

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

Form C-101
August 1, 2011

Permit 402433

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address MARATHON OIL PERMIAN LLC 600 W Illinois Ave Midland, TX 79701		2. OGRID Number 372098
4. Property Code 337851		3. API Number 30-015-57454
5. Property Name MAGELLAN WC FEE		6. Well No. 702H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	29	22S	27E	M	1009	S	336	W	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
I	28	22S	27E	I	2050	S	200	E	Eddy

9. Pool Information

PURPLE SAGE;WOLFCAMP (GAS)	98220
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Additional Well Information

11. Work Type New Well	12. Well Type GAS	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 3167
16. Multiple N	17. Proposed Depth 18935	18. Formation Wolfcamp	19. Contractor	20. Spud Date 2/2/2026
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	9.625	40	1850	550	0
Int1	8.75	7.625	29.7	8400	1300	0
Prod	6.75	5.5	23	18935	950	6500

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	3000	StreamFlo

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well. I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable. Signature:	OIL CONSERVATION DIVISION
Printed Name: Robyn M Russell	Approved By: Jeffrey Harrison
Title: Regulatory Supervisor	Title: Petroleum Specialist III
Email Address: Robyn.M.Russell@conocophillips.com	Approved Date: 11/7/2025 Expiration Date: 11/7/2027
Date: 11/6/2025 Phone: 432-685-4385	Conditions of Approval Attached

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

WELL LOCATION INFORMATION

API Number 30-015-57454	Pool Code 98220	Pool Name PURPLE SAGE; WOLFCAMP
Property Code 337851	Property Name MAGELLAN WC FEE	Well Number 702H
OGRID No. 372098	Operator Name MARATHON OIL PERMIAN LLC	Ground Level Elevation 3,167'
Surface Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal

Surface Location

UL M	Section 29	Township 22S	Range 27E	Lot	Ft. from N/S 1,009' FSL	Ft. from E/W 336' FWL	Latitude 32.358994°	Longitude -104.219066°	County EDDY
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Bottom Hole Location

UL I	Section 28	Township 22S	Range 27E	Lot	Ft. from N/S 2,050' FSL	Ft. from E/W 200' FEL	Latitude 32.361885°	Longitude -104.186539°	County EDDY
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Dedicated Acres 640	Infill or Defining Well INFILL	Defining Well API	Overlapping Spacing Unit (Y/N) N	Consolidation Code
Order Numbers.			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL M	Section 29	Township 22S	Range 27E	Lot	Ft. from N/S 1,009' FSL	Ft. from E/W 336' FWL	Latitude 32.358994°	Longitude -104.219066°	County EDDY
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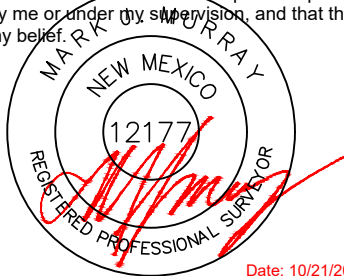
First Take Point (FTP)

UL L	Section 29	Township 22S	Range 27E	Lot	Ft. from N/S 2,050' FSL	Ft. from E/W 330' FWL	Latitude 32.361856°	Longitude -104.219073°	County EDDY
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Last Take Point (LTP)

