.0	43.6	46.9	1.75	-4,251.9	-1,657.1	370.2	289.2	80.99	4.570	
17,200.0	12,750.0	16,580.3	12,380.0	44.3	47.7	1.75	-4,351.9	-1,656.1	370.2	288.2	81.92	4.519	
17,300.0	12,750.0	16,680.3	12,380.0	45.0	48.6	1.76	-4,451.9	-1,655.1	370.2	287.3	82.85	4.468	
17,400.0	12,750.0	16,780.3	12,380.0	45.8	49.4	1.76	-4,551.9	-1,654.1	370.2	286.4	83.80	4.417	
17,500.0	12,750.0	16,880.3	12,380.0	46.5	50.3	1.76	-4,651.9	-1,653.2	370.2	285.4	84.75	4.368	
17,600.0	12,750.0	16,980.3	12,380.0	47.3	51.1	1.77	-4,751.9	-1,652.2	370.2	284.4	85.71	4.319	
17,700.0	12,750.0	17,080.3	12,380.0	48.0	52.0	1.77	-4,851.9	-1,651.2	370.2	283.5	86.68	4.270	
17,800.0	12,750.0	17,180.3	12,380.0	48.7	52.9	1.78	-4,951.9	-1,650.3	370.2	282.5	87.66	4.223	
17,900.0	12,750.0	17,280.3	12,380.0	49.5	53.7	1.78	-5,051.9	-1,649.3	370.2	281.5	88.64	4.176	
18,000.0	12,750.0	17,380.3	12,380.0	50.3	54.6	1.78	-5,151.9	-1,648.3	370.2	280.5	89.63	4.130	
18,100.0	12,750.0	17,480.3	12,380.0	51.0	55.5	1.79	-5,251.9	-1,647.3	370.2	279.5	90.63	4.084	
18,200.0	12,750.0	17,580.3	12,380.0	51.8	56.3	1.79	-5,351.9	-1,646.4	370.2	278.5	91.64	4.039	
18,300.0	12,750.0	17,680.3	12,380.0	52.5	57.2	1.79	-5,451.9	-1,645.4	370.2	277.5	92.65	3.995	
18,400.0	12,750.0	17,780.3	12,380.0	53.3	58.1	1.80	-5,551.9	-1,644.4	370.2	276.5	93.66	3.952	
18,500.0	12,750.0	17,880.3	12,380.0	54.1	59.0	1.80	-5,651.9	-1,643.4	370.2	275.5	94.69	3.909	
18,600.0	12,750.0	17,980.3	12,380.0	54.9	59.9	1.80	-5,751.9	-1,642.5	370.2	274.4	95.72	3.867	
18,700.0	12,750.0	18,080.3	12,380.0	55.6	60.7	1.81	-5,851.9	-1,641.5	370.2	273.4	96.75	3.826	
18,800.0	12,750.0	18,180.3	12,380.0	56.4	61.6	1.81	-5,951.9	-1,640.5	370.2	272.4	97.79	3.785	
18,900.0	12,750.0	18,280.3	12,380.0	57.2	62.5	1.81	-6,051.9	-1,639.6	370.2	271.3	98.84	3.745	
19,000.0	12,750.0	18,380.3	12,380.0	58.0	63.4	1.82	-6,151.9	-1,638.6	370.2	270.3	99.89	3.706	
19,100.0	12,750.0	18,480.3	12,380.0	58.7	64.3	1.82	-6,251.9	-1,637.6	370.2	269.2	100.94	3.667	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 602H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1

Offset Well Error: 0.0 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
19,200.0	12,750.0	18,580.3	12,380.0	59.5	65.2	1.82	-6,351.8	-1,636.6	370.2	268.2	102.00	3.629	
19,300.0	12,750.0	18,680.3	12,380.0	60.3	66.1	1.83	-6,451.8	-1,635.7	370.2	267.1	103.07	3.591	
19,400.0	12,750.0	18,780.3	12,380.0	61.1	67.0	1.83	-6,551.8	-1,634.7	370.2	266.0	104.14	3.555	
19,500.0	12,750.0	18,880.3	12,380.0	61.9	67.9	1.83	-6,651.8	-1,633.7	370.2	264.9	105.21	3.518	
19,600.0	12,750.0	18,980.3	12,380.0	62.7	68.8	1.84	-6,751.8	-1,632.8	370.2	263.9	106.29	3.483	
19,700.0	12,750.0	19,080.3	12,380.0	63.5	69.7	1.84	-6,851.8	-1,631.8	370.2	262.8	107.37	3.447	
19,800.0	12,750.0	19,180.3	12,380.0	64.3	70.6	1.84	-6,951.8	-1,630.8	370.2	261.7	108.46	3.413	
19,900.0	12,750.0	19,280.3	12,380.0	65.1	71.5	1.85	-7,051.8	-1,629.8	370.2	260.6	109.55	3.379	
20,000.0	12,750.0	19,380.3	12,380.0	65.9	72.5	1.85	-7,151.8	-1,628.9	370.2	259.5	110.64	3.346	
20,100.0	12,750.0	19,480.3	12,380.0	66.7	73.4	1.85	-7,251.8	-1,627.9	370.2	258.4	111.74	3.313	
20,200.0	12,750.0	19,580.3	12,380.0	67.5	74.3	1.86	-7,351.8	-1,626.9	370.2	257.3	112.84	3.280	
20,300.0	12,750.0	19,680.3	12,380.0	68.3	75.2	1.86	-7,451.8	-1,625.9	370.2	256.2	113.94	3.249	
20,400.0	12,750.0	19,780.3	12,380.0	69.1	76.1	1.87	-7,551.8	-1,625.0	370.2	255.1	115.05	3.217	
20,500.0	12,750.0	19,880.3	12,380.0	69.9	77.0	1.87	-7,651.8	-1,624.0	370.2	254.0	116.16	3.187	
20,600.0	12,750.0	19,980.3	12,380.0	70.7	77.9	1.87	-7,751.8	-1,623.0	370.2	252.9	117.28	3.156	
20,700.0	12,750.0	20,080.3	12,380.0	71.5	78.9	1.88	-7,851.8	-1,622.1	370.2	251.8	118.39	3.127	
20,800.0	12,750.0	20,180.3	12,380.0	72.3	79.8	1.88	-7,951.8	-1,621.1	370.2	250.7	119.51	3.097	
20,900.0	12,750.0	20,280.3	12,380.0	73.1	80.7	1.88	-8,051.8	-1,620.1	370.2	249.5	120.64	3.068	
20,910.6	12,750.0	20,290.9	12,380.0	73.2	80.8	1.88	-8,062.4	-1,620.0	370.2	249.4	120.76	3.065	
21,000.0	12,750.0	20,378.9	12,380.0	74.0	81.6	1.89	-8,150.3	-1,619.2	370.2	248.4	121.78	3.040	
21,100.0	12,750.0	20,378.9	12,380.0	74.8	81.6	1.89	-8,150.3	-1,619.2	383.8	262.5	121.36	3.163	
21,200.0	12,750.0	20,378.9	12,380.0	75.6	81.6	1.89	-8,150.3	-1,619.2	421.4	305.4	116.01	3.633	
21,300.0	12,750.0	20,378.9	12,380.0	76.4	81.6	1.89	-8,150.3	-1,619.2	477.4	368.6	108.76	4.390	
21,400.0	12,750.0	20,378.9	12,380.0	77.2	81.6	1.89	-8,150.3	-1,619.2	546.1	444.3	101.73	5.368	
21,500.0	12,750.0	20,378.9	12,380.0	78.0	81.6	1.89	-8,150.3	-1,619.2	623.3	527.5	95.77	6.508	
21,600.0	12,750.0	20,378.9	12,380.0	78.8	81.6	1.89	-8,150.3	-1,619.2	706.3	615.3	90.96	7.764	
21,700.0	12,750.0	20,378.9	12,380.0	79.7	81.6	1.89	-8,150.3	-1,619.2	793.1	706.0	87.17	9.099	
21,800.0	12,750.0	20,378.9	12,380.0	80.5	81.6	1.89	-8,150.3	-1,619.2	882.8	798.7	84.17	10.488	
21,900.0	12,750.0	20,378.9	12,380.0	81.3	81.6	1.89	-8,150.3	-1,619.2	974.5	892.7	81.81	11.913	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 603H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	89.61	0.4	59.7	59.7				
100.0	100.0	100.0	100.0	0.8	0.8	89.61	0.4	59.7	59.7	57.7	1.99	29.991	
200.0	200.0	200.0	200.0	1.4	1.4	89.61	0.4	59.7	59.7	56.4	3.31	18.034	
300.0	300.0	300.0	300.0	1.9	1.9	89.61	0.4	59.7	59.7	55.5	4.20	14.235	
400.0	400.0	400.0	400.0	2.2	2.2	89.61	0.4	59.7	59.7	54.8	4.91	12.158	
500.0	500.0	500.0	500.0	2.6	2.6	89.61	0.4	59.7	59.7	54.2	5.53	10.793	
600.0	600.0	600.0	600.0	2.8	2.8	89.61	0.4	59.7	59.7	53.6	6.09	9.806	
700.0	700.0	700.0	700.0	3.1	3.1	89.61	0.4	59.7	59.7	53.1	6.60	9.047	
800.0	800.0	800.0	800.0	3.3	3.3	89.61	0.4	59.7	59.7	52.6	7.08	8.439	
900.0	900.0	900.0	900.0	3.6	3.6	89.61	0.4	59.7	59.7	52.2	7.52	7.938	
1,000.0	1,000.0	1,000.0	1,000.0	3.8	3.8	89.61	0.4	59.7	59.7	51.8	7.95	7.514	
1,100.0	1,100.0	1,100.0	1,100.0	4.0	4.0	89.61	0.4	59.7	59.7	51.4	8.35	7.151	
1,200.0	1,200.0	1,200.0	1,200.0	4.2	4.2	89.61	0.4	59.7	59.7	51.0	8.74	6.833	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	89.61	0.4	59.7	59.7	50.6	9.11	6.553	
1,400.0	1,400.0	1,400.0	1,400.0	4.6	4.6	89.61	0.4	59.7	59.7	50.2	9.47	6.304	
1,500.0	1,500.0	1,500.0	1,500.0	4.7	4.7	89.61	0.4	59.7	59.7	49.9	9.82	6.080	
1,600.0	1,600.0	1,600.0	1,600.0	4.9	4.9	89.61	0.4	59.7	59.7	49.6	10.16	5.876	
1,700.0	1,700.0	1,700.0	1,700.0	5.1	5.1	89.61	0.4	59.7	59.7	49.2	10.49	5.691	
1,800.0	1,800.0	1,800.0	1,800.0	5.2	5.2	89.61	0.4	59.7	59.7	48.9	10.82	5.522	
1,900.0	1,900.0	1,900.0	1,900.0	5.4	5.4	89.61	0.4	59.7	59.7	48.6	11.13	5.365	
2,000.0	2,000.0	2,000.0	2,000.0	5.6	5.6	89.61	0.4	59.7	59.7	48.3	11.44	5.220	
2,100.0	2,100.0	2,102.1	2,102.1	5.8	5.8	176.36	0.5	57.9	59.7	47.8	11.89	5.019	
2,200.0	2,199.8	2,204.2	2,204.1	6.0	6.0	176.24	1.0	52.5	59.6	47.3	12.32	4.837	
2,300.0	2,299.5	2,306.4	2,305.8	6.2	6.3	176.06	1.7	43.4	59.4	46.7	12.75	4.661	
2,400.0	2,398.7	2,408.5	2,407.1	6.4	6.5	175.79	2.6	30.7	59.2	46.0	13.18	4.490	
2,480.5	2,478.2	2,490.4	2,488.0	6.6	6.7	175.52	3.6	18.0	59.0	45.5	13.48	4.372 CC	
2,500.0	2,497.5	2,510.0	2,507.3	6.6	6.8	175.46	3.8	14.7	59.0	45.5	13.56	4.351 ES, SF	
2,600.0	2,595.6	2,609.9	2,605.8	6.8	7.0	175.32	5.1	-1.9	61.4	47.4	14.03	4.380	
2,700.0	2,693.1	2,709.7	2,704.3	7.0	7.3	175.43	6.4	-18.6	67.3	52.8	14.49	4.646	
2,742.5	2,734.2	2,752.1	2,746.0	7.1	7.4	175.54	6.9	-25.7	70.9	56.2	14.65	4.840	
2,800.0	2,789.8	2,809.3	2,802.5	7.1	7.5	175.70	7.7	-35.2	76.1	61.3	14.86	5.123	
2,900.0	2,886.5	2,908.9	2,900.6	7.3	7.8	175.93	8.9	-51.8	85.2	69.9	15.30	5.570	
3,000.0	2,983.1	3,008.5	2,998.8	7.4	8.1	176.12	10.2	-68.4	94.3	78.6	15.76	5.985	
3,100.0	3,079.8	3,108.1	3,097.0	7.6	8.4	176.28	11.5	-85.0	103.5	87.2	16.24	6.369	
3,200.0	3,176.4	3,207.7	3,195.2	7.7	8.8	176.41	12.8	-101.6	112.6	95.8	16.74	6.724	
3,300.0	3,273.1	3,307.3	3,293.4	7.9	9.1	176.52	14.0	-118.2	121.7	104.4	17.26	7.052	
3,400.0	3,369.8	3,406.9	3,391.6	8.0	9.5	176.61	15.3	-134.8	130.8	113.0	17.78	7.355	
3,500.0	3,466.4	3,506.4	3,489.7	8.2	9.8	176.69	16.6	-151.4	139.9	121.6	18.32	7.636	
3,600.0	3,563.1	3,604.8	3,586.8	8.4	10.1	176.77	17.8	-167.7	149.2	130.4	18.83	7.922	
3,700.0	3,659.7	3,701.7	3,682.5	8.5	10.5	176.87	18.9	-182.2	159.9	140.6	19.39	8.250	
3,800.0	3,756.4	3,798.1	3,778.1	8.7	10.8	177.00	19.9	-195.2	172.3	152.4	19.94	8.645	
3,900.0	3,853.1	3,894.1	3,873.4	8.9	11.2	177.15	20.8	-206.4	186.4	165.9	20.47	9.106	
4,000.0	3,949.7	3,989.6	3,968.4	9.1	11.5	177.31	21.5	-216.1	202.1	181.1	21.00	9.627	
4,100.0	4,046.4	4,084.6	4,063.1	9.2	11.8	177.47	22.1	-224.1	219.5	198.0	21.51	10.206	
4,200.0	4,143.0	4,179.0	4,157.3	9.4	12.2	177.64	22.6	-230.5	238.5	216.5	22.00	10.841	
4,300.0	4,239.7	4,272.8	4,250.9	9.6	12.5	177.79	23.0	-235.3	259.1	236.6	22.47	11.532	
4,400.0	4,336.4	4,365.9	4,344.0	9.8	12.7	177.95	23.2	-238.6	281.3	258.4	22.91	12.280	
4,500.0	4,433.0	4,458.4	4,436.4	10.0	13.0	178.09	23.4	-240.3	305.0	281.7	23.30	13.093	
4,600.0	4,529.7	4,551.6	4,529.7	10.2	13.1	178.23	23.4	-240.7	330.3	306.7	23.59	14.003	
4,700.0	4,626.3	4,648.3	4,626.3	10.4	13.2	178.36	23.4	-240.7	355.9	332.1	23.82	14.942	
4,800.0	4,723.0	4,745.0	4,723.0	10.6	13.2	178.47	23.4	-240.7	381.5	357.5	24.06	15.858	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 603H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1

Offset Well Error: 0.0 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
4,900.0	4,819.6	4,841.6	4,819.6	10.8	13.3	178.57	23.4	-240.7	407.1	382.8	24.30	16.754	
5,000.0	4,916.3	4,938.3	4,916.3	11.0	13.3	178.65	23.4	-240.7	432.8	408.2	24.55	17.631	
5,100.0	5,013.0	5,034.9	5,013.0	11.2	13.4	178.73	23.4	-240.7	458.4	433.6	24.79	18.488	
5,200.0	5,109.6	5,131.6	5,109.6	11.4	13.5	178.79	23.4	-240.7	484.0	459.0	25.04	19.328	
5,300.0	5,206.3	5,228.3	5,206.3	11.6	13.5	178.85	23.4	-240.7	509.6	484.3	25.29	20.148	
5,400.0	5,302.9	5,324.9	5,302.9	11.8	13.6	178.91	23.4	-240.7	535.3	509.7	25.55	20.951	
5,500.0	5,399.6	5,421.6	5,399.6	12.0	13.7	178.96	23.4	-240.7	560.9	535.1	25.80	21.737	
5,600.0	5,496.3	5,518.2	5,496.3	12.2	13.7	179.00	23.4	-240.7	586.5	560.5	26.06	22.505	
5,700.0	5,592.9	5,614.9	5,592.9	12.4	13.8	179.05	23.4	-240.7	612.1	585.8	26.32	23.256	
5,800.0	5,689.6	5,711.6	5,689.6	12.6	13.9	179.08	23.4	-240.7	637.8	611.2	26.58	23.991	
5,900.0	5,786.2	5,808.2	5,786.2	12.8	13.9	179.12	23.4	-240.7	663.4	636.5	26.85	24.710	
6,000.0	5,882.9	5,904.9	5,882.9	13.1	14.0	179.15	23.4	-240.7	689.0	661.9	27.11	25.413	
6,100.0	5,979.6	6,001.5	5,979.6	13.3	14.1	179.18	23.4	-240.7	714.6	687.3	27.38	26.101	
6,200.0	6,076.2	6,098.2	6,076.2	13.5	14.1	179.21	23.4	-240.7	740.3	712.6	27.65	26.774	
6,300.0	6,172.9	6,194.9	6,172.9	13.7	14.2	179.24	23.4	-240.7	765.9	738.0	27.92	27.432	
6,400.0	6,269.5	6,291.5	6,269.5	13.9	14.3	179.26	23.4	-240.7	791.5	763.3	28.19	28.076	
6,500.0	6,366.2	6,388.2	6,366.2	14.1	14.3	179.29	23.4	-240.7	817.2	788.7	28.47	28.706	
6,600.0	6,462.9	6,484.8	6,462.9	14.4	14.4	179.31	23.4	-240.7	842.8	814.0	28.74	29.322	
6,700.0	6,559.5	6,581.5	6,559.5	14.6	14.5	179.33	23.4	-240.7	868.4	839.4	29.02	29.925	
6,800.0	6,656.2	6,678.1	6,656.2	14.8	14.5	179.35	23.4	-240.7	894.0	864.7	29.30	30.514	
6,900.0	6,752.8	6,774.8	6,752.8	15.0	14.6	179.37	23.4	-240.7	919.7	890.1	29.58	31.092	
7,000.0	6,849.5	6,871.5	6,849.5	15.2	14.7	179.38	23.4	-240.7	945.3	915.4	29.86	31.656	
7,100.0	6,946.2	6,968.1	6,946.2	15.5	14.8	179.40	23.4	-240.7	970.9	940.8	30.14	32.209	
7,200.0	7,042.8	7,064.8	7,042.8	15.7	14.8	179.41	23.4	-240.7	996.6	966.1	30.43	32.750	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 701H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Rule Assigned: Distance Between Ellipses (usft)	Rule Assigned: No-Go Distance (usft)	Separation Factor	Warning
8,000.0	7,816.1	7,820.0	7,816.1	17.5	12.3	-7.72	8.6	-2,416.5	978.3	948.4	29.98	32.636	
8,100.0	7,912.8	7,916.7	7,912.8	17.7	12.4	-7.93	8.6	-2,416.5	952.9	922.6	30.30	31.453	
8,200.0	8,009.4	8,013.3	8,009.4	17.9	12.5	-8.14	8.6	-2,416.5	927.5	896.9	30.62	30.295	
8,222.9	8,031.5	8,035.4	8,031.5	18.0	12.5	-8.20	8.6	-2,416.5	921.7	891.1	30.68	30.041	
8,300.0	8,106.2	8,110.1	8,106.2	18.1	12.6	-8.34	8.6	-2,416.5	902.7	871.7	30.92	29.193	
8,400.0	8,203.4	8,207.3	8,203.4	18.4	12.7	-8.53	8.6	-2,416.5	879.4	848.2	31.24	28.154	
8,500.0	8,301.0	8,304.9	8,301.0	18.6	12.8	-8.71	8.6	-2,416.5	857.9	826.3	31.55	27.193	
8,600.0	8,399.0	8,402.9	8,399.0	18.8	12.8	-8.89	8.6	-2,416.5	838.0	806.2	31.85	26.308	
8,700.0	8,497.3	8,501.2	8,497.3	19.0	12.9	-9.05	8.6	-2,416.5	819.9	787.7	32.16	25.496	
8,800.0	8,595.9	8,599.8	8,595.9	19.2	13.0	-9.21	8.6	-2,416.5	803.5	771.0	32.46	24.755	
8,900.0	8,694.8	8,698.7	8,694.8	19.4	13.1	-9.36	8.6	-2,416.5	788.7	756.0	32.75	24.084	
9,000.0	8,793.9	8,797.8	8,793.9	19.6	13.2	-9.50	8.6	-2,416.5	775.7	742.7	33.04	23.481	
9,100.0	8,893.2	8,897.1	8,893.2	19.8	13.3	-9.62	8.6	-2,416.5	764.4	731.1	33.32	22.944	
9,200.0	8,992.8	8,996.7	8,992.8	19.9	13.4	-9.73	8.6	-2,416.5	754.8	721.2	33.59	22.473	
9,300.0	9,092.4	9,096.3	9,092.4	20.1	13.5	-9.82	8.6	-2,416.5	747.0	713.1	33.85	22.065	
9,400.0	9,192.2	9,196.1	9,192.2	20.3	13.6	-9.89	8.6	-2,416.5	740.8	706.7	34.11	21.719	
9,500.0	9,292.1	9,296.0	9,292.1	20.4	13.7	-9.94	8.6	-2,416.5	736.4	702.0	34.35	21.436	
9,600.0	9,392.1	9,396.0	9,392.1	20.5	13.7	-9.98	8.6	-2,416.5	733.7	699.1	34.58	21.215	
9,700.0	9,492.1	9,496.0	9,492.1	20.6	13.8	-9.99	8.6	-2,416.5	732.7	697.9	34.76	21.079	
9,707.9	9,500.0	9,503.9	9,500.0	20.6	13.8	-96.77	8.6	-2,416.5	732.7	697.9	34.77	21.070	
9,800.0	9,592.1	9,596.0	9,592.1	20.7	13.9	-96.77	8.6	-2,416.5	732.7	697.8	34.88	21.005	
9,900.0	9,692.1	9,696.0	9,692.1	20.7	14.0	-96.77	8.6	-2,416.5	732.7	697.7	35.00	20.931	
10,000.0	9,792.1	9,796.0	9,792.1	20.8	14.1	-96.77	8.6	-2,416.5	732.7	697.5	35.13	20.858	
10,100.0	9,892.1	9,896.0	9,892.1	20.8	14.2	-96.77	8.6	-2,416.5	732.7	697.4	35.25	20.785	
10,200.0	9,992.1	9,996.0	9,992.1	20.8	14.3	-96.77	8.6	-2,416.5	732.7	697.3	35.37	20.712	
10,300.0	10,092.1	10,096.0	10,092.1	20.9	14.4	-96.77	8.6	-2,416.5	732.7	697.2	35.50	20.640	
10,400.0	10,192.1	10,196.0	10,192.1	20.9	14.5	-96.77	8.6	-2,416.5	732.7	697.0	35.62	20.568	
10,500.0	10,292.1	10,296.0	10,292.1	21.0	14.6	-96.77	8.6	-2,416.5	732.7	696.9	35.75	20.497	
10,600.0	10,392.1	10,396.0	10,392.1	21.0	14.6	-96.77	8.6	-2,416.5	732.7	696.8	35.87	20.425	
10,700.0	10,492.1	10,496.0	10,492.1	21.1	14.7	-96.77	8.6	-2,416.5	732.7	696.7	36.00	20.354	
10,800.0	10,592.1	10,596.0	10,592.1	21.1	14.8	-96.77	8.6	-2,416.5	732.7	696.5	36.12	20.284	
10,900.0	10,692.1	10,696.0	10,692.1	21.2	14.9	-96.77	8.6	-2,416.5	732.7	696.4	36.25	20.213	
11,000.0	10,792.1	10,796.0	10,792.1	21.2	15.0	-96.77	8.6	-2,416.5	732.7	696.3	36.37	20.143	
11,100.0	10,892.1	10,896.0	10,892.1	21.3	15.1	-96.77	8.6	-2,416.5	732.7	696.2	36.50	20.074	
11,200.0	10,992.1	10,996.0	10,992.1	21.3	15.2	-96.77	8.6	-2,416.5	732.7	696.0	36.62	20.005	
11,300.0	11,092.1	11,096.0	11,092.1	21.4	15.3	-96.77	8.6	-2,416.5	732.7	695.9	36.75	19.936	
11,400.0	11,192.1	11,196.0	11,192.1	21.4	15.4	-96.77	8.6	-2,416.5	732.7	695.8	36.88	19.867	
11,500.0	11,292.1	11,296.0	11,292.1	21.5	15.4	-96.77	8.6	-2,416.5	732.7	695.7	37.01	19.799	
11,600.0	11,392.1	11,396.0	11,392.1	21.5	15.5	-96.77	8.6	-2,416.5	732.7	695.5	37.13	19.731	
11,700.0	11,492.1	11,496.0	11,492.1	21.6	15.6	-96.77	8.6	-2,416.5	732.7	695.4	37.26	19.663	
11,800.0	11,592.1	11,596.0	11,592.1	21.6	15.7	-96.77	8.6	-2,416.5	732.7	695.3	37.39	19.596	
11,900.0	11,692.1	11,696.0	11,692.1	21.7	15.8	-96.77	8.6	-2,416.5	732.7	695.1	37.52	19.529	
12,000.0	11,792.1	11,796.0	11,792.1	21.7	15.9	-96.77	8.6	-2,416.5	732.7	695.0	37.65	19.462	
12,100.0	11,892.1	11,896.0	11,892.1	21.7	16.0	-96.77	8.6	-2,416.5	732.7	694.9	37.77	19.396	
12,200.0	11,992.1	11,996.0	11,992.1	21.8	16.1	-96.77	8.6	-2,416.5	732.7	694.8	37.90	19.330	
12,208.6	12,000.7	12,004.6	12,000.7	21.8	16.1	-96.77	8.6	-2,416.5	732.7	694.7	37.91	19.324	
12,300.0	12,092.1	12,093.2	12,089.3	21.8	16.1	-96.79	8.3	-2,416.5	732.7	694.7	38.01	19.277	
12,400.0	12,192.1	12,177.4	12,172.8	21.9	16.1	-97.60	-2.0	-2,416.4	734.1	696.1	38.03	19.306	
12,480.4	12,272.5	12,241.1	12,233.9	21.9	16.1	-98.95	-19.5	-2,416.3	737.2	699.2	38.04	19.383	
12,500.0	12,292.1	12,255.9	12,247.8	21.9	16.1	81.12	-24.7	-2,416.2	738.3	700.2	38.04	19.410	
12,525.0	12,317.0	12,275.0	12,265.4	21.9	16.0	80.49	-32.1	-2,416.2	739.6	701.6	38.04	19.445	

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Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 701H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Rule Assigned: Distance Between Ellipses (usft)	Rule Assigned: No-Go Distance (usft)	Separation Factor	Warning
12,550.0	12,341.8	12,293.3	12,282.0	21.9	16.0	79.89	-39.8	-2,416.1	741.0	703.0	38.05	19.476	
12,575.0	12,366.5	12,311.7	12,298.4	21.9	16.0	79.31	-48.2	-2,416.0	742.4	704.4	38.06	19.505	
12,600.0	12,390.8	12,330.0	12,314.4	21.9	16.0	78.75	-57.2	-2,415.9	743.8	705.8	38.09	19.531	
12,625.0	12,414.9	12,350.0	12,331.4	21.9	16.0	78.18	-67.6	-2,415.8	745.2	707.1	38.10	19.558	
12,650.0	12,438.5	12,366.3	12,344.9	21.9	16.0	77.70	-76.7	-2,415.7	746.6	708.5	38.15	19.571	
12,675.0	12,461.7	12,384.3	12,359.5	21.9	16.0	77.21	-87.2	-2,415.6	748.0	709.8	38.19	19.585	
12,700.0	12,484.4	12,400.0	12,371.9	21.9	16.0	76.79	-96.9	-2,415.5	749.3	711.0	38.26	19.587	
12,725.0	12,506.5	12,419.9	12,387.1	21.9	16.0	76.33	-109.7	-2,415.4	750.6	712.3	38.30	19.599	
12,750.0	12,528.0	12,437.6	12,400.2	21.9	16.0	75.92	-121.6	-2,415.3	751.8	713.4	38.36	19.598	
12,775.0	12,548.7	12,455.2	12,412.8	21.9	16.0	75.55	-133.9	-2,415.2	752.9	714.5	38.43	19.593	
12,800.0	12,568.8	12,475.0	12,426.4	21.9	16.0	75.18	-148.3	-2,415.0	754.0	715.5	38.48	19.593	
12,825.0	12,587.9	12,490.3	12,436.5	21.9	16.0	74.90	-159.8	-2,414.9	755.0	716.4	38.58	19.569	
12,850.0	12,606.3	12,507.7	12,447.5	21.9	16.0	74.62	-173.3	-2,414.8	755.9	717.2	38.67	19.550	
12,875.0	12,623.7	12,525.0	12,458.0	21.9	16.1	74.37	-187.0	-2,414.6	756.7	718.0	38.75	19.526	
12,900.0	12,640.1	12,542.5	12,468.0	21.9	16.1	74.15	-201.3	-2,414.5	757.5	718.6	38.85	19.499	
12,925.0	12,655.6	12,559.8	12,477.4	21.9	16.1	73.97	-215.8	-2,414.4	758.1	719.1	38.94	19.468	
12,950.0	12,670.0	12,575.0	12,485.3	21.9	16.1	73.83	-228.9	-2,414.2	758.6	719.5	39.05	19.425	
12,975.0	12,683.3	12,594.3	12,494.7	22.0	16.1	73.70	-245.8	-2,414.1	759.0	719.9	39.13	19.395	
13,000.0	12,695.4	12,611.6	12,502.5	22.0	16.1	73.62	-261.2	-2,413.9	759.3	720.0	39.23	19.355	
13,025.0	12,706.5	12,625.0	12,508.1	22.0	16.1	73.57	-273.3	-2,413.8	759.5	720.1	39.36	19.297	
13,050.0	12,716.3	12,646.1	12,516.3	22.1	16.1	73.55	-292.7	-2,413.6	759.5	720.1	39.42	19.267	
13,075.0	12,724.9	12,663.3	12,522.4	22.1	16.1	73.57	-308.9	-2,413.4	759.5	719.9	39.51	19.220	
13,100.0	12,732.3	12,680.5	12,527.9	22.2	16.1	73.62	-325.2	-2,413.3	759.3	719.7	39.61	19.172	
13,125.0	12,738.4	12,700.0	12,533.3	22.2	16.1	73.71	-343.9	-2,413.1	759.0	719.3	39.68	19.130	
13,150.0	12,743.2	12,715.1	12,537.0	22.3	16.1	73.81	-358.5	-2,413.0	758.6	718.8	39.78	19.072	
13,175.0	12,746.8	12,732.4	12,540.7	22.3	16.2	73.96	-375.4	-2,412.8	758.1	718.3	39.85	19.022	
13,200.0	12,749.0	12,750.0	12,543.9	22.4	16.2	74.15	-392.7	-2,412.6	757.5	717.6	39.93	18.973	
13,225.0	12,749.9	12,767.0	12,546.3	22.4	16.2	74.36	-409.6	-2,412.5	756.8	716.8	40.00	18.922	
13,230.4	12,750.0	12,770.8	12,546.7	22.5	16.2	74.41	-413.3	-2,412.4	756.6	716.6	40.01	18.911	
13,300.0	12,750.0	12,819.6	12,549.9	22.7	16.2	74.64	-462.0	-2,411.9	755.4	715.2	40.25	18.770	
13,309.5	12,750.0	12,826.4	12,550.0	22.7	16.2	74.65	-468.8	-2,411.9	755.4	715.1	40.29	18.749	
13,400.0	12,750.0	12,916.8	12,550.0	22.9	16.3	74.65	-559.3	-2,411.0	755.4	714.8	40.64	18.587	
13,500.0	12,750.0	13,050.8	12,550.0	23.3	16.7	74.58	-693.2	-2,406.5	753.2	712.2	41.00	18.368	
13,600.0	12,750.0	13,184.3	12,550.0	23.6	17.1	74.39	-826.1	-2,395.9	746.4	705.0	41.42	18.020	
13,700.0	12,750.0	13,309.6	12,550.0	23.9	17.5	74.09	-950.5	-2,380.3	735.3	693.4	41.91	17.546	
13,800.0	12,750.0	13,408.7	12,550.0	24.3	17.9	73.81	-1,048.7	-2,366.5	722.9	680.3	42.57	16.981	
13,900.0	12,750.0	13,500.0	12,550.0	24.7	18.2	73.56	-1,139.1	-2,354.5	711.2	667.8	43.34	16.411	
14,000.0	12,750.0	13,575.0	12,550.0	25.1	18.6	73.39	-1,213.8	-2,346.6	701.9	657.7	44.29	15.850	
14,100.0	12,750.0	13,655.9	12,550.0	25.5	19.0	73.26	-1,294.4	-2,340.3	695.4	650.2	45.25	15.370	
14,200.0	12,750.0	13,737.0	12,550.0	25.9	19.4	73.19	-1,375.4	-2,336.3	691.7	645.4	46.25	14.956	
14,289.1	12,750.0	13,809.4	12,550.0	26.3	19.7	73.16	-1,447.8	-2,334.7	690.6	643.4	47.16	14.643 CC	
14,300.0	12,750.0	13,820.1	12,550.0	26.4	19.8	73.16	-1,458.4	-2,334.5	690.6	643.3	47.26	14.613	
14,400.0	12,750.0	13,920.1	12,550.0	26.8	20.3	73.17	-1,558.4	-2,333.6	690.6	642.4	48.17	14.337	
14,500.0	12,750.0	14,020.1	12,550.0	27.3	20.9	73.17	-1,658.4	-2,332.6	690.6	641.5	49.12	14.060	
14,600.0	12,750.0	14,120.1	12,550.0	27.8	21.4	73.17	-1,758.4	-2,331.6	690.6	640.5	50.11	13.783	
14,700.0	12,750.0	14,220.1	12,550.0	28.3	22.0	73.17	-1,858.4	-2,330.6	690.6	639.5	51.13	13.508	
14,800.0	12,750.0	14,320.1	12,550.0	28.8	22.6	73.17	-1,958.4	-2,329.7	690.7	638.5	52.18	13.236	
14,900.0	12,750.0	14,420.1	12,550.0	29.4	23.2	73.17	-2,058.4	-2,328.7	690.7	637.4	53.26	12.967	
15,000.0	12,750.0	14,520.1	12,550.0	29.9	23.8	73.17	-2,158.4	-2,327.7	690.7	636.3	54.37	12.702	
15,100.0	12,750.0	14,620.1	12,550.0	30.5	24.5	73.17	-2,258.4	-2,326.7	690.7	635.2	55.51	12.442	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 701H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Rule Assigned: No-Go Distance (usft)	Separation Factor	Warning
15,200.0	12,750.0	14,720.1	12,550.0	31.0	25.1	73.17	-2,358.4	-2,325.8	690.7	634.0	56.67	12.187	
15,300.0	12,750.0	14,820.1	12,550.0	31.6	25.8	73.17	-2,458.4	-2,324.8	690.7	632.9	57.86	11.938	
15,400.0	12,750.0	14,920.1	12,550.0	32.2	26.5	73.17	-2,558.4	-2,323.8	690.8	631.7	59.07	11.694	
15,500.0	12,750.0	15,020.1	12,550.0	32.8	27.2	73.17	-2,658.4	-2,322.8	690.8	630.5	60.30	11.456	
15,600.0	12,750.0	15,120.1	12,550.0	33.4	27.9	73.17	-2,758.4	-2,321.8	690.8	629.2	61.55	11.224	
15,700.0	12,750.0	15,220.1	12,550.0	34.1	28.6	73.17	-2,858.4	-2,320.9	690.8	628.0	62.81	10.998	
15,800.0	12,750.0	15,320.1	12,550.0	34.7	29.3	73.17	-2,958.4	-2,319.9	690.8	626.7	64.10	10.778	
15,900.0	12,750.0	15,420.1	12,550.0	35.3	30.0	73.17	-3,058.4	-2,318.9	690.8	625.4	65.40	10.564	
16,000.0	12,750.0	15,520.1	12,550.0	36.0	30.7	73.17	-3,158.4	-2,317.9	690.9	624.1	66.71	10.356	
16,100.0	12,750.0	15,620.1	12,550.0	36.6	31.5	73.17	-3,258.3	-2,317.0	690.9	622.8	68.04	10.154	
16,200.0	12,750.0	15,720.1	12,550.0	37.3	32.2	73.17	-3,358.3	-2,316.0	690.9	621.5	69.38	9.958	
16,300.0	12,750.0	15,820.1	12,550.0	38.0	33.0	73.17	-3,458.3	-2,315.0	690.9	620.2	70.74	9.767	
16,400.0	12,750.0	15,920.1	12,550.0	38.7	33.7	73.17	-3,558.3	-2,314.0	690.9	618.8	72.11	9.582	
16,500.0	12,750.0	16,020.1	12,550.0	39.4	34.5	73.18	-3,658.3	-2,313.1	690.9	617.5	73.48	9.403	
16,600.0	12,750.0	16,120.1	12,550.0	40.0	35.2	73.18	-3,758.3	-2,312.1	691.0	616.1	74.87	9.228	
16,700.0	12,750.0	16,220.1	12,550.0	40.7	36.0	73.18	-3,858.3	-2,311.1	691.0	614.7	76.27	9.059	
16,800.0	12,750.0	16,320.1	12,550.0	41.4	36.8	73.18	-3,958.3	-2,310.1	691.0	613.3	77.68	8.895	
16,900.0	12,750.0	16,420.1	12,550.0	42.2	37.6	73.18	-4,058.3	-2,309.2	691.0	611.9	79.10	8.736	
17,000.0	12,750.0	16,520.1	12,550.0	42.9	38.3	73.18	-4,158.3	-2,308.2	691.0	610.5	80.53	8.581	
17,100.0	12,750.0	16,620.1	12,550.0	43.6	39.1	73.18	-4,258.3	-2,307.2	691.0	609.1	81.96	8.431	
17,200.0	12,750.0	16,720.1	12,550.0	44.3	39.9	73.18	-4,358.3	-2,306.2	691.1	607.7	83.40	8.286	
17,300.0	12,750.0	16,820.1	12,550.0	45.0	40.7	73.18	-4,458.3	-2,305.2	691.1	606.2	84.85	8.144	
17,400.0	12,750.0	16,920.1	12,550.0	45.8	41.5	73.18	-4,558.3	-2,304.3	691.1	604.8	86.31	8.007	
17,500.0	12,750.0	17,020.1	12,550.0	46.5	42.3	73.18	-4,658.3	-2,303.3	691.1	603.3	87.77	7.874	
17,600.0	12,750.0	17,120.1	12,550.0	47.3	43.1	73.18	-4,758.3	-2,302.3	691.1	601.9	89.24	7.744	
17,700.0	12,750.0	17,220.1	12,550.0	48.0	43.9	73.18	-4,858.3	-2,301.3	691.1	600.4	90.72	7.619	
17,800.0	12,750.0	17,320.1	12,550.0	48.7	44.7	73.18	-4,958.3	-2,300.4	691.2	599.0	92.20	7.496	
17,900.0	12,750.0	17,420.1	12,550.0	49.5	45.5	73.18	-5,058.3	-2,299.4	691.2	597.5	93.69	7.378	
18,000.0	12,750.0	17,520.1	12,550.0	50.3	46.3	73.18	-5,158.3	-2,298.4	691.2	596.0	95.18	7.262	
18,100.0	12,750.0	17,620.1	12,550.0	51.0	47.1	73.18	-5,258.3	-2,297.4	691.2	594.5	96.67	7.150	
18,200.0	12,750.0	17,720.1	12,550.0	51.8	47.9	73.18	-5,358.2	-2,296.5	691.2	593.1	98.17	7.041	
18,300.0	12,750.0	17,820.1	12,550.0	52.5	48.7	73.18	-5,458.2	-2,295.5	691.3	591.6	99.68	6.935	
18,400.0	12,750.0	17,920.1	12,550.0	53.3	49.5	73.18	-5,558.2	-2,294.5	691.3	590.1	101.19	6.831	
18,500.0	12,750.0	18,020.1	12,550.0	54.1	50.3	73.18	-5,658.2	-2,293.5	691.3	588.6	102.70	6.731	
18,600.0	12,750.0	18,120.1	12,550.0	54.9	51.1	73.19	-5,758.2	-2,292.5	691.3	587.1	104.22	6.633	
18,700.0	12,750.0	18,220.1	12,550.0	55.6	52.0	73.19	-5,858.2	-2,291.6	691.3	585.6	105.74	6.538	
18,800.0	12,750.0	18,320.1	12,550.0	56.4	52.8	73.19	-5,958.2	-2,290.6	691.3	584.1	107.27	6.445	
18,900.0	12,750.0	18,420.1	12,550.0	57.2	53.6	73.19	-6,058.2	-2,289.6	691.4	582.6	108.80	6.355	
19,000.0	12,750.0	18,520.1	12,550.0	58.0	54.4	73.19	-6,158.2	-2,288.6	691.4	581.0	110.33	6.266	
19,100.0	12,750.0	18,620.1	12,550.0	58.7	55.2	73.19	-6,258.2	-2,287.7	691.4	579.5	111.86	6.181	
19,200.0	12,750.0	18,720.1	12,550.0	59.5	56.1	73.19	-6,358.2	-2,286.7	691.4	578.0	113.40	6.097	
19,300.0	12,750.0	18,820.1	12,550.0	60.3	56.9	73.19	-6,458.2	-2,285.7	691.4	576.5	114.94	6.015	
19,400.0	12,750.0	18,920.1	12,550.0	61.1	57.7	73.19	-6,558.2	-2,284.7	691.4	575.0	116.49	5.936	
19,500.0	12,750.0	19,020.1	12,550.0	61.9	58.5	73.19	-6,658.2	-2,283.8	691.5	573.4	118.03	5.858	
19,600.0	12,750.0	19,120.1	12,550.0	62.7	59.4	73.19	-6,758.2	-2,282.8	691.5	571.9	119.58	5.782	
19,700.0	12,750.0	19,220.1	12,550.0	63.5	60.2	73.19	-6,858.2	-2,281.8	691.5	570.4	121.13	5.709	
19,800.0	12,750.0	19,320.1	12,550.0	64.3	61.0	73.19	-6,958.2	-2,280.8	691.5	568.8	122.69	5.636	
19,900.0	12,750.0	19,420.1	12,550.0	65.1	61.8	73.19	-7,058.2	-2,279.8	691.5	567.3	124.24	5.566	
20,000.0	12,750.0	19,520.1	12,550.0	65.9	62.7	73.19	-7,158.2	-2,278.9	691.5	565.7	125.80	5.497	
20,100.0	12,750.0	19,620.1	12,550.0	66.7	63.5	73.19	-7,258.2	-2,277.9	691.6	564.2	127.36	5.430	
20,200.0	12,750.0	19,720.1	12,550.0	67.5	64.3	73.19	-7,358.2	-2,276.9	691.6	562.7	128.92	5.364	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 701H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR

