

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

1a. Type of work: <input type="checkbox"/> DRILL <input type="checkbox"/> REENTER 1b. Type of Well: <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other 1c. Type of Completion: <input type="checkbox"/> Hydraulic Fracturing <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		5. Lease Serial No. 6. If Indian, Allottee or Tribe Name 7. If Unit or CA Agreement, Name and No. 8. Lease Name and Well No.
2. Name of Operator		9. API Well No. 30-025-56044
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.



(Continued on page 2)

*(Instructions on page 2)

Additional Operator Remarks

Location of Well

0. SHL: SWNE / 2365 FNL / 1415 FEL / TWSP: 25S / RANGE: 35E / SECTION: 29 / LAT: 32.102113 / LONG: -103.38558 (TVD: 0 feet, MD: 0 feet)

PPP: NWSE / 2540 FSL / 1430 FEL / TWSP: 25S / RANGE: 35E / SECTION: 29 / LAT: 32.101085 / LONG: -103.385627 (TVD: 12617 feet, MD: 12685 feet)

PPP: NWNE / 1 FNL / 1430 FEL / TWSP: 25S / RANGE: 35E / SECTION: 32 / LAT: 32.094103 / LONG: -103.385619 (TVD: 12750 feet, MD: 15300 feet)

BHL: SWSE / 50 FSL / 1430 FEL / TWSP: 26S / RANGE: 35E / SECTION: 5 / LAT: 32.065214 / LONG: -103.385585 (TVD: 12750 feet, MD: 25621 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: <input checked="" type="checkbox"/> Initial Submittal <input type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled	

WELL LOCATION INFORMATION

API Number 30-025- 56044	Pool Code 98117	Pool Name WC-025 G-09 S263504N; Wolfcamp
Property Code 338321	Property Name BOATER FEDERAL COM	
OGRID No. 229137	Operator Name COG OPERATING LLC	Well Number 805H
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal		Ground Level Elevation 3256.9'
Mineral Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal		

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
G	29	25-S	35-E		2365 FNL	1415 FEL	32.102113°N	103.385580°W	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
O	5	26-S	35-E		50 FSL	1430 FEL	32.065214°N	103.385585°W	LEA

Dedicated Acres 640	Infill or Defining Well Defining	Defining Well API	Overlapping Spacing Unit (Y/N) Yes	Consolidation Code Com
Order Numbers.			Well setbacks are under Common Ownership: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
G	29	25-S	35-E		2365 FNL	1415 FEL	32.102113°N	103.385580°W	LEA

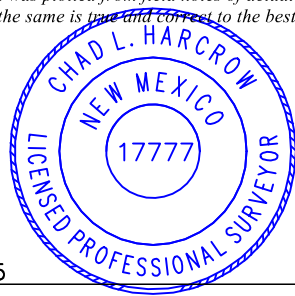
First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
J	29	25-S	35-E		2540 FSL	1430 FEL	32.101085°N	103.385627°W	LEA

Last Take Point (LTP)

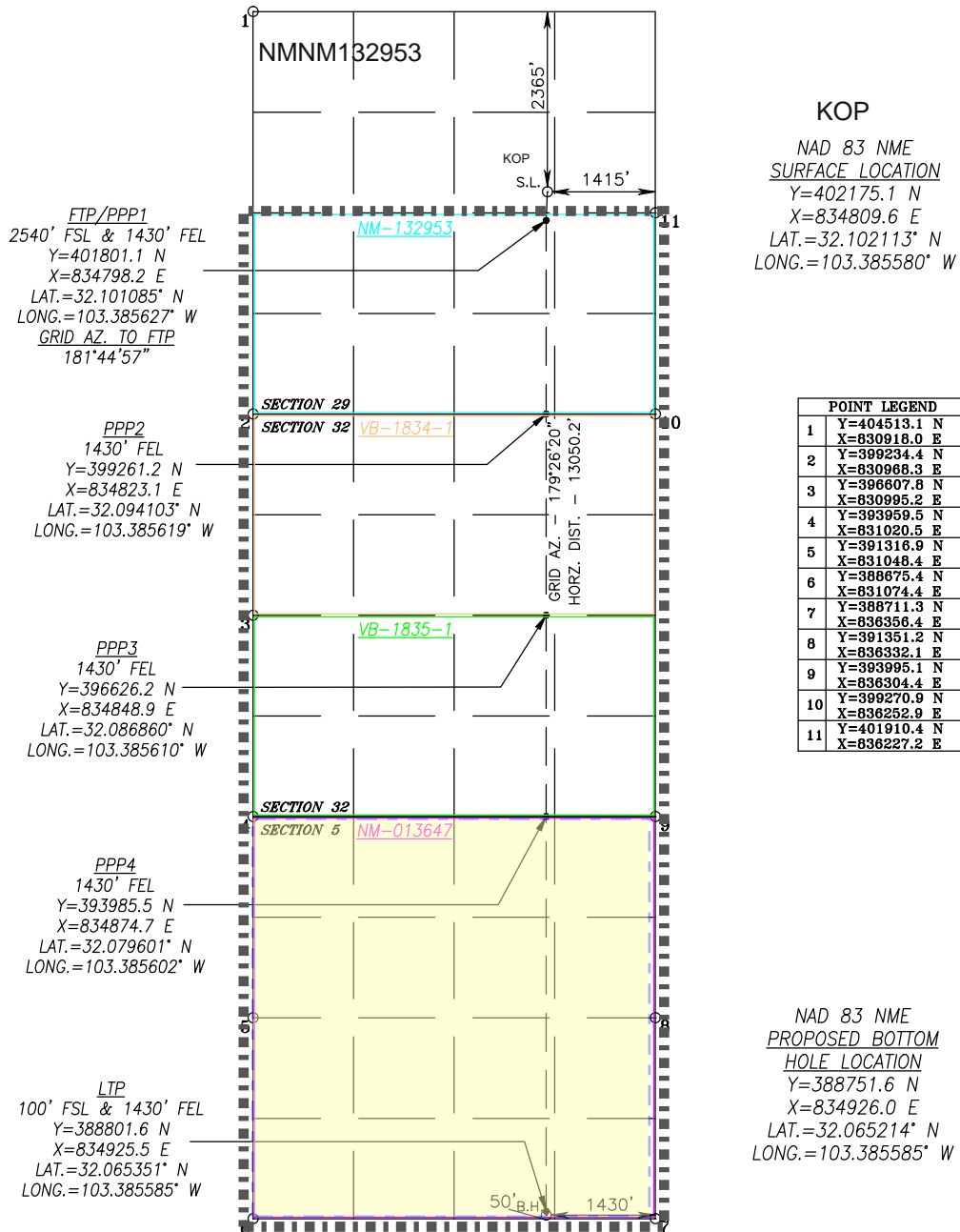
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
O	5	26-S	35-E		100 FSL	1430 FEL	32.065351°N	103.385585°W	LEA

Unitized Area or Area of Uniform Interest	Spacing Unit Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation: 3256.9'
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<p>OPERATOR CERTIFICATIONS</p> <p><i>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.</i></p> <p><i>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.</i></p>	<p>SURVEYOR CERTIFICATIONS</p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <div style="text-align: right;">  <p><i>Chad Harcrow</i> 6/6/25</p> </div>	
Signature <i>Stan Wagner</i>	Date 7/7/25	Signature and Seal of Professional Surveyor
Printed Name Stan Wagner	Certificate Number 17777	Date of Survey MAY 28, 2025
Email Address		W.O.#25-510 DRAWN BY: WN PAGE 1 OF 2

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.



C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024
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Property Code 338321	Property Name BOATER FEDERAL COM	
OGRID No. 229137	Operator Name COG OPERATING LLC	Well Number 805H
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal		Ground Level Elevation 3256.9'
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Bottom Hole Location

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0	5	26-S	35-E		50 FSL	1430 FEL	32.065214°N	103.385585°W	LEA

Dedicated Acres 960	Infill or Defining Well Defining	Defining Well API	Overlapping Spacing Unit (Y/N) Yes	Consolidation Code Com
Order Numbers.			Well setbacks are under Common Ownership: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

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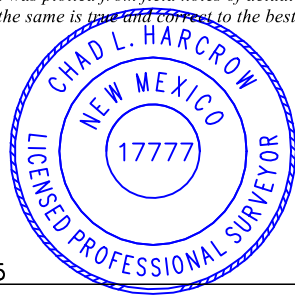
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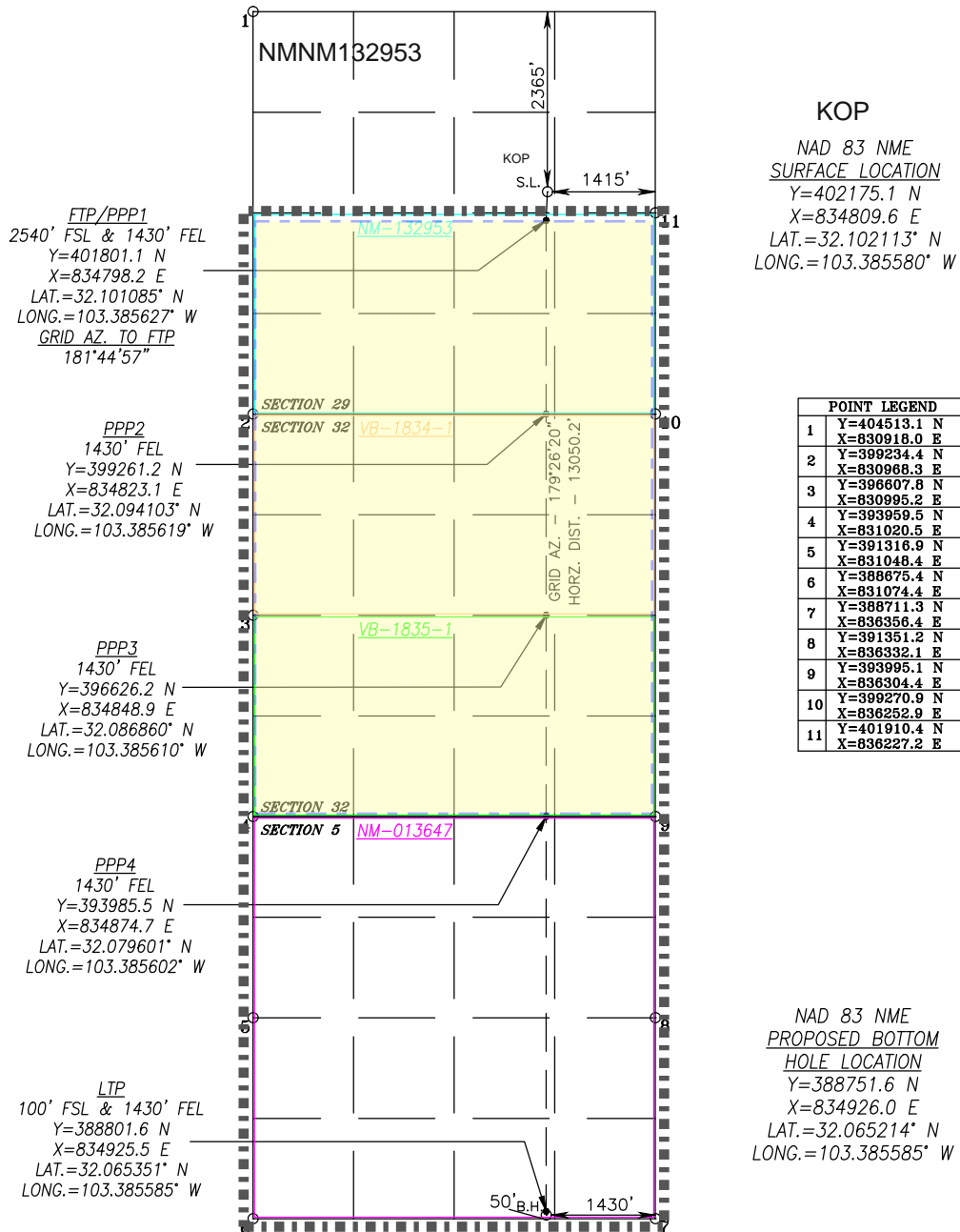
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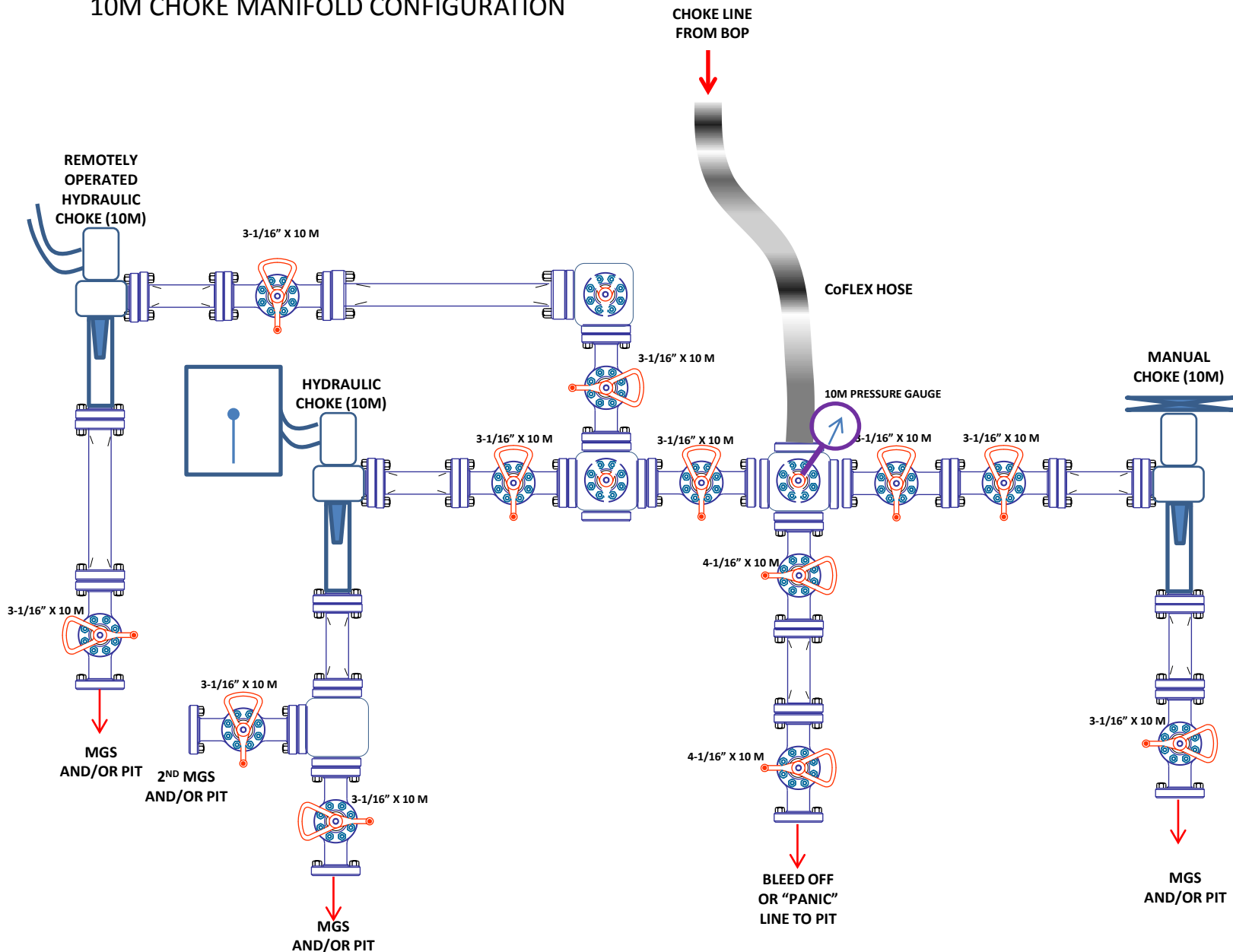
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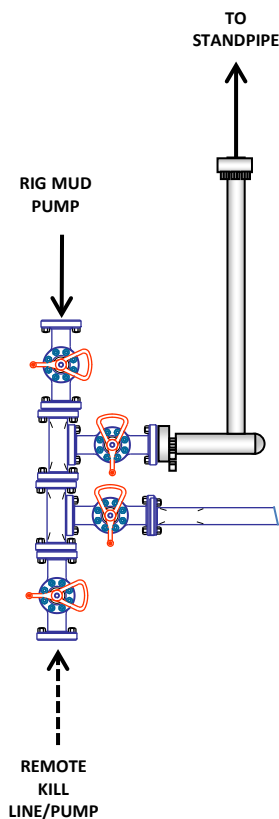
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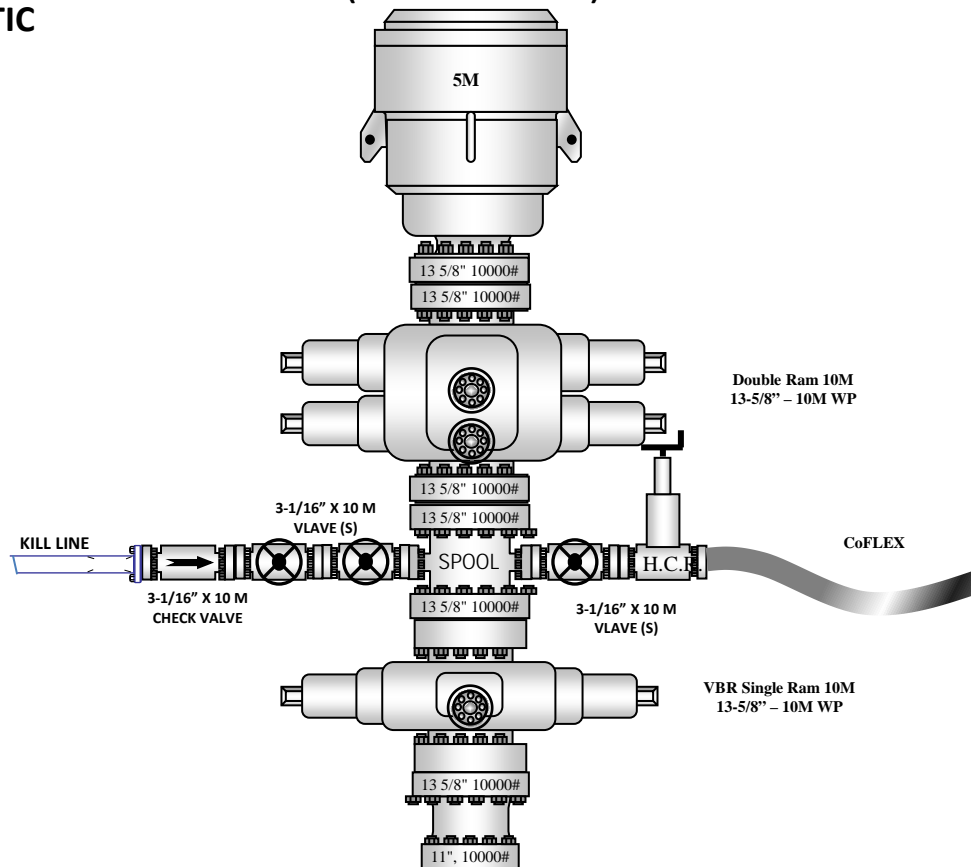
10M CHOKE MANIFOLD CONFIGURATION



10M REMOTE KILL SCHEMATIC



10M BOP Stack (5M Annular)



ConocoPhillips - Boater Federal Com 805H

1. Geologic Formations

TVD of Target:	12,750' EOL	Pilot hole depth:	N/A
MD at TD:	25,622'	Deepest expected fresh water:	230'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	705	Water	
Top of Salt	852	Salt	
Base of Salt	5145	Salt	
Lamar	5264	Salt Water	
Bell Canyon	5277	Salt Water	
Cherry Canyon	6260	Oil/Gas	
Brushy Canyon	7941	Oil/Gas	
Bone Spring	9195	Oil/Gas	
1st Bone Spring Sand	10381	Oil/Gas	
2nd Bone Spring Sand	10910	Oil/Gas	
3rd Bone Spring Sand	11999	Oil/Gas	
Wolfcamp	12379	Oil/Gas	
Wolfcamp A	12506	Oil/Gas	
Wolfcamp B	12756	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	702	10.75"	45.5	J55	BTC	6.51	8.35	22.39	24.92
9.875"	0	8200	7.625"	29.7	L80-ICY	BTC	2.44	1.02	2.98	3.01
8.750"	8200	12200	7.625"	29.7	P110-ICY	W513	2.81	1.54	2.95	1.77
6.75"	0	12000	5.5"	23	P110-CY	BTC	3.33	2.01	2.64	2.64
6.75"	12000	25,622	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.

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	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
Capitan Reef	
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?	
SOPA	
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back 500' into previous casing?	
R-111-P	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2 nd string set 100' to 600' below the base of salt?	
High Cave/Karst	
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?	
Critical Cave/Karst	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

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3. Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hrs)	Slurry Description
Surf.	192	13.5	1.75	9	12	Lead: Class C
	187	14.8	1.34	6.34	8	Tail: Class C
Int. Stage 1	1191	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	663	12.7	1.68	9.09	72	Lead: Class C
	1302	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	11,700'	35% OH in Lateral (KOP to EOL)

3b. Contingency Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hrs)	Slurry Description
Surf.	192	13.5	1.75	9	12	Lead: Class C
	187	14.8	1.34	6.34	8	Tail: Class C
Bradenhead Stage 1	440	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	663	12.7	1.68	9.09	72	Lead: Class C
	1302	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	7,941'	122%
Production	11,700'	35% OH in Lateral (KOP to EOL)

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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.

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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
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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	

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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 (H₂S).
- b. The proper use and maintenance of personal protective equipment and life support systems.
- c. The proper use of H₂S 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 H₂S 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. H₂S SAFETY EQUIPMENT AND SYSTEMS

Note: All H₂S 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 H₂S 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

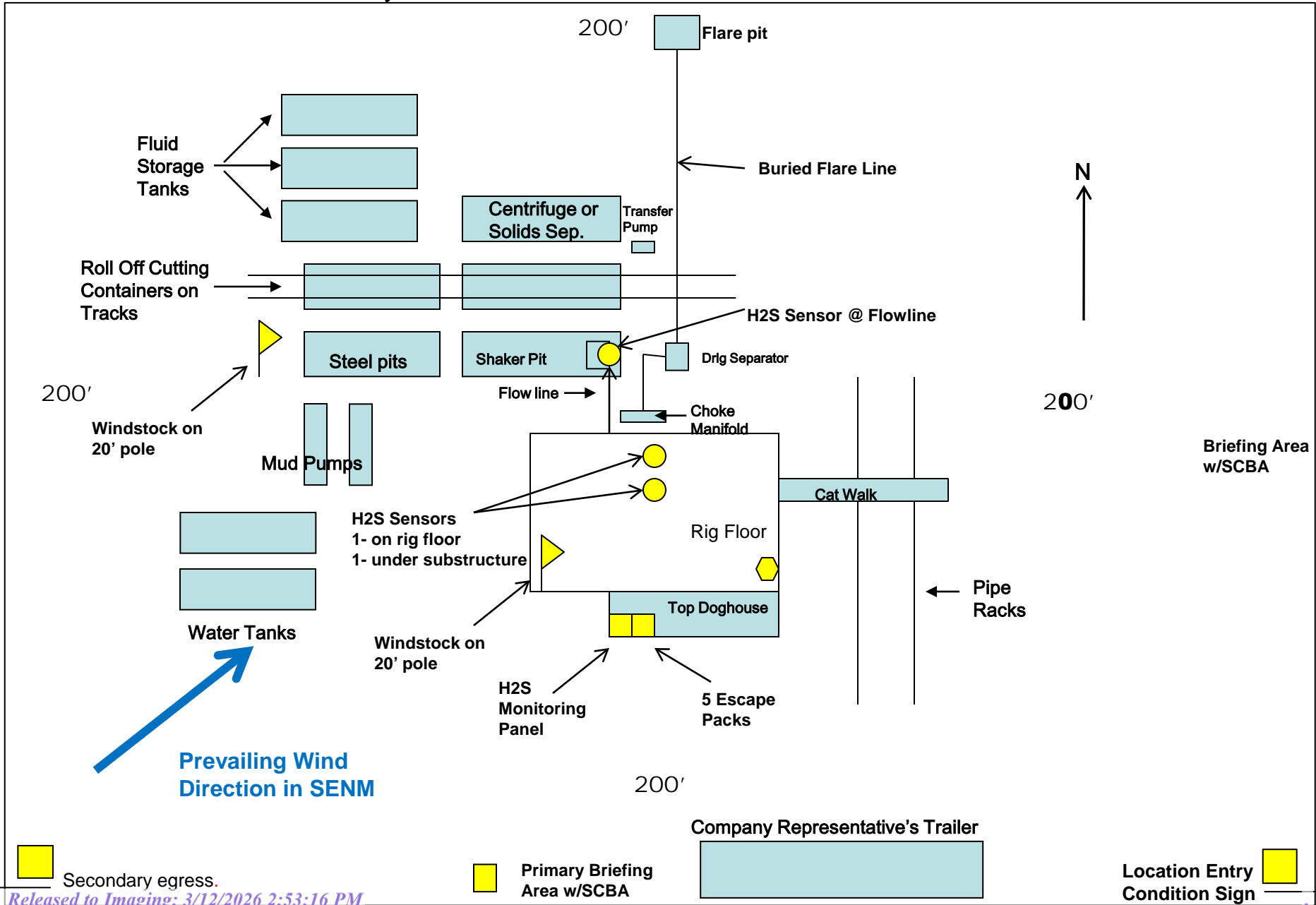
	<u>OFFICE</u>	<u>MOBILE</u>
COG OPERATING LLC OFFICE	575-748-6940	
Dallas Daley	432-818-2329	432-631-6977

EMERGENCY RESPONSE NUMBERS

	<u>OFFICE</u>
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 H₂S 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 805H - Slot BOATER FED COM 805H

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 805H - Slot BOATER FED COM 805H
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 805H	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	47,140.16014286

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	179.50

Plan Survey Tool Program	Date	4/24/2025		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	25,621.7 PWP0 (OWB)	r.5 MWD+IFR1 OWSG MWD + IFR1 rev.5	

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	
2,462.3	9.25	181.59	2,460.3	-37.2	-1.0	2.00	2.00	0.00	181.59	
4,102.8	9.25	181.59	4,079.5	-300.7	-8.4	0.00	0.00	0.00	0.00	
5,027.3	0.00	0.00	5,000.0	-375.1	-10.4	1.00	-1.00	0.00	180.00	
12,299.8	0.00	0.00	12,272.5	-375.1	-10.4	0.00	0.00	0.00	0.00	
13,049.8	90.00	179.44	12,750.0	-852.5	-5.8	12.00	12.00	23.93	179.44	
25,621.7	90.00	179.44	12,750.0	-13,423.8	116.7	0.00	0.00	0.00	0.00	

ConocoPhillips

Planning Report

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Project:	LEA COUNTY SOUTHEAST	MD Reference:	KB @ 3252.0usft
Site:	BOATER FED COM PROJECT	North Reference:	Grid
Well:	_BOATER FED COM 805H	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	181.59	2,100.0	-1.7	0.0	1.7	2.00	2.00	0.00	
2,200.0	4.00	181.59	2,199.8	-7.0	-0.2	7.0	2.00	2.00	0.00	
2,300.0	6.00	181.59	2,299.5	-15.7	-0.4	15.7	2.00	2.00	0.00	
2,400.0	8.00	181.59	2,398.7	-27.9	-0.8	27.9	2.00	2.00	0.00	
2,462.3	9.25	181.59	2,460.3	-37.2	-1.0	37.2	2.00	2.00	0.00	
2,500.0	9.25	181.59	2,497.5	-43.3	-1.2	43.2	0.00	0.00	0.00	
2,600.0	9.25	181.59	2,596.2	-59.3	-1.6	59.3	0.00	0.00	0.00	
2,700.0	9.25	181.59	2,694.9	-75.4	-2.1	75.4	0.00	0.00	0.00	
2,800.0	9.25	181.59	2,793.6	-91.4	-2.5	91.4	0.00	0.00	0.00	
2,900.0	9.25	181.59	2,892.3	-107.5	-3.0	107.5	0.00	0.00	0.00	
3,000.0	9.25	181.59	2,991.0	-123.6	-3.4	123.5	0.00	0.00	0.00	
3,100.0	9.25	181.59	3,089.7	-139.6	-3.9	139.6	0.00	0.00	0.00	
3,200.0	9.25	181.59	3,188.4	-155.7	-4.3	155.6	0.00	0.00	0.00	
3,300.0	9.25	181.59	3,287.1	-171.7	-4.8	171.7	0.00	0.00	0.00	
3,400.0	9.25	181.59	3,385.8	-187.8	-5.2	187.8	0.00	0.00	0.00	
3,500.0	9.25	181.59	3,484.5	-203.9	-5.7	203.8	0.00	0.00	0.00	
3,600.0	9.25	181.59	3,583.2	-219.9	-6.1	219.9	0.00	0.00	0.00	
3,700.0	9.25	181.59	3,681.9	-236.0	-6.6	235.9	0.00	0.00	0.00	
3,800.0	9.25	181.59	3,780.6	-252.0	-7.0	252.0	0.00	0.00	0.00	
3,900.0	9.25	181.59	3,879.3	-268.1	-7.4	268.0	0.00	0.00	0.00	
4,000.0	9.25	181.59	3,978.0	-284.2	-7.9	284.1	0.00	0.00	0.00	
4,100.0	9.25	181.59	4,076.7	-300.2	-8.3	300.1	0.00	0.00	0.00	
4,102.8	9.25	181.59	4,079.5	-300.7	-8.4	300.6	0.00	0.00	0.00	
4,200.0	8.27	181.59	4,175.5	-315.5	-8.8	315.4	1.00	-1.00	0.00	
4,300.0	7.27	181.59	4,274.6	-329.0	-9.1	328.9	1.00	-1.00	0.00	
4,400.0	6.27	181.59	4,373.9	-340.8	-9.5	340.7	1.00	-1.00	0.00	
4,500.0	5.27	181.59	4,473.4	-350.8	-9.7	350.7	1.00	-1.00	0.00	
4,600.0	4.27	181.59	4,573.1	-359.2	-10.0	359.1	1.00	-1.00	0.00	
4,700.0	3.27	181.59	4,672.9	-365.7	-10.2	365.6	1.00	-1.00	0.00	
4,800.0	2.27	181.59	4,772.7	-370.6	-10.3	370.5	1.00	-1.00	0.00	
4,900.0	1.27	181.59	4,872.7	-373.7	-10.4	373.6	1.00	-1.00	0.00	
5,000.0	0.27	181.59	4,972.7	-375.0	-10.4	374.9	1.00	-1.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well _BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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)	
5,027.3	0.00	0.00	5,000.0	-375.1	-10.4	375.0	1.00	-1.00	0.00	
5,100.0	0.00	0.00	5,072.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
5,200.0	0.00	0.00	5,172.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
5,300.0	0.00	0.00	5,272.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
5,400.0	0.00	0.00	5,372.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
5,500.0	0.00	0.00	5,472.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,572.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
5,700.0	0.00	0.00	5,672.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
5,800.0	0.00	0.00	5,772.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
5,900.0	0.00	0.00	5,872.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
6,000.0	0.00	0.00	5,972.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
6,100.0	0.00	0.00	6,072.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
6,200.0	0.00	0.00	6,172.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
6,300.0	0.00	0.00	6,272.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,372.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,472.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,572.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,672.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,772.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
6,900.0	0.00	0.00	6,872.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
7,000.0	0.00	0.00	6,972.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
7,100.0	0.00	0.00	7,072.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
7,200.0	0.00	0.00	7,172.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
7,300.0	0.00	0.00	7,272.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,372.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,472.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,572.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,672.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,772.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,872.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,972.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
8,100.0	0.00	0.00	8,072.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,172.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,272.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,372.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,472.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,572.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,672.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,772.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,872.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,972.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
9,100.0	0.00	0.00	9,072.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,172.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
9,300.0	0.00	0.00	9,272.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
9,400.0	0.00	0.00	9,372.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,472.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
9,600.0	0.00	0.00	9,572.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
9,700.0	0.00	0.00	9,672.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
9,800.0	0.00	0.00	9,772.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,872.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
10,000.0	0.00	0.00	9,972.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
10,100.0	0.00	0.00	10,072.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
10,200.0	0.00	0.00	10,172.7	-375.1	-10.4	375.0	0.00	0.00	0.00	