UL I	Section 28	Township 22S	Range 27E	Lot	Ft. from N/S 2,050' FSL	Ft. from E/W 330' FEL	Latitude 32.361884°	Longitude -104.186960°	County EDDY
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Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3,167'
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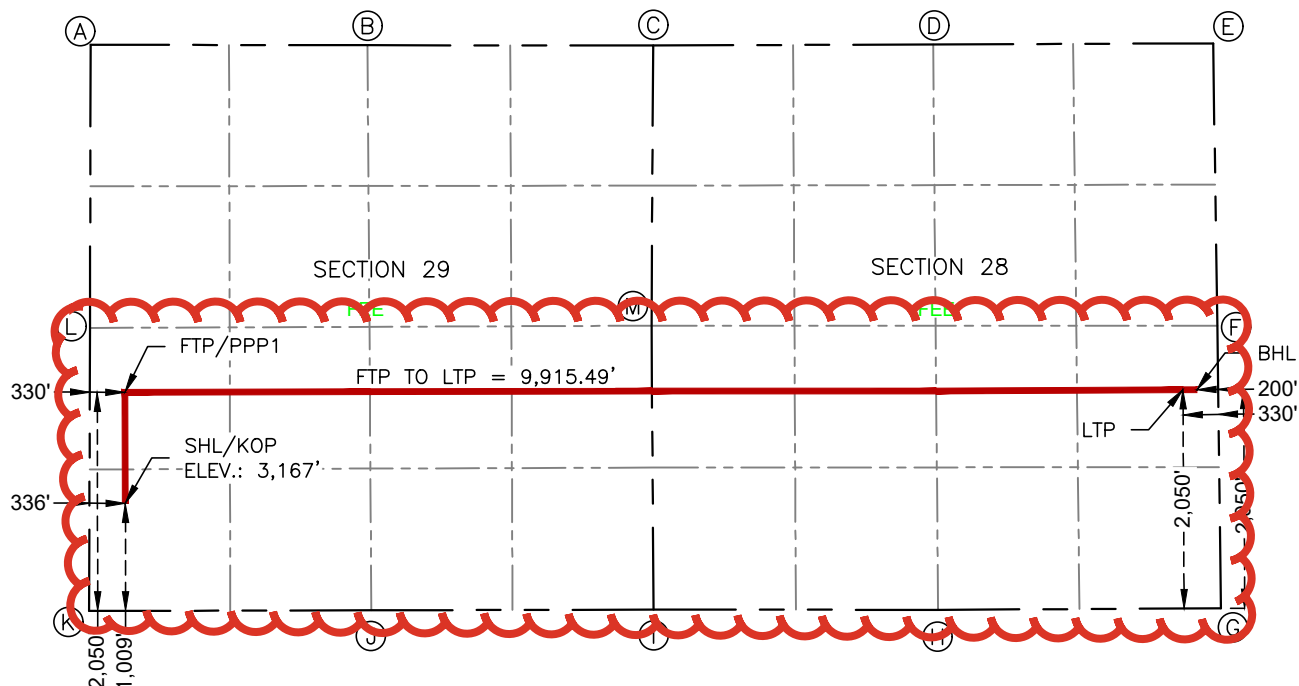
OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division. <i>Laura Koenig</i> 11/4/2025 Signature Date		SURVEYOR CERTIFICATIONS I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  Date: 10/21/2025 Signature and Seal of Professional Surveyor	
Printed Name laura.j.koenig@conocophillips.com Email Address		Certificate Number 12177	Date of Survey 10/21/2025
		Revision Number 1	

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

ACREAGE DEDICATION PLATS

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

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

**MAGELLAN WC FEE 702H**

SURFACE HOLE LOCATION
& KICK-OFF POINT
1,009' FSL & 336' FWL
ELEV. = 3,167'

NAD 83 X = 576,620.33'
NAD 83 Y = 494,352.64'
NAD 83 LAT = 32.358994°
NAD 83 LONG = -104.219066°

FIRST TAKE POINT &
PENETRATION POINT 1
2,050' FSL & 330' FWL

NAD 83 X = 576,616.94'
NAD 83 Y = 495,393.63'
NAD 83 LAT = 32.361856°
NAD 83 LONG = -104.219073°

LAST TAKE POINT
2,050' FSL & 330' FEL

NAD 83 X = 586,532.38'
NAD 83 Y = 495,415.91'
NAD 83 LAT = 32.361884°
NAD 83 LONG = -104.186960°

BOTTOM HOLE LOCATION
2,050' FSL & 200' FEL

NAD 83 X = 586,662.38'
NAD 83 Y = 495,416.58'
NAD 83 LAT = 32.361885°
NAD 83 LONG = -104.186539°

CORNER COORDINATES NEW MEXICO EAST - NAD 83	
POINT	NORTHING/EASTING
A	N:498,651.15' E:576,295.08'
B	N:498,646.70' E:578,889.42'
C	N:498,644.15' E:581,566.79'
D	N:498,654.19' E:584,191.21'
E	N:498,664.23' E:586,815.64'
F	N:496,016.22' E:586,854.85'
G	N:493,367.72' E:586,888.18'
H	N:493,354.05' E:584,237.40'
I	N:493,355.68' E:581,571.23'
J	N:493,349.24' E:578,926.52'
K	N:493,342.81' E:576,281.80'
L	N:495,996.98' E:576,288.44'
M	N:496,017.38' E:581,551.70'