Offset Well Error: 0.0 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
20,300.0	12,750.0	19,820.1	12,550.0	68.3	65.2	73.19	-7,458.1	-2,275.9	691.6	561.1	130.49	5.300	
20,400.0	12,750.0	19,920.1	12,550.0	69.1	66.0	73.19	-7,558.1	-2,275.0	691.6	559.6	132.05	5.237	
20,500.0	12,750.0	20,020.1	12,550.0	69.9	66.8	73.19	-7,658.1	-2,274.0	691.6	558.0	133.62	5.176	
20,600.0	12,750.0	20,120.1	12,550.0	70.7	67.7	73.19	-7,758.1	-2,273.0	691.6	556.5	135.19	5.116	
20,700.0	12,750.0	20,220.1	12,550.0	71.5	68.5	73.20	-7,858.1	-2,272.0	691.7	554.9	136.76	5.057	
20,800.0	12,750.0	20,320.1	12,550.0	72.3	69.3	73.20	-7,958.1	-2,271.1	691.7	553.3	138.34	5.000	
20,900.0	12,750.0	20,420.1	12,550.0	73.1	70.2	73.20	-8,058.1	-2,270.1	691.7	551.8	139.91	4.944	
20,908.1	12,750.0	20,428.1	12,550.0	73.2	70.2	73.20	-8,066.2	-2,270.0	691.7	551.7	140.04	4.939	
21,000.0	12,750.0	20,516.6	12,550.0	74.0	71.0	73.20	-8,154.6	-2,269.1	691.7	550.2	141.53	4.888 ES, SF	
21,100.0	12,750.0	20,516.6	12,550.0	74.8	71.0	73.20	-8,154.6	-2,269.1	699.4	556.5	142.95	4.893	
21,200.0	12,750.0	20,516.6	12,550.0	75.6	71.0	73.20	-8,154.6	-2,269.1	721.1	579.1	141.93	5.080	
21,300.0	12,750.0	20,516.6	12,550.0	76.4	71.0	73.20	-8,154.6	-2,269.1	755.4	616.5	138.94	5.437	
21,400.0	12,750.0	20,516.6	12,550.0	77.2	71.0	73.20	-8,154.6	-2,269.1	800.9	666.2	134.62	5.949	
21,500.0	12,750.0	20,516.6	12,550.0	78.0	71.0	73.20	-8,154.6	-2,269.1	855.6	726.0	129.61	6.602	
21,600.0	12,750.0	20,516.6	12,550.0	78.8	71.0	73.20	-8,154.6	-2,269.1	918.1	793.7	124.38	7.381	
21,700.0	12,750.0	20,516.6	12,550.0	79.7	71.0	73.20	-8,154.6	-2,269.1	986.7	867.4	119.28	8.272	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 702H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Rule Assigned: No-Go Distance (usft)	Separation Factor	Warning
5,000.0	4,916.3	5,181.5	5,121.1	11.0	11.4	-5.87	1.8	-1,639.0	987.9	965.7	22.22	44.469	
5,100.0	5,013.0	5,270.8	5,208.4	11.2	11.6	-6.05	2.3	-1,620.5	942.9	920.4	22.57	41.781	
5,200.0	5,109.6	5,360.1	5,295.7	11.4	11.7	-6.24	2.7	-1,602.0	898.0	875.0	22.92	39.172	
5,300.0	5,206.3	5,449.3	5,383.1	11.6	11.9	-6.46	3.2	-1,583.5	853.0	829.7	23.28	36.639	
5,400.0	5,302.9	5,538.6	5,470.4	11.8	12.1	-6.70	3.7	-1,565.0	808.0	784.4	23.64	34.180	
5,500.0	5,399.6	5,627.9	5,557.7	12.0	12.2	-6.96	4.2	-1,546.5	763.1	739.1	24.00	31.792	
5,600.0	5,496.3	5,717.1	5,645.0	12.2	12.4	-7.26	4.7	-1,528.0	718.1	693.7	24.36	29.474	
5,700.0	5,592.9	5,806.4	5,732.4	12.4	12.6	-7.60	5.2	-1,509.5	673.2	648.5	24.73	27.222	
5,800.0	5,689.6	5,895.7	5,819.7	12.6	12.8	-7.99	5.7	-1,491.0	628.3	603.2	25.10	25.035	
5,900.0	5,786.2	5,984.9	5,907.0	12.8	12.9	-8.44	6.2	-1,472.5	583.4	557.9	25.47	22.910	
6,000.0	5,882.9	6,074.2	5,994.4	13.1	13.1	-8.97	6.6	-1,454.0	538.6	512.7	25.84	20.846	
6,100.0	5,979.6	6,163.5	6,081.7	13.3	13.3	-9.58	7.1	-1,435.5	493.8	467.6	26.21	18.841	
6,200.0	6,076.2	6,252.7	6,169.0	13.5	13.5	-10.32	7.6	-1,417.0	449.0	422.5	26.58	16.894	
6,300.0	6,172.9	6,342.0	6,256.3	13.7	13.6	-11.23	8.1	-1,398.5	404.4	377.4	26.95	15.002	
6,400.0	6,269.5	6,431.3	6,343.7	13.9	13.8	-12.35	8.6	-1,380.1	359.8	332.5	27.33	13.166	
6,500.0	6,366.2	6,520.5	6,431.0	14.1	14.0	-13.79	9.1	-1,361.6	315.4	287.7	27.70	11.384	
6,600.0	6,462.9	6,609.8	6,518.3	14.4	14.2	-15.70	9.6	-1,343.1	271.2	243.1	28.07	9.659	
6,700.0	6,559.5	6,699.1	6,605.6	14.6	14.3	-18.34	10.0	-1,324.6	227.3	198.8	28.44	7.992	
6,800.0	6,656.2	6,788.3	6,693.0	14.8	14.5	-22.21	10.5	-1,306.1	184.0	155.2	28.80	6.390	
6,900.0	6,752.8	6,877.6	6,780.3	15.0	14.7	-28.33	11.0	-1,287.6	141.8	112.7	29.12	4.870	
7,000.0	6,849.5	6,966.8	6,867.6	15.2	14.9	-39.12	11.5	-1,269.1	102.2	72.8	29.36	3.479	
7,100.0	6,946.2	7,056.1	6,954.9	15.5	15.1	-60.26	12.0	-1,250.6	69.4	40.1	29.38	2.364	Caution - Monitor Closely
7,188.2	7,031.4	7,134.8	7,032.0	15.7	15.2	-92.19	12.4	-1,234.3	56.9	27.6	29.33	1.941	Caution - Monitor Closely, CC, ES, SF
7,200.0	7,042.8	7,145.4	7,042.3	15.7	15.2	-96.95	12.5	-1,232.1	57.2	27.8	29.38	1.947	Caution - Monitor Closely
7,300.0	7,139.5	7,234.6	7,129.6	15.9	15.4	-130.49	13.0	-1,213.6	76.1	45.9	30.18	2.520	Normal Operations
7,400.0	7,236.1	7,323.9	7,216.9	16.1	15.6	-148.42	13.5	-1,195.1	111.2	80.3	30.89	3.600	
7,500.0	7,332.8	7,413.2	7,304.3	16.4	15.8	-157.76	13.9	-1,176.6	151.7	120.2	31.41	4.828	
7,600.0	7,429.5	7,502.4	7,391.6	16.6	16.0	-163.21	14.4	-1,158.1	194.2	162.3	31.87	6.093	
7,700.0	7,526.1	7,591.7	7,478.9	16.8	16.2	-166.71	14.9	-1,139.6	237.6	205.3	32.30	7.358	
7,800.0	7,622.8	7,681.0	7,566.2	17.0	16.3	-169.15	15.4	-1,121.1	281.6	248.9	32.71	8.608	
7,900.0	7,719.4	7,770.2	7,653.6	17.3	16.5	-170.93	15.9	-1,102.6	325.9	292.7	33.13	9.837	
8,000.0	7,816.1	7,859.5	7,740.9	17.5	16.7	-172.28	16.4	-1,084.1	370.3	336.8	33.53	11.044	
8,100.0	7,912.8	7,950.0	7,829.4	17.7	16.9	-173.36	16.9	-1,065.4	414.9	381.0	33.94	12.225	
8,200.0	8,009.4	8,047.1	7,924.6	17.9	17.1	-174.26	17.4	-1,046.3	458.6	424.2	34.40	13.332	
8,222.9	8,031.5	8,069.5	7,946.6	18.0	17.1	-174.44	17.5	-1,042.2	468.4	433.9	34.50	13.576	
8,300.0	8,106.2	8,146.0	8,021.9	18.1	17.3	-175.00	17.8	-1,028.6	500.3	465.5	34.85	14.356	
8,400.0	8,203.4	8,247.2	8,121.8	18.4	17.5	-175.58	18.3	-1,012.2	539.0	503.7	35.31	15.266	
8,500.0	8,301.0	8,350.5	8,224.1	18.6	17.7	-176.04	18.7	-997.3	574.4	538.7	35.76	16.065	
8,600.0	8,399.0	8,456.0	8,328.6	18.8	17.9	-176.40	19.0	-984.0	606.6	570.4	36.20	16.756	
8,700.0	8,497.3	8,563.2	8,435.3	19.0	18.1	-176.69	19.3	-972.4	635.3	598.6	36.63	17.343	
8,800.0	8,595.9	8,672.2	8,543.8	19.2	18.2	-176.92	19.6	-962.7	660.5	623.5	37.05	17.830	
8,900.0	8,694.8	8,782.6	8,653.9	19.4	18.4	-177.09	19.8	-955.0	682.3	644.8	37.45	18.218	
9,000.0	8,793.9	8,894.3	8,765.5	19.6	18.6	-177.23	19.9	-949.4	700.4	662.6	37.83	18.512	
9,100.0	8,893.2	9,007.0	8,878.1	19.8	18.8	-177.32	20.0	-945.8	714.9	676.7	38.19	18.717	
9,200.0	8,992.8	9,120.6	8,991.7	19.9	18.9	-177.38	20.0	-944.6	725.7	687.2	38.51	18.845	
9,300.0	9,092.4	9,221.3	9,092.4	20.1	18.9	-177.41	20.0	-944.6	733.7	695.0	38.72	18.948	
9,400.0	9,192.2	9,321.1	9,192.2	20.3	19.0	-177.44	20.0	-944.6	739.9	701.0	38.94	19.005	
9,500.0	9,292.1	9,421.0	9,292.1	20.4	19.0	-177.46	20.0	-944.6	744.4	705.3	39.14	19.021	
9,600.0	9,392.1	9,521.0	9,392.1	20.5	19.1	-177.47	20.0	-944.6	747.2	707.9	39.33	19.000	
9,700.0	9,492.1	9,620.9	9,492.1	20.6	19.1	-177.47	20.0	-944.6	748.2	708.7	39.47	18.958	
9,707.9	9,500.0	9,628.9	9,500.0	20.6	19.1	95.75	20.0	-944.6	748.2	708.7	39.48	18.953	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 702H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Rule Assigned: No-Go Distance (usft)	Separation Factor	Warning
9,800.0	9,592.1	9,721.0	9,592.1	20.7	19.2	95.75	20.0	-944.6	748.2	708.7	39.56	18.915	
9,900.0	9,692.1	9,821.0	9,692.1	20.7	19.2	95.75	20.0	-944.6	748.2	708.6	39.65	18.872	
10,000.0	9,792.1	9,921.0	9,792.1	20.8	19.3	95.75	20.0	-944.6	748.2	708.5	39.74	18.828	
10,100.0	9,892.1	10,021.0	9,892.1	20.8	19.3	95.75	20.0	-944.6	748.2	708.4	39.83	18.785	
10,200.0	9,992.1	10,121.0	9,992.1	20.8	19.4	95.75	20.0	-944.6	748.2	708.3	39.92	18.742	
10,300.0	10,092.1	10,221.0	10,092.1	20.9	19.4	95.75	20.0	-944.6	748.2	708.2	40.01	18.698	
10,400.0	10,192.1	10,321.0	10,192.1	20.9	19.5	95.75	20.0	-944.6	748.2	708.1	40.11	18.655	
10,500.0	10,292.1	10,421.0	10,292.1	21.0	19.5	95.75	20.0	-944.6	748.2	708.0	40.20	18.612	
10,600.0	10,392.1	10,521.0	10,392.1	21.0	19.6	95.75	20.0	-944.6	748.2	707.9	40.29	18.569	
10,700.0	10,492.1	10,621.0	10,492.1	21.1	19.6	95.75	20.0	-944.6	748.2	707.8	40.39	18.525	
10,800.0	10,592.1	10,721.0	10,592.1	21.1	19.7	95.75	20.0	-944.6	748.2	707.7	40.48	18.482	
10,900.0	10,692.1	10,821.0	10,692.1	21.2	19.7	95.75	20.0	-944.6	748.2	707.6	40.58	18.439	
11,000.0	10,792.1	10,921.0	10,792.1	21.2	19.8	95.75	20.0	-944.6	748.2	707.5	40.67	18.395	
11,100.0	10,892.1	11,021.0	10,892.1	21.3	19.8	95.75	20.0	-944.6	748.2	707.4	40.77	18.352	
11,200.0	10,992.1	11,121.0	10,992.1	21.3	19.9	95.75	20.0	-944.6	748.2	707.3	40.87	18.309	
11,300.0	11,092.1	11,221.0	11,092.1	21.4	19.9	95.75	20.0	-944.6	748.2	707.2	40.96	18.266	
11,400.0	11,192.1	11,321.0	11,192.1	21.4	20.0	95.75	20.0	-944.6	748.2	707.2	41.06	18.222	
11,500.0	11,292.1	11,421.0	11,292.1	21.5	20.0	95.75	20.0	-944.6	748.2	707.1	41.16	18.179	
11,600.0	11,392.1	11,521.0	11,392.1	21.5	20.1	95.75	20.0	-944.6	748.2	707.0	41.26	18.136	
11,700.0	11,492.1	11,621.0	11,492.1	21.6	20.1	95.75	20.0	-944.6	748.2	706.9	41.35	18.093	
11,800.0	11,592.1	11,721.0	11,592.1	21.6	20.2	95.75	20.0	-944.6	748.2	706.8	41.45	18.050	
11,900.0	11,692.1	11,821.0	11,692.1	21.7	20.2	95.75	20.0	-944.6	748.2	706.7	41.55	18.007	
12,000.0	11,792.1	11,921.0	11,792.1	21.7	20.3	95.75	20.0	-944.6	748.2	706.6	41.65	17.964	
12,100.0	11,892.1	12,021.0	11,892.1	21.7	20.3	95.75	20.0	-944.6	748.2	706.5	41.75	17.921	
12,200.0	11,992.1	12,121.0	11,992.1	21.8	20.4	95.75	20.0	-944.6	748.2	706.4	41.85	17.878	
12,208.6	12,000.7	12,129.5	12,000.7	21.8	20.4	95.75	20.0	-944.6	748.2	706.4	41.86	17.874	
12,300.0	12,092.1	12,218.1	12,089.2	21.8	20.4	95.77	19.8	-944.5	748.3	706.3	41.94	17.840	
12,400.0	12,192.1	12,300.0	12,170.4	21.9	20.4	96.52	9.9	-944.5	749.7	707.7	41.99	17.853	
12,480.4	12,272.5	12,365.2	12,233.2	21.9	20.4	97.86	-7.8	-944.3	752.8	710.8	42.04	17.908	
12,500.0	12,292.1	12,380.0	12,247.0	21.9	20.4	-81.08	-13.0	-944.2	753.8	711.8	42.05	17.929	
12,525.0	12,317.0	12,400.0	12,265.4	21.9	20.4	-80.44	-20.7	-944.2	755.2	713.2	42.05	17.960	
12,550.0	12,341.8	12,417.2	12,281.1	21.9	20.4	-79.88	-27.9	-944.1	756.6	714.5	42.06	17.987	
12,575.0	12,366.5	12,435.6	12,297.5	21.9	20.4	-79.31	-36.3	-944.0	758.0	715.9	42.08	18.013	
12,600.0	12,390.8	12,453.9	12,313.4	21.9	20.4	-78.76	-45.2	-943.9	759.4	717.3	42.10	18.038	
12,625.0	12,414.9	12,475.0	12,331.4	21.9	20.4	-78.18	-56.2	-943.8	760.7	718.6	42.11	18.066	
12,650.0	12,438.5	12,490.0	12,343.9	21.9	20.4	-77.75	-64.6	-943.7	762.1	719.9	42.15	18.081	
12,675.0	12,461.7	12,507.9	12,358.4	21.9	20.4	-77.27	-75.0	-943.6	763.4	721.2	42.18	18.098	
12,700.0	12,484.4	12,525.0	12,371.9	21.9	20.4	-76.84	-85.5	-943.5	764.7	722.5	42.23	18.110	
12,725.0	12,506.5	12,543.5	12,386.1	21.9	20.4	-76.41	-97.3	-943.4	766.0	723.7	42.27	18.122	
12,750.0	12,528.0	12,561.1	12,399.2	21.9	20.4	-76.02	-109.2	-943.3	767.1	724.8	42.32	18.129	
12,775.0	12,548.7	12,578.7	12,411.7	21.9	20.4	-75.67	-121.4	-943.2	768.3	725.9	42.37	18.133	
12,800.0	12,568.8	12,596.2	12,423.8	21.9	20.4	-75.34	-134.1	-943.0	769.3	726.9	42.42	18.133	
12,825.0	12,587.9	12,613.7	12,435.4	21.9	20.4	-75.04	-147.1	-942.9	770.3	727.8	42.49	18.130	
12,850.0	12,606.3	12,631.1	12,446.5	21.9	20.4	-74.77	-160.6	-942.8	771.1	728.6	42.55	18.124	
12,875.0	12,623.7	12,650.0	12,458.0	21.9	20.4	-74.52	-175.6	-942.6	771.9	729.3	42.60	18.118	
12,900.0	12,640.1	12,665.7	12,467.0	21.9	20.4	-74.33	-188.5	-942.5	772.6	729.9	42.68	18.102	
12,925.0	12,655.6	12,683.0	12,476.5	21.9	20.4	-74.16	-202.9	-942.4	773.2	730.4	42.75	18.086	
12,950.0	12,670.0	12,700.0	12,485.3	21.9	20.5	-74.02	-217.5	-942.2	773.6	730.8	42.82	18.069	
12,975.0	12,683.3	12,717.5	12,493.8	22.0	20.5	-73.91	-232.8	-942.1	774.0	731.1	42.88	18.050	
13,000.0	12,695.4	12,734.7	12,501.6	22.0	20.5	-73.83	-248.1	-941.9	774.3	731.3	42.95	18.028	

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Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 702H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Rule Assigned: No-Go Distance (usft)	Separation Factor	Warning
13,025.0	12,706.5	12,750.0	12,508.1	22.0	20.5	-73.79	-261.9	-941.8	774.4	731.4	43.02	18.000	
13,050.0	12,716.3	12,769.1	12,515.6	22.1	20.5	-73.78	-279.6	-941.6	774.4	731.4	43.07	17.979	
13,075.0	12,724.9	12,786.4	12,521.7	22.1	20.6	-73.81	-295.6	-941.5	774.3	731.2	43.13	17.952	
13,100.0	12,732.3	12,800.0	12,526.2	22.2	20.6	-73.86	-308.5	-941.3	774.2	731.0	43.20	17.921	
13,125.0	12,738.4	12,820.8	12,532.2	22.2	20.6	-73.96	-328.4	-941.1	773.8	730.6	43.24	17.897	
13,150.0	12,743.2	12,838.0	12,536.6	22.3	20.6	-74.08	-345.1	-941.0	773.4	730.1	43.28	17.868	
13,175.0	12,746.8	12,855.3	12,540.3	22.3	20.7	-74.24	-362.0	-940.8	772.9	729.6	43.32	17.839	
13,200.0	12,749.0	12,875.0	12,543.9	22.4	20.7	-74.44	-381.3	-940.6	772.2	728.9	43.36	17.811	
13,225.0	12,749.9	12,890.0	12,546.0	22.4	20.7	-74.64	-396.1	-940.5	771.5	728.1	43.39	17.781	
13,230.4	12,750.0	12,893.7	12,546.5	22.5	20.8	-74.70	-399.9	-940.4	771.3	727.9	43.40	17.774	
13,300.0	12,750.0	12,942.5	12,549.9	22.7	20.9	-74.94	-448.5	-940.0	770.0	726.5	43.50	17.700	
13,340.3	12,750.0	12,979.1	12,550.0	22.8	21.0	-74.95	-485.1	-939.6	770.0	726.4	43.62	17.654	
13,400.0	12,750.0	13,038.7	12,550.0	22.9	21.1	-74.95	-544.8	-939.0	770.0	726.2	43.80	17.579	
13,500.0	12,750.0	13,138.7	12,550.0	23.3	21.4	-74.95	-644.7	-938.1	770.0	725.8	44.17	17.432	
13,600.0	12,750.0	13,238.7	12,550.0	23.6	21.7	-74.94	-744.7	-937.1	770.0	725.4	44.60	17.265	
13,700.0	12,750.0	13,338.7	12,550.0	23.9	22.1	-74.94	-844.7	-936.1	769.9	724.9	45.08	17.079	
13,800.0	12,750.0	13,438.7	12,550.0	24.3	22.4	-74.94	-944.7	-935.1	769.9	724.3	45.62	16.877	
13,900.0	12,750.0	13,538.7	12,550.0	24.7	22.8	-74.94	-1,044.7	-934.1	769.9	723.7	46.21	16.660	
14,000.0	12,750.0	13,638.7	12,550.0	25.1	23.2	-74.94	-1,144.7	-933.2	769.9	723.0	46.86	16.430	
14,100.0	12,750.0	13,738.7	12,550.0	25.5	23.6	-74.94	-1,244.7	-932.2	769.9	722.3	47.55	16.190	
14,200.0	12,750.0	13,838.7	12,550.0	25.9	24.1	-74.94	-1,344.7	-931.2	769.9	721.6	48.29	15.942	
14,300.0	12,750.0	13,938.7	12,550.0	26.4	24.5	-74.94	-1,444.7	-930.2	769.8	720.8	49.08	15.686	
14,400.0	12,750.0	14,038.7	12,550.0	26.8	25.0	-74.94	-1,544.7	-929.3	769.8	719.9	49.91	15.425	
14,500.0	12,750.0	14,138.7	12,550.0	27.3	25.5	-74.94	-1,644.7	-928.3	769.8	719.0	50.78	15.161	
14,600.0	12,750.0	14,238.7	12,550.0	27.8	26.0	-74.94	-1,744.7	-927.3	769.8	718.1	51.68	14.894	
14,700.0	12,750.0	14,338.7	12,550.0	28.3	26.6	-74.94	-1,844.7	-926.3	769.8	717.2	52.63	14.627	
14,800.0	12,750.0	14,438.7	12,550.0	28.8	27.1	-74.94	-1,944.7	-925.3	769.8	716.2	53.61	14.359	
14,900.0	12,750.0	14,538.7	12,550.0	29.4	27.7	-74.94	-2,044.7	-924.4	769.7	715.1	54.62	14.093	
15,000.0	12,750.0	14,638.7	12,550.0	29.9	28.2	-74.94	-2,144.7	-923.4	769.7	714.1	55.66	13.829	
15,100.0	12,750.0	14,738.7	12,550.0	30.5	28.8	-74.94	-2,244.7	-922.4	769.7	713.0	56.73	13.567	
15,200.0	12,750.0	14,838.7	12,550.0	31.0	29.4	-74.94	-2,344.7	-921.4	769.7	711.9	57.83	13.309	
15,300.0	12,750.0	14,938.7	12,550.0	31.6	30.0	-74.94	-2,444.7	-920.5	769.7	710.7	58.96	13.054	
15,400.0	12,750.0	15,038.7	12,550.0	32.2	30.6	-74.94	-2,544.7	-919.5	769.7	709.6	60.11	12.804	
15,500.0	12,750.0	15,138.7	12,550.0	32.8	31.3	-74.94	-2,644.6	-918.5	769.7	708.4	61.28	12.559	
15,600.0	12,750.0	15,238.7	12,550.0	33.4	31.9	-74.94	-2,744.6	-917.5	769.6	707.2	62.48	12.318	
15,700.0	12,750.0	15,338.7	12,550.0	34.1	32.6	-74.94	-2,844.6	-916.5	769.6	705.9	63.70	12.083	
15,800.0	12,750.0	15,438.7	12,550.0	34.7	33.2	-74.94	-2,944.6	-915.6	769.6	704.7	64.93	11.852	
15,900.0	12,750.0	15,538.7	12,550.0	35.3	33.9	-74.94	-3,044.6	-914.6	769.6	703.4	66.19	11.628	
16,000.0	12,750.0	15,638.7	12,550.0	36.0	34.5	-74.94	-3,144.6	-913.6	769.6	702.1	67.46	11.408	
16,100.0	12,750.0	15,738.7	12,550.0	36.6	35.2	-74.94	-3,244.6	-912.6	769.6	700.8	68.74	11.194	
16,200.0	12,750.0	15,838.7	12,550.0	37.3	35.9	-74.94	-3,344.6	-911.6	769.5	699.5	70.05	10.986	
16,300.0	12,750.0	15,938.7	12,550.0	38.0	36.6	-74.94	-3,444.6	-910.7	769.5	698.2	71.37	10.783	
16,400.0	12,750.0	16,038.7	12,550.0	38.7	37.3	-74.94	-3,544.6	-909.7	769.5	696.8	72.70	10.585	
16,500.0	12,750.0	16,138.7	12,550.0	39.4	38.0	-74.94	-3,644.6	-908.7	769.5	695.4	74.04	10.393	
16,600.0	12,750.0	16,238.7	12,550.0	40.0	38.7	-74.94	-3,744.6	-907.7	769.5	694.1	75.40	10.205	
16,700.0	12,750.0	16,338.7	12,550.0	40.7	39.4	-74.94	-3,844.6	-906.8	769.5	692.7	76.77	10.023	
16,800.0	12,750.0	16,438.7	12,550.0	41.4	40.2	-74.94	-3,944.6	-905.8	769.4	691.3	78.15	9.846	
16,900.0	12,750.0	16,538.7	12,550.0	42.2	40.9	-74.93	-4,044.6	-904.8	769.4	689.9	79.54	9.674	
17,000.0	12,750.0	16,638.7	12,550.0	42.9	41.6	-74.93	-4,144.6	-903.8	769.4	688.5	80.94	9.506	
17,100.0	12,750.0	16,738.7	12,550.0	43.6	42.4	-74.93	-4,244.6	-902.8	769.4	687.0	82.35	9.343	
17,200.0	12,750.0	16,838.7	12,550.0	44.3	43.1	-74.93	-4,344.6	-901.9	769.4	685.6	83.77	9.185	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 702H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
17,300.0	12,750.0	16,938.7	12,550.0	45.0	43.9	-74.93	-4,444.6	-900.9	769.4	684.2	85.19	9.031	
17,400.0	12,750.0	17,038.7	12,550.0	45.8	44.6	-74.93	-4,544.6	-899.9	769.3	682.7	86.63	8.881	
17,500.0	12,750.0	17,138.7	12,550.0	46.5	45.4	-74.93	-4,644.6	-898.9	769.3	681.2	88.07	8.735	
17,600.0	12,750.0	17,238.7	12,550.0	47.3	46.1	-74.93	-4,744.5	-898.0	769.3	679.8	89.52	8.594	
17,700.0	12,750.0	17,338.7	12,550.0	48.0	46.9	-74.93	-4,844.5	-897.0	769.3	678.3	90.98	8.456	
17,800.0	12,750.0	17,438.7	12,550.0	48.7	47.6	-74.93	-4,944.5	-896.0	769.3	676.8	92.44	8.322	
17,900.0	12,750.0	17,538.7	12,550.0	49.5	48.4	-74.93	-5,044.5	-895.0	769.3	675.3	93.91	8.191	
18,000.0	12,750.0	17,638.7	12,550.0	50.3	49.2	-74.93	-5,144.5	-894.0	769.2	673.8	95.39	8.064	
18,100.0	12,750.0	17,738.7	12,550.0	51.0	49.9	-74.93	-5,244.5	-893.1	769.2	672.4	96.87	7.941	
18,200.0	12,750.0	17,838.7	12,550.0	51.8	50.7	-74.93	-5,344.5	-892.1	769.2	670.8	98.36	7.821	
18,300.0	12,750.0	17,938.7	12,550.0	52.5	51.5	-74.93	-5,444.5	-891.1	769.2	669.3	99.85	7.704	
18,400.0	12,750.0	18,038.7	12,550.0	53.3	52.3	-74.93	-5,544.5	-890.1	769.2	667.8	101.35	7.590	
18,500.0	12,750.0	18,138.7	12,550.0	54.1	53.1	-74.93	-5,644.5	-889.2	769.2	666.3	102.85	7.479	
18,600.0	12,750.0	18,238.7	12,550.0	54.9	53.8	-74.93	-5,744.5	-888.2	769.1	664.8	104.36	7.370	
18,700.0	12,750.0	18,338.7	12,550.0	55.6	54.6	-74.93	-5,844.5	-887.2	769.1	663.3	105.87	7.265	
18,800.0	12,750.0	18,438.7	12,550.0	56.4	55.4	-74.93	-5,944.5	-886.2	769.1	661.7	107.38	7.162	
18,900.0	12,750.0	18,538.7	12,550.0	57.2	56.2	-74.93	-6,044.5	-885.2	769.1	660.2	108.90	7.062	
19,000.0	12,750.0	18,638.7	12,550.0	58.0	57.0	-74.93	-6,144.5	-884.3	769.1	658.6	110.42	6.965	
19,100.0	12,750.0	18,738.7	12,550.0	58.7	57.8	-74.93	-6,244.5	-883.3	769.1	657.1	111.95	6.870	
19,200.0	12,750.0	18,838.7	12,550.0	59.5	58.6	-74.93	-6,344.5	-882.3	769.0	655.6	113.48	6.777	
19,300.0	12,750.0	18,938.7	12,550.0	60.3	59.4	-74.93	-6,444.5	-881.3	769.0	654.0	115.02	6.686	
19,400.0	12,750.0	19,038.7	12,550.0	61.1	60.2	-74.93	-6,544.5	-880.4	769.0	652.5	116.55	6.598	
19,500.0	12,750.0	19,138.7	12,550.0	61.9	61.0	-74.93	-6,644.5	-879.4	769.0	650.9	118.09	6.512	
19,600.0	12,750.0	19,238.7	12,550.0	62.7	61.8	-74.93	-6,744.5	-878.4	769.0	649.3	119.64	6.428	
19,700.0	12,750.0	19,338.7	12,550.0	63.5	62.6	-74.93	-6,844.4	-877.4	769.0	647.8	121.18	6.345	
19,800.0	12,750.0	19,438.7	12,550.0	64.3	63.4	-74.93	-6,944.4	-876.4	768.9	646.2	122.73	6.265	
19,900.0	12,750.0	19,538.7	12,550.0	65.1	64.2	-74.93	-7,044.4	-875.5	768.9	644.6	124.28	6.187	
20,000.0	12,750.0	19,638.7	12,550.0	65.9	65.0	-74.93	-7,144.4	-874.5	768.9	643.1	125.84	6.110	
20,100.0	12,750.0	19,738.7	12,550.0	66.7	65.8	-74.93	-7,244.4	-873.5	768.9	641.5	127.40	6.035	
20,200.0	12,750.0	19,838.7	12,550.0	67.5	66.7	-74.93	-7,344.4	-872.5	768.9	639.9	128.96	5.962	
20,300.0	12,750.0	19,938.7	12,550.0	68.3	67.5	-74.92	-7,444.4	-871.6	768.9	638.3	130.52	5.891	
20,400.0	12,750.0	20,038.7	12,550.0	69.1	68.3	-74.92	-7,544.4	-870.6	768.8	636.8	132.08	5.821	
20,500.0	12,750.0	20,138.7	12,550.0	69.9	69.1	-74.92	-7,644.4	-869.6	768.8	635.2	133.65	5.753	
20,600.0	12,750.0	20,238.7	12,550.0	70.7	69.9	-74.92	-7,744.4	-868.6	768.8	633.6	135.21	5.686	
20,700.0	12,750.0	20,338.7	12,550.0	71.5	70.7	-74.92	-7,844.4	-867.6	768.8	632.0	136.78	5.620	
20,800.0	12,750.0	20,438.7	12,550.0	72.3	71.5	-74.92	-7,944.4	-866.7	768.8	630.4	138.36	5.556	
20,900.0	12,750.0	20,538.7	12,550.0	73.1	72.4	-74.92	-8,044.4	-865.7	768.8	628.8	139.93	5.494	
20,989.1	12,750.0	20,627.8	12,550.0	73.9	73.1	-74.92	-8,133.4	-864.8	768.7	627.4	141.33	5.439	
21,000.0	12,750.0	20,638.5	12,550.0	74.0	73.2	-74.92	-8,144.2	-864.7	768.7	627.2	141.50	5.433	
21,100.0	12,750.0	20,638.5	12,550.0	74.8	73.2	-74.92	-8,144.2	-864.7	775.2	633.8	141.44	5.481	
21,200.0	12,750.0	20,638.5	12,550.0	75.6	73.2	-74.92	-8,144.2	-864.7	794.4	654.9	139.45	5.696	
21,300.0	12,750.0	20,638.5	12,550.0	76.4	73.2	-74.92	-8,144.2	-864.7	825.2	689.3	135.91	6.072	
21,400.0	12,750.0	20,638.5	12,550.0	77.2	73.2	-74.92	-8,144.2	-864.7	866.6	735.3	131.30	6.601	
21,500.0	12,750.0	20,638.5	12,550.0	78.0	73.2	-74.92	-8,144.2	-864.7	917.1	791.0	126.11	7.272	
21,600.0	12,750.0	20,638.5	12,550.0	78.8	73.2	-74.92	-8,144.2	-864.7	975.2	854.5	120.75	8.076	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 703H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1