ConocoPhillips

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Well:	_BOATER FED COM 805H	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	10,272.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
10,400.0	0.00	0.00	10,372.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
10,500.0	0.00	0.00	10,472.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
10,600.0	0.00	0.00	10,572.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
10,700.0	0.00	0.00	10,672.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
10,800.0	0.00	0.00	10,772.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
10,900.0	0.00	0.00	10,872.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
11,000.0	0.00	0.00	10,972.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
11,100.0	0.00	0.00	11,072.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
11,200.0	0.00	0.00	11,172.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
11,300.0	0.00	0.00	11,272.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
11,400.0	0.00	0.00	11,372.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
11,500.0	0.00	0.00	11,472.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
11,600.0	0.00	0.00	11,572.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
11,700.0	0.00	0.00	11,672.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
11,800.0	0.00	0.00	11,772.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
11,900.0	0.00	0.00	11,872.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
12,000.0	0.00	0.00	11,972.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
12,100.0	0.00	0.00	12,072.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
12,200.0	0.00	0.00	12,172.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
12,299.8	0.00	0.00	12,272.5	-375.1	-10.4	375.0	0.00	0.00	0.00	
12,300.0	0.00	179.44	12,272.7	-375.1	-10.4	375.0	0.00	0.00	0.00	
12,400.0	12.02	179.44	12,371.9	-385.5	-10.3	385.4	12.02	12.02	0.00	
12,500.0	24.02	179.44	12,466.9	-416.4	-10.0	416.3	12.00	12.00	0.00	
12,600.0	36.02	179.44	12,553.3	-466.4	-9.5	466.3	12.00	12.00	0.00	
12,700.0	48.02	179.44	12,627.4	-533.2	-8.9	533.1	12.00	12.00	0.00	
12,800.0	60.02	179.44	12,686.1	-614.0	-8.1	613.9	12.00	12.00	0.00	
12,900.0	72.02	179.44	12,726.7	-705.2	-7.2	705.1	12.00	12.00	0.00	
13,000.0	84.02	179.44	12,747.4	-802.8	-6.2	802.7	12.00	12.00	0.00	
13,049.8	90.00	179.44	12,750.0	-852.5	-5.8	852.4	12.00	12.00	0.00	
13,100.0	90.00	179.44	12,750.0	-902.7	-5.3	902.6	0.00	0.00	0.00	
13,200.0	90.00	179.44	12,750.0	-1,002.7	-4.3	1,002.6	0.00	0.00	0.00	
13,300.0	90.00	179.44	12,750.0	-1,102.7	-3.3	1,102.6	0.00	0.00	0.00	
13,400.0	90.00	179.44	12,750.0	-1,202.7	-2.4	1,202.6	0.00	0.00	0.00	
13,500.0	90.00	179.44	12,750.0	-1,302.7	-1.4	1,302.6	0.00	0.00	0.00	
13,600.0	90.00	179.44	12,750.0	-1,402.7	-0.4	1,402.6	0.00	0.00	0.00	
13,700.0	90.00	179.44	12,750.0	-1,502.7	0.6	1,502.6	0.00	0.00	0.00	
13,800.0	90.00	179.44	12,750.0	-1,602.7	1.5	1,602.6	0.00	0.00	0.00	
13,900.0	90.00	179.44	12,750.0	-1,702.7	2.5	1,702.6	0.00	0.00	0.00	
14,000.0	90.00	179.44	12,750.0	-1,802.7	3.5	1,802.6	0.00	0.00	0.00	
14,100.0	90.00	179.44	12,750.0	-1,902.6	4.5	1,902.6	0.00	0.00	0.00	
14,200.0	90.00	179.44	12,750.0	-2,002.6	5.4	2,002.6	0.00	0.00	0.00	
14,300.0	90.00	179.44	12,750.0	-2,102.6	6.4	2,102.6	0.00	0.00	0.00	
14,400.0	90.00	179.44	12,750.0	-2,202.6	7.4	2,202.6	0.00	0.00	0.00	
14,500.0	90.00	179.44	12,750.0	-2,302.6	8.4	2,302.6	0.00	0.00	0.00	
14,600.0	90.00	179.44	12,750.0	-2,402.6	9.3	2,402.6	0.00	0.00	0.00	
14,700.0	90.00	179.44	12,750.0	-2,502.6	10.3	2,502.6	0.00	0.00	0.00	
14,800.0	90.00	179.44	12,750.0	-2,602.6	11.3	2,602.6	0.00	0.00	0.00	
14,900.0	90.00	179.44	12,750.0	-2,702.6	12.3	2,702.6	0.00	0.00	0.00	
15,000.0	90.00	179.44	12,750.0	-2,802.6	13.2	2,802.6	0.00	0.00	0.00	
15,100.0	90.00	179.44	12,750.0	-2,902.6	14.2	2,902.6	0.00	0.00	0.00	
15,200.0	90.00	179.44	12,750.0	-3,002.6	15.2	3,002.6	0.00	0.00	0.00	
15,300.0	90.00	179.44	12,750.0	-3,102.6	16.2	3,102.6	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well _BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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	179.44	12,750.0	-3,202.6	17.1	3,202.6	0.00	0.00	0.00	
15,500.0	90.00	179.44	12,750.0	-3,302.6	18.1	3,302.6	0.00	0.00	0.00	
15,600.0	90.00	179.44	12,750.0	-3,402.6	19.1	3,402.6	0.00	0.00	0.00	
15,700.0	90.00	179.44	12,750.0	-3,502.6	20.1	3,502.6	0.00	0.00	0.00	
15,800.0	90.00	179.44	12,750.0	-3,602.6	21.0	3,602.6	0.00	0.00	0.00	
15,900.0	90.00	179.44	12,750.0	-3,702.6	22.0	3,702.6	0.00	0.00	0.00	
16,000.0	90.00	179.44	12,750.0	-3,802.6	23.0	3,802.6	0.00	0.00	0.00	
16,100.0	90.00	179.44	12,750.0	-3,902.6	24.0	3,902.6	0.00	0.00	0.00	
16,200.0	90.00	179.44	12,750.0	-4,002.5	24.9	4,002.6	0.00	0.00	0.00	
16,300.0	90.00	179.44	12,750.0	-4,102.5	25.9	4,102.6	0.00	0.00	0.00	
16,400.0	90.00	179.44	12,750.0	-4,202.5	26.9	4,202.6	0.00	0.00	0.00	
16,500.0	90.00	179.44	12,750.0	-4,302.5	27.9	4,302.6	0.00	0.00	0.00	
16,600.0	90.00	179.44	12,750.0	-4,402.5	28.8	4,402.6	0.00	0.00	0.00	
16,700.0	90.00	179.44	12,750.0	-4,502.5	29.8	4,502.6	0.00	0.00	0.00	
16,800.0	90.00	179.44	12,750.0	-4,602.5	30.8	4,602.6	0.00	0.00	0.00	
16,900.0	90.00	179.44	12,750.0	-4,702.5	31.7	4,702.6	0.00	0.00	0.00	
17,000.0	90.00	179.44	12,750.0	-4,802.5	32.7	4,802.6	0.00	0.00	0.00	
17,100.0	90.00	179.44	12,750.0	-4,902.5	33.7	4,902.6	0.00	0.00	0.00	
17,200.0	90.00	179.44	12,750.0	-5,002.5	34.7	5,002.6	0.00	0.00	0.00	
17,300.0	90.00	179.44	12,750.0	-5,102.5	35.6	5,102.6	0.00	0.00	0.00	
17,400.0	90.00	179.44	12,750.0	-5,202.5	36.6	5,202.6	0.00	0.00	0.00	
17,500.0	90.00	179.44	12,750.0	-5,302.5	37.6	5,302.6	0.00	0.00	0.00	
17,600.0	90.00	179.44	12,750.0	-5,402.5	38.6	5,402.6	0.00	0.00	0.00	
17,700.0	90.00	179.44	12,750.0	-5,502.5	39.5	5,502.6	0.00	0.00	0.00	
17,800.0	90.00	179.44	12,750.0	-5,602.5	40.5	5,602.6	0.00	0.00	0.00	
17,900.0	90.00	179.44	12,750.0	-5,702.5	41.5	5,702.6	0.00	0.00	0.00	
18,000.0	90.00	179.44	12,750.0	-5,802.5	42.5	5,802.6	0.00	0.00	0.00	
18,100.0	90.00	179.44	12,750.0	-5,902.5	43.4	5,902.6	0.00	0.00	0.00	
18,200.0	90.00	179.44	12,750.0	-6,002.5	44.4	6,002.6	0.00	0.00	0.00	
18,300.0	90.00	179.44	12,750.0	-6,102.4	45.4	6,102.6	0.00	0.00	0.00	
18,400.0	90.00	179.44	12,750.0	-6,202.4	46.4	6,202.6	0.00	0.00	0.00	
18,500.0	90.00	179.44	12,750.0	-6,302.4	47.3	6,302.6	0.00	0.00	0.00	
18,600.0	90.00	179.44	12,750.0	-6,402.4	48.3	6,402.6	0.00	0.00	0.00	
18,700.0	90.00	179.44	12,750.0	-6,502.4	49.3	6,502.6	0.00	0.00	0.00	
18,800.0	90.00	179.44	12,750.0	-6,602.4	50.3	6,602.6	0.00	0.00	0.00	
18,900.0	90.00	179.44	12,750.0	-6,702.4	51.2	6,702.6	0.00	0.00	0.00	
19,000.0	90.00	179.44	12,750.0	-6,802.4	52.2	6,802.6	0.00	0.00	0.00	
19,100.0	90.00	179.44	12,750.0	-6,902.4	53.2	6,902.6	0.00	0.00	0.00	
19,200.0	90.00	179.44	12,750.0	-7,002.4	54.2	7,002.6	0.00	0.00	0.00	
19,300.0	90.00	179.44	12,750.0	-7,102.4	55.1	7,102.6	0.00	0.00	0.00	
19,400.0	90.00	179.44	12,750.0	-7,202.4	56.1	7,202.6	0.00	0.00	0.00	
19,500.0	90.00	179.44	12,750.0	-7,302.4	57.1	7,302.6	0.00	0.00	0.00	
19,600.0	90.00	179.44	12,750.0	-7,402.4	58.1	7,402.6	0.00	0.00	0.00	
19,700.0	90.00	179.44	12,750.0	-7,502.4	59.0	7,502.6	0.00	0.00	0.00	
19,800.0	90.00	179.44	12,750.0	-7,602.4	60.0	7,602.6	0.00	0.00	0.00	
19,900.0	90.00	179.44	12,750.0	-7,702.4	61.0	7,702.6	0.00	0.00	0.00	
20,000.0	90.00	179.44	12,750.0	-7,802.4	62.0	7,802.6	0.00	0.00	0.00	
20,100.0	90.00	179.44	12,750.0	-7,902.4	62.9	7,902.6	0.00	0.00	0.00	
20,200.0	90.00	179.44	12,750.0	-8,002.4	63.9	8,002.6	0.00	0.00	0.00	
20,300.0	90.00	179.44	12,750.0	-8,102.4	64.9	8,102.6	0.00	0.00	0.00	
20,400.0	90.00	179.44	12,750.0	-8,202.3	65.8	8,202.6	0.00	0.00	0.00	
20,500.0	90.00	179.44	12,750.0	-8,302.3	66.8	8,302.6	0.00	0.00	0.00	
20,600.0	90.00	179.44	12,750.0	-8,402.3	67.8	8,402.6	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well _BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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	179.44	12,750.0	-8,502.3	68.8	8,502.6	0.00	0.00	0.00	
20,800.0	90.00	179.44	12,750.0	-8,602.3	69.7	8,602.6	0.00	0.00	0.00	
20,900.0	90.00	179.44	12,750.0	-8,702.3	70.7	8,702.6	0.00	0.00	0.00	
21,000.0	90.00	179.44	12,750.0	-8,802.3	71.7	8,802.6	0.00	0.00	0.00	
21,100.0	90.00	179.44	12,750.0	-8,902.3	72.7	8,902.6	0.00	0.00	0.00	
21,200.0	90.00	179.44	12,750.0	-9,002.3	73.6	9,002.6	0.00	0.00	0.00	
21,300.0	90.00	179.44	12,750.0	-9,102.3	74.6	9,102.6	0.00	0.00	0.00	
21,400.0	90.00	179.44	12,750.0	-9,202.3	75.6	9,202.6	0.00	0.00	0.00	
21,500.0	90.00	179.44	12,750.0	-9,302.3	76.6	9,302.6	0.00	0.00	0.00	
21,600.0	90.00	179.44	12,750.0	-9,402.3	77.5	9,402.6	0.00	0.00	0.00	
21,700.0	90.00	179.44	12,750.0	-9,502.3	78.5	9,502.6	0.00	0.00	0.00	
21,800.0	90.00	179.44	12,750.0	-9,602.3	79.5	9,602.6	0.00	0.00	0.00	
21,900.0	90.00	179.44	12,750.0	-9,702.3	80.5	9,702.6	0.00	0.00	0.00	
22,000.0	90.00	179.44	12,750.0	-9,802.3	81.4	9,802.6	0.00	0.00	0.00	
22,100.0	90.00	179.44	12,750.0	-9,902.3	82.4	9,902.6	0.00	0.00	0.00	
22,200.0	90.00	179.44	12,750.0	-10,002.3	83.4	10,002.6	0.00	0.00	0.00	
22,300.0	90.00	179.44	12,750.0	-10,102.3	84.4	10,102.6	0.00	0.00	0.00	
22,400.0	90.00	179.44	12,750.0	-10,202.3	85.3	10,202.6	0.00	0.00	0.00	
22,500.0	90.00	179.44	12,750.0	-10,302.2	86.3	10,302.6	0.00	0.00	0.00	
22,600.0	90.00	179.44	12,750.0	-10,402.2	87.3	10,402.6	0.00	0.00	0.00	
22,700.0	90.00	179.44	12,750.0	-10,502.2	88.3	10,502.6	0.00	0.00	0.00	
22,800.0	90.00	179.44	12,750.0	-10,602.2	89.2	10,602.6	0.00	0.00	0.00	
22,900.0	90.00	179.44	12,750.0	-10,702.2	90.2	10,702.6	0.00	0.00	0.00	
23,000.0	90.00	179.44	12,750.0	-10,802.2	91.2	10,802.6	0.00	0.00	0.00	
23,100.0	90.00	179.44	12,750.0	-10,902.2	92.2	10,902.6	0.00	0.00	0.00	
23,200.0	90.00	179.44	12,750.0	-11,002.2	93.1	11,002.6	0.00	0.00	0.00	
23,300.0	90.00	179.44	12,750.0	-11,102.2	94.1	11,102.6	0.00	0.00	0.00	
23,400.0	90.00	179.44	12,750.0	-11,202.2	95.1	11,202.6	0.00	0.00	0.00	
23,500.0	90.00	179.44	12,750.0	-11,302.2	96.1	11,302.6	0.00	0.00	0.00	
23,600.0	90.00	179.44	12,750.0	-11,402.2	97.0	11,402.6	0.00	0.00	0.00	
23,700.0	90.00	179.44	12,750.0	-11,502.2	98.0	11,502.6	0.00	0.00	0.00	
23,800.0	90.00	179.44	12,750.0	-11,602.2	99.0	11,602.6	0.00	0.00	0.00	
23,900.0	90.00	179.44	12,750.0	-11,702.2	99.9	11,702.6	0.00	0.00	0.00	
24,000.0	90.00	179.44	12,750.0	-11,802.2	100.9	11,802.6	0.00	0.00	0.00	
24,100.0	90.00	179.44	12,750.0	-11,902.2	101.9	11,902.6	0.00	0.00	0.00	
24,200.0	90.00	179.44	12,750.0	-12,002.2	102.9	12,002.6	0.00	0.00	0.00	
24,300.0	90.00	179.44	12,750.0	-12,102.2	103.8	12,102.6	0.00	0.00	0.00	
24,400.0	90.00	179.44	12,750.0	-12,202.2	104.8	12,202.6	0.00	0.00	0.00	
24,500.0	90.00	179.44	12,750.0	-12,302.2	105.8	12,302.6	0.00	0.00	0.00	
24,600.0	90.00	179.44	12,750.0	-12,402.1	106.8	12,402.6	0.00	0.00	0.00	
24,700.0	90.00	179.44	12,750.0	-12,502.1	107.7	12,502.6	0.00	0.00	0.00	
24,800.0	90.00	179.44	12,750.0	-12,602.1	108.7	12,602.6	0.00	0.00	0.00	
24,900.0	90.00	179.44	12,750.0	-12,702.1	109.7	12,702.6	0.00	0.00	0.00	
25,000.0	90.00	179.44	12,750.0	-12,802.1	110.7	12,802.6	0.00	0.00	0.00	
25,100.0	90.00	179.44	12,750.0	-12,902.1	111.6	12,902.6	0.00	0.00	0.00	
25,200.0	90.00	179.44	12,750.0	-13,002.1	112.6	13,002.6	0.00	0.00	0.00	
25,300.0	90.00	179.44	12,750.0	-13,102.1	113.6	13,102.6	0.00	0.00	0.00	
25,400.0	90.00	179.44	12,750.0	-13,202.1	114.6	13,202.6	0.00	0.00	0.00	
25,500.0	90.00	179.44	12,750.0	-13,302.1	115.5	13,302.6	0.00	0.00	0.00	
25,600.0	90.00	179.44	12,750.0	-13,402.1	116.5	13,402.6	0.00	0.00	0.00	
25,621.7	90.00	179.44	12,750.0	-13,423.8	116.7	13,424.3	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well _BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
FTP_BOATER FED COI - plan misses target center by 198.2usft at 12685.2usft MD (12617.4 TVD, -522.3 N, -9.0 E) - Circle (radius 50.0)	0.00	0.00	12,750.0	-375.1	-10.4	401,742.53	793,611.04	32° 6' 3.445 N	103° 23' 6.588 W
PBHL_BOATER FED C() - plan hits target center - Rectangle (sides W100.0 H13,049.0 D20.0)	0.00	359.44	12,750.0	-13,423.8	116.7	388,693.85	793,738.18	32° 3' 54.314 N	103° 23' 6.443 W
LTP_BOATER FED COM - plan hits target center - Circle (radius 50.0)	90.00	179.44	12,750.0	-13,373.8	116.2	388,743.85	793,737.70	32° 3' 54.809 N	103° 23' 6.444 W

Casing Points					
Measured Depth	Vertical Depth	Name	Casing Diameter	Hole Diameter	
(usft)	(usft)		(")	(")	
25,621.7	12,750.0	5-1/2" Production Casing	5-1/2	6	

DELAWARE BASIN EAST

**LEA COUNTY SOUTHEAST
BOATER FED COM PROJECT
_BOATER FED COM 805H**

**OWB
PWP0**

Anticollision Report

24 April, 2025

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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	25,621.7	PWP0 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5

Summary	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Site Name						
Offset Well - Wellbore - Design						
AKUBRA PROJECT						
AKUBRA FED COM 601H - OWB - AWP						Out of range
AKUBRA FED COM 701H - OWB - AWP						Out of range
AKUBRA FED COM 801H - OWB - AWP						Out of range
BOATER FED COM PROJECT						
_BOATER FED COM 602H - OWB - PWP0						Out of range
_BOATER FED COM 603H - OWB - PWP0	2,000.0	2,000.0	30.0	18.6	2.622	Normal Operations, CC, ES, SF
_BOATER FED COM 701H - OWB - PWP0						Out of range
_BOATER FED COM 702H - OWB - PWP0						Out of range
_BOATER FED COM 703H - OWB - PWP0	2,000.0	2,000.0	30.0	18.6	2.623	Normal Operations, CC
_BOATER FED COM 703H - OWB - PWP0	2,100.0	2,100.0	30.1	18.4	2.570	Normal Operations, ES
_BOATER FED COM 703H - OWB - PWP0	20,334.0	20,526.5	386.1	230.6	2.483	Caution - Monitor Closely, SF
_BOATER FED COM 801H - OWB - PWP0						Out of range
_BOATER FED COM 802H - OWB - PWP0						Out of range
_BOATER FED COM 803H - OWB - PWP0	2,000.0	2,000.0	89.7	78.3	7.843	CC, ES
_BOATER FED COM 803H - OWB - PWP0	2,100.0	2,096.9	91.4	79.6	7.755	SF
_BOATER FED COM 804H - OWB - PWP0	2,000.0	2,000.0	60.0	48.6	5.245	CC, ES
_BOATER FED COM 804H - OWB - PWP0	25,621.7	26,072.7	880.0	636.7	3.618	SF
_BOATER FED COM 806H - OWB - PWP0	2,000.0	2,000.0	60.0	48.6	5.245	CC, ES
_BOATER FED COM 806H - OWB - PWP0	25,621.7	26,055.3	880.0	636.6	3.616	SF
CAVE LION 5 TB FEDERAL - OWB - AWP						Out of range
CAVE LION 5 TB FEDERAL 008H - OWB - AWP						Out of range
CAVE LION 5 TB FEDERAL 015H - OWB - AWP	23,644.5	14,164.5	297.7	158.1	2.133	Caution - Monitor Closely, CC
CAVE LION 5 TB FEDERAL 015H - OWB - AWP	23,700.0	14,109.4	297.7	157.7	2.127	Caution - Monitor Closely, ES
CAVE LION 5 TB FEDERAL 015H - OWB - AWP	23,800.0	14,014.4	298.7	158.2	2.125	Caution - Monitor Closely, SF
CAVE LION 5 WA FEDERAL 009H - OWB - AWP						Out of range
CAVE LION 5 WC FEDERAL 002H - OWB - AWP						Out of range
CAVE LION 5 WXY FEDERAL 006H - OWB - AWP						Out of range
CAVE LION FEDERAL 26-35-5 WA 005H - OWB - AWP						Out of range
CAVE LION 5 FEDERAL (5H, 1H)						
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

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
GREEN BERET FEDERAL PROJECT (BULLDOG 2535)						
DUO SONIC 29 FEDERAL #4H - OWB - AWP	11,000.0	13,146.0	766.0	703.8	12.305 CC	
DUO SONIC 29 FEDERAL #4H - OWB - AWP	11,004.4	13,146.0	766.0	703.8	12.302 ES, SF	
GREEN BERET FED COM #501H - OWB - AWP	12,450.0	20,226.0	604.0	518.5	7.059 SF	
GREEN BERET FED COM #501H - OWB - AWP	12,496.7	20,226.0	601.4	516.8	7.105 CC, ES	
GREEN BERET FED COM #602H - OWB - AWP	12,500.0	20,271.0	502.7	417.8	5.926 CC	
GREEN BERET FED COM #602H - OWB - AWP	12,525.0	20,271.0	503.5	417.7	5.868 ES	
GREEN BERET FED COM #602H - OWB - AWP	12,575.0	20,271.0	510.5	422.8	5.818 SF	
GREEN BERET FED COM #603H - OWB - AWP						Out of range
GREEN BERET FED COM #701H - OWB - AWP	11,028.7	18,528.0	549.5	455.3	5.832 CC, ES, SF	
GREEN BERET FED COM #702H - OWB - AWP						Out of range
GREEN BERET FED COM #703H - OWB - AWP						Out of range
GREEN BERET FED COM #801H - OWB - AWP	12,200.0	20,007.0	196.6	131.1	3.003 SF	
GREEN BERET FED COM #801H - OWB - AWP	12,314.1	20,007.0	157.0	116.7	3.897 CC	
GREEN BERET FED COM #801H - OWB - AWP	12,350.0	20,007.0	162.3	115.8	3.485 ES	
TELE DELUX 32 STATE 4H - OWB - AWP	15,789.2	12,613.3	822.6	744.5	10.524 CC	
TELE DELUX 32 STATE 4H - OWB - AWP	15,800.0	12,618.1	822.7	744.4	10.512 ES	
TELE DELUX 32 STATE 4H - OWB - AWP	18,400.0	15,165.3	996.0	872.3	8.050 SF	

Offset Design: BOATER FED COM PROJECT - _BOATER FED COM 603H - OWB - PWP0														Offset Site Error: 0.0 usft
														Offset Well Error: 0.0 usft
Survey Program: 0-r.5 MWD+IFR1		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:						
Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	-90.40	-0.2	-30.0	30.0					
100.0	100.0	100.0	100.0	0.8	0.8	-90.40	-0.2	-30.0	30.0	28.0	1.99	15.066		
200.0	200.0	200.0	200.0	1.4	1.4	-90.40	-0.2	-30.0	30.0	26.7	3.31	9.059		
300.0	300.0	300.0	300.0	1.9	1.9	-90.40	-0.2	-30.0	30.0	25.8	4.20	7.151		
400.0	400.0	400.0	400.0	2.2	2.2	-90.40	-0.2	-30.0	30.0	25.1	4.91	6.108		
500.0	500.0	500.0	500.0	2.6	2.6	-90.40	-0.2	-30.0	30.0	24.5	5.53	5.422		
600.0	600.0	600.0	600.0	2.8	2.8	-90.40	-0.2	-30.0	30.0	23.9	6.09	4.926		
700.0	700.0	700.0	700.0	3.1	3.1	-90.40	-0.2	-30.0	30.0	23.4	6.60	4.545		
800.0	800.0	800.0	800.0	3.3	3.3	-90.40	-0.2	-30.0	30.0	22.9	7.08	4.239		
900.0	900.0	900.0	900.0	3.6	3.6	-90.40	-0.2	-30.0	30.0	22.5	7.52	3.987		
1,000.0	1,000.0	1,000.0	1,000.0	3.8	3.8	-90.40	-0.2	-30.0	30.0	22.1	7.95	3.775		
1,100.0	1,100.0	1,100.0	1,100.0	4.0	4.0	-90.40	-0.2	-30.0	30.0	21.6	8.35	3.592		
1,200.0	1,200.0	1,200.0	1,200.0	4.2	4.2	-90.40	-0.2	-30.0	30.0	21.3	8.74	3.433		
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	-90.40	-0.2	-30.0	30.0	20.9	9.11	3.292		
1,400.0	1,400.0	1,400.0	1,400.0	4.6	4.6	-90.40	-0.2	-30.0	30.0	20.5	9.47	3.167		
1,500.0	1,500.0	1,500.0	1,500.0	4.7	4.7	-90.40	-0.2	-30.0	30.0	20.2	9.82	3.054		
1,600.0	1,600.0	1,600.0	1,600.0	4.9	4.9	-90.40	-0.2	-30.0	30.0	19.8	10.16	2.952 Normal Operations		
1,700.0	1,700.0	1,700.0	1,700.0	5.1	5.1	-90.40	-0.2	-30.0	30.0	19.5	10.49	2.859 Normal Operations		
1,800.0	1,800.0	1,800.0	1,800.0	5.2	5.2	-90.40	-0.2	-30.0	30.0	19.2	10.82	2.774 Normal Operations		
1,900.0	1,900.0	1,900.0	1,900.0	5.4	5.4	-90.40	-0.2	-30.0	30.0	18.9	11.13	2.695 Normal Operations		
2,000.0	2,000.0	2,000.0	2,000.0	5.6	5.6	-90.40	-0.2	-30.0	30.0	18.6	11.44	2.622 Normal Operations, CC, ES, SF		
2,100.0	2,100.0	2,098.9	2,098.9	5.8	5.8	91.35	-0.1	-31.7	31.7	19.9	11.79	2.690 Normal Operations		
2,200.0	2,199.8	2,197.4	2,197.3	6.0	6.0	99.38	0.3	-36.8	37.4	25.3	12.10	3.089		
2,300.0	2,299.5	2,295.2	2,294.7	6.2	6.2	108.15	0.9	-45.2	47.9	35.5	12.43	3.857		
2,400.0	2,398.7	2,391.9	2,390.7	6.4	6.5	115.25	1.8	-56.7	63.8	51.0	12.78	4.995		

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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
Measured Depth (usft)	Vertical Depth (usft)	Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning		
		Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
2,462.3	2,460.3	2,451.5	2,449.6	6.5	6.6	118.61	2.5	-65.4	76.4	63.4	12.93	5.905			
2,500.0	2,497.5	2,487.4	2,485.1	6.6	6.7	120.31	2.9	-71.2	84.8	71.8	13.02	6.517			
2,600.0	2,596.2	2,584.6	2,580.9	6.8	6.9	123.46	4.2	-87.4	107.8	94.5	13.38	8.062			
2,700.0	2,694.9	2,681.8	2,676.7	7.0	7.2	125.50	5.4	-103.6	131.1	117.3	13.75	9.528			
2,800.0	2,793.6	2,779.0	2,772.5	7.3	7.5	126.93	6.7	-119.8	154.4	140.2	14.15	10.908			
2,900.0	2,892.3	2,876.1	2,868.3	7.6	7.7	127.98	7.9	-136.1	177.8	163.2	14.57	12.201			
3,000.0	2,991.0	2,973.3	2,964.1	7.9	8.0	128.79	9.1	-152.3	201.2	186.2	15.01	13.407			
3,100.0	3,089.7	3,070.5	3,059.9	8.2	8.3	129.43	10.4	-168.5	224.7	209.2	15.46	14.530			
3,200.0	3,188.4	3,167.7	3,155.7	8.5	8.6	129.95	11.6	-184.7	248.2	232.2	15.93	15.574			
3,300.0	3,287.1	3,264.9	3,251.6	8.8	9.0	130.38	12.9	-200.9	271.7	255.2	16.42	16.544			
3,400.0	3,385.8	3,362.0	3,347.4	9.2	9.3	130.74	14.1	-217.1	295.2	278.3	16.92	17.445			
3,500.0	3,484.5	3,459.2	3,443.2	9.5	9.6	131.05	15.4	-233.3	318.7	301.3	17.43	18.282			
3,600.0	3,583.2	3,556.4	3,539.0	9.9	10.0	131.31	16.6	-249.5	342.2	324.3	17.93	19.085			
3,700.0	3,681.9	3,658.4	3,639.7	10.2	10.3	131.64	17.8	-265.6	365.1	346.7	18.47	19.766			
3,800.0	3,780.6	3,761.2	3,741.5	10.6	10.7	132.11	18.9	-280.1	386.7	367.7	19.04	20.311			
3,900.0	3,879.3	3,864.5	3,844.0	11.0	11.1	132.70	19.9	-292.8	407.0	387.4	19.61	20.757			
4,000.0	3,978.0	3,968.3	3,947.2	11.4	11.4	133.41	20.7	-303.8	426.0	405.8	20.17	21.117			
4,100.0	4,076.7	4,072.4	4,050.9	11.7	11.8	134.22	21.4	-312.8	443.7	422.9	20.74	21.397			
4,102.8	4,079.5	4,075.3	4,053.8	11.8	11.8	134.24	21.5	-313.1	444.2	423.4	20.75	21.404			
4,200.0	4,175.5	4,177.0	4,155.3	12.1	12.2	135.16	22.0	-320.1	459.6	438.3	21.28	21.594			
4,300.0	4,274.6	4,282.2	4,260.3	12.5	12.5	136.04	22.4	-325.4	473.0	451.2	21.81	21.682			
4,400.0	4,373.9	4,387.8	4,365.8	12.9	12.8	136.86	22.7	-328.8	483.9	461.6	22.32	21.677			
4,500.0	4,473.4	4,493.7	4,471.7	13.2	13.0	137.64	22.8	-330.3	492.3	469.5	22.79	21.599			
4,600.0	4,573.1	4,595.0	4,573.1	13.6	13.1	138.33	22.8	-330.4	498.6	475.4	23.14	21.545			
4,700.0	4,672.9	4,694.8	4,672.9	13.9	13.2	138.86	22.8	-330.4	503.5	480.0	23.48	21.440			
4,800.0	4,772.7	4,794.7	4,772.7	14.3	13.3	139.25	22.8	-330.4	507.2	483.3	23.82	21.295			
4,900.0	4,872.7	4,894.7	4,872.7	14.5	13.3	139.49	22.8	-330.4	509.5	485.4	24.13	21.117			
5,000.0	4,972.7	4,994.6	4,972.7	14.8	13.4	139.60	22.8	-330.4	510.5	486.1	24.40	20.923			
5,027.3	5,000.0	5,022.0	5,000.0	14.8	13.4	-38.81	22.8	-330.4	510.6	486.1	24.44	20.893			
5,100.0	5,072.7	5,094.6	5,072.7	14.8	13.5	-38.81	22.8	-330.4	510.6	486.1	24.52	20.825			
5,200.0	5,172.7	5,194.6	5,172.7	14.9	13.5	-38.81	22.8	-330.4	510.6	485.9	24.65	20.716			
5,300.0	5,272.7	5,294.6	5,272.7	14.9	13.6	-38.81	22.8	-330.4	510.6	485.8	24.78	20.608			
5,400.0	5,372.7	5,394.6	5,372.7	15.0	13.7	-38.81	22.8	-330.4	510.6	485.7	24.91	20.501			
5,500.0	5,472.7	5,494.6	5,472.7	15.0	13.7	-38.81	22.8	-330.4	510.6	485.5	25.04	20.395			
5,600.0	5,572.7	5,594.6	5,572.7	15.1	13.8	-38.81	22.8	-330.4	510.6	485.4	25.17	20.289			
5,700.0	5,672.7	5,694.6	5,672.7	15.1	13.9	-38.81	22.8	-330.4	510.6	485.3	25.30	20.184			
5,800.0	5,772.7	5,794.6	5,772.7	15.1	13.9	-38.81	22.8	-330.4	510.6	485.2	25.43	20.080			
5,900.0	5,872.7	5,894.6	5,872.7	15.2	14.0	-38.81	22.8	-330.4	510.6	485.0	25.56	19.977			
6,000.0	5,972.7	5,994.6	5,972.7	15.2	14.1	-38.81	22.8	-330.4	510.6	484.9	25.69	19.875			
6,100.0	6,072.7	6,094.6	6,072.7	15.3	14.1	-38.81	22.8	-330.4	510.6	484.8	25.82	19.773			
6,200.0	6,172.7	6,194.6	6,172.7	15.3	14.2	-38.81	22.8	-330.4	510.6	484.6	25.95	19.672			
6,300.0	6,272.7	6,294.6	6,272.7	15.4	14.3	-38.81	22.8	-330.4	510.6	484.5	26.09	19.572			
6,400.0	6,372.7	6,394.6	6,372.7	15.4	14.3	-38.81	22.8	-330.4	510.6	484.4	26.22	19.473			
6,500.0	6,472.7	6,494.6	6,472.7	15.5	14.4	-38.81	22.8	-330.4	510.6	484.2	26.35	19.374			
6,600.0	6,572.7	6,594.6	6,572.7	15.5	14.5	-38.81	22.8	-330.4	510.6	484.1	26.49	19.276			
6,700.0	6,672.7	6,694.6	6,672.7	15.6	14.6	-38.81	22.8	-330.4	510.6	484.0	26.62	19.179			
6,800.0	6,772.7	6,794.6	6,772.7	15.6	14.6	-38.81	22.8	-330.4	510.6	483.8	26.76	19.083			
6,900.0	6,872.7	6,894.6	6,872.7	15.7	14.7	-38.81	22.8	-330.4	510.6	483.7	26.89	18.988			
7,000.0	6,972.7	6,994.6	6,972.7	15.7	14.8	-38.81	22.8	-330.4	510.6	483.6	27.02	18.893			
7,100.0	7,072.7	7,094.6	7,072.7	15.8	14.8	-38.81	22.8	-330.4	510.6	483.4	27.16	18.799			
7,200.0	7,172.7	7,194.6	7,172.7	15.8	14.9	-38.81	22.8	-330.4	510.6	483.3	27.30	18.706			

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
7,300.0	7,272.7	7,294.6	7,272.7	15.9	15.0	-38.81	22.8	-330.4	510.6	483.1	27.43	18.613			
7,400.0	7,372.7	7,394.6	7,372.7	15.9	15.1	-38.81	22.8	-330.4	510.6	483.0	27.57	18.521			
7,500.0	7,472.7	7,494.6	7,472.7	16.0	15.1	-38.81	22.8	-330.4	510.6	482.9	27.70	18.430			
7,600.0	7,572.7	7,594.6	7,572.7	16.0	15.2	-38.81	22.8	-330.4	510.6	482.7	27.84	18.340			
7,700.0	7,672.7	7,694.6	7,672.7	16.1	15.3	-38.81	22.8	-330.4	510.6	482.6	27.98	18.250			
7,800.0	7,772.7	7,794.6	7,772.7	16.2	15.3	-38.81	22.8	-330.4	510.6	482.5	28.11	18.161			
7,900.0	7,872.7	7,894.6	7,872.7	16.2	15.4	-38.81	22.8	-330.4	510.6	482.3	28.25	18.073			
8,000.0	7,972.7	7,994.6	7,972.7	16.3	15.5	-38.81	22.8	-330.4	510.6	482.2	28.39	17.985			
8,100.0	8,072.7	8,094.6	8,072.7	16.3	15.6	-38.81	22.8	-330.4	510.6	482.1	28.53	17.898			
8,200.0	8,172.7	8,194.6	8,172.7	16.4	15.6	-38.81	22.8	-330.4	510.6	481.9	28.66	17.812			
8,300.0	8,272.7	8,294.6	8,272.7	16.4	15.7	-38.81	22.8	-330.4	510.6	481.8	28.80	17.727			
8,400.0	8,372.7	8,394.6	8,372.7	16.5	15.8	-38.81	22.8	-330.4	510.6	481.6	28.94	17.642			
8,500.0	8,472.7	8,494.6	8,472.7	16.5	15.8	-38.81	22.8	-330.4	510.6	481.5	29.08	17.558			
8,600.0	8,572.7	8,594.6	8,572.7	16.6	15.9	-38.81	22.8	-330.4	510.6	481.4	29.22	17.474			
8,700.0	8,672.7	8,694.6	8,672.7	16.6	16.0	-38.81	22.8	-330.4	510.6	481.2	29.36	17.391			
8,800.0	8,772.7	8,794.6	8,772.7	16.7	16.1	-38.81	22.8	-330.4	510.6	481.1	29.50	17.309			
8,900.0	8,872.7	8,894.6	8,872.7	16.8	16.1	-38.81	22.8	-330.4	510.6	480.9	29.64	17.227			
9,000.0	8,972.7	8,994.6	8,972.7	16.8	16.2	-38.81	22.8	-330.4	510.6	480.8	29.78	17.146			
9,100.0	9,072.7	9,094.6	9,072.7	16.9	16.3	-38.81	22.8	-330.4	510.6	480.7	29.92	17.066			
9,200.0	9,172.7	9,194.6	9,172.7	16.9	16.3	-38.81	22.8	-330.4	510.6	480.5	30.06	16.987			
9,300.0	9,272.7	9,294.6	9,272.7	17.0	16.4	-38.81	22.8	-330.4	510.6	480.4	30.20	16.907			
9,400.0	9,372.7	9,394.6	9,372.7	17.0	16.5	-38.81	22.8	-330.4	510.6	480.2	30.34	16.829			
9,500.0	9,472.7	9,494.6	9,472.7	17.1	16.6	-38.81	22.8	-330.4	510.6	480.1	30.48	16.751			
9,600.0	9,572.7	9,594.6	9,572.7	17.1	16.6	-38.81	22.8	-330.4	510.6	480.0	30.62	16.674			
9,700.0	9,672.7	9,694.6	9,672.7	17.2	16.7	-38.81	22.8	-330.4	510.6	479.8	30.76	16.597			
9,800.0	9,772.7	9,794.6	9,772.7	17.3	16.8	-38.81	22.8	-330.4	510.6	479.7	30.90	16.521			
9,900.0	9,872.7	9,894.6	9,872.7	17.3	16.9	-38.81	22.8	-330.4	510.6	479.5	31.05	16.446			
10,000.0	9,972.7	9,994.6	9,972.7	17.4	16.9	-38.81	22.8	-330.4	510.6	479.4	31.19	16.371			
10,100.0	10,072.7	10,094.6	10,072.7	17.4	17.0	-38.81	22.8	-330.4	510.6	479.3	31.33	16.297			
10,200.0	10,172.7	10,194.6	10,172.7	17.5	17.1	-38.81	22.8	-330.4	510.6	479.1	31.47	16.223			
10,300.0	10,272.7	10,294.6	10,272.7	17.5	17.1	-38.81	22.8	-330.4	510.6	479.0	31.61	16.150			
10,400.0	10,372.7	10,394.6	10,372.7	17.6	17.2	-38.81	22.8	-330.4	510.6	478.8	31.76	16.078			
10,500.0	10,472.7	10,494.6	10,472.7	17.7	17.3	-38.81	22.8	-330.4	510.6	478.7	31.90	16.006			
10,600.0	10,572.7	10,594.6	10,572.7	17.7	17.4	-38.81	22.8	-330.4	510.6	478.5	32.04	15.934			
10,700.0	10,672.7	10,694.6	10,672.7	17.8	17.4	-38.81	22.8	-330.4	510.6	478.4	32.19	15.863			
10,800.0	10,772.7	10,794.6	10,772.7	17.8	17.5	-38.81	22.8	-330.4	510.6	478.3	32.33	15.793			
10,900.0	10,872.7	10,894.6	10,872.7	17.9	17.6	-38.81	22.8	-330.4	510.6	478.1	32.47	15.723			
11,000.0	10,972.7	10,994.6	10,972.7	18.0	17.7	-38.81	22.8	-330.4	510.6	478.0	32.62	15.654			
11,100.0	11,072.7	11,094.6	11,072.7	18.0	17.7	-38.81	22.8	-330.4	510.6	477.8	32.76	15.585			
11,200.0	11,172.7	11,194.6	11,172.7	18.1	17.8	-38.81	22.8	-330.4	510.6	477.7	32.90	15.517			
11,300.0	11,272.7	11,294.6	11,272.7	18.1	17.9	-38.81	22.8	-330.4	510.6	477.5	33.05	15.449			
11,400.0	11,372.7	11,394.6	11,372.7	18.2	18.0	-38.81	22.8	-330.4	510.6	477.4	33.19	15.382			
11,500.0	11,472.7	11,494.6	11,472.7	18.3	18.0	-38.81	22.8	-330.4	510.6	477.2	33.34	15.315			
11,600.0	11,572.7	11,594.6	11,572.7	18.3	18.1	-38.81	22.8	-330.4	510.6	477.1	33.48	15.249			
11,700.0	11,672.7	11,694.6	11,672.7	18.4	18.2	-38.81	22.8	-330.4	510.6	477.0	33.63	15.184			
11,800.0	11,772.7	11,794.6	11,772.7	18.4	18.3	-38.81	22.8	-330.4	510.6	476.8	33.77	15.118			
11,900.0	11,872.7	11,894.6	11,872.7	18.5	18.3	-38.81	22.8	-330.4	510.6	476.7	33.92	15.054			
12,000.0	11,972.7	12,278.5	12,225.0	18.6	18.2	-49.48	-102.5	-329.2	489.5	450.5	38.92	12.577			
12,100.0	12,072.7	12,472.4	12,337.9	18.6	18.3	-69.85	-258.6	-327.8	429.7	388.6	41.07	10.462			
12,200.0	12,172.7	12,542.5	12,361.8	18.7	18.4	-80.90	-324.4	-327.2	372.4	333.8	38.59	9.652			