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Form APD Conditions

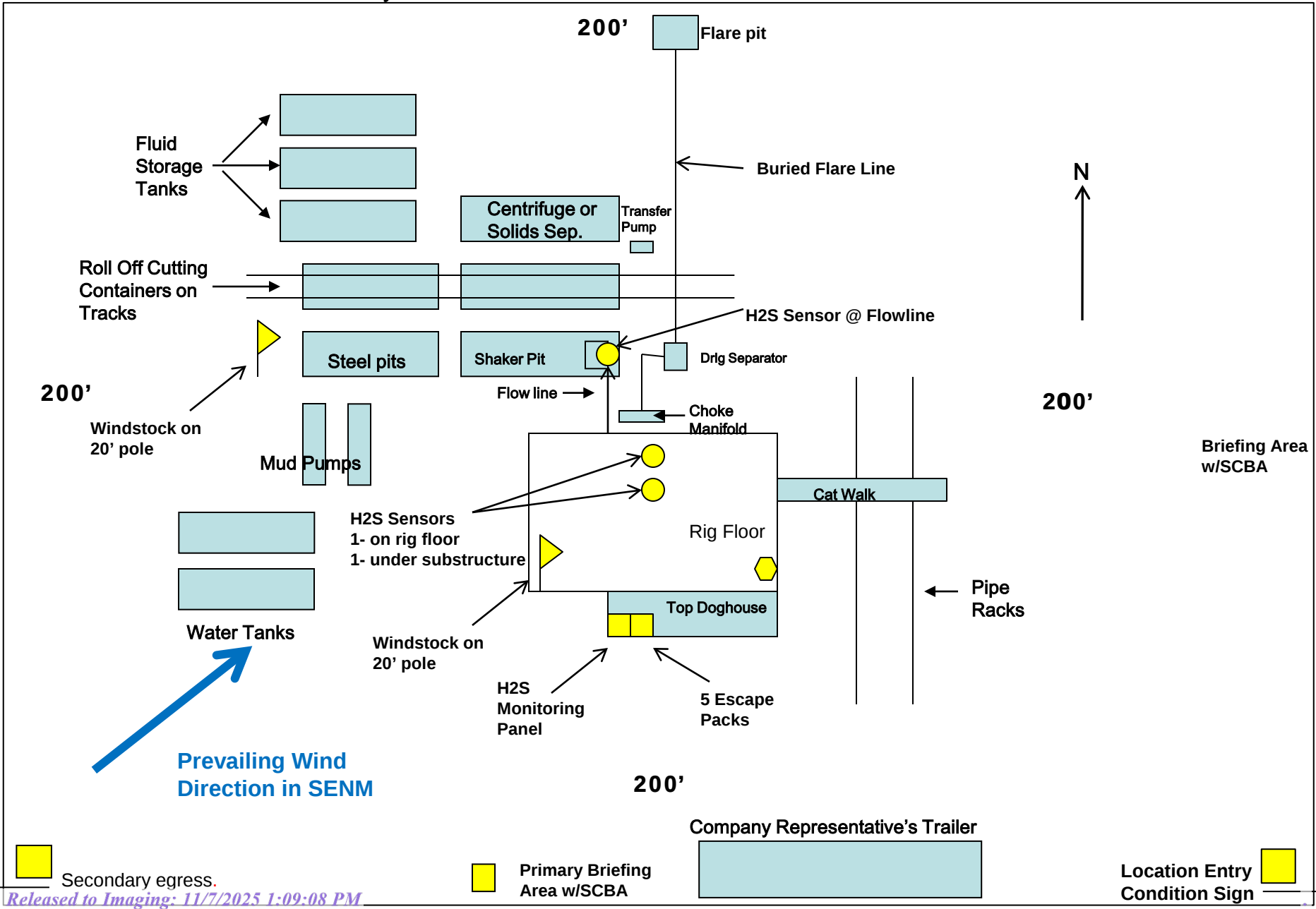
Permit 402433

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MARATHON OIL PERMIAN LLC [372098] 600 W Illinois Ave Midland, TX 79701	API Number: 30-015-57454
	Well: MAGELLAN WC FEE #702H

OCD Reviewer	Condition
jeffrey.harrison	No additives containing PFAS chemicals will be added to the drilling fluids or completion fluids used during drilling, completions, or recompletions operations.
jeffrey.harrison	All logs run on the well must be submitted to NMOCD.
jeffrey.harrison	This well is within the radius of the Carlsbad Brine Well. Operator shall provide written notice to OCD at least 14 days prior to the start of any drilling or completion activities. The notice shall be filed with OCD.Engineer@state.nm.us.
jeffrey.harrison	Vertical portions of wells may not advance within 1/4-mile of the backfilled void.
jeffrey.harrison	Lateral portions of wells occurring within 1-mile of the backfilled void may not occur at depths less than 5,000 feet.
jeffrey.harrison	Completion activities (hydraulic fracturing) within 1-mile of the backfilled void may not occur simultaneously. OCD may require the completion schedule to be modified if multiple completions are planned to occur simultaneously.
jeffrey.harrison	Cement is required to circulate on both surface and intermediate strings of casing.
jeffrey.harrison	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.
jeffrey.harrison	A [C-103] Sub. Drilling (C-103N) is required within (10) days of spud.
jeffrey.harrison	Notify the OCD 24 hours prior to casing & cement.
jeffrey.harrison	File As Drilled C-102 and a directional Survey with C-104 completion packet.
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.
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.

COG Operating LLC
H₂S Equipment Schematic
 Terrain: Shinnery sand hills.