Offset Well Error: 0.0 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	89.61	0.8	119.7	119.7				
100.0	100.0	100.0	100.0	0.8	0.8	89.61	0.8	119.7	119.7	117.7	1.99	60.123	
200.0	200.0	200.0	200.0	1.4	1.4	89.61	0.8	119.7	119.7	116.4	3.31	36.152	
300.0	300.0	300.0	300.0	1.9	1.9	89.61	0.8	119.7	119.7	115.5	4.20	28.536	
400.0	400.0	400.0	400.0	2.2	2.2	89.61	0.8	119.7	119.7	114.8	4.91	24.373	
500.0	500.0	500.0	500.0	2.6	2.6	89.61	0.8	119.7	119.7	114.2	5.53	21.637	
600.0	600.0	600.0	600.0	2.8	2.8	89.61	0.8	119.7	119.7	113.6	6.09	19.657	
700.0	700.0	700.0	700.0	3.1	3.1	89.61	0.8	119.7	119.7	113.1	6.60	18.136	
800.0	800.0	800.0	800.0	3.3	3.3	89.61	0.8	119.7	119.7	112.6	7.08	16.918	
900.0	900.0	900.0	900.0	3.6	3.6	89.61	0.8	119.7	119.7	112.2	7.52	15.912	
1,000.0	1,000.0	1,000.0	1,000.0	3.8	3.8	89.61	0.8	119.7	119.7	111.8	7.95	15.064	
1,100.0	1,100.0	1,100.0	1,100.0	4.0	4.0	89.61	0.8	119.7	119.7	111.4	8.35	14.335	
1,200.0	1,200.0	1,200.0	1,200.0	4.2	4.2	89.61	0.8	119.7	119.7	111.0	8.74	13.699	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	89.61	0.8	119.7	119.7	110.6	9.11	13.138	
1,400.0	1,400.0	1,400.0	1,400.0	4.6	4.6	89.61	0.8	119.7	119.7	110.2	9.47	12.638	
1,500.0	1,500.0	1,500.0	1,500.0	4.7	4.7	89.61	0.8	119.7	119.7	109.9	9.82	12.188	
1,600.0	1,600.0	1,600.0	1,600.0	4.9	4.9	89.61	0.8	119.7	119.7	109.6	10.16	11.781	
1,700.0	1,700.0	1,700.0	1,700.0	5.1	5.1	89.61	0.8	119.7	119.7	109.2	10.49	11.409	
1,800.0	1,800.0	1,800.0	1,800.0	5.2	5.2	89.61	0.8	119.7	119.7	108.9	10.82	11.069	
1,900.0	1,900.0	1,900.0	1,900.0	5.4	5.4	89.61	0.8	119.7	119.7	108.6	11.13	10.756	
2,000.0	2,000.0	2,000.0	2,000.0	5.6	5.6	89.61	0.8	119.7	119.7	108.3	11.44	10.465 CC, ES	
2,100.0	2,100.0	2,100.0	2,100.0	5.8	5.7	176.44	0.8	119.7	121.5	109.6	11.82	10.279 SF	
2,200.0	2,199.8	2,199.8	2,199.8	6.0	5.9	176.58	0.8	119.7	126.7	114.5	12.18	10.404	
2,300.0	2,299.5	2,299.5	2,299.5	6.2	6.0	176.79	0.8	119.7	135.4	122.9	12.53	10.804	
2,400.0	2,398.7	2,398.7	2,398.7	6.4	6.2	177.04	0.8	119.7	147.6	134.7	12.88	11.456	
2,500.0	2,497.5	2,497.5	2,497.5	6.6	6.3	177.31	0.8	119.7	163.2	150.0	13.23	12.338	
2,600.0	2,595.6	2,589.9	2,589.9	6.8	6.5	177.51	1.0	121.1	183.7	170.1	13.61	13.500	
2,700.0	2,693.1	2,680.0	2,679.9	7.0	6.7	177.60	1.4	125.3	210.7	196.8	13.98	15.080	
2,742.5	2,734.2	2,717.6	2,717.3	7.1	6.7	177.62	1.6	127.9	224.1	210.1	14.08	15.919	
2,800.0	2,789.8	2,767.6	2,767.2	7.1	6.9	177.63	2.0	132.1	243.5	229.3	14.22	17.119	
2,900.0	2,886.5	2,853.2	2,852.3	7.3	7.1	177.60	2.9	141.4	279.3	264.8	14.52	19.243	
3,000.0	2,983.1	2,936.8	2,935.1	7.4	7.2	177.52	4.1	152.8	317.9	303.1	14.77	21.525	
3,100.0	3,079.8	3,027.3	3,024.5	7.6	7.4	177.42	5.4	166.8	358.1	343.0	15.05	23.794	
3,200.0	3,176.4	3,118.9	3,115.0	7.7	7.6	177.33	6.8	180.9	398.3	382.9	15.39	25.875	
3,300.0	3,273.1	3,210.4	3,205.4	7.9	7.8	177.27	8.2	195.0	438.5	422.8	15.76	27.831	
3,400.0	3,369.8	3,302.0	3,295.9	8.0	8.0	177.21	9.6	209.2	478.7	462.6	16.14	29.665	
3,500.0	3,466.4	3,393.5	3,386.3	8.2	8.3	177.17	11.0	223.3	519.0	502.4	16.54	31.379	
3,600.0	3,563.1	3,485.1	3,476.8	8.4	8.5	177.13	12.4	237.5	559.2	542.2	16.95	32.981	
3,700.0	3,659.7	3,576.7	3,567.2	8.5	8.8	177.09	13.7	251.6	599.4	582.0	17.38	34.477	
3,800.0	3,756.4	3,668.2	3,657.7	8.7	9.1	177.06	15.1	265.8	639.6	621.8	17.83	35.874	
3,900.0	3,853.1	3,759.8	3,748.1	8.9	9.4	177.03	16.5	279.9	679.8	661.5	18.29	37.176	
4,000.0	3,949.7	3,851.3	3,838.6	9.1	9.7	177.01	17.9	294.1	720.0	701.3	18.76	38.391	
4,100.0	4,046.4	3,942.9	3,929.0	9.2	10.0	176.99	19.3	308.2	760.2	741.0	19.24	39.524	
4,200.0	4,143.0	4,034.4	4,019.5	9.4	10.3	176.97	20.7	322.3	800.5	780.7	19.73	40.581	
4,300.0	4,239.7	4,126.0	4,109.9	9.6	10.6	176.95	22.0	336.5	840.7	820.5	20.21	41.598	
4,400.0	4,336.4	4,233.9	4,216.7	9.8	10.9	176.94	23.6	352.2	880.0	859.2	20.79	42.322	
4,500.0	4,433.0	4,343.7	4,325.6	10.0	11.3	176.95	24.9	366.1	917.7	896.3	21.40	42.885	
4,600.0	4,529.7	4,455.2	4,436.4	10.2	11.7	176.96	26.1	378.1	953.5	931.5	22.00	43.341	
4,700.0	4,626.3	4,568.3	4,549.0	10.4	12.1	177.00	27.1	388.0	987.5	964.9	22.59	43.705	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 802H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Rule Assigned: No-Go Distance (usft)	Separation Factor	Warning
8,600.0	8,399.0	8,415.5	8,399.0	18.8	12.9	-8.10	7.4	-2,568.5	989.5	957.6	31.93	30.988	
8,700.0	8,497.3	8,513.8	8,497.3	19.0	13.0	-8.22	7.4	-2,568.5	971.4	939.1	32.24	30.133	
8,800.0	8,595.9	8,612.4	8,595.9	19.2	13.1	-8.34	7.4	-2,568.5	954.9	922.3	32.53	29.352	
8,900.0	8,694.8	8,711.2	8,694.8	19.4	13.2	-8.45	7.4	-2,568.5	940.1	907.3	32.82	28.641	
9,000.0	8,793.9	8,810.4	8,793.9	19.6	13.3	-8.55	7.4	-2,568.5	927.1	894.0	33.11	27.999	
9,100.0	8,893.2	8,909.7	8,893.2	19.8	13.4	-8.64	7.4	-2,568.5	915.7	882.4	33.39	27.425	
9,200.0	8,992.8	9,009.2	8,992.8	19.9	13.4	-8.72	7.4	-2,568.5	906.1	872.5	33.66	26.918	
9,300.0	9,092.4	9,108.9	9,092.4	20.1	13.5	-8.78	7.4	-2,568.5	898.2	864.3	33.93	26.476	
9,400.0	9,192.2	9,208.7	9,192.2	20.3	13.6	-8.84	7.4	-2,568.5	892.1	857.9	34.18	26.098	
9,500.0	9,292.1	9,308.6	9,292.1	20.4	13.7	-8.87	7.4	-2,568.5	887.6	853.2	34.43	25.784	
9,600.0	9,392.1	9,408.6	9,392.1	20.5	13.8	-8.90	7.4	-2,568.5	884.9	850.2	34.65	25.536	
9,700.0	9,492.1	9,508.5	9,492.1	20.6	13.9	-8.91	7.4	-2,568.5	883.9	849.1	34.83	25.378	
9,707.9	9,500.0	9,516.5	9,500.0	20.6	13.9	-95.69	7.4	-2,568.5	883.9	849.1	34.84	25.368	
9,800.0	9,592.1	9,608.6	9,592.1	20.7	14.0	-95.69	7.4	-2,568.5	883.9	848.9	34.95	25.290	
9,900.0	9,692.1	9,708.6	9,692.1	20.7	14.1	-95.69	7.4	-2,568.5	883.9	848.8	35.07	25.203	
10,000.0	9,792.1	9,808.6	9,792.1	20.8	14.2	-95.69	7.4	-2,568.5	883.9	848.7	35.19	25.116	
10,100.0	9,892.1	9,908.6	9,892.1	20.8	14.2	-95.69	7.4	-2,568.5	883.9	848.6	35.31	25.030	
10,200.0	9,992.1	10,008.6	9,992.1	20.8	14.3	-95.69	7.4	-2,568.5	883.9	848.5	35.44	24.943	
10,300.0	10,092.1	10,108.6	10,092.1	20.9	14.4	-95.69	7.4	-2,568.5	883.9	848.3	35.56	24.858	
10,400.0	10,192.1	10,208.6	10,192.1	20.9	14.5	-95.69	7.4	-2,568.5	883.9	848.2	35.68	24.772	
10,500.0	10,292.1	10,308.6	10,292.1	21.0	14.6	-95.69	7.4	-2,568.5	883.9	848.1	35.80	24.687	
10,600.0	10,392.1	10,408.6	10,392.1	21.0	14.7	-95.69	7.4	-2,568.5	883.9	848.0	35.93	24.602	
10,700.0	10,492.1	10,508.6	10,492.1	21.1	14.8	-95.69	7.4	-2,568.5	883.9	847.8	36.05	24.518	
10,800.0	10,592.1	10,608.6	10,592.1	21.1	14.9	-95.69	7.4	-2,568.5	883.9	847.7	36.18	24.434	
10,900.0	10,692.1	10,708.6	10,692.1	21.2	14.9	-95.69	7.4	-2,568.5	883.9	847.6	36.30	24.350	
11,000.0	10,792.1	10,808.6	10,792.1	21.2	15.0	-95.69	7.4	-2,568.5	883.9	847.5	36.42	24.267	
11,100.0	10,892.1	10,908.6	10,892.1	21.3	15.1	-95.69	7.4	-2,568.5	883.9	847.3	36.55	24.184	
11,200.0	10,992.1	11,008.6	10,992.1	21.3	15.2	-95.69	7.4	-2,568.5	883.9	847.2	36.67	24.102	
11,300.0	11,092.1	11,108.6	11,092.1	21.4	15.3	-95.69	7.4	-2,568.5	883.9	847.1	36.80	24.020	
11,400.0	11,192.1	11,208.6	11,192.1	21.4	15.4	-95.69	7.4	-2,568.5	883.9	847.0	36.92	23.938	
11,500.0	11,292.1	11,308.6	11,292.1	21.5	15.5	-95.69	7.4	-2,568.5	883.9	846.8	37.05	23.857	
11,600.0	11,392.1	11,408.6	11,392.1	21.5	15.6	-95.69	7.4	-2,568.5	883.9	846.7	37.18	23.776	
11,700.0	11,492.1	11,508.6	11,492.1	21.6	15.6	-95.69	7.4	-2,568.5	883.9	846.6	37.30	23.695	
11,800.0	11,592.1	11,608.6	11,592.1	21.6	15.7	-95.69	7.4	-2,568.5	883.9	846.5	37.43	23.615	
11,900.0	11,692.1	11,708.6	11,692.1	21.7	15.8	-95.69	7.4	-2,568.5	883.9	846.3	37.56	23.535	
12,000.0	11,792.1	11,808.6	11,792.1	21.7	15.9	-95.69	7.4	-2,568.5	883.9	846.2	37.68	23.456	
12,100.0	11,892.1	11,908.6	11,892.1	21.7	16.0	-95.69	7.4	-2,568.5	883.9	846.1	37.81	23.376	
12,200.0	11,992.1	12,008.6	11,992.1	21.8	16.1	-95.69	7.4	-2,568.5	883.9	846.0	37.94	23.298	
12,300.0	12,092.1	12,108.6	12,092.1	21.8	16.2	-95.69	7.4	-2,568.5	883.9	845.8	38.07	23.219	
12,400.0	12,192.1	12,208.6	12,192.1	21.9	16.2	-95.69	7.4	-2,568.5	883.9	845.7	38.20	23.142	
12,480.4	12,272.5	12,289.0	12,272.5	21.9	16.3	-95.69	7.4	-2,568.5	883.9	845.6	38.29	23.087	
12,500.0	12,292.1	12,305.8	12,289.3	21.9	16.3	84.89	7.1	-2,568.5	883.9	845.6	38.29	23.087	
12,525.0	12,317.0	12,327.2	12,310.7	21.9	16.3	84.90	5.9	-2,568.5	883.9	845.6	38.28	23.091	
12,550.0	12,341.8	12,350.0	12,333.4	21.9	16.3	84.93	3.5	-2,568.5	883.8	845.6	38.27	23.095	
12,575.0	12,366.5	12,370.2	12,353.3	21.9	16.3	84.97	0.5	-2,568.5	883.8	845.5	38.26	23.099	
12,600.0	12,390.8	12,391.7	12,374.5	21.9	16.3	85.02	-3.6	-2,568.4	883.7	845.5	38.25	23.104	
12,625.0	12,414.9	12,413.3	12,395.4	21.9	16.3	85.09	-8.7	-2,568.4	883.6	845.4	38.24	23.108	
12,650.0	12,438.5	12,434.8	12,416.1	21.9	16.3	85.16	-14.7	-2,568.3	883.5	845.3	38.23	23.112	
12,675.0	12,461.7	12,456.5	12,436.6	21.9	16.2	85.25	-21.7	-2,568.3	883.4	845.2	38.22	23.115	
12,700.0	12,484.4	12,478.1	12,456.7	21.9	16.2	85.35	-29.6	-2,568.2	883.3	845.1	38.21	23.119	
12,725.0	12,506.5	12,500.0	12,476.7	21.9	16.2	85.46	-38.5	-2,568.1	883.2	845.0	38.20	23.122	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 802H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR

Offset Well Error: 0.0 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
12,750.0	12,528.0	12,521.6	12,496.0	21.9	16.2	85.58	-48.1	-2,568.0	883.0	844.8	38.19	23.124	
12,775.0	12,548.7	12,543.5	12,515.1	21.9	16.2	85.71	-58.8	-2,567.9	882.9	844.7	38.18	23.127	
12,800.0	12,568.8	12,565.4	12,533.7	21.9	16.2	85.86	-70.4	-2,567.8	882.7	844.5	38.17	23.128	
12,825.0	12,587.9	12,587.4	12,551.8	21.9	16.2	86.01	-82.8	-2,567.7	882.5	844.4	38.16	23.129	
12,850.0	12,606.3	12,609.5	12,569.4	21.9	16.2	86.17	-96.2	-2,567.5	882.4	844.2	38.15	23.128	
12,875.0	12,623.7	12,631.6	12,586.5	21.9	16.2	86.35	-110.3	-2,567.4	882.2	844.0	38.15	23.127	
12,900.0	12,640.1	12,653.9	12,602.9	21.9	16.2	86.53	-125.4	-2,567.2	882.0	843.9	38.14	23.124	
12,925.0	12,655.6	12,676.3	12,618.7	21.9	16.2	86.72	-141.2	-2,567.1	881.8	843.7	38.14	23.120	
12,950.0	12,670.0	12,698.8	12,633.8	21.9	16.2	86.92	-157.9	-2,566.9	881.7	843.5	38.14	23.115	
12,975.0	12,683.3	12,721.4	12,648.2	22.0	16.2	87.12	-175.3	-2,566.7	881.5	843.4	38.15	23.108	
13,000.0	12,695.4	12,744.1	12,661.8	22.0	16.2	87.34	-193.6	-2,566.5	881.3	843.2	38.16	23.098	
13,025.0	12,706.5	12,767.0	12,674.6	22.0	16.2	87.56	-212.5	-2,566.4	881.2	843.0	38.17	23.087	
13,050.0	12,716.3	12,790.0	12,686.5	22.1	16.2	87.79	-232.2	-2,566.2	881.0	842.9	38.18	23.074	
13,075.0	12,724.9	12,813.1	12,697.5	22.1	16.3	88.02	-252.5	-2,566.0	880.9	842.7	38.20	23.058	
13,100.0	12,732.3	12,836.4	12,707.7	22.2	16.3	88.26	-273.5	-2,565.8	880.8	842.6	38.23	23.040	
13,125.0	12,738.4	12,859.9	12,716.8	22.2	16.3	88.51	-295.1	-2,565.5	880.7	842.4	38.26	23.020	
13,150.0	12,743.2	12,883.6	12,724.9	22.3	16.3	88.76	-317.4	-2,565.3	880.6	842.3	38.29	22.997	
13,175.0	12,746.8	12,907.4	12,731.9	22.3	16.3	89.01	-340.1	-2,565.1	880.5	842.2	38.33	22.972	
13,200.0	12,749.0	12,931.4	12,737.9	22.4	16.3	89.27	-363.4	-2,564.9	880.5	842.1	38.37	22.945	
13,225.0	12,749.9	12,955.6	12,742.7	22.4	16.4	89.53	-387.1	-2,564.6	880.4	842.0	38.42	22.915	
13,230.4	12,750.0	12,960.9	12,743.6	22.5	16.4	89.59	-392.3	-2,564.6	880.4	842.0	38.43	22.909	
13,284.5	12,750.0	13,014.2	12,749.3	22.6	16.4	89.96	-445.3	-2,564.0	880.4	841.8	38.56	22.832	
13,300.0	12,750.0	13,029.7	12,749.9	22.7	16.4	89.99	-460.8	-2,563.9	880.4	841.8	38.60	22.809	
13,320.0	12,750.0	13,049.7	12,750.0	22.7	16.5	90.00	-480.8	-2,563.7	880.4	841.7	38.66	22.772	
13,400.0	12,750.0	13,129.7	12,750.0	22.9	16.6	90.00	-560.8	-2,562.9	880.4	841.4	38.93	22.614	
13,500.0	12,750.0	13,229.7	12,750.0	23.3	16.8	90.00	-660.8	-2,561.9	880.4	841.0	39.34	22.380	
13,600.0	12,750.0	13,329.7	12,750.0	23.6	17.1	90.00	-760.8	-2,560.9	880.4	840.6	39.81	22.112	
13,700.0	12,750.0	13,429.7	12,750.0	23.9	17.4	90.00	-860.8	-2,559.9	880.4	840.0	40.36	21.815	
13,800.0	12,750.0	13,529.7	12,750.0	24.3	17.7	90.00	-960.8	-2,558.9	880.4	839.4	40.96	21.492	
13,900.0	12,750.0	13,629.7	12,750.0	24.7	18.1	90.00	-1,060.8	-2,557.9	880.4	838.7	41.63	21.148	
14,000.0	12,750.0	13,729.7	12,750.0	25.1	18.5	90.00	-1,160.7	-2,556.9	880.4	838.0	42.35	20.786	
14,100.0	12,750.0	13,829.7	12,750.0	25.5	18.9	90.00	-1,260.7	-2,555.9	880.4	837.2	43.13	20.410	
14,200.0	12,750.0	13,929.7	12,750.0	25.9	19.4	90.00	-1,360.7	-2,554.9	880.4	836.4	43.97	20.024	
14,300.0	12,750.0	14,029.7	12,750.0	26.4	19.9	90.00	-1,460.7	-2,553.9	880.4	835.5	44.85	19.631	
14,400.0	12,750.0	14,129.7	12,750.0	26.8	20.4	90.00	-1,560.7	-2,552.9	880.4	834.6	45.77	19.233	
14,500.0	12,750.0	14,229.7	12,750.0	27.3	20.9	90.00	-1,660.7	-2,552.0	880.4	833.6	46.75	18.834	
14,600.0	12,750.0	14,329.7	12,750.0	27.8	21.5	90.00	-1,760.7	-2,551.0	880.4	832.6	47.76	18.435	
14,700.0	12,750.0	14,429.7	12,750.0	28.3	22.0	90.00	-1,860.7	-2,550.0	880.4	831.6	48.81	18.038	
14,800.0	12,750.0	14,529.7	12,750.0	28.8	22.6	90.00	-1,960.7	-2,549.0	880.4	830.5	49.89	17.646	
14,900.0	12,750.0	14,629.7	12,750.0	29.4	23.3	90.00	-2,060.7	-2,548.0	880.4	829.4	51.01	17.258	
15,000.0	12,750.0	14,729.7	12,750.0	29.9	23.9	90.00	-2,160.7	-2,547.0	880.4	828.2	52.16	16.878	
15,100.0	12,750.0	14,829.7	12,750.0	30.5	24.5	90.00	-2,260.7	-2,546.0	880.4	827.0	53.34	16.504	
15,200.0	12,750.0	14,929.7	12,750.0	31.0	25.2	90.00	-2,360.7	-2,545.0	880.4	825.8	54.55	16.139	
15,300.0	12,750.0	15,029.7	12,750.0	31.6	25.8	90.00	-2,460.7	-2,544.0	880.4	824.6	55.78	15.783	
15,400.0	12,750.0	15,129.7	12,750.0	32.2	26.5	90.00	-2,560.7	-2,543.0	880.4	823.3	57.04	15.435	
15,500.0	12,750.0	15,229.7	12,750.0	32.8	27.2	90.00	-2,660.7	-2,542.0	880.4	822.1	58.32	15.096	
15,600.0	12,750.0	15,329.7	12,750.0	33.4	27.9	90.00	-2,760.7	-2,541.0	880.4	820.8	59.62	14.767	
15,700.0	12,750.0	15,429.7	12,750.0	34.1	28.6	90.00	-2,860.7	-2,540.0	880.4	819.4	60.94	14.447	
15,800.0	12,750.0	15,529.7	12,750.0	34.7	29.3	90.00	-2,960.7	-2,539.0	880.4	818.1	62.27	14.137	
15,840.0	12,750.0	15,569.7	12,750.0	35.0	29.6	90.00	-3,000.7	-2,538.6	880.4	817.6	62.82	14.015	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 802H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Rule Assigned: No-Go Distance (usft)	Separation Factor	Warning
15,900.0	12,750.0	15,629.7	12,750.0	35.3	30.0	90.00	-3,060.7	-2,538.0	880.4	816.7	63.63	13.836	
16,000.0	12,750.0	15,729.7	12,750.0	36.0	30.8	90.00	-3,160.6	-2,537.0	880.4	815.4	65.00	13.544	
16,100.0	12,750.0	15,829.7	12,750.0	36.6	31.5	90.00	-3,260.6	-2,536.0	880.4	814.0	66.39	13.262	
16,200.0	12,750.0	15,929.7	12,750.0	37.3	32.2	90.00	-3,360.6	-2,535.0	880.4	812.6	67.79	12.988	
16,300.0	12,750.0	16,029.7	12,750.0	38.0	33.0	90.00	-3,460.6	-2,534.0	880.4	811.2	69.20	12.722	
16,400.0	12,750.0	16,129.7	12,750.0	38.7	33.7	90.00	-3,560.6	-2,533.1	880.4	809.8	70.62	12.466	
16,500.0	12,750.0	16,229.7	12,750.0	39.4	34.5	90.00	-3,660.6	-2,532.1	880.4	808.3	72.06	12.217	
16,600.0	12,750.0	16,329.7	12,750.0	40.0	35.3	90.00	-3,760.6	-2,531.1	880.4	806.9	73.51	11.976	
16,700.0	12,750.0	16,429.7	12,750.0	40.7	36.0	90.00	-3,860.6	-2,530.1	880.4	805.4	74.97	11.743	
16,800.0	12,750.0	16,529.7	12,750.0	41.4	36.8	90.00	-3,960.6	-2,529.1	880.4	803.9	76.44	11.518	
16,900.0	12,750.0	16,629.7	12,750.0	42.2	37.6	90.00	-4,060.6	-2,528.1	880.4	802.5	77.92	11.299	
17,000.0	12,750.0	16,729.7	12,750.0	42.9	38.4	90.00	-4,160.6	-2,527.1	880.4	801.0	79.40	11.088	
17,100.0	12,750.0	16,829.7	12,750.0	43.6	39.1	90.00	-4,260.6	-2,526.1	880.4	799.5	80.90	10.883	
17,200.0	12,750.0	16,929.7	12,750.0	44.3	39.9	90.00	-4,360.6	-2,525.1	880.4	798.0	82.40	10.684	
17,300.0	12,750.0	17,029.7	12,750.0	45.0	40.7	90.00	-4,460.6	-2,524.1	880.4	796.5	83.91	10.492	
17,400.0	12,750.0	17,129.7	12,750.0	45.8	41.5	90.00	-4,560.6	-2,523.1	880.4	795.0	85.43	10.306	
17,500.0	12,750.0	17,229.7	12,750.0	46.5	42.3	90.00	-4,660.6	-2,522.1	880.4	793.4	86.95	10.125	
17,600.0	12,750.0	17,329.7	12,750.0	47.3	43.1	90.00	-4,760.6	-2,521.1	880.4	791.9	88.48	9.950	
17,700.0	12,750.0	17,429.7	12,750.0	48.0	43.9	90.00	-4,860.6	-2,520.1	880.4	790.4	90.01	9.780	
17,800.0	12,750.0	17,529.7	12,750.0	48.7	44.7	90.00	-4,960.6	-2,519.1	880.4	788.8	91.56	9.616	
17,900.0	12,750.0	17,629.7	12,750.0	49.5	45.5	90.00	-5,060.6	-2,518.1	880.4	787.3	93.10	9.456	
18,000.0	12,750.0	17,729.7	12,750.0	50.3	46.3	90.00	-5,160.6	-2,517.1	880.4	785.7	94.65	9.301	
18,100.0	12,750.0	17,829.7	12,750.0	51.0	47.1	90.00	-5,260.5	-2,516.1	880.4	784.2	96.21	9.151	
18,200.0	12,750.0	17,929.7	12,750.0	51.8	47.9	90.00	-5,360.5	-2,515.1	880.4	782.6	97.77	9.004	
18,300.0	12,750.0	18,029.7	12,750.0	52.5	48.7	90.00	-5,460.5	-2,514.1	880.4	781.0	99.34	8.863	
18,400.0	12,750.0	18,129.7	12,750.0	53.3	49.5	90.00	-5,560.5	-2,513.2	880.4	779.5	100.91	8.725	
18,500.0	12,750.0	18,229.7	12,750.0	54.1	50.3	90.00	-5,660.5	-2,512.2	880.4	777.9	102.48	8.591	
18,600.0	12,750.0	18,329.7	12,750.0	54.9	51.1	90.00	-5,760.5	-2,511.2	880.4	776.3	104.06	8.460	
18,700.0	12,750.0	18,429.7	12,750.0	55.6	52.0	90.00	-5,860.5	-2,510.2	880.4	774.7	105.64	8.334	
18,800.0	12,750.0	18,529.7	12,750.0	56.4	52.8	90.00	-5,960.5	-2,509.2	880.4	773.2	107.22	8.211	
18,900.0	12,750.0	18,629.7	12,750.0	57.2	53.6	90.00	-6,060.5	-2,508.2	880.4	771.6	108.81	8.091	
19,000.0	12,750.0	18,729.7	12,750.0	58.0	54.4	90.00	-6,160.5	-2,507.2	880.4	770.0	110.40	7.974	
19,100.0	12,750.0	18,829.7	12,750.0	58.7	55.2	90.00	-6,260.5	-2,506.2	880.4	768.4	112.00	7.861	
19,200.0	12,750.0	18,929.7	12,750.0	59.5	56.1	90.00	-6,360.5	-2,505.2	880.4	766.8	113.59	7.750	
19,300.0	12,750.0	19,029.7	12,750.0	60.3	56.9	90.00	-6,460.5	-2,504.2	880.4	765.2	115.19	7.643	
19,400.0	12,750.0	19,129.7	12,750.0	61.1	57.7	90.00	-6,560.5	-2,503.2	880.4	763.6	116.80	7.538	
19,500.0	12,750.0	19,229.7	12,750.0	61.9	58.5	90.00	-6,660.5	-2,502.2	880.4	762.0	118.40	7.436	
19,600.0	12,750.0	19,329.7	12,750.0	62.7	59.4	90.00	-6,760.5	-2,501.2	880.4	760.4	120.01	7.336	
19,700.0	12,750.0	19,429.7	12,750.0	63.5	60.2	90.00	-6,860.5	-2,500.2	880.4	758.8	121.62	7.239	
19,800.0	12,750.0	19,529.7	12,750.0	64.3	61.0	90.00	-6,960.5	-2,499.2	880.4	757.1	123.23	7.144	
19,900.0	12,750.0	19,629.7	12,750.0	65.1	61.8	90.00	-7,060.5	-2,498.2	880.4	755.5	124.84	7.052	
20,000.0	12,750.0	19,729.7	12,750.0	65.9	62.7	90.00	-7,160.5	-2,497.2	880.4	753.9	126.46	6.962	
20,100.0	12,750.0	19,829.7	12,750.0	66.7	63.5	90.00	-7,260.4	-2,496.2	880.4	752.3	128.08	6.874	
20,200.0	12,750.0	19,929.7	12,750.0	67.5	64.3	90.00	-7,360.4	-2,495.2	880.4	750.7	129.70	6.788	
20,300.0	12,750.0	20,029.7	12,750.0	68.3	65.2	90.00	-7,460.4	-2,494.3	880.4	749.1	131.32	6.704	
20,400.0	12,750.0	20,129.7	12,750.0	69.1	66.0	90.00	-7,560.4	-2,493.3	880.4	747.4	132.95	6.622	
20,500.0	12,750.0	20,229.7	12,750.0	69.9	66.8	90.00	-7,660.4	-2,492.3	880.4	745.8	134.57	6.542	
20,600.0	12,750.0	20,329.7	12,750.0	70.7	67.7	90.00	-7,760.4	-2,491.3	880.4	744.2	136.20	6.464	
20,700.0	12,750.0	20,429.7	12,750.0	71.5	68.5	90.00	-7,860.4	-2,490.3	880.4	742.5	137.83	6.387	
20,800.0	12,750.0	20,529.7	12,750.0	72.3	69.3	90.00	-7,960.4	-2,489.3	880.4	740.9	139.46	6.313	
20,900.0	12,750.0	20,629.7	12,750.0	73.1	70.2	90.00	-8,060.4	-2,488.3	880.4	739.3	141.09	6.240	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 802H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
21,000.0	12,750.0	20,729.7	12,750.0	74.0	71.0	90.00	-8,160.4	-2,487.3	880.4	737.7	142.72	6.168	
21,100.0	12,750.0	20,829.7	12,750.0	74.8	71.8	90.00	-8,260.4	-2,486.3	880.4	736.0	144.36	6.098	
21,200.0	12,750.0	20,929.7	12,750.0	75.6	72.7	90.00	-8,360.4	-2,485.3	880.4	734.4	146.00	6.030	
21,300.0	12,750.0	21,029.7	12,750.0	76.4	73.5	90.00	-8,460.4	-2,484.3	880.4	732.7	147.63	5.963	
21,400.0	12,750.0	21,129.7	12,750.0	77.2	74.4	90.00	-8,560.4	-2,483.3	880.4	731.1	149.27	5.898	
21,500.0	12,750.0	21,229.7	12,750.0	78.0	75.2	90.00	-8,660.4	-2,482.3	880.4	729.5	150.91	5.834	
21,600.0	12,750.0	21,329.7	12,750.0	78.8	76.0	90.00	-8,760.4	-2,481.3	880.4	727.8	152.55	5.771	
21,700.0	12,750.0	21,429.7	12,750.0	79.7	76.9	90.00	-8,860.4	-2,480.3	880.4	726.2	154.20	5.709	
21,800.0	12,750.0	21,529.7	12,750.0	80.5	77.7	90.00	-8,960.4	-2,479.3	880.4	724.5	155.84	5.649	
21,900.0	12,750.0	21,629.7	12,750.0	81.3	78.6	90.00	-9,060.4	-2,478.3	880.4	722.9	157.49	5.590	
22,000.0	12,750.0	21,729.7	12,750.0	82.1	79.4	90.00	-9,160.4	-2,477.3	880.4	721.2	159.13	5.532	
22,100.0	12,750.0	21,829.7	12,750.0	82.9	80.2	90.00	-9,260.3	-2,476.3	880.4	719.6	160.78	5.476	
22,200.0	12,750.0	21,929.7	12,750.0	83.8	81.1	90.00	-9,360.3	-2,475.4	880.4	718.0	162.43	5.420	
22,300.0	12,750.0	22,029.7	12,750.0	84.6	81.9	90.00	-9,460.3	-2,474.4	880.4	716.3	164.07	5.366	
22,400.0	12,750.0	22,129.7	12,750.0	85.4	82.8	90.00	-9,560.3	-2,473.4	880.4	714.7	165.72	5.312	
22,500.0	12,750.0	22,229.7	12,750.0	86.2	83.6	90.00	-9,660.3	-2,472.4	880.4	713.0	167.37	5.260	
22,600.0	12,750.0	22,329.7	12,750.0	87.1	84.5	90.00	-9,760.3	-2,471.4	880.4	711.4	169.03	5.209	
22,700.0	12,750.0	22,429.7	12,750.0	87.9	85.3	90.00	-9,860.3	-2,470.4	880.4	709.7	170.68	5.158	
22,800.0	12,750.0	22,529.7	12,750.0	88.7	86.1	90.00	-9,960.3	-2,469.4	880.4	708.0	172.33	5.109	
22,900.0	12,750.0	22,629.7	12,750.0	89.5	87.0	90.00	-10,060.3	-2,468.4	880.4	706.4	173.98	5.060	
23,000.0	12,750.0	22,729.7	12,750.0	90.4	87.8	90.00	-10,160.3	-2,467.4	880.4	704.7	175.64	5.012	
23,100.0	12,750.0	22,829.7	12,750.0	91.2	88.7	90.00	-10,260.3	-2,466.4	880.4	703.1	177.29	4.966	
23,200.0	12,750.0	22,929.7	12,750.0	92.0	89.5	90.00	-10,360.3	-2,465.4	880.4	701.4	178.95	4.920	
23,300.0	12,750.0	23,029.7	12,750.0	92.9	90.4	90.00	-10,460.3	-2,464.4	880.4	699.8	180.61	4.875	
23,400.0	12,750.0	23,129.7	12,750.0	93.7	91.2	90.00	-10,560.3	-2,463.4	880.4	698.1	182.26	4.830	
23,500.0	12,750.0	23,229.7	12,750.0	94.5	92.1	90.00	-10,660.3	-2,462.4	880.4	696.5	183.92	4.787	
23,600.0	12,750.0	23,329.7	12,750.0	95.4	92.9	90.00	-10,760.3	-2,461.4	880.4	694.8	185.58	4.744	
23,700.0	12,750.0	23,429.7	12,750.0	96.2	93.7	90.00	-10,860.3	-2,460.4	880.4	693.1	187.24	4.702	
23,800.0	12,750.0	23,529.7	12,750.0	97.0	94.6	90.00	-10,960.3	-2,459.4	880.4	691.5	188.90	4.661	
23,900.0	12,750.0	23,629.7	12,750.0	97.8	95.4	90.00	-11,060.3	-2,458.4	880.4	689.8	190.56	4.620	
24,000.0	12,750.0	23,729.7	12,750.0	98.7	96.3	90.00	-11,160.3	-2,457.4	880.4	688.2	192.22	4.580	
24,100.0	12,750.0	23,829.7	12,750.0	99.5	97.1	90.00	-11,260.2	-2,456.5	878.6	684.7	193.89	4.532	
24,128.5	12,750.0	23,858.2	12,750.0	99.8	97.4	90.00	-11,288.7	-2,456.2	877.5	683.1	194.36	4.515	
24,200.0	12,750.0	23,929.6	12,750.0	100.3	98.0	90.00	-11,360.1	-2,455.5	874.3	678.7	195.54	4.471	
24,300.0	12,750.0	24,029.5	12,750.0	101.2	98.8	90.00	-11,460.0	-2,454.5	869.8	672.6	197.20	4.411	
24,378.5	12,750.0	24,107.9	12,750.0	101.8	99.5	90.00	-11,538.4	-2,453.7	866.3	667.8	198.50	4.364	
24,400.0	12,750.0	24,129.4	12,750.0	102.0	99.7	90.00	-11,559.9	-2,453.5	865.4	666.5	198.86	4.352	
24,500.0	12,750.0	24,229.3	12,750.0	102.9	100.5	90.00	-11,659.8	-2,452.5	863.4	662.9	200.53	4.306	
24,507.0	12,750.0	24,236.4	12,750.0	102.9	100.6	90.00	-11,666.9	-2,452.4	863.4	662.8	200.64	4.303	
24,600.0	12,750.0	24,329.4	12,750.0	103.7	101.4	90.00	-11,759.9	-2,451.5	863.4	661.2	202.19	4.270	
24,700.0	12,750.0	24,429.4	12,750.0	104.5	102.2	90.00	-11,859.9	-2,450.5	863.4	659.5	203.86	4.235	
24,800.0	12,750.0	24,529.4	12,750.0	105.4	103.1	90.00	-11,959.9	-2,449.5	863.4	657.9	205.52	4.201 CC	
24,900.0	12,750.0	24,629.4	12,750.0	106.2	103.9	90.00	-12,059.9	-2,448.5	863.4	656.2	207.19	4.167	
25,000.0	12,750.0	24,729.4	12,750.0	107.0	104.8	90.00	-12,159.9	-2,447.5	863.4	654.6	208.85	4.134	
25,100.0	12,750.0	24,829.4	12,750.0	107.9	105.6	90.00	-12,259.9	-2,446.5	863.4	652.9	210.52	4.101	
25,200.0	12,750.0	24,929.4	12,750.0	108.7	106.5	90.00	-12,359.9	-2,445.5	863.4	651.2	212.19	4.069	
25,300.0	12,750.0	25,029.4	12,750.0	109.5	107.3	90.00	-12,459.9	-2,444.5	863.4	649.5	213.86	4.037	
25,400.0	12,750.0	25,129.4	12,750.0	110.4	108.2	90.00	-12,559.8	-2,443.5	863.4	647.9	215.52	4.006	
25,500.0	12,750.0	25,229.4	12,750.0	111.2	109.0	90.00	-12,659.8	-2,442.5	863.4	646.2	217.19	3.975	
25,600.0	12,750.0	25,329.4	12,750.0	112.1	109.8	90.00	-12,759.8	-2,441.5	863.4	644.5	218.86	3.945	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 802H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
25,699.9	12,750.0	25,429.3	12,750.0	112.9	110.7	90.00	-12,859.8	-2,440.5	863.4	642.9	220.53	3.915	
25,707.0	12,750.0	25,436.4	12,750.0	113.0	110.8	90.00	-12,866.8	-2,440.5	863.4	642.8	220.65	3.913	
25,800.0	12,750.0	25,529.4	12,750.0	113.7	111.5	90.00	-12,959.8	-2,439.5	864.9	642.7	222.20	3.892 ES	
25,828.5	12,750.0	25,557.9	12,750.0	114.0	111.8	90.00	-12,988.3	-2,439.3	866.0	643.3	222.68	3.889	
25,900.0	12,750.0	25,629.3	12,750.0	114.6	112.4	90.00	-13,059.7	-2,438.5	869.0	645.1	223.87	3.882	
26,000.0	12,750.0	25,729.2	12,750.0	115.4	113.2	90.00	-13,159.6	-2,437.6	873.3	647.7	225.54	3.872	
26,078.5	12,750.0	25,807.6	12,750.0	116.1	113.9	90.00	-13,238.1	-2,436.8	876.6	649.7	226.86	3.864	
26,100.0	12,750.0	25,810.0	12,750.0	116.3	113.9	90.00	-13,240.4	-2,436.7	877.6	650.4	227.26	3.862 SF	
26,200.0	12,750.0	25,810.0	12,750.0	117.1	113.9	90.00	-13,240.4	-2,436.7	887.2	659.6	227.60	3.898	
26,284.3	12,750.0	25,810.0	12,750.0	117.7	113.9	90.00	-13,240.4	-2,436.7	902.4	676.4	226.02	3.993	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 804H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	89.63	0.2	29.7	29.7				
100.0	100.0	100.0	100.0	0.8	0.8	89.63	0.2	29.7	29.7	27.7	1.99	14.925	
200.0	200.0	200.0	200.0	1.4	1.4	89.63	0.2	29.7	29.7	26.4	3.31	8.974	
300.0	300.0	300.0	300.0	1.9	1.9	89.63	0.2	29.7	29.7	25.5	4.20	7.084	
400.0	400.0	400.0	400.0	2.2	2.2	89.63	0.2	29.7	29.7	24.8	4.91	6.050	
500.0	500.0	500.0	500.0	2.6	2.6	89.63	0.2	29.7	29.7	24.2	5.53	5.371	
600.0	600.0	600.0	600.0	2.8	2.8	89.63	0.2	29.7	29.7	23.6	6.09	4.880	
700.0	700.0	700.0	700.0	3.1	3.1	89.63	0.2	29.7	29.7	23.1	6.60	4.502	
800.0	800.0	800.0	800.0	3.3	3.3	89.63	0.2	29.7	29.7	22.6	7.08	4.200	
900.0	900.0	900.0	900.0	3.6	3.6	89.63	0.2	29.7	29.7	22.2	7.52	3.950	
1,000.0	1,000.0	1,000.0	1,000.0	3.8	3.8	89.63	0.2	29.7	29.7	21.8	7.95	3.739	
1,100.0	1,100.0	1,100.0	1,100.0	4.0	4.0	89.63	0.2	29.7	29.7	21.4	8.35	3.558	
1,200.0	1,200.0	1,200.0	1,200.0	4.2	4.2	89.63	0.2	29.7	29.7	21.0	8.74	3.401	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	89.63	0.2	29.7	29.7	20.6	9.11	3.261	
1,400.0	1,400.0	1,400.0	1,400.0	4.6	4.6	89.63	0.2	29.7	29.7	20.2	9.47	3.137	
1,500.0	1,500.0	1,500.0	1,500.0	4.7	4.7	89.63	0.2	29.7	29.7	19.9	9.82	3.026	
1,600.0	1,600.0	1,600.0	1,600.0	4.9	4.9	89.63	0.2	29.7	29.7	19.6	10.16	2.924	Normal Operations
1,700.0	1,700.0	1,700.0	1,700.0	5.1	5.1	89.63	0.2	29.7	29.7	19.2	10.49	2.832	Normal Operations
1,800.0	1,800.0	1,800.0	1,800.0	5.2	5.2	89.63	0.2	29.7	29.7	18.9	10.82	2.748	Normal Operations
1,900.0	1,900.0	1,900.0	1,900.0	5.4	5.4	89.63	0.2	29.7	29.7	18.6	11.13	2.670	Normal Operations
2,000.0	2,000.0	2,000.0	2,000.0	5.6	5.6	89.63	0.2	29.7	29.7	18.3	11.44	2.598	Normal Operations
2,100.0	2,100.0	2,101.0	2,101.0	5.8	5.8	176.52	0.2	27.9	29.7	17.8	11.89	2.498	Caution - Monitor Closely
2,200.0	2,199.8	2,202.1	2,201.9	6.0	6.0	176.84	0.4	22.6	29.6	17.3	12.30	2.410	Caution - Monitor Closely
2,300.0	2,299.5	2,303.1	2,302.6	6.2	6.2	177.39	0.6	13.7	29.5	16.8	12.69	2.328	Caution - Monitor Closely
2,400.0	2,398.7	2,404.2	2,402.8	6.4	6.4	178.16	0.9	1.3	29.4	16.3	13.07	2.250	Caution - Monitor Closely
2,500.0	2,497.5	2,505.2	2,502.6	6.6	6.6	179.16	1.3	-14.7	29.2	15.8	13.43	2.176	Caution - Monitor Closely
2,569.7	2,566.0	2,575.6	2,571.7	6.8	6.7	179.99	1.6	-27.9	29.1	15.5	13.62	2.137	Caution - Monitor Closely, CC, ES
2,600.0	2,595.6	2,605.9	2,601.4	6.8	6.7	-179.63	1.7	-33.9	29.3	15.6	13.71	2.135	Caution - Monitor Closely, SF
2,700.0	2,693.1	2,705.8	2,699.4	7.0	6.9	-178.52	2.2	-53.6	32.1	18.0	14.06	2.282	Caution - Monitor Closely
2,742.5	2,734.2	2,748.3	2,741.0	7.1	6.9	-178.17	2.4	-62.0	34.3	20.2	14.15	2.426	Caution - Monitor Closely
2,800.0	2,789.8	2,805.7	2,797.2	7.1	7.0	-177.78	2.7	-73.4	37.8	23.5	14.29	2.646	Normal Operations
2,900.0	2,886.5	2,905.5	2,895.1	7.3	7.2	-177.25	3.1	-93.1	43.9	29.3	14.58	3.008	
3,000.0	2,983.1	3,005.3	2,992.9	7.4	7.3	-176.85	3.6	-112.8	49.9	35.0	14.88	3.354	
3,100.0	3,079.8	3,105.1	3,090.8	7.6	7.4	-176.54	4.1	-132.5	56.0	40.8	15.19	3.685	
3,200.0	3,176.4	3,204.9	3,188.6	7.7	7.6	-176.29	4.6	-152.2	62.0	46.5	15.50	4.000	
3,300.0	3,273.1	3,304.7	3,286.5	7.9	7.8	-176.08	5.0	-172.0	68.1	52.2	15.83	4.301	
3,400.0	3,369.8	3,404.5	3,384.3	8.0	7.9	-175.91	5.5	-191.7	74.1	58.0	16.15	4.589	
3,500.0	3,466.4	3,504.4	3,482.2	8.2	8.1	-175.76	6.0	-211.4	80.2	63.7	16.49	4.863	
3,600.0	3,563.1	3,604.2	3,580.0	8.4	8.2	-175.64	6.4	-231.1	86.2	69.4	16.83	5.125	
3,700.0	3,659.7	3,704.0	3,677.9	8.5	8.4	-175.53	6.9	-250.9	92.3	75.1	17.17	5.375	
3,800.0	3,756.4	3,803.8	3,775.7	8.7	8.6	-175.43	7.4	-270.6	98.4	80.8	17.52	5.614	
3,900.0	3,853.1	3,903.6	3,873.6	8.9	8.7	-175.35	7.9	-290.3	104.4	86.6	17.88	5.842	
4,000.0	3,949.7	4,003.4	3,971.4	9.1	8.9	-175.27	8.3	-310.0	110.5	92.3	18.23	6.059	
4,100.0	4,046.4	4,103.3	4,069.3	9.2	9.1	-175.20	8.8	-329.8	116.5	97.9	18.60	6.267	
4,200.0	4,143.0	4,203.1	4,167.1	9.4	9.3	-175.14	9.3	-349.5	122.6	103.6	18.96	6.466	
4,300.0	4,239.7	4,302.9	4,264.9	9.6	9.4	-175.09	9.7	-369.2	128.7	109.3	19.33	6.656	
4,400.0	4,336.4	4,402.7	4,362.8	9.8	9.6	-175.04	10.2	-388.9	134.7	115.0	19.70	6.837	
4,500.0	4,433.0	4,502.5	4,460.6	10.0	9.8	-174.99	10.7	-408.7	140.8	120.7	20.08	7.011	
4,600.0	4,529.7	4,602.3	4,558.5	10.2	10.0	-174.95	11.2	-428.4	146.8	126.4	20.46	7.178	
4,700.0	4,626.3	4,702.2	4,656.3	10.4	10.2	-174.91	11.6	-448.1	152.9	132.1	20.84	7.337	
4,800.0	4,723.0	4,802.0	4,754.2	10.6	10.3	-174.87	12.1	-467.8	159.0	137.7	21.22	7.490	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 804H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Rule Assigned: Distance Between Ellipses (usft)	Rule Assigned: No-Go Distance (usft)	Separation Factor	Warning
4,900.0	4,819.6	4,901.8	4,852.0	10.8	10.5	-174.84	12.6	-487.6	165.0	143.4	21.61	7.636	
5,000.0	4,916.3	5,001.6	4,949.9	11.0	10.7	-174.81	13.1	-507.3	171.1	149.1	22.00	7.777	
5,100.0	5,013.0	5,101.4	5,047.7	11.2	10.9	-174.78	13.5	-527.0	177.1	154.8	22.39	7.912	
5,200.0	5,109.6	5,201.2	5,145.6	11.4	11.1	-174.75	14.0	-546.7	183.2	160.4	22.78	8.041	
5,300.0	5,206.3	5,301.1	5,243.4	11.6	11.3	-174.73	14.5	-566.5	189.3	166.1	23.18	8.165	
5,400.0	5,302.9	5,400.9	5,341.3	11.8	11.5	-174.70	14.9	-586.2	195.3	171.8	23.58	8.285	
5,500.0	5,399.6	5,500.7	5,439.1	12.0	11.7	-174.68	15.4	-605.9	201.4	177.4	23.98	8.400	
5,600.0	5,496.3	5,600.5	5,537.0	12.2	11.9	-174.66	15.9	-625.6	207.5	183.1	24.38	8.510	
5,700.0	5,592.9	5,700.3	5,634.8	12.4	12.1	-174.64	16.4	-645.4	213.5	188.7	24.78	8.617	
5,800.0	5,689.6	5,800.1	5,732.6	12.6	12.3	-174.62	16.8	-665.1	219.6	194.4	25.18	8.719	
5,900.0	5,786.2	5,900.0	5,830.5	12.8	12.4	-174.60	17.3	-684.8	225.6	200.0	25.59	8.818	
6,000.0	5,882.9	5,997.4	5,926.1	13.1	12.6	-174.60	17.8	-703.8	232.0	206.1	25.96	8.937	
6,100.0	5,979.6	6,093.1	6,020.3	13.3	12.8	-174.64	18.2	-720.9	239.9	213.6	26.36	9.103	
6,200.0	6,076.2	6,188.6	6,114.5	13.5	13.0	-174.72	18.5	-736.5	249.5	222.8	26.75	9.329	
6,300.0	6,172.9	6,283.8	6,208.6	13.7	13.2	-174.84	18.9	-750.4	260.7	233.6	27.13	9.611	
6,400.0	6,269.5	6,378.6	6,302.6	13.9	13.3	-174.99	19.2	-762.7	273.6	246.1	27.50	9.948	
6,500.0	6,366.2	6,472.9	6,396.4	14.1	13.5	-175.16	19.4	-773.4	288.0	260.2	27.86	10.338	
6,600.0	6,462.9	6,566.8	6,489.8	14.4	13.7	-175.34	19.6	-782.5	304.1	275.9	28.22	10.778	
6,700.0	6,559.5	6,660.2	6,582.8	14.6	13.8	-175.54	19.8	-790.1	321.8	293.3	28.56	11.267	
6,800.0	6,656.2	6,752.9	6,675.4	14.8	14.0	-175.75	20.0	-796.1	341.1	312.2	28.90	11.804	
6,900.0	6,752.8	6,845.1	6,767.5	15.0	14.1	-175.96	20.1	-800.6	362.0	332.7	29.22	12.386	
7,000.0	6,849.5	6,936.6	6,858.9	15.2	14.2	-176.17	20.2	-803.5	384.4	354.9	29.54	13.014	
7,100.0	6,946.2	7,027.4	6,949.7	15.5	14.4	-176.37	20.2	-805.1	408.4	378.5	29.82	13.692	
7,200.0	7,042.8	7,120.5	7,042.8	15.7	14.4	-176.57	20.2	-805.3	433.7	403.6	30.08	14.419	
7,300.0	7,139.5	7,217.2	7,139.5	15.9	14.5	-176.76	20.2	-805.3	459.3	428.9	30.36	15.127	
7,400.0	7,236.1	7,313.9	7,236.1	16.1	14.5	-176.94	20.2	-805.3	484.9	454.3	30.64	15.824	
7,500.0	7,332.8	7,410.5	7,332.8	16.4	14.6	-177.09	20.2	-805.3	510.5	479.6	30.92	16.508	
7,600.0	7,429.5	7,507.2	7,429.5	16.6	14.7	-177.23	20.2	-805.3	536.1	504.9	31.21	17.179	
7,700.0	7,526.1	7,603.8	7,526.1	16.8	14.7	-177.35	20.2	-805.3	561.7	530.2	31.49	17.837	
7,800.0	7,622.8	7,700.5	7,622.8	17.0	14.8	-177.47	20.2	-805.3	587.3	555.5	31.78	18.483	
7,900.0	7,719.4	7,797.2	7,719.4	17.3	14.8	-177.58	20.2	-805.3	612.9	580.8	32.06	19.116	
8,000.0	7,816.1	7,893.8	7,816.1	17.5	14.9	-177.67	20.2	-805.3	638.5	606.2	32.35	19.737	
8,100.0	7,912.8	7,990.5	7,912.8	17.7	15.0	-177.76	20.2	-805.3	664.1	631.5	32.64	20.347	
8,200.0	8,009.4	8,087.1	8,009.4	17.9	15.0	-177.85	20.2	-805.3	689.7	656.8	32.93	20.945	
8,222.9	8,031.5	8,109.2	8,031.5	18.0	15.0	-177.86	20.2	-805.3	695.6	662.6	32.99	21.084	
8,300.0	8,106.2	8,183.9	8,106.2	18.1	15.1	-177.93	20.2	-805.3	714.9	681.6	33.21	21.526	
8,400.0	8,203.4	8,281.1	8,203.4	18.4	15.1	-178.00	20.2	-805.3	738.3	704.8	33.50	22.042	
8,500.0	8,301.0	8,378.7	8,301.0	18.6	15.2	-178.07	20.2	-805.3	760.1	726.3	33.78	22.500	
8,600.0	8,399.0	8,476.7	8,399.0	18.8	15.3	-178.12	20.2	-805.3	780.1	746.1	34.06	22.902	
8,700.0	8,497.3	8,575.0	8,497.3	19.0	15.3	-178.17	20.2	-805.3	798.5	764.2	34.34	23.251	
8,800.0	8,595.9	8,673.6	8,595.9	19.2	15.4	-178.22	20.2	-805.3	815.1	780.5	34.62	23.547	
8,900.0	8,694.8	8,772.5	8,694.8	19.4	15.4	-178.25	20.2	-805.3	830.0	795.1	34.89	23.792	
9,000.0	8,793.9	8,871.6	8,793.9	19.6	15.5	-178.28	20.2	-805.3	843.2	808.1	35.15	23.988	
9,100.0	8,893.2	8,970.9	8,893.2	19.8	15.6	-178.31	20.2	-805.3	854.7	819.3	35.41	24.136	
9,200.0	8,992.8	9,070.5	8,992.8	19.9	15.6	-178.33	20.2	-805.3	864.4	828.7	35.66	24.238	
9,300.0	9,092.4	9,170.1	9,092.4	20.1	15.7	-178.35	20.2	-805.3	872.4	836.5	35.91	24.295	
9,400.0	9,192.2	9,269.9	9,192.2	20.3	15.8	-178.36	20.2	-805.3	878.6	842.5	36.14	24.310	
9,500.0	9,292.1	9,369.8	9,292.1	20.4	15.8	-178.37	20.2	-805.3	883.1	846.7	36.37	24.284	
9,600.0	9,392.1	9,469.8	9,392.1	20.5	15.9	-178.38	20.2	-805.3	885.9	849.3	36.58	24.219	
9,700.0	9,492.1	9,569.8	9,492.1	20.6	16.0	-178.38	20.2	-805.3	886.9	850.1	36.73	24.143	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 804H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Rule Assigned: No-Go Distance (usft)	Separation Factor	Warning
9,707.9	9,500.0	9,577.7	9,500.0	20.6	16.0	94.84	20.2	-805.3	886.9	850.1	36.75	24.135	
9,800.0	9,592.1	9,669.8	9,592.1	20.7	16.0	94.84	20.2	-805.3	886.9	850.0	36.84	24.075	
9,900.0	9,692.1	9,769.8	9,692.1	20.7	16.1	94.84	20.2	-805.3	886.9	849.9	36.94	24.007	
10,000.0	9,792.1	9,869.8	9,792.1	20.8	16.2	94.84	20.2	-805.3	886.9	849.8	37.05	23.939	
10,100.0	9,892.1	9,969.8	9,892.1	20.8	16.2	94.84	20.2	-805.3	886.9	849.7	37.15	23.871	
10,200.0	9,992.1	10,069.8	9,992.1	20.8	16.3	94.84	20.2	-805.3	886.9	849.6	37.26	23.803	
10,300.0	10,092.1	10,169.8	10,092.1	20.9	16.4	94.84	20.2	-805.3	886.9	849.5	37.36	23.736	
10,400.0	10,192.1	10,269.8	10,192.1	20.9	16.4	94.84	20.2	-805.3	886.9	849.4	37.47	23.669	
10,500.0	10,292.1	10,369.8	10,292.1	21.0	16.5	94.84	20.2	-805.3	886.9	849.3	37.58	23.601	
10,600.0	10,392.1	10,469.8	10,392.1	21.0	16.6	94.84	20.2	-805.3	886.9	849.2	37.68	23.534	
10,700.0	10,492.1	10,569.8	10,492.1	21.1	16.6	94.84	20.2	-805.3	886.9	849.1	37.79	23.467	
10,800.0	10,592.1	10,669.8	10,592.1	21.1	16.7	94.84	20.2	-805.3	886.9	849.0	37.90	23.400	
10,900.0	10,692.1	10,769.8	10,692.1	21.2	16.8	94.84	20.2	-805.3	886.9	848.9	38.01	23.334	
11,000.0	10,792.1	10,869.8	10,792.1	21.2	16.8	94.84	20.2	-805.3	886.9	848.8	38.12	23.267	
11,100.0	10,892.1	10,969.8	10,892.1	21.3	16.9	94.84	20.2	-805.3	886.9	848.7	38.23	23.201	
11,200.0	10,992.1	11,069.8	10,992.1	21.3	17.0	94.84	20.2	-805.3	886.9	848.5	38.34	23.135	
11,300.0	11,092.1	11,169.8	11,092.1	21.4	17.0	94.84	20.2	-805.3	886.9	848.4	38.45	23.069	
11,400.0	11,192.1	11,269.8	11,192.1	21.4	17.1	94.84	20.2	-805.3	886.9	848.3	38.56	23.003	
11,500.0	11,292.1	11,369.8	11,292.1	21.5	17.2	94.84	20.2	-805.3	886.9	848.2	38.67	22.937	
11,600.0	11,392.1	11,469.8	11,392.1	21.5	17.2	94.84	20.2	-805.3	886.9	848.1	38.78	22.871	
11,700.0	11,492.1	11,569.8	11,492.1	21.6	17.3	94.84	20.2	-805.3	886.9	848.0	38.89	22.806	
11,800.0	11,592.1	11,669.8	11,592.1	21.6	17.4	94.84	20.2	-805.3	886.9	847.9	39.00	22.741	
11,900.0	11,692.1	11,769.8	11,692.1	21.7	17.4	94.84	20.2	-805.3	886.9	847.8	39.11	22.676	
12,000.0	11,792.1	11,869.8	11,792.1	21.7	17.5	94.84	20.2	-805.3	886.9	847.7	39.22	22.611	
12,100.0	11,892.1	11,969.8	11,892.1	21.7	17.6	94.84	20.2	-805.3	886.9	847.5	39.34	22.546	
12,200.0	11,992.1	12,069.8	11,992.1	21.8	17.6	94.84	20.2	-805.3	886.9	847.4	39.45	22.481	
12,300.0	12,092.1	12,169.8	12,092.1	21.8	17.7	94.84	20.2	-805.3	886.9	847.3	39.56	22.417	
12,400.0	12,192.1	12,269.8	12,192.1	21.9	17.8	94.84	20.2	-805.3	886.9	847.2	39.68	22.353	
12,480.4	12,272.5	12,350.2	12,272.5	21.9	17.8	94.84	20.2	-805.3	886.9	847.1	39.75	22.312	
12,500.0	12,292.1	12,366.9	12,289.2	21.9	17.8	-84.60	19.9	-805.3	886.9	847.1	39.75	22.310	
12,525.0	12,317.0	12,388.2	12,310.4	21.9	17.8	-84.61	18.7	-805.3	886.8	847.1	39.75	22.312	
12,550.0	12,341.8	12,409.5	12,331.6	21.9	17.8	-84.64	16.5	-805.2	886.8	847.1	39.74	22.315	
12,575.0	12,366.5	12,430.8	12,352.7	21.9	17.8	-84.68	13.4	-805.2	886.7	847.0	39.73	22.319	
12,600.0	12,390.8	12,452.1	12,373.6	21.9	17.8	-84.74	9.4	-805.2	886.7	846.9	39.72	22.322	
12,625.0	12,414.9	12,475.0	12,395.9	21.9	17.8	-84.81	4.0	-805.1	886.6	846.9	39.71	22.326	
12,650.0	12,438.5	12,494.9	12,415.0	21.9	17.8	-84.89	-1.6	-805.1	886.5	846.8	39.70	22.328	
12,675.0	12,461.7	12,516.3	12,435.3	21.9	17.8	-84.98	-8.4	-805.0	886.3	846.7	39.69	22.331	
12,700.0	12,484.4	12,537.8	12,455.3	21.9	17.8	-85.08	-16.2	-804.9	886.2	846.5	39.68	22.334	
12,725.0	12,506.5	12,559.4	12,475.0	21.9	17.8	-85.20	-24.9	-804.8	886.1	846.4	39.67	22.336	
12,750.0	12,528.0	12,581.0	12,494.4	21.9	17.7	-85.33	-34.5	-804.7	885.9	846.2	39.66	22.338	
12,775.0	12,548.7	12,602.6	12,513.3	21.9	17.7	-85.46	-45.0	-804.6	885.7	846.1	39.65	22.341	
12,800.0	12,568.8	12,625.0	12,532.4	21.9	17.7	-85.62	-56.7	-804.5	885.5	845.9	39.63	22.343	
12,825.0	12,587.9	12,646.2	12,549.9	21.9	17.7	-85.78	-68.7	-804.4	885.3	845.7	39.62	22.344	
12,850.0	12,606.3	12,668.1	12,567.5	21.9	17.7	-85.95	-81.8	-804.3	885.2	845.5	39.61	22.345	
12,875.0	12,623.7	12,690.1	12,584.4	21.9	17.7	-86.13	-95.8	-804.1	885.0	845.4	39.60	22.346	
12,900.0	12,640.1	12,712.3	12,600.8	21.9	17.7	-86.32	-110.6	-804.0	884.8	845.2	39.59	22.346	
12,925.0	12,655.6	12,734.5	12,616.6	21.9	17.7	-86.52	-126.3	-803.8	884.6	845.0	39.59	22.345	
12,950.0	12,670.0	12,756.8	12,631.7	21.9	17.7	-86.73	-142.7	-803.7	884.4	844.8	39.58	22.343	
12,975.0	12,683.3	12,779.3	12,646.1	22.0	17.7	-86.95	-160.0	-803.5	884.2	844.6	39.58	22.341	
13,000.0	12,695.4	12,801.9	12,659.8	22.0	17.7	-87.17	-178.0	-803.3	884.0	844.4	39.58	22.336	
13,025.0	12,706.5	12,825.0	12,672.8	22.0	17.7	-87.41	-197.0	-803.2	883.8	844.2	39.58	22.330	