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
12,299.8	12,272.5	12,576.9	12,370.0	18.7	18.4	-86.88	-357.8	-326.9	331.6	296.8	34.84	9.519			
12,300.0	12,272.7	12,577.0	12,370.0	18.7	18.4	-86.89	-357.9	-326.9	331.5	296.7	34.83	9.519			
12,325.0	12,297.7	12,583.8	12,371.4	18.8	18.4	93.29	-364.5	-326.8	325.1	291.0	34.05	9.547			
12,350.0	12,322.6	12,591.2	12,372.7	18.8	18.4	92.57	-371.8	-326.7	320.3	286.9	33.47	9.571			
12,375.0	12,347.4	12,599.2	12,374.0	18.9	18.4	91.54	-379.7	-326.7	317.4	284.3	33.15	9.575			
12,400.0	12,371.9	12,607.6	12,375.3	19.0	18.4	90.23	-388.0	-326.6	316.3	283.2	33.13	9.546			
12,403.6	12,375.4	12,608.8	12,375.5	19.0	18.4	90.03	-389.2	-326.6	316.3	283.1	33.16	9.539			
12,425.0	12,396.2	12,616.4	12,376.4	19.1	18.5	88.67	-396.8	-326.5	316.9	283.5	33.42	9.483			
12,450.0	12,420.2	12,625.0	12,377.4	19.2	18.5	86.97	-405.3	-326.4	319.2	285.2	33.99	9.391			
12,475.0	12,443.8	12,635.0	12,378.3	19.3	18.5	84.87	-415.2	-326.3	323.0	288.2	34.80	9.283			
12,500.0	12,466.9	12,644.6	12,379.0	19.3	18.5	82.68	-424.9	-326.2	328.3	292.5	35.78	9.175			
12,525.0	12,489.4	12,654.5	12,379.5	19.4	18.5	80.33	-434.7	-326.2	334.9	298.0	36.89	9.078			
12,550.0	12,511.4	12,664.6	12,379.9	19.5	18.5	77.86	-444.8	-326.1	342.6	304.5	38.05	9.003			
12,575.0	12,532.7	12,675.0	12,380.0	19.6	18.5	75.28	-455.1	-326.0	351.3	312.0	39.23	8.955			
12,600.0	12,553.3	12,689.1	12,380.0	19.7	18.6	72.16	-469.3	-325.8	360.7	320.3	40.38	8.931			
12,625.0	12,573.1	12,704.3	12,380.0	19.8	18.6	68.99	-484.5	-325.7	370.6	329.1	41.49	8.934			
12,650.0	12,592.1	12,720.6	12,380.0	19.9	18.6	65.84	-500.8	-325.5	380.9	338.4	42.52	8.958			
12,675.0	12,610.2	12,737.8	12,380.0	20.0	18.7	62.77	-518.0	-325.4	391.3	347.8	43.47	9.001			
12,700.0	12,627.4	12,755.9	12,380.0	20.1	18.7	59.83	-536.1	-325.2	401.6	357.3	44.35	9.057			
12,725.0	12,643.7	12,775.0	12,380.0	20.2	18.8	57.07	-555.1	-325.0	411.8	366.7	45.14	9.124			
12,750.0	12,658.9	12,794.8	12,380.0	20.3	18.8	54.50	-575.0	-324.8	421.8	375.9	45.86	9.197			
12,775.0	12,673.0	12,815.4	12,380.0	20.4	18.8	52.16	-595.6	-324.7	431.3	384.7	46.51	9.272			
12,800.0	12,686.1	12,836.7	12,380.0	20.4	18.9	50.04	-616.9	-324.5	440.2	393.1	47.10	9.346			
12,825.0	12,698.0	12,858.7	12,380.0	20.5	19.0	48.15	-638.9	-324.3	448.6	401.0	47.63	9.418			
12,850.0	12,708.8	12,881.3	12,380.0	20.6	19.0	46.49	-661.4	-324.0	456.3	408.2	48.11	9.485			
12,875.0	12,718.3	12,904.4	12,380.0	20.6	19.1	45.05	-684.5	-323.8	463.2	414.7	48.53	9.545			
12,900.0	12,726.7	12,927.9	12,380.0	20.7	19.2	43.82	-708.1	-323.6	469.4	420.5	48.92	9.595			
12,925.0	12,733.7	12,951.9	12,380.0	20.7	19.2	42.80	-732.1	-323.4	474.6	425.4	49.26	9.635			
12,950.0	12,739.6	12,976.2	12,380.0	20.8	19.3	41.98	-756.4	-323.2	479.0	429.4	49.56	9.665			
12,975.0	12,744.1	13,000.8	12,380.0	20.8	19.4	41.34	-781.0	-322.9	482.4	432.6	49.83	9.682			
13,000.0	12,747.4	13,025.6	12,380.0	20.8	19.5	40.90	-805.7	-322.7	484.9	434.8	50.06	9.686			
13,025.0	12,749.3	13,050.5	12,380.0	20.8	19.6	40.63	-830.7	-322.5	486.4	436.1	50.27	9.676			
13,049.8	12,750.0	13,075.3	12,380.0	20.8	19.7	40.54	-855.5	-322.2	486.9	436.5	50.43	9.654			
13,100.0	12,750.0	13,125.5	12,380.0	20.9	19.8	40.54	-905.6	-321.8	486.9	436.2	50.74	9.595			
13,200.0	12,750.0	13,225.5	12,380.0	20.9	20.3	40.55	-1,005.6	-320.8	486.9	435.5	51.41	9.472			
13,300.0	12,750.0	13,325.5	12,380.0	20.9	20.7	40.55	-1,105.6	-319.9	487.0	434.8	52.12	9.343			
13,400.0	12,750.0	13,425.5	12,380.0	20.9	21.2	40.56	-1,205.6	-319.0	487.0	434.1	52.88	9.209			
13,500.0	12,750.0	13,525.5	12,380.0	21.0	21.7	40.56	-1,305.6	-318.0	487.0	433.3	53.68	9.072			
13,600.0	12,750.0	13,625.5	12,380.0	21.0	22.2	40.56	-1,405.6	-317.1	487.0	432.5	54.53	8.932			
13,700.0	12,750.0	13,725.5	12,380.0	21.0	22.8	40.57	-1,505.6	-316.2	487.1	431.7	55.41	8.790			
13,800.0	12,750.0	13,825.5	12,380.0	21.1	23.4	40.57	-1,605.6	-315.3	487.1	430.8	56.33	8.647			
13,900.0	12,750.0	13,925.5	12,380.0	21.2	24.0	40.58	-1,705.6	-314.3	487.1	429.8	57.29	8.503			
14,000.0	12,750.0	14,025.5	12,380.0	21.9	24.7	40.58	-1,805.6	-313.4	487.2	428.9	58.29	8.358			
14,100.0	12,750.0	14,125.5	12,380.0	22.6	25.3	40.58	-1,905.6	-312.5	487.2	427.9	59.31	8.214			
14,200.0	12,750.0	14,225.5	12,380.0	23.4	26.0	40.59	-2,005.6	-311.5	487.2	426.8	60.37	8.071			
14,300.0	12,750.0	14,325.5	12,380.0	24.1	26.7	40.59	-2,105.6	-310.6	487.2	425.8	61.46	7.928			
14,400.0	12,750.0	14,425.5	12,380.0	24.9	27.5	40.60	-2,205.6	-309.7	487.3	424.7	62.57	7.788			
14,500.0	12,750.0	14,525.5	12,380.0	25.7	28.2	40.60	-2,305.6	-308.7	487.3	423.6	63.71	7.649			
14,600.0	12,750.0	14,625.5	12,380.0	26.6	28.9	40.60	-2,405.6	-307.8	487.3	422.5	64.88	7.512			
14,700.0	12,750.0	14,725.5	12,380.0	27.4	29.7	40.61	-2,505.6	-306.9	487.4	421.3	66.07	7.377			
14,800.0	12,750.0	14,825.5	12,380.0	28.2	30.5	40.61	-2,605.6	-305.9	487.4	420.1	67.28	7.244			

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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
Measured Depth (usft)	Vertical Depth (usft)	Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning	
		Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
14,900.0	12,750.0	14,925.5	12,380.0	29.1	31.2	40.62	-2,705.6	-305.0	487.4	418.9	68.51	7.114		
15,000.0	12,750.0	15,025.5	12,380.0	29.9	32.0	40.62	-2,805.6	-304.1	487.4	417.7	69.76	6.987		
15,100.0	12,750.0	15,125.5	12,380.0	30.8	32.8	40.62	-2,905.6	-303.2	487.5	416.4	71.04	6.862		
15,200.0	12,750.0	15,225.5	12,380.0	31.6	33.6	40.63	-3,005.6	-302.2	487.5	415.2	72.33	6.740		
15,300.0	12,750.0	15,325.5	12,380.0	32.5	34.5	40.63	-3,105.5	-301.3	487.5	413.9	73.63	6.621		
15,400.0	12,750.0	15,425.5	12,380.0	33.4	35.3	40.63	-3,205.5	-300.4	487.6	412.6	74.96	6.504		
15,500.0	12,750.0	15,525.5	12,380.0	34.2	36.1	40.64	-3,305.5	-299.4	487.6	411.3	76.30	6.391		
15,600.0	12,750.0	15,625.5	12,380.0	35.1	36.9	40.64	-3,405.5	-298.5	487.6	410.0	77.65	6.280		
15,700.0	12,750.0	15,725.5	12,380.0	36.0	37.8	40.65	-3,505.5	-297.6	487.6	408.6	79.02	6.171		
15,800.0	12,750.0	15,825.5	12,380.0	36.9	38.6	40.65	-3,605.5	-296.6	487.7	407.3	80.40	6.066		
15,900.0	12,750.0	15,925.5	12,380.0	37.8	39.5	40.65	-3,705.5	-295.7	487.7	405.9	81.79	5.963		
16,000.0	12,750.0	16,025.5	12,380.0	38.7	40.3	40.66	-3,805.5	-294.8	487.7	404.5	83.19	5.862		
16,100.0	12,750.0	16,125.5	12,380.0	39.6	41.2	40.66	-3,905.5	-293.9	487.8	403.1	84.61	5.765		
16,200.0	12,750.0	16,225.5	12,380.0	40.5	42.1	40.67	-4,005.5	-292.9	487.8	401.7	86.04	5.669		
16,300.0	12,750.0	16,325.5	12,380.0	41.4	43.0	40.67	-4,105.5	-292.0	487.8	400.3	87.47	5.577		
16,400.0	12,750.0	16,425.5	12,380.0	42.3	43.8	40.67	-4,205.5	-291.1	487.8	398.9	88.92	5.486		
16,500.0	12,750.0	16,525.5	12,380.0	43.2	44.7	40.68	-4,305.5	-290.1	487.9	397.5	90.37	5.398		
16,600.0	12,750.0	16,625.5	12,380.0	44.1	45.6	40.68	-4,405.5	-289.2	487.9	396.1	91.84	5.313		
16,700.0	12,750.0	16,725.5	12,380.0	45.0	46.5	40.69	-4,505.5	-288.3	487.9	394.6	93.31	5.229		
16,800.0	12,750.0	16,825.5	12,380.0	46.0	47.4	40.69	-4,605.5	-287.3	488.0	393.2	94.79	5.148		
16,900.0	12,750.0	16,925.5	12,380.0	46.9	48.3	40.69	-4,705.5	-286.4	488.0	391.7	96.28	5.068		
17,000.0	12,750.0	17,025.5	12,380.0	47.8	49.2	40.70	-4,805.5	-285.5	488.0	390.2	97.78	4.991		
17,100.0	12,750.0	17,125.5	12,380.0	48.7	50.1	40.70	-4,905.5	-284.5	488.0	388.8	99.28	4.916		
17,200.0	12,750.0	17,225.5	12,380.0	49.6	51.0	40.71	-5,005.5	-283.6	488.1	387.3	100.79	4.843		
17,300.0	12,750.0	17,325.5	12,380.0	50.6	51.9	40.71	-5,105.5	-282.7	488.1	385.8	102.30	4.771		
17,400.0	12,750.0	17,425.5	12,380.0	51.5	52.8	40.71	-5,205.5	-281.8	488.1	384.3	103.82	4.702		
17,500.0	12,750.0	17,525.5	12,380.0	52.4	53.7	40.72	-5,305.5	-280.8	488.2	382.8	105.35	4.634		
17,600.0	12,750.0	17,625.5	12,380.0	53.3	54.6	40.72	-5,405.4	-279.9	488.2	381.3	106.88	4.567		
17,700.0	12,750.0	17,725.5	12,380.0	54.3	55.5	40.72	-5,505.4	-279.0	488.2	379.8	108.42	4.503		
17,800.0	12,750.0	17,825.5	12,380.0	55.2	56.4	40.73	-5,605.4	-278.0	488.2	378.3	109.96	4.440		
17,900.0	12,750.0	17,925.5	12,380.0	56.1	57.3	40.73	-5,705.4	-277.1	488.3	376.8	111.51	4.379		
18,000.0	12,750.0	18,025.5	12,380.0	57.1	58.2	40.74	-5,805.4	-276.2	488.3	375.2	113.06	4.319		
18,100.0	12,750.0	18,125.5	12,380.0	58.0	59.1	40.74	-5,905.4	-275.2	488.3	373.7	114.62	4.260		
18,200.0	12,750.0	18,225.5	12,380.0	58.9	60.1	40.74	-6,005.4	-274.3	488.4	372.2	116.18	4.203		
18,300.0	12,750.0	18,325.5	12,380.0	59.9	61.0	40.75	-6,105.4	-273.4	488.4	370.6	117.75	4.148		
18,400.0	12,750.0	18,425.5	12,380.0	60.8	61.9	40.75	-6,205.4	-272.5	488.4	369.1	119.31	4.093		
18,500.0	12,750.0	18,525.5	12,380.0	61.8	62.8	40.76	-6,305.4	-271.5	488.4	367.5	120.89	4.040		
18,600.0	12,750.0	18,625.5	12,380.0	62.7	63.7	40.76	-6,405.4	-270.6	488.5	366.0	122.46	3.989		
18,700.0	12,750.0	18,725.5	12,380.0	63.6	64.7	40.76	-6,505.4	-269.7	488.5	364.4	124.04	3.938		
18,800.0	12,750.0	18,825.5	12,380.0	64.6	65.6	40.77	-6,605.4	-268.7	488.5	362.9	125.63	3.889		
18,900.0	12,750.0	18,925.5	12,380.0	65.5	66.5	40.77	-6,705.4	-267.8	488.6	361.3	127.22	3.840		
19,000.0	12,750.0	19,025.5	12,380.0	66.5	67.4	40.78	-6,805.4	-266.9	488.6	359.8	128.81	3.793		
19,100.0	12,750.0	19,125.5	12,380.0	67.4	68.4	40.78	-6,905.4	-265.9	488.6	358.2	130.40	3.747		
19,200.0	12,750.0	19,225.5	12,380.0	68.3	69.3	40.78	-7,005.4	-265.0	488.6	356.6	131.99	3.702		
19,300.0	12,750.0	19,325.5	12,380.0	69.3	70.2	40.79	-7,105.4	-264.1	488.7	355.1	133.59	3.658		
19,400.0	12,750.0	19,425.5	12,380.0	70.2	71.2	40.79	-7,205.4	-263.1	488.7	353.5	135.20	3.615		
19,500.0	12,750.0	19,525.5	12,380.0	71.2	72.1	40.80	-7,305.4	-262.2	488.7	351.9	136.80	3.573		
19,600.0	12,750.0	19,625.5	12,380.0	72.1	73.0	40.80	-7,405.4	-261.3	488.7	350.3	138.41	3.531		
19,700.0	12,750.0	19,725.5	12,380.0	73.1	74.0	40.80	-7,505.4	-260.4	488.8	348.8	140.02	3.491		
19,800.0	12,750.0	19,825.5	12,380.0	74.0	74.9	40.81	-7,605.4	-259.4	488.8	347.2	141.63	3.451		

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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
Measured Depth (usft)	Vertical Depth (usft)	Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
		Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
19,900.0	12,750.0	19,925.5	12,380.0	75.0	75.8	40.81	-7,705.3	-258.5	488.8	345.6	143.24	3.413	
20,000.0	12,750.0	20,025.5	12,380.0	75.9	76.8	40.81	-7,805.3	-257.6	488.9	344.0	144.86	3.375	
20,100.0	12,750.0	20,125.5	12,380.0	76.9	77.7	40.82	-7,905.3	-256.6	488.9	342.4	146.48	3.338	
20,200.0	12,750.0	20,225.5	12,380.0	77.8	78.6	40.82	-8,005.3	-255.7	488.9	340.8	148.10	3.301	
20,300.0	12,750.0	20,325.5	12,380.0	78.8	79.6	40.83	-8,105.3	-254.8	488.9	339.2	149.72	3.266	
20,400.0	12,750.0	20,359.7	12,380.0	79.7	79.9	40.83	-8,139.6	-254.5	493.4	343.7	149.72	3.295	
20,500.0	12,750.0	20,359.7	12,380.0	80.7	79.9	40.83	-8,139.6	-254.5	516.3	371.5	144.79	3.566	
20,600.0	12,750.0	20,359.7	12,380.0	81.6	79.9	40.83	-8,139.6	-254.5	556.6	420.0	136.56	4.075	
20,700.0	12,750.0	20,359.7	12,380.0	82.6	79.9	40.83	-8,139.6	-254.5	610.7	483.6	127.07	4.806	
20,800.0	12,750.0	20,359.7	12,380.0	83.5	79.9	40.83	-8,139.6	-254.5	675.4	557.6	117.74	5.736	
20,900.0	12,750.0	20,359.7	12,380.0	84.5	79.9	40.83	-8,139.6	-254.5	747.9	638.5	109.31	6.842	
21,000.0	12,750.0	20,359.7	12,380.0	85.4	79.9	40.83	-8,139.6	-254.5	826.1	724.1	102.01	8.098	
21,100.0	12,750.0	20,359.7	12,380.0	86.4	79.9	40.83	-8,139.6	-254.5	908.6	812.8	95.82	9.483	
21,200.0	12,750.0	20,359.7	12,380.0	87.3	79.9	40.83	-8,139.6	-254.5	994.4	903.8	90.63	10.972	

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
0.0	0.0	0.0	0.0	0.0	0.0	89.60	0.2	30.0	30.0						
100.0	100.0	100.0	100.0	0.8	0.8	89.60	0.2	30.0	30.0	28.0	1.99	15.066			
200.0	200.0	200.0	200.0	1.4	1.4	89.60	0.2	30.0	30.0	26.7	3.31	9.059			
300.0	300.0	300.0	300.0	1.9	1.9	89.60	0.2	30.0	30.0	25.8	4.20	7.151			
400.0	400.0	400.0	400.0	2.2	2.2	89.60	0.2	30.0	30.0	25.1	4.91	6.108			
500.0	500.0	500.0	500.0	2.6	2.6	89.60	0.2	30.0	30.0	24.5	5.53	5.422			
600.0	600.0	600.0	600.0	2.8	2.8	89.60	0.2	30.0	30.0	23.9	6.09	4.926			
700.0	700.0	700.0	700.0	3.1	3.1	89.60	0.2	30.0	30.0	23.4	6.60	4.545			
800.0	800.0	800.0	800.0	3.3	3.3	89.60	0.2	30.0	30.0	22.9	7.08	4.239			
900.0	900.0	900.0	900.0	3.6	3.6	89.60	0.2	30.0	30.0	22.5	7.52	3.987			
1,000.0	1,000.0	1,000.0	1,000.0	3.8	3.8	89.60	0.2	30.0	30.0	22.1	7.95	3.775			
1,100.0	1,100.0	1,100.0	1,100.0	4.0	4.0	89.60	0.2	30.0	30.0	21.6	8.35	3.592			
1,200.0	1,200.0	1,200.0	1,200.0	4.2	4.2	89.60	0.2	30.0	30.0	21.3	8.74	3.433			
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	89.60	0.2	30.0	30.0	20.9	9.11	3.292			
1,400.0	1,400.0	1,400.0	1,400.0	4.6	4.6	89.60	0.2	30.0	30.0	20.5	9.47	3.167			
1,500.0	1,500.0	1,500.0	1,500.0	4.7	4.7	89.60	0.2	30.0	30.0	20.2	9.82	3.054			
1,600.0	1,600.0	1,600.0	1,600.0	4.9	4.9	89.60	0.2	30.0	30.0	19.8	10.16	2.952	Normal Operations		
1,700.0	1,700.0	1,700.0	1,700.0	5.1	5.1	89.60	0.2	30.0	30.0	19.5	10.49	2.859	Normal Operations		
1,800.0	1,800.0	1,800.0	1,800.0	5.2	5.2	89.60	0.2	30.0	30.0	19.2	10.82	2.774	Normal Operations		
1,900.0	1,900.0	1,900.0	1,900.0	5.4	5.4	89.60	0.2	30.0	30.0	18.9	11.13	2.695	Normal Operations		
2,000.0	2,000.0	2,000.0	2,000.0	5.6	5.6	89.60	0.2	30.0	30.0	18.6	11.44	2.623	Normal Operations, CC		
2,100.0	2,100.0	2,100.0	2,100.0	5.8	5.7	-95.31	0.2	30.0	30.1	18.4	11.72	2.570	Normal Operations, ES		
2,200.0	2,199.8	2,199.8	2,199.8	6.0	5.9	-104.94	0.2	30.0	31.0	19.1	11.98	2.591	Normal Operations		
2,300.0	2,299.5	2,299.5	2,299.5	6.2	6.0	-119.04	0.2	30.0	34.3	22.0	12.29	2.794	Normal Operations		
2,400.0	2,398.7	2,398.7	2,398.7	6.4	6.2	-133.69	0.2	30.0	41.7	29.0	12.68	3.286			
2,462.3	2,460.3	2,460.3	2,460.3	6.5	6.2	-141.55	0.2	30.0	48.6	35.7	12.90	3.768			
2,500.0	2,497.5	2,497.5	2,497.5	6.6	6.3	-145.57	0.2	30.0	53.5	40.5	13.02	4.109			
2,600.0	2,596.2	2,594.9	2,594.9	6.8	6.5	-152.11	0.4	31.6	68.3	54.9	13.42	5.092			
2,700.0	2,694.9	2,692.0	2,691.8	7.0	6.7	-154.36	0.8	36.4	85.4	71.7	13.78	6.200			
2,800.0	2,793.6	2,788.5	2,788.0	7.3	6.9	-154.30	1.6	44.4	104.4	90.3	14.14	7.382			
2,900.0	2,892.3	2,884.1	2,883.0	7.6	7.1	-152.99	2.7	55.6	125.2	110.7	14.51	8.626			
3,000.0	2,991.0	2,979.8	2,977.6	7.9	7.3	-151.06	4.1	69.7	147.7	132.9	14.83	9.964			
3,100.0	3,089.7	3,077.0	3,073.6	8.2	7.5	-149.43	5.6	84.7	170.8	155.6	15.21	11.233			
3,200.0	3,188.4	3,174.2	3,169.6	8.5	7.7	-148.18	7.0	99.7	194.1	178.4	15.62	12.421			
3,300.0	3,287.1	3,271.4	3,265.7	8.8	7.9	-147.21	8.5	114.8	217.3	201.3	16.06	13.535			
3,400.0	3,385.8	3,368.6	3,361.7	9.2	8.2	-146.42	10.0	129.8	240.7	224.2	16.51	14.578			
3,500.0	3,484.5	3,465.8	3,457.7	9.5	8.5	-145.77	11.4	144.8	264.0	247.1	16.98	15.552			
3,600.0	3,583.2	3,563.0	3,553.7	9.9	8.7	-145.23	12.9	159.8	287.4	270.0	17.46	16.462			
3,700.0	3,681.9	3,660.2	3,649.7	10.2	9.0	-144.76	14.4	174.8	310.8	292.9	17.96	17.311			
3,800.0	3,780.6	3,757.4	3,745.7	10.6	9.3	-144.37	15.9	189.8	334.3	315.8	18.47	18.102			
3,900.0	3,879.3	3,854.6	3,841.8	11.0	9.7	-144.02	17.3	204.8	357.7	338.7	18.99	18.840			
4,000.0	3,978.0	3,951.8	3,937.8	11.4	10.0	-143.72	18.8	219.9	381.1	361.6	19.52	19.529			
4,100.0	4,076.7	4,048.9	4,033.8	11.7	10.3	-143.45	20.3	234.9	404.6	384.5	20.06	20.169			
4,102.8	4,079.5	4,051.6	4,036.4	11.8	10.3	-143.45	20.3	235.3	405.3	385.2	20.08	20.186			
4,200.0	4,175.5	4,147.3	4,131.0	12.1	10.6	-143.28	21.8	250.0	427.4	406.8	20.59	20.758			
4,300.0	4,274.6	4,250.6	4,233.2	12.5	11.0	-143.10	23.2	264.7	448.0	426.9	21.15	21.180			
4,400.0	4,373.9	4,354.7	4,336.5	12.9	11.4	-142.95	24.5	277.6	466.1	444.4	21.72	21.454			
4,500.0	4,473.4	4,459.5	4,440.7	13.2	11.7	-142.84	25.5	288.8	481.5	459.2	22.28	21.608			
4,600.0	4,573.1	4,564.9	4,545.7	13.6	12.1	-142.75	26.5	298.0	494.3	471.5	22.83	21.653			
4,700.0	4,672.9	4,670.9	4,651.4	13.9	12.4	-142.69	27.2	305.4	504.4	481.1	23.35	21.602			
4,800.0	4,772.7	4,772.2	4,757.6	14.3	12.7	-142.64	27.7	310.9	511.9	488.0	23.85	21.466			

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
4,900.0	4,872.7	4,883.8	4,864.1	14.5	13.0	-142.62	28.1	314.4	516.7	492.3	24.30	21.260			
5,000.0	4,972.7	4,990.5	4,970.8	14.8	13.3	-142.61	28.2	315.9	518.7	494.0	24.69	21.013			
5,027.3	5,000.0	5,019.7	5,000.0	14.8	13.3	38.99	28.2	316.0	518.8	494.1	24.73	20.976			
5,051.5	5,024.2	5,043.9	5,024.2	14.8	13.3	38.99	28.2	316.0	518.8	494.1	24.76	20.956			
5,100.0	5,072.7	5,092.4	5,072.7	14.8	13.4	38.99	28.2	316.0	518.8	494.0	24.81	20.914			
5,200.0	5,172.7	5,192.4	5,172.7	14.9	13.4	38.99	28.2	316.0	518.8	493.9	24.94	20.807			
5,300.0	5,272.7	5,292.4	5,272.7	14.9	13.5	38.99	28.2	316.0	518.8	493.8	25.06	20.701			
5,400.0	5,372.7	5,392.4	5,372.7	15.0	13.6	38.99	28.2	316.0	518.8	493.6	25.19	20.595			
5,500.0	5,472.7	5,492.4	5,472.7	15.0	13.6	38.99	28.2	316.0	518.8	493.5	25.32	20.490			
5,600.0	5,572.7	5,592.4	5,572.7	15.1	13.7	38.99	28.2	316.0	518.8	493.4	25.45	20.386			
5,700.0	5,672.7	5,692.4	5,672.7	15.1	13.8	38.99	28.2	316.0	518.8	493.3	25.58	20.282			
5,800.0	5,772.7	5,792.4	5,772.7	15.1	13.9	38.99	28.2	316.0	518.8	493.1	25.71	20.179			
5,900.0	5,872.7	5,892.4	5,872.7	15.2	13.9	38.99	28.2	316.0	518.8	493.0	25.84	20.077			
6,000.0	5,972.7	5,992.4	5,972.7	15.2	14.0	38.99	28.2	316.0	518.8	492.9	25.97	19.976			
6,100.0	6,072.7	6,092.4	6,072.7	15.3	14.1	38.99	28.2	316.0	518.8	492.7	26.10	19.876			
6,200.0	6,172.7	6,192.4	6,172.7	15.3	14.1	38.99	28.2	316.0	518.8	492.6	26.24	19.776			
6,300.0	6,272.7	6,292.4	6,272.7	15.4	14.2	38.99	28.2	316.0	518.8	492.5	26.37	19.677			
6,400.0	6,372.7	6,392.4	6,372.7	15.4	14.3	38.99	28.2	316.0	518.8	492.3	26.50	19.579			
6,500.0	6,472.7	6,492.4	6,472.7	15.5	14.3	38.99	28.2	316.0	518.8	492.2	26.63	19.481			
6,600.0	6,572.7	6,592.4	6,572.7	15.5	14.4	38.99	28.2	316.0	518.8	492.1	26.77	19.385			
6,700.0	6,672.7	6,692.4	6,672.7	15.6	14.5	38.99	28.2	316.0	518.8	491.9	26.90	19.289			
6,800.0	6,772.7	6,792.4	6,772.7	15.6	14.6	38.99	28.2	316.0	518.8	491.8	27.03	19.193			
6,900.0	6,872.7	6,892.4	6,872.7	15.7	14.6	38.99	28.2	316.0	518.8	491.7	27.17	19.099			
7,000.0	6,972.7	6,992.4	6,972.7	15.7	14.7	38.99	28.2	316.0	518.8	491.5	27.30	19.005			
7,100.0	7,072.7	7,092.4	7,072.7	15.8	14.8	38.99	28.2	316.0	518.8	491.4	27.43	18.912			
7,200.0	7,172.7	7,192.4	7,172.7	15.8	14.8	38.99	28.2	316.0	518.8	491.3	27.57	18.819			
7,300.0	7,272.7	7,292.4	7,272.7	15.9	14.9	38.99	28.2	316.0	518.8	491.1	27.70	18.728			
7,400.0	7,372.7	7,392.4	7,372.7	15.9	15.0	38.99	28.2	316.0	518.8	491.0	27.84	18.637			
7,500.0	7,472.7	7,492.4	7,472.7	16.0	15.1	38.99	28.2	316.0	518.8	490.9	27.97	18.546			
7,600.0	7,572.7	7,592.4	7,572.7	16.0	15.1	38.99	28.2	316.0	518.8	490.7	28.11	18.457			
7,700.0	7,672.7	7,692.4	7,672.7	16.1	15.2	38.99	28.2	316.0	518.8	490.6	28.25	18.368			
7,800.0	7,772.7	7,792.4	7,772.7	16.2	15.3	38.99	28.2	316.0	518.8	490.5	28.38	18.280			
7,900.0	7,872.7	7,892.4	7,872.7	16.2	15.3	38.99	28.2	316.0	518.8	490.3	28.52	18.192			
8,000.0	7,972.7	7,992.4	7,972.7	16.3	15.4	38.99	28.2	316.0	518.8	490.2	28.66	18.105			
8,100.0	8,072.7	8,092.4	8,072.7	16.3	15.5	38.99	28.2	316.0	518.8	490.0	28.79	18.019			
8,200.0	8,172.7	8,192.4	8,172.7	16.4	15.6	38.99	28.2	316.0	518.8	489.9	28.93	17.934			
8,300.0	8,272.7	8,292.4	8,272.7	16.4	15.6	38.99	28.2	316.0	518.8	489.8	29.07	17.849			
8,400.0	8,372.7	8,392.4	8,372.7	16.5	15.7	38.99	28.2	316.0	518.8	489.6	29.21	17.764			
8,500.0	8,472.7	8,492.4	8,472.7	16.5	15.8	38.99	28.2	316.0	518.8	489.5	29.34	17.681			
8,600.0	8,572.7	8,592.4	8,572.7	16.6	15.8	38.99	28.2	316.0	518.8	489.4	29.48	17.598			
8,700.0	8,672.7	8,692.4	8,672.7	16.6	15.9	38.99	28.2	316.0	518.8	489.2	29.62	17.516			
8,800.0	8,772.7	8,792.4	8,772.7	16.7	16.0	38.99	28.2	316.0	518.8	489.1	29.76	17.434			
8,900.0	8,872.7	8,892.4	8,872.7	16.8	16.1	38.99	28.2	316.0	518.8	488.9	29.90	17.353			
9,000.0	8,972.7	8,992.4	8,972.7	16.8	16.1	38.99	28.2	316.0	518.8	488.8	30.04	17.272			
9,100.0	9,072.7	9,092.4	9,072.7	16.9	16.2	38.99	28.2	316.0	518.8	488.7	30.18	17.193			
9,200.0	9,172.7	9,192.4	9,172.7	16.9	16.3	38.99	28.2	316.0	518.8	488.5	30.32	17.113			
9,300.0	9,272.7	9,292.4	9,272.7	17.0	16.4	38.99	28.2	316.0	518.8	488.4	30.46	17.035			
9,400.0	9,372.7	9,392.4	9,372.7	17.0	16.4	38.99	28.2	316.0	518.8	488.2	30.60	16.957			
9,500.0	9,472.7	9,492.4	9,472.7	17.1	16.5	38.99	28.2	316.0	518.8	488.1	30.74	16.879			
9,600.0	9,572.7	9,592.4	9,572.7	17.1	16.6	38.99	28.2	316.0	518.8	488.0	30.88	16.803			