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

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

Submit Electronically
Via E-permitting

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: Marathon Oil Permian LLC

OGRID: 372098

Date: 11/03/2025

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
Magellan BS Fee 501H	30-015-	M-29-22S-27E	1008 FSL & 327 FWL	± 1093	± 2400	± 1100
Magellan WC Fee 701H	30-015-	M-29-22S-27E	988 FSL & 327 FWL	± 1197	± 2500	± 6943
Magellan WC Fee 702H	30-015-	M-29-22S-27E	1028 FSL & 327 FWL	± 1197	± 2500	± 6943

IV. Central Delivery Point Name: CTB 1007' FSL & 1036' FWL 29-22S-27E [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
Magellan Fee	Pending	± 01/28/2026	± 25 days from spud	TBD	TBD	TBD
501H, 701H, 702H						

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: <i>Stan Wagner</i>
Printed Name: Stan Wagner
Title: Regulatory Advisor
E-mail Address: stan.s.wagner@conocophillips.com
Date: 11/03/2025
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

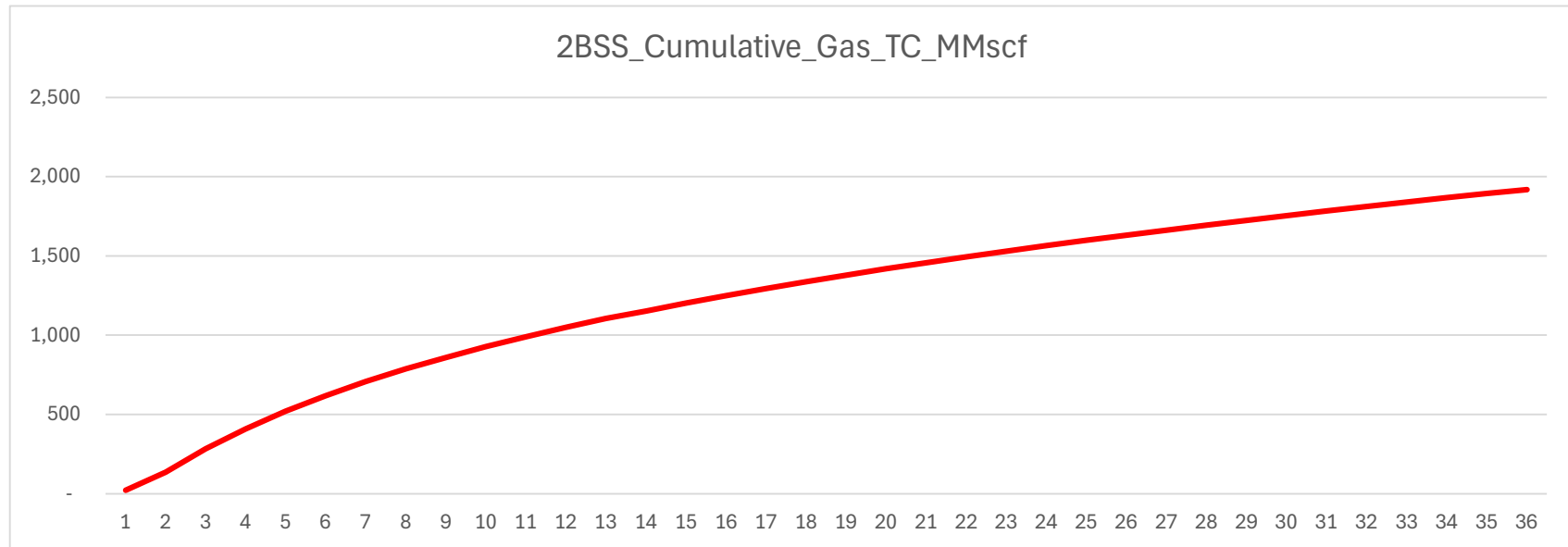
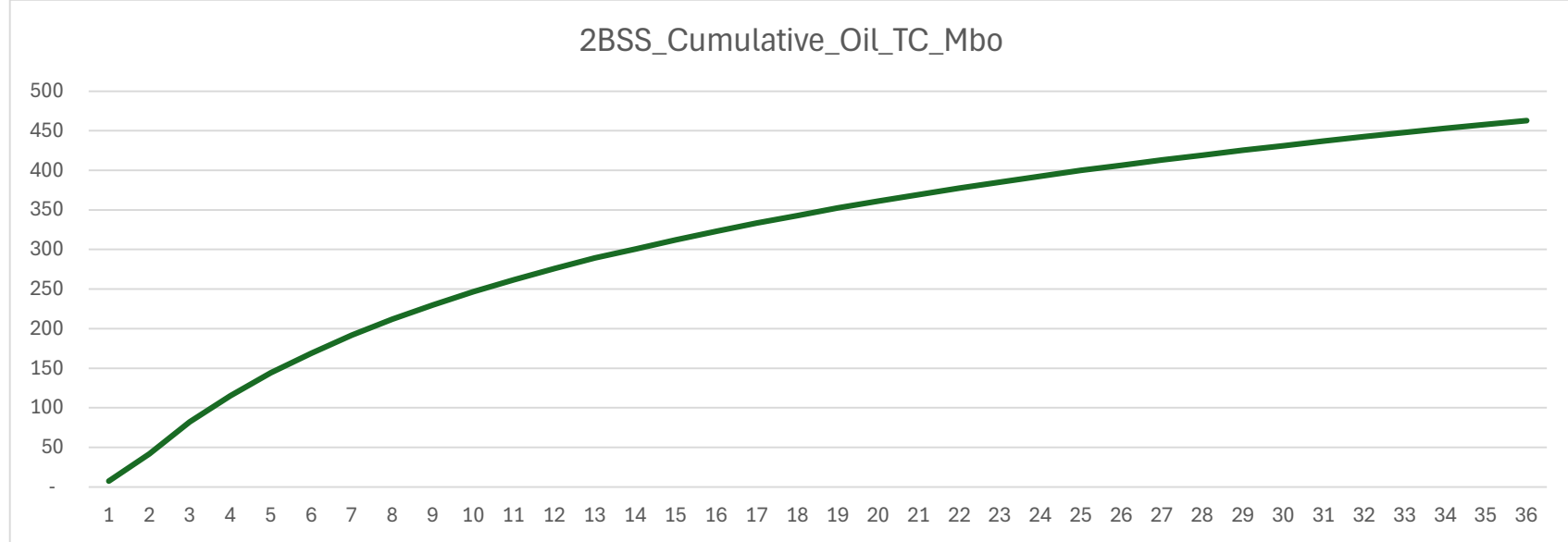
- Operator will curtail or shut in production, within reasonable limits, during upset conditions to minimize venting and flaring.
- When feasible, Operator will use equipment to capture gas that would otherwise be vented or flared.
- During completions and production operations Operator will minimize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