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Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 804H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Rule Assigned: No-Go Distance (usft)	Separation Factor	Warning
13,050.0	12,716.3	12,847.5	12,684.6	22.1	17.8	-87.65	-216.2	-803.0	883.7	844.1	39.59	22.323	
13,075.0	12,724.9	12,870.5	12,695.8	22.1	17.8	-87.89	-236.3	-802.8	883.5	843.9	39.60	22.313	
13,100.0	12,732.3	12,893.7	12,706.0	22.2	17.8	-88.14	-257.1	-802.6	883.4	843.8	39.61	22.300	
13,125.0	12,738.4	12,917.1	12,715.3	22.2	17.8	-88.40	-278.6	-802.4	883.2	843.6	39.63	22.285	
13,150.0	12,743.2	12,940.6	12,723.5	22.3	17.8	-88.67	-300.6	-802.1	883.1	843.5	39.66	22.267	
13,175.0	12,746.8	12,964.3	12,730.8	22.3	17.9	-88.93	-323.2	-801.9	883.0	843.3	39.69	22.246	
13,200.0	12,749.0	12,988.2	12,736.9	22.4	17.9	-89.20	-346.3	-801.7	883.0	843.2	39.73	22.221	
13,225.0	12,749.9	13,012.3	12,741.9	22.4	18.0	-89.48	-369.9	-801.5	882.9	843.1	39.78	22.193	
13,230.4	12,750.0	13,017.6	12,742.8	22.5	18.0	-89.54	-375.0	-801.4	882.9	843.1	39.79	22.187	
13,300.0	12,750.0	13,086.3	12,749.8	22.7	18.1	-89.99	-443.4	-800.7	882.9	842.9	39.97	22.087	
13,400.0	12,750.0	13,186.3	12,750.0	22.9	18.3	-90.00	-543.4	-799.8	882.8	842.5	40.31	21.902	
13,500.0	12,750.0	13,286.3	12,750.0	23.3	18.6	-90.00	-643.4	-798.8	882.8	842.1	40.71	21.684	
13,600.0	12,750.0	13,386.3	12,750.0	23.6	18.9	-90.00	-743.4	-797.8	882.8	841.6	41.19	21.435	
13,700.0	12,750.0	13,486.3	12,750.0	23.9	19.3	-90.00	-843.4	-796.8	882.8	841.1	41.72	21.159	
13,800.0	12,750.0	13,586.3	12,750.0	24.3	19.6	-90.00	-943.4	-795.8	882.8	840.5	42.32	20.859	
13,900.0	12,750.0	13,686.3	12,750.0	24.7	20.0	-90.00	-1,043.3	-794.9	882.8	839.8	42.98	20.540	
14,000.0	12,750.0	13,786.3	12,750.0	25.1	20.4	-90.00	-1,143.3	-793.9	882.8	839.1	43.69	20.204	
14,100.0	12,750.0	13,886.3	12,750.0	25.5	20.8	-90.00	-1,243.3	-792.9	882.7	838.3	44.46	19.855	
14,200.0	12,750.0	13,986.3	12,750.0	25.9	21.3	-90.00	-1,343.3	-791.9	882.7	837.4	45.28	19.496	
14,300.0	12,750.0	14,086.3	12,750.0	26.4	21.8	-90.00	-1,443.3	-790.9	882.7	836.6	46.14	19.129	
14,400.0	12,750.0	14,186.3	12,750.0	26.8	22.3	-90.00	-1,543.3	-790.0	882.7	835.6	47.06	18.758	
14,500.0	12,750.0	14,286.3	12,750.0	27.3	22.8	-90.00	-1,643.3	-789.0	882.7	834.7	48.01	18.385	
14,600.0	12,750.0	14,386.3	12,750.0	27.8	23.3	-90.00	-1,743.3	-788.0	882.7	833.7	49.01	18.011	
14,700.0	12,750.0	14,486.3	12,750.0	28.3	23.9	-90.00	-1,843.3	-787.0	882.6	832.6	50.04	17.639	
14,800.0	12,750.0	14,586.3	12,750.0	28.8	24.4	-90.00	-1,943.3	-786.0	882.6	831.5	51.11	17.269	
14,900.0	12,750.0	14,686.3	12,750.0	29.4	25.0	-90.00	-2,043.3	-785.1	882.6	830.4	52.21	16.904	
15,000.0	12,750.0	14,786.3	12,750.0	29.9	25.6	-90.00	-2,143.3	-784.1	882.6	829.3	53.35	16.545	
15,100.0	12,750.0	14,886.3	12,750.0	30.5	26.2	-90.00	-2,243.3	-783.1	882.6	828.1	54.51	16.192	
15,200.0	12,750.0	14,986.3	12,750.0	31.0	26.9	-90.00	-2,343.3	-782.1	882.6	826.9	55.70	15.845	
15,300.0	12,750.0	15,086.3	12,750.0	31.6	27.5	-90.00	-2,443.3	-781.2	882.6	825.6	56.92	15.506	
15,400.0	12,750.0	15,186.3	12,750.0	32.2	28.2	-90.00	-2,543.3	-780.2	882.5	824.4	58.16	15.175	
15,500.0	12,750.0	15,286.3	12,750.0	32.8	28.8	-90.00	-2,643.3	-779.2	882.5	823.1	59.42	14.852	
15,600.0	12,750.0	15,386.3	12,750.0	33.4	29.5	-90.00	-2,743.3	-778.2	882.5	821.8	60.70	14.538	
15,700.0	12,750.0	15,486.3	12,750.0	34.1	30.2	-90.00	-2,843.3	-777.2	882.5	820.5	62.01	14.232	
15,800.0	12,750.0	15,586.3	12,750.0	34.7	30.9	-90.00	-2,943.3	-776.3	882.5	819.1	63.33	13.934	
15,900.0	12,750.0	15,686.3	12,750.0	35.3	31.6	-90.00	-3,043.3	-775.3	882.5	817.8	64.67	13.645	
16,000.0	12,750.0	15,786.3	12,750.0	36.0	32.3	-90.00	-3,143.2	-774.3	882.4	816.4	66.03	13.365	
16,100.0	12,750.0	15,886.3	12,750.0	36.6	33.0	-90.00	-3,243.2	-773.3	882.4	815.0	67.40	13.093	
16,200.0	12,750.0	15,986.3	12,750.0	37.3	33.7	-90.00	-3,343.2	-772.3	882.4	813.6	68.79	12.828	
16,300.0	12,750.0	16,086.3	12,750.0	38.0	34.4	-90.00	-3,443.2	-771.4	882.4	812.2	70.19	12.572	
16,400.0	12,750.0	16,186.3	12,750.0	38.7	35.1	-90.00	-3,543.2	-770.4	882.4	810.8	71.60	12.324	
16,500.0	12,750.0	16,286.3	12,750.0	39.4	35.9	-90.00	-3,643.2	-769.4	882.4	809.3	73.02	12.083	
16,600.0	12,750.0	16,386.3	12,750.0	40.0	36.6	-90.00	-3,743.2	-768.4	882.4	807.9	74.46	11.850	
16,700.0	12,750.0	16,486.3	12,750.0	40.7	37.4	-90.00	-3,843.2	-767.4	882.3	806.4	75.91	11.624	
16,800.0	12,750.0	16,586.3	12,750.0	41.4	38.1	-90.00	-3,943.2	-766.5	882.3	805.0	77.36	11.405	
16,900.0	12,750.0	16,686.3	12,750.0	42.2	38.9	-90.00	-4,043.2	-765.5	882.3	803.5	78.83	11.192	
17,000.0	12,750.0	16,786.3	12,750.0	42.9	39.6	-90.00	-4,143.2	-764.5	882.3	802.0	80.31	10.987	
17,100.0	12,750.0	16,886.3	12,750.0	43.6	40.4	-90.00	-4,243.2	-763.5	882.3	800.5	81.79	10.787	
17,200.0	12,750.0	16,986.3	12,750.0	44.3	41.2	-90.00	-4,343.2	-762.5	882.3	799.0	83.28	10.594	
17,300.0	12,750.0	17,086.3	12,750.0	45.0	41.9	-90.00	-4,443.2	-761.6	882.2	797.5	84.78	10.406	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 804H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Rule Assigned: Distance Between Ellipses (usft)	Rule Assigned: No-Go Distance (usft)	Separation Factor	Warning
17,400.0	12,750.0	17,186.3	12,750.0	45.8	42.7	-90.00	-4,543.2	-760.6	882.2	795.9	86.29	10.224	
17,500.0	12,750.0	17,286.3	12,750.0	46.5	43.5	-90.00	-4,643.2	-759.6	882.2	794.4	87.80	10.048	
17,600.0	12,750.0	17,386.3	12,750.0	47.3	44.3	-90.00	-4,743.2	-758.6	882.2	792.9	89.32	9.876	
17,700.0	12,750.0	17,486.3	12,750.0	48.0	45.0	-90.00	-4,843.2	-757.6	882.2	791.3	90.85	9.710	
17,800.0	12,750.0	17,586.3	12,750.0	48.7	45.8	-90.00	-4,943.2	-756.7	882.2	789.8	92.38	9.549	
17,900.0	12,750.0	17,686.3	12,750.0	49.5	46.6	-90.00	-5,043.2	-755.7	882.2	788.2	93.92	9.393	
18,000.0	12,750.0	17,786.3	12,750.0	50.3	47.4	-90.00	-5,143.2	-754.7	882.1	786.7	95.46	9.241	
18,100.0	12,750.0	17,886.3	12,750.0	51.0	48.2	-90.00	-5,243.1	-753.7	882.1	785.1	97.01	9.093	
18,200.0	12,750.0	17,986.3	12,750.0	51.8	49.0	-90.00	-5,343.1	-752.7	882.1	783.5	98.57	8.949	
18,300.0	12,750.0	18,086.3	12,750.0	52.5	49.8	-90.00	-5,443.1	-751.8	882.1	782.0	100.12	8.810	
18,400.0	12,750.0	18,186.3	12,750.0	53.3	50.6	-90.00	-5,543.1	-750.8	882.1	780.4	101.69	8.674	
18,500.0	12,750.0	18,286.3	12,750.0	54.1	51.4	-90.00	-5,643.1	-749.8	882.1	778.8	103.25	8.543	
18,600.0	12,750.0	18,386.3	12,750.0	54.9	52.2	-90.00	-5,743.1	-748.8	882.0	777.2	104.82	8.415	
18,700.0	12,750.0	18,486.3	12,750.0	55.6	53.0	-90.00	-5,843.1	-747.8	882.0	775.6	106.40	8.290	
18,800.0	12,750.0	18,586.3	12,750.0	56.4	53.8	-90.00	-5,943.1	-746.9	882.0	774.0	107.98	8.169	
18,900.0	12,750.0	18,686.3	12,750.0	57.2	54.6	-90.00	-6,043.1	-745.9	882.0	772.4	109.56	8.051	
19,000.0	12,750.0	18,786.3	12,750.0	58.0	55.4	-90.00	-6,143.1	-744.9	882.0	770.8	111.14	7.936	
19,100.0	12,750.0	18,886.3	12,750.0	58.7	56.2	-90.00	-6,243.1	-743.9	882.0	769.2	112.73	7.824	
19,200.0	12,750.0	18,986.3	12,750.0	59.5	57.1	-90.00	-6,343.1	-743.0	882.0	767.6	114.32	7.715	
19,300.0	12,750.0	19,086.3	12,750.0	60.3	57.9	-90.00	-6,443.1	-742.0	881.9	766.0	115.91	7.609	
19,400.0	12,750.0	19,186.3	12,750.0	61.1	58.7	-90.00	-6,543.1	-741.0	881.9	764.4	117.51	7.505	
19,500.0	12,750.0	19,286.3	12,750.0	61.9	59.5	-90.00	-6,643.1	-740.0	881.9	762.8	119.11	7.404	
19,600.0	12,750.0	19,386.3	12,750.0	62.7	60.3	-90.00	-6,743.1	-739.0	881.9	761.2	120.71	7.306	
19,700.0	12,750.0	19,486.3	12,750.0	63.5	61.1	-90.00	-6,843.1	-738.1	881.9	759.6	122.32	7.210	
19,800.0	12,750.0	19,586.3	12,750.0	64.3	62.0	-90.00	-6,943.1	-737.1	881.9	757.9	123.92	7.116	
19,900.0	12,750.0	19,686.3	12,750.0	65.1	62.8	-90.00	-7,043.1	-736.1	881.8	756.3	125.53	7.025	
20,000.0	12,750.0	19,786.3	12,750.0	65.9	63.6	-90.00	-7,143.1	-735.1	881.8	754.7	127.14	6.936	
20,100.0	12,750.0	19,886.3	12,750.0	66.7	64.4	-90.00	-7,243.1	-734.1	881.8	753.1	128.76	6.849	
20,200.0	12,750.0	19,986.3	12,750.0	67.5	65.2	-90.00	-7,343.0	-733.2	881.8	751.4	130.37	6.764	
20,300.0	12,750.0	20,086.3	12,750.0	68.3	66.1	-90.00	-7,443.0	-732.2	881.8	749.8	131.99	6.681	
20,400.0	12,750.0	20,186.3	12,750.0	69.1	66.9	-90.00	-7,543.0	-731.2	881.8	748.2	133.61	6.600	
20,500.0	12,750.0	20,286.3	12,750.0	69.9	67.7	-90.00	-7,643.0	-730.2	881.8	746.5	135.23	6.520	
20,600.0	12,750.0	20,386.3	12,750.0	70.7	68.5	-90.00	-7,743.0	-729.2	881.7	744.9	136.86	6.443	
20,700.0	12,750.0	20,486.3	12,750.0	71.5	69.4	-90.00	-7,843.0	-728.3	881.7	743.2	138.48	6.367	
20,800.0	12,750.0	20,586.3	12,750.0	72.3	70.2	-90.00	-7,943.0	-727.3	881.7	741.6	140.11	6.293	
20,900.0	12,750.0	20,686.3	12,750.0	73.1	71.0	-90.00	-8,043.0	-726.3	881.7	740.0	141.74	6.221	
21,000.0	12,750.0	20,786.3	12,750.0	74.0	71.9	-90.00	-8,143.0	-725.3	881.7	738.3	143.36	6.150	
21,100.0	12,750.0	20,886.3	12,750.0	74.8	72.7	-90.00	-8,243.0	-724.3	881.7	736.7	145.00	6.081	
21,200.0	12,750.0	20,986.3	12,750.0	75.6	73.5	-90.00	-8,343.0	-723.4	881.6	735.0	146.63	6.013	
21,300.0	12,750.0	21,086.3	12,750.0	76.4	74.3	-90.00	-8,443.0	-722.4	881.6	733.4	148.26	5.946	
21,400.0	12,750.0	21,186.3	12,750.0	77.2	75.2	-90.00	-8,543.0	-721.4	881.6	731.7	149.90	5.881	
21,500.0	12,750.0	21,286.3	12,750.0	78.0	76.0	-90.00	-8,643.0	-720.4	881.6	730.1	151.53	5.818	
21,600.0	12,750.0	21,386.3	12,750.0	78.8	76.8	-90.00	-8,743.0	-719.4	881.6	728.4	153.17	5.756	
21,700.0	12,750.0	21,486.3	12,750.0	79.7	77.7	-90.00	-8,843.0	-718.5	881.6	726.8	154.81	5.694	
21,800.0	12,750.0	21,586.3	12,750.0	80.5	78.5	-90.00	-8,943.0	-717.5	881.6	725.1	156.45	5.635	
21,900.0	12,750.0	21,686.3	12,750.0	81.3	79.4	-90.00	-9,043.0	-716.5	881.5	723.4	158.09	5.576	
22,000.0	12,750.0	21,786.3	12,750.0	82.1	80.2	-90.00	-9,143.0	-715.5	881.5	721.8	159.74	5.519	
22,100.0	12,750.0	21,886.3	12,750.0	82.9	81.0	-90.00	-9,243.0	-714.5	881.5	720.1	161.38	5.462	
22,200.0	12,750.0	21,986.3	12,750.0	83.8	81.9	-90.00	-9,343.0	-713.6	881.5	718.5	163.02	5.407	
22,300.0	12,750.0	22,086.3	12,750.0	84.6	82.7	-90.00	-9,442.9	-712.6	881.5	716.8	164.67	5.353	
22,400.0	12,750.0	22,186.3	12,750.0	85.4	83.5	-90.00	-9,542.9	-711.6	881.5	715.1	166.32	5.300	

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

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Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 804H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
22,500.0	12,750.0	22,286.3	12,750.0	86.2	84.4	-90.00	-9,642.9	-710.6	881.4	713.5	167.96	5.248	
22,600.0	12,750.0	22,386.3	12,750.0	87.1	85.2	-90.00	-9,742.9	-709.7	881.4	711.8	169.61	5.197	
22,700.0	12,750.0	22,486.3	12,750.0	87.9	86.0	-90.00	-9,842.9	-708.7	881.4	710.2	171.26	5.147	
22,800.0	12,750.0	22,586.3	12,750.0	88.7	86.9	-90.00	-9,942.9	-707.7	881.4	708.5	172.91	5.097	
22,900.0	12,750.0	22,686.3	12,750.0	89.5	87.7	-90.00	-10,042.9	-706.7	881.4	706.8	174.56	5.049	
23,000.0	12,750.0	22,786.3	12,750.0	90.4	88.6	-90.00	-10,142.9	-705.7	881.4	705.2	176.21	5.002	
23,100.0	12,750.0	22,886.3	12,750.0	91.2	89.4	-90.00	-10,242.9	-704.8	881.4	703.5	177.87	4.955	
23,200.0	12,750.0	22,986.3	12,750.0	92.0	90.2	-90.00	-10,342.9	-703.8	881.3	701.8	179.52	4.909	
23,300.0	12,750.0	23,086.3	12,750.0	92.9	91.1	-90.00	-10,442.9	-702.8	881.3	700.1	181.17	4.864	
23,400.0	12,750.0	23,186.3	12,750.0	93.7	91.9	-90.00	-10,542.9	-701.8	881.3	698.5	182.83	4.820	
23,500.0	12,750.0	23,286.3	12,750.0	94.5	92.8	-90.00	-10,642.9	-700.8	881.3	696.8	184.49	4.777	
23,600.0	12,750.0	23,386.3	12,750.0	95.4	93.6	-90.00	-10,742.9	-699.9	881.3	695.1	186.14	4.734	
23,700.0	12,750.0	23,486.3	12,750.0	96.2	94.5	-90.00	-10,842.9	-698.9	881.3	693.5	187.80	4.693	
23,800.0	12,750.0	23,586.3	12,750.0	97.0	95.3	-90.00	-10,942.9	-697.9	881.2	691.8	189.46	4.651	
23,900.0	12,750.0	23,686.3	12,750.0	97.8	96.1	-90.00	-11,042.9	-696.9	881.2	690.1	191.12	4.611	
24,000.0	12,750.0	23,786.3	12,750.0	98.7	97.0	-90.00	-11,142.9	-695.9	881.2	688.4	192.77	4.571	
24,004.4	12,750.0	23,790.8	12,750.0	98.7	97.0	-90.00	-11,147.3	-695.9	881.2	688.4	192.85	4.569	
24,100.0	12,750.0	23,886.3	12,750.0	99.5	97.8	-90.00	-11,242.8	-695.0	882.9	688.5	194.44	4.541	
24,128.5	12,750.0	23,914.8	12,750.0	99.8	98.1	-90.00	-11,271.3	-694.7	884.1	689.2	194.91	4.536	
24,200.0	12,750.0	23,986.2	12,750.0	100.3	98.7	-90.00	-11,342.7	-694.0	887.3	691.2	196.09	4.525	
24,300.0	12,750.0	24,086.1	12,750.0	101.2	99.5	-90.00	-11,442.6	-693.0	891.7	694.0	197.75	4.510	
24,378.5	12,750.0	24,164.5	12,750.0	101.8	100.2	-90.00	-11,521.1	-692.2	895.2	696.2	199.04	4.498	
24,400.0	12,750.0	24,186.0	12,750.0	102.0	100.4	-90.00	-11,542.5	-692.0	896.1	696.7	199.40	4.494	
24,500.0	12,750.0	24,286.0	12,750.0	102.9	101.2	-90.00	-11,642.5	-691.0	898.1	697.0	201.07	4.467	
24,507.0	12,750.0	24,293.0	12,750.0	102.9	101.3	-90.00	-11,649.5	-691.0	898.1	696.9	201.18	4.464	
24,600.0	12,750.0	24,386.0	12,750.0	103.7	102.0	-90.00	-11,742.5	-690.1	898.1	695.4	202.73	4.430	
24,700.0	12,750.0	24,486.0	12,750.0	104.5	102.9	-90.00	-11,842.5	-689.1	898.1	693.7	204.39	4.394	
24,800.0	12,750.0	24,586.0	12,750.0	105.4	103.7	-90.00	-11,942.5	-688.1	898.1	692.0	206.06	4.358	
24,900.0	12,750.0	24,686.0	12,750.0	106.2	104.6	-90.00	-12,042.5	-687.1	898.1	690.3	207.72	4.323	
25,000.0	12,750.0	24,786.0	12,750.0	107.0	105.4	-90.00	-12,142.5	-686.1	898.0	688.7	209.38	4.289	
25,100.0	12,750.0	24,886.0	12,750.0	107.9	106.3	-90.00	-12,242.5	-685.2	898.0	687.0	211.05	4.255	
25,200.0	12,750.0	24,986.0	12,750.0	108.7	107.1	-90.00	-12,342.5	-684.2	898.0	685.3	212.71	4.222	
25,300.0	12,750.0	25,086.0	12,750.0	109.5	108.0	-90.00	-12,442.5	-683.2	898.0	683.6	214.38	4.189	
25,400.0	12,750.0	25,186.0	12,750.0	110.4	108.8	-90.00	-12,542.5	-682.2	898.0	681.9	216.05	4.156	
25,500.0	12,750.0	25,286.0	12,750.0	111.2	109.7	-90.00	-12,642.5	-681.2	898.0	680.2	217.71	4.125	
25,600.0	12,750.0	25,386.0	12,750.0	112.1	110.5	-90.00	-12,742.5	-680.3	897.9	678.6	219.38	4.093	
25,699.9	12,750.0	25,485.9	12,750.0	112.9	111.3	-90.00	-12,842.4	-679.3	897.9	676.9	221.05	4.062	
25,707.0	12,750.0	25,493.0	12,750.0	113.0	111.4	-90.00	-12,849.4	-679.2	897.9	676.8	221.16	4.060	
25,800.0	12,750.0	25,586.0	12,750.0	113.7	112.2	-90.00	-12,942.4	-678.3	896.4	673.7	222.72	4.025	
25,828.5	12,750.0	25,614.5	12,750.0	114.0	112.4	-90.00	-12,970.9	-678.0	895.3	672.1	223.19	4.011	
25,900.0	12,750.0	25,685.9	12,750.0	114.6	113.0	-90.00	-13,042.3	-677.3	892.3	667.9	224.39	3.977	
26,000.0	12,750.0	25,785.8	12,750.0	115.4	113.9	-90.00	-13,142.2	-676.4	888.0	662.0	226.06	3.928	
26,078.5	12,750.0	25,864.2	12,750.0	116.1	114.6	-90.00	-13,220.7	-675.6	884.7	657.3	227.37	3.891	
26,100.0	12,750.0	25,885.7	12,750.0	116.3	114.7	-90.00	-13,242.1	-675.4	883.9	656.1	227.73	3.881	
26,200.0	12,750.0	25,985.7	12,750.0	117.1	115.6	-90.00	-13,342.1	-674.4	882.1	652.7	229.40	3.845	
26,284.3	12,750.0	26,070.0	12,750.0	117.7	116.3	-90.00	-13,426.4	-673.6	882.1	651.5	230.61	3.825	