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
9,700.0	9,672.7	9,692.4	9,672.7	17.2	16.6	38.99	28.2	316.0	518.8	487.8	31.02	16.726			
9,800.0	9,772.7	9,792.4	9,772.7	17.3	16.7	38.99	28.2	316.0	518.8	487.7	31.16	16.651			
9,900.0	9,872.7	9,892.4	9,872.7	17.3	16.8	38.99	28.2	316.0	518.8	487.5	31.30	16.576			
10,000.0	9,972.7	9,992.4	9,972.7	17.4	16.9	38.99	28.2	316.0	518.8	487.4	31.44	16.501			
10,100.0	10,072.7	10,092.4	10,072.7	17.4	16.9	38.99	28.2	316.0	518.8	487.2	31.58	16.427			
10,200.0	10,172.7	10,192.4	10,172.7	17.5	17.0	38.99	28.2	316.0	518.8	487.1	31.73	16.354			
10,300.0	10,272.7	10,292.4	10,272.7	17.5	17.1	38.99	28.2	316.0	518.8	487.0	31.87	16.281			
10,400.0	10,372.7	10,392.4	10,372.7	17.6	17.2	38.99	28.2	316.0	518.8	486.8	32.01	16.209			
10,500.0	10,472.7	10,492.4	10,472.7	17.7	17.2	38.99	28.2	316.0	518.8	486.7	32.15	16.137			
10,600.0	10,572.7	10,592.4	10,572.7	17.7	17.3	38.99	28.2	316.0	518.8	486.5	32.29	16.066			
10,700.0	10,672.7	10,692.4	10,672.7	17.8	17.4	38.99	28.2	316.0	518.8	486.4	32.44	15.995			
10,800.0	10,772.7	10,792.4	10,772.7	17.8	17.5	38.99	28.2	316.0	518.8	486.3	32.58	15.925			
10,900.0	10,872.7	10,892.4	10,872.7	17.9	17.5	38.99	28.2	316.0	518.8	486.1	32.72	15.856			
11,000.0	10,972.7	10,992.4	10,972.7	18.0	17.6	38.99	28.2	316.0	518.8	486.0	32.87	15.787			
11,100.0	11,072.7	11,092.4	11,072.7	18.0	17.7	38.99	28.2	316.0	518.8	485.8	33.01	15.718			
11,200.0	11,172.7	11,192.4	11,172.7	18.1	17.8	38.99	28.2	316.0	518.8	485.7	33.15	15.650			
11,300.0	11,272.7	11,292.4	11,272.7	18.1	17.8	38.99	28.2	316.0	518.8	485.5	33.30	15.583			
11,400.0	11,372.7	11,392.4	11,372.7	18.2	17.9	38.99	28.2	316.0	518.8	485.4	33.44	15.516			
11,500.0	11,472.7	11,492.4	11,472.7	18.3	18.0	38.99	28.2	316.0	518.8	485.3	33.58	15.449			
11,600.0	11,572.7	11,592.4	11,572.7	18.3	18.1	38.99	28.2	316.0	518.8	485.1	33.73	15.383			
11,700.0	11,672.7	11,692.4	11,672.7	18.4	18.1	38.99	28.2	316.0	518.8	485.0	33.87	15.318			
11,800.0	11,772.7	11,792.4	11,772.7	18.4	18.2	38.99	28.2	316.0	518.8	484.8	34.02	15.253			
11,900.0	11,872.7	11,892.4	11,872.7	18.5	18.3	38.99	28.2	316.0	518.8	484.7	34.16	15.188			
12,000.0	11,972.7	11,992.4	11,972.7	18.6	18.4	38.99	28.2	316.0	518.8	484.5	34.31	15.124			
12,100.0	12,072.7	12,093.3	12,073.6	18.6	18.4	38.99	28.2	316.0	518.8	484.4	34.45	15.062			
12,200.0	12,172.7	12,528.2	12,450.4	18.7	18.3	56.45	-157.4	317.8	481.9	440.9	40.98	11.759			
12,299.8	12,272.5	12,666.0	12,517.8	18.7	18.4	73.41	-277.0	319.0	422.3	381.2	41.01	10.296			
12,300.0	12,272.7	12,666.1	12,517.8	18.7	18.4	73.43	-277.1	319.0	422.2	381.2	41.01	10.295			
12,325.0	12,297.7	12,685.4	12,524.5	18.8	18.4	-105.10	-295.3	319.2	408.1	367.7	40.39	10.103			
12,350.0	12,322.6	12,703.6	12,530.0	18.8	18.4	-104.17	-312.5	319.3	394.9	355.3	39.65	9.959			
12,375.0	12,347.4	12,720.8	12,534.6	18.9	18.4	-103.19	-329.1	319.5	382.8	344.0	38.83	9.859			
12,400.0	12,371.9	12,737.3	12,538.5	19.0	18.5	-102.14	-345.1	319.6	371.8	333.9	37.94	9.801			
12,425.0	12,396.2	12,753.2	12,541.7	19.1	18.5	-101.00	-360.7	319.8	362.0	325.0	37.01	9.780			
12,450.0	12,420.2	12,768.7	12,544.3	19.2	18.5	-99.74	-376.0	319.9	353.4	317.3	36.10	9.789			
12,475.0	12,443.8	12,783.9	12,546.4	19.3	18.5	-98.37	-391.0	320.1	346.1	310.9	35.25	9.819			
12,500.0	12,466.9	12,798.7	12,548.0	19.3	18.5	-96.87	-405.8	320.2	340.2	305.7	34.51	9.859			
12,525.0	12,489.4	12,813.3	12,549.1	19.4	18.6	-95.25	-420.4	320.4	335.7	301.8	33.93	9.894			
12,550.0	12,511.4	12,827.7	12,549.7	19.5	18.6	-93.50	-434.7	320.5	332.6	299.0	33.56	9.911			
12,575.0	12,532.7	12,842.0	12,550.0	19.6	18.6	-91.63	-449.0	320.6	330.8	297.4	33.42	9.899			
12,595.9	12,550.0	12,853.7	12,550.0	19.7	18.6	-90.00	-460.8	320.8	330.3	296.8	33.49	9.863			
12,600.0	12,553.3	12,856.1	12,550.0	19.7	18.6	-89.66	-463.1	320.8	330.3	296.8	33.53	9.854			
12,625.0	12,573.1	12,871.4	12,550.0	19.8	18.7	-87.47	-478.4	320.9	331.1	297.3	33.86	9.779			
12,650.0	12,592.1	12,887.6	12,550.0	19.9	18.7	-85.12	-494.6	321.1	333.0	298.6	34.39	9.684			
12,675.0	12,610.2	12,904.8	12,550.0	20.0	18.7	-82.64	-511.8	321.3	335.8	300.7	35.06	9.578			
12,700.0	12,627.4	12,923.0	12,550.0	20.1	18.8	-80.11	-530.0	321.4	339.3	303.5	35.83	9.470			
12,725.0	12,643.7	12,942.0	12,550.0	20.2	18.8	-77.56	-549.0	321.6	343.4	306.7	36.65	9.368			
12,750.0	12,658.9	12,961.8	12,550.0	20.3	18.9	-75.06	-568.8	321.8	347.8	310.3	37.49	9.277			
12,775.0	12,673.0	12,982.4	12,550.0	20.4	18.9	-72.64	-589.4	322.0	352.5	314.2	38.32	9.198			
12,800.0	12,686.1	13,003.7	12,550.0	20.4	19.0	-70.36	-610.7	322.2	357.3	318.2	39.12	9.132			
12,825.0	12,698.0	13,025.7	12,550.0	20.5	19.0	-68.23	-632.7	322.4	362.0	322.1	39.88	9.076			
12,850.0	12,708.8	13,048.3	12,550.0	20.6	19.1	-66.29	-655.3	322.7	366.5	325.9	40.59	9.030			

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
12,875.0	12,718.3	13,071.4	12,550.0	20.6	19.1	-64.55	-678.4	322.9	370.8	329.5	41.23	8.991			
12,900.0	12,726.7	13,094.9	12,550.0	20.7	19.2	-63.03	-701.9	323.1	374.6	332.8	41.82	8.959			
12,925.0	12,733.7	13,118.9	12,550.0	20.7	19.3	-61.74	-725.9	323.3	378.0	335.7	42.34	8.929			
12,950.0	12,739.6	13,143.2	12,550.0	20.8	19.4	-60.69	-750.2	323.6	380.9	338.1	42.80	8.900			
12,975.0	12,744.1	13,167.8	12,550.0	20.8	19.4	-59.86	-774.8	323.8	383.2	340.0	43.19	8.872			
13,000.0	12,747.4	13,192.6	12,550.0	20.8	19.5	-59.28	-799.6	324.1	384.8	341.3	43.52	8.842			
13,025.0	12,749.3	13,217.5	12,550.0	20.8	19.6	-58.92	-824.5	324.3	385.8	342.0	43.79	8.810			
13,049.8	12,750.0	13,242.3	12,550.0	20.8	19.7	-58.81	-849.3	324.5	386.2	342.2	44.00	8.775			
13,100.0	12,750.0	13,292.5	12,550.0	20.9	19.9	-58.81	-899.5	325.0	386.2	341.8	44.37	8.702			
13,200.0	12,750.0	13,392.5	12,550.0	20.9	20.3	-58.81	-999.5	326.0	386.2	341.0	45.17	8.548			
13,300.0	12,750.0	13,492.5	12,550.0	20.9	20.8	-58.81	-1,099.5	327.0	386.2	340.1	46.03	8.389			
13,400.0	12,750.0	13,592.5	12,550.0	20.9	21.2	-58.81	-1,199.5	328.0	386.2	339.2	46.94	8.226			
13,500.0	12,750.0	13,692.5	12,550.0	21.0	21.7	-58.81	-1,299.5	328.9	386.2	338.3	47.90	8.061			
13,600.0	12,750.0	13,792.5	12,550.0	21.0	22.3	-58.81	-1,399.5	329.9	386.2	337.2	48.92	7.894			
13,700.0	12,750.0	13,892.5	12,550.0	21.0	22.9	-58.81	-1,499.4	330.9	386.2	336.2	49.98	7.727			
13,800.0	12,750.0	13,992.5	12,550.0	21.1	23.5	-58.81	-1,599.4	331.9	386.2	335.1	51.08	7.560			
13,900.0	12,750.0	14,092.5	12,550.0	21.2	24.1	-58.81	-1,699.4	332.8	386.2	333.9	52.22	7.395			
14,000.0	12,750.0	14,192.5	12,550.0	21.9	24.7	-58.81	-1,799.4	333.8	386.2	332.8	53.40	7.232			
14,100.0	12,750.0	14,292.5	12,550.0	22.6	25.4	-58.81	-1,899.4	334.8	386.2	331.5	54.61	7.071			
14,200.0	12,750.0	14,392.5	12,550.0	23.4	26.1	-58.81	-1,999.4	335.8	386.2	330.3	55.86	6.913			
14,300.0	12,750.0	14,492.5	12,550.0	24.1	26.8	-58.81	-2,099.4	336.7	386.2	329.0	57.14	6.758			
14,400.0	12,750.0	14,592.5	12,550.0	24.9	27.5	-58.81	-2,199.4	337.7	386.2	327.7	58.44	6.607			
14,500.0	12,750.0	14,692.5	12,550.0	25.7	28.2	-58.81	-2,299.4	338.7	386.2	326.4	59.78	6.460			
14,600.0	12,750.0	14,792.5	12,550.0	26.6	29.0	-58.81	-2,399.4	339.7	386.2	325.0	61.13	6.316			
14,700.0	12,750.0	14,892.5	12,550.0	27.4	29.7	-58.81	-2,499.4	340.6	386.2	323.6	62.52	6.177			
14,800.0	12,750.0	14,992.5	12,550.0	28.2	30.5	-58.81	-2,599.4	341.6	386.2	322.2	63.92	6.041			
14,900.0	12,750.0	15,092.5	12,550.0	29.1	31.3	-58.81	-2,699.4	342.6	386.2	320.8	65.34	5.910			
15,000.0	12,750.0	15,192.5	12,550.0	29.9	32.1	-58.81	-2,799.4	343.5	386.2	319.4	66.79	5.782			
15,100.0	12,750.0	15,292.5	12,550.0	30.8	32.9	-58.81	-2,899.4	344.5	386.2	317.9	68.25	5.658			
15,200.0	12,750.0	15,392.5	12,550.0	31.6	33.7	-58.81	-2,999.4	345.5	386.2	316.4	69.73	5.538			
15,300.0	12,750.0	15,492.5	12,550.0	32.5	34.5	-58.81	-3,099.4	346.5	386.2	314.9	71.22	5.422			
15,400.0	12,750.0	15,592.5	12,550.0	33.4	35.3	-58.81	-3,199.4	347.4	386.2	313.4	72.73	5.310			
15,500.0	12,750.0	15,692.5	12,550.0	34.2	36.1	-58.81	-3,299.4	348.4	386.2	311.9	74.25	5.201			
15,600.0	12,750.0	15,792.5	12,550.0	35.1	37.0	-58.81	-3,399.4	349.4	386.2	310.4	75.78	5.096			
15,700.0	12,750.0	15,892.5	12,550.0	36.0	37.8	-58.81	-3,499.4	350.4	386.2	308.8	77.33	4.994			
15,800.0	12,750.0	15,992.5	12,550.0	36.9	38.7	-58.81	-3,599.3	351.3	386.2	307.3	78.89	4.895			
15,900.0	12,750.0	16,092.5	12,550.0	37.8	39.5	-58.81	-3,699.3	352.3	386.2	305.7	80.46	4.799			
16,000.0	12,750.0	16,192.5	12,550.0	38.7	40.4	-58.81	-3,799.3	353.3	386.2	304.1	82.04	4.707			
16,100.0	12,750.0	16,292.5	12,550.0	39.6	41.2	-58.81	-3,899.3	354.3	386.2	302.5	83.63	4.618			
16,200.0	12,750.0	16,392.5	12,550.0	40.5	42.1	-58.81	-3,999.3	355.2	386.2	300.9	85.22	4.531			
16,300.0	12,750.0	16,492.5	12,550.0	41.4	43.0	-58.81	-4,099.3	356.2	386.2	299.3	86.83	4.447			
16,400.0	12,750.0	16,592.5	12,550.0	42.3	43.8	-58.81	-4,199.3	357.2	386.2	297.7	88.45	4.366			
16,500.0	12,750.0	16,692.5	12,550.0	43.2	44.7	-58.81	-4,299.3	358.2	386.2	296.1	90.07	4.287			
16,600.0	12,750.0	16,792.5	12,550.0	44.1	45.6	-58.81	-4,399.3	359.1	386.2	294.5	91.70	4.211			
16,700.0	12,750.0	16,892.5	12,550.0	45.0	46.5	-58.81	-4,499.3	360.1	386.2	292.8	93.34	4.137			
16,800.0	12,750.0	16,992.5	12,550.0	46.0	47.4	-58.81	-4,599.3	361.1	386.2	291.2	94.98	4.066			
16,900.0	12,750.0	17,092.5	12,550.0	46.9	48.3	-58.81	-4,699.3	362.1	386.2	289.5	96.63	3.996			
17,000.0	12,750.0	17,192.5	12,550.0	47.8	49.2	-58.81	-4,799.3	363.0	386.2	287.9	98.28	3.929			
17,100.0	12,750.0	17,292.5	12,550.0	48.7	50.1	-58.81	-4,899.3	364.0	386.2	286.2	99.94	3.864			
17,200.0	12,750.0	17,392.5	12,550.0	49.6	51.0	-58.81	-4,999.3	365.0	386.2	284.5	101.61	3.800			

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
17,300.0	12,750.0	17,492.5	12,550.0	50.6	51.9	-58.81	-5,099.3	366.0	386.2	282.9	103.28	3.739			
17,400.0	12,750.0	17,592.5	12,550.0	51.5	52.8	-58.81	-5,199.3	366.9	386.2	281.2	104.96	3.679			
17,500.0	12,750.0	17,692.5	12,550.0	52.4	53.7	-58.81	-5,299.3	367.9	386.2	279.5	106.64	3.621			
17,600.0	12,750.0	17,792.5	12,550.0	53.3	54.6	-58.81	-5,399.3	368.9	386.2	277.8	108.32	3.565			
17,700.0	12,750.0	17,892.5	12,550.0	54.3	55.5	-58.81	-5,499.3	369.9	386.2	276.1	110.01	3.510			
17,800.0	12,750.0	17,992.5	12,550.0	55.2	56.4	-58.81	-5,599.3	370.8	386.2	274.4	111.70	3.457			
17,900.0	12,750.0	18,092.5	12,550.0	56.1	57.3	-58.81	-5,699.2	371.8	386.2	272.8	113.40	3.405			
18,000.0	12,750.0	18,192.5	12,550.0	57.1	58.2	-58.81	-5,799.2	372.8	386.2	271.0	115.10	3.355			
18,100.0	12,750.0	18,292.5	12,550.0	58.0	59.1	-58.81	-5,899.2	373.8	386.2	269.3	116.80	3.306			
18,200.0	12,750.0	18,392.5	12,550.0	58.9	60.1	-58.81	-5,999.2	374.7	386.1	267.6	118.51	3.258			
18,300.0	12,750.0	18,492.5	12,550.0	59.9	61.0	-58.81	-6,099.2	375.7	386.1	265.9	120.22	3.212			
18,400.0	12,750.0	18,592.5	12,550.0	60.8	61.9	-58.81	-6,199.2	376.7	386.1	264.2	121.93	3.167			
18,500.0	12,750.0	18,692.5	12,550.0	61.8	62.8	-58.81	-6,299.2	377.6	386.1	262.5	123.65	3.123			
18,600.0	12,750.0	18,792.5	12,550.0	62.7	63.8	-58.81	-6,399.2	378.6	386.1	260.8	125.37	3.080			
18,700.0	12,750.0	18,892.5	12,550.0	63.6	64.7	-58.81	-6,499.2	379.6	386.1	259.1	127.09	3.038			
18,800.0	12,750.0	18,992.5	12,550.0	64.6	65.6	-58.81	-6,599.2	380.6	386.1	257.3	128.82	2.998	Normal Operations		
18,900.0	12,750.0	19,092.5	12,550.0	65.5	66.5	-58.81	-6,699.2	381.5	386.1	255.6	130.54	2.958	Normal Operations		
19,000.0	12,750.0	19,192.5	12,550.0	66.5	67.5	-58.81	-6,799.2	382.5	386.1	253.9	132.27	2.919	Normal Operations		
19,100.0	12,750.0	19,292.5	12,550.0	67.4	68.4	-58.81	-6,899.2	383.5	386.1	252.1	134.00	2.882	Normal Operations		
19,200.0	12,750.0	19,392.5	12,550.0	68.3	69.3	-58.81	-6,999.2	384.5	386.1	250.4	135.74	2.845	Normal Operations		
19,300.0	12,750.0	19,492.5	12,550.0	69.3	70.2	-58.81	-7,099.2	385.4	386.1	248.7	137.47	2.809	Normal Operations		
19,400.0	12,750.0	19,592.5	12,550.0	70.2	71.2	-58.81	-7,199.2	386.4	386.1	246.9	139.21	2.774	Normal Operations		
19,500.0	12,750.0	19,692.5	12,550.0	71.2	72.1	-58.81	-7,299.2	387.4	386.1	245.2	140.95	2.740	Normal Operations		
19,600.0	12,750.0	19,792.5	12,550.0	72.1	73.0	-58.81	-7,399.2	388.4	386.1	243.5	142.69	2.706	Normal Operations		
19,700.0	12,750.0	19,892.5	12,550.0	73.1	74.0	-58.81	-7,499.2	389.3	386.1	241.7	144.43	2.674	Normal Operations		
19,800.0	12,750.0	19,992.5	12,550.0	74.0	74.9	-58.81	-7,599.2	390.3	386.1	240.0	146.18	2.642	Normal Operations		
19,900.0	12,750.0	20,092.5	12,550.0	75.0	75.8	-58.81	-7,699.2	391.3	386.1	238.2	147.93	2.610	Normal Operations		
20,000.0	12,750.0	20,192.5	12,550.0	75.9	76.8	-58.81	-7,799.1	392.3	386.1	236.5	149.67	2.580	Normal Operations		
20,100.0	12,750.0	20,292.5	12,550.0	76.9	77.7	-58.81	-7,899.1	393.2	386.1	234.7	151.42	2.550	Normal Operations		
20,200.0	12,750.0	20,392.5	12,550.0	77.8	78.7	-58.81	-7,999.1	394.2	386.1	233.0	153.18	2.521	Normal Operations		
20,300.0	12,750.0	20,492.5	12,550.0	78.8	79.6	-58.81	-8,099.1	395.2	386.1	231.2	154.93	2.492	Caution - Monitor Closely		
20,334.0	12,750.0	20,526.5	12,550.0	79.1	79.9	-58.81	-8,133.1	395.5	386.1	230.6	155.52	2.483	Caution - Monitor Closely, SF		
20,400.0	12,750.0	20,528.1	12,550.0	79.7	79.9	-58.81	-8,134.8	395.5	391.5	237.1	154.40	2.535	Normal Operations		
20,500.0	12,750.0	20,528.1	12,550.0	80.7	79.9	-58.81	-8,134.8	395.5	419.7	273.4	146.30	2.869	Normal Operations		
20,600.0	12,750.0	20,528.1	12,550.0	81.6	79.9	-58.81	-8,134.8	395.5	468.0	333.8	134.17	3.488			
20,700.0	12,750.0	20,528.1	12,550.0	82.6	79.9	-58.81	-8,134.8	395.5	530.9	409.3	121.65	4.364			
20,800.0	12,750.0	20,528.1	12,550.0	83.5	79.9	-58.81	-8,134.8	395.5	603.9	493.4	110.56	5.462			
20,900.0	12,750.0	20,528.1	12,550.0	84.5	79.9	-58.81	-8,134.8	395.5	683.8	582.5	101.36	6.746			
21,000.0	12,750.0	20,528.1	12,550.0	85.4	79.9	-58.81	-8,134.8	395.5	768.4	674.5	93.93	8.181			
21,100.0	12,750.0	20,528.1	12,550.0	86.4	79.9	-58.81	-8,134.8	395.5	856.4	768.4	87.98	9.733			
21,200.0	12,750.0	20,528.1	12,550.0	87.3	79.9	-58.81	-8,134.8	395.5	946.7	863.5	83.21	11.377			

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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 803H - OWB - PWP0														Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR														Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
0.0	0.0	0.0	0.0	0.0	0.0	-90.39	-0.6	-89.7	89.7						
100.0	100.0	100.0	100.0	0.8	0.8	-90.39	-0.6	-89.7	89.7	87.7	1.99	45.057			
200.0	200.0	200.0	200.0	1.4	1.4	-90.39	-0.6	-89.7	89.7	86.4	3.31	27.093			
300.0	300.0	300.0	300.0	1.9	1.9	-90.39	-0.6	-89.7	89.7	85.5	4.20	21.385			
400.0	400.0	400.0	400.0	2.2	2.2	-90.39	-0.6	-89.7	89.7	84.8	4.91	18.265			
500.0	500.0	500.0	500.0	2.6	2.6	-90.39	-0.6	-89.7	89.7	84.2	5.53	16.215			
600.0	600.0	600.0	600.0	2.8	2.8	-90.39	-0.6	-89.7	89.7	83.6	6.09	14.732			
700.0	700.0	700.0	700.0	3.1	3.1	-90.39	-0.6	-89.7	89.7	83.1	6.60	13.591			
800.0	800.0	800.0	800.0	3.3	3.3	-90.39	-0.6	-89.7	89.7	82.6	7.08	12.678			
900.0	900.0	900.0	900.0	3.6	3.6	-90.39	-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	-90.39	-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	-90.39	-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	-90.39	-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	-90.39	-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	-90.39	-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	-90.39	-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	-90.39	-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	-90.39	-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	-90.39	-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	-90.39	-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	-90.39	-0.6	-89.7	89.7	78.3	11.44	7.843 CC, ES			
2,100.0	2,100.0	2,096.9	2,096.9	5.8	5.8	89.11	-0.5	-91.4	91.4	79.6	11.78	7.755 SF			
2,200.0	2,199.8	2,193.5	2,193.3	6.0	6.0	92.14	-0.2	-96.2	96.5	84.4	12.08	7.991			
2,300.0	2,299.5	2,289.3	2,288.9	6.2	6.2	96.47	0.2	-104.3	105.6	93.2	12.36	8.544			
2,400.0	2,398.7	2,384.2	2,383.0	6.4	6.4	101.31	0.8	-115.4	119.2	106.6	12.64	9.432			
2,462.3	2,460.3	2,442.6	2,440.9	6.5	6.5	104.28	1.3	-123.8	130.1	117.3	12.78	10.182			
2,500.0	2,497.5	2,477.7	2,475.5	6.6	6.6	106.05	1.6	-129.4	137.6	124.7	12.85	10.703			
2,600.0	2,596.2	2,570.2	2,566.4	6.8	6.8	109.69	2.6	-146.2	160.0	146.9	13.13	12.185			
2,700.0	2,694.9	2,661.4	2,655.5	7.0	7.0	112.07	3.7	-165.6	185.8	172.4	13.41	13.858			
2,800.0	2,793.6	2,751.8	2,743.2	7.3	7.1	113.57	4.9	-187.6	214.7	201.0	13.63	15.751			
2,900.0	2,892.3	2,847.1	2,835.3	7.6	7.2	114.66	6.3	-212.0	244.7	230.8	13.90	17.611			
3,000.0	2,991.0	2,942.3	2,927.4	7.9	7.3	115.51	7.6	-236.4	274.8	260.6	14.20	19.353			
3,100.0	3,089.7	3,037.6	3,019.5	8.2	7.5	116.19	9.0	-260.8	305.0	290.5	14.52	21.008			
3,200.0	3,188.4	3,132.9	3,111.6	8.5	7.6	116.75	10.4	-285.2	335.2	320.3	14.84	22.579			
3,300.0	3,287.1	3,228.2	3,203.7	8.8	7.8	117.21	11.8	-309.5	365.4	350.2	15.18	24.069			
3,400.0	3,385.8	3,323.5	3,295.8	9.2	7.9	117.61	13.1	-333.9	395.6	380.1	15.53	25.481			
3,500.0	3,484.5	3,418.8	3,387.9	9.5	8.1	117.95	14.5	-358.3	425.9	410.0	15.88	26.817			
3,600.0	3,583.2	3,514.1	3,480.0	9.9	8.2	118.24	15.9	-382.7	456.1	439.9	16.24	28.082			
3,700.0	3,681.9	3,609.4	3,572.1	10.2	8.4	118.50	17.2	-407.1	486.4	469.8	16.61	29.280			
3,800.0	3,780.6	3,704.6	3,664.2	10.6	8.5	118.73	18.6	-431.5	516.7	499.7	16.99	30.413			
3,900.0	3,879.3	3,799.9	3,756.3	11.0	8.7	118.93	20.0	-455.8	547.0	529.6	17.37	31.486			
4,000.0	3,978.0	3,895.2	3,848.4	11.4	8.9	119.11	21.4	-480.2	577.3	559.5	17.76	32.501			
4,100.0	4,076.7	3,990.5	3,940.5	11.7	9.0	119.28	22.7	-504.6	607.6	589.4	18.16	33.457			
4,102.8	4,079.5	3,993.1	3,943.1	11.8	9.1	119.28	22.8	-505.3	608.4	590.2	18.17	33.483			
4,200.0	4,175.5	4,085.9	4,032.8	12.1	9.2	119.62	24.1	-529.0	637.5	618.9	18.55	34.365			
4,300.0	4,274.6	4,181.6	4,125.2	12.5	9.4	119.82	25.5	-553.5	666.6	647.6	18.93	35.203			
4,400.0	4,373.9	4,277.5	4,217.9	12.9	9.6	119.89	26.9	-578.0	694.8	675.5	19.31	35.984			
4,500.0	4,473.4	4,373.6	4,310.8	13.2	9.8	119.84	28.2	-602.6	722.3	702.6	19.67	36.715			
4,600.0	4,573.1	4,469.8	4,403.9	13.6	9.9	119.68	29.6	-627.3	748.9	728.9	20.02	37.404			
4,700.0	4,672.9	4,566.2	4,497.0	13.9	10.1	119.43	31.0	-651.9	774.7	754.4	20.36	38.058			
4,800.0	4,772.7	4,662.8	4,590.3	14.3	10.3	119.09	32.4	-676.6	799.8	779.1	20.67	38.684			

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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 803H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR											Rule Assigned:		Offset Well Error: 0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
4,900.0	4,872.7	4,759.3	4,683.7	14.5	10.5	118.67	33.8	-701.3	824.1	803.1	20.97	39.291	
5,000.0	4,972.7	4,856.0	4,777.1	14.8	10.7	118.17	35.2	-726.1	847.7	826.5	21.25	39.893	
5,027.3	5,000.0	4,882.4	4,802.6	14.8	10.7	-60.39	35.6	-732.8	854.1	832.8	21.30	40.098	
5,100.0	5,072.7	4,952.6	4,870.5	14.8	10.9	-60.93	36.6	-750.8	870.9	849.5	21.44	40.631	
5,200.0	5,172.7	5,049.3	4,964.0	14.9	11.1	-61.64	38.0	-775.5	894.2	872.5	21.65	41.304	
5,300.0	5,272.7	5,146.0	5,057.4	14.9	11.3	-62.31	39.4	-800.3	917.6	895.7	21.87	41.956	
5,400.0	5,372.7	5,242.6	5,150.8	15.0	11.5	-62.96	40.7	-825.0	941.1	919.0	22.10	42.587	
5,500.0	5,472.7	5,339.3	5,244.3	15.0	11.7	-63.57	42.1	-849.8	964.7	942.4	22.33	43.198	
5,600.0	5,572.7	5,435.9	5,337.7	15.1	11.9	-64.15	43.5	-874.5	988.5	965.9	22.57	43.790	

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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										Rule Assigned:				Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	-90.40	-0.4	-60.0	60.0						
100.0	100.0	100.0	100.0	0.8	0.8	-90.40	-0.4	-60.0	60.0	58.0	1.99	30.132			
200.0	200.0	200.0	200.0	1.4	1.4	-90.40	-0.4	-60.0	60.0	56.7	3.31	18.118			
300.0	300.0	300.0	300.0	1.9	1.9	-90.40	-0.4	-60.0	60.0	55.8	4.20	14.301			
400.0	400.0	400.0	400.0	2.2	2.2	-90.40	-0.4	-60.0	60.0	55.1	4.91	12.215			
500.0	500.0	500.0	500.0	2.6	2.6	-90.40	-0.4	-60.0	60.0	54.5	5.53	10.844			
600.0	600.0	600.0	600.0	2.8	2.8	-90.40	-0.4	-60.0	60.0	53.9	6.09	9.852			
700.0	700.0	700.0	700.0	3.1	3.1	-90.40	-0.4	-60.0	60.0	53.4	6.60	9.089			
800.0	800.0	800.0	800.0	3.3	3.3	-90.40	-0.4	-60.0	60.0	52.9	7.08	8.479			
900.0	900.0	900.0	900.0	3.6	3.6	-90.40	-0.4	-60.0	60.0	52.5	7.52	7.975			
1,000.0	1,000.0	1,000.0	1,000.0	3.8	3.8	-90.40	-0.4	-60.0	60.0	52.1	7.95	7.550			
1,100.0	1,100.0	1,100.0	1,100.0	4.0	4.0	-90.40	-0.4	-60.0	60.0	51.6	8.35	7.184			
1,200.0	1,200.0	1,200.0	1,200.0	4.2	4.2	-90.40	-0.4	-60.0	60.0	51.3	8.74	6.865			
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	-90.40	-0.4	-60.0	60.0	50.9	9.11	6.584			
1,400.0	1,400.0	1,400.0	1,400.0	4.6	4.6	-90.40	-0.4	-60.0	60.0	50.5	9.47	6.334			
1,500.0	1,500.0	1,500.0	1,500.0	4.7	4.7	-90.40	-0.4	-60.0	60.0	50.2	9.82	6.108			
1,600.0	1,600.0	1,600.0	1,600.0	4.9	4.9	-90.40	-0.4	-60.0	60.0	49.8	10.16	5.904			
1,700.0	1,700.0	1,700.0	1,700.0	5.1	5.1	-90.40	-0.4	-60.0	60.0	49.5	10.49	5.718			
1,800.0	1,800.0	1,800.0	1,800.0	5.2	5.2	-90.40	-0.4	-60.0	60.0	49.2	10.82	5.548			
1,900.0	1,900.0	1,900.0	1,900.0	5.4	5.4	-90.40	-0.4	-60.0	60.0	48.9	11.13	5.390			
2,000.0	2,000.0	2,000.0	2,000.0	5.6	5.6	-90.40	-0.4	-60.0	60.0	48.6	11.44	5.245 CC, ES			
2,100.0	2,100.0	2,097.9	2,097.9	5.8	5.8	89.61	-0.4	-61.7	61.7	49.9	11.78	5.234			
2,200.0	2,199.8	2,195.4	2,195.3	6.0	6.0	93.90	-0.3	-66.7	67.0	54.9	12.08	5.544			
2,300.0	2,299.5	2,292.3	2,291.8	6.2	6.2	99.61	-0.1	-74.9	76.5	64.1	12.36	6.185			
2,400.0	2,398.7	2,388.1	2,387.0	6.4	6.4	105.44	0.2	-86.2	90.7	78.1	12.65	7.174			
2,462.3	2,460.3	2,447.2	2,445.4	6.5	6.5	108.73	0.4	-94.8	102.1	89.4	12.79	7.986			
2,500.0	2,497.5	2,482.7	2,480.4	6.6	6.6	110.59	0.6	-100.6	109.9	97.1	12.87	8.542			
2,600.0	2,596.2	2,576.4	2,572.5	6.8	6.7	114.03	1.0	-117.8	133.0	119.9	13.09	10.160			
2,700.0	2,694.9	2,673.2	2,667.4	7.0	6.8	116.30	1.4	-136.9	157.6	144.2	13.35	11.804			
2,800.0	2,793.6	2,769.9	2,762.2	7.3	7.0	117.97	1.9	-156.0	182.3	168.7	13.64	13.364			
2,900.0	2,892.3	2,866.7	2,857.1	7.6	7.1	119.23	2.3	-175.1	207.2	193.3	13.95	14.852			
3,000.0	2,991.0	2,963.5	2,951.9	7.9	7.2	120.22	2.8	-194.3	232.2	217.9	14.27	16.268			
3,100.0	3,089.7	3,060.2	3,046.8	8.2	7.4	121.02	3.3	-213.4	257.2	242.6	14.60	17.612			
3,200.0	3,188.4	3,157.0	3,141.6	8.5	7.5	121.68	3.7	-232.5	282.2	267.3	14.95	18.885			
3,300.0	3,287.1	3,253.7	3,236.5	8.8	7.7	122.23	4.2	-251.6	307.3	292.0	15.30	20.090			
3,400.0	3,385.8	3,350.5	3,331.4	9.2	7.8	122.70	4.6	-270.7	332.4	316.8	15.66	21.230			
3,500.0	3,484.5	3,447.3	3,426.2	9.5	8.0	123.10	5.1	-289.9	357.5	341.5	16.03	22.308			
3,600.0	3,583.2	3,544.0	3,521.1	9.9	8.1	123.45	5.5	-309.0	382.7	366.3	16.40	23.327			
3,700.0	3,681.9	3,640.8	3,615.9	10.2	8.3	123.76	6.0	-328.1	407.8	391.0	16.79	24.290			
3,800.0	3,780.6	3,737.6	3,710.8	10.6	8.5	124.03	6.5	-347.2	433.0	415.8	17.18	25.201			
3,900.0	3,879.3	3,834.3	3,805.6	11.0	8.6	124.27	6.9	-366.3	458.1	440.5	17.58	26.062			
4,000.0	3,978.0	3,931.1	3,900.5	11.4	8.8	124.49	7.4	-385.5	483.3	465.3	17.98	26.876			
4,100.0	4,076.7	4,027.9	3,995.3	11.7	9.0	124.68	7.8	-404.6	508.5	490.1	18.40	27.641			
4,102.8	4,079.5	4,030.5	3,998.0	11.8	9.0	124.69	7.8	-405.1	509.2	490.8	18.41	27.662			
4,200.0	4,175.5	4,124.8	4,090.3	12.1	9.1	124.99	8.3	-423.7	533.2	514.4	18.80	28.362			
4,300.0	4,274.6	4,221.9	4,185.6	12.5	9.3	125.13	8.8	-442.9	556.9	537.7	19.20	29.014			
4,400.0	4,373.9	4,319.2	4,281.0	12.9	9.5	125.12	9.2	-462.2	579.7	560.1	19.58	29.610			
4,500.0	4,473.4	4,416.8	4,376.6	13.2	9.6	124.98	9.7	-481.4	601.5	581.6	19.95	30.157			
4,600.0	4,573.1	4,514.5	4,472.4	13.6	9.8	124.72	10.1	-500.7	622.4	602.1	20.30	30.662			
4,700.0	4,672.9	4,612.3	4,568.2	13.9	10.0	124.35	10.6	-520.1	642.3	621.7	20.63	31.133			
4,800.0	4,772.7	4,710.2	4,664.2	14.3	10.2	123.87	11.1	-539.4	661.4	640.4	20.94	31.578			