Waste Minimization Plan

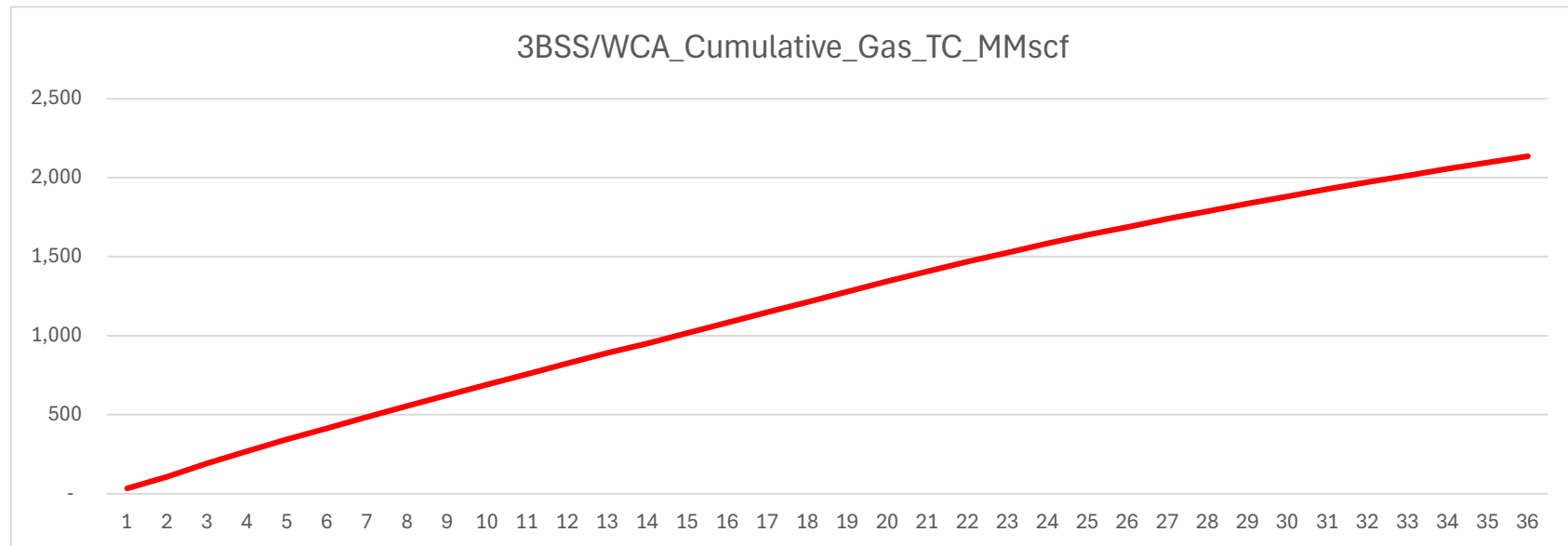
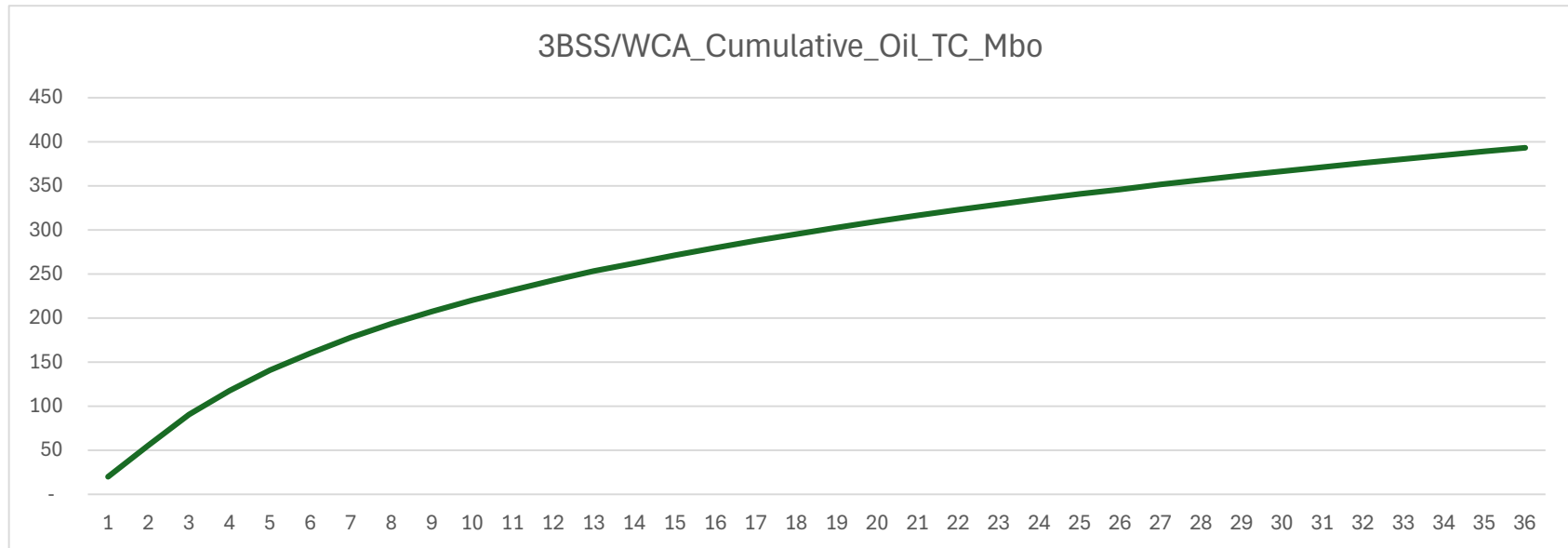
Per § 3162.3-1 Drilling applications and plans. Part J:

- (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.

Anticipated Production Decline Curve



Anticipated Production Decline Curve



Magellan WC FEE 702H

Casing and Cement

<u>String</u>	<u>Hole Size</u>	<u>Csg OD</u>	<u>PPF</u>	<u>Depth</u>	<u>Sx Cement</u>	<u>TOC</u>
Surface	12.25"	9.625"	40#	1850'	550	0'
Intermediate	8.75"	7-5/8"	29.7#	8,400'	1300	0
Production	6.75"	5.5"	23#	18,935'	950	6,500'

Well Plan

Drill 12-1/4" hole to ~1850' w/ fresh water spud mud. Run 9-5/8" 40# L80 BTC casing to TD and cement to surface in one stage.

Drill 8-3/4" hole to ~8,400' with cut brine WBM. Run 7-5/8" 29.7# P110 W513 casing to TD and cement to surface in one stage.

Drill 6-3/4" vertical hole, curve & lateral to 18,935' with OBM. Run 5-1/2" 23# P110 BTC/W441 casing from 0' – TD and cement to 6,500' in one stage.

Well Control

<u>Type</u>	<u>Working Pressure</u>	<u>Test Pressure</u>	<u>Manufacture</u>
Double Ram	5000 psi	3000 psi	StreamFlo

DELAWARE BASIN WEST

EDDY COUNTY _DBW_NM_E

MAGELLAN PROJECT

MAGELLAN WC FEE 702H

OWB

PWP1

Anticollision Report

16 October, 2025

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MAGELLAN WC FEE 702H
Project:	EDDY COUNTY_DBW_NM_E	TVD Reference:	RKB=32ft @ 3199.0usft
Reference Site:	MAGELLAN PROJECT	MD Reference:	RKB=32ft @ 3199.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MAGELLAN WC FEE 702H	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:	PWP1	Offset TVD Reference:	Offset Datum

Reference	PWP1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 100.0usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum centre distance of 1,000.0usft	Error Surface:	Combined Pedal Curve
Warning Levels Evaluated at:	2.79 Sigma	Casing Method:	Added to Error Values

Survey Tool Program		Date	10/16/2025		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	2,000.0	PWP1 (OWB)	r.5 MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + SAG + FDIR Corr.	
2,000.0	8,603.8	PWP1 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5	
8,603.8	18,934.6	PWP1 (OWB)	r.5 MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + SAG + FDIR Corr.	