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Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 805H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1

Offset Well Error: 0.0 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	89.61	0.6	89.7	89.7				
100.0	100.0	100.0	100.0	0.8	0.8	89.61	0.6	89.7	89.7	87.7	1.99	45.057	
200.0	200.0	200.0	200.0	1.4	1.4	89.61	0.6	89.7	89.7	86.4	3.31	27.093	
300.0	300.0	300.0	300.0	1.9	1.9	89.61	0.6	89.7	89.7	85.5	4.20	21.385	
400.0	400.0	400.0	400.0	2.2	2.2	89.61	0.6	89.7	89.7	84.8	4.91	18.265	
500.0	500.0	500.0	500.0	2.6	2.6	89.61	0.6	89.7	89.7	84.2	5.53	16.215	
600.0	600.0	600.0	600.0	2.8	2.8	89.61	0.6	89.7	89.7	83.6	6.09	14.732	
700.0	700.0	700.0	700.0	3.1	3.1	89.61	0.6	89.7	89.7	83.1	6.60	13.591	
800.0	800.0	800.0	800.0	3.3	3.3	89.61	0.6	89.7	89.7	82.6	7.08	12.678	
900.0	900.0	900.0	900.0	3.6	3.6	89.61	0.6	89.7	89.7	82.2	7.52	11.925	
1,000.0	1,000.0	1,000.0	1,000.0	3.8	3.8	89.61	0.6	89.7	89.7	81.8	7.95	11.289	
1,100.0	1,100.0	1,100.0	1,100.0	4.0	4.0	89.61	0.6	89.7	89.7	81.4	8.35	10.743	
1,200.0	1,200.0	1,200.0	1,200.0	4.2	4.2	89.61	0.6	89.7	89.7	81.0	8.74	10.266	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	89.61	0.6	89.7	89.7	80.6	9.11	9.846	
1,400.0	1,400.0	1,400.0	1,400.0	4.6	4.6	89.61	0.6	89.7	89.7	80.2	9.47	9.471	
1,500.0	1,500.0	1,500.0	1,500.0	4.7	4.7	89.61	0.6	89.7	89.7	79.9	9.82	9.134	
1,600.0	1,600.0	1,600.0	1,600.0	4.9	4.9	89.61	0.6	89.7	89.7	79.6	10.16	8.829	
1,700.0	1,700.0	1,700.0	1,700.0	5.1	5.1	89.61	0.6	89.7	89.7	79.2	10.49	8.550	
1,800.0	1,800.0	1,800.0	1,800.0	5.2	5.2	89.61	0.6	89.7	89.7	78.9	10.82	8.295	
1,900.0	1,900.0	1,900.0	1,900.0	5.4	5.4	89.61	0.6	89.7	89.7	78.6	11.13	8.060	
2,000.0	2,000.0	2,000.0	2,000.0	5.6	5.6	89.61	0.6	89.7	89.7	78.3	11.44	7.843	CC, ES
2,100.0	2,100.0	2,100.0	2,100.0	5.8	5.8	177.55	-1.1	89.7	91.4	79.6	11.79	7.752	SF
2,200.0	2,199.8	2,199.7	2,199.6	6.0	6.0	-179.22	-6.3	89.5	96.7	84.6	12.11	7.989	
2,300.0	2,299.5	2,298.6	2,298.1	6.2	6.2	-174.61	-14.9	89.3	106.1	93.7	12.42	8.546	
2,400.0	2,398.7	2,396.5	2,395.2	6.4	6.4	-169.44	-26.8	89.0	120.2	107.5	12.73	9.443	
2,500.0	2,497.5	2,493.3	2,490.9	6.6	6.6	-164.43	-41.6	88.5	139.3	126.3	12.99	10.726	
2,600.0	2,595.6	2,590.1	2,586.4	6.8	6.8	-160.68	-57.1	88.1	162.6	149.3	13.30	12.227	
2,700.0	2,693.1	2,686.2	2,681.3	7.0	7.0	-158.18	-72.5	87.7	189.5	175.9	13.62	13.912	
2,742.5	2,734.2	2,726.8	2,721.3	7.1	7.1	-157.41	-79.1	87.5	202.0	188.3	13.72	14.725	
2,800.0	2,789.8	2,781.5	2,775.4	7.1	7.3	-156.67	-87.9	87.3	219.2	205.4	13.85	15.831	
2,900.0	2,886.5	2,876.8	2,869.4	7.3	7.5	-155.62	-103.2	86.8	249.3	235.2	14.13	17.641	
3,000.0	2,983.1	2,972.1	2,963.5	7.4	7.8	-154.80	-118.5	86.4	279.4	265.0	14.43	19.365	
3,100.0	3,079.8	3,067.4	3,057.5	7.6	8.1	-154.14	-133.8	86.0	309.6	294.8	14.74	21.006	
3,200.0	3,176.4	3,162.7	3,151.6	7.7	8.4	-153.60	-149.1	85.6	339.8	324.7	15.06	22.566	
3,300.0	3,273.1	3,258.0	3,245.6	7.9	8.7	-153.14	-164.4	85.1	370.0	354.6	15.39	24.046	
3,400.0	3,369.8	3,353.3	3,339.7	8.0	9.0	-152.76	-179.7	84.7	400.2	384.5	15.73	25.449	
3,500.0	3,466.4	3,448.5	3,433.7	8.2	9.3	-152.42	-195.0	84.3	430.5	414.4	16.08	26.779	
3,600.0	3,563.1	3,543.8	3,527.8	8.4	9.7	-152.13	-210.3	83.9	460.8	444.3	16.43	28.040	
3,700.0	3,659.7	3,639.1	3,621.8	8.5	10.0	-151.88	-225.6	83.4	491.0	474.2	16.80	29.234	
3,800.0	3,756.4	3,734.4	3,715.9	8.7	10.4	-151.66	-240.9	83.0	521.3	504.1	17.17	30.365	
3,900.0	3,853.1	3,829.7	3,809.9	8.9	10.7	-151.46	-256.2	82.6	551.6	534.0	17.55	31.436	
4,000.0	3,949.7	3,925.0	3,904.0	9.1	11.1	-151.28	-271.5	82.2	581.9	563.9	17.93	32.451	
4,100.0	4,046.4	4,020.3	3,998.0	9.2	11.4	-151.12	-286.8	81.7	612.2	593.9	18.32	33.412	
4,200.0	4,143.0	4,116.3	4,092.8	9.4	11.8	-150.98	-302.2	81.3	642.5	623.7	18.72	34.315	
4,300.0	4,239.7	4,217.5	4,192.9	9.6	12.2	-150.92	-317.4	80.9	672.2	653.1	19.14	35.129	
4,400.0	4,336.4	4,319.2	4,293.7	9.8	12.6	-151.01	-330.8	80.5	701.2	681.6	19.54	35.878	
4,500.0	4,433.0	4,421.5	4,395.3	10.0	13.0	-151.22	-342.5	80.2	729.3	709.3	19.94	36.577	
4,600.0	4,529.7	4,524.1	4,497.4	10.2	13.3	-151.53	-352.4	79.9	756.6	736.2	20.32	37.234	
4,700.0	4,626.3	4,627.1	4,600.1	10.4	13.7	-151.95	-360.5	79.7	783.0	762.3	20.68	37.857	
4,800.0	4,723.0	4,730.4	4,703.2	10.6	14.0	-152.46	-366.8	79.5	808.7	787.7	21.03	38.453	
4,900.0	4,819.6	4,833.9	4,806.6	10.8	14.3	-153.06	-371.2	79.4	833.6	812.2	21.36	39.030	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 805H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 MWD+IFR1

Offset Well Error: 0.0 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,000.0	4,916.3	4,937.5	4,910.2	11.0	14.6	-153.73	-373.8	79.3	857.8	836.1	21.66	39.600	
5,100.0	5,013.0	5,040.3	5,013.0	11.2	14.8	-154.47	-374.5	79.3	881.3	859.4	21.91	40.230	
5,200.0	5,109.6	5,137.0	5,109.6	11.4	14.8	-155.16	-374.5	79.3	904.6	882.5	22.10	40.930	
5,300.0	5,206.3	5,233.6	5,206.3	11.6	14.9	-155.82	-374.5	79.3	928.1	905.7	22.32	41.586	
5,400.0	5,302.9	5,330.3	5,302.9	11.8	14.9	-156.45	-374.5	79.3	951.6	929.1	22.54	42.222	
5,500.0	5,399.6	5,426.9	5,399.6	12.0	15.0	-157.05	-374.5	79.3	975.3	952.5	22.77	42.839	
5,600.0	5,496.3	5,523.6	5,496.3	12.2	15.0	-157.62	-374.5	79.3	999.1	976.1	23.00	43.437	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - _BOATER FED COM 806H - OWB - PWP0 — **Offset Site Error:** 0.0 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	89.60	1.0	149.7	149.7				
100.0	100.0	100.0	100.0	0.8	0.8	89.60	1.0	149.7	149.7	147.7	1.99	75.189	
200.0	200.0	200.0	200.0	1.4	1.4	89.60	1.0	149.7	149.7	146.4	3.31	45.211	
300.0	300.0	300.0	300.0	1.9	1.9	89.60	1.0	149.7	149.7	145.5	4.20	35.687	
400.0	400.0	400.0	400.0	2.2	2.2	89.60	1.0	149.7	149.7	144.8	4.91	30.480	
500.0	500.0	500.0	500.0	2.6	2.6	89.60	1.0	149.7	149.7	144.2	5.53	27.059	
600.0	600.0	600.0	600.0	2.8	2.8	89.60	1.0	149.7	149.7	143.6	6.09	24.583	
700.0	700.0	700.0	700.0	3.1	3.1	89.60	1.0	149.7	149.7	143.1	6.60	22.681	
800.0	800.0	800.0	800.0	3.3	3.3	89.60	1.0	149.7	149.7	142.6	7.08	21.157	
900.0	900.0	900.0	900.0	3.6	3.6	89.60	1.0	149.7	149.7	142.2	7.52	19.900	
1,000.0	1,000.0	1,000.0	1,000.0	3.8	3.8	89.60	1.0	149.7	149.7	141.8	7.95	18.839	
1,100.0	1,100.0	1,100.0	1,100.0	4.0	4.0	89.60	1.0	149.7	149.7	141.4	8.35	17.927	
1,200.0	1,200.0	1,200.0	1,200.0	4.2	4.2	89.60	1.0	149.7	149.7	141.0	8.74	17.132	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	89.60	1.0	149.7	149.7	140.6	9.11	16.430	
1,400.0	1,400.0	1,400.0	1,400.0	4.6	4.6	89.60	1.0	149.7	149.7	140.2	9.47	15.804	
1,500.0	1,500.0	1,500.0	1,500.0	4.7	4.7	89.60	1.0	149.7	149.7	139.9	9.82	15.242	
1,600.0	1,600.0	1,600.0	1,600.0	4.9	4.9	89.60	1.0	149.7	149.7	139.6	10.16	14.733	
1,700.0	1,700.0	1,700.0	1,700.0	5.1	5.1	89.60	1.0	149.7	149.7	139.2	10.49	14.268	
1,800.0	1,800.0	1,800.0	1,800.0	5.2	5.2	89.60	1.0	149.7	149.7	138.9	10.82	13.843	
1,900.0	1,900.0	1,900.0	1,900.0	5.4	5.4	89.60	1.0	149.7	149.7	138.6	11.13	13.451	
2,000.0	2,000.0	2,000.0	2,000.0	5.6	5.6	89.60	1.0	149.7	149.7	138.3	11.44	13.088	CC, ES
2,100.0	2,100.0	2,094.9	2,094.9	5.8	5.8	176.40	1.1	151.3	153.1	141.2	11.88	12.893	SF
2,200.0	2,199.8	2,189.2	2,189.1	6.0	6.0	176.45	1.3	156.0	163.3	151.0	12.27	13.304	
2,300.0	2,299.5	2,282.2	2,281.7	6.2	6.2	176.51	1.5	163.6	180.1	167.5	12.65	14.237	
2,400.0	2,398.7	2,373.3	2,372.3	6.4	6.4	176.58	1.9	174.0	203.5	190.5	13.01	15.642	
2,500.0	2,497.5	2,462.0	2,460.0	6.6	6.5	176.64	2.4	186.9	233.3	220.0	13.31	17.528	
2,600.0	2,595.6	2,554.3	2,551.1	6.8	6.6	176.71	3.0	202.1	268.4	254.8	13.61	19.716	
2,700.0	2,693.1	2,646.7	2,642.1	7.0	6.7	176.79	3.6	217.5	306.7	292.8	13.94	22.002	
2,742.5	2,734.2	2,685.6	2,680.5	7.1	6.8	176.82	3.8	223.9	324.0	309.9	14.03	23.089	
2,800.0	2,789.8	2,737.9	2,732.1	7.1	6.9	176.89	4.1	232.6	347.7	333.5	14.16	24.564	
2,900.0	2,886.5	2,829.0	2,821.9	7.3	7.0	176.99	4.7	247.7	389.0	374.6	14.42	26.985	
3,000.0	2,983.1	2,920.1	2,911.7	7.4	7.1	177.07	5.2	262.9	430.3	415.6	14.68	29.307	
3,100.0	3,079.8	3,011.1	3,001.5	7.6	7.3	177.14	5.8	278.0	471.6	456.6	14.96	31.532	
3,200.0	3,176.4	3,102.2	3,091.3	7.7	7.4	177.20	6.4	293.1	512.9	497.6	15.23	33.665	
3,300.0	3,273.1	3,193.3	3,181.1	7.9	7.5	177.25	6.9	308.2	554.2	538.6	15.52	35.707	
3,400.0	3,369.8	3,284.4	3,270.9	8.0	7.7	177.29	7.5	323.4	595.4	579.6	15.81	37.663	
3,500.0	3,466.4	3,375.4	3,360.8	8.2	7.8	177.33	8.1	338.5	636.7	620.6	16.11	39.535	
3,600.0	3,563.1	3,466.5	3,450.6	8.4	8.0	177.36	8.6	353.6	678.0	661.6	16.41	41.327	
3,700.0	3,659.7	3,557.6	3,540.4	8.5	8.1	177.39	9.2	368.7	719.3	702.6	16.71	43.043	
3,800.0	3,756.4	3,648.7	3,630.2	8.7	8.3	177.41	9.8	383.8	760.6	743.6	17.02	44.686	
3,900.0	3,853.1	3,739.7	3,720.0	8.9	8.4	177.43	10.3	399.0	801.9	784.6	17.33	46.259	
4,000.0	3,949.7	3,830.8	3,809.8	9.1	8.6	177.45	10.9	414.1	843.2	825.5	17.65	47.766	
4,100.0	4,046.4	3,921.9	3,899.6	9.2	8.7	177.47	11.4	429.2	884.5	866.5	17.97	49.209	
4,200.0	4,143.0	4,013.0	3,989.4	9.4	8.9	177.49	12.0	444.3	925.8	907.5	18.30	50.591	
4,300.0	4,239.7	4,104.1	4,079.2	9.6	9.0	177.50	12.6	459.5	967.1	948.4	18.63	51.915	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - CAVE LION 5 TB FEDERAL 008H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 183-r.5 MWD+IFR1

Offset Well Error: 0.0 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
20,400.0	12,750.0	17,261.0	12,480.3	69.1	68.6	59.68	-8,376.2	-2,065.9	978.6	900.2	78.44	12.477	
20,500.0	12,750.0	17,261.0	12,480.3	69.9	68.6	59.68	-8,376.2	-2,065.9	896.5	812.3	84.22	10.646	
20,600.0	12,750.0	17,261.0	12,480.3	70.7	68.6	59.68	-8,376.2	-2,065.9	818.4	727.3	91.08	8.985	
20,700.0	12,750.0	17,261.0	12,480.3	71.5	68.6	59.68	-8,376.2	-2,065.9	745.5	646.4	99.12	7.521	
20,800.0	12,750.0	17,261.0	12,480.3	72.3	68.6	59.68	-8,376.2	-2,065.9	679.6	571.3	108.28	6.276	
20,900.0	12,750.0	17,261.0	12,480.3	73.1	68.6	59.68	-8,376.2	-2,065.9	622.7	504.5	118.20	5.268	
21,000.0	12,750.0	17,261.0	12,480.3	74.0	68.6	59.68	-8,376.2	-2,065.9	577.8	449.7	128.05	4.512	
21,100.0	12,750.0	17,261.0	12,480.3	74.8	68.6	59.68	-8,376.2	-2,065.9	547.6	411.1	136.44	4.013	
21,200.0	12,750.0	17,261.0	12,480.3	75.6	68.6	59.68	-8,376.2	-2,065.9	534.6	392.9	141.75	3.772	
21,300.0	12,750.0	17,169.9	12,482.1	76.4	68.0	59.80	-8,467.2	-2,064.2	532.7	390.6	142.15	3.748	
21,400.0	12,750.0	17,068.0	12,484.2	77.2	67.3	59.92	-8,569.1	-2,061.7	530.4	388.2	142.24	3.729	
21,500.0	12,750.0	16,970.7	12,486.6	78.0	66.6	60.08	-8,666.4	-2,059.5	528.1	385.6	142.50	3.706	
21,600.0	12,750.0	16,870.2	12,489.7	78.8	66.0	60.36	-8,766.8	-2,058.3	526.4	383.7	142.72	3.688	
21,700.0	12,750.0	16,761.9	12,493.6	79.7	65.3	60.67	-8,875.0	-2,056.0	523.7	380.9	142.72	3.669	
21,800.0	12,750.0	16,659.3	12,497.1	80.5	64.6	60.85	-8,977.4	-2,052.2	519.7	376.8	142.88	3.637	
21,900.0	12,750.0	16,556.3	12,500.5	81.3	64.0	61.01	-9,080.3	-2,048.0	515.3	372.3	143.03	3.603	
22,000.0	12,750.0	16,452.3	12,504.3	82.1	63.3	61.16	-9,184.1	-2,043.0	510.2	367.0	143.16	3.564	
22,100.0	12,750.0	16,357.0	12,508.0	82.9	62.8	61.35	-9,279.2	-2,038.5	505.1	361.4	143.65	3.516	
22,200.0	12,750.0	16,262.0	12,511.5	83.8	62.2	61.52	-9,374.1	-2,034.5	500.5	356.3	144.17	3.472	
22,300.0	12,750.0	16,168.0	12,512.5	84.6	61.6	61.48	-9,468.0	-2,030.7	497.3	352.7	144.69	3.437	
22,400.0	12,750.0	16,073.3	12,511.4	85.4	61.1	61.22	-9,562.6	-2,027.3	495.6	350.5	145.13	3.415	
22,500.0	12,750.0	15,974.0	12,509.1	86.2	60.5	60.84	-9,661.8	-2,023.5	494.3	348.9	145.41	3.399	
22,556.3	12,750.0	15,923.7	12,508.0	86.7	60.2	60.67	-9,712.1	-2,022.1	493.9	348.2	145.75	3.389	
22,600.0	12,750.0	15,884.4	12,507.5	87.1	60.0	60.61	-9,751.4	-2,021.6	494.1	348.1	146.01	3.384	
22,700.0	12,750.0	15,782.1	12,507.0	87.9	59.5	60.60	-9,853.7	-2,021.2	494.8	348.5	146.34	3.381	
22,800.0	12,750.0	15,675.3	12,507.2	88.7	58.9	60.60	-9,960.5	-2,019.8	494.6	348.0	146.55	3.375	
22,900.0	12,750.0	15,574.5	12,508.2	89.5	58.4	60.64	-10,061.3	-2,017.9	493.2	346.3	146.96	3.356	
23,000.0	12,750.0	15,478.2	12,509.6	90.4	57.9	60.81	-10,157.6	-2,017.3	492.9	345.3	147.57	3.340	
23,100.0	12,750.0	15,372.6	12,511.4	91.2	57.3	60.98	-10,263.1	-2,015.9	491.7	343.8	147.92	3.325	
23,200.0	12,750.0	15,274.4	12,512.3	92.0	56.9	61.00	-10,361.3	-2,013.8	490.3	341.8	148.46	3.302	
23,300.0	12,750.0	15,171.7	12,512.1	92.9	56.4	60.90	-10,464.0	-2,011.5	489.3	340.5	148.84	3.287	
23,400.0	12,750.0	15,068.4	12,511.5	93.7	55.9	60.68	-10,567.2	-2,007.4	487.0	337.8	149.16	3.265	
23,500.0	12,750.0	14,967.4	12,511.4	94.5	55.4	60.51	-10,668.1	-2,003.6	484.6	335.0	149.60	3.240	
23,600.0	12,750.0	14,876.7	12,512.0	95.4	55.0	60.46	-10,758.8	-2,001.0	482.7	332.3	150.45	3.208	
23,623.2	12,750.0	14,856.6	12,512.2	95.5	54.9	60.49	-10,778.9	-2,000.8	482.6	331.9	150.69	3.203	
23,700.0	12,750.0	14,789.0	12,513.1	96.2	54.7	60.66	-10,846.4	-2,001.4	483.4	331.9	151.44	3.192	
23,800.0	12,750.0	14,690.4	12,514.9	97.0	54.3	61.06	-10,945.0	-2,004.3	485.9	333.7	152.21	3.192	
23,900.0	12,750.0	14,584.2	12,517.0	97.8	53.8	61.45	-11,051.2	-2,006.3	487.5	334.7	152.80	3.190	
24,000.0	12,750.0	14,486.4	12,517.3	98.7	53.5	61.56	-11,148.9	-2,006.6	488.5	334.9	153.52	3.182	
24,100.0	12,750.0	14,390.7	12,517.3	99.5	53.1	61.57	-11,244.7	-2,007.6	488.8	334.5	154.28	3.168	
24,128.5	12,750.0	14,362.3	12,517.2	99.8	53.0	61.54	-11,273.0	-2,008.1	488.4	334.0	154.46	3.162	
24,200.0	12,750.0	14,287.4	12,517.1	100.3	52.7	61.43	-11,348.0	-2,008.9	487.0	332.2	154.79	3.146	
24,300.0	12,750.0	14,186.9	12,518.0	101.2	52.4	61.39	-11,448.4	-2,010.1	484.6	329.1	155.43	3.118	
24,378.5	12,750.0	14,104.2	12,520.6	101.8	52.1	61.58	-11,531.0	-2,011.7	482.3	326.4	155.93	3.093	
24,400.0	12,750.0	14,082.3	12,521.5	102.0	52.1	61.68	-11,553.0	-2,012.1	481.6	325.5	156.10	3.085	
24,481.5	12,750.0	14,001.9	12,524.5	102.7	51.8	62.01	-11,633.3	-2,013.5	480.5	323.7	156.85	3.064	
24,500.0	12,750.0	13,984.3	12,525.0	102.9	51.8	62.08	-11,650.9	-2,013.8	480.6	323.5	157.03	3.060	
24,507.0	12,750.0	13,977.6	12,525.2	102.9	51.8	62.11	-11,657.6	-2,013.9	480.6	323.5	157.11	3.059	
24,600.0	12,750.0	13,889.3	12,526.7	103.7	51.5	62.41	-11,745.8	-2,015.4	482.1	324.1	158.03	3.051	
24,700.0	12,750.0	13,791.0	12,527.0	104.5	51.2	62.59	-11,844.1	-2,017.2	484.4	325.5	158.89	3.049	
24,800.0	12,750.0	13,684.9	12,527.4	105.4	51.0	62.74	-11,950.2	-2,018.2	486.0	326.5	159.55	3.046	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - CAVE LION 5 TB FEDERAL 008H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 183-r.5 MWD+IFR1

Offset Well Error: 0.0 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
24,900.0	12,750.0	13,581.0	12,528.4	106.2	50.7	62.93	-12,054.1	-2,018.7	486.9	326.6	160.28	3.038	
25,000.0	12,750.0	13,475.1	12,531.3	107.0	50.5	63.28	-12,160.0	-2,018.6	486.4	325.4	161.03	3.021	
25,100.0	12,750.0	13,375.1	12,535.0	107.9	50.3	63.72	-12,259.9	-2,018.3	485.4	323.4	162.02	2.996	Normal Operations
25,200.0	12,750.0	13,267.8	12,538.1	108.7	50.1	64.05	-12,367.1	-2,017.3	484.2	321.5	162.71	2.976	Normal Operations
25,300.0	12,750.0	13,166.8	12,539.0	109.5	49.9	64.01	-12,468.0	-2,013.6	481.4	317.9	163.49	2.945	Normal Operations
25,400.0	12,750.0	13,075.5	12,539.3	110.4	49.8	63.95	-12,559.3	-2,011.0	479.6	315.0	164.64	2.913	Normal Operations
25,458.1	12,750.0	13,021.1	12,538.1	110.9	49.7	63.77	-12,613.7	-2,009.6	479.4	314.2	165.19	2.902	Normal Operations, CC
25,500.0	12,750.0	12,980.8	12,537.2	111.2	49.6	63.66	-12,654.0	-2,008.8	479.5	313.9	165.55	2.896	Normal Operations, ES, SF
25,600.0	12,750.0	12,959.0	12,536.8	112.1	49.6	63.61	-12,675.8	-2,008.5	486.2	319.2	166.91	2.913	Normal Operations
25,699.9	12,750.0	12,959.0	12,536.8	112.9	49.6	63.61	-12,675.8	-2,008.5	512.1	348.9	163.25	3.137	
25,707.0	12,750.0	12,959.0	12,536.8	113.0	49.6	63.61	-12,675.8	-2,008.5	514.7	351.8	162.81	3.161	
25,800.0	12,750.0	12,911.2	12,518.3	113.7	49.6	61.29	-12,718.6	-2,008.0	543.6	386.0	157.60	3.450	
25,828.5	12,750.0	12,908.2	12,516.1	114.0	49.6	60.92	-12,720.5	-2,008.0	557.4	401.9	155.50	3.585	
25,900.0	12,750.0	12,657.1	12,387.7	114.6	18.9	50.56	-12,902.8	-2,018.2	595.4	447.5	147.88	4.026	
26,000.0	12,750.0	12,582.0	12,361.9	115.4	18.8	49.20	-12,973.1	-2,023.9	627.2	480.1	147.08	4.264	
26,078.5	12,750.0	12,551.4	12,349.3	116.1	18.8	48.53	-13,000.9	-2,026.1	655.5	509.8	145.72	4.498	
26,100.0	12,750.0	12,539.5	12,344.1	116.3	18.8	48.36	-13,011.6	-2,026.9	663.8	518.5	145.32	4.568	
26,200.0	12,750.0	12,487.0	12,318.9	117.1	18.7	47.53	-13,057.5	-2,030.3	704.6	561.5	143.04	4.926	
26,284.3	12,750.0	12,446.8	12,297.2	117.7	18.7	46.29	-13,091.2	-2,032.7	742.2	601.9	140.30	5.290	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - CAVE LION 5 WA FEDERAL 009H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 183-r.5 MWD+IFR1

Offset Well Error: 0.0 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
20,200.0	12,750.0	17,619.0	12,619.5	67.5	52.4	-56.91	-8,299.5	-1,405.3	979.4	919.6	59.86	16.363	
20,300.0	12,750.0	17,619.0	12,619.5	68.3	52.4	-56.91	-8,299.5	-1,405.3	882.8	821.1	61.71	14.305	
20,400.0	12,750.0	17,619.0	12,619.5	69.1	52.4	-56.91	-8,299.5	-1,405.3	787.0	722.9	64.07	12.283	
20,500.0	12,750.0	17,619.0	12,619.5	69.9	52.4	-56.91	-8,299.5	-1,405.3	692.4	625.2	67.14	10.312	
20,600.0	12,750.0	17,619.0	12,619.5	70.7	52.4	-56.91	-8,299.5	-1,405.3	599.5	528.3	71.24	8.415	
20,700.0	12,750.0	17,619.0	12,619.5	71.5	52.4	-56.91	-8,299.5	-1,405.3	509.4	432.5	76.87	6.626	
20,800.0	12,750.0	17,619.0	12,619.5	72.3	52.4	-56.91	-8,299.5	-1,405.3	423.7	338.9	84.74	5.000	
20,900.0	12,750.0	17,619.0	12,619.5	73.1	52.4	-56.91	-8,299.5	-1,405.3	345.7	250.1	95.58	3.617	
21,000.0	12,750.0	17,619.0	12,619.5	74.0	52.4	-56.91	-8,299.5	-1,405.3	282.1	173.2	108.90	2.590	Normal Operations
21,100.0	12,750.0	17,619.0	12,619.5	74.8	52.4	-56.91	-8,299.5	-1,405.3	244.1	125.1	119.05	2.050	Caution - Monitor Closely
21,172.2	12,750.0	17,595.1	12,620.0	75.4	52.2	-57.02	-8,323.3	-1,404.9	238.8	119.3	119.51	1.998	Caution - Monitor Closely
21,200.0	12,750.0	17,567.3	12,620.5	75.6	52.0	-57.14	-8,351.2	-1,404.5	238.6	119.1	119.56	1.996	Caution - Monitor Closely
21,216.4	12,750.0	17,552.4	12,620.8	75.7	51.8	-57.21	-8,366.1	-1,404.3	238.6	119.0	119.54	1.996	Caution - Monitor Closely
21,300.0	12,750.0	17,475.3	12,620.6	76.4	51.1	-57.49	-8,443.1	-1,401.1	240.8	121.4	119.40	2.017	Caution - Monitor Closely
21,400.0	12,750.0	17,365.9	12,623.2	77.2	50.1	-58.23	-8,552.4	-1,398.3	240.8	120.7	120.12	2.005	Caution - Monitor Closely
21,500.0	12,750.0	17,262.2	12,627.4	78.0	49.2	-59.16	-8,656.0	-1,396.7	239.1	118.4	120.70	1.981	Caution - Monitor Closely
21,600.0	12,750.0	17,159.5	12,633.0	78.8	48.3	-60.21	-8,758.6	-1,396.6	235.6	114.3	121.34	1.942	Caution - Monitor Closely
21,700.0	12,750.0	17,061.8	12,637.3	79.7	47.4	-60.94	-8,856.1	-1,397.1	232.1	110.4	121.75	1.907	Caution - Monitor Closely
21,783.5	12,750.0	16,984.8	12,638.8	80.3	46.8	-61.21	-8,933.1	-1,396.9	230.7	109.0	121.80	1.895	Caution - Monitor Closely
21,800.0	12,750.0	16,969.9	12,639.0	80.5	46.6	-61.26	-8,948.0	-1,396.7	230.8	109.0	121.78	1.895	Caution - Monitor Closely
21,900.0	12,750.0	16,881.1	12,638.9	81.3	45.8	-61.58	-9,036.7	-1,392.8	233.8	112.3	121.52	1.924	Caution - Monitor Closely
22,000.0	12,750.0	16,770.7	12,638.9	82.1	44.8	-62.31	-9,146.9	-1,385.5	239.0	116.4	122.58	1.949	Caution - Monitor Closely
22,100.0	12,750.0	16,674.4	12,643.4	82.9	43.9	-63.62	-9,243.0	-1,381.2	240.0	116.8	123.22	1.948	Caution - Monitor Closely
22,200.0	12,750.0	16,581.6	12,647.2	83.8	43.1	-65.09	-9,335.4	-1,374.0	244.3	120.5	123.72	1.974	Caution - Monitor Closely
22,300.0	12,750.0	16,475.2	12,648.7	84.6	42.2	-66.08	-9,441.5	-1,365.8	249.8	125.0	124.82	2.002	Caution - Monitor Closely
22,400.0	12,750.0	16,367.4	12,650.8	85.4	41.2	-66.72	-9,549.2	-1,362.5	251.0	125.2	125.80	1.995	Caution - Monitor Closely
22,500.0	12,750.0	16,261.8	12,653.6	86.2	40.3	-67.31	-9,654.7	-1,361.4	250.0	123.3	126.64	1.974	Caution - Monitor Closely
22,548.1	12,750.0	16,219.1	12,654.5	86.6	39.9	-67.49	-9,697.4	-1,361.2	249.4	122.7	126.73	1.968	Caution - Monitor Closely
22,600.0	12,750.0	16,173.8	12,654.8	87.1	39.6	-67.62	-9,742.7	-1,360.0	250.1	123.4	126.69	1.974	Caution - Monitor Closely
22,700.0	12,750.0	16,065.3	12,655.3	87.9	38.6	-67.88	-9,851.1	-1,357.1	251.4	123.8	127.62	1.970	Caution - Monitor Closely
22,800.0	12,750.0	15,965.7	12,658.0	88.7	37.8	-68.47	-9,950.7	-1,355.9	250.6	122.3	128.34	1.953	Caution - Monitor Closely
22,825.4	12,750.0	15,941.7	12,658.7	88.9	37.6	-68.64	-9,974.7	-1,355.5	250.5	122.0	128.48	1.950	Caution - Monitor Closely
22,900.0	12,750.0	15,869.5	12,660.1	89.5	37.0	-69.03	-10,046.9	-1,353.6	251.1	122.2	128.92	1.948	Caution - Monitor Closely
23,000.0	12,750.0	15,761.4	12,663.8	90.4	36.1	-69.81	-10,154.9	-1,352.5	249.9	119.8	130.10	1.921	Caution - Monitor Closely
23,100.0	12,750.0	15,662.8	12,667.6	91.2	35.3	-70.59	-10,253.4	-1,352.2	248.0	117.0	130.95	1.894	Caution - Monitor Closely
23,200.0	12,750.0	15,562.7	12,669.2	92.0	34.5	-70.87	-10,353.5	-1,352.4	246.3	114.7	131.65	1.871	Caution - Monitor Closely
23,300.0	12,750.0	15,459.1	12,670.4	92.9	33.7	-70.96	-10,457.1	-1,353.4	244.1	111.7	132.41	1.843	Caution - Monitor Closely
23,400.0	12,750.0	15,354.8	12,673.3	93.7	32.8	-71.32	-10,561.3	-1,356.1	239.8	106.5	133.31	1.799	Caution - Monitor Closely
23,500.0	12,750.0	15,252.4	12,674.5	94.5	32.1	-71.17	-10,663.6	-1,360.7	234.3	100.3	133.94	1.749	Caution - Monitor Closely
23,600.0	12,750.0	15,156.9	12,675.0	95.4	31.3	-70.84	-10,759.0	-1,365.2	228.7	94.3	134.36	1.702	Caution - Monitor Closely
23,700.0	12,750.0	15,056.5	12,674.9	96.2	30.6	-70.47	-10,859.3	-1,368.2	224.9	90.0	134.88	1.668	Caution - Monitor Closely
23,800.0	12,750.0	14,959.3	12,675.6	97.0	29.9	-70.31	-10,956.5	-1,371.3	220.7	85.3	135.42	1.630	Caution - Monitor Closely
23,858.3	12,750.0	14,908.0	12,675.7	97.5	29.4	-70.23	-11,007.7	-1,371.9	219.6	84.1	135.50	1.620	Caution - Monitor Closely, CC
23,900.0	12,750.0	14,873.4	12,675.4	97.8	29.2	-70.21	-11,042.3	-1,371.1	220.2	84.9	135.37	1.627	Caution - Monitor Closely
24,000.0	12,750.0	14,768.8	12,675.0	98.7	28.3	-70.45	-11,146.8	-1,365.9	224.2	87.7	136.47	1.643	Caution - Monitor Closely
24,100.0	12,750.0	14,654.0	12,678.2	99.5	27.4	-71.28	-11,261.5	-1,366.4	223.5	85.4	138.15	1.618	Caution - Monitor Closely
24,126.7	12,750.0	14,630.1	12,679.0	99.7	27.3	-71.47	-11,285.5	-1,367.2	223.2	84.8	138.39	1.613	Caution - Monitor Closely
24,128.5	12,750.0	14,628.5	12,679.1	99.8	27.3	-71.48	-11,287.0	-1,367.2	223.2	84.8	138.41	1.613	Caution - Monitor Closely
24,200.0	12,750.0	14,565.8	12,681.3	100.3	26.8	-72.19	-11,349.7	-1,367.2	224.7	85.7	138.99	1.617	Caution - Monitor Closely
24,300.0	12,750.0	14,474.2	12,685.2	101.2	26.1	-73.63	-11,441.1	-1,363.5	230.7	90.7	140.01	1.648	Caution - Monitor Closely
24,378.5	12,750.0	14,381.7	12,689.2	101.8	25.4	-75.01	-11,533.5	-1,360.6	234.9	92.9	141.96	1.655	Caution - Monitor Closely

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - CAVE LION 5 WA FEDERAL 009H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 183-r.5 MWD+IFR1