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
4,900.0	4,872.7	4,808.2	4,760.3	14.5	10.4	123.31	11.5	-558.8	679.5	658.3	21.23	32.004			
5,000.0	4,972.7	4,906.2	4,856.4	14.8	10.5	122.65	12.0	-578.2	696.9	675.4	21.49	32.430			
5,027.3	5,000.0	4,933.0	4,882.6	14.8	10.6	-55.95	12.1	-583.5	701.5	679.9	21.53	32.582			
5,100.0	5,072.7	5,004.2	4,952.5	14.8	10.7	-56.57	12.5	-597.5	713.7	692.0	21.64	32.985			
5,200.0	5,172.7	5,102.3	5,048.5	14.9	10.9	-57.39	12.9	-616.9	730.6	708.8	21.81	33.494			
5,300.0	5,272.7	5,200.3	5,144.6	14.9	11.1	-58.17	13.4	-636.3	747.7	725.7	22.00	33.989			
5,400.0	5,372.7	5,298.3	5,240.7	15.0	11.3	-58.92	13.8	-655.6	764.8	742.7	22.19	34.470			
5,500.0	5,472.7	5,396.3	5,336.8	15.0	11.5	-59.63	14.3	-675.0	782.2	759.8	22.39	34.938			
5,600.0	5,572.7	5,494.4	5,432.9	15.1	11.7	-60.32	14.8	-694.4	799.6	777.0	22.59	35.392			
5,700.0	5,672.7	5,592.4	5,529.0	15.1	11.8	-60.97	15.2	-713.8	817.1	794.3	22.80	35.833			
5,800.0	5,772.7	5,690.4	5,625.1	15.1	12.0	-61.60	15.7	-733.1	834.7	811.7	23.02	36.262			
5,900.0	5,872.7	5,788.4	5,721.2	15.2	12.2	-62.20	16.2	-752.5	852.5	829.2	23.24	36.678			
6,000.0	5,972.7	5,886.5	5,817.3	15.2	12.4	-62.78	16.6	-771.9	870.3	846.8	23.47	37.082			
6,100.0	6,072.7	5,992.2	5,920.9	15.3	12.6	-63.37	17.1	-792.5	888.0	864.3	23.69	37.476			
6,200.0	6,172.7	6,106.9	6,033.8	15.3	12.8	-63.93	17.6	-813.0	904.2	880.2	23.98	37.711			
6,300.0	6,272.7	6,222.4	6,147.8	15.4	13.0	-64.41	18.1	-831.3	918.7	894.4	24.26	37.871			
6,400.0	6,372.7	6,338.6	6,262.9	15.4	13.3	-64.82	18.4	-847.4	931.4	906.8	24.54	37.960			
6,500.0	6,472.7	6,455.4	6,378.9	15.5	13.5	-65.16	18.8	-861.2	942.2	917.4	24.81	37.981			
6,600.0	6,572.7	6,572.7	6,495.7	15.5	13.7	-65.44	19.0	-872.8	951.3	926.2	25.07	37.939			
6,700.0	6,672.7	6,690.5	6,613.1	15.6	13.9	-65.65	19.3	-881.9	958.4	933.1	25.33	37.836			
6,800.0	6,772.7	6,808.6	6,731.0	15.6	14.1	-65.81	19.4	-888.7	963.7	938.1	25.58	37.676			
6,900.0	6,872.7	6,926.9	6,849.2	15.7	14.2	-65.91	19.5	-893.0	967.1	941.3	25.81	37.469			
7,000.0	6,972.7	7,045.3	6,967.6	15.7	14.4	-65.95	19.6	-894.9	968.6	942.6	26.00	37.246			
7,100.0	7,072.7	7,150.4	7,072.7	15.8	14.4	-65.96	19.6	-895.0	968.6	942.5	26.13	37.069			
7,200.0	7,172.7	7,250.4	7,172.7	15.8	14.5	-65.96	19.6	-895.0	968.6	942.4	26.26	36.886			
7,300.0	7,272.7	7,350.4	7,272.7	15.9	14.6	-65.96	19.6	-895.0	968.6	942.2	26.39	36.710			
7,400.0	7,372.7	7,450.4	7,372.7	15.9	14.6	-65.96	19.6	-895.0	968.6	942.1	26.51	36.534			
7,500.0	7,472.7	7,550.4	7,472.7	16.0	14.7	-65.96	19.6	-895.0	968.6	942.0	26.64	36.360			
7,600.0	7,572.7	7,650.4	7,572.7	16.0	14.7	-65.96	19.6	-895.0	968.6	941.9	26.77	36.186			
7,700.0	7,672.7	7,750.4	7,672.7	16.1	14.8	-65.96	19.6	-895.0	968.6	941.7	26.90	36.014			
7,800.0	7,772.7	7,850.4	7,772.7	16.2	14.9	-65.96	19.6	-895.0	968.6	941.6	27.02	35.843			
7,900.0	7,872.7	7,950.4	7,872.7	16.2	14.9	-65.96	19.6	-895.0	968.6	941.5	27.15	35.673			
8,000.0	7,972.7	8,050.4	7,972.7	16.3	15.0	-65.96	19.6	-895.0	968.6	941.3	27.28	35.505			
8,100.0	8,072.7	8,150.4	8,072.7	16.3	15.1	-65.96	19.6	-895.0	968.6	941.2	27.41	35.337			
8,200.0	8,172.7	8,250.4	8,172.7	16.4	15.1	-65.96	19.6	-895.0	968.6	941.1	27.54	35.171			
8,300.0	8,272.7	8,350.4	8,272.7	16.4	15.2	-65.96	19.6	-895.0	968.6	941.0	27.67	35.006			
8,400.0	8,372.7	8,450.4	8,372.7	16.5	15.2	-65.96	19.6	-895.0	968.6	940.8	27.80	34.842			
8,500.0	8,472.7	8,550.4	8,472.7	16.5	15.3	-65.96	19.6	-895.0	968.6	940.7	27.93	34.679			
8,600.0	8,572.7	8,650.4	8,572.7	16.6	15.4	-65.96	19.6	-895.0	968.6	940.6	28.06	34.517			
8,700.0	8,672.7	8,750.4	8,672.7	16.6	15.4	-65.96	19.6	-895.0	968.6	940.4	28.19	34.356			
8,800.0	8,772.7	8,850.4	8,772.7	16.7	15.5	-65.96	19.6	-895.0	968.6	940.3	28.33	34.196			
8,900.0	8,872.7	8,950.4	8,872.7	16.8	15.6	-65.96	19.6	-895.0	968.6	940.2	28.46	34.038			
9,000.0	8,972.7	9,050.4	8,972.7	16.8	15.6	-65.96	19.6	-895.0	968.6	940.0	28.59	33.881			
9,100.0	9,072.7	9,150.4	9,072.7	16.9	15.7	-65.96	19.6	-895.0	968.6	939.9	28.72	33.724			
9,200.0	9,172.7	9,250.4	9,172.7	16.9	15.8	-65.96	19.6	-895.0	968.6	939.8	28.85	33.569			
9,300.0	9,272.7	9,350.4	9,272.7	17.0	15.8	-65.96	19.6	-895.0	968.6	939.6	28.99	33.415			
9,400.0	9,372.7	9,450.4	9,372.7	17.0	15.9	-65.96	19.6	-895.0	968.6	939.5	29.12	33.262			
9,500.0	9,472.7	9,550.4	9,472.7	17.1	16.0	-65.96	19.6	-895.0	968.6	939.4	29.25	33.110			
9,600.0	9,572.7	9,650.4	9,572.7	17.1	16.0	-65.96	19.6	-895.0	968.6	939.2	29.39	32.959			
9,700.0	9,672.7	9,750.4	9,672.7	17.2	16.1	-65.96	19.6	-895.0	968.6	939.1	29.52	32.809			

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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														Rule Assigned:		Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning				
		Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)							
9,800.0	9,772.7	9,850.4	9,772.7	17.3	16.1	-65.96	19.6	-895.0	968.6	939.0	29.66	32.660					
9,900.0	9,872.7	9,950.4	9,872.7	17.3	16.2	-65.96	19.6	-895.0	968.6	938.8	29.79	32.513					
10,000.0	9,972.7	10,050.4	9,972.7	17.4	16.3	-65.96	19.6	-895.0	968.6	938.7	29.93	32.366					
10,100.0	10,072.7	10,150.4	10,072.7	17.4	16.3	-65.96	19.6	-895.0	968.6	938.6	30.06	32.220					
10,200.0	10,172.7	10,250.4	10,172.7	17.5	16.4	-65.96	19.6	-895.0	968.6	938.4	30.20	32.076					
10,300.0	10,272.7	10,350.4	10,272.7	17.5	16.5	-65.96	19.6	-895.0	968.6	938.3	30.33	31.932					
10,400.0	10,372.7	10,450.4	10,372.7	17.6	16.5	-65.96	19.6	-895.0	968.6	938.2	30.47	31.790					
10,500.0	10,472.7	10,550.4	10,472.7	17.7	16.6	-65.96	19.6	-895.0	968.6	938.0	30.61	31.648					
10,600.0	10,572.7	10,650.4	10,572.7	17.7	16.7	-65.96	19.6	-895.0	968.6	937.9	30.74	31.508					
10,700.0	10,672.7	10,750.4	10,672.7	17.8	16.7	-65.96	19.6	-895.0	968.6	937.7	30.88	31.368					
10,800.0	10,772.7	10,850.4	10,772.7	17.8	16.8	-65.96	19.6	-895.0	968.6	937.6	31.02	31.229					
10,900.0	10,872.7	10,950.4	10,872.7	17.9	16.9	-65.96	19.6	-895.0	968.6	937.5	31.15	31.092					
11,000.0	10,972.7	11,050.4	10,972.7	18.0	16.9	-65.96	19.6	-895.0	968.6	937.3	31.29	30.955					
11,100.0	11,072.7	11,150.4	11,072.7	18.0	17.0	-65.96	19.6	-895.0	968.6	937.2	31.43	30.820					
11,200.0	11,172.7	11,250.4	11,172.7	18.1	17.1	-65.96	19.6	-895.0	968.6	937.1	31.57	30.685					
11,300.0	11,272.7	11,350.4	11,272.7	18.1	17.1	-65.96	19.6	-895.0	968.6	936.9	31.70	30.551					
11,400.0	11,372.7	11,450.4	11,372.7	18.2	17.2	-65.96	19.6	-895.0	968.6	936.8	31.84	30.419					
11,500.0	11,472.7	11,550.4	11,472.7	18.3	17.3	-65.96	19.6	-895.0	968.6	936.6	31.98	30.287					
11,600.0	11,572.7	11,650.4	11,572.7	18.3	17.3	-65.96	19.6	-895.0	968.6	936.5	32.12	30.156					
11,700.0	11,672.7	11,750.4	11,672.7	18.4	17.4	-65.96	19.6	-895.0	968.6	936.4	32.26	30.026					
11,800.0	11,772.7	11,850.4	11,772.7	18.4	17.5	-65.96	19.6	-895.0	968.6	936.2	32.40	29.897					
11,900.0	11,872.7	11,950.4	11,872.7	18.5	17.6	-65.96	19.6	-895.0	968.6	936.1	32.54	29.769					
12,000.0	11,972.7	12,050.4	11,972.7	18.6	17.6	-65.96	19.6	-895.0	968.6	935.9	32.68	29.642					
12,100.0	12,072.7	12,150.4	12,072.7	18.6	17.7	-65.96	19.6	-895.0	968.6	935.8	32.82	29.516					
12,200.0	12,172.7	12,250.4	12,172.7	18.7	17.8	-65.96	19.6	-895.0	968.6	935.7	32.96	29.390					
12,299.8	12,272.5	12,350.2	12,272.5	18.7	17.8	-65.96	19.6	-895.0	968.6	935.5	33.08	29.278					
12,300.0	12,272.7	12,351.2	12,273.5	18.7	17.8	-65.96	19.6	-895.0	968.6	935.5	33.08	29.277					
12,325.0	12,297.7	12,490.8	12,411.0	18.8	17.8	113.81	-1.1	-894.8	967.1	933.7	33.44	28.923					
12,350.0	12,322.6	12,641.9	12,546.4	18.8	17.7	111.18	-66.8	-894.2	963.2	928.8	34.43	27.975					
12,375.0	12,347.4	12,747.2	12,625.3	18.9	17.7	108.45	-136.2	-893.5	957.6	922.5	35.18	27.224					
12,400.0	12,371.9	12,828.2	12,674.6	19.0	17.7	106.00	-200.4	-892.8	951.2	915.6	35.60	26.721					
12,425.0	12,396.2	12,891.4	12,705.0	19.1	17.8	103.99	-255.7	-892.3	944.3	908.6	35.74	26.422					
12,450.0	12,420.2	12,942.2	12,724.1	19.2	17.8	102.37	-302.8	-891.8	937.4	901.7	35.70	26.261					
12,475.0	12,443.8	12,984.4	12,736.0	19.3	17.9	101.07	-343.2	-891.4	930.7	895.2	35.54	26.188					
12,500.0	12,466.9	13,020.4	12,743.3	19.3	18.0	99.99	-378.4	-891.1	924.2	888.9	35.31	26.174					
12,525.0	12,489.4	13,051.9	12,747.5	19.4	18.0	99.07	-409.6	-890.8	918.1	883.0	35.05	26.195					
12,550.0	12,511.4	13,080.0	12,749.5	19.5	18.1	98.26	-437.7	-890.5	912.4	877.6	34.77	26.238					
12,575.0	12,532.7	13,103.2	12,750.0	19.6	18.1	97.65	-460.8	-890.3	907.1	872.6	34.50	26.291					
12,600.0	12,553.3	13,117.3	12,750.0	19.7	18.2	97.48	-475.0	-890.2	902.4	868.1	34.25	26.344					
12,625.0	12,573.1	13,132.6	12,750.0	19.8	18.2	97.20	-490.2	-890.0	898.2	864.2	34.04	26.386					
12,650.0	12,592.1	13,148.8	12,750.0	19.9	18.3	96.84	-506.5	-889.8	894.7	860.8	33.87	26.416					
12,675.0	12,610.2	13,166.0	12,750.0	20.0	18.3	96.40	-523.7	-889.7	891.7	857.9	33.74	26.432					
12,700.0	12,627.4	13,184.2	12,750.0	20.1	18.3	95.90	-541.8	-889.5	889.1	855.5	33.64	26.433					
12,725.0	12,643.7	13,203.2	12,750.0	20.2	18.4	95.36	-560.8	-889.3	887.1	853.5	33.58	26.419					
12,750.0	12,658.9	13,223.0	12,750.0	20.3	18.4	94.78	-580.7	-889.1	885.4	851.8	33.56	26.384					
12,775.0	12,673.0	13,243.6	12,750.0	20.4	18.5	94.19	-601.3	-888.9	884.0	850.4	33.57	26.335					
12,800.0	12,686.1	13,264.9	12,750.0	20.4	18.6	93.59	-622.6	-888.7	883.0	849.4	33.61	26.273					
12,825.0	12,698.0	13,286.9	12,750.0	20.5	18.6	93.01	-644.5	-888.5	882.2	848.5	33.67	26.200					
12,850.0	12,708.8	13,309.5	12,750.0	20.6	18.7	92.45	-667.1	-888.3	881.6	847.9	33.76	26.113					
12,875.0	12,718.3	13,332.6	12,750.0	20.6	18.8	91.92	-690.2	-888.0	881.2	847.4	33.87	26.014					
12,900.0	12,726.7	13,356.1	12,750.0	20.7	18.8	91.44	-713.8	-887.8	881.0	847.0	34.00	25.908					

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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										Rule Assigned:				Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning		
		Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
12,925.0	12,733.7	13,380.1	12,750.0	20.7	18.9	91.02	-737.7	-887.6	880.8	846.7	34.15	25.796			
12,950.0	12,739.6	13,404.4	12,750.0	20.8	19.0	90.66	-762.1	-887.3	880.7	846.4	34.30	25.679			
12,975.0	12,744.1	13,429.0	12,750.0	20.8	19.1	90.38	-786.6	-887.1	880.7	846.2	34.46	25.553			
13,000.0	12,747.4	13,453.8	12,750.0	20.8	19.1	90.17	-811.4	-886.9	880.7	846.0	34.64	25.425			
13,025.0	12,749.3	13,478.7	12,750.0	20.8	19.2	90.04	-836.3	-886.6	880.7	845.8	34.81	25.297			
13,049.8	12,750.0	13,503.5	12,750.0	20.8	19.3	90.00	-861.1	-886.4	880.6	845.7	34.99	25.169			
13,100.0	12,750.0	13,553.7	12,750.0	20.9	19.5	90.00	-911.3	-885.9	880.6	845.3	35.37	24.897			
13,200.0	12,750.0	13,653.7	12,750.0	20.9	19.9	90.00	-1,011.3	-884.9	880.6	844.4	36.20	24.330			
13,300.0	12,750.0	13,753.7	12,750.0	20.9	20.3	90.00	-1,111.3	-883.9	880.6	843.5	37.09	23.744			
13,400.0	12,750.0	13,853.7	12,750.0	20.9	20.7	90.00	-1,211.3	-882.9	880.6	842.6	38.05	23.146			
13,500.0	12,750.0	13,953.7	12,750.0	21.0	21.1	90.00	-1,311.3	-882.0	880.6	841.6	39.07	22.542			
13,600.0	12,750.0	14,053.7	12,750.0	21.0	21.6	90.00	-1,411.3	-881.0	880.6	840.5	40.14	21.938			
13,700.0	12,750.0	14,153.7	12,750.0	21.0	22.1	90.00	-1,511.3	-880.0	880.6	839.3	41.27	21.340			
13,800.0	12,750.0	14,253.7	12,750.0	21.1	22.6	90.00	-1,611.3	-879.0	880.6	838.2	42.44	20.750			
13,900.0	12,750.0	14,353.7	12,750.0	21.2	23.1	90.00	-1,711.3	-878.0	880.6	836.9	43.66	20.171			
14,000.0	12,750.0	14,453.7	12,750.0	21.9	23.7	90.00	-1,811.3	-877.1	880.6	835.7	44.91	19.607			
14,100.0	12,750.0	14,553.7	12,750.0	22.6	24.3	90.00	-1,911.3	-876.1	880.6	834.4	46.20	19.059			
14,200.0	12,750.0	14,653.7	12,750.0	23.4	24.8	90.00	-2,011.3	-875.1	880.6	833.1	47.53	18.527			
14,300.0	12,750.0	14,753.7	12,750.0	24.1	25.4	90.00	-2,111.3	-874.1	880.6	831.7	48.89	18.013			
14,400.0	12,750.0	14,853.7	12,750.0	24.9	26.0	90.00	-2,211.3	-873.1	880.6	830.3	50.27	17.516			
14,500.0	12,750.0	14,953.7	12,750.0	25.7	26.7	90.00	-2,311.3	-872.2	880.6	828.9	51.68	17.038			
14,600.0	12,750.0	15,053.7	12,750.0	26.6	27.3	90.00	-2,411.2	-871.2	880.6	827.5	53.12	16.578			
14,700.0	12,750.0	15,153.7	12,750.0	27.4	27.9	90.00	-2,511.2	-870.2	880.6	826.0	54.57	16.135			
14,800.0	12,750.0	15,253.7	12,750.0	28.2	28.6	90.00	-2,611.2	-869.2	880.6	824.5	56.05	15.710			
14,900.0	12,750.0	15,353.7	12,750.0	29.1	29.3	90.00	-2,711.2	-868.2	880.6	823.0	57.54	15.302			
15,000.0	12,750.0	15,453.7	12,750.0	29.9	29.9	90.00	-2,811.2	-867.3	880.5	821.5	59.06	14.910			
15,100.0	12,750.0	15,553.7	12,750.0	30.8	30.6	90.00	-2,911.2	-866.3	880.5	820.0	60.59	14.534			
15,200.0	12,750.0	15,653.7	12,750.0	31.6	31.3	90.00	-3,011.2	-865.3	880.5	818.4	62.13	14.173			
15,300.0	12,750.0	15,753.7	12,750.0	32.5	32.0	90.00	-3,111.2	-864.3	880.5	816.8	63.69	13.826			
15,400.0	12,750.0	15,853.7	12,750.0	33.4	32.7	90.00	-3,211.2	-863.4	880.5	815.3	65.25	13.494			
15,500.0	12,750.0	15,953.7	12,750.0	34.2	33.5	90.00	-3,311.2	-862.4	880.5	813.7	66.84	13.174			
15,600.0	12,750.0	16,053.7	12,750.0	35.1	34.2	90.00	-3,411.2	-861.4	880.5	812.1	68.43	12.868			
15,700.0	12,750.0	16,153.7	12,750.0	36.0	34.9	90.00	-3,511.2	-860.4	880.5	810.5	70.03	12.573			
15,800.0	12,750.0	16,253.7	12,750.0	36.9	35.6	90.00	-3,611.2	-859.4	880.5	808.9	71.64	12.290			
15,900.0	12,750.0	16,353.7	12,750.0	37.8	36.4	90.00	-3,711.2	-858.5	880.5	807.2	73.26	12.018			
16,000.0	12,750.0	16,453.7	12,750.0	38.7	37.1	90.00	-3,811.2	-857.5	880.5	805.6	74.89	11.757			
16,100.0	12,750.0	16,553.7	12,750.0	39.6	37.9	90.00	-3,911.2	-856.5	880.5	804.0	76.53	11.505			
16,200.0	12,750.0	16,653.7	12,750.0	40.5	38.6	90.00	-4,011.2	-855.5	880.5	802.3	78.17	11.263			
16,300.0	12,750.0	16,753.7	12,750.0	41.4	39.4	90.00	-4,111.2	-854.5	880.5	800.7	79.82	11.030			
16,400.0	12,750.0	16,853.7	12,750.0	42.3	40.1	90.00	-4,211.2	-853.6	880.5	799.0	81.48	10.806			
16,500.0	12,750.0	16,953.7	12,750.0	43.2	40.9	90.00	-4,311.2	-852.6	880.5	797.3	83.14	10.590			
16,600.0	12,750.0	17,053.7	12,750.0	44.1	41.7	90.00	-4,411.2	-851.6	880.5	795.7	84.81	10.381			
16,700.0	12,750.0	17,153.7	12,750.0	45.0	42.5	90.00	-4,511.1	-850.6	880.5	794.0	86.49	10.180			
16,800.0	12,750.0	17,253.7	12,750.0	46.0	43.2	90.00	-4,611.1	-849.6	880.5	792.3	88.17	9.986			
16,900.0	12,750.0	17,353.7	12,750.0	46.9	44.0	90.00	-4,711.1	-848.7	880.5	790.6	89.85	9.799			
17,000.0	12,750.0	17,453.7	12,750.0	47.8	44.8	90.00	-4,811.1	-847.7	880.4	788.9	91.54	9.618			
17,100.0	12,750.0	17,553.7	12,750.0	48.7	45.6	90.00	-4,911.1	-846.7	880.4	787.2	93.23	9.444			
17,200.0	12,750.0	17,653.7	12,750.0	49.6	46.4	90.00	-5,011.1	-845.7	880.4	785.5	94.93	9.275			
17,300.0	12,750.0	17,753.7	12,750.0	50.6	47.2	90.00	-5,111.1	-844.7	880.4	783.8	96.63	9.111			
17,400.0	12,750.0	17,853.7	12,750.0	51.5	47.9	90.00	-5,211.1	-843.8	880.4	782.1	98.33	8.954			

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 805H - Slot BOATER FED COM 805H
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 805H	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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
17,500.0	12,750.0	17,953.7	12,750.0	52.4	48.7	90.00	-5,311.1	-842.8	880.4	780.4	100.04	8.801			
17,600.0	12,750.0	18,053.7	12,750.0	53.3	49.5	90.00	-5,411.1	-841.8	880.4	778.7	101.75	8.653			
17,700.0	12,750.0	18,153.7	12,750.0	54.3	50.3	90.00	-5,511.1	-840.8	880.4	776.9	103.46	8.509			
17,800.0	12,750.0	18,253.7	12,750.0	55.2	51.1	90.00	-5,611.1	-839.8	880.4	775.2	105.18	8.370			
17,900.0	12,750.0	18,353.7	12,750.0	56.1	51.9	90.00	-5,711.1	-838.9	880.4	773.5	106.90	8.236			
18,000.0	12,750.0	18,453.7	12,750.0	57.1	52.7	90.00	-5,811.1	-837.9	880.4	771.8	108.62	8.105			
18,100.0	12,750.0	18,553.7	12,750.0	58.0	53.5	90.00	-5,911.1	-836.9	880.4	770.0	110.35	7.978			
18,200.0	12,750.0	18,653.7	12,750.0	58.9	54.4	90.00	-6,011.1	-835.9	880.4	768.3	112.07	7.855			
18,300.0	12,750.0	18,753.7	12,750.0	59.9	55.2	90.00	-6,111.1	-834.9	880.4	766.6	113.80	7.736			
18,400.0	12,750.0	18,853.7	12,750.0	60.8	56.0	90.00	-6,211.1	-834.0	880.4	764.8	115.54	7.620			
18,500.0	12,750.0	18,953.7	12,750.0	61.8	56.8	90.00	-6,311.1	-833.0	880.4	763.1	117.27	7.507			
18,600.0	12,750.0	19,053.7	12,750.0	62.7	57.6	90.00	-6,411.1	-832.0	880.4	761.4	119.01	7.398			
18,700.0	12,750.0	19,153.7	12,750.0	63.6	58.4	90.00	-6,511.1	-831.0	880.4	759.6	120.74	7.291			
18,800.0	12,750.0	19,253.7	12,750.0	64.6	59.2	90.00	-6,611.0	-830.1	880.4	757.9	122.48	7.188			
18,900.0	12,750.0	19,353.7	12,750.0	65.5	60.0	90.00	-6,711.0	-829.1	880.3	756.1	124.22	7.087			
19,000.0	12,750.0	19,453.7	12,750.0	66.5	60.9	90.00	-6,811.0	-828.1	880.3	754.4	125.97	6.989			
19,100.0	12,750.0	19,553.7	12,750.0	67.4	61.7	90.00	-6,911.0	-827.1	880.3	752.6	127.71	6.893			
19,200.0	12,750.0	19,653.7	12,750.0	68.3	62.5	90.00	-7,011.0	-826.1	880.3	750.9	129.46	6.800			
19,300.0	12,750.0	19,753.7	12,750.0	69.3	63.3	90.00	-7,111.0	-825.2	880.3	749.1	131.20	6.710			
19,400.0	12,750.0	19,853.7	12,750.0	70.2	64.1	90.00	-7,211.0	-824.2	880.3	747.4	132.95	6.621			
19,500.0	12,750.0	19,953.7	12,750.0	71.2	65.0	90.00	-7,311.0	-823.2	880.3	745.6	134.70	6.535			
19,600.0	12,750.0	20,053.7	12,750.0	72.1	65.8	90.00	-7,411.0	-822.2	880.3	743.9	136.46	6.451			
19,700.0	12,750.0	20,153.7	12,750.0	73.1	66.6	90.00	-7,511.0	-821.2	880.3	742.1	138.21	6.369			
19,800.0	12,750.0	20,253.7	12,750.0	74.0	67.4	90.00	-7,611.0	-820.3	880.3	740.3	139.96	6.290			
19,900.0	12,750.0	20,353.7	12,750.0	75.0	68.3	90.00	-7,711.0	-819.3	880.3	738.6	141.72	6.212			
20,000.0	12,750.0	20,453.7	12,750.0	75.9	69.1	90.00	-7,811.0	-818.3	880.3	736.8	143.47	6.136			
20,100.0	12,750.0	20,553.7	12,750.0	76.9	69.9	90.00	-7,911.0	-817.3	880.3	735.1	145.23	6.061			
20,200.0	12,750.0	20,653.7	12,750.0	77.8	70.8	90.00	-8,011.0	-816.3	880.3	733.3	146.99	5.989			
20,300.0	12,750.0	20,753.7	12,750.0	78.8	71.6	90.00	-8,111.0	-815.4	880.3	731.5	148.75	5.918			
20,400.0	12,750.0	20,853.7	12,750.0	79.7	72.4	90.00	-8,211.0	-814.4	880.3	729.8	150.51	5.849			
20,500.0	12,750.0	20,953.7	12,750.0	80.7	73.2	90.00	-8,311.0	-813.4	880.3	728.0	152.27	5.781			
20,600.0	12,750.0	21,053.7	12,750.0	81.6	74.1	90.00	-8,411.0	-812.4	880.3	726.2	154.04	5.715			
20,700.0	12,750.0	21,153.7	12,750.0	82.6	74.9	90.00	-8,511.0	-811.4	880.3	724.5	155.80	5.650			
20,800.0	12,750.0	21,253.7	12,750.0	83.5	75.7	90.00	-8,611.0	-810.5	880.2	722.7	157.56	5.587			
20,900.0	12,750.0	21,353.7	12,750.0	84.5	76.6	90.00	-8,710.9	-809.5	880.2	720.9	159.33	5.525			
21,000.0	12,750.0	21,453.7	12,750.0	85.4	77.4	90.00	-8,810.9	-808.5	880.2	719.1	161.09	5.464			
21,100.0	12,750.0	21,553.7	12,750.0	86.4	78.2	90.00	-8,910.9	-807.5	880.2	717.4	162.86	5.405			
21,200.0	12,750.0	21,653.7	12,750.0	87.3	79.1	90.00	-9,010.9	-806.5	880.2	715.6	164.63	5.347			
21,300.0	12,750.0	21,753.7	12,750.0	88.3	79.9	90.00	-9,110.9	-805.6	880.2	713.8	166.40	5.290			
21,400.0	12,750.0	21,853.7	12,750.0	89.2	80.8	90.00	-9,210.9	-804.6	880.2	712.1	168.16	5.234			
21,500.0	12,750.0	21,953.7	12,750.0	90.2	81.6	90.00	-9,310.9	-803.6	880.2	710.3	169.93	5.180			
21,600.0	12,750.0	22,053.7	12,750.0	91.1	82.4	90.00	-9,410.9	-802.6	880.2	708.5	171.70	5.126			
21,700.0	12,750.0	22,153.7	12,750.0	92.1	83.3	90.00	-9,510.9	-801.6	880.2	706.7	173.47	5.074			
21,800.0	12,750.0	22,253.7	12,750.0	93.0	84.1	90.00	-9,610.9	-800.7	880.2	705.0	175.25	5.023			
21,900.0	12,750.0	22,353.7	12,750.0	94.0	84.9	90.00	-9,710.9	-799.7	880.2	703.2	177.02	4.972			
22,000.0	12,750.0	22,453.7	12,750.0	94.9	85.8	90.00	-9,810.9	-798.7	880.2	701.4	178.79	4.923			
22,100.0	12,750.0	22,553.7	12,750.0	95.9	86.6	90.00	-9,910.9	-797.7	880.2	699.6	180.56	4.875			
22,200.0	12,750.0	22,653.7	12,750.0	96.8	87.5	90.00	-10,010.9	-796.7	880.2	697.8	182.34	4.827			
22,300.0	12,750.0	22,753.7	12,750.0	97.8	88.3	90.00	-10,110.9	-795.8	880.2	696.1	184.11	4.781			
22,400.0	12,750.0	22,853.7	12,750.0	98.7	89.1	90.00	-10,210.9	-794.8	880.2	694.3	185.89	4.735			
22,500.0	12,750.0	22,953.7	12,750.0	99.7	90.0	90.00	-10,310.9	-793.8	880.2	692.5	187.66	4.690			

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
22,600.0	12,750.0	23,053.7	12,750.0	100.7	90.8	90.00	-10,410.9	-792.8	880.2	690.7	189.44	4.646			
22,700.0	12,750.0	23,153.7	12,750.0	101.6	91.7	90.00	-10,510.9	-791.9	880.2	688.9	191.21	4.603			
22,800.0	12,750.0	23,253.7	12,750.0	102.6	92.5	90.00	-10,610.9	-790.9	880.1	687.2	192.99	4.561			
22,900.0	12,750.0	23,353.7	12,750.0	103.5	93.3	90.00	-10,710.8	-789.9	880.1	685.4	194.77	4.519			
23,000.0	12,750.0	23,453.7	12,750.0	104.5	94.2	90.00	-10,810.8	-788.9	880.1	683.6	196.54	4.478			
23,100.0	12,750.0	23,553.7	12,750.0	105.4	95.0	90.00	-10,910.8	-787.9	880.1	681.8	198.32	4.438			
23,200.0	12,750.0	23,653.7	12,750.0	106.4	95.9	90.00	-11,010.8	-787.0	880.1	680.0	200.10	4.398			
23,300.0	12,750.0	23,753.7	12,750.0	107.3	96.7	90.00	-11,110.8	-786.0	880.1	678.2	201.88	4.360			
23,400.0	12,750.0	23,853.7	12,750.0	108.3	97.6	90.00	-11,210.8	-785.0	880.1	676.5	203.66	4.322			
23,500.0	12,750.0	23,953.7	12,750.0	109.2	98.4	90.00	-11,310.8	-784.0	880.1	674.7	205.44	4.284			
23,600.0	12,750.0	24,053.7	12,750.0	110.2	99.2	90.00	-11,410.8	-783.0	880.1	672.9	207.22	4.247			
23,700.0	12,750.0	24,153.7	12,750.0	111.2	100.1	90.00	-11,510.8	-782.1	880.1	671.1	209.00	4.211			
23,800.0	12,750.0	24,253.7	12,750.0	112.1	100.9	90.00	-11,610.8	-781.1	880.1	669.3	210.78	4.175			
23,900.0	12,750.0	24,353.7	12,750.0	113.1	101.8	90.00	-11,710.8	-780.1	880.1	667.5	212.56	4.140			
24,000.0	12,750.0	24,453.7	12,750.0	114.0	102.6	90.00	-11,810.8	-779.1	880.1	665.7	214.34	4.106			
24,100.0	12,750.0	24,553.7	12,750.0	115.0	103.5	90.00	-11,910.8	-778.1	880.1	664.0	216.12	4.072			
24,200.0	12,750.0	24,653.7	12,750.0	115.9	104.3	90.00	-12,010.8	-777.2	880.1	662.2	217.91	4.039			
24,300.0	12,750.0	24,753.7	12,750.0	116.9	105.2	90.00	-12,110.8	-776.2	880.1	660.4	219.69	4.006			
24,400.0	12,750.0	24,853.7	12,750.0	117.9	106.0	90.00	-12,210.8	-775.2	880.1	658.6	221.47	3.974			
24,500.0	12,750.0	24,953.7	12,750.0	118.8	106.8	90.00	-12,310.8	-774.2	880.1	656.8	223.25	3.942			
24,600.0	12,750.0	25,053.7	12,750.0	119.8	107.7	90.00	-12,410.8	-773.2	880.1	655.0	225.04	3.911			
24,700.0	12,750.0	25,153.7	12,750.0	120.7	108.5	90.00	-12,510.8	-772.3	880.0	653.2	226.82	3.880			
24,800.0	12,750.0	25,253.7	12,750.0	121.7	109.4	90.00	-12,610.8	-771.3	880.0	651.4	228.60	3.850			
24,900.0	12,750.0	25,353.7	12,750.0	122.6	110.2	90.00	-12,710.8	-770.3	880.0	649.6	230.39	3.820			
25,000.0	12,750.0	25,453.7	12,750.0	123.6	111.1	90.00	-12,810.7	-769.3	880.0	647.9	232.17	3.790			
25,100.0	12,750.0	25,553.7	12,750.0	124.6	111.9	90.00	-12,910.7	-768.3	880.0	646.1	233.96	3.762			
25,200.0	12,750.0	25,653.7	12,750.0	125.5	112.8	90.00	-13,010.7	-767.4	880.0	644.3	235.74	3.733			
25,300.0	12,750.0	25,753.7	12,750.0	126.5	113.6	90.00	-13,110.7	-766.4	880.0	642.5	237.53	3.705			
25,400.0	12,750.0	25,853.7	12,750.0	127.4	114.5	90.00	-13,210.7	-765.4	880.0	640.7	239.31	3.677			
25,500.0	12,750.0	25,953.7	12,750.0	128.4	115.3	90.00	-13,310.7	-764.4	880.0	638.9	241.10	3.650			
25,600.0	12,750.0	26,053.7	12,750.0	129.4	116.2	90.00	-13,410.7	-763.4	880.0	637.1	242.88	3.623			
25,618.8	12,750.0	26,072.5	12,750.0	129.5	116.3	90.00	-13,429.6	-763.3	880.0	636.8	243.22	3.618			
25,621.7	12,750.0	26,072.7	12,750.0	129.6	116.3	90.00	-13,429.7	-763.3	880.0	636.7	243.26	3.618 SF			

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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										Rule Assigned:				Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning		
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
0.0	0.0	0.0	0.0	0.0	0.0	89.60	0.4	60.0	60.0						
100.0	100.0	100.0	100.0	0.8	0.8	89.60	0.4	60.0	60.0	58.0	1.99	30.132			
200.0	200.0	200.0	200.0	1.4	1.4	89.60	0.4	60.0	60.0	56.7	3.31	18.118			
300.0	300.0	300.0	300.0	1.9	1.9	89.60	0.4	60.0	60.0	55.8	4.20	14.302			
400.0	400.0	400.0	400.0	2.2	2.2	89.60	0.4	60.0	60.0	55.1	4.91	12.215			
500.0	500.0	500.0	500.0	2.6	2.6	89.60	0.4	60.0	60.0	54.5	5.53	10.844			
600.0	600.0	600.0	600.0	2.8	2.8	89.60	0.4	60.0	60.0	53.9	6.09	9.852			
700.0	700.0	700.0	700.0	3.1	3.1	89.60	0.4	60.0	60.0	53.4	6.60	9.089			
800.0	800.0	800.0	800.0	3.3	3.3	89.60	0.4	60.0	60.0	52.9	7.08	8.479			
900.0	900.0	900.0	900.0	3.6	3.6	89.60	0.4	60.0	60.0	52.5	7.52	7.975			
1,000.0	1,000.0	1,000.0	1,000.0	3.8	3.8	89.60	0.4	60.0	60.0	52.1	7.95	7.550			
1,100.0	1,100.0	1,100.0	1,100.0	4.0	4.0	89.60	0.4	60.0	60.0	51.6	8.35	7.184			
1,200.0	1,200.0	1,200.0	1,200.0	4.2	4.2	89.60	0.4	60.0	60.0	51.3	8.74	6.865			
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	89.60	0.4	60.0	60.0	50.9	9.11	6.584			
1,400.0	1,400.0	1,400.0	1,400.0	4.6	4.6	89.60	0.4	60.0	60.0	50.5	9.47	6.334			
1,500.0	1,500.0	1,500.0	1,500.0	4.7	4.7	89.60	0.4	60.0	60.0	50.2	9.82	6.108			
1,600.0	1,600.0	1,600.0	1,600.0	4.9	4.9	89.60	0.4	60.0	60.0	49.8	10.16	5.904			
1,700.0	1,700.0	1,700.0	1,700.0	5.1	5.1	89.60	0.4	60.0	60.0	49.5	10.49	5.718			
1,800.0	1,800.0	1,800.0	1,800.0	5.2	5.2	89.60	0.4	60.0	60.0	49.2	10.82	5.548			
1,900.0	1,900.0	1,900.0	1,900.0	5.4	5.4	89.60	0.4	60.0	60.0	48.9	11.13	5.390			
2,000.0	2,000.0	2,000.0	2,000.0	5.6	5.6	89.60	0.4	60.0	60.0	48.6	11.44	5.245 CC, ES			
2,100.0	2,100.0	2,097.9	2,097.9	5.8	5.8	-93.59	0.5	61.7	61.8	50.0	11.78	5.244			
2,200.0	2,199.8	2,195.4	2,195.3	6.0	6.0	-97.82	0.7	66.7	67.4	55.4	12.08	5.582			
2,300.0	2,299.5	2,292.2	2,291.7	6.2	6.2	-103.40	1.0	74.9	77.5	65.2	12.37	6.266			
2,400.0	2,398.7	2,387.9	2,386.7	6.4	6.4	-109.02	1.4	86.2	92.5	79.9	12.66	7.308			
2,462.3	2,460.3	2,446.8	2,445.0	6.5	6.5	-112.17	1.7	94.7	104.5	91.7	12.78	8.176			
2,500.0	2,497.5	2,482.4	2,480.1	6.6	6.5	-113.94	1.9	100.5	112.6	99.8	12.84	8.773			
2,600.0	2,596.2	2,579.5	2,575.9	6.8	6.7	-117.64	2.5	116.6	135.0	121.9	13.11	10.295			
2,700.0	2,694.9	2,676.7	2,671.7	7.0	6.8	-120.28	3.1	132.7	157.7	144.3	13.41	11.763			
2,800.0	2,793.6	2,773.8	2,767.5	7.3	6.9	-122.26	3.7	148.9	180.7	167.0	13.72	13.174			
2,900.0	2,892.3	2,871.0	2,863.3	7.6	7.1	-123.79	4.3	165.0	203.9	189.8	14.04	14.520			
3,000.0	2,991.0	2,968.2	2,959.1	7.9	7.2	-125.01	4.9	181.1	227.1	212.8	14.38	15.799			
3,100.0	3,089.7	3,065.3	3,054.9	8.2	7.3	-126.00	5.5	197.3	250.5	235.8	14.72	17.011			
3,200.0	3,188.4	3,162.5	3,150.7	8.5	7.5	-126.82	6.1	213.4	273.9	258.8	15.08	18.157			
3,300.0	3,287.1	3,259.6	3,246.5	8.8	7.6	-127.51	6.7	229.5	297.3	281.9	15.45	19.240			
3,400.0	3,385.8	3,356.8	3,342.3	9.2	7.8	-128.10	7.3	245.7	320.8	305.0	15.83	20.262			
3,500.0	3,484.5	3,453.9	3,438.2	9.5	7.9	-128.62	7.9	261.8	344.3	328.1	16.22	21.225			
3,600.0	3,583.2	3,551.1	3,534.0	9.9	8.1	-129.06	8.5	277.9	367.8	351.2	16.62	22.133			
3,700.0	3,681.9	3,648.2	3,629.8	10.2	8.3	-129.45	9.1	294.1	391.4	374.4	17.02	22.990			
3,800.0	3,780.6	3,745.4	3,725.6	10.6	8.4	-129.80	9.7	310.2	414.9	397.5	17.44	23.797			
3,900.0	3,879.3	3,842.6	3,821.4	11.0	8.6	-130.11	10.3	326.3	438.5	420.7	17.86	24.558			
4,000.0	3,978.0	3,939.7	3,917.2	11.4	8.7	-130.39	10.9	342.4	462.1	443.8	18.28	25.276			
4,100.0	4,076.7	4,036.9	4,013.0	11.7	8.9	-130.64	11.5	358.6	485.7	467.0	18.72	25.949			
4,102.8	4,079.5	4,039.6	4,015.6	11.8	8.9	-130.65	11.6	359.0	486.3	467.6	18.73	25.967			
4,200.0	4,175.5	4,134.2	4,108.9	12.1	9.1	-130.97	12.1	374.7	508.8	489.6	19.14	26.576			
4,300.0	4,274.6	4,231.7	4,205.1	12.5	9.2	-131.14	12.8	390.9	530.7	511.2	19.56	27.131			
4,400.0	4,373.9	4,329.5	4,301.6	12.9	9.4	-131.16	13.4	407.2	551.6	531.6	19.97	27.626			
4,500.0	4,473.4	4,427.5	4,398.2	13.2	9.6	-131.04	14.0	423.4	571.3	550.9	20.36	28.066			
4,600.0	4,573.1	4,525.7	4,495.0	13.6	9.7	-130.81	14.6	439.7	589.9	569.2	20.73	28.462			
4,700.0	4,672.9	4,624.0	4,592.0	13.9	9.9	-130.46	15.2	456.1	607.5	586.4	21.08	28.819			
4,800.0	4,772.7	4,722.4	4,689.0	14.3	10.1	-130.01	15.8	472.4	623.9	602.5	21.41	29.147			