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							
MAGELLAN PROJECT							
HOWARD HEMLER COM 001_PA - OWB - AWP	5,929.2	5,796.5	10.2	-197.3	0.049	STOP Drilling, CC, ES, SF	
MAGELLAN BS FEE 501H - OWB - PWP1	2,000.0	2,000.0	20.0	8.5	1.744	Caution - Monitor Closely, CC, ES, SF	
MAGELLAN WC FEE 701H - OWB - PWP1	2,000.0	2,000.0	40.0	28.5	3.487	CC, ES, SF	
ROGERS 001 - OWB - AWP	12,864.4	8,912.1	292.0	-41.7	0.875	STOP Drilling, CC, ES, SF	
SKEEN 001_PA - OWB - AWP	15,505.0	8,901.8	342.0	7.9	1.024	Take Immediate Action, CC, ES, SF	

Offset Design:	MAGELLAN PROJECT - HOWARD HEMLER COM 001_PA - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program:	200-r.5 INC-ONLY												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Rule Assigned:	No-Go	Separation	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Distance (usft)	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-1.09	866.2	-16.4	866.9					
100.0	100.0	69.0	69.0	0.8	2.2	-1.09	866.2	-16.4	866.4	862.6	3.80	228.159		
200.0	200.0	169.0	169.0	1.4	5.5	-1.09	866.2	-16.4	866.4	858.0	8.38	103.367		
300.0	300.0	269.0	269.0	1.9	7.9	-1.09	866.2	-16.4	866.4	854.5	11.85	73.098		
400.0	400.0	381.4	381.4	2.2	10.3	-1.09	866.5	-16.4	866.7	851.6	15.18	57.108		
471.8	471.8	440.9	440.8	2.5	11.9	-1.09	866.2	-16.4	866.4	848.9	17.43	49.699		
500.0	500.0	469.1	469.0	2.6	12.7	-1.09	866.2	-16.4	866.4	847.8	18.60	46.582		
600.0	600.0	569.1	569.0	2.8	15.7	-1.09	866.2	-16.4	866.4	843.6	22.74	38.105		
700.0	700.0	669.1	669.0	3.1	18.0	-1.09	866.2	-16.4	866.4	840.3	26.04	33.265		
800.0	800.0	781.5	781.4	3.3	20.4	-1.09	866.5	-16.4	866.7	837.4	29.33	29.550		
871.5	871.5	840.6	840.5	3.5	22.0	-1.09	866.2	-16.4	866.4	834.8	31.56	27.450		
900.0	900.0	869.2	869.0	3.6	22.8	-1.09	866.2	-16.4	866.4	833.6	32.74	26.461		
1,000.0	1,000.0	969.2	969.0	3.8	25.8	-1.09	866.2	-16.4	866.4	829.5	36.88	23.494		
1,100.0	1,100.0	1,069.2	1,069.0	4.0	28.2	-1.09	866.2	-16.4	866.4	826.2	40.18	21.564		
1,200.0	1,200.0	1,181.6	1,181.4	4.2	30.5	-1.09	866.5	-16.4	866.7	823.3	43.45	19.946		
1,271.1	1,271.1	1,240.4	1,240.1	4.3	32.1	-1.09	866.2	-16.4	866.4	820.7	45.67	18.970		
1,300.0	1,300.0	1,269.2	1,269.0	4.4	32.9	-1.09	866.2	-16.4	866.4	819.5	46.86	18.487		
1,400.0	1,400.0	1,369.2	1,369.0	4.6	35.9	-1.09	866.2	-16.4	866.4	815.4	51.00	16.988		
1,500.0	1,500.0	1,469.3	1,469.0	4.7	38.3	-1.09	866.2	-16.4	866.4	812.1	54.29	15.957		
1,600.0	1,600.0	1,581.7	1,581.4	4.9	40.6	-1.09	866.5	-16.4	866.7	809.2	57.57	15.056		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MAGELLAN WC FEE 702H
Project:	EDDY COUNTY_DBW_NM_E	TVD Reference:	RKB=32ft @ 3199.0usft
Reference Site:	MAGELLAN PROJECT	MD Reference:	RKB=32ft @ 3199.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MAGELLAN WC FEE 702H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: MAGELLAN PROJECT - HOWARD HEMLER COM 001_PA - OWB - AWP													Offset Site Error: 0.0 usft
Survey Program: 200-r.5 INC-ONLY													Offset Well Error: 0.0 usft
Reference	Offset	Semi Major Axis		Distance		No-Go		Separation		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