Offset Well Error: 0.0 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
24,400.0	12,750.0	14,359.9	12,690.1	102.0	25.3	-75.24	-11,555.2	-1,360.8	235.1	92.9	142.24	1.653	Caution - Monitor Closely
24,500.0	12,750.0	14,272.1	12,691.6	102.9	24.6	-75.75	-11,643.0	-1,359.4	237.2	94.4	142.74	1.662	Caution - Monitor Closely
24,507.0	12,750.0	14,264.0	12,691.7	102.9	24.6	-75.78	-11,651.0	-1,359.1	237.4	94.5	142.87	1.661	Caution - Monitor Closely
24,600.0	12,750.0	14,163.4	12,694.5	103.7	24.0	-76.46	-11,751.6	-1,357.7	237.0	92.7	144.37	1.642	Caution - Monitor Closely
24,624.0	12,750.0	14,142.0	12,695.1	103.9	23.8	-76.61	-11,773.1	-1,357.4	236.9	92.4	144.53	1.639	Caution - Monitor Closely
24,700.0	12,750.0	14,070.0	12,695.8	104.5	23.4	-76.86	-11,845.0	-1,355.4	238.0	93.0	145.09	1.641	Caution - Monitor Closely
24,800.0	12,750.0	13,962.4	12,697.3	105.4	22.7	-77.17	-11,952.6	-1,355.0	237.1	90.6	146.52	1.618	Caution - Monitor Closely
24,849.0	12,750.0	13,916.9	12,697.6	105.8	22.5	-77.21	-11,998.0	-1,354.8	236.7	89.9	146.82	1.612	Caution - Monitor Closely
24,900.0	12,750.0	13,866.0	12,697.4	106.2	22.2	-77.17	-12,049.0	-1,354.2	236.9	89.6	147.28	1.608	Caution - Monitor Closely
24,993.7	12,750.0	13,772.2	12,698.4	107.0	21.8	-77.41	-12,142.7	-1,353.6	236.3	88.1	148.28	1.594	Caution - Monitor Closely
25,000.0	12,750.0	13,766.5	12,698.5	107.0	21.7	-77.42	-12,148.5	-1,353.5	236.3	88.0	148.32	1.593	Caution - Monitor Closely
25,100.0	12,750.0	13,669.1	12,698.9	107.9	21.3	-77.59	-12,245.8	-1,351.0	237.8	88.6	149.21	1.594	Caution - Monitor Closely
25,200.0	12,750.0	13,564.9	12,700.0	108.7	20.9	-77.89	-12,350.0	-1,349.3	238.1	87.6	150.55	1.582	Caution - Monitor Closely
25,274.5	12,750.0	13,491.4	12,701.0	109.3	20.6	-78.10	-12,423.5	-1,348.9	237.7	86.3	151.33	1.570	Caution - Monitor Closely
25,300.0	12,750.0	13,467.8	12,701.1	109.5	20.5	-78.13	-12,447.1	-1,348.5	237.8	86.3	151.50	1.569	Caution - Monitor Closely
25,400.0	12,750.0	13,363.1	12,701.2	110.4	20.2	-78.20	-12,551.8	-1,346.5	238.7	85.9	152.78	1.562	Caution - Monitor Closely
25,497.6	12,750.0	13,268.3	12,702.6	111.2	19.9	-78.48	-12,646.5	-1,346.8	237.1	83.4	153.77	1.542	Caution - Monitor Closely
25,500.0	12,750.0	13,266.1	12,702.6	111.2	19.9	-78.47	-12,648.7	-1,346.8	237.1	83.4	153.77	1.542	Caution - Monitor Closely, ES, SF
25,600.0	12,750.0	13,166.0	12,697.3	112.1	19.7	-77.22	-12,748.7	-1,346.2	237.9	83.6	154.23	1.542	Caution - Monitor Closely
25,696.2	12,750.0	13,069.0	12,687.5	112.9	19.6	-74.76	-12,845.1	-1,347.9	237.7	83.7	153.99	1.544	Caution - Monitor Closely
25,699.9	12,750.0	13,065.3	12,686.9	112.9	19.6	-74.62	-12,848.8	-1,348.0	237.7	83.8	153.95	1.544	Caution - Monitor Closely
25,707.0	12,750.0	13,058.3	12,685.9	113.0	19.6	-74.36	-12,855.7	-1,348.2	237.7	83.8	153.87	1.545	Caution - Monitor Closely
25,800.0	12,750.0	12,969.6	12,669.5	113.7	19.5	-70.19	-12,942.8	-1,351.5	237.4	85.4	152.00	1.562	Caution - Monitor Closely
25,827.9	12,750.0	12,944.2	12,663.7	114.0	19.5	-68.69	-12,967.5	-1,352.6	237.3	86.2	151.08	1.571	Caution - Monitor Closely
25,828.5	12,750.0	12,943.6	12,663.6	114.0	19.5	-68.66	-12,968.1	-1,352.6	237.3	86.2	151.06	1.571	Caution - Monitor Closely
25,900.0	12,750.0	12,883.3	12,645.2	114.6	19.4	-63.99	-13,025.4	-1,356.0	239.3	92.1	147.24	1.625	Caution - Monitor Closely
26,000.0	12,750.0	12,810.6	12,615.0	115.4	19.4	-56.87	-13,091.4	-1,360.4	251.7	113.1	138.60	1.816	Caution - Monitor Closely
26,078.5	12,750.0	12,766.0	12,593.6	116.1	19.4	-52.44	-13,130.4	-1,361.8	271.3	141.3	130.04	2.087	Caution - Monitor Closely
26,100.0	12,750.0	12,745.6	12,582.9	116.3	19.4	-50.33	-13,147.8	-1,362.2	278.1	149.9	128.26	2.168	Caution - Monitor Closely
26,200.0	12,750.0	12,689.7	12,550.1	117.1	19.4	-44.26	-13,193.1	-1,363.2	319.6	201.7	117.91	2.711	Normal Operations
26,284.3	12,750.0	12,658.8	12,529.9	117.7	19.3	-41.39	-13,216.4	-1,363.8	364.7	255.9	108.85	3.351	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - CAVE LION 5 WC FEDERAL 002H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 183-r.5 MWD+IFR1

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Rule Assigned: No-Go Distance (usft)	Separation Factor	Warning
21,200.0	12,750.0	17,593.0	13,144.4	75.6	50.3	116.95	-8,823.5	-2,376.1	986.4	887.2	99.18	9.945	
21,300.0	12,750.0	17,593.0	13,144.4	76.4	50.3	116.95	-8,823.5	-2,376.1	943.4	839.2	104.25	9.050	
21,400.0	12,750.0	17,593.0	13,144.4	77.2	50.3	116.95	-8,823.5	-2,376.1	909.5	800.5	109.00	8.344	
21,500.0	12,750.0	17,593.0	13,144.4	78.0	50.3	116.95	-8,823.5	-2,376.1	885.7	772.5	113.14	7.828	
21,600.0	12,750.0	17,593.0	13,144.4	78.8	50.3	116.95	-8,823.5	-2,376.1	872.7	756.4	116.34	7.501	
21,664.1	12,750.0	17,593.0	13,144.4	79.4	50.3	116.95	-8,823.5	-2,376.1	870.3	752.5	117.79	7.389	
21,700.0	12,750.0	17,567.4	13,145.1	79.7	50.1	116.99	-8,849.0	-2,375.8	870.7	752.7	118.03	7.377	
21,800.0	12,750.0	17,450.3	13,148.0	80.5	49.1	117.18	-8,966.1	-2,374.1	871.5	753.5	118.00	7.385	
21,900.0	12,750.0	17,328.9	13,147.7	81.3	48.1	117.25	-9,087.4	-2,370.0	869.2	751.3	117.94	7.370	
22,000.0	12,750.0	17,241.3	13,146.3	82.1	47.4	117.22	-9,175.0	-2,367.3	866.6	748.0	118.56	7.309	
22,100.0	12,750.0	17,150.5	13,144.3	82.9	46.7	117.11	-9,265.7	-2,366.2	865.3	746.2	119.19	7.260	
22,150.4	12,750.0	17,106.6	13,143.4	83.4	46.3	117.05	-9,309.7	-2,366.0	865.1	745.6	119.54	7.237	
22,200.0	12,750.0	17,064.4	13,143.1	83.8	46.0	117.02	-9,351.8	-2,365.9	865.3	745.5	119.88	7.218	
22,300.0	12,750.0	16,965.6	13,143.6	84.6	45.2	117.02	-9,450.6	-2,366.0	866.5	746.2	120.35	7.200	
22,400.0	12,750.0	16,877.3	13,144.9	85.4	44.5	117.07	-9,538.9	-2,365.9	868.0	747.1	120.94	7.177	
22,500.0	12,750.0	16,762.5	13,148.6	86.2	43.6	117.27	-9,653.6	-2,365.3	870.0	748.9	121.12	7.183	
22,600.0	12,750.0	16,650.6	13,150.1	87.1	42.7	117.39	-9,765.5	-2,363.2	869.8	748.4	121.40	7.165	
22,670.0	12,750.0	16,586.9	13,151.6	87.6	42.2	117.51	-9,829.2	-2,361.6	869.5	747.8	121.79	7.140	
22,700.0	12,750.0	16,559.6	13,152.5	87.9	42.0	117.58	-9,856.4	-2,360.8	869.6	747.7	121.94	7.131	
22,800.0	12,750.0	16,467.8	13,155.8	88.7	41.3	117.79	-9,948.2	-2,359.1	870.5	748.0	122.46	7.108	
22,900.0	12,750.0	16,361.6	13,157.5	89.5	40.4	117.90	-10,054.4	-2,358.0	871.2	748.3	122.90	7.089	
23,000.0	12,750.0	16,265.2	13,157.7	90.4	39.7	117.87	-10,150.8	-2,358.2	872.3	748.8	123.56	7.060	
23,100.0	12,750.0	16,150.6	13,155.2	91.2	38.9	117.71	-10,265.3	-2,357.5	871.5	747.4	124.10	7.022	
23,131.7	12,750.0	16,125.0	13,154.6	91.5	38.7	117.67	-10,290.9	-2,357.5	871.4	747.0	124.41	7.004	
23,200.0	12,750.0	16,071.7	13,153.5	92.0	38.3	117.57	-10,344.1	-2,358.0	871.9	746.8	125.10	6.970	
23,300.0	12,750.0	15,993.6	13,154.2	92.9	37.7	117.54	-10,422.3	-2,359.6	875.1	749.1	125.99	6.946	
23,400.0	12,750.0	15,889.4	13,156.1	93.7	37.0	117.55	-10,526.4	-2,361.9	878.7	752.1	126.62	6.939	
23,500.0	12,750.0	15,809.2	13,158.7	94.5	36.4	117.61	-10,606.5	-2,364.2	883.6	756.2	127.41	6.935	
23,600.0	12,750.0	15,699.7	13,163.5	95.4	35.7	117.74	-10,715.9	-2,367.7	889.4	761.4	127.98	6.949	
23,700.0	12,750.0	15,559.9	13,163.8	96.2	34.8	117.65	-10,855.6	-2,369.9	891.6	763.2	128.43	6.942	
23,800.0	12,750.0	15,456.0	13,162.4	97.0	34.1	117.56	-10,959.6	-2,369.5	891.6	762.3	129.21	6.900	
23,807.8	12,750.0	15,448.4	13,162.4	97.1	34.0	117.56	-10,967.2	-2,369.4	891.6	762.3	129.28	6.897	
23,900.0	12,750.0	15,357.5	13,162.7	97.8	33.4	117.58	-11,058.0	-2,368.4	891.6	761.6	129.99	6.859	
24,000.0	12,750.0	15,217.8	13,158.0	98.7	32.5	117.36	-11,197.6	-2,365.2	888.6	758.2	130.38	6.815	
24,100.0	12,750.0	15,153.0	13,156.0	99.5	32.1	117.36	-11,262.3	-2,363.2	884.2	752.5	131.71	6.714	
24,128.5	12,750.0	15,121.1	13,155.8	99.8	32.0	117.40	-11,294.2	-2,362.6	882.8	750.9	131.87	6.694	
24,200.0	12,750.0	15,058.0	13,156.4	100.3	31.6	117.52	-11,357.3	-2,362.0	880.2	747.7	132.46	6.645	
24,300.0	12,750.0	14,954.8	13,155.4	101.2	31.0	117.57	-11,460.5	-2,362.1	876.8	743.6	133.23	6.581	
24,378.5	12,750.0	14,887.9	13,155.4	101.8	30.6	117.65	-11,527.4	-2,361.8	874.1	740.1	133.94	6.526	
24,400.0	12,750.0	14,870.0	13,156.0	102.0	30.5	117.70	-11,545.3	-2,361.6	873.6	739.5	134.11	6.514	
24,454.8	12,750.0	14,815.5	13,158.1	102.5	30.2	117.87	-11,599.7	-2,360.9	873.1	738.6	134.47	6.493	
24,500.0	12,750.0	14,770.7	13,159.9	102.9	30.0	117.99	-11,644.5	-2,360.3	873.4	738.6	134.77	6.481	
24,507.0	12,750.0	14,763.2	13,160.2	102.9	29.9	118.01	-11,652.0	-2,360.2	873.5	738.7	134.82	6.479	
24,600.0	12,750.0	14,661.7	13,163.2	103.7	29.4	118.19	-11,753.4	-2,359.0	874.7	739.3	135.43	6.459	
24,700.0	12,750.0	14,555.0	13,163.2	104.5	28.9	118.20	-11,860.1	-2,357.7	874.4	738.1	136.25	6.417	
24,706.5	12,750.0	14,549.6	13,163.2	104.6	28.8	118.20	-11,865.5	-2,357.6	874.4	738.0	136.32	6.414	
24,800.0	12,750.0	14,445.3	13,164.7	105.4	28.3	118.30	-11,969.8	-2,356.3	874.9	737.9	136.98	6.387	
24,900.0	12,750.0	14,324.8	13,163.7	106.2	27.8	118.37	-12,090.2	-2,351.0	871.4	733.8	137.58	6.334	
25,000.0	12,750.0	14,246.1	13,163.4	107.0	27.5	118.42	-12,168.8	-2,348.1	868.8	730.0	138.77	6.261	
25,100.0	12,750.0	14,148.0	13,164.5	107.9	27.1	118.52	-12,266.8	-2,346.1	868.5	728.8	139.67	6.218	
25,169.1	12,750.0	14,091.5	13,164.8	108.5	26.8	118.56	-12,323.3	-2,344.8	867.9	727.5	140.43	6.180	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: BOATER FED COM PROJECT - CAVE LION 5 WC FEDERAL 002H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 183-r.5 MWD+IFR1

Offset Well Error: 0.0 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
25,200.0	12,750.0	14,074.3	13,165.0	108.7	26.8	118.56	-12,340.5	-2,344.8	868.3	727.5	140.82	6.166	
25,300.0	12,750.0	14,016.7	13,166.5	109.5	26.5	118.57	-12,398.1	-2,346.5	873.0	731.1	141.92	6.151	
25,400.0	12,750.0	13,892.1	13,168.2	110.4	26.1	118.48	-12,522.6	-2,351.5	877.9	734.9	142.95	6.141	
25,500.0	12,750.0	13,797.9	13,169.0	111.2	25.8	118.39	-12,616.7	-2,354.9	882.4	738.3	144.05	6.125	
25,600.0	12,750.0	13,660.8	13,170.8	112.1	25.5	118.34	-12,753.8	-2,358.4	886.5	741.6	144.91	6.118	
25,699.9	12,750.0	13,426.1	13,149.1	112.9	25.0	117.25	-12,986.7	-2,350.8	881.0	736.6	144.32	6.104	
25,707.0	12,750.0	13,415.7	13,146.6	113.0	25.0	117.12	-12,996.8	-2,350.2	879.9	735.5	144.40	6.094	
25,800.0	12,750.0	13,263.0	13,090.3	113.7	24.8	113.57	-13,138.0	-2,347.5	864.9	718.9	145.99	5.924	
25,828.5	12,750.0	13,169.0	13,034.9	114.0	24.8	109.90	-13,213.8	-2,349.2	859.0	712.6	146.37	5.869	
25,900.0	12,750.0	12,956.7	12,866.0	114.6	24.8	98.33	-13,339.7	-2,347.6	837.9	689.1	148.77	5.632	
26,000.0	12,750.0	12,910.4	12,823.9	115.4	24.8	95.33	-13,358.9	-2,346.6	812.7	657.1	155.68	5.221	
26,078.5	12,750.0	12,877.9	12,793.7	116.1	24.8	93.16	-13,371.0	-2,346.1	799.8	639.3	160.49	4.983	
26,100.0	12,750.0	12,868.3	12,784.7	116.3	24.8	92.51	-13,374.3	-2,346.0	797.2	635.5	161.67	4.931	
26,200.0	12,750.0	12,834.7	12,752.6	117.1	24.8	90.19	-13,384.2	-2,345.7	790.0	623.8	166.18	4.754	
26,227.4	12,750.0	12,827.8	12,745.9	117.3	24.8	89.71	-13,386.0	-2,345.7	789.5	622.6	166.98	4.728	CC, ES
26,284.3	12,750.0	12,815.5	12,734.0	117.7	24.8	88.84	-13,388.9	-2,345.6	791.5	623.3	168.18	4.706	SF

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #603H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 11546-r.5 MWD+IFR1+MS

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Rule Assigned: No-Go Distance (usft)	Separation Factor	Warning
11,600.0	11,392.1	19,619.5	12,294.1	21.5	58.9	-90.26	94.2	-1,864.7	919.0	822.3	96.72	9.501	
11,700.0	11,492.1	19,620.4	12,294.1	21.6	58.9	-90.58	93.2	-1,864.7	821.0	724.2	96.83	8.479	
11,800.0	11,592.1	19,621.4	12,294.1	21.6	59.0	-90.89	92.3	-1,864.6	723.7	626.8	96.90	7.468	
11,900.0	11,692.1	19,622.4	12,294.1	21.7	59.0	-91.20	91.3	-1,864.6	627.1	530.2	96.92	6.471	
12,000.0	11,792.1	19,623.3	12,294.1	21.7	59.0	-91.52	90.4	-1,864.5	531.9	435.0	96.83	5.493	
12,100.0	11,892.1	19,624.3	12,294.1	21.7	59.0	-91.82	89.4	-1,864.5	438.7	342.2	96.56	4.544	
12,200.0	11,992.1	19,625.2	12,294.2	21.8	59.0	-92.13	88.5	-1,864.4	349.4	253.5	95.87	3.644	
12,300.0	12,092.1	19,626.1	12,294.2	21.8	59.0	-92.44	87.5	-1,864.4	267.7	173.4	94.29	2.839	Normal Operations
12,400.0	12,192.1	19,627.1	12,294.2	21.9	59.0	-92.74	86.6	-1,864.3	203.1	112.0	91.09	2.229	Caution - Monitor Closely
12,480.4	12,272.5	19,627.8	12,294.2	21.9	59.0	-92.98	85.9	-1,864.3	176.9	88.5	88.38	2.001	Caution - Monitor Closely
12,500.0	12,292.1	19,628.4	12,294.2	21.9	59.0	87.56	85.3	-1,864.3	175.5	87.4	88.16	1.991	Caution - Monitor Closely
12,502.4	12,294.5	19,628.5	12,294.2	21.9	59.0	87.52	85.1	-1,864.3	175.5	87.4	88.15	1.991	Caution - Monitor Closely, CC, ES, SF
12,525.0	12,317.0	19,630.3	12,294.2	21.9	59.0	86.76	83.4	-1,864.2	176.9	88.6	88.28	2.004	Caution - Monitor Closely
12,550.0	12,341.8	19,633.5	12,294.2	21.9	59.0	85.14	80.1	-1,864.0	181.7	92.8	88.83	2.045	Caution - Monitor Closely
12,575.0	12,366.5	19,638.1	12,294.3	21.9	59.1	82.72	75.6	-1,863.8	189.4	99.8	89.68	2.112	Caution - Monitor Closely
12,600.0	12,390.8	19,643.9	12,294.3	21.9	59.1	79.56	69.8	-1,863.4	199.8	109.1	90.69	2.203	Caution - Monitor Closely
12,625.0	12,414.9	19,650.9	12,294.4	21.9	59.2	75.74	62.8	-1,863.1	212.1	120.4	91.74	2.313	Caution - Monitor Closely
12,650.0	12,438.5	19,659.3	12,294.5	21.9	59.2	71.40	54.5	-1,862.6	226.1	133.4	92.74	2.438	Caution - Monitor Closely
12,675.0	12,461.7	19,668.8	12,294.5	21.9	59.3	66.71	45.0	-1,862.1	241.2	147.5	93.67	2.575	Normal Operations
12,700.0	12,484.4	19,679.4	12,294.6	21.9	59.4	61.84	34.3	-1,861.5	257.1	162.6	94.51	2.720	Normal Operations
12,725.0	12,506.5	19,691.2	12,294.6	21.9	59.5	56.99	22.6	-1,860.8	273.4	178.1	95.25	2.870	Normal Operations
12,750.0	12,528.0	19,704.1	12,294.7	21.9	59.6	52.30	9.7	-1,860.0	289.9	194.0	95.92	3.022	
12,775.0	12,548.7	19,718.0	12,294.7	21.9	59.7	47.90	-4.2	-1,859.2	306.4	209.9	96.53	3.175	
12,800.0	12,568.8	19,732.9	12,294.8	21.9	59.8	43.85	-19.0	-1,858.2	322.8	225.7	97.07	3.325	
12,825.0	12,587.9	19,749.0	12,294.8	21.9	59.9	40.17	-35.1	-1,857.2	338.8	241.2	97.57	3.472	
12,850.0	12,606.3	19,766.5	12,294.8	21.9	60.0	36.85	-52.5	-1,856.0	354.3	256.3	98.03	3.614	
12,875.0	12,623.7	19,784.9	12,294.8	21.9	60.2	33.93	-70.9	-1,854.8	369.2	270.7	98.46	3.750	
12,900.0	12,640.1	19,804.3	12,294.8	21.9	60.3	31.36	-90.2	-1,853.4	383.4	284.6	98.86	3.878	
12,925.0	12,655.6	19,824.5	12,294.8	21.9	60.5	29.12	-110.4	-1,851.9	396.8	297.6	99.25	3.998	
12,950.0	12,670.0	19,845.9	12,294.9	21.9	60.6	27.15	-131.8	-1,850.3	409.4	309.8	99.61	4.110	
12,975.0	12,683.3	19,868.7	12,295.0	22.0	60.8	25.42	-154.5	-1,848.6	420.9	321.0	99.96	4.211	
13,000.0	12,695.4	19,892.1	12,295.3	22.0	61.0	23.94	-177.8	-1,846.9	431.5	331.2	100.29	4.302	
13,025.0	12,706.5	19,914.6	12,295.5	22.0	61.2	22.72	-200.3	-1,845.1	440.9	340.3	100.62	4.382	
13,050.0	12,716.3	19,937.6	12,295.8	22.1	61.3	21.67	-223.2	-1,843.4	449.3	348.3	100.94	4.451	
13,075.0	12,724.9	19,953.0	12,296.0	22.1	61.5	20.96	-238.6	-1,842.2	456.6	355.3	101.30	4.508	
13,100.0	12,732.3	19,953.0	12,296.0	22.2	61.5	20.64	-238.6	-1,842.2	463.8	362.2	101.58	4.566	
13,125.0	12,738.4	19,953.0	12,296.0	22.2	61.5	20.32	-238.6	-1,842.2	471.0	369.4	101.63	4.635	
13,150.0	12,743.2	19,953.0	12,296.0	22.3	61.5	20.01	-238.6	-1,842.2	478.3	376.9	101.47	4.714	
13,175.0	12,746.8	19,953.0	12,296.0	22.3	61.5	19.70	-238.6	-1,842.2	485.6	384.5	101.10	4.804	
13,200.0	12,749.0	19,953.0	12,296.0	22.4	61.5	19.39	-238.6	-1,842.2	492.9	392.4	100.53	4.903	
13,225.0	12,749.9	19,953.0	12,296.0	22.4	61.5	19.09	-238.6	-1,842.2	500.2	400.4	99.78	5.013	
13,230.4	12,750.0	19,953.0	12,296.0	22.5	61.5	19.02	-238.6	-1,842.2	501.8	402.2	99.59	5.038	
13,300.0	12,750.0	19,953.0	12,296.0	22.7	61.5	19.02	-238.6	-1,842.2	526.2	429.5	96.64	5.445	
13,400.0	12,750.0	19,953.0	12,296.0	22.9	61.5	19.02	-238.6	-1,842.2	574.3	483.1	91.27	6.293	
13,500.0	12,750.0	19,953.0	12,296.0	23.3	61.5	19.02	-238.6	-1,842.2	634.7	549.1	85.60	7.415	
13,600.0	12,750.0	19,953.0	12,296.0	23.6	61.5	19.02	-238.6	-1,842.2	704.2	623.9	80.31	8.768	
13,700.0	12,750.0	19,953.0	12,296.0	23.9	61.5	19.02	-238.6	-1,842.2	780.3	704.6	75.68	10.311	
13,800.0	12,750.0	19,953.0	12,296.0	24.3	61.5	19.02	-238.6	-1,842.2	861.3	789.6	71.74	12.007	
13,900.0	12,750.0	19,953.0	12,296.0	24.7	61.5	19.02	-238.6	-1,842.2	946.0	877.6	68.43	13.823	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #702H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 99-Standard Keeper 104, 1233-r.5 MWD+IFR1+MS

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
12,300.0	12,092.1	20,090.0	12,728.4	21.8	59.3	88.49	114.8	-935.4	986.5	884.5	102.00	9.671	
12,400.0	12,192.1	20,090.3	12,728.4	21.9	59.3	88.51	114.6	-935.4	925.1	824.4	100.72	9.185	
12,480.4	12,272.5	20,090.5	12,728.4	21.9	59.3	88.53	114.3	-935.4	881.0	781.6	99.40	8.863	
12,500.0	12,292.1	20,090.8	12,728.4	21.9	59.3	-92.26	114.0	-935.4	871.0	772.0	99.03	8.795	
12,525.0	12,317.0	20,092.0	12,728.4	21.9	59.3	-93.85	112.8	-935.4	858.8	760.3	98.54	8.715	
12,550.0	12,341.8	20,094.1	12,728.4	21.9	59.3	-95.25	110.7	-935.3	847.2	749.2	98.02	8.643	
12,575.0	12,366.5	20,097.2	12,728.4	21.9	59.3	-96.47	107.7	-935.2	836.4	738.9	97.49	8.579	
12,600.0	12,390.8	20,101.2	12,728.4	21.9	59.4	-97.50	103.7	-935.1	826.2	729.3	96.94	8.523	
12,625.0	12,414.9	20,106.2	12,728.5	21.9	59.4	-98.35	98.7	-935.0	816.8	720.5	96.38	8.475	
12,650.0	12,438.5	20,112.2	12,728.6	21.9	59.4	-99.01	92.7	-934.8	808.2	712.4	95.81	8.436	
12,675.0	12,461.7	20,119.1	12,728.8	21.9	59.5	-99.51	85.7	-934.6	800.4	705.2	95.24	8.404	
12,700.0	12,484.4	20,137.0	12,729.3	21.9	59.6	-99.19	67.9	-934.0	793.6	698.6	94.98	8.355	
12,725.0	12,506.5	20,137.0	12,729.3	21.9	59.6	-99.95	67.9	-934.0	787.3	693.2	94.17	8.361	
12,750.0	12,528.0	20,149.2	12,729.7	21.9	59.7	-99.84	55.7	-933.6	782.0	688.3	93.71	8.345	
12,775.0	12,548.7	20,163.8	12,730.3	21.9	59.8	-99.53	41.1	-933.0	777.3	684.0	93.31	8.331	
12,800.0	12,568.8	20,179.5	12,730.9	21.9	59.9	-99.10	25.5	-932.5	773.4	680.5	92.94	8.322	
12,825.0	12,587.9	20,196.3	12,731.7	21.9	60.0	-98.57	8.7	-931.9	770.2	677.5	92.61	8.316	
12,850.0	12,606.3	20,214.1	12,732.6	21.9	60.2	-97.95	-9.2	-931.3	767.5	675.2	92.32	8.314	
12,875.0	12,623.7	20,233.0	12,733.6	21.9	60.3	-97.28	-28.0	-930.7	765.4	673.3	92.07	8.313 SF	
12,900.0	12,640.1	20,252.8	12,734.6	21.9	60.4	-96.56	-47.8	-930.0	763.7	671.9	91.85	8.315	
12,925.0	12,655.6	20,273.3	12,735.7	21.9	60.6	-95.82	-68.2	-929.3	762.5	670.8	91.68	8.318	
12,950.0	12,670.0	20,294.5	12,736.7	21.9	60.7	-95.06	-89.3	-928.6	761.7	670.2	91.54	8.321	
12,975.0	12,683.3	20,316.3	12,737.7	22.0	60.9	-94.31	-111.1	-927.9	761.2	669.8	91.43	8.326	
13,000.0	12,695.4	20,339.2	12,738.7	22.0	61.1	-93.56	-134.0	-927.1	761.0	669.6	91.38	8.328	
13,012.9	12,701.3	20,351.5	12,739.2	22.0	61.1	-93.18	-146.3	-926.7	761.0	669.6	91.37	8.329 CC, ES	
13,025.0	12,706.5	20,363.1	12,739.6	22.0	61.2	-92.83	-157.9	-926.4	761.0	669.6	91.37	8.329	
13,050.0	12,716.3	20,387.0	12,740.4	22.1	61.4	-92.16	-181.7	-925.6	761.2	669.8	91.38	8.329	
13,075.0	12,724.9	20,410.7	12,741.2	22.1	61.6	-91.57	-205.4	-924.9	761.5	670.0	91.42	8.329	
13,100.0	12,732.3	20,434.9	12,742.0	22.2	61.7	-91.04	-229.5	-924.1	761.9	670.4	91.50	8.326	
13,125.0	12,738.4	20,435.0	12,742.0	22.2	61.7	-90.94	-229.7	-924.1	762.7	671.7	91.04	8.377	
13,150.0	12,743.2	20,435.0	12,742.0	22.3	61.7	-90.73	-229.7	-924.1	764.4	673.8	90.56	8.441	
13,175.0	12,746.8	20,435.0	12,742.0	22.3	61.7	-90.43	-229.7	-924.1	766.9	676.9	90.04	8.518	
13,200.0	12,749.0	20,435.0	12,742.0	22.4	61.7	-90.02	-229.7	-924.1	770.3	680.8	89.48	8.608	
13,225.0	12,749.9	20,435.0	12,742.0	22.4	61.7	-89.52	-229.7	-924.1	774.4	685.5	88.90	8.711	
13,230.4	12,750.0	20,435.0	12,742.0	22.5	61.7	-89.40	-229.7	-924.1	775.4	686.6	88.76	8.735	
13,300.0	12,750.0	20,435.0	12,742.0	22.7	61.7	-89.40	-229.7	-924.1	791.4	704.5	86.85	9.112	
13,400.0	12,750.0	20,435.0	12,742.0	22.9	61.7	-89.40	-229.7	-924.1	824.1	740.6	83.55	9.864	
13,500.0	12,750.0	20,435.0	12,742.0	23.3	61.7	-89.40	-229.7	-924.1	867.3	787.4	79.89	10.856	
13,600.0	12,750.0	20,435.0	12,742.0	23.6	61.7	-89.40	-229.7	-924.1	919.3	843.1	76.16	12.071	
13,700.0	12,750.0	20,435.0	12,742.0	23.9	61.7	-89.40	-229.7	-924.1	978.8	906.2	72.56	13.489	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #703H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 12076-r.5 MWD+IFR1+MS

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Rule Assigned: No-Go Distance (usft)	Separation Factor	Warning
11,800.0	11,592.1	19,813.7	12,558.2	21.6	59.1	91.29	89.8	-1,457.1	993.5	896.3	97.21	10.220	
11,900.0	11,692.1	19,813.5	12,558.2	21.7	59.1	91.23	90.0	-1,457.1	896.6	799.4	97.26	9.219	
12,000.0	11,792.1	19,813.2	12,558.2	21.7	59.1	91.16	90.3	-1,457.1	800.4	703.2	97.25	8.231	
12,100.0	11,892.1	19,812.9	12,558.2	21.7	59.1	91.09	90.6	-1,457.1	705.3	608.1	97.17	7.259	
12,200.0	11,992.1	19,812.6	12,558.2	21.8	59.1	91.01	90.9	-1,457.1	611.8	514.8	96.97	6.309	
12,300.0	12,092.1	19,812.2	12,558.2	21.8	59.1	90.92	91.3	-1,457.1	520.6	424.1	96.56	5.391	
12,400.0	12,192.1	19,811.8	12,558.2	21.9	59.1	90.82	91.7	-1,457.1	433.4	337.6	95.79	4.524	
12,480.4	12,272.5	19,811.4	12,558.2	21.9	59.1	90.72	92.1	-1,457.1	368.0	273.3	94.72	3.885	
12,500.0	12,292.1	19,811.6	12,558.2	21.9	59.1	-91.46	91.9	-1,457.1	353.0	258.6	94.37	3.741	
12,525.0	12,317.0	19,812.7	12,558.2	21.9	59.1	-94.47	90.8	-1,457.1	334.6	240.7	93.87	3.564	
12,550.0	12,341.8	19,814.7	12,558.2	21.9	59.1	-96.89	88.8	-1,457.1	317.1	223.8	93.31	3.398	
12,575.0	12,366.5	19,817.8	12,558.1	21.9	59.1	-98.72	85.8	-1,457.1	300.8	208.1	92.70	3.245	
12,600.0	12,390.8	19,821.9	12,558.2	21.9	59.1	-99.96	81.6	-1,457.1	285.9	193.8	92.04	3.106	
12,625.0	12,414.9	19,827.1	12,558.2	21.9	59.2	-100.63	76.4	-1,457.0	272.5	181.2	91.35	2.983	Normal Operations
12,650.0	12,438.5	19,833.5	12,558.3	21.9	59.2	-100.74	70.0	-1,457.0	260.9	170.2	90.67	2.877	Normal Operations
12,675.0	12,461.7	19,849.0	12,558.6	21.9	59.3	-98.59	54.5	-1,456.7	251.4	161.1	90.22	2.786	Normal Operations
12,700.0	12,484.4	19,850.4	12,558.7	21.9	59.4	-99.25	53.1	-1,456.6	243.6	154.1	89.50	2.722	Normal Operations
12,725.0	12,506.5	19,864.9	12,559.0	21.9	59.5	-96.87	38.6	-1,456.3	238.0	148.8	89.21	2.668	Normal Operations
12,750.0	12,528.0	19,880.2	12,559.2	21.9	59.6	-94.15	23.4	-1,456.1	234.2	145.2	89.06	2.630	Normal Operations
12,775.0	12,548.7	19,896.1	12,559.2	21.9	59.7	-91.13	7.4	-1,456.0	232.3	143.2	89.07	2.608	Normal Operations
12,790.6	12,561.3	19,906.3	12,559.1	21.9	59.8	-89.11	-2.8	-1,456.0	232.0	142.8	89.17	2.602	Normal Operations, CC, ES
12,800.0	12,568.8	19,912.6	12,559.0	21.9	59.8	-87.85	-9.1	-1,456.1	232.1	142.9	89.26	2.600	Normal Operations, SF
12,825.0	12,587.9	19,929.8	12,558.6	21.9	59.9	-84.39	-26.2	-1,456.2	233.4	143.8	89.62	2.605	Normal Operations
12,850.0	12,606.3	19,947.1	12,557.9	21.9	60.1	-80.86	-43.5	-1,456.5	236.1	146.0	90.12	2.620	Normal Operations
12,875.0	12,623.7	19,964.7	12,557.3	21.9	60.2	-77.33	-61.1	-1,456.9	240.0	149.3	90.73	2.645	Normal Operations
12,900.0	12,640.1	19,983.5	12,556.7	21.9	60.3	-73.75	-79.9	-1,457.2	244.7	153.3	91.39	2.678	Normal Operations
12,925.0	12,655.6	20,003.3	12,556.2	21.9	60.5	-70.23	-99.7	-1,457.6	250.1	158.0	92.09	2.716	Normal Operations
12,950.0	12,670.0	20,024.2	12,555.8	21.9	60.6	-66.86	-120.6	-1,458.0	255.8	163.0	92.78	2.757	Normal Operations
12,975.0	12,683.3	20,045.1	12,555.5	22.0	60.8	-63.80	-141.5	-1,458.4	261.6	168.1	93.45	2.799	Normal Operations
13,000.0	12,695.4	20,066.3	12,555.7	22.0	60.9	-61.13	-162.7	-1,458.5	267.4	173.3	94.07	2.842	Normal Operations
13,025.0	12,706.5	20,088.8	12,556.5	22.0	61.1	-58.81	-185.2	-1,458.2	273.0	178.3	94.62	2.885	Normal Operations
13,050.0	12,716.3	20,112.1	12,557.3	22.1	61.3	-56.78	-208.5	-1,457.8	278.1	183.0	95.13	2.924	Normal Operations
13,075.0	12,724.9	20,135.9	12,558.2	22.1	61.4	-55.06	-232.2	-1,457.5	282.7	187.1	95.59	2.958	Normal Operations
13,100.0	12,732.3	20,139.0	12,558.3	22.2	61.5	-54.44	-235.3	-1,457.4	287.5	191.5	95.96	2.996	Normal Operations
13,125.0	12,738.4	20,139.0	12,558.3	22.2	61.5	-53.83	-235.3	-1,457.4	293.6	197.8	95.81	3.064	
13,150.0	12,743.2	20,139.0	12,558.3	22.3	61.5	-53.09	-235.3	-1,457.4	300.9	205.7	95.14	3.162	
13,175.0	12,746.8	20,139.0	12,558.3	22.3	61.5	-52.24	-235.3	-1,457.4	309.3	215.3	94.01	3.290	
13,200.0	12,749.0	20,139.0	12,558.3	22.4	61.5	-51.28	-235.3	-1,457.4	318.7	226.3	92.48	3.447	
13,225.0	12,749.9	20,139.0	12,558.3	22.4	61.5	-50.22	-235.3	-1,457.4	329.1	238.5	90.62	3.632	
13,230.4	12,750.0	20,139.0	12,558.3	22.5	61.5	-49.98	-235.3	-1,457.4	331.4	241.3	90.18	3.675	
13,300.0	12,750.0	20,139.0	12,558.3	22.7	61.5	-49.98	-235.3	-1,457.4	367.2	283.2	84.05	4.369	
13,400.0	12,750.0	20,139.0	12,558.3	22.9	61.5	-49.98	-235.3	-1,457.4	433.3	357.8	75.47	5.741	
13,500.0	12,750.0	20,139.0	12,558.3	23.3	61.5	-49.98	-235.3	-1,457.4	510.5	442.0	68.49	7.454	
13,600.0	12,750.0	20,139.0	12,558.3	23.6	61.5	-49.98	-235.3	-1,457.4	594.6	531.3	63.22	9.404	
13,700.0	12,750.0	20,139.0	12,558.3	23.9	61.5	-49.98	-235.3	-1,457.4	682.9	623.6	59.31	11.515	
13,800.0	12,750.0	20,139.0	12,558.3	24.3	61.5	-49.98	-235.3	-1,457.4	774.1	717.7	56.39	13.729	
13,900.0	12,750.0	20,139.0	12,558.3	24.7	61.5	-49.98	-235.3	-1,457.4	867.3	813.1	54.18	16.008	
14,000.0	12,750.0	20,139.0	12,558.3	25.1	61.5	-49.98	-235.3	-1,457.4	961.8	909.3	52.48	18.327	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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: GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #704H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 11959-r.5 MWD+IFR1+MS