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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											Rule Assigned:		Offset Well Error:	0.0 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning		
4,900.0	4,872.7	4,821.0	4,786.2	14.5	10.3	-129.46	16.4	488.8	639.4	617.7	21.71	29.455			
5,000.0	4,972.7	4,919.6	4,883.4	14.8	10.4	-128.81	17.0	505.1	653.8	631.8	21.97	29.763			
5,027.3	5,000.0	4,946.5	4,910.0	14.8	10.5	52.97	17.2	509.6	657.6	635.6	22.01	29.882			
5,100.0	5,072.7	5,018.2	4,980.7	14.8	10.6	53.56	17.6	521.5	667.6	645.5	22.10	30.208			
5,200.0	5,172.7	5,116.8	5,077.9	14.9	10.8	54.35	18.2	537.9	681.4	659.1	22.25	30.618			
5,300.0	5,272.7	5,215.4	5,175.1	14.9	11.0	55.10	18.8	554.3	695.4	673.0	22.42	31.018			
5,400.0	5,372.7	5,314.0	5,272.4	15.0	11.2	55.82	19.4	570.6	709.5	686.9	22.59	31.408			
5,500.0	5,472.7	5,412.6	5,369.6	15.0	11.3	56.52	20.1	587.0	723.6	700.9	22.77	31.787			
5,600.0	5,572.7	5,511.2	5,466.8	15.1	11.5	57.19	20.7	603.4	737.9	715.0	22.95	32.157			
5,700.0	5,672.7	5,609.8	5,564.1	15.1	11.7	57.83	21.3	619.7	752.3	729.2	23.14	32.517			
5,800.0	5,772.7	5,708.4	5,661.3	15.1	11.9	58.45	21.9	636.1	766.8	743.5	23.33	32.868			
5,900.0	5,872.7	5,807.1	5,758.6	15.2	12.1	59.05	22.5	652.5	781.4	757.8	23.53	33.209			
6,000.0	5,972.7	5,905.7	5,855.8	15.2	12.3	59.62	23.1	668.9	796.0	772.3	23.73	33.541			
6,100.0	6,072.7	6,004.3	5,953.0	15.3	12.4	60.18	23.7	685.2	810.7	786.8	23.94	33.863			
6,200.0	6,172.7	6,102.9	6,050.3	15.3	12.6	60.71	24.3	701.6	825.5	801.4	24.15	34.177			
6,300.0	6,272.7	6,201.5	6,147.5	15.4	12.8	61.23	24.9	718.0	840.4	816.0	24.37	34.482			
6,400.0	6,372.7	6,300.1	6,244.8	15.4	13.0	61.72	25.6	734.4	855.3	830.7	24.59	34.779			
6,500.0	6,472.7	6,398.7	6,342.0	15.5	13.2	62.20	26.2	750.7	870.3	845.5	24.82	35.068			
6,600.0	6,572.7	6,497.3	6,439.2	15.5	13.4	62.67	26.8	767.1	885.3	860.3	25.05	35.349			
6,700.0	6,672.7	6,595.9	6,536.5	15.6	13.6	63.12	27.4	783.5	900.4	875.1	25.28	35.613			
6,800.0	6,772.7	6,709.4	6,648.5	15.6	13.8	63.59	28.0	801.4	914.9	889.3	25.55	35.802			
6,900.0	6,872.7	6,825.5	6,763.5	15.7	14.0	64.00	28.6	817.5	927.6	901.7	25.83	35.909			
7,000.0	6,972.7	6,942.2	6,879.4	15.7	14.2	64.35	29.2	831.3	938.4	912.3	26.10	35.950			
7,100.0	7,072.7	7,059.5	6,996.1	15.8	14.4	64.63	29.6	842.8	947.4	921.1	26.37	35.929			
7,200.0	7,172.7	7,177.1	7,113.4	15.8	14.6	64.84	29.9	851.9	954.6	928.0	26.63	35.850			
7,300.0	7,272.7	7,295.1	7,231.2	15.9	14.8	65.00	30.2	858.7	959.8	933.0	26.88	35.714			
7,400.0	7,372.7	7,413.3	7,349.3	15.9	15.0	65.10	30.3	863.0	963.2	936.1	27.11	35.528			
7,500.0	7,472.7	7,531.7	7,467.7	16.0	15.1	65.14	30.4	864.9	964.7	937.4	27.31	35.322			
7,600.0	7,572.7	7,636.7	7,572.7	16.0	15.2	65.15	30.4	865.0	964.8	937.3	27.43	35.177			
7,700.0	7,672.7	7,736.7	7,672.7	16.1	15.2	65.15	30.4	865.0	964.8	937.2	27.55	35.019			
7,800.0	7,772.7	7,836.7	7,772.7	16.2	15.3	65.15	30.4	865.0	964.8	937.1	27.67	34.862			
7,900.0	7,872.7	7,936.7	7,872.7	16.2	15.4	65.15	30.4	865.0	964.8	937.0	27.80	34.706			
8,000.0	7,972.7	8,036.7	7,972.7	16.3	15.4	65.15	30.4	865.0	964.8	936.8	27.92	34.551			
8,100.0	8,072.7	8,136.7	8,072.7	16.3	15.5	65.15	30.4	865.0	964.8	936.7	28.05	34.397			
8,200.0	8,172.7	8,236.7	8,172.7	16.4	15.5	65.15	30.4	865.0	964.8	936.6	28.17	34.244			
8,300.0	8,272.7	8,336.7	8,272.7	16.4	15.6	65.15	30.4	865.0	964.8	936.5	28.30	34.092			
8,400.0	8,372.7	8,436.7	8,372.7	16.5	15.6	65.15	30.4	865.0	964.8	936.3	28.43	33.941			
8,500.0	8,472.7	8,536.7	8,472.7	16.5	15.7	65.15	30.4	865.0	964.8	936.2	28.55	33.790			
8,600.0	8,572.7	8,636.7	8,572.7	16.6	15.8	65.15	30.4	865.0	964.8	936.1	28.68	33.641			
8,700.0	8,672.7	8,736.7	8,672.7	16.6	15.8	65.15	30.4	865.0	964.8	936.0	28.81	33.492			
8,800.0	8,772.7	8,836.7	8,772.7	16.7	15.9	65.15	30.4	865.0	964.8	935.8	28.93	33.344			
8,900.0	8,872.7	8,936.7	8,872.7	16.8	16.0	65.15	30.4	865.0	964.8	935.7	29.06	33.198			
9,000.0	8,972.7	9,036.7	8,972.7	16.8	16.0	65.15	30.4	865.0	964.8	935.6	29.19	33.052			
9,100.0	9,072.7	9,136.7	9,072.7	16.9	16.1	65.15	30.4	865.0	964.8	935.5	29.32	32.907			
9,200.0	9,172.7	9,236.7	9,172.7	16.9	16.1	65.15	30.4	865.0	964.8	935.3	29.45	32.763			
9,300.0	9,272.7	9,336.7	9,272.7	17.0	16.2	65.15	30.4	865.0	964.8	935.2	29.58	32.620			
9,400.0	9,372.7	9,436.7	9,372.7	17.0	16.3	65.15	30.4	865.0	964.8	935.1	29.71	32.478			
9,500.0	9,472.7	9,536.7	9,472.7	17.1	16.3	65.15	30.4	865.0	964.8	934.9	29.84	32.336			
9,600.0	9,572.7	9,636.7	9,572.7	17.1	16.4	65.15	30.4	865.0	964.8	934.8	29.97	32.196			
9,700.0	9,672.7	9,736.7	9,672.7	17.2	16.4	65.15	30.4	865.0	964.8	934.7	30.10	32.056			

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
9,800.0	9,772.7	9,836.7	9,772.7	17.3	16.5	65.15	30.4	865.0	964.8	934.5	30.23	31.918			
9,900.0	9,872.7	9,936.7	9,872.7	17.3	16.6	65.15	30.4	865.0	964.8	934.4	30.36	31.780			
10,000.0	9,972.7	10,036.7	9,972.7	17.4	16.6	65.15	30.4	865.0	964.8	934.3	30.49	31.643			
10,100.0	10,072.7	10,136.7	10,072.7	17.4	16.7	65.15	30.4	865.0	964.8	934.1	30.62	31.507			
10,200.0	10,172.7	10,236.7	10,172.7	17.5	16.8	65.15	30.4	865.0	964.8	934.0	30.75	31.372			
10,300.0	10,272.7	10,336.7	10,272.7	17.5	16.8	65.15	30.4	865.0	964.8	933.9	30.88	31.238			
10,400.0	10,372.7	10,436.7	10,372.7	17.6	16.9	65.15	30.4	865.0	964.8	933.8	31.02	31.104			
10,500.0	10,472.7	10,536.7	10,472.7	17.7	16.9	65.15	30.4	865.0	964.8	933.6	31.15	30.972			
10,600.0	10,572.7	10,636.7	10,572.7	17.7	17.0	65.15	30.4	865.0	964.8	933.5	31.28	30.840			
10,700.0	10,672.7	10,736.7	10,672.7	17.8	17.1	65.15	30.4	865.0	964.8	933.4	31.42	30.709			
10,800.0	10,772.7	10,836.7	10,772.7	17.8	17.1	65.15	30.4	865.0	964.8	933.2	31.55	30.579			
10,900.0	10,872.7	10,936.7	10,872.7	17.9	17.2	65.15	30.4	865.0	964.8	933.1	31.68	30.450			
11,000.0	10,972.7	11,036.7	10,972.7	18.0	17.3	65.15	30.4	865.0	964.8	933.0	31.82	30.322			
11,100.0	11,072.7	11,136.7	11,072.7	18.0	17.3	65.15	30.4	865.0	964.8	932.8	31.95	30.194			
11,200.0	11,172.7	11,236.7	11,172.7	18.1	17.4	65.15	30.4	865.0	964.8	932.7	32.09	30.068			
11,300.0	11,272.7	11,336.7	11,272.7	18.1	17.5	65.15	30.4	865.0	964.8	932.5	32.22	29.942			
11,400.0	11,372.7	11,436.7	11,372.7	18.2	17.5	65.15	30.4	865.0	964.8	932.4	32.36	29.817			
11,500.0	11,472.7	11,536.7	11,472.7	18.3	17.6	65.15	30.4	865.0	964.8	932.3	32.49	29.693			
11,600.0	11,572.7	11,636.7	11,572.7	18.3	17.7	65.15	30.4	865.0	964.8	932.1	32.63	29.570			
11,700.0	11,672.7	11,736.7	11,672.7	18.4	17.7	65.15	30.4	865.0	964.8	932.0	32.76	29.447			
11,800.0	11,772.7	11,836.7	11,772.7	18.4	17.8	65.15	30.4	865.0	964.8	931.9	32.90	29.325			
11,900.0	11,872.7	11,936.7	11,872.7	18.5	17.9	65.15	30.4	865.0	964.8	931.7	33.03	29.205			
12,000.0	11,972.7	12,036.7	11,972.7	18.6	17.9	65.15	30.4	865.0	964.8	931.6	33.17	29.084			
12,100.0	12,072.7	12,136.7	12,072.7	18.6	18.0	65.15	30.4	865.0	964.8	931.5	33.31	28.965			
12,200.0	12,172.7	12,236.7	12,172.7	18.7	18.1	65.15	30.4	865.0	964.8	931.3	33.44	28.847			
12,299.8	12,272.5	12,336.5	12,272.5	18.7	18.1	65.15	30.4	865.0	964.8	931.2	33.57	28.739			
12,300.0	12,272.7	12,337.5	12,273.4	18.7	18.1	65.15	30.4	865.0	964.8	931.2	33.57	28.738			
12,325.0	12,297.7	12,466.0	12,400.3	18.8	18.1	-113.64	12.8	865.2	963.4	929.6	33.86	28.454			
12,350.0	12,322.6	12,591.7	12,515.6	18.8	18.0	-111.78	-36.3	865.7	959.8	925.3	34.55	27.777			
12,375.0	12,347.4	12,693.0	12,596.6	18.9	18.0	-109.50	-96.6	866.2	954.7	919.5	35.21	27.114			
12,400.0	12,371.9	12,793.4	12,662.8	19.0	18.0	-106.54	-172.0	867.0	948.6	912.8	35.82	26.484			
12,425.0	12,396.2	12,843.5	12,689.3	19.1	18.1	-105.18	-214.4	867.4	942.1	906.2	35.87	26.265			
12,450.0	12,420.2	12,910.3	12,717.8	19.2	18.1	-102.91	-274.8	868.0	935.4	899.5	35.96	26.011			
12,475.0	12,443.8	12,954.1	12,731.7	19.3	18.2	-101.56	-316.2	868.4	928.9	893.1	35.82	25.931			
12,500.0	12,466.9	12,991.5	12,740.5	19.3	18.2	-100.43	-352.6	868.7	922.6	887.0	35.61	25.905			
12,525.0	12,489.4	13,024.3	12,745.9	19.4	18.3	-99.46	-385.0	869.1	916.6	881.2	35.36	25.919			
12,550.0	12,511.4	13,053.6	12,748.8	19.5	18.4	-98.60	-414.1	869.4	911.0	875.9	35.10	25.956			
12,575.0	12,532.7	13,080.2	12,749.9	19.6	18.4	-97.82	-440.7	869.6	905.8	871.0	34.83	26.002			
12,600.0	12,553.3	13,097.3	12,750.0	19.7	18.4	-97.50	-457.8	869.8	901.1	866.5	34.59	26.051			
12,625.0	12,573.1	13,112.5	12,750.0	19.8	18.5	-97.22	-473.0	869.9	897.0	862.6	34.38	26.087			
12,650.0	12,592.1	13,128.7	12,750.0	19.9	18.5	-96.85	-489.2	870.1	893.4	859.2	34.22	26.111			
12,675.0	12,610.2	13,146.0	12,750.0	20.0	18.6	-96.41	-506.4	870.3	890.4	856.3	34.09	26.121			
12,700.0	12,627.4	13,164.1	12,750.0	20.1	18.6	-95.92	-524.6	870.4	887.8	853.9	33.99	26.118			
12,725.0	12,643.7	13,183.1	12,750.0	20.2	18.7	-95.37	-543.6	870.6	885.8	851.8	33.93	26.102			
12,750.0	12,658.9	13,202.9	12,750.0	20.3	18.7	-94.79	-563.4	870.8	884.1	850.1	33.91	26.070			
12,775.0	12,673.0	13,223.6	12,750.0	20.4	18.8	-94.20	-584.0	871.0	882.7	848.8	33.92	26.020			
12,800.0	12,686.1	13,244.9	12,750.0	20.4	18.8	-93.60	-605.3	871.2	881.7	847.7	33.97	25.958			
12,825.0	12,698.0	13,266.8	12,750.0	20.5	18.9	-93.02	-627.3	871.4	880.9	846.9	34.03	25.884			
12,850.0	12,708.8	13,289.4	12,750.0	20.6	18.9	-92.45	-649.9	871.7	880.3	846.2	34.12	25.802			
12,875.0	12,718.3	13,312.5	12,750.0	20.6	19.0	-91.93	-673.0	871.9	879.9	845.7	34.23	25.707			
12,900.0	12,726.7	13,336.1	12,750.0	20.7	19.1	-91.45	-696.5	872.1	879.7	845.3	34.36	25.602			

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
12,925.0	12,733.7	13,360.0	12,750.0	20.7	19.2	-91.02	-720.5	872.4	879.5	845.0	34.50	25.493			
12,950.0	12,739.6	13,384.4	12,750.0	20.8	19.2	-90.66	-744.8	872.6	879.4	844.8	34.65	25.379			
12,975.0	12,744.1	13,408.9	12,750.0	20.8	19.3	-90.38	-769.4	872.8	879.4	844.6	34.81	25.260			
13,000.0	12,747.4	13,433.7	12,750.0	20.8	19.4	-90.17	-794.2	873.1	879.4	844.4	34.99	25.135			
13,022.6	12,749.2	13,456.3	12,750.0	20.8	19.5	-90.05	-816.7	873.3	879.4	844.2	35.15	25.020			
13,025.0	12,749.3	13,458.6	12,750.0	20.8	19.5	-90.04	-819.1	873.3	879.4	844.2	35.16	25.009			
13,049.8	12,750.0	13,483.5	12,750.0	20.8	19.6	-90.00	-843.9	873.6	879.4	844.0	35.34	24.883			
13,100.0	12,750.0	13,533.6	12,750.0	20.9	19.7	-90.00	-894.1	874.1	879.4	843.7	35.72	24.620			
13,200.0	12,750.0	13,633.6	12,750.0	20.9	20.1	-90.00	-994.1	875.0	879.4	842.8	36.54	24.068			
13,300.0	12,750.0	13,733.6	12,750.0	20.9	20.5	-90.00	-1,094.1	876.0	879.4	842.0	37.43	23.497			
13,400.0	12,750.0	13,833.6	12,750.0	20.9	20.9	-90.00	-1,194.1	877.0	879.4	841.0	38.38	22.913			
13,500.0	12,750.0	13,933.6	12,750.0	21.0	21.4	-90.00	-1,294.1	878.0	879.4	840.0	39.39	22.324			
13,600.0	12,750.0	14,033.6	12,750.0	21.0	21.9	-90.00	-1,394.1	878.9	879.4	838.9	40.46	21.734			
13,700.0	12,750.0	14,133.6	12,750.0	21.0	22.3	-90.00	-1,494.1	879.9	879.4	837.8	41.58	21.149			
13,800.0	12,750.0	14,233.6	12,750.0	21.1	22.9	-90.00	-1,594.0	880.9	879.4	836.7	42.75	20.571			
13,900.0	12,750.0	14,333.6	12,750.0	21.2	23.4	-90.00	-1,694.0	881.9	879.4	835.5	43.96	20.005			
14,000.0	12,750.0	14,433.6	12,750.0	21.9	23.9	-90.00	-1,794.0	882.9	879.4	834.2	45.21	19.452			
14,100.0	12,750.0	14,533.6	12,750.0	22.6	24.5	-90.00	-1,894.0	883.8	879.4	832.9	46.50	18.914			
14,200.0	12,750.0	14,633.6	12,750.0	23.4	25.1	-90.00	-1,994.0	884.8	879.4	831.6	47.82	18.391			
14,300.0	12,750.0	14,733.6	12,750.0	24.1	25.7	-90.00	-2,094.0	885.8	879.4	830.3	49.17	17.886			
14,400.0	12,750.0	14,833.6	12,750.0	24.9	26.3	-90.00	-2,194.0	886.8	879.4	828.9	50.55	17.398			
14,500.0	12,750.0	14,933.6	12,750.0	25.7	26.9	-90.00	-2,294.0	887.8	879.4	827.5	51.95	16.927			
14,600.0	12,750.0	15,033.6	12,750.0	26.6	27.5	-90.00	-2,394.0	888.7	879.4	826.1	53.38	16.474			
14,700.0	12,750.0	15,133.6	12,750.0	27.4	28.2	-90.00	-2,494.0	889.7	879.5	824.6	54.83	16.038			
14,800.0	12,750.0	15,233.6	12,750.0	28.2	28.8	-90.00	-2,594.0	890.7	879.5	823.1	56.31	15.619			
14,900.0	12,750.0	15,333.6	12,750.0	29.1	29.5	-90.00	-2,694.0	891.7	879.5	821.7	57.80	15.216			
15,000.0	12,750.0	15,433.6	12,750.0	29.9	30.2	-90.00	-2,794.0	892.7	879.5	820.2	59.31	14.829			
15,100.0	12,750.0	15,533.6	12,750.0	30.8	30.8	-90.00	-2,894.0	893.6	879.5	818.6	60.83	14.458			
15,200.0	12,750.0	15,633.6	12,750.0	31.6	31.5	-90.00	-2,994.0	894.6	879.5	817.1	62.37	14.101			
15,300.0	12,750.0	15,733.6	12,750.0	32.5	32.2	-90.00	-3,094.0	895.6	879.5	815.6	63.92	13.759			
15,400.0	12,750.0	15,833.6	12,750.0	33.4	32.9	-90.00	-3,194.0	896.6	879.5	814.0	65.49	13.430			
15,500.0	12,750.0	15,933.6	12,750.0	34.2	33.7	-90.00	-3,294.0	897.6	879.5	812.4	67.06	13.114			
15,600.0	12,750.0	16,033.6	12,750.0	35.1	34.4	-90.00	-3,394.0	898.5	879.5	810.8	68.65	12.811			
15,700.0	12,750.0	16,133.6	12,750.0	36.0	35.1	-90.00	-3,494.0	899.5	879.5	809.2	70.25	12.519			
15,800.0	12,750.0	16,233.6	12,750.0	36.9	35.8	-90.00	-3,594.0	900.5	879.5	807.6	71.86	12.239			
15,900.0	12,750.0	16,333.6	12,750.0	37.8	36.6	-90.00	-3,693.9	901.5	879.5	806.0	73.48	11.970			
16,000.0	12,750.0	16,433.6	12,750.0	38.7	37.3	-90.00	-3,793.9	902.5	879.5	804.4	75.10	11.711			
16,100.0	12,750.0	16,533.6	12,750.0	39.6	38.1	-90.00	-3,893.9	903.4	879.5	802.8	76.74	11.461			
16,200.0	12,750.0	16,633.6	12,750.0	40.5	38.8	-90.00	-3,993.9	904.4	879.5	801.1	78.38	11.221			
16,300.0	12,750.0	16,733.6	12,750.0	41.4	39.6	-90.00	-4,093.9	905.4	879.5	799.5	80.03	10.990			
16,400.0	12,750.0	16,833.6	12,750.0	42.3	40.3	-90.00	-4,193.9	906.4	879.5	797.9	81.68	10.768			
16,500.0	12,750.0	16,933.6	12,750.0	43.2	41.1	-90.00	-4,293.9	907.3	879.5	796.2	83.34	10.553			
16,600.0	12,750.0	17,033.6	12,750.0	44.1	41.9	-90.00	-4,393.9	908.3	879.5	794.5	85.01	10.346			
16,700.0	12,750.0	17,133.6	12,750.0	45.0	42.6	-90.00	-4,493.9	909.3	879.6	792.9	86.68	10.147			
16,800.0	12,750.0	17,233.6	12,750.0	46.0	43.4	-90.00	-4,593.9	910.3	879.6	791.2	88.36	9.954			
16,900.0	12,750.0	17,333.6	12,750.0	46.9	44.2	-90.00	-4,693.9	911.3	879.6	789.5	90.04	9.769			
17,000.0	12,750.0	17,433.6	12,750.0	47.8	45.0	-90.00	-4,793.9	912.2	879.6	787.8	91.73	9.589			
17,100.0	12,750.0	17,533.6	12,750.0	48.7	45.8	-90.00	-4,893.9	913.2	879.6	786.2	93.42	9.416			
17,200.0	12,750.0	17,633.6	12,750.0	49.6	46.5	-90.00	-4,993.9	914.2	879.6	784.5	95.11	9.248			
17,300.0	12,750.0	17,733.6	12,750.0	50.6	47.3	-90.00	-5,093.9	915.2	879.6	782.8	96.81	9.086			

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 805H - Slot BOATER FED COM 805H
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 805H	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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
17,400.0	12,750.0	17,833.6	12,750.0	51.5	48.1	-90.00	-5,193.9	916.2	879.6	781.1	98.51	8.929			
17,500.0	12,750.0	17,933.6	12,750.0	52.4	48.9	-90.00	-5,293.9	917.1	879.6	779.4	100.22	8.777			
17,600.0	12,750.0	18,033.6	12,750.0	53.3	49.7	-90.00	-5,393.9	918.1	879.6	777.7	101.93	8.630			
17,700.0	12,750.0	18,133.6	12,750.0	54.3	50.5	-90.00	-5,493.9	919.1	879.6	776.0	103.64	8.487			
17,800.0	12,750.0	18,233.6	12,750.0	55.2	51.3	-90.00	-5,593.9	920.1	879.6	774.3	105.35	8.349			
17,900.0	12,750.0	18,333.6	12,750.0	56.1	52.1	-90.00	-5,693.9	921.1	879.6	772.5	107.07	8.215			
18,000.0	12,750.0	18,433.6	12,750.0	57.1	52.9	-90.00	-5,793.8	922.0	879.6	770.8	108.79	8.085			
18,100.0	12,750.0	18,533.6	12,750.0	58.0	53.7	-90.00	-5,893.8	923.0	879.6	769.1	110.52	7.959			
18,200.0	12,750.0	18,633.6	12,750.0	58.9	54.5	-90.00	-5,993.8	924.0	879.6	767.4	112.24	7.837			
18,300.0	12,750.0	18,733.6	12,750.0	59.9	55.3	-90.00	-6,093.8	925.0	879.6	765.7	113.97	7.718			
18,400.0	12,750.0	18,833.6	12,750.0	60.8	56.1	-90.00	-6,193.8	926.0	879.6	763.9	115.70	7.603			
18,500.0	12,750.0	18,933.6	12,750.0	61.8	56.9	-90.00	-6,293.8	926.9	879.6	762.2	117.43	7.491			
18,600.0	12,750.0	19,033.6	12,750.0	62.7	57.8	-90.00	-6,393.8	927.9	879.6	760.5	119.17	7.382			
18,700.0	12,750.0	19,133.6	12,750.0	63.6	58.6	-90.00	-6,493.8	928.9	879.7	758.7	120.90	7.276			
18,800.0	12,750.0	19,233.6	12,750.0	64.6	59.4	-90.00	-6,593.8	929.9	879.7	757.0	122.64	7.173			
18,900.0	12,750.0	19,333.6	12,750.0	65.5	60.2	-90.00	-6,693.8	930.9	879.7	755.3	124.38	7.072			
19,000.0	12,750.0	19,433.6	12,750.0	66.5	61.0	-90.00	-6,793.8	931.8	879.7	753.5	126.12	6.975			
19,100.0	12,750.0	19,533.6	12,750.0	67.4	61.8	-90.00	-6,893.8	932.8	879.7	751.8	127.87	6.880			
19,200.0	12,750.0	19,633.6	12,750.0	68.3	62.7	-90.00	-6,993.8	933.8	879.7	750.1	129.61	6.787			
19,300.0	12,750.0	19,733.6	12,750.0	69.3	63.5	-90.00	-7,093.8	934.8	879.7	748.3	131.36	6.697			
19,400.0	12,750.0	19,833.6	12,750.0	70.2	64.3	-90.00	-7,193.8	935.8	879.7	746.6	133.11	6.609			
19,500.0	12,750.0	19,933.6	12,750.0	71.2	65.1	-90.00	-7,293.8	936.7	879.7	744.8	134.86	6.523			
19,600.0	12,750.0	20,033.6	12,750.0	72.1	65.9	-90.00	-7,393.8	937.7	879.7	743.1	136.61	6.440			
19,700.0	12,750.0	20,133.6	12,750.0	73.1	66.8	-90.00	-7,493.8	938.7	879.7	741.3	138.36	6.358			
19,800.0	12,750.0	20,233.6	12,750.0	74.0	67.6	-90.00	-7,593.8	939.7	879.7	739.6	140.11	6.279			
19,900.0	12,750.0	20,333.6	12,750.0	75.0	68.4	-90.00	-7,693.8	940.6	879.7	737.8	141.87	6.201			
20,000.0	12,750.0	20,433.6	12,750.0	75.9	69.2	-90.00	-7,793.8	941.6	879.7	736.1	143.62	6.125			
20,100.0	12,750.0	20,533.6	12,750.0	76.9	70.1	-90.00	-7,893.7	942.6	879.7	734.3	145.38	6.051			
20,200.0	12,750.0	20,633.6	12,750.0	77.8	70.9	-90.00	-7,993.7	943.6	879.7	732.6	147.14	5.979			
20,300.0	12,750.0	20,733.6	12,750.0	78.8	71.7	-90.00	-8,093.7	944.6	879.7	730.8	148.89	5.908			
20,400.0	12,750.0	20,833.6	12,750.0	79.7	72.6	-90.00	-8,193.7	945.5	879.7	729.1	150.65	5.839			
20,500.0	12,750.0	20,933.6	12,750.0	80.7	73.4	-90.00	-8,293.7	946.5	879.7	727.3	152.42	5.772			
20,600.0	12,750.0	21,033.6	12,750.0	81.6	74.2	-90.00	-8,393.7	947.5	879.7	725.6	154.18	5.706			
20,700.0	12,750.0	21,133.6	12,750.0	82.6	75.0	-90.00	-8,493.7	948.5	879.8	723.8	155.94	5.642			
20,800.0	12,750.0	21,233.6	12,750.0	83.5	75.9	-90.00	-8,593.7	949.5	879.8	722.1	157.70	5.579			
20,900.0	12,750.0	21,333.6	12,750.0	84.5	76.7	-90.00	-8,693.7	950.4	879.8	720.3	159.47	5.517			
21,000.0	12,750.0	21,433.6	12,750.0	85.4	77.5	-90.00	-8,793.7	951.4	879.8	718.5	161.23	5.457			
21,100.0	12,750.0	21,533.6	12,750.0	86.4	78.4	-90.00	-8,893.7	952.4	879.8	716.8	163.00	5.397			
21,200.0	12,750.0	21,633.6	12,750.0	87.3	79.2	-90.00	-8,993.7	953.4	879.8	715.0	164.76	5.340			
21,300.0	12,750.0	21,733.6	12,750.0	88.3	80.0	-90.00	-9,093.7	954.4	879.8	713.3	166.53	5.283			
21,400.0	12,750.0	21,833.6	12,750.0	89.2	80.9	-90.00	-9,193.7	955.3	879.8	711.5	168.30	5.227			
21,500.0	12,750.0	21,933.6	12,750.0	90.2	81.7	-90.00	-9,293.7	956.3	879.8	709.7	170.07	5.173			
21,600.0	12,750.0	22,033.6	12,750.0	91.1	82.6	-90.00	-9,393.7	957.3	879.8	708.0	171.84	5.120			
21,700.0	12,750.0	22,133.6	12,750.0	92.1	83.4	-90.00	-9,493.7	958.3	879.8	706.2	173.61	5.068			
21,800.0	12,750.0	22,233.6	12,750.0	93.0	84.2	-90.00	-9,593.7	959.3	879.8	704.4	175.38	5.017			
21,900.0	12,750.0	22,333.6	12,750.0	94.0	85.1	-90.00	-9,693.7	960.2	879.8	702.7	177.15	4.966			
22,000.0	12,750.0	22,433.6	12,750.0	94.9	85.9	-90.00	-9,793.7	961.2	879.8	700.9	178.92	4.917			
22,100.0	12,750.0	22,533.6	12,750.0	95.9	86.7	-90.00	-9,893.7	962.2	879.8	699.1	180.70	4.869			
22,200.0	12,750.0	22,633.6	12,750.0	96.8	87.6	-90.00	-9,993.6	963.2	879.8	697.4	182.47	4.822			
22,300.0	12,750.0	22,733.6	12,750.0	97.8	88.4	-90.00	-10,093.6	964.2	879.8	695.6	184.24	4.775			
22,400.0	12,750.0	22,833.6	12,750.0	98.7	89.3	-90.00	-10,193.6	965.1	879.8	693.8	186.02	4.730			

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
22,500.0	12,750.0	22,933.6	12,750.0	99.7	90.1	-90.00	-10,293.6	966.1	879.8	692.1	187.79	4.685			
22,600.0	12,750.0	23,033.6	12,750.0	100.7	90.9	-90.00	-10,393.6	967.1	879.8	690.3	189.57	4.641			
22,700.0	12,750.0	23,133.6	12,750.0	101.6	91.8	-90.00	-10,493.6	968.1	879.9	688.5	191.34	4.598			
22,800.0	12,750.0	23,233.6	12,750.0	102.6	92.6	-90.00	-10,593.6	969.0	879.9	686.7	193.12	4.556			
22,900.0	12,750.0	23,333.6	12,750.0	103.5	93.5	-90.00	-10,693.6	970.0	879.9	685.0	194.89	4.515			
23,000.0	12,750.0	23,433.6	12,750.0	104.5	94.3	-90.00	-10,793.6	971.0	879.9	683.2	196.67	4.474			
23,100.0	12,750.0	23,533.6	12,750.0	105.4	95.1	-90.00	-10,893.6	972.0	879.9	681.4	198.45	4.434			
23,200.0	12,750.0	23,633.6	12,750.0	106.4	96.0	-90.00	-10,993.6	973.0	879.9	679.7	200.23	4.394			
23,300.0	12,750.0	23,733.6	12,750.0	107.3	96.8	-90.00	-11,093.6	973.9	879.9	677.9	202.00	4.356			
23,400.0	12,750.0	23,833.6	12,750.0	108.3	97.7	-90.00	-11,193.6	974.9	879.9	676.1	203.78	4.318			
23,500.0	12,750.0	23,933.6	12,750.0	109.2	98.5	-90.00	-11,293.6	975.9	879.9	674.3	205.56	4.280			
23,600.0	12,750.0	24,033.6	12,750.0	110.2	99.4	-90.00	-11,393.6	976.9	879.9	672.6	207.34	4.244			
23,700.0	12,750.0	24,133.6	12,750.0	111.2	100.2	-90.00	-11,493.6	977.9	879.9	670.8	209.12	4.208			
23,800.0	12,750.0	24,233.6	12,750.0	112.1	101.1	-90.00	-11,593.6	978.8	879.9	669.0	210.90	4.172			
23,900.0	12,750.0	24,333.6	12,750.0	113.1	101.9	-90.00	-11,693.6	979.8	879.9	667.2	212.68	4.137			
24,000.0	12,750.0	24,433.6	12,750.0	114.0	102.7	-90.00	-11,793.6	980.8	879.9	665.5	214.46	4.103			
24,100.0	12,750.0	24,533.6	12,750.0	115.0	103.6	-90.00	-11,893.6	981.8	879.9	663.7	216.24	4.069			
24,200.0	12,750.0	24,633.6	12,750.0	115.9	104.4	-90.00	-11,993.6	982.8	879.9	661.9	218.03	4.036			
24,300.0	12,750.0	24,733.6	12,750.0	116.9	105.3	-90.00	-12,093.5	983.7	879.9	660.1	219.81	4.003			
24,400.0	12,750.0	24,833.6	12,750.0	117.9	106.1	-90.00	-12,193.5	984.7	879.9	658.3	221.59	3.971			
24,500.0	12,750.0	24,933.6	12,750.0	118.8	107.0	-90.00	-12,293.5	985.7	879.9	656.6	223.37	3.939			
24,600.0	12,750.0	25,033.6	12,750.0	119.8	107.8	-90.00	-12,393.5	986.7	879.9	654.8	225.16	3.908			
24,700.0	12,750.0	25,133.6	12,750.0	120.7	108.7	-90.00	-12,493.5	987.7	880.0	653.0	226.94	3.877			
24,800.0	12,750.0	25,233.6	12,750.0	121.7	109.5	-90.00	-12,593.5	988.6	880.0	651.2	228.72	3.847			
24,900.0	12,750.0	25,333.6	12,750.0	122.6	110.3	-90.00	-12,693.5	989.6	880.0	649.5	230.51	3.818			
25,000.0	12,750.0	25,433.6	12,750.0	123.6	111.2	-90.00	-12,793.5	990.6	880.0	647.7	232.29	3.788			
25,100.0	12,750.0	25,533.6	12,750.0	124.6	112.0	-90.00	-12,893.5	991.6	880.0	645.9	234.07	3.759			
25,200.0	12,750.0	25,633.6	12,750.0	125.5	112.9	-90.00	-12,993.5	992.6	880.0	644.1	235.86	3.731			
25,300.0	12,750.0	25,733.6	12,750.0	126.5	113.7	-90.00	-13,093.5	993.5	880.0	642.3	237.64	3.703			
25,400.0	12,750.0	25,833.6	12,750.0	127.4	114.6	-90.00	-13,193.5	994.5	880.0	640.6	239.43	3.675			
25,500.0	12,750.0	25,933.6	12,750.0	128.4	115.4	-90.00	-13,293.5	995.5	880.0	638.8	241.21	3.648			
25,600.0	12,750.0	26,033.6	12,750.0	129.4	116.3	-90.00	-13,393.5	996.5	880.0	637.0	243.00	3.621			
25,621.7	12,750.0	26,055.3	12,750.0	129.6	116.5	-90.00	-13,415.1	996.7	880.0	636.6	243.38	3.616 SF			

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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 015H - OWB - AWP														Offset Site Error:	0.0 usft
Survey Program: 168-r.5 MWD+IFR1														Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
19,600.0	12,750.0	17,340.0	12,385.3	72.1	53.3	6.44	-8,274.9	25.4	946.2	872.9	73.33	12,903			
19,700.0	12,750.0	17,340.0	12,385.3	73.1	53.3	6.44	-8,274.9	25.4	855.0	778.1	76.85	11,125			
19,800.0	12,750.0	17,340.0	12,385.3	74.0	53.3	6.44	-8,274.9	25.4	765.8	684.7	81.14	9,438			
19,900.0	12,750.0	17,340.0	12,385.3	75.0	53.3	6.44	-8,274.9	25.4	679.8	593.3	86.43	7,865			
20,000.0	12,750.0	17,340.0	12,385.3	75.9	53.3	6.44	-8,274.9	25.4	598.0	505.1	92.90	6,437			
20,100.0	12,750.0	17,340.0	12,385.3	76.9	53.3	6.44	-8,274.9	25.4	522.7	422.0	100.67	5,192			
20,200.0	12,750.0	17,340.0	12,385.3	77.8	53.3	6.44	-8,274.9	25.4	456.9	347.5	109.38	4,177			
20,300.0	12,750.0	17,340.0	12,385.3	78.8	53.3	6.44	-8,274.9	25.4	405.4	287.7	117.66	3,445			
20,400.0	12,750.0	17,340.0	12,385.3	79.7	53.3	6.44	-8,274.9	25.4	374.0	251.4	122.58	3,051			
20,500.0	12,750.0	17,291.1	12,388.2	80.7	52.9	6.49	-8,323.7	25.9	364.8	242.0	122.79	2,971	Normal Operations		
20,600.0	12,750.0	17,196.3	12,393.1	81.6	52.0	6.56	-8,418.4	26.9	359.6	236.6	122.96	2,925	Normal Operations		
20,700.0	12,750.0	17,102.0	12,396.3	82.6	51.2	6.48	-8,512.6	28.7	356.1	233.1	123.08	2,894	Normal Operations		
20,800.0	12,750.0	17,005.1	12,398.4	83.5	50.3	6.37	-8,609.5	30.6	353.8	230.6	123.27	2,870	Normal Operations		
20,900.0	12,750.0	16,907.6	12,399.8	84.5	49.5	6.15	-8,707.0	33.0	352.2	228.8	123.47	2,853	Normal Operations		
21,000.0	12,750.0	16,810.0	12,400.4	85.4	48.6	5.87	-8,804.5	35.8	351.4	227.7	123.68	2,841	Normal Operations		
21,075.8	12,750.0	16,736.1	12,400.5	86.1	48.0	5.63	-8,878.4	38.0	351.2	227.3	123.84	2,836	Normal Operations		
21,100.0	12,750.0	16,712.7	12,400.4	86.4	47.8	5.54	-8,901.8	38.8	351.2	227.3	123.89	2,835	Normal Operations		
21,200.0	12,750.0	16,615.8	12,399.5	87.3	46.9	5.13	-8,998.6	42.1	351.9	227.8	124.08	2,836	Normal Operations		
21,300.0	12,750.0	16,513.5	12,398.1	88.3	46.0	4.77	-9,100.9	45.3	353.1	228.6	124.50	2,836	Normal Operations		
21,400.0	12,750.0	16,411.5	12,398.3	89.2	45.1	4.95	-9,202.9	45.1	353.0	228.0	125.02	2,824	Normal Operations		
21,500.0	12,750.0	16,309.0	12,399.0	90.2	44.3	5.68	-9,305.2	41.7	352.8	227.1	125.66	2,807	Normal Operations		
21,600.0	12,750.0	16,207.1	12,400.5	91.1	43.4	6.37	-9,407.1	38.6	351.7	225.4	126.29	2,785	Normal Operations		
21,664.6	12,750.0	16,146.9	12,401.2	91.7	42.9	6.67	-9,467.3	37.4	351.2	224.7	126.50	2,776	Normal Operations		
21,700.0	12,750.0	16,114.9	12,401.1	92.1	42.6	6.81	-9,499.3	36.8	351.3	224.8	126.58	2,776	Normal Operations		
21,800.0	12,750.0	16,021.0	12,399.6	93.0	41.9	7.21	-9,593.2	35.1	353.3	226.4	126.90	2,784	Normal Operations		
21,900.0	12,750.0	15,914.7	12,398.0	94.0	41.0	7.97	-9,699.4	31.2	355.4	227.6	127.77	2,782	Normal Operations		
22,000.0	12,750.0	15,807.4	12,399.1	94.9	40.1	9.09	-9,806.5	25.4	355.3	226.6	128.73	2,760	Normal Operations		
22,100.0	12,750.0	15,703.2	12,402.0	95.9	39.3	10.12	-9,910.5	20.4	353.6	224.1	129.57	2,729	Normal Operations		
22,200.0	12,750.0	15,602.4	12,405.0	96.8	38.5	10.98	-10,011.2	16.5	351.5	221.2	130.31	2,698	Normal Operations		
22,300.0	12,750.0	15,494.7	12,409.2	97.8	37.6	11.52	-10,118.9	15.1	348.1	217.0	131.14	2,655	Normal Operations		
22,400.0	12,750.0	15,387.8	12,415.4	98.7	36.7	11.69	-10,225.6	16.3	342.4	210.6	131.84	2,597	Normal Operations		
22,500.0	12,750.0	15,282.8	12,422.8	99.7	35.9	11.51	-10,330.2	19.9	335.0	202.6	132.43	2,530	Normal Operations		
22,600.0	12,750.0	15,183.9	12,430.7	100.7	35.1	11.30	-10,428.8	23.7	326.7	193.7	132.99	2,456	Caution - Monitor Closely		
22,700.0	12,750.0	15,087.9	12,437.2	101.6	34.4	10.96	-10,524.4	27.9	319.3	185.8	133.52	2,392	Caution - Monitor Closely		
22,800.0	12,750.0	14,991.1	12,442.7	102.6	33.6	10.55	-10,621.0	32.2	313.1	179.0	134.05	2,336	Caution - Monitor Closely		
22,900.0	12,750.0	14,898.7	12,446.8	103.5	32.9	10.22	-10,713.2	35.6	308.2	173.7	134.52	2,291	Caution - Monitor Closely		
23,000.0	12,750.0	14,802.6	12,448.9	104.5	32.2	10.00	-10,809.3	38.2	305.8	170.7	135.06	2,264	Caution - Monitor Closely		
23,100.0	12,750.0	14,703.7	12,450.8	105.4	31.5	9.94	-10,908.1	39.8	303.8	168.1	135.71	2,239	Caution - Monitor Closely		
23,200.0	12,750.0	14,606.3	12,452.2	106.4	30.8	10.00	-11,005.6	40.6	302.4	166.1	136.36	2,218	Caution - Monitor Closely		
23,300.0	12,750.0	14,503.0	12,453.6	107.3	30.1	10.18	-11,108.8	40.9	301.2	164.0	137.19	2,195	Caution - Monitor Closely		
23,400.0	12,750.0	14,405.3	12,455.4	108.3	29.5	10.26	-11,206.5	41.8	299.4	161.5	137.88	2,171	Caution - Monitor Closely		
23,500.0	12,750.0	14,306.0	12,456.4	109.2	28.8	10.19	-11,305.8	43.3	298.3	159.7	138.59	2,152	Caution - Monitor Closely		
23,600.0	12,750.0	14,208.8	12,456.8	110.2	28.2	10.02	-11,402.9	45.2	297.7	158.5	139.23	2,138	Caution - Monitor Closely		
23,644.5	12,750.0	14,164.5	12,456.8	110.6	28.0	9.94	-11,447.2	46.1	297.7	158.1	139.56	2,133	Caution - Monitor Closely, CC		
23,700.0	12,750.0	14,109.4	12,456.7	111.2	27.6	9.85	-11,502.4	47.1	297.7	157.7	139.96	2,127	Caution - Monitor Closely, ES		
23,800.0	12,750.0	14,014.4	12,455.6	112.1	27.1	9.63	-11,597.3	49.0	298.7	158.2	140.53	2,125	Caution - Monitor Closely, SF		
23,900.0	12,750.0	13,915.6	12,453.4	113.1	26.6	9.38	-11,696.0	50.9	300.7	159.4	141.24	2,129	Caution - Monitor Closely		
24,000.0	12,750.0	13,818.2	12,450.8	114.0	26.1	9.17	-11,793.4	52.6	303.2	161.3	141.91	2,137	Caution - Monitor Closely		
24,100.0	12,750.0	13,723.7	12,446.9	115.0	25.6	9.15	-11,887.9	53.0	307.3	164.8	142.50	2,157	Caution - Monitor Closely		
24,200.0	12,750.0	13,621.1	12,443.0	115.9	25.2	9.72	-11,990.3	50.2	311.7	168.1	143.55	2,171	Caution - Monitor Closely		
24,300.0	12,750.0	13,517.3	12,440.5	116.9	24.8	10.82	-12,093.9	44.6	315.2	170.4	144.75	2,177	Caution - Monitor Closely		

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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 015H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 168-r.5 MWD+IFR1													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
24,400.0	12,750.0	13,413.8	12,439.8	117.9	24.4	11.96	-12,197.3	39.0	317.2	171.2	145.96	2.173	Caution - Monitor Closely	
24,500.0	12,750.0	13,315.2	12,439.7	118.8	24.1	13.53	-12,295.5	31.0	319.2	172.1	147.12	2.170	Caution - Monitor Closely	
24,600.0	12,750.0	13,213.7	12,438.7	119.8	23.8	14.45	-12,397.0	26.5	321.5	173.2	148.27	2.168	Caution - Monitor Closely	
24,700.0	12,750.0	13,113.8	12,438.0	120.7	23.6	14.98	-12,496.8	24.2	323.1	173.8	149.29	2.164	Caution - Monitor Closely	
24,800.0	12,750.0	13,014.1	12,436.5	121.7	23.4	15.38	-12,596.5	22.4	325.2	175.0	150.29	2.164	Caution - Monitor Closely	
24,900.0	12,750.0	12,911.5	12,435.0	122.6	23.2	15.44	-12,699.1	22.6	326.9	175.6	151.30	2.160	Caution - Monitor Closely	
25,000.0	12,750.0	12,817.6	12,433.2	123.6	23.0	15.28	-12,792.9	24.0	328.6	176.6	152.00	2.162	Caution - Monitor Closely	
25,100.0	12,750.0	12,746.3	12,428.4	124.6	23.0	15.00	-12,864.0	25.1	335.2	183.8	151.39	2.214	Caution - Monitor Closely	
25,200.0	12,750.0	12,667.0	12,414.1	125.5	22.9	14.29	-12,942.0	26.4	352.0	201.4	150.54	2.338	Caution - Monitor Closely	
25,300.0	12,750.0	12,614.8	12,399.9	126.5	22.9	13.67	-12,992.2	27.4	377.0	230.4	146.59	2.571	Normal Operations	
25,400.0	12,750.0	12,573.0	12,386.2	127.4	22.9	13.12	-13,031.6	28.1	411.0	270.7	140.31	2.929	Normal Operations	
25,500.0	12,750.0	12,503.2	12,357.4	128.4	23.0	12.13	-13,095.2	29.2	452.1	314.3	137.82	3.280		
25,600.0	12,750.0	12,455.4	12,333.3	129.4	23.0	11.42	-13,136.4	29.7	501.8	369.2	132.60	3.784		
25,621.7	12,750.0	12,445.4	12,327.8	129.6	23.0	11.28	-13,144.8	29.8	513.4	381.9	131.50	3.904		

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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) - DUO SONIC 29 FEDERAL #4H - OWB - AWP												Offset Site Error:	3.0 usft
Survey Program: 1149-r.5 MWD												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,400.0	10,372.7	13,142.0	10,973.0	17.6	42.2	88.70	-357.7	755.4	973.3	916.7	56.56	17.207	
10,500.0	10,472.7	13,142.6	10,973.0	17.7	42.2	88.65	-357.1	755.4	915.0	857.3	57.67	15.865	
10,600.0	10,572.7	13,143.3	10,973.0	17.7	42.2	88.61	-356.4	755.4	864.3	805.5	58.81	14.696	
10,700.0	10,672.7	13,143.9	10,973.0	17.8	42.2	88.56	-355.8	755.4	822.8	762.9	59.93	13.730	
10,800.0	10,772.7	13,144.6	10,973.0	17.8	42.2	88.51	-355.1	755.4	791.8	730.9	60.93	12.994	
10,900.0	10,872.7	13,145.3	10,973.0	17.9	42.2	88.46	-354.4	755.3	772.6	710.8	61.74	12.514	
11,000.0	10,972.7	13,146.0	10,973.1	18.0	42.3	88.40	-353.7	755.3	766.0	703.8	62.25	12.305 CC	
11,004.4	10,977.1	13,146.0	10,973.1	18.0	42.3	88.40	-353.7	755.3	766.0	703.8	62.27	12.302 ES, SF	
11,100.0	11,072.7	13,146.7	10,973.1	18.0	42.3	88.35	-353.0	755.3	772.5	710.0	62.45	12.369	
11,200.0	11,172.7	13,147.4	10,973.1	18.1	42.3	88.29	-352.3	755.3	791.6	729.2	62.36	12.694	
11,300.0	11,272.7	13,148.2	10,973.1	18.1	42.3	88.24	-351.5	755.3	822.5	760.5	62.04	13.258	
11,400.0	11,372.7	13,149.0	10,973.1	18.2	42.3	88.18	-350.7	755.2	864.0	802.4	61.58	14.030	
11,500.0	11,472.7	13,149.7	10,973.1	18.3	42.3	88.12	-350.0	755.2	914.5	853.5	61.07	14.975	
11,600.0	11,572.7	13,150.6	10,973.1	18.3	42.3	88.06	-349.1	755.2	972.8	912.2	60.58	16.058	

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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 #501H - OWB - AWP														Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 11812-r.5 MWD+IFR1+MS												Rule Assigned:		Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis	Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning	
								+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
11,800.0	11,772.7	20,226.0	12,551.3	18.4	61.4	-74.64		-220.7	-572.4	972.6	877.5	95.11	10.226		
11,900.0	11,872.7	20,226.0	12,551.3	18.5	61.4	-74.64		-220.7	-572.4	894.5	800.3	94.21	9.495		
12,000.0	11,972.7	20,226.0	12,551.3	18.6	61.4	-74.64		-220.7	-572.4	821.3	728.2	93.07	8.824		
12,100.0	12,072.7	20,226.0	12,551.3	18.6	61.4	-74.64		-220.7	-572.4	754.1	662.5	91.69	8.225		
12,200.0	12,172.7	20,226.0	12,551.3	18.7	61.4	-74.64		-220.7	-572.4	695.0	604.9	90.09	7.714		
12,299.8	12,272.5	20,226.0	12,551.3	18.7	61.4	-74.64		-220.7	-572.4	646.1	557.6	88.41	7.307		
12,300.0	12,272.7	20,226.0	12,551.3	18.7	61.4	-74.64		-220.7	-572.4	646.0	557.6	88.41	7.307		
12,325.0	12,297.7	20,226.0	12,551.3	18.8	61.4	107.22		-220.7	-572.4	635.8	547.8	87.98	7.226		
12,350.0	12,322.6	20,226.0	12,551.3	18.8	61.4	108.32		-220.7	-572.4	626.7	539.2	87.52	7.161		
12,375.0	12,347.4	20,226.0	12,551.3	18.9	61.4	109.25		-220.7	-572.4	619.0	532.0	87.05	7.111		
12,400.0	12,371.9	20,226.0	12,551.3	19.0	61.4	110.00		-220.7	-572.4	612.6	526.0	86.56	7.077		
12,425.0	12,396.2	20,226.0	12,551.3	19.1	61.4	110.57		-220.7	-572.4	607.6	521.5	86.07	7.059		
12,450.0	12,420.2	20,226.0	12,551.3	19.2	61.4	110.97		-220.7	-572.4	604.0	518.5	85.58	7.059 SF		
12,475.0	12,443.8	20,226.0	12,551.3	19.3	61.4	111.21		-220.7	-572.4	602.0	516.9	85.08	7.075		
12,496.7	12,463.9	20,226.0	12,551.3	19.3	61.4	111.27		-220.7	-572.4	601.4	516.8	84.65	7.105 CC, ES		
12,500.0	12,466.9	20,226.0	12,551.3	19.3	61.4	111.27		-220.7	-572.4	601.4	516.8	84.59	7.110		
12,525.0	12,489.4	20,226.0	12,551.3	19.4	61.4	111.16		-220.7	-572.4	602.4	518.3	84.10	7.163		
12,550.0	12,511.4	20,226.0	12,551.3	19.5	61.4	110.89		-220.7	-572.4	604.8	521.2	83.61	7.234		
12,575.0	12,532.7	20,226.0	12,551.3	19.6	61.4	110.44		-220.7	-572.4	608.8	525.6	83.13	7.323		
12,600.0	12,553.3	20,226.0	12,551.3	19.7	61.4	109.82		-220.7	-572.4	614.1	531.5	82.65	7.431		
12,625.0	12,573.1	20,226.0	12,551.3	19.8	61.4	109.02		-220.7	-572.4	620.9	538.7	82.16	7.557		
12,650.0	12,592.1	20,226.0	12,551.3	19.9	61.4	108.05		-220.7	-572.4	629.0	547.3	81.67	7.702		
12,675.0	12,610.2	20,226.0	12,551.3	20.0	61.4	106.90		-220.7	-572.4	638.3	557.2	81.16	7.865		
12,700.0	12,627.4	20,226.0	12,551.3	20.1	61.4	105.56		-220.7	-572.4	648.8	568.2	80.64	8.046		
12,725.0	12,643.7	20,226.0	12,551.3	20.2	61.4	104.04		-220.7	-572.4	660.4	580.3	80.09	8.246		
12,750.0	12,658.9	20,226.0	12,551.3	20.3	61.4	102.34		-220.7	-572.4	673.0	593.5	79.53	8.463		
12,775.0	12,673.0	20,226.0	12,551.3	20.4	61.4	100.45		-220.7	-572.4	686.5	607.6	78.94	8.698		
12,800.0	12,686.1	20,226.0	12,551.3	20.4	61.4	98.37		-220.7	-572.4	700.9	622.6	78.32	8.949		
12,825.0	12,698.0	20,226.0	12,551.3	20.5	61.4	96.12		-220.7	-572.4	716.0	638.3	77.67	9.218		
12,850.0	12,708.8	20,226.0	12,551.3	20.6	61.4	93.71		-220.7	-572.4	731.7	654.7	76.99	9.504		
12,875.0	12,718.3	20,226.0	12,551.3	20.6	61.4	91.13		-220.7	-572.4	748.0	671.7	76.28	9.806		
12,900.0	12,726.7	20,226.0	12,551.3	20.7	61.4	88.41		-220.7	-572.4	764.8	689.2	75.55	10.123		
12,925.0	12,733.7	20,226.0	12,551.3	20.7	61.4	85.57		-220.7	-572.4	782.0	707.2	74.78	10.457		
12,950.0	12,739.6	20,226.0	12,551.3	20.8	61.4	82.63		-220.7	-572.4	799.5	725.5	73.99	10.805		
12,975.0	12,744.1	20,226.0	12,551.3	20.8	61.4	79.63		-220.7	-572.4	817.3	744.1	73.18	11.169		
13,000.0	12,747.4	20,226.0	12,551.3	20.8	61.4	76.57		-220.7	-572.4	835.3	763.0	72.35	11.546		
13,025.0	12,749.3	20,226.0	12,551.3	20.8	61.4	73.51		-220.7	-572.4	853.5	782.0	71.49	11.938		
13,049.8	12,750.0	20,226.0	12,551.3	20.8	61.4	70.48		-220.7	-572.4	871.6	801.0	70.63	12.340		
13,100.0	12,750.0	20,226.0	12,551.3	20.9	61.4	70.48		-220.7	-572.4	909.0	840.0	68.93	13.187		
13,200.0	12,750.0	20,226.0	12,551.3	20.9	61.4	70.48		-220.7	-572.4	986.8	920.9	65.86	14.982		

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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 #602H - OWB - AWP														Offset Site Error:	3.0 usft
Survey Program: 99-Standard Keeper 104, 1235-r.5 MWD+IFR1+MS											Rule Assigned:		Offset Well Error:	3.0 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning		
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
11,800.0	11,772.7	20,271.0	12,553.1	18.4	64.6	71.24	-220.4	444.8	916.6	828.2	88.38	10.372			
11,900.0	11,872.7	20,271.0	12,553.1	18.5	64.6	71.24	-220.4	444.8	833.1	746.5	86.58	9.623			
12,000.0	11,972.7	20,271.0	12,553.1	18.6	64.6	71.24	-220.4	444.8	753.7	669.1	84.60	8.909			
12,100.0	12,072.7	20,271.0	12,553.1	18.6	64.6	71.24	-220.4	444.8	679.6	597.1	82.59	8.229			
12,200.0	12,172.7	20,271.0	12,553.1	18.7	64.6	71.24	-220.4	444.8	613.1	532.1	80.95	7.573			
12,299.8	12,272.5	20,271.0	12,553.1	18.7	64.6	71.24	-220.4	444.8	556.6	476.2	80.40	6.923			
12,300.0	12,272.7	20,271.0	12,553.1	18.7	64.6	71.24	-220.4	444.8	556.6	476.2	80.40	6.922			
12,325.0	12,297.7	20,271.0	12,553.1	18.8	64.6	-109.77	-220.4	444.8	544.6	464.0	80.54	6.762			
12,350.0	12,322.6	20,271.0	12,553.1	18.8	64.6	-111.09	-220.4	444.8	533.9	453.1	80.78	6.609			
12,375.0	12,347.4	20,271.0	12,553.1	18.9	64.6	-112.21	-220.4	444.8	524.6	443.5	81.14	6.465			
12,400.0	12,371.9	20,271.0	12,553.1	19.0	64.6	-113.11	-220.4	444.8	516.9	435.3	81.64	6.331			
12,425.0	12,396.2	20,271.0	12,553.1	19.1	64.6	-113.81	-220.4	444.8	510.8	428.5	82.28	6.208			
12,450.0	12,420.2	20,271.0	12,553.1	19.2	64.6	-114.30	-220.4	444.8	506.3	423.3	83.03	6.098			
12,475.0	12,443.8	20,271.0	12,553.1	19.3	64.6	-114.60	-220.4	444.8	503.6	419.7	83.89	6.003			
12,500.0	12,466.9	20,271.0	12,553.1	19.3	64.6	-114.70	-220.4	444.8	502.7	417.8	84.82	5.926 CC			
12,501.1	12,467.9	20,271.0	12,553.1	19.3	64.6	-114.70	-220.4	444.8	502.7	417.8	84.86	5.923			
12,525.0	12,489.4	20,271.0	12,553.1	19.4	64.6	-114.61	-220.4	444.8	503.5	417.7	85.80	5.868 ES			
12,550.0	12,511.4	20,271.0	12,553.1	19.5	64.6	-114.32	-220.4	444.8	506.2	419.4	86.79	5.832			
12,575.0	12,532.7	20,271.0	12,553.1	19.6	64.6	-113.83	-220.4	444.8	510.5	422.8	87.75	5.818 SF			
12,600.0	12,553.3	20,271.0	12,553.1	19.7	64.6	-113.14	-220.4	444.8	516.6	427.9	88.66	5.827			
12,625.0	12,573.1	20,271.0	12,553.1	19.8	64.6	-112.25	-220.4	444.8	524.3	434.8	89.47	5.859			
12,650.0	12,592.1	20,271.0	12,553.1	19.9	64.6	-111.15	-220.4	444.8	533.4	443.3	90.17	5.916			
12,675.0	12,610.2	20,271.0	12,553.1	20.0	64.6	-109.83	-220.4	444.8	544.1	453.3	90.74	5.996			
12,700.0	12,627.4	20,271.0	12,553.1	20.1	64.6	-108.29	-220.4	444.8	556.0	464.8	91.18	6.098			
12,725.0	12,643.7	20,271.0	12,553.1	20.2	64.6	-106.53	-220.4	444.8	569.1	477.6	91.46	6.222			
12,750.0	12,658.9	20,271.0	12,553.1	20.3	64.6	-104.53	-220.4	444.8	583.3	491.7	91.60	6.368			
12,775.0	12,673.0	20,271.0	12,553.1	20.4	64.6	-102.30	-220.4	444.8	598.5	506.9	91.60	6.534			
12,800.0	12,686.1	20,271.0	12,553.1	20.4	64.6	-99.84	-220.4	444.8	614.5	523.0	91.45	6.719			
12,825.0	12,698.0	20,271.0	12,553.1	20.5	64.6	-97.16	-220.4	444.8	631.3	540.1	91.18	6.923			
12,850.0	12,708.8	20,271.0	12,553.1	20.6	64.6	-94.26	-220.4	444.8	648.7	557.9	90.79	7.145			
12,875.0	12,718.3	20,271.0	12,553.1	20.6	64.6	-91.16	-220.4	444.8	666.6	576.4	90.28	7.384			
12,900.0	12,726.7	20,271.0	12,553.1	20.7	64.6	-87.89	-220.4	444.8	685.1	595.4	89.67	7.640			
12,925.0	12,733.7	20,271.0	12,553.1	20.7	64.6	-84.48	-220.4	444.8	703.9	614.9	88.97	7.912			
12,950.0	12,739.6	20,271.0	12,553.1	20.8	64.6	-80.96	-220.4	444.8	723.0	634.8	88.18	8.199			
12,975.0	12,744.1	20,271.0	12,553.1	20.8	64.6	-77.37	-220.4	444.8	742.3	655.0	87.31	8.502			
13,000.0	12,747.4	20,271.0	12,553.1	20.8	64.6	-73.76	-220.4	444.8	761.8	675.4	86.37	8.819			
13,025.0	12,749.3	20,271.0	12,553.1	20.8	64.6	-70.18	-220.4	444.8	781.3	695.9	85.37	9.152			
13,049.8	12,750.0	20,271.0	12,553.1	20.8	64.6	-66.68	-220.4	444.8	800.8	716.4	84.33	9.496			
13,100.0	12,750.0	20,271.0	12,553.1	20.9	64.6	-66.68	-220.4	444.8	840.7	758.4	82.23	10.223			
13,200.0	12,750.0	20,271.0	12,553.1	20.9	64.6	-66.68	-220.4	444.8	923.2	844.7	78.48	11.764			

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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 #701H - OWB - AWP													Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 10401-MWD+IFR1+FDIR											Rule Assigned:		Offset Well Error:	3.0 usft
Measured Reference Depth (usft)	Vertical Reference Depth (usft)	Measured Offset Depth (usft)	Vertical Offset Depth (usft)	Reference	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning	
				(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	(usft)			
10,200.0	10,172.7	18,528.0	11,001.3	17.5	67.4	-74.37	-227.1	-539.6	994.3	901.0	93.33	10.654		
10,300.0	10,272.7	18,528.0	11,001.3	17.5	67.4	-74.37	-227.1	-539.6	912.6	819.2	93.37	9.774		
10,400.0	10,372.7	18,528.0	11,001.3	17.6	67.4	-74.37	-227.1	-539.6	834.9	741.5	93.42	8.938		
10,500.0	10,472.7	18,528.0	11,001.3	17.7	67.4	-74.37	-227.1	-539.6	762.5	669.0	93.46	8.159		
10,600.0	10,572.7	18,528.0	11,001.3	17.7	67.4	-74.37	-227.1	-539.6	696.9	603.4	93.50	7.453		
10,700.0	10,672.7	18,528.0	11,001.3	17.8	67.4	-74.37	-227.1	-539.6	640.3	546.7	93.56	6.843		
10,800.0	10,772.7	18,528.0	11,001.3	17.8	67.4	-74.37	-227.1	-539.6	595.1	501.5	93.67	6.354		
10,900.0	10,872.7	18,528.0	11,001.3	17.9	67.4	-74.37	-227.1	-539.6	564.3	470.5	93.85	6.013		
11,000.0	10,972.7	18,528.0	11,001.3	18.0	67.4	-74.37	-227.1	-539.6	550.2	456.1	94.12	5.846		
11,028.7	11,001.3	18,528.0	11,001.3	18.0	67.4	-74.37	-227.1	-539.6	549.5	455.3	94.21	5.832 CC, ES, SF		
11,100.0	11,072.7	18,528.0	11,001.3	18.0	67.4	-74.37	-227.1	-539.6	554.1	459.6	94.47	5.865		
11,200.0	11,172.7	18,528.0	11,001.3	18.1	67.4	-74.37	-227.1	-539.6	575.6	480.7	94.86	6.067		
11,300.0	11,272.7	18,528.0	11,001.3	18.1	67.4	-74.37	-227.1	-539.6	612.8	517.6	95.25	6.434		
11,400.0	11,372.7	18,528.0	11,001.3	18.2	67.4	-74.37	-227.1	-539.6	663.2	567.6	95.61	6.936		
11,500.0	11,472.7	18,528.0	11,001.3	18.3	67.4	-74.37	-227.1	-539.6	723.9	628.0	95.93	7.547		
11,600.0	11,572.7	18,528.0	11,001.3	18.3	67.4	-74.37	-227.1	-539.6	792.7	696.5	96.21	8.239		
11,700.0	11,672.7	18,528.0	11,001.3	18.4	67.4	-74.37	-227.1	-539.6	867.5	771.1	96.46	8.994		
11,800.0	11,772.7	18,528.0	11,001.3	18.4	67.4	-74.37	-227.1	-539.6	947.0	850.3	96.69	9.794		

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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 #801H - OWB - AWP													Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 11783-r.5 MWD+IFR1+MS											Rule Assigned:		Offset Well Error:	3.0 usft
Measured Reference Depth (usft)	Vertical Depth (usft)	Measured Offset Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
11,400.0	11,372.7	20,007.0	12,291.4	18.2	61.2	-8.67	-220.2	-34.0	932.0	834.2	97.83	9.526		
11,500.0	11,472.7	20,007.0	12,291.4	18.3	61.2	-8.67	-220.2	-34.0	833.6	736.0	97.59	8.541		
11,600.0	11,572.7	20,007.0	12,291.4	18.3	61.2	-8.67	-220.2	-34.0	735.6	638.4	97.20	7.568		
11,700.0	11,672.7	20,007.0	12,291.4	18.4	61.2	-8.67	-220.2	-34.0	638.3	541.7	96.56	6.610		
11,800.0	11,772.7	20,007.0	12,291.4	18.4	61.2	-8.67	-220.2	-34.0	541.9	446.4	95.49	5.675		
11,900.0	11,872.7	20,007.0	12,291.4	18.5	61.2	-8.67	-220.2	-34.0	447.1	353.5	93.61	4.776		
12,000.0	11,972.7	20,007.0	12,291.4	18.6	61.2	-8.67	-220.2	-34.0	355.2	265.1	90.06	3.944		
12,100.0	12,072.7	20,007.0	12,291.4	18.6	61.2	-8.67	-220.2	-34.0	269.1	186.5	82.59	3.258		
12,200.0	12,172.7	20,007.0	12,291.4	18.7	61.2	-8.67	-220.2	-34.0	196.6	131.1	65.46	3.003 SF		
12,299.8	12,272.5	20,007.0	12,291.4	18.7	61.2	-8.67	-220.2	-34.0	157.8	117.3	40.54	3.893		
12,300.0	12,272.7	20,007.0	12,291.4	18.7	61.2	-8.67	-220.2	-34.0	157.8	117.3	40.53	3.894		
12,314.1	12,286.8	20,007.0	12,291.4	18.8	61.2	171.90	-220.2	-34.0	157.0	116.7	40.28	3.897 CC		
12,325.0	12,297.7	20,007.0	12,291.4	18.8	61.2	171.89	-220.2	-34.0	157.5	116.2	41.26	3.817		
12,350.0	12,322.6	20,007.0	12,291.4	18.8	61.2	171.81	-220.2	-34.0	162.3	115.8	46.58	3.485 ES		
12,375.0	12,347.4	20,007.0	12,291.4	18.9	61.2	171.63	-220.2	-34.0	171.9	118.1	53.84	3.193		
12,400.0	12,371.9	20,007.0	12,291.4	19.0	61.2	171.34	-220.2	-34.0	185.5	124.6	60.89	3.046		
12,425.0	12,396.2	20,007.0	12,291.4	19.1	61.2	170.92	-220.2	-34.0	202.2	135.4	66.82	3.026		
12,450.0	12,420.2	20,007.0	12,291.4	19.2	61.2	170.34	-220.2	-34.0	221.3	149.8	71.48	3.096		
12,475.0	12,443.8	20,007.0	12,291.4	19.3	61.2	169.54	-220.2	-34.0	242.2	167.1	75.02	3.228		
12,500.0	12,466.9	20,007.0	12,291.4	19.3	61.2	168.43	-220.2	-34.0	264.4	186.7	77.65	3.404		
12,525.0	12,489.4	20,007.0	12,291.4	19.4	61.2	166.85	-220.2	-34.0	287.5	207.9	79.58	3.613		
12,550.0	12,511.4	20,007.0	12,291.4	19.5	61.2	164.50	-220.2	-34.0	311.3	230.4	80.97	3.845		
12,575.0	12,532.7	20,007.0	12,291.4	19.6	61.2	160.73	-220.2	-34.0	335.6	253.7	81.95	4.096		
12,600.0	12,553.3	20,007.0	12,291.4	19.7	61.2	153.97	-220.2	-34.0	360.3	277.7	82.60	4.362		
12,625.0	12,573.1	20,007.0	12,291.4	19.8	61.2	139.51	-220.2	-34.0	385.1	302.1	82.98	4.641		
12,650.0	12,592.1	20,007.0	12,291.4	19.9	61.2	103.07	-220.2	-34.0	410.1	326.9	83.16	4.931		
12,675.0	12,610.2	20,007.0	12,291.4	20.0	61.2	52.52	-220.2	-34.0	435.0	351.9	83.16	5.231		
12,700.0	12,627.4	20,007.0	12,291.4	20.1	61.2	28.75	-220.2	-34.0	459.9	376.9	83.01	5.540		
12,725.0	12,643.7	20,007.0	12,291.4	20.2	61.2	18.83	-220.2	-34.0	484.7	402.0	82.74	5.858		
12,750.0	12,658.9	20,007.0	12,291.4	20.3	61.2	13.73	-220.2	-34.0	509.4	427.1	82.36	6.185		
12,775.0	12,673.0	20,007.0	12,291.4	20.4	61.2	10.68	-220.2	-34.0	533.9	452.0	81.89	6.520		
12,800.0	12,686.1	20,007.0	12,291.4	20.4	61.2	8.67	-220.2	-34.0	558.1	476.8	81.32	6.863		
12,825.0	12,698.0	20,007.0	12,291.4	20.5	61.2	7.26	-220.2	-34.0	582.1	501.4	80.68	7.215		
12,850.0	12,708.8	20,007.0	12,291.4	20.6	61.2	6.21	-220.2	-34.0	605.8	525.8	79.97	7.575		
12,875.0	12,718.3	20,007.0	12,291.4	20.6	61.2	5.41	-220.2	-34.0	629.2	550.0	79.20	7.945		
12,900.0	12,726.7	20,007.0	12,291.4	20.7	61.2	4.78	-220.2	-34.0	652.2	573.8	78.36	8.323		
12,925.0	12,733.7	20,007.0	12,291.4	20.7	61.2	4.28	-220.2	-34.0	674.9	597.4	77.47	8.712		
12,950.0	12,739.6	20,007.0	12,291.4	20.8	61.2	3.86	-220.2	-34.0	697.1	620.6	76.52	9.110		
12,975.0	12,744.1	20,007.0	12,291.4	20.8	61.2	3.51	-220.2	-34.0	719.0	643.4	75.53	9.519		
13,000.0	12,747.4	20,007.0	12,291.4	20.8	61.2	3.22	-220.2	-34.0	740.4	665.9	74.49	9.939		
13,025.0	12,749.3	20,007.0	12,291.4	20.8	61.2	2.97	-220.2	-34.0	761.3	687.9	73.41	10.370		
13,049.8	12,750.0	20,007.0	12,291.4	20.8	61.2	2.76	-220.2	-34.0	781.6	709.3	72.30	10.811		
13,100.0	12,750.0	20,007.0	12,291.4	20.9	61.2	2.76	-220.2	-34.0	822.8	752.7	70.12	11.734		
13,200.0	12,750.0	20,007.0	12,291.4	20.9	61.2	2.76	-220.2	-34.0	907.5	841.2	66.32	13.684		
13,300.0	12,750.0	20,007.0	12,291.4	20.9	61.2	2.76	-220.2	-34.0	995.0	931.9	63.16	15.755		