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
12,000.0	11,792.1	19,966.9	12,546.1	21.7	59.0	-92.87	64.9	-2,288.6	963.8	868.6	95.27	10.117	
12,100.0	11,892.1	19,964.3	12,546.2	21.7	58.9	-92.63	67.5	-2,288.6	887.8	793.2	94.61	9.384	
12,200.0	11,992.1	19,961.7	12,546.2	21.8	58.9	-92.38	70.1	-2,288.7	816.9	723.1	93.76	8.713	
12,300.0	12,092.1	19,959.2	12,546.3	21.8	58.9	-92.14	72.6	-2,288.7	752.7	660.0	92.70	8.119	
12,400.0	12,192.1	19,956.7	12,546.4	21.9	58.9	-91.90	75.1	-2,288.8	696.9	605.4	91.47	7.618	
12,480.4	12,272.5	19,954.7	12,546.4	21.9	58.9	-91.71	77.1	-2,288.8	659.6	569.2	90.41	7.296	
12,500.0	12,292.1	19,954.6	12,546.4	21.9	58.9	89.90	77.2	-2,288.8	651.7	561.6	90.16	7.229	
12,525.0	12,317.0	19,955.6	12,546.4	21.9	58.9	91.02	76.2	-2,288.8	642.4	552.6	89.85	7.150	
12,550.0	12,341.8	19,957.8	12,546.3	21.9	58.9	91.89	73.9	-2,288.8	633.9	544.4	89.56	7.078	
12,575.0	12,366.5	19,961.4	12,546.2	21.9	58.9	92.51	70.4	-2,288.7	626.3	537.0	89.30	7.014	
12,600.0	12,390.8	19,966.1	12,546.1	21.9	59.0	92.89	65.7	-2,288.6	619.7	530.6	89.08	6.957	
12,625.0	12,414.9	19,972.1	12,546.0	21.9	59.0	93.04	59.7	-2,288.5	614.0	525.1	88.89	6.908	
12,650.0	12,438.5	19,979.2	12,545.8	21.9	59.1	92.96	52.5	-2,288.4	609.3	520.6	88.75	6.866	
12,675.0	12,461.7	19,987.6	12,545.6	21.9	59.1	92.67	44.2	-2,288.3	605.6	516.9	88.65	6.831	
12,700.0	12,484.4	19,997.0	12,545.3	21.9	59.2	92.18	34.8	-2,288.1	602.8	514.2	88.60	6.803	
12,725.0	12,506.5	20,007.6	12,545.0	21.9	59.3	91.50	24.2	-2,288.0	600.9	512.3	88.60	6.782	
12,750.0	12,528.0	20,019.3	12,544.7	21.9	59.4	90.66	12.5	-2,287.8	599.8	511.2	88.65	6.766	
12,770.8	12,545.3	20,029.8	12,544.3	21.9	59.4	89.84	2.0	-2,287.7	599.6	510.8	88.72	6.758 CC	
12,775.0	12,548.7	20,032.0	12,544.3	21.9	59.4	89.66	-0.2	-2,287.6	599.6	510.8	88.74	6.756 ES	
12,800.0	12,568.8	20,046.5	12,543.9	21.9	59.6	88.47	-14.7	-2,287.5	600.0	511.2	88.89	6.750	
12,825.0	12,587.9	20,062.4	12,543.4	21.9	59.7	87.15	-30.6	-2,287.3	601.1	512.1	89.08	6.748 SF	
12,850.0	12,606.3	20,079.4	12,543.0	21.9	59.8	85.74	-47.6	-2,287.0	602.8	513.5	89.30	6.750	
12,875.0	12,623.7	20,097.5	12,542.5	21.9	59.9	84.27	-65.6	-2,286.8	604.8	515.3	89.56	6.753	
12,900.0	12,640.1	20,116.5	12,542.1	21.9	60.1	82.76	-84.7	-2,286.5	607.2	517.4	89.85	6.758	
12,925.0	12,655.6	20,136.3	12,541.7	21.9	60.2	81.27	-104.4	-2,286.2	609.9	519.7	90.15	6.765	
12,950.0	12,670.0	20,156.2	12,541.3	21.9	60.4	79.84	-124.3	-2,285.9	612.7	522.2	90.47	6.772	
12,975.0	12,683.3	20,176.8	12,540.8	22.0	60.5	78.44	-144.9	-2,285.6	615.6	524.8	90.80	6.780	
13,000.0	12,695.4	20,198.0	12,540.3	22.0	60.7	77.10	-166.1	-2,285.3	618.6	527.4	91.14	6.787	
13,025.0	12,706.5	20,220.0	12,539.7	22.0	60.9	75.84	-188.1	-2,284.9	621.5	530.0	91.49	6.793	
13,050.0	12,716.3	20,242.7	12,539.1	22.1	61.0	74.67	-210.8	-2,284.6	624.2	532.4	91.83	6.798	
13,075.0	12,724.9	20,265.9	12,538.5	22.1	61.2	73.61	-234.0	-2,284.2	626.8	534.6	92.18	6.800	
13,100.0	12,732.3	20,274.0	12,538.3	22.2	61.3	73.08	-242.1	-2,284.1	629.3	536.9	92.42	6.809	
13,125.0	12,738.4	20,274.0	12,538.3	22.2	61.3	72.73	-242.1	-2,284.1	632.4	539.8	92.51	6.836	
13,150.0	12,743.2	20,274.0	12,538.3	22.3	61.3	72.30	-242.1	-2,284.1	636.0	543.5	92.49	6.877	
13,175.0	12,746.8	20,274.0	12,538.3	22.3	61.3	71.82	-242.1	-2,284.1	640.2	547.8	92.35	6.932	
13,200.0	12,749.0	20,274.0	12,538.3	22.4	61.3	71.27	-242.1	-2,284.1	644.9	552.8	92.10	7.002	
13,225.0	12,749.9	20,274.0	12,538.3	22.4	61.3	70.66	-242.1	-2,284.1	650.2	558.4	91.74	7.088	
13,230.4	12,750.0	20,274.0	12,538.3	22.5	61.3	70.52	-242.1	-2,284.1	651.4	559.7	91.64	7.108	
13,300.0	12,750.0	20,274.0	12,538.3	22.7	61.3	70.52	-242.1	-2,284.1	670.5	580.4	90.10	7.441	
13,400.0	12,750.0	20,274.0	12,538.3	22.9	61.3	70.52	-242.1	-2,284.1	709.0	621.9	87.06	8.144	
13,500.0	12,750.0	20,274.0	12,538.3	23.3	61.3	70.52	-242.1	-2,284.1	758.9	675.4	83.49	9.089	
13,600.0	12,750.0	20,274.0	12,538.3	23.6	61.3	70.52	-242.1	-2,284.1	818.0	738.1	79.81	10.249	
13,700.0	12,750.0	20,274.0	12,538.3	23.9	61.3	70.52	-242.1	-2,284.1	884.4	808.1	76.29	11.593	
13,800.0	12,750.0	20,274.0	12,538.3	24.3	61.3	70.52	-242.1	-2,284.1	956.8	883.7	73.07	13.094	

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

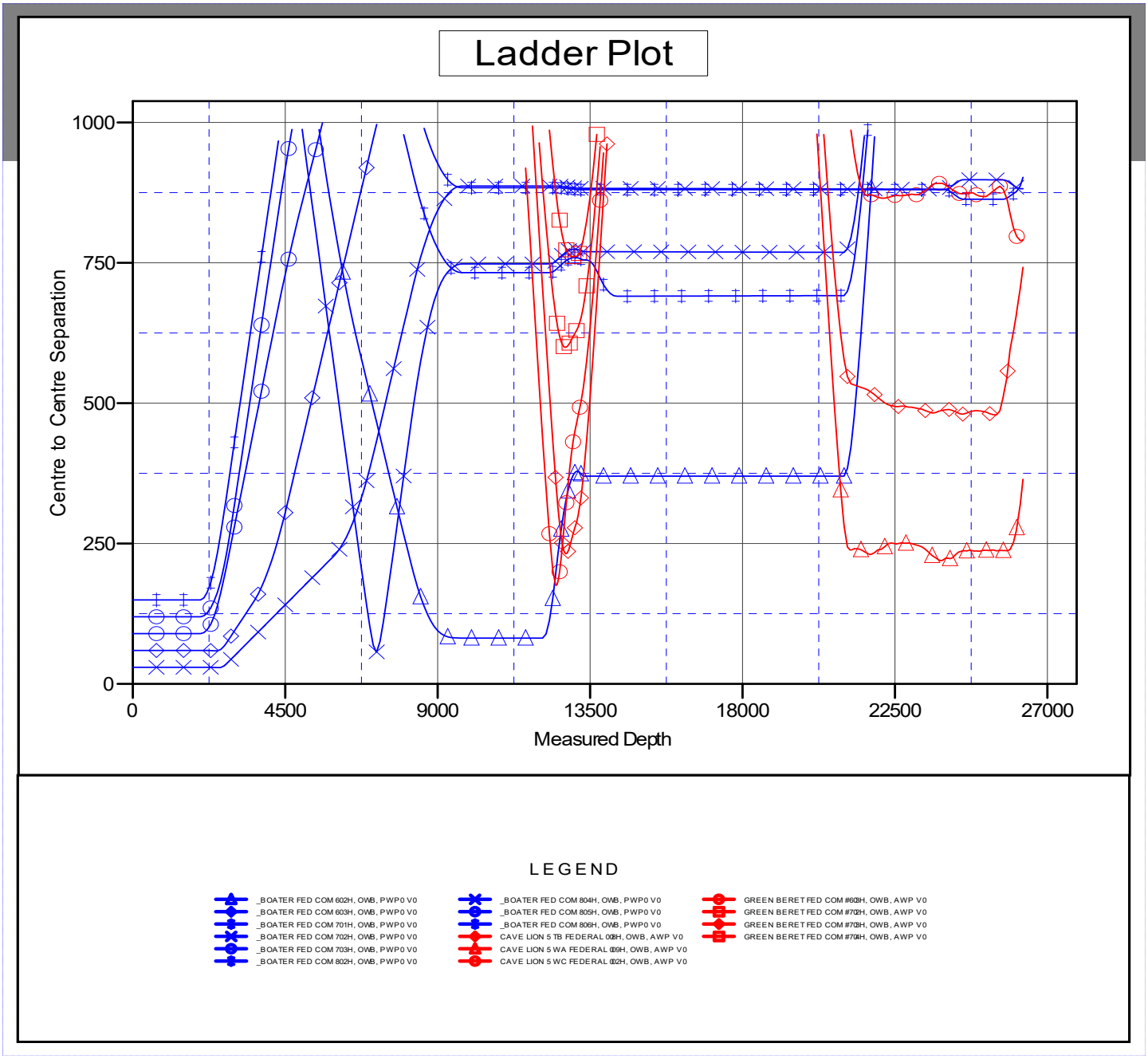
ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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 @ 3252.0usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: _BOATER FED COM 803H - Slot BOATER FED COM
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.50°



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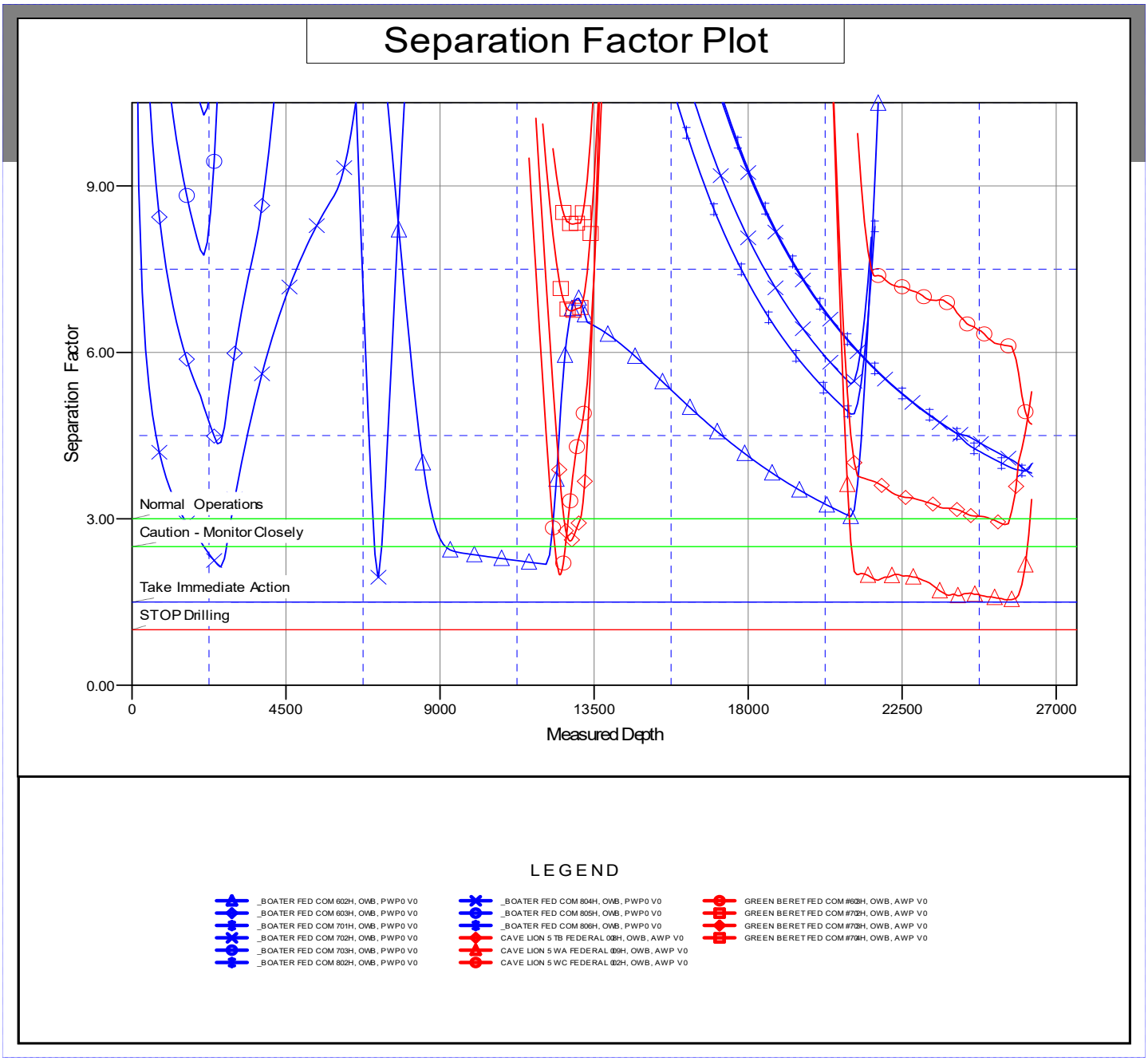
Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3252.0usft
Reference Site:	BOATER FED COM PROJECT	**MD Reference:**	KB @ 3252.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	_BOATER FED COM 803H	**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 @ 3252.0usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: _BOATER FED COM 803H - Slot BOATER FED COM
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.50°



DELAWARE BASIN EAST

LEA COUNTY SOUTHEAST
BOATER FED COM PROJECT
_BOATER FED COM 803H - Slot BOATER FED COM 803H

OWB

Plan: PWP0

Standard Planning Report

24 April, 2025

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Company:	DELAWARE BASIN EAST	**TVD Reference:**	KB @ 3252.0usft
Project:	LEA COUNTY SOUTHEAST	**MD Reference:**	KB @ 3252.0usft
Site:	BOATER FED COM PROJECT	**North Reference:**	Grid
Well:	_BOATER FED COM 803H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Wellbore OWB

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2024	4/24/2025	6.04	59.61	47,140.22934321

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	186.60

Plan Survey Tool Program **Date** 4/24/2025

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	26,284.0	PWP0 (OWB)	r.5 MWD+IFR1+SAG+FDIR ISCWSA MWD + IFR1 + SAG ·	

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,742.5	14.85	273.22	2,734.2	5.4	-95.5	2.00	2.00	0.00	273.22	
8,222.9	14.85	273.22	8,031.5	84.3	-1,497.9	0.00	0.00	0.00	0.00	
9,707.9	0.00	0.00	9,500.0	95.0	-1,689.0	1.00	-1.00	0.00	180.00	
12,480.4	0.00	0.00	12,272.5	95.0	-1,689.0	0.00	0.00	0.00	0.00	
13,230.4	90.00	179.43	12,750.0	-382.4	-1,684.3	12.00	12.00	0.00	179.43	
24,000.0	90.00	179.43	12,750.0	-11,151.5	-1,577.1	0.00	0.00	0.00	0.00	
24,128.5	90.00	182.00	12,750.0	-11,280.0	-1,578.7	2.00	0.00	2.00	90.00	
24,378.5	90.00	182.00	12,750.0	-11,529.8	-1,587.4	0.00	0.00	0.00	0.00	
24,507.0	90.00	179.43	12,750.0	-11,658.3	-1,589.0	2.00	0.00	-2.00	-90.00	
25,707.0	90.00	179.43	12,750.0	-12,858.2	-1,577.1	0.00	0.00	0.00	0.00	
25,828.5	90.00	177.00	12,750.0	-12,979.7	-1,573.3	2.00	0.00	-2.00	-90.00	
26,078.5	90.00	177.00	12,750.0	-13,229.3	-1,560.2	0.00	0.00	0.00	0.00	
26,200.0	90.00	179.43	12,750.0	-13,350.8	-1,556.5	2.00	0.00	2.00	90.00	
26,284.3	90.00	179.43	12,750.0	-13,435.1	-1,555.6	0.00	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Company:	DELAWARE BASIN EAST	**TVD Reference:**	KB @ 3252.0usft
Project:	LEA COUNTY SOUTHEAST	**MD Reference:**	KB @ 3252.0usft
Site:	BOATER FED COM PROJECT	**North Reference:**	Grid
Well:	_BOATER FED COM 803H	**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
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	2.00	273.22	2,100.0	0.1	-1.7	0.1	2.00	2.00	0.00
2,200.0	4.00	273.22	2,199.8	0.4	-7.0	0.4	2.00	2.00	0.00
2,300.0	6.00	273.22	2,299.5	0.9	-15.7	0.9	2.00	2.00	0.00
2,400.0	8.00	273.22	2,398.7	1.6	-27.8	1.6	2.00	2.00	0.00
2,500.0	10.00	273.22	2,497.5	2.4	-43.5	2.6	2.00	2.00	0.00
2,600.0	12.00	273.22	2,595.6	3.5	-62.5	3.7	2.00	2.00	0.00
2,700.0	14.00	273.22	2,693.1	4.8	-85.0	5.0	2.00	2.00	0.00
2,742.5	14.85	273.22	2,734.2	5.4	-95.5	5.7	2.00	2.00	0.00
2,800.0	14.85	273.22	2,789.8	6.2	-110.2	6.5	0.00	0.00	0.00
2,900.0	14.85	273.22	2,886.5	7.6	-135.8	8.0	0.00	0.00	0.00
3,000.0	14.85	273.22	2,983.1	9.1	-161.4	9.5	0.00	0.00	0.00
3,100.0	14.85	273.22	3,079.8	10.5	-187.0	11.1	0.00	0.00	0.00
3,200.0	14.85	273.22	3,176.4	12.0	-212.6	12.6	0.00	0.00	0.00
3,300.0	14.85	273.22	3,273.1	13.4	-238.2	14.1	0.00	0.00	0.00
3,400.0	14.85	273.22	3,369.8	14.8	-263.8	15.6	0.00	0.00	0.00
3,500.0	14.85	273.22	3,466.4	16.3	-289.4	17.1	0.00	0.00	0.00
3,600.0	14.85	273.22	3,563.1	17.7	-315.0	18.6	0.00	0.00	0.00
3,700.0	14.85	273.22	3,659.7	19.2	-340.6	20.1	0.00	0.00	0.00
3,800.0	14.85	273.22	3,756.4	20.6	-366.1	21.7	0.00	0.00	0.00
3,900.0	14.85	273.22	3,853.1	22.0	-391.7	23.2	0.00	0.00	0.00
4,000.0	14.85	273.22	3,949.7	23.5	-417.3	24.7	0.00	0.00	0.00
4,100.0	14.85	273.22	4,046.4	24.9	-442.9	26.2	0.00	0.00	0.00
4,200.0	14.85	273.22	4,143.0	26.4	-468.5	27.7	0.00	0.00	0.00
4,300.0	14.85	273.22	4,239.7	27.8	-494.1	29.2	0.00	0.00	0.00
4,400.0	14.85	273.22	4,336.4	29.2	-519.7	30.7	0.00	0.00	0.00
4,500.0	14.85	273.22	4,433.0	30.7	-545.3	32.3	0.00	0.00	0.00
4,600.0	14.85	273.22	4,529.7	32.1	-570.9	33.8	0.00	0.00	0.00
4,700.0	14.85	273.22	4,626.3	33.5	-596.4	35.3	0.00	0.00	0.00
4,800.0	14.85	273.22	4,723.0	35.0	-622.0	36.8	0.00	0.00	0.00
4,900.0	14.85	273.22	4,819.6	36.4	-647.6	38.3	0.00	0.00	0.00
5,000.0	14.85	273.22	4,916.3	37.9	-673.2	39.8	0.00	0.00	0.00
5,100.0	14.85	273.22	5,013.0	39.3	-698.8	41.3	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Company:	DELAWARE BASIN EAST	**TVD Reference:**	KB @ 3252.0usft
Project:	LEA COUNTY SOUTHEAST	**MD Reference:**	KB @ 3252.0usft
Site:	BOATER FED COM PROJECT	**North Reference:**	Grid
Well:	_BOATER FED COM 803H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,200.0	14.85	273.22	5,109.6	40.7	-724.4	42.8	0.00	0.00	0.00
5,300.0	14.85	273.22	5,206.3	42.2	-750.0	44.4	0.00	0.00	0.00
5,400.0	14.85	273.22	5,302.9	43.6	-775.6	45.9	0.00	0.00	0.00
5,500.0	14.85	273.22	5,399.6	45.1	-801.2	47.4	0.00	0.00	0.00
5,600.0	14.85	273.22	5,496.3	46.5	-826.7	48.9	0.00	0.00	0.00
5,700.0	14.85	273.22	5,592.9	47.9	-852.3	50.4	0.00	0.00	0.00
5,800.0	14.85	273.22	5,689.6	49.4	-877.9	51.9	0.00	0.00	0.00
5,900.0	14.85	273.22	5,786.2	50.8	-903.5	53.4	0.00	0.00	0.00
6,000.0	14.85	273.22	5,882.9	52.3	-929.1	55.0	0.00	0.00	0.00
6,100.0	14.85	273.22	5,979.6	53.7	-954.7	56.5	0.00	0.00	0.00
6,200.0	14.85	273.22	6,076.2	55.1	-980.3	58.0	0.00	0.00	0.00
6,300.0	14.85	273.22	6,172.9	56.6	-1,005.9	59.5	0.00	0.00	0.00
6,400.0	14.85	273.22	6,269.5	58.0	-1,031.5	61.0	0.00	0.00	0.00
6,500.0	14.85	273.22	6,366.2	59.5	-1,057.1	62.5	0.00	0.00	0.00
6,600.0	14.85	273.22	6,462.9	60.9	-1,082.6	64.0	0.00	0.00	0.00
6,700.0	14.85	273.22	6,559.5	62.3	-1,108.2	65.5	0.00	0.00	0.00
6,800.0	14.85	273.22	6,656.2	63.8	-1,133.8	67.1	0.00	0.00	0.00
6,900.0	14.85	273.22	6,752.8	65.2	-1,159.4	68.6	0.00	0.00	0.00
7,000.0	14.85	273.22	6,849.5	66.7	-1,185.0	70.1	0.00	0.00	0.00
7,100.0	14.85	273.22	6,946.2	68.1	-1,210.6	71.6	0.00	0.00	0.00
7,200.0	14.85	273.22	7,042.8	69.5	-1,236.2	73.1	0.00	0.00	0.00
7,300.0	14.85	273.22	7,139.5	71.0	-1,261.8	74.6	0.00	0.00	0.00
7,400.0	14.85	273.22	7,236.1	72.4	-1,287.4	76.1	0.00	0.00	0.00
7,500.0	14.85	273.22	7,332.8	73.8	-1,312.9	77.7	0.00	0.00	0.00
7,600.0	14.85	273.22	7,429.5	75.3	-1,338.5	79.2	0.00	0.00	0.00
7,700.0	14.85	273.22	7,526.1	76.7	-1,364.1	80.7	0.00	0.00	0.00
7,800.0	14.85	273.22	7,622.8	78.2	-1,389.7	82.2	0.00	0.00	0.00
7,900.0	14.85	273.22	7,719.4	79.6	-1,415.3	83.7	0.00	0.00	0.00
8,000.0	14.85	273.22	7,816.1	81.0	-1,440.9	85.2	0.00	0.00	0.00
8,100.0	14.85	273.22	7,912.8	82.5	-1,466.5	86.7	0.00	0.00	0.00
8,200.0	14.85	273.22	8,009.4	83.9	-1,492.1	88.3	0.00	0.00	0.00
8,222.9	14.85	273.22	8,031.5	84.3	-1,497.9	88.6	0.00	0.00	0.00
8,300.0	14.08	273.22	8,106.2	85.3	-1,517.2	89.7	1.00	-1.00	0.00
8,400.0	13.08	273.22	8,203.4	86.7	-1,540.6	91.1	1.00	-1.00	0.00
8,500.0	12.08	273.22	8,301.0	87.9	-1,562.3	92.4	1.00	-1.00	0.00
8,600.0	11.08	273.22	8,399.0	89.0	-1,582.4	93.6	1.00	-1.00	0.00
8,700.0	10.08	273.22	8,497.3	90.0	-1,600.7	94.7	1.00	-1.00	0.00
8,800.0	9.08	273.22	8,595.9	91.0	-1,617.3	95.7	1.00	-1.00	0.00
8,900.0	8.08	273.22	8,694.8	91.8	-1,632.2	96.5	1.00	-1.00	0.00
9,000.0	7.08	273.22	8,793.9	92.5	-1,645.4	97.3	1.00	-1.00	0.00
9,100.0	6.08	273.22	8,893.2	93.2	-1,656.8	98.0	1.00	-1.00	0.00
9,200.0	5.08	273.22	8,992.8	93.7	-1,666.5	98.6	1.00	-1.00	0.00
9,300.0	4.08	273.22	9,092.4	94.2	-1,674.5	99.0	1.00	-1.00	0.00
9,400.0	3.08	273.22	9,192.2	94.5	-1,680.7	99.4	1.00	-1.00	0.00
9,500.0	2.08	273.22	9,292.1	94.8	-1,685.2	99.7	1.00	-1.00	0.00
9,600.0	1.08	273.22	9,392.1	94.9	-1,688.0	99.8	1.00	-1.00	0.00
9,700.0	0.08	273.22	9,492.1	95.0	-1,689.0	99.9	1.00	-1.00	0.00
9,707.9	0.00	0.00	9,500.0	95.0	-1,689.0	99.9	1.00	-1.00	0.00
9,800.0	0.00	0.00	9,592.1	95.0	-1,689.0	99.9	0.00	0.00	0.00
9,900.0	0.00	0.00	9,692.1	95.0	-1,689.0	99.9	0.00	0.00	0.00
10,000.0	0.00	0.00	9,792.1	95.0	-1,689.0	99.9	0.00	0.00	0.00
10,100.0	0.00	0.00	9,892.1	95.0	-1,689.0	99.9	0.00	0.00	0.00
10,200.0	0.00	0.00	9,992.1	95.0	-1,689.0	99.9	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Company:	DELAWARE BASIN EAST	**TVD Reference:**	KB @ 3252.0usft
Project:	LEA COUNTY SOUTHEAST	**MD Reference:**	KB @ 3252.0usft
Site:	BOATER FED COM PROJECT	**North Reference:**	Grid
Well:	_BOATER FED COM 803H	**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)
10,300.0	0.00	0.00	10,092.1	95.0	-1,689.0	99.9	0.00	0.00	0.00
10,400.0	0.00	0.00	10,192.1	95.0	-1,689.0	99.9	0.00	0.00	0.00
10,500.0	0.00	0.00	10,292.1	95.0	-1,689.0	99.9	0.00	0.00	0.00
10,600.0	0.00	0.00	10,392.1	95.0	-1,689.0	99.9	0.00	0.00	0.00
10,700.0	0.00	0.00	10,492.1	95.0	-1,689.0	99.9	0.00	0.00	0.00
10,800.0	0.00	0.00	10,592.1	95.0	-1,689.0	99.9	0.00	0.00	0.00
10,900.0	0.00	0.00	10,692.1	95.0	-1,689.0	99.9	0.00	0.00	0.00
11,000.0	0.00	0.00	10,792.1	95.0	-1,689.0	99.9	0.00	0.00	0.00
11,100.0	0.00	0.00	10,892.1	95.0	-1,689.0	99.9	0.00	0.00	0.00
11,200.0	0.00	0.00	10,992.1	95.0	-1,689.0	99.9	0.00	0.00	0.00
11,300.0	0.00	0.00	11,092.1	95.0	-1,689.0	99.9	0.00	0.00	0.00
11,400.0	0.00	0.00	11,192.1	95.0	-1,689.0	99.9	0.00	0.00	0.00
11,500.0	0.00	0.00	11,292.1	95.0	-1,689.0	99.9	0.00	0.00	0.00
11,600.0	0.00	0.00	11,392.1	95.0	-1,689.0	99.9	0.00	0.00	0.00
11,700.0	0.00	0.00	11,492.1	95.0	-1,689.0	99.9	0.00	0.00	0.00
11,800.0	0.00	0.00	11,592.1	95.0	-1,689.0	99.9	0.00	0.00	0.00
11,900.0	0.00	0.00	11,692.1	95.0	-1,689.0	99.9	0.00	0.00	0.00
12,000.0	0.00	0.00	11,792.1	95.0	-1,689.0	99.9	0.00	0.00	0.00
12,100.0	0.00	0.00	11,892.1	95.0	-1,689.0	99.9	0.00	0.00	0.00
12,200.0	0.00	0.00	11,992.1	95.0	-1,689.0	99.9	0.00	0.00	0.00
12,300.0	0.00	0.00	12,092.1	95.0	-1,689.0	99.9	0.00	0.00	0.00
12,400.0	0.00	0.00	12,192.1	95.0	-1,689.0	99.9	0.00	0.00	0.00
12,480.4	0.00	0.00	12,272.5	95.0	-1,689.0	99.9	0.00	0.00	0.00
12,500.0	2.35	179.43	12,292.1	94.6	-1,689.0	100.3	12.00	12.00	0.00
12,600.0	14.35	179.43	12,390.8	80.1	-1,688.9	114.7	12.00	12.00	0.00
12,700.0	26.35	179.43	12,484.4	45.4	-1,688.5	149.1	12.00	12.00	0.00
12,800.0	38.35	179.43	12,568.8	-8.0	-1,688.0	202.1	12.00	12.00	0.00
12,900.0	50.35	179.43	12,640.1	-77.8	-1,687.3	271.3	12.00	12.00	0.00
13,000.0	62.35	179.43	12,695.4	-160.9	-1,686.5	353.8	12.00	12.00	0.00
13,100.0	74.35	179.43	12,732.3	-253.7	-1,685.5	445.8	12.00	12.00	0.00
13,200.0	86.35	179.43	12,749.0	-352.1	-1,684.6	543.5	12.00	12.00	0.00
13,230.4	90.00	179.43	12,750.0	-382.4	-1,684.3	573.6	12.00	12.00	0.00
13,300.0	90.00	179.43	12,750.0	-452.0	-1,683.6	642.7	0.00	0.00	0.00
13,400.0	90.00	179.43	12,750.0	-552.0	-1,682.6	741.9	0.00	0.00	0.00
13,500.0	90.00	179.43	12,750.0	-652.0	-1,681.6	841.1	0.00	0.00	0.00
13,600.0	90.00	179.43	12,750.0	-752.0	-1,680.6	940.3	0.00	0.00	0.00
13,700.0	90.00	179.43	12,750.0	-852.0	-1,679.6	1,039.5	0.00	0.00	0.00
13,800.0	90.00	179.43	12,750.0	-952.0	-1,678.6	1,138.8	0.00	0.00	0.00
13,900.0	90.00	179.43	12,750.0	-1,052.0	-1,677.6	1,238.0	0.00	0.00	0.00
14,000.0	90.00	179.43	12,750.0	-1,152.0	-1,676.6	1,337.2	0.00	0.00	0.00
14,100.0	90.00	179.43	12,750.0	-1,252.0	-1,675.6	1,436.4	0.00	0.00	0.00
14,200.0	90.00	179.43	12,750.0	-1,352.0	-1,674.6	1,535.6	0.00	0.00	0.00
14,300.0	90.00	179.43	12,750.0	-1,452.0	-1,673.6	1,634.8	0.00	0.00	0.00
14,400.0	90.00	179.43	12,750.0	-1,552.0	-1,672.6	1,734.1	0.00	0.00	0.00
14,500.0	90.00	179.43	12,750.0	-1,652.0	-1,671.6	1,833.3	0.00	0.00	0.00
14,600.0	90.00	179.43	12,750.0	-1,752.0	-1,670.6	1,932.5	0.00	0.00	0.00
14,700.0	90.00	179.43	12,750.0	-1,852.0	-1,669.6	2,031.7	0.00	0.00	0.00
14,800.0	90.00	179.43	12,750.0	-1,952.0	-1,668.6	2,130.9	0.00	0.00	0.00
14,900.0	90.00	179.43	12,750.0	-2,051.9	-1,667.6	2,230.1	0.00	0.00	0.00
15,000.0	90.00	179.43	12,750.0	-2,151.9	-1,666.6	2,329.4	0.00	0.00	0.00
15,100.0	90.00	179.43	12,750.0	-2,251.9	-1,665.7	2,428.6	0.00	0.00	0.00
15,200.0	90.00	179.43	12,750.0	-2,351.9	-1,664.7	2,527.8	0.00	0.00	0.00
15,300.0	90.00	179.43	12,750.0	-2,451.9	-1,663.7	2,627.0	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Company:	DELAWARE BASIN EAST	**TVD Reference:**	KB @ 3252.0usft
Project:	LEA COUNTY SOUTHEAST	**MD Reference:**	KB @ 3252.0usft
Site:	BOATER FED COM PROJECT	**North Reference:**	Grid
Well:	_BOATER FED COM 803H	**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)
15,400.0	90.00	179.43	12,750.0	-2,551.9	-1,662.7	2,726.2	0.00	0.00	0.00
15,500.0	90.00	179.43	12,750.0	-2,651.9	-1,661.7	2,825.4	0.00	0.00	0.00
15,600.0	90.00	179.43	12,750.0	-2,751.9	-1,660.7	2,924.7	0.00	0.00	0.00
15,700.0	90.00	179.43	12,750.0	-2,851.9	-1,659.7	3,023.9	0.00	0.00	0.00
15,800.0	90.00	179.43	12,750.0	-2,951.9	-1,658.7	3,123.1	0.00	0.00	0.00
15,900.0	90.00	179.43	12,750.0	-3,051.9	-1,657.7	3,222.3	0.00	0.00	0.00
16,000.0	90.00	179.43	12,750.0	-3,151.9	-1,656.7	3,321.5	0.00	0.00	0.00
16,100.0	90.00	179.43	12,750.0	-3,251.9	-1,655.7	3,420.7	0.00	0.00	0.00
16,200.0	90.00	179.43	12,750.0	-3,351.9	-1,654.7	3,520.0	0.00	0.00	0.00
16,300.0	90.00	179.43	12,750.0	-3,451.9	-1,653.7	3,619.2	0.00	0.00	0.00
16,400.0	90.00	179.43	12,750.0	-3,551.9	-1,652.7	3,718.4	0.00	0.00	0.00
16,500.0	90.00	179.43	12,750.0	-3,651.9	-1,651.7	3,817.6	0.00	0.00	0.00
16,600.0	90.00	179.43	12,750.0	-3,751.9	-1,650.7	3,916.8	0.00	0.00	0.00
16,700.0	90.00	179.43	12,750.0	-3,851.9	-1,649.7	4,016.0	0.00	0.00	0.00
16,800.0	90.00	179.43	12,750.0	-3,951.9	-1,648.7	4,115.3	0.00	0.00	0.00
16,900.0	90.00	179.43	12,750.0	-4,051.8	-1,647.7	4,214.5	0.00	0.00	0.00
17,000.0	90.00	179.43	12,750.0	-4,151.8	-1,646.7	4,313.7	0.00	0.00	0.00
17,100.0	90.00	179.43	12,750.0	-4,251.8	-1,645.8	4,412.9	0.00	0.00	0.00
17,200.0	90.00	179.43	12,750.0	-4,351.8	-1,644.8	4,512.1	0.00	0.00	0.00
17,300.0	90.00	179.43	12,750.0	-4,451.8	-1,643.8	4,611.3	0.00	0.00	0.00
17,400.0	90.00	179.43	12,750.0	-4,551.8	-1,642.8	4,710.6	0.00	0.00	0.00
17,500.0	90.00	179.43	12,750.0	-4,651.8	-1,641.8	4,809.8	0.00	0.00	0.00
17,600.0	90.00	179.43	12,750.0	-4,751.8	-1,640.8	4,909.0	0.00	0.00	0.00
17,700.0	90.00	179.43	12,750.0	-4,851.8	-1,639.8	5,008.2	0.00	0.00	0.00
17,800.0	90.00	179.43	12,750.0	-4,951.8	-1,638.8	5,107.4	0.00	0.00	0.00
17,900.0	90.00	179.43	12,750.0	-5,051.8	-1,637.8	5,206.6	0.00	0.00	0.00
18,000.0	90.00	179.43	12,750.0	-5,151.8	-1,636.8	5,305.9	0.00	0.00	0.00
18,100.0	90.00	179.43	12,750.0	-5,251.8	-1,635.8	5,405.1	0.00	0.00	0.00
18,200.0	90.00	179.43	12,750.0	-5,351.8	-1,634.8	5,504.3	0.00	0.00	0.00
18,300.0	90.00	179.43	12,750.0	-5,451.8	-1,633.8	5,603.5	0.00	0.00	0.00
18,400.0	90.00	179.43	12,750.0	-5,551.8	-1,632.8	5,702.7	0.00	0.00	0.00
18,500.0	90.00	179.43	12,750.0	-5,651.8	-1,631.8	5,801.9	0.00	0.00	0.00
18,600.0	90.00	179.43	12,750.0	-5,751.8	-1,630.8	5,901.2	0.00	0.00	0.00
18,700.0	90.00	179.43	12,750.0	-5,851.8	-1,629.8	6,000.4	0.00	0.00	0.00
18,800.0	90.00	179.43	12,750.0	-5,951.8	-1,628.8	6,099.6	0.00	0.00	0.00
18,900.0	90.00	179.43	12,750.0	-6,051.7	-1,627.8	6,198.8	0.00	0.00	0.00
19,000.0	90.00	179.43	12,750.0	-6,151.7	-1,626.9	6,298.0	0.00	0.00	0.00
19,100.0	90.00	179.43	12,750.0	-6,251.7	-1,625.9	6,397.3	0.00	0.00	0.00
19,200.0	90.00	179.43	12,750.0	-6,351.7	-1,624.9	6,496.5	0.00	0.00	0.00
19,300.0	90.00	179.43	12,750.0	-6,451.7	-1,623.9	6,595.7	0.00	0.00	0.00
19,400.0	90.00	179.43	12,750.0	-6,551.7	-1,622.9	6,694.9	0.00	0.00	0.00
19,500.0	90.00	179.43	12,750.0	-6,651.7	-1,621.9	6,794.1	0.00	0.00	0.00
19,600.0	90.00	179.43	12,750.0	-6,751.7	-1,620.9	6,893.3	0.00	0.00	0.00
19,700.0	90.00	179.43	12,750.0	-6,851.7	-1,619.9	6,992.6	0.00	0.00	0.00
19,800.0	90.00	179.43	12,750.0	-6,951.7	-1,618.9	7,091.8	0.00	0.00	0.00
19,900.0	90.00	179.43	12,750.0	-7,051.7	-1,617.9	7,191.0	0.00	0.00	0.00
20,000.0	90.00	179.43	12,750.0	-7,151.7	-1,616.9	7,290.2	0.00	0.00	0.00
20,100.0	90.00	179.43	12,750.0	-7,251.7	-1,615.9	7,389.4	0.00	0.00	0.00
20,200.0	90.00	179.43	12,750.0	-7,351.7	-1,614.9	7,488.6	0.00	0.00	0.00
20,300.0	90.00	179.43	12,750.0	-7,451.7	-1,613.9	7,587.9	0.00	0.00	0.00
20,400.0	90.00	179.43	12,750.0	-7,551.7	-1,612.9	7,687.1	0.00	0.00	0.00
20,500.0	90.00	179.43	12,750.0	-7,651.7	-1,611.9	7,786.3	0.00	0.00	0.00
20,600.0	90.00	179.43	12,750.0	-7,751.7	-1,610.9	7,885.5	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Company:	DELAWARE BASIN EAST	**TVD Reference:**	KB @ 3252.0usft
Project:	LEA COUNTY SOUTHEAST	**MD Reference:**	KB @ 3252.0usft
Site:	BOATER FED COM PROJECT	**North Reference:**	Grid
Well:	_BOATER FED COM 803H	**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)
20,700.0	90.00	179.43	12,750.0	-7,851.7	-1,609.9	7,984.7	0.00	0.00	0.00
20,800.0	90.00	179.43	12,750.0	-7,951.7	-1,608.9	8,083.9	0.00	0.00	0.00
20,900.0	90.00	179.43	12,750.0	-8,051.6	-1,608.0	8,183.2	0.00	0.00	0.00
21,000.0	90.00	179.43	12,750.0	-8,151.6	-1,607.0	8,282.4	0.00	0.00	0.00
21,100.0	90.00	179.43	12,750.0	-8,251.6	-1,606.0	8,381.6	0.00	0.00	0.00
21,200.0	90.00	179.43	12,750.0	-8,351.6	-1,605.0	8,480.8	0.00	0.00	0.00
21,300.0	90.00	179.43	12,750.0	-8,451.6	-1,604.0	8,580.0	0.00	0.00	0.00
21,400.0	90.00	179.43	12,750.0	-8,551.6	-1,603.0	8,679.2	0.00	0.00	0.00
21,500.0	90.00	179.43	12,750.0	-8,651.6	-1,602.0	8,778.5	0.00	0.00	0.00
21,600.0	90.00	179.43	12,750.0	-8,751.6	-1,601.0	8,877.7	0.00	0.00	0.00
21,700.0	90.00	179.43	12,750.0	-8,851.6	-1,600.0	8,976.9	0.00	0.00	0.00
21,800.0	90.00	179.43	12,750.0	-8,951.6	-1,599.0	9,076.1	0.00	0.00	0.00
21,900.0	90.00	179.43	12,750.0	-9,051.6	-1,598.0	9,175.3	0.00	0.00	0.00
22,000.0	90.00	179.43	12,750.0	-9,151.6	-1,597.0	9,274.5	0.00	0.00	0.00
22,100.0	90.00	179.43	12,750.0	-9,251.6	-1,596.0	9,373.8	0.00	0.00	0.00
22,200.0	90.00	179.43	12,750.0	-9,351.6	-1,595.0	9,473.0	0.00	0.00	0.00
22,300.0	90.00	179.43	12,750.0	-9,451.6	-1,594.0	9,572.2	0.00	0.00	0.00
22,400.0	90.00	179.43	12,750.0	-9,551.6	-1,593.0	9,671.4	0.00	0.00	0.00
22,500.0	90.00	179.43	12,750.0	-9,651.6	-1,592.0	9,770.6	0.00	0.00	0.00
22,600.0	90.00	179.43	12,750.0	-9,751.6	-1,591.0	9,869.8	0.00	0.00	0.00
22,700.0	90.00	179.43	12,750.0	-9,851.6	-1,590.0	9,969.1	0.00	0.00	0.00
22,800.0	90.00	179.43	12,750.0	-9,951.6	-1,589.0	10,068.3	0.00	0.00	0.00
22,900.0	90.00	179.43	12,750.0	-10,051.5	-1,588.1	10,167.5	0.00	0.00	0.00
23,000.0	90.00	179.43	12,750.0	-10,151.5	-1,587.1	10,266.7	0.00	0.00	0.00
23,100.0	90.00	179.43	12,750.0	-10,251.5	-1,586.1	10,365.9	0.00	0.00	0.00
23,200.0	90.00	179.43	12,750.0	-10,351.5	-1,585.1	10,465.1	0.00	0.00	0.00
23,300.0	90.00	179.43	12,750.0	-10,451.5	-1,584.1	10,564.4	0.00	0.00	0.00
23,400.0	90.00	179.43	12,750.0	-10,551.5	-1,583.1	10,663.6	0.00	0.00	0.00
23,500.0	90.00	179.43	12,750.0	-10,651.5	-1,582.1	10,762.8	0.00	0.00	0.00
23,600.0	90.00	179.43	12,750.0	-10,751.5	-1,581.1	10,862.0	0.00	0.00	0.00
23,700.0	90.00	179.43	12,750.0	-10,851.5	-1,580.1	10,961.2	0.00	0.00	0.00
23,800.0	90.00	179.43	12,750.0	-10,951.5	-1,579.1	11,060.4	0.00	0.00	0.00
23,900.0	90.00	179.43	12,750.0	-11,051.5	-1,578.1	11,159.7	0.00	0.00	0.00
24,000.0	90.00	179.43	12,750.0	-11,151.5	-1,577.1	11,258.9	0.00	0.00	0.00
24,100.0	90.00	181.43	12,750.0	-11,251.5	-1,577.9	11,358.3	2.00	0.00	2.00
24,128.5	90.00	182.00	12,750.0	-11,280.0	-1,578.7	11,386.7	2.00	0.00	2.00
24,200.0	90.00	182.00	12,750.0	-11,351.4	-1,581.2	11,458.0	0.00	0.00	0.00
24,300.0	90.00	182.00	12,750.0	-11,451.4	-1,584.7	11,557.6	0.00	0.00	0.00
24,378.5	90.00	182.00	12,750.0	-11,529.8	-1,587.4	11,635.9	0.00	0.00	0.00
24,400.0	90.00	181.57	12,750.0	-11,551.3	-1,588.1	11,657.3	2.00	0.00	-2.00
24,500.0	90.00	179.57	12,750.0	-11,651.3	-1,589.1	11,756.8	2.00	0.00	-2.00
24,507.0	90.00	179.43	12,750.0	-11,658.3	-1,589.0	11,763.7	2.00	0.00	-2.00
24,600.0	90.00	179.43	12,750.0	-11,751.3	-1,588.1	11,856.0	0.00	0.00	0.00
24,700.0	90.00	179.43	12,750.0	-11,851.3	-1,587.1	11,955.2	0.00	0.00	0.00
24,800.0	90.00	179.43	12,750.0	-11,951.3	-1,586.1	12,054.4	0.00	0.00	0.00
24,900.0	90.00	179.43	12,750.0	-12,051.3	-1,585.1	12,153.6	0.00	0.00	0.00
25,000.0	90.00	179.43	12,750.0	-12,151.3	-1,584.1	12,252.8	0.00	0.00	0.00
25,100.0	90.00	179.43	12,750.0	-12,251.3	-1,583.1	12,352.1	0.00	0.00	0.00
25,200.0	90.00	179.43	12,750.0	-12,351.3	-1,582.1	12,451.3	0.00	0.00	0.00
25,300.0	90.00	179.43	12,750.0	-12,451.3	-1,581.2	12,550.5	0.00	0.00	0.00
25,400.0	90.00	179.43	12,750.0	-12,551.3	-1,580.2	12,649.7	0.00	0.00	0.00
25,500.0	90.00	179.43	12,750.0	-12,651.3	-1,579.2	12,748.9	0.00	0.00	0.00
25,600.0	90.00	179.43	12,750.0	-12,751.2	-1,578.2	12,848.1	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well _BOATER FED COM 803H - Slot BOATER FED COM 803H
Company:	DELAWARE BASIN EAST	**TVD Reference:**	KB @ 3252.0usft
Project:	LEA COUNTY SOUTHEAST	**MD Reference:**	KB @ 3252.0usft
Site:	BOATER FED COM PROJECT	**North Reference:**	Grid
Well:	_BOATER FED COM 803H	**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)
25,700.0	90.00	179.43	12,750.0	-12,851.2	-1,577.2	12,947.4	0.00	0.00	0.00
25,707.0	90.00	179.43	12,750.0	-12,858.2	-1,577.1	12,954.3	0.00	0.00	0.00
25,800.0	90.00	177.57	12,750.0	-12,951.2	-1,574.7	13,046.4	2.00	0.00	-2.00
25,828.5	90.00	177.00	12,750.0	-12,979.7	-1,573.3	13,074.5	2.00	0.00	-2.00
25,900.0	90.00	177.00	12,750.0	-13,051.1	-1,569.6	13,145.0	0.00	0.00	0.00
26,000.0	90.00	177.00	12,750.0	-13,150.9	-1,564.3	13,243.6	0.00	0.00	0.00
26,078.5	90.00	177.00	12,750.0	-13,229.3	-1,560.2	13,321.0	0.00	0.00	0.00
26,100.0	90.00	177.43	12,750.0	-13,250.8	-1,559.2	13,342.2	2.00	0.00	2.00
26,200.0	90.00	179.43	12,750.0	-13,350.8	-1,556.5	13,441.2	2.00	0.00	2.00
26,284.3	90.00	179.43	12,750.0	-13,435.1	-1,555.6	13,524.8	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL_BOATER FED C(	0.00	359.43	12,750.0	-13,435.1	-1,555.4	388,681.93	791,976.30	32° 3' 54.349 N	103° 23' 26.917 W
- plan misses target center by 0.2usft at 26284.3usft MD (12750.0 TVD, -13435.1 N, -1555.6 E)									
- Rectangle (sides W100.0 H13,049.0 D20.0)									
LTP_BOATER FED COI	90.00	179.43	12,750.0	-13,385.1	-1,555.9	388,731.93	791,975.79	32° 3' 54.844 N	103° 23' 26.918 W
- plan misses target center by 34.3usft at 26200.0usft MD (12750.0 TVD, -13350.8 N, -1556.5 E)									
- Circle (radius 50.0)									
FTP_BOATER FED COI	0.00	0.00	12,750.0	-386.7	-1,684.7	401,730.31	791,847.03	32° 6' 3.478 N	103° 23' 27.094 W
- plan misses target center by 0.5usft at 13234.6usft MD (12750.0 TVD, -386.7 N, -1684.2 E)									
- Circle (radius 50.0)									