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

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well_BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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) - TELE DELUX 32 STATE 4H - OWB - AWP														Offset Site Error:	3.0 usft
Survey Program: 100-MWD - OWSG R1														Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
15,100.0	12,750.0	12,332.4	12,291.3	30.8	43.1	-58.45	-3,328.6	765.6	978.0	906.8	71.17	13.741			
15,200.0	12,750.0	12,375.0	12,316.3	31.6	43.2	-59.78	-3,362.9	763.2	936.7	864.5	72.17	12.979			
15,300.0	12,750.0	12,406.0	12,332.3	32.5	43.3	-60.64	-3,389.4	761.6	901.3	828.2	73.15	12.321			
15,400.0	12,750.0	12,438.0	12,346.9	33.4	43.5	-61.46	-3,417.8	760.4	872.5	798.4	74.16	11.765			
15,500.0	12,750.0	12,479.8	12,363.6	34.2	43.6	-62.44	-3,456.2	759.9	850.4	775.2	75.23	11.304			
15,600.0	12,750.0	12,533.0	12,381.2	35.1	43.8	-63.53	-3,506.3	760.7	834.7	758.4	76.35	10.933			
15,700.0	12,750.0	12,573.1	12,391.2	36.0	43.9	-64.18	-3,545.2	762.1	825.4	748.0	77.33	10.673			
15,789.2	12,750.0	12,613.3	12,398.7	36.8	44.1	-64.72	-3,584.5	764.8	822.6	744.5	78.17	10.524 CC			
15,800.0	12,750.0	12,618.1	12,399.4	36.9	44.1	-64.78	-3,589.2	765.1	822.7	744.4	78.26	10.512 ES			
15,900.0	12,750.0	12,672.0	12,404.2	37.8	44.3	-65.21	-3,642.7	770.2	826.4	747.3	79.16	10.439			
16,000.0	12,750.0	12,737.2	12,404.8	38.7	44.6	-65.44	-3,707.4	777.3	835.0	754.9	80.07	10.428			
16,100.0	12,750.0	12,827.0	12,401.2	39.6	45.0	-65.49	-3,796.6	787.9	846.5	765.3	81.20	10.425			
16,200.0	12,750.0	12,961.0	12,397.2	40.5	45.6	-65.62	-3,929.7	802.5	856.9	774.1	82.81	10.349			
16,300.0	12,750.0	13,077.8	12,398.5	41.4	46.3	-65.94	-4,046.1	812.5	863.4	779.1	84.36	10.234			
16,400.0	12,750.0	13,194.8	12,400.6	42.3	47.1	-66.24	-4,162.7	820.3	867.8	781.8	85.99	10.092			
16,500.0	12,750.0	13,300.4	12,401.7	43.2	47.8	-66.43	-4,268.2	825.8	871.3	783.8	87.55	9.953			
16,600.0	12,750.0	13,401.4	12,404.8	44.1	48.5	-66.73	-4,369.0	831.1	874.0	784.9	89.14	9.805			
16,700.0	12,750.0	13,486.5	12,407.6	45.0	49.2	-67.01	-4,453.9	836.5	877.7	787.0	90.62	9.685			
16,800.0	12,750.0	13,574.0	12,408.6	46.0	49.9	-67.22	-4,541.1	843.1	883.3	791.2	92.14	9.587			
16,900.0	12,750.0	13,677.0	12,409.0	46.9	50.8	-67.41	-4,643.9	850.9	889.2	795.3	93.87	9.472			
17,000.0	12,750.0	13,778.3	12,410.1	47.8	51.7	-67.64	-4,744.8	858.4	894.8	799.1	95.64	9.356			
17,100.0	12,750.0	13,877.9	12,411.9	48.7	52.7	-67.91	-4,844.1	866.1	900.3	802.9	97.44	9.240			
17,200.0	12,750.0	13,978.9	12,413.7	49.6	53.7	-68.18	-4,944.8	873.9	905.9	806.6	99.30	9.123			
17,300.0	12,750.0	14,079.8	12,415.5	50.6	54.7	-68.43	-5,045.5	881.4	911.3	810.1	101.20	9.005			
17,400.0	12,750.0	14,174.6	12,416.5	51.5	55.7	-68.63	-5,139.9	888.3	916.8	813.8	103.03	8.899			
17,500.0	12,750.0	14,263.2	12,417.6	52.4	56.7	-68.84	-5,228.2	895.7	923.3	818.5	104.80	8.810			
17,600.0	12,750.0	14,349.1	12,418.5	53.3	57.6	-69.06	-5,313.8	904.2	931.1	824.6	106.56	8.738			
17,700.0	12,750.0	14,439.3	12,417.2	54.3	58.7	-69.18	-5,403.4	913.5	940.4	832.0	108.37	8.678			
17,800.0	12,750.0	14,534.8	12,415.3	55.2	59.8	-69.27	-5,498.4	923.8	950.2	839.9	110.29	8.616			
17,900.0	12,750.0	14,643.1	12,414.4	56.1	61.1	-69.45	-5,606.0	935.9	960.2	847.7	112.50	8.535			
18,000.0	12,750.0	14,748.9	12,416.7	57.1	62.4	-69.80	-5,711.1	947.5	968.8	854.0	114.75	8.442			
18,100.0	12,750.0	14,864.2	12,419.5	58.0	63.8	-70.17	-5,825.8	959.3	976.7	859.5	117.19	8.334			
18,200.0	12,750.0	14,973.7	12,421.6	58.9	65.2	-70.45	-5,934.9	968.5	983.0	863.5	119.52	8.225			
18,300.0	12,750.0	15,068.2	12,423.1	59.9	66.4	-70.66	-6,029.0	976.2	989.3	867.7	121.61	8.135			
18,400.0	12,750.0	15,165.3	12,423.3	60.8	67.6	-70.81	-6,125.8	984.1	996.0	872.3	123.73	8.050 SF			

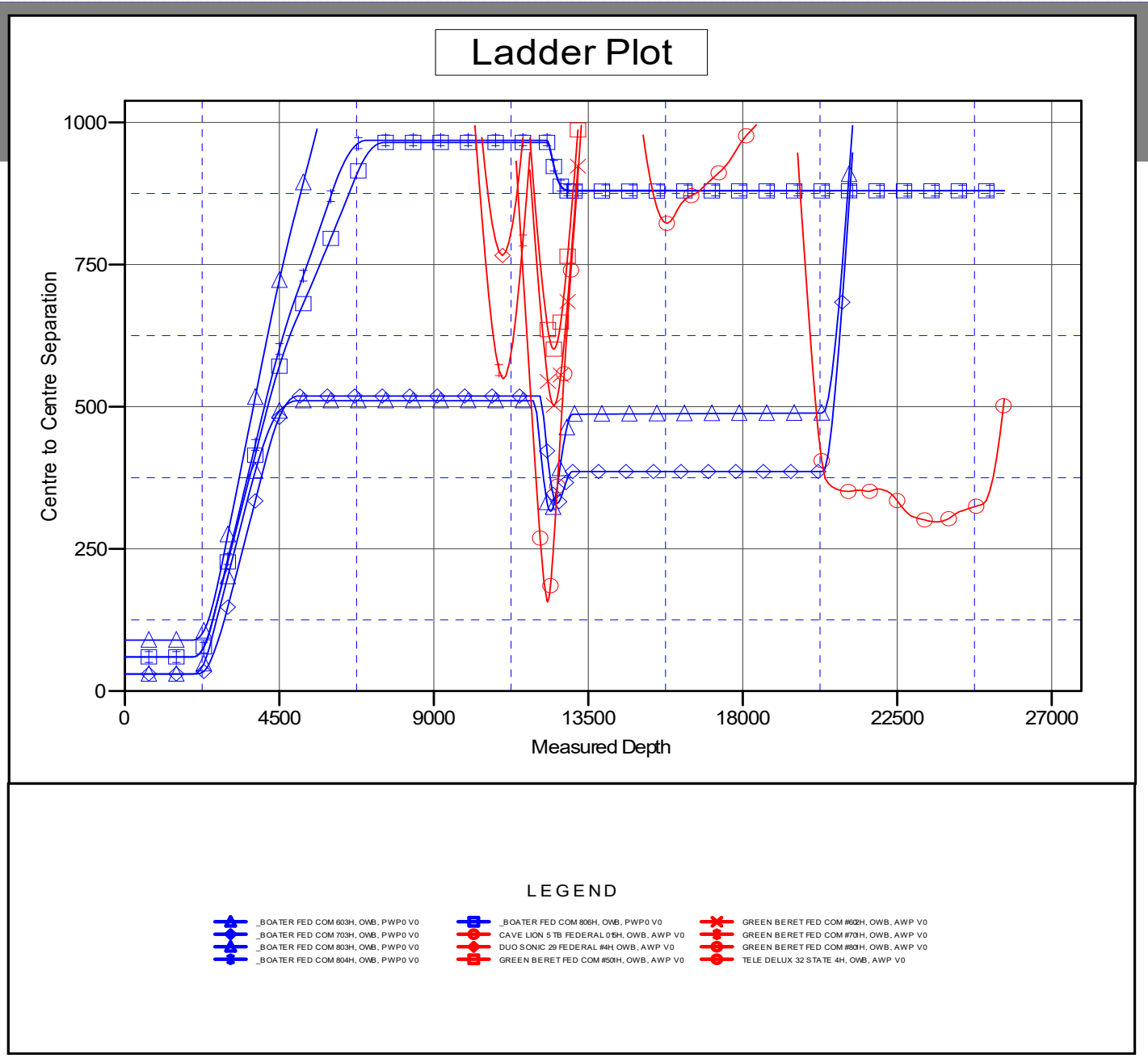
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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 805H - Slot BOATER FED COM
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.50°



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

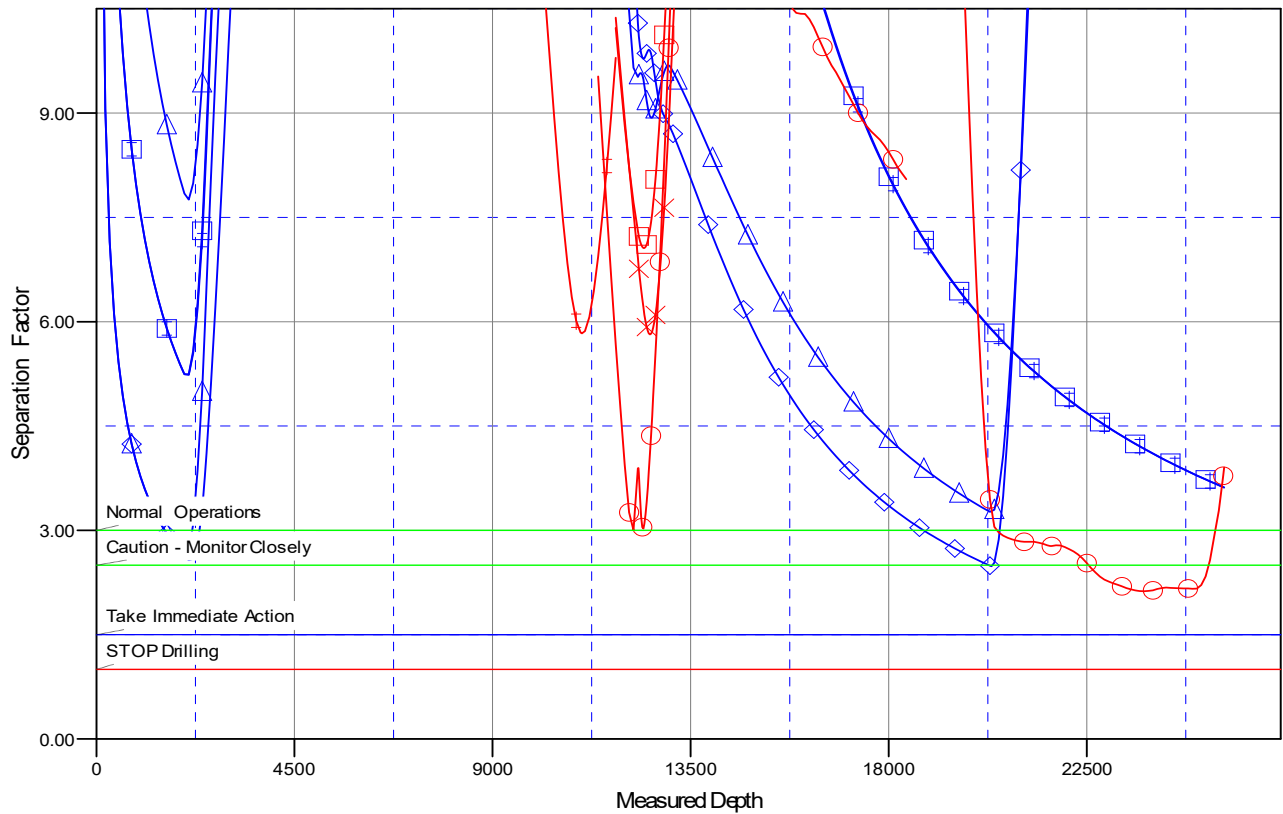
ConocoPhillips Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _BOATER FED COM 805H - Slot BOATER FED COM 805H
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 805H	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 805H - Slot BOATER FED COM
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.50°

Separation Factor Plot



LEGEND

- | | | |
|------------------------------------|---|--|
| _BOATER FED COM 803H, OWB, PWP0 V0 | _BOATER FED COM 806H, OWB, PWP0 V0 | GREEN BERET FED COM #602H, OWB, AWP V0 |
| _BOATER FED COM 703H, OWB, PWP0 V0 | CAVE LION 5 TB FEDERAL 05H, OWB, AWP V0 | GREEN BERET FED COM #703H, OWB, AWP V0 |
| _BOATER FED COM 803H, OWB, PWP0 V0 | DUO SONIC 29 FEDERAL #4H, OWB, AWP V0 | GREEN BERET FED COM #803H, OWB, AWP V0 |
| _BOATER FED COM 804H, OWB, PWP0 V0 | GREEN BERET FED COM #501H, OWB, AWP V0 | TELE DELUX 32 STATE 4H, OWB, AWP V0 |

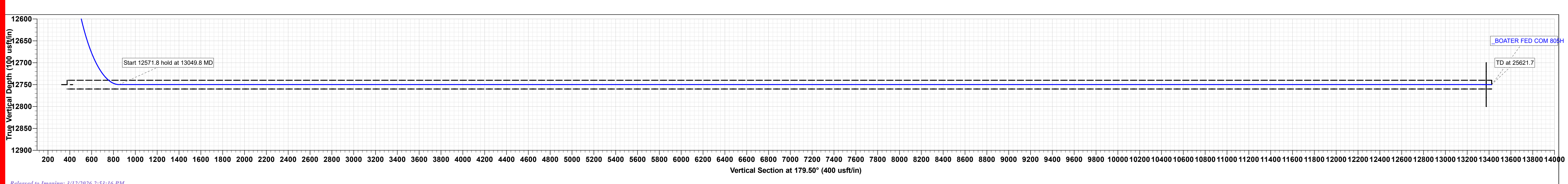
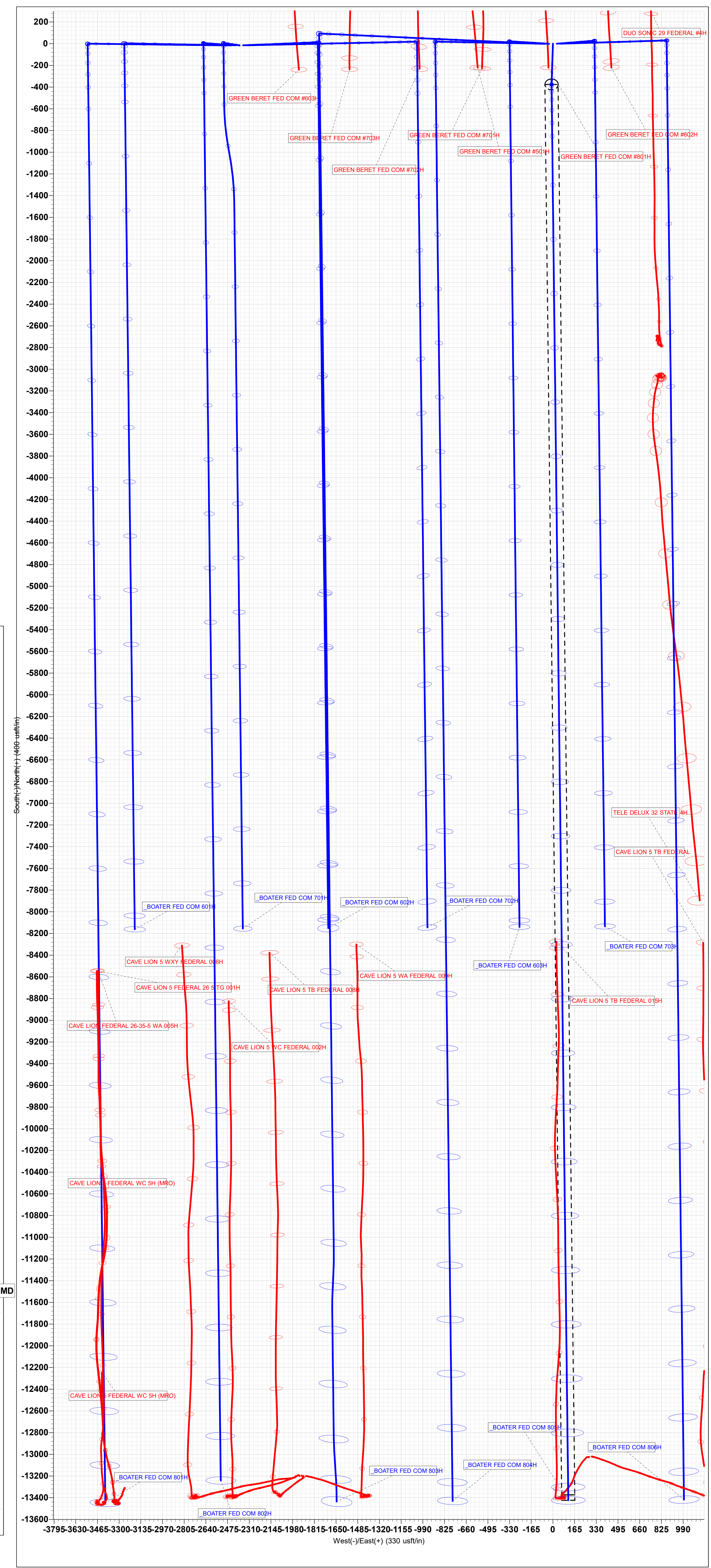
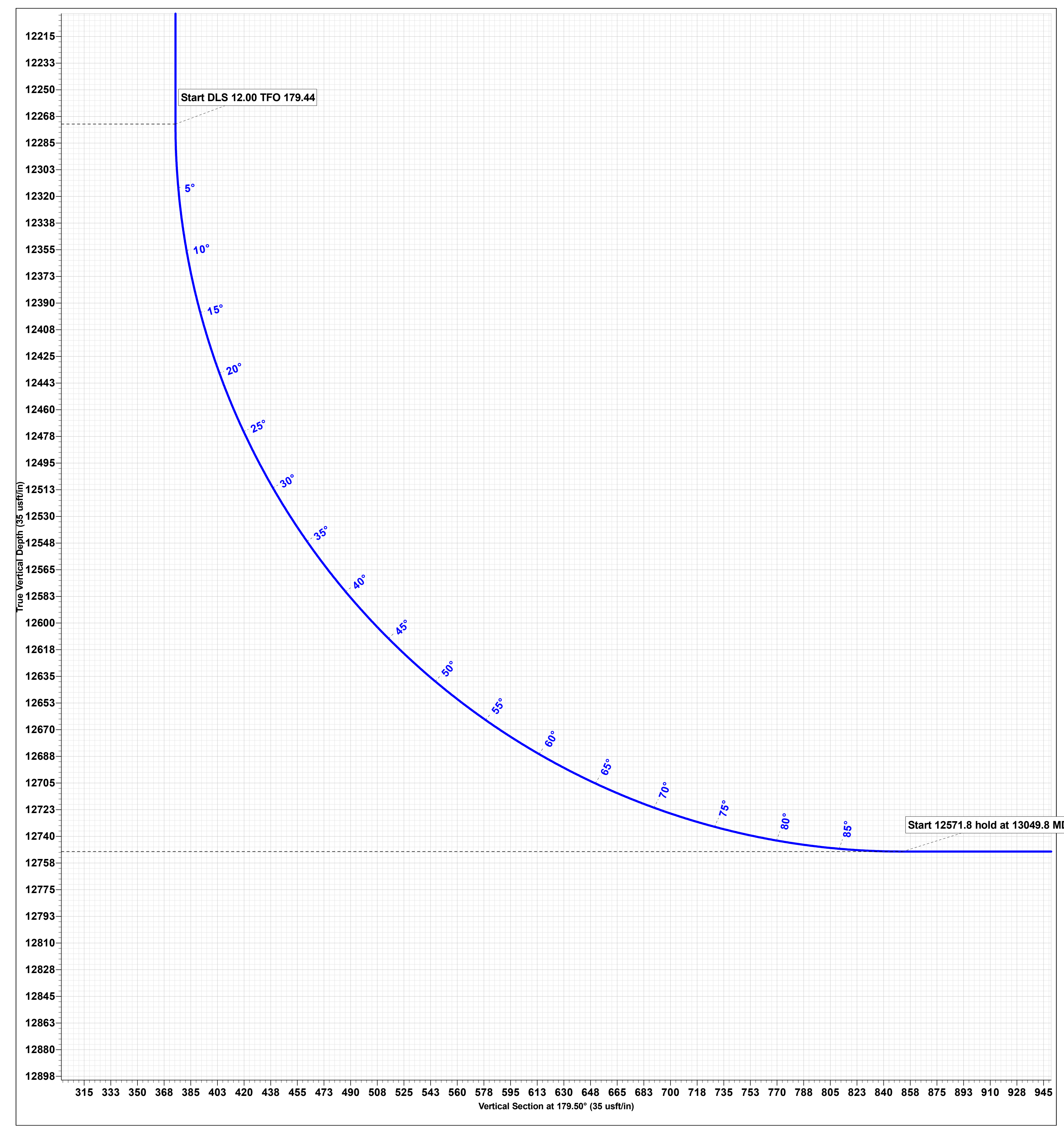
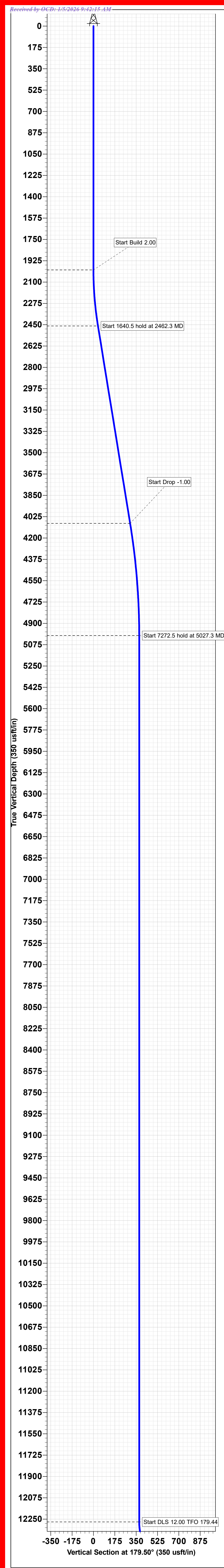
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Project: LEA COUNTY SOUTHEAST
 Site: BOATER FED COM PROJECT
 Well: BOATER FED COM 805H
 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
2462.3	9.25	181.59	2460.3	-37.2	-1.0	2.00	181.59	37.2
4102.8	9.25	181.59	4079.5	-300.7	-8.4	0.00	0.00	300.6
5027.3	0.00	0.00	5000.0	-375.1	-10.4	1.00	180.00	375.0
12299.8	0.00	0.00	12272.5	-375.1	-10.4	0.00	0.00	375.0
13049.8	90.00	179.44	12750.0	-852.5	-5.8	12.00	179.44	852.4
25621.7	90.00	179.44	12750.0	-13423.8	116.7	0.00	0.00	13424.3



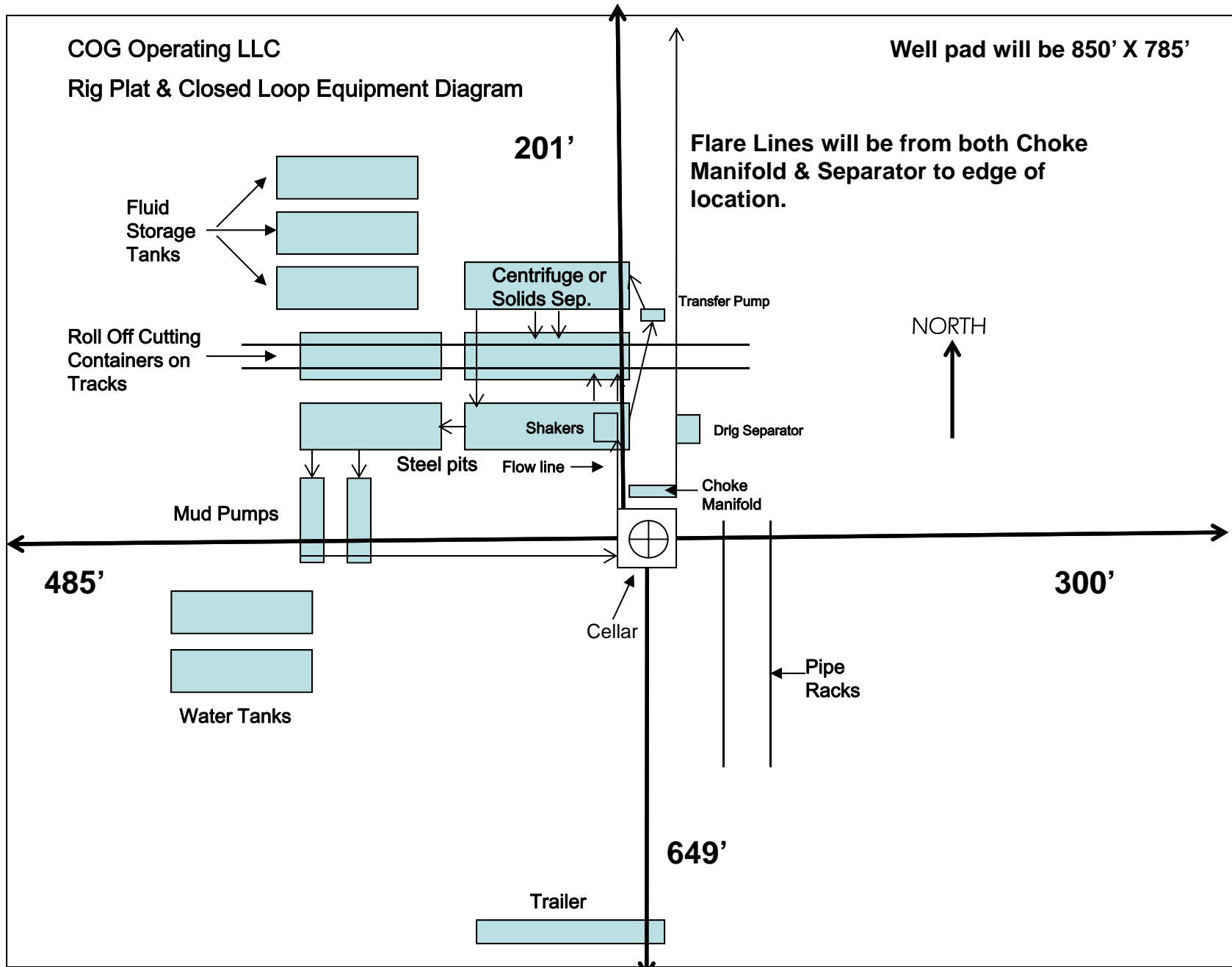


Exhibit 1

" 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

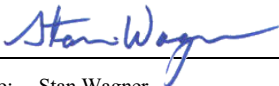
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(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.

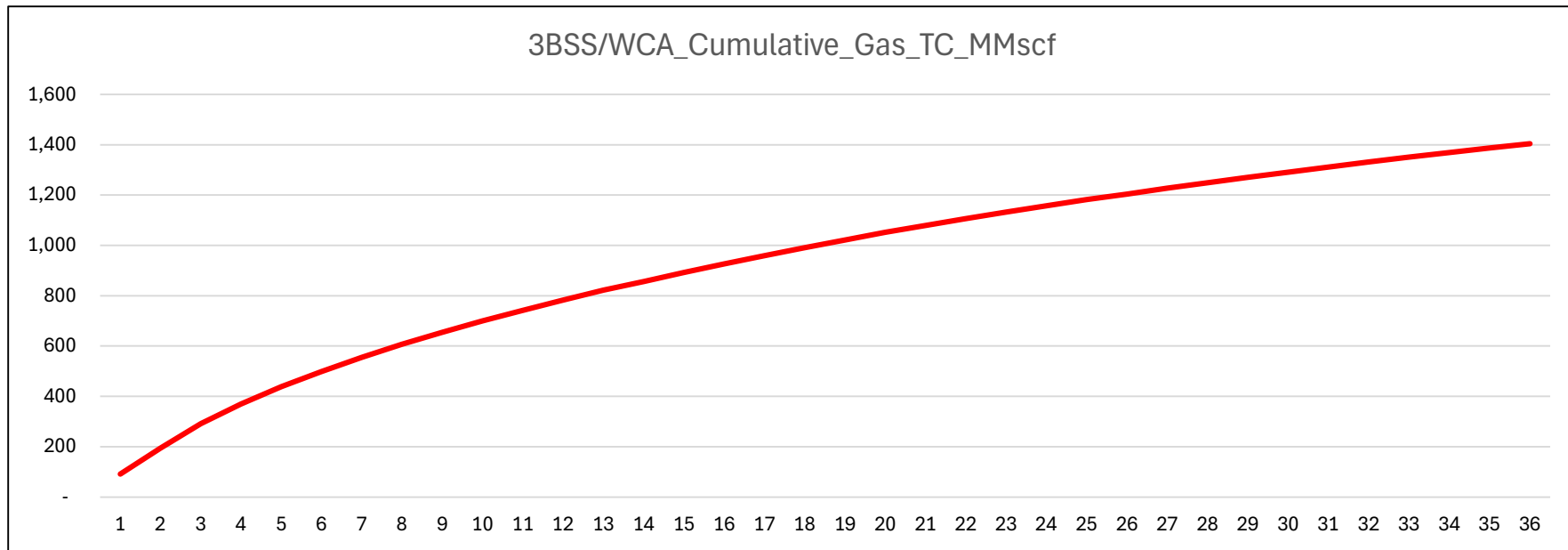
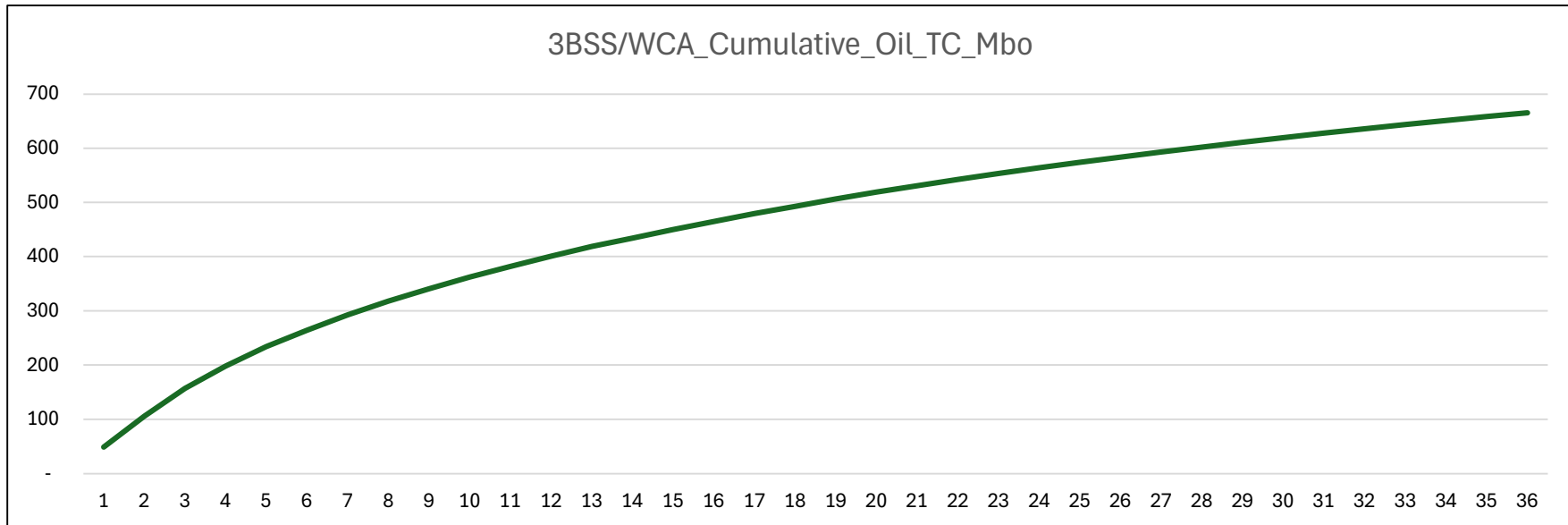
F. Measurement of vented and flared natural gas.

- 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 805H
LOCATION:	Section 29, T.25 S., R.35 E., NMP
COUNTY:	Lea County, New Mexico

COA

H2S	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Potash	<input checked="" type="radio"/> None	<input type="radio"/> Secretary	<input type="radio"/> R-111-P
Cave/Karst Potential	<input checked="" type="radio"/> Low	<input type="radio"/> Medium	<input type="radio"/> High
Cave/Karst Potential	<input type="radio"/> Critical		
Variance	<input type="radio"/> None	<input checked="" type="radio"/> Flex Hose	<input type="radio"/> Other
Wellhead	<input type="radio"/> Conventional	<input checked="" type="radio"/> Multibowl	<input type="radio"/> Both
Wellhead Variance	<input type="radio"/> Diverter		
Other	<input type="checkbox"/> 4 String	<input type="checkbox"/> Capitan Reef	<input type="checkbox"/> WIPP
Other	<input checked="" type="checkbox"/> Fluid Filled	<input type="checkbox"/> Pilot Hole	<input type="checkbox"/> Open Annulus
Cementing	<input checked="" type="checkbox"/> Contingency Cement Squeeze	<input checked="" type="checkbox"/> EchoMeter	<input type="checkbox"/> Primary Cement Squeeze
Special Requirements	<input type="checkbox"/> Water Disposal	<input checked="" type="checkbox"/> COM	<input type="checkbox"/> Unit
Special Requirements	<input type="checkbox"/> Batch Sundry		
Special Requirements Variance	<input checked="" type="checkbox"/> Break Testing	<input checked="" type="checkbox"/> Offline Cementing	<input checked="" type="checkbox"/> 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

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.

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

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

Action 539918

ACKNOWLEDGMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 539918
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	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

Action 539918

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 539918
	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	NSP required if not included in an existing order or not an infill to an appropriate defining well in the same pool and spacing unit.	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