Casing Points

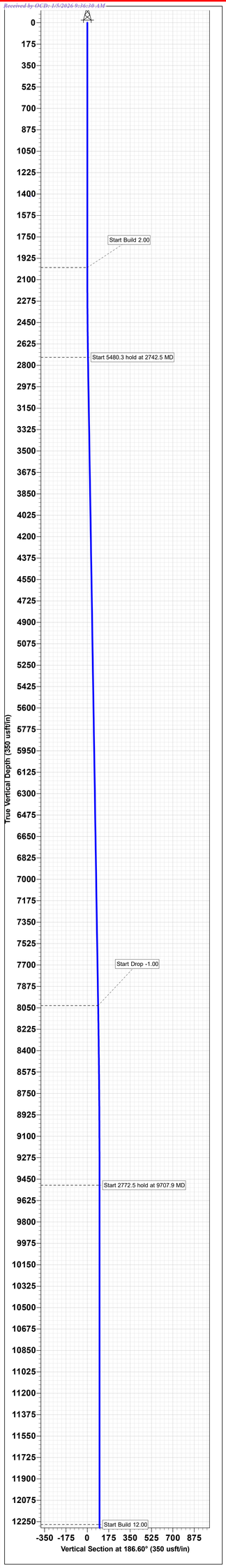
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
26,284.3	12,750.0	5-1/2" Production Casing	5-1/2	6

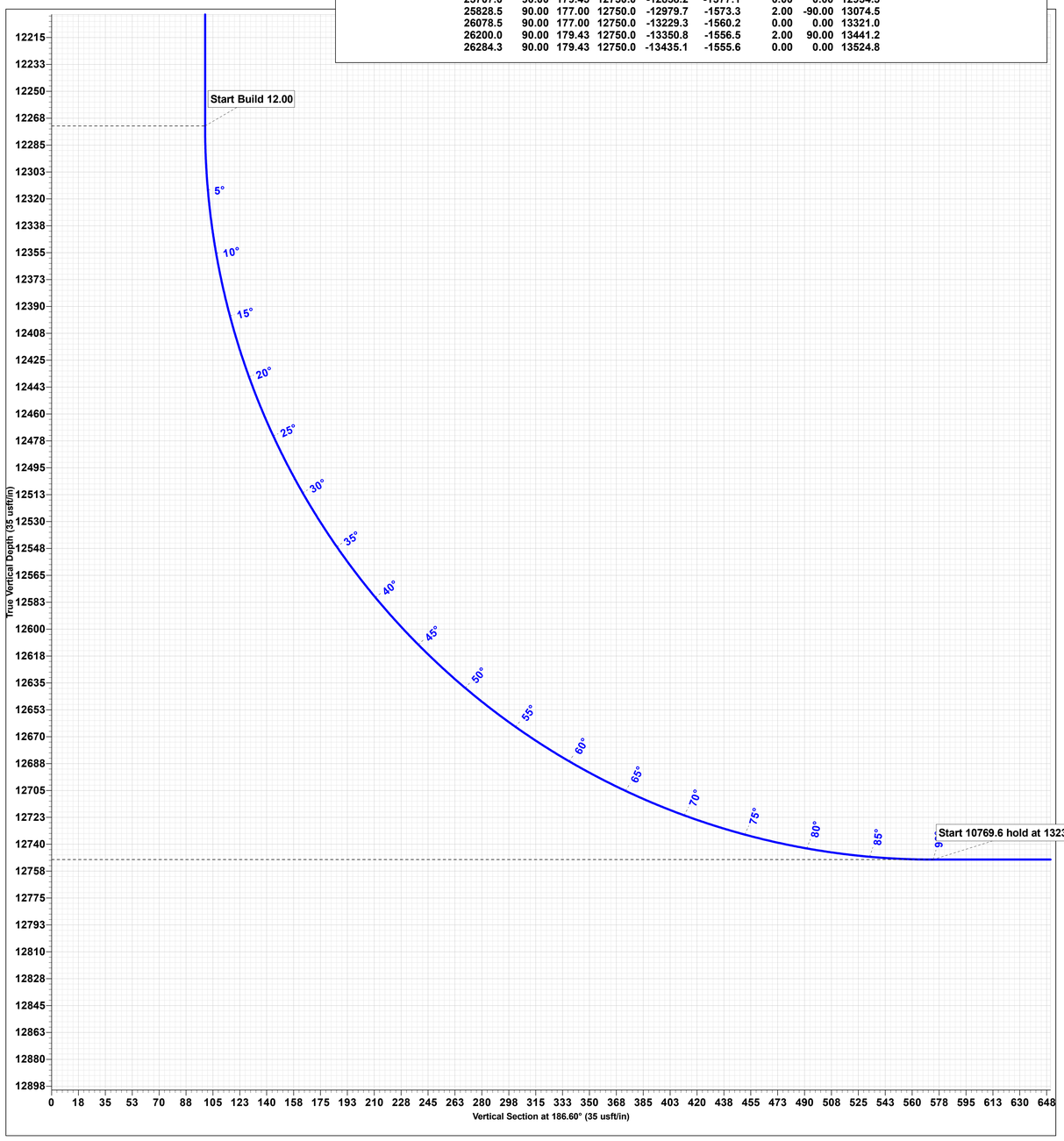
ConocoPhillips

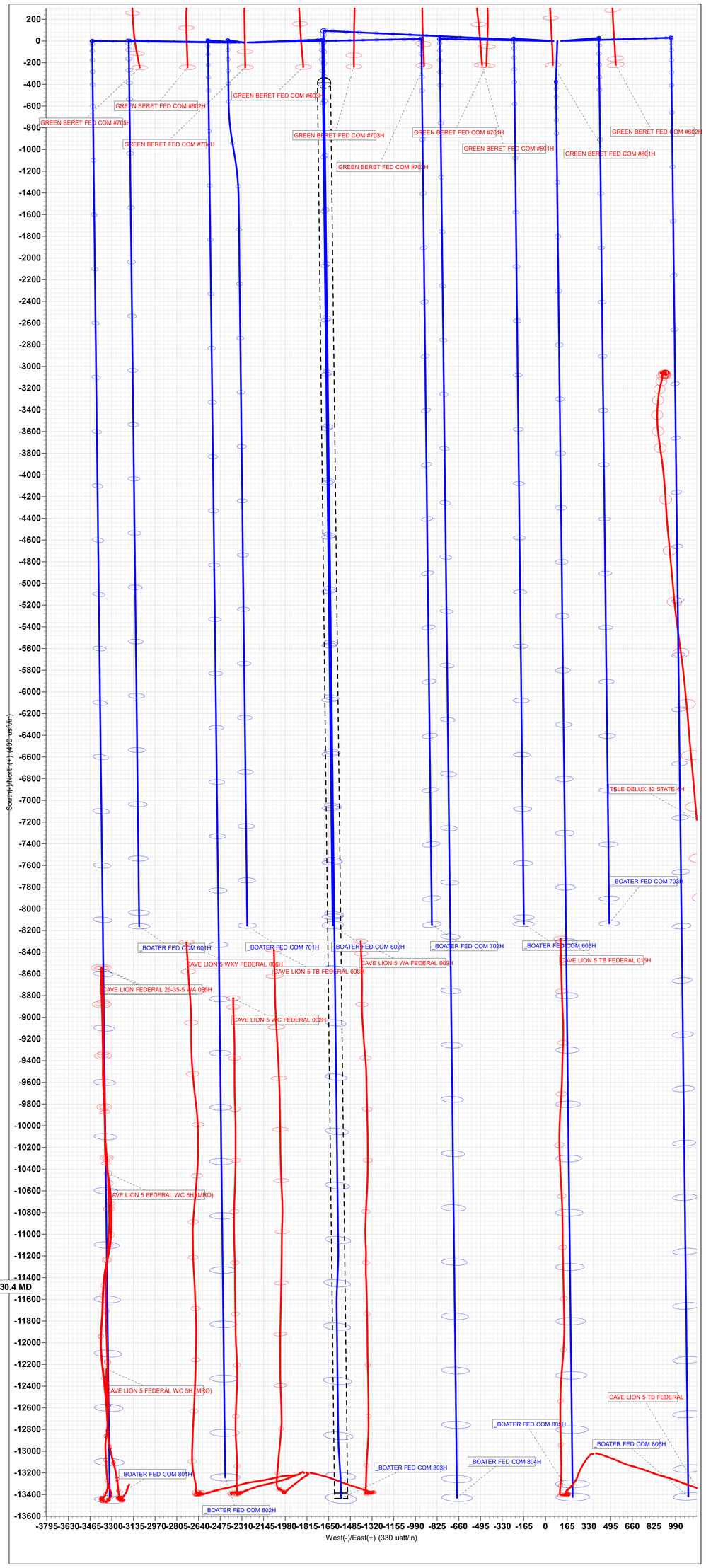
Project:	LEA COUNTY SOUTHEAST
Site:	BOATER FED COM PROJECT
Well:	_BOATER FED COM 803H
Wellbore:	OWB
Design:	PWP0

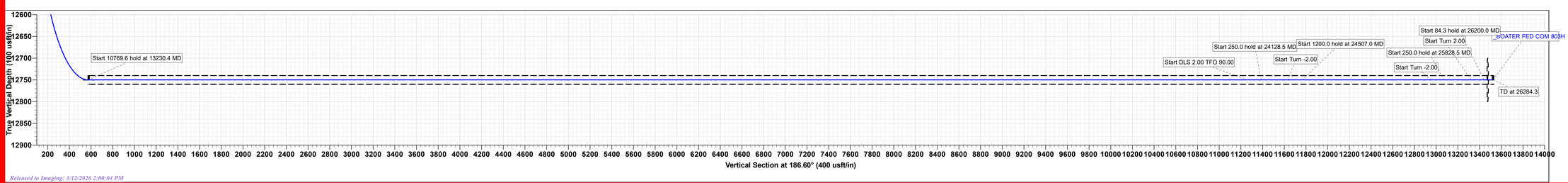
SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
2000.0	0.00	0.00	2000.0	0.0	0.0	0.00	0.00	0.0
2742.5	14.85	273.22	2734.2	5.4	-95.5	2.00	273.22	5.7
8222.9	14.85	273.22	8031.5	84.3	-1497.9	0.00	0.00	88.6
9707.9	0.00	0.00	9500.0	95.0	-1689.0	1.00	180.00	99.9
12480.4	0.00	0.00	12272.5	95.0	-1689.0	0.00	0.00	99.9
13230.4	90.00	179.43	12750.0	-382.4	-1684.3	12.00	179.43	573.6
24000.0	90.00	179.43	12750.0	-11151.5	-1577.1	0.00	0.00	11258.9
24128.5	90.00	182.00	12750.0	-11280.0	-1578.7	2.00	90.00	11386.7
24378.5	90.00	182.00	12750.0	-11529.8	-1587.4	0.00	0.00	11635.9
24507.0	90.00	179.43	12750.0	-11658.3	-1589.0	2.00	-90.00	11763.7
25707.0	90.00	179.43	12750.0	-12858.2	-1577.1	0.00	0.00	12954.3
25828.5	90.00	177.00	12750.0	-12979.7	-1573.3	2.00	-90.00	13074.5
26078.5	90.00	177.00	12750.0	-13229.3	-1560.2	0.00	0.00	13321.0
26200.0	90.00	179.43	12750.0	-13350.8	-1556.5	2.00	90.00	13441.2
26284.3	90.00	179.43	12750.0	-13435.1	-1555.6	0.00	0.00	13524.8









COG Operating LLC

Rig Plat & Closed Loop Equipment Diagram

Well pad will be 850' X 785'

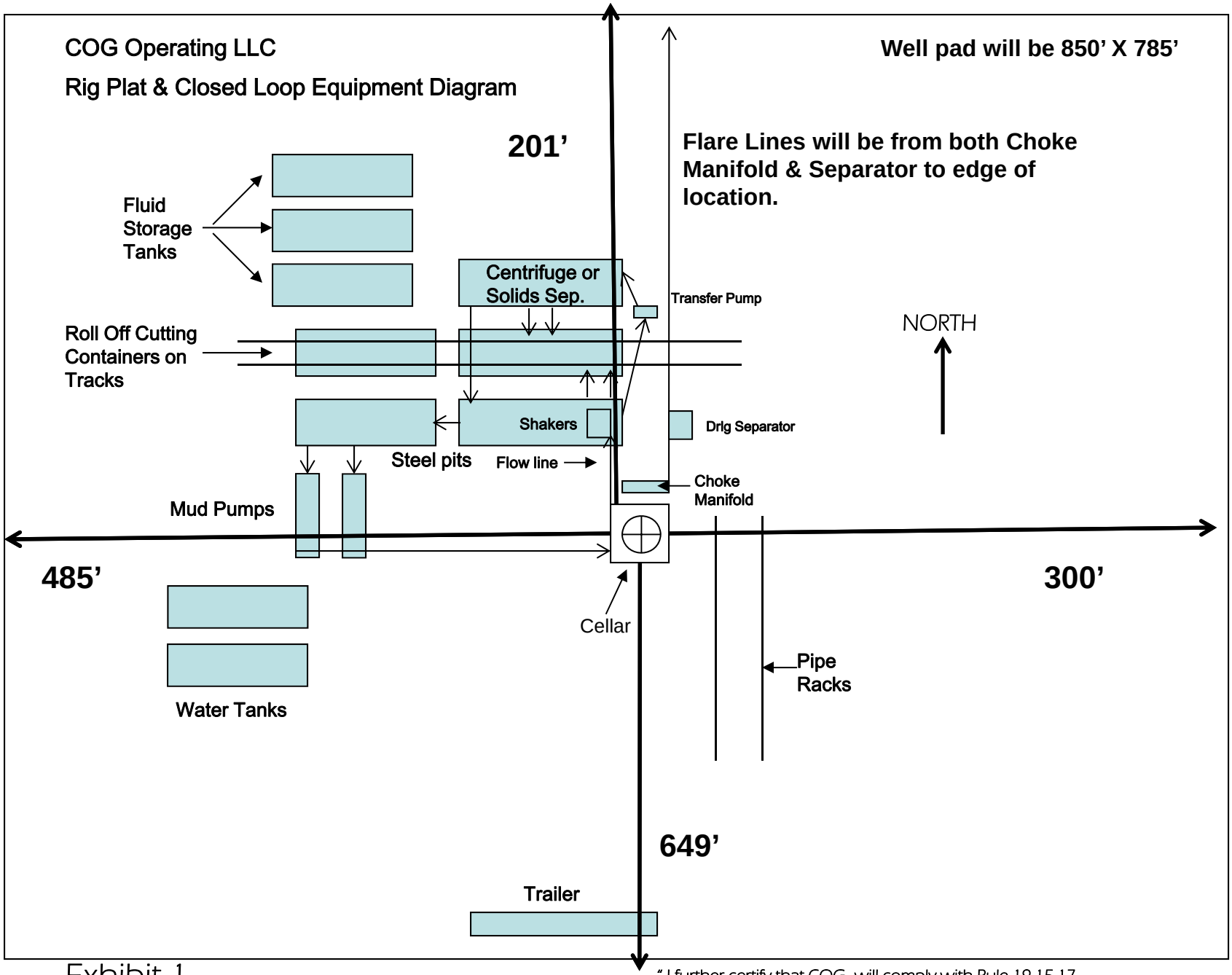


Exhibit 1

" I further certify that COG will comply with Rule 19.15.17 NMAC by using a Closed Loop System."

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description
Effective May 25, 2021

I. Operator: COG Operating LLC **OGRID: 229137** **Date: 07/14/2025**

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Boater Federal Com 601H	30-025-	E-29-25S-35E	2365 FNL & 1320 FWL	± 416	± 553	± 1052
Boater Federal Com 602H	30-025-	F-29-25S-35E	2365 FNL & 1410 FWL	± 519	± 690	± 1331
Boater Federal Com 603H	30-025-	G-29-25S-35E	2365 FNL & 1445 FEL	± 514	± 683	± 1282
Boater Federal Com 701H	30-025-	F-29-25S-35E	2365 FNL & 1380 FWL	± 516	± 689	± 1346
Boater Federal Com 702H	30-025-	F-29-25S-35E	2365 FNL & 1440 FWL	± 518	± 689	± 1298
Boater Federal Com 703H	30-025-	G-29-25S-35E	2365 FNL & 1385 FEL	± 447	± 594	± 1130
Boater Federal Com 801H	30-025-	E-29-25S-35E	2365 FNL & 1290 FWL	± 651	± 832	± 3007
Boater Federal Com 802H	30-025-	F-29-25S-35E	2365 FNL & 1350 FWL	± 655	± 835	± 3149
Boater Federal Com 803H	30-025-	G-29-25S-35E	2365 FNL & 1505 FEL	± 654	± 832	± 3183
Boater Federal Com 804H	30-025-	G-29-25S-35E	2365 FNL & 1475 FEL	± 649	± 829	± 3056
Boater Federal Com 805H	30-025-	G-29-25S-35E	2365 FNL & 1415 FEL	± 649	± 829	± 3056
Boater Federal Com 806H	30-025-	G-29-25S-35E	2365 FNL & 1355 FEL	± 649	± 829	± 3056

IV. Central Delivery Point Name: 29 L CTB 29-25S-35E [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Boater Federal Com	Pending	± 02/01/2027	± 25 days from spud	TBD	TBD	TBD
601-603H, 701-703H, 801-806H						

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. ***If Operator checks this box, Operator will select one of the following:***

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- **(a)** power generation on lease;
- **(b)** power generation for grid;
- **(c)** compression on lease;
- **(d)** liquids removal on lease;
- **(e)** reinjection for underground storage;
- **(f)** reinjection for temporary storage;
- **(g)** reinjection for enhanced oil recovery;
- **(h)** fuel cell production; and
- **(i)** other alternative beneficial uses approved by the division.

Section 4 - Notices

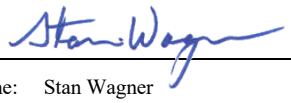
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature:	
Printed Name:	Stan Wagner
Title:	Regulatory Advisor
E-mail Address:	stan.s.wagner@conocophillips.com
Date:	07/14/2025
Phone:	432-253-9685

OIL CONSERVATION DIVISION
(Only applicable when submitted as a standalone form)

Approved By:	
Title:	
Approval Date:	
Conditions of Approval:	

VI. Separation Equipment

How Operator will size separation equipment to optimize gas capture:

All ConocoPhillips production facility equipment will be sized per industry standards (API 12J) with adequate retention time to effectively separate all phases of production. Each project will take into consideration the number of wells and type curves for each formation pool to ensure adequate facility capacity. Design considerations will also include review of all piping, tanks, VRU's and associated equipment to ensure optimized gas capture minimized risk of release.

VII. Operational Practices

Actions Operator will take to comply with the requirements below:

B. Drilling Operations

- During drilling, flare stacks will be located a minimum of 100 feet from the nearest surface hole location. All gas is captured or combusted. If an emergency or malfunction occurs, gas will be flared or vented for public health, safety, and the environment and be properly reported to the NMOCD pursuant to 19.15.27.8.G.
- Measure or estimate the volume of natural gas that is vented, flared or beneficially used during drilling, completion and production operations, regardless of the reason or authorization for such venting or flaring.

C. Completion Operations

- During completion operations, operator does not produce oil or gas but maintains adequate well control through completion operations.
- Individual well test separators will be set to properly separate gas and liquids. A temporary test separator will be utilized initially to process volumes. In addition, separators will be tied into flowback tanks which will be tied into the gas processing equipment for sales down a pipeline.

D. Venting and flaring during production operations

- During each phase of well life (drilling, completion and production) of a ConocoPhillips well, COP personnel will follow all necessary procedures to ensure both the operation and the equipment are within the NMAC 19.15.27.8 Subsection D guidelines.
- During well operations that require unloading of the well to atmospheric pressure, all reasonable actions will be taken to minimize vented gas
- Through the life of the well all flaring shall be measured, and venting events quantified using the data available and industry best practice.

E. Performance standards for separation, storage tank and flare equipment

- All storage tanks and separation equipment are designed minimize risk of liquid or vapor release and optimize gas capture. This includes automation for automatic gauging and pressure monitoring.

- All flare stacks are equipped with auto ignition devices and/or continuous pilots and are designed to operate at maximum combustion efficiency pursuant NMAC 19.15.27.8 Subsection E. Flares will follow COP spacing guidelines to ensure they are a safe distance from combustibles and operations equipment.
- COP personnel will conduct routine AVO inspections on a regular basis per NMAC 19.15.27.8 Subsection E guidelines.

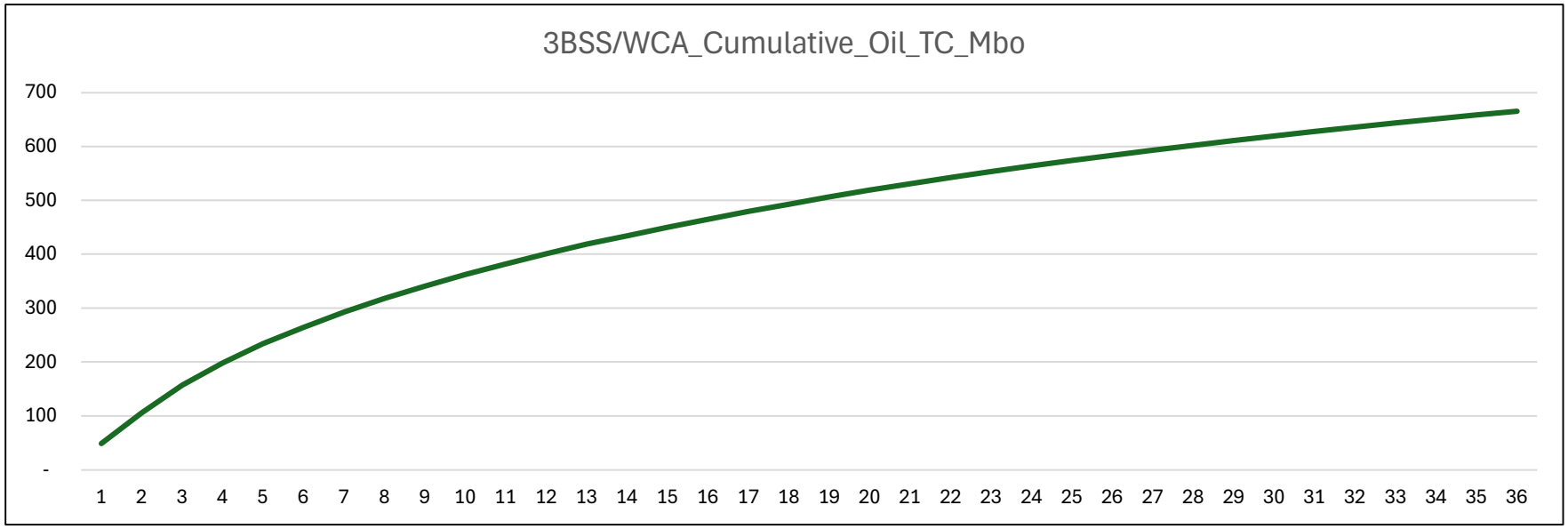
F. Measurement of vented and flared natural gas.

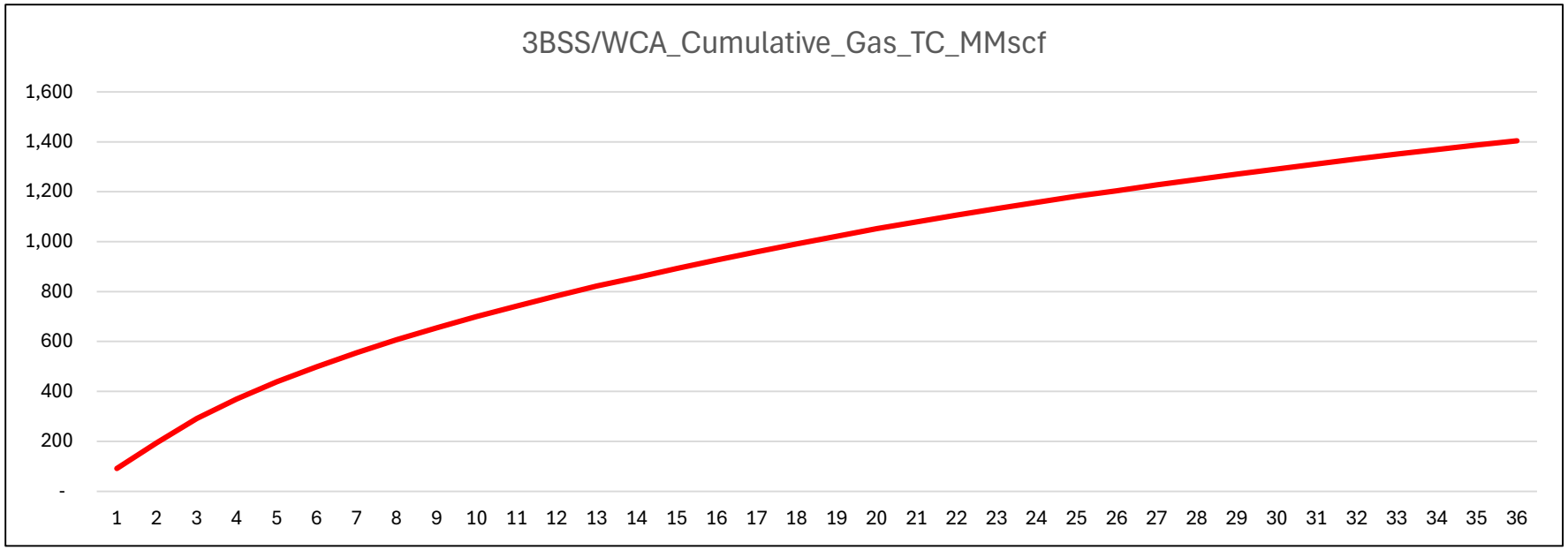
- Measurement equipment will be installed to quantify gas flared during drilling, completion and production of the well.
- All measurement devices installed will meet accuracy ratings per AGA and API standards.
- Measurement devices will be installed without manifolds that allow diversion of gas around the metering element, except for the sole purpose of inspection of servicing the measurement device.

VIII. Best Management Practices

- Operator will curtail or shut in production, within reasonable limits, during upset conditions to minimize venting and flaring.
- When feasible, Operator will use equipment to capture gas that would otherwise be vented or flared.
- During completions and production operations Operator will minimize blowdowns to atmosphere
- When feasible, Operator will use electric or air actuated equipment to reduce bleed emissions

Anticipated Production Decline Curve





Waste Minimization Plan

Per § 3162.3-1 Drilling applications and plans. Part J:

(1) The anticipated initial oil production rate from the oil well and the anticipated production decline over the first 3 years of production.

   a. See attached Anticipated Production & Decline Curve

(2) The anticipated initial oil-well gas production rate from the oil well and the anticipated production decline over the first 3 years of production.

   a. See attached Anticipated Production & Decline Curve

(3) Certification that the operator has a valid, executed gas sales contract to sell to a purchaser 100 percent of the produced oil-well gas, less gas anticipated for use on-lease pursuant to 43 CFR subpart 3178.

   a. See attached NMOCD – Natural Gas Management Plan

(4) Any other information demonstrating the operator's plans to avoid the waste of gas production from any source, including, as appropriate, from pneumatic equipment, storage tanks, and leaks.

   a. This location will comply with NSPS OOOOb which will include reduced associated gas flaring, non-emitting pneumatic equipment, storage tanks that are controlled and a rigorous leak detection and repair program. In addition, this facility complies with 20.2.50 NMAC (Ozone Precursor Pollutants) which also imposes standards on pneumatic equipment, tank controls, and leak detection and repair. Finally, this facility must comply with 19.15.27 NMAC (Venting and Flaring of Natural Gas) which significantly reduces instances of flaring.

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	CONOCOPHILLIPS COMPANY
WELL NAME & NO.:	BOATER FED COM 803H
LOCATION:	Section 29, T.25 S., R.35 E., NMP
COUNTY:	Lea County, New Mexico

COA

H2S	(•) Yes	( ) No	
Potash	(•) None	( ) Secretary	( ) R-111-P
Cave/Karst Potential	(•) Low	( ) Medium	( ) High
Cave/Karst Potential	( ) Critical		
Variance	( ) None	(•) Flex Hose	( ) Other
Wellhead	( ) Conventional	(•) Multibowl	( ) Both
Wellhead Variance	( ) Diverter		
Other	[ ] 4 String	[ ] Capitan Reef	[ ] WIPP
Other	[x] Fluid Filled	[ ] Pilot Hole	[ ] Open Annulus
Cementing	[x] Contingency Cement Squeeze	[x] EchoMeter	[ ] Primary Cement Squeeze
Special Requirements	[ ] Water Disposal	[x] COM	[ ] Unit
Special Requirements	[ ] Batch Sundry		
Special Requirements Variance	[x] Break Testing	[x] Offline Cementing	[x] Casing Clearance

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

Primary Casing Design:

1. The **10-3/4** inch surface casing shall be set at approximately **1225 feet per BLM Geologist** (a minimum of 25 feet (Lea 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

Approval Date: 10/14/2025

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. (This is to include the 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.

Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.

2. **Keep casing full during run for collapse safety factor.** The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:

Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

a. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.

b. Second stage above DV tool:

- Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.

Contingency Squeeze:

Operator has proposed to pump down 10-3/4" X 7-5/8" annulus. Operator must top out cement after the bradenhead squeeze and verify cement to surface. Operator can also check TOC with Echo-meter. CBL must be run from TD of the 7-5/8" casing to surface if confidence is lacking on the quality of the bradenhead squeeze cement job. Submit results to BLM.

Approval Date: 10/14/2025

Submit results to the BLM. No displacement fluid/wash out shall be utilized at the top of the cement slurry between second stage BH and top out. Operator must run one CBL per Well Pad.

If cement does not reach surface, the next casing string must come to surface.

Operator must use a limited flush fluid volume of 1 bbl following backside cementing procedures.

3. The minimum required fill of cement behind the **5-1/2** inch production casing is:

    - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

C. PRESSURE CONTROL

1. 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).'

2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the **10-3/4** inch surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **10,000 (10M)** psi. **Variance is approved to use a 5000 (5M) Annular which shall be tested to 3500 (70% Working Pressure) 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 OOGO2.III.A.2.i must be followed.

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 Onshore Order 1 and 2.
- 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.

(Note: For a minimum 5M BOPE or less (Utilizing a 10M BOPE system)
BOPE Break Testing Variance

- BOPE Break Testing is ONLY permitted for 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)**
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- 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.
- 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).
- The BLM is to be contacted (575-689-5981 Lea County) 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per Onshore Oil and Gas Order No. 2.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

Casing Clearance:

- The W441 connection should tie back 500'+ into the W513 intermediate casing for clearance overlap.

Operator shall clean up cycles until wellbore is clear of cuttings and any large debris, ensure cutting sizes are adequate "coffee ground or less" before cementing.

Offline Cementing:
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)

☒ Eddy County
EMAIL or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,
BLM_NM_CFO_DrillingNotifications@BLM.GOV
(575) 361-2822

☒ Lea County
Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240,
(575) 689-5981

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.

JS 10/9/2025

Approval Date: 10/14/2025

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

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

ACKNOWLEDGMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 539911
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

ACKNOWLEDGMENTS

☑	I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well.

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

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 539911
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
stanwagner	Cement is required to circulate on both surface and intermediate1 strings of casing.	1/5/2026
jeffrey.harrison	If the method of isolation was not by circulation, a CBL must be performed; if strata isolation is not achieved, then remediation will be required before further operations.	3/12/2026
jeffrey.harrison	File As Drilled C-102 and a directional Survey with C-104 completion packet.	3/12/2026
jeffrey.harrison	Notify the OCD 24 hours prior to casing & cement.	3/12/2026
jeffrey.harrison	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.	3/12/2026
jeffrey.harrison	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.	3/12/2026