1,670.8	1,670.8	1,640.1	1,639.8	5.0	42.2	-1.09	866.2	-16.4	866.4	806.6	59.77	14.495	
1,700.0	1,700.0	1,669.3	1,669.0	5.1	43.0	-1.09	866.2	-16.4	866.4	805.4	60.98	14.207	
1,800.0	1,800.0	1,769.3	1,769.0	5.2	46.0	-1.09	866.2	-16.4	866.4	801.2	65.11	13.305	
1,900.0	1,900.0	1,869.4	1,869.0	5.4	48.4	-1.09	866.2	-16.4	866.4	797.9	68.41	12.664	
2,000.0	2,000.0	1,981.8	1,981.4	5.6	50.7	-1.09	866.5	-16.4	866.7	795.1	71.68	12.092	
2,100.0	2,100.0	2,069.4	2,069.0	5.8	53.2	-0.68	866.2	-16.4	864.6	789.5	75.10	11.512	
2,200.0	2,199.8	2,169.2	2,168.8	6.0	56.1	-0.68	866.2	-16.4	859.4	780.1	79.24	10.845	
2,300.0	2,299.5	2,268.9	2,268.5	6.3	58.5	-0.69	866.2	-16.4	850.7	768.1	82.54	10.306	
2,400.0	2,398.7	2,379.9	2,379.4	6.5	60.8	-0.71	866.5	-16.4	838.9	753.1	85.79	9.779	
2,500.0	2,497.5	2,467.0	2,466.5	6.8	63.2	-0.72	866.2	-16.4	822.8	733.7	89.17	9.227	
2,600.0	2,595.6	2,565.1	2,564.6	7.1	66.1	-0.75	866.2	-16.4	803.8	710.5	93.26	8.619	
2,700.0	2,693.0	2,662.6	2,662.0	7.4	68.4	-0.77	866.2	-16.4	781.3	684.7	96.55	8.092	
2,800.0	2,790.1	2,768.8	2,768.2	7.7	70.7	-0.80	866.7	-16.4	757.6	657.9	99.66	7.602	
2,900.0	2,887.1	2,856.7	2,856.1	8.0	73.0	-0.83	866.2	-16.4	732.9	629.9	102.95	7.119	
3,000.0	2,984.1	2,953.7	2,953.1	8.3	75.9	-0.85	866.2	-16.4	708.7	601.7	106.99	6.624	
3,100.0	3,081.2	3,050.8	3,050.2	8.7	78.3	-0.88	866.2	-16.4	684.5	574.1	110.41	6.200	
3,200.0	3,178.2	3,154.1	3,153.5	9.0	80.5	-0.92	866.8	-16.4	661.0	547.5	113.45	5.826	
3,300.0	3,275.2	3,244.9	3,244.2	9.4	82.8	-0.95	866.2	-16.4	636.1	519.4	116.68	5.452	
3,400.0	3,372.3	3,341.9	3,341.3	9.7	85.6	-0.99	866.2	-16.4	611.9	491.2	120.73	5.069	
3,500.0	3,469.3	3,439.0	3,438.3	10.1	88.2	-1.03	866.2	-16.4	587.8	463.5	124.31	4.728	
3,600.0	3,566.3	3,540.0	3,539.3	10.5	90.3	-1.07	866.9	-16.4	564.3	437.0	127.29	4.433	
3,700.0	3,663.4	3,633.1	3,632.4	10.9	92.5	-1.12	866.2	-16.4	539.4	408.9	130.45	4.135	
3,800.0	3,760.4	3,730.1	3,729.4	11.3	95.4	-1.17	866.2	-16.4	515.2	380.7	134.50	3.830	
3,900.0	3,857.4	3,827.2	3,826.4	11.7	98.0	-1.23	866.2	-16.4	491.0	352.8	138.23	3.552	
4,000.0	3,954.4	3,926.4	3,925.6	12.1	100.1	-1.29	867.0	-16.4	467.6	326.5	141.16	3.313	
4,100.0	4,051.5	4,021.3	4,020.5	12.6	102.3	-1.37	866.2	-16.4	442.6	298.4	144.24	3.069	
4,200.0	4,148.5	4,118.3	4,117.5	13.0	105.1	-1.45	866.2	-16.4	418.5	270.2	148.30	2.822 Normal Operations	
4,300.0	4,245.5	4,215.4	4,214.5	13.4	107.9	-1.53	866.2	-16.4	394.3	242.1	152.17	2.591 Normal Operations	
4,400.0	4,342.6	4,313.3	4,312.4	13.9	109.9	-1.63	867.1	-16.4	370.9	215.9	155.07	2.392 Caution - Monitor Closely	
4,500.0	4,439.6	4,409.5	4,408.6	14.3	112.0	-1.75	866.2	-16.4	345.9	187.9	158.04	2.189 Caution - Monitor Closely	
4,600.0	4,536.6	4,506.5	4,505.6	14.7	114.9	-1.88	866.2	-16.4	321.7	159.6	162.11	1.985 Caution - Monitor Closely	
4,700.0	4,633.7	4,603.6	4,602.7	15.2	117.7	-2.03	866.2	-16.4	297.5	131.4	166.13	1.791 Caution - Monitor Closely	
4,800.0	4,730.7	4,700.6	4,699.7	15.6	119.8	-2.20	867.1	-16.4	274.2	105.2	169.01	1.623 Caution - Monitor Closely	
4,900.0	4,827.7	4,802.2	4,801.2	16.1	121.9	-2.44	866.2	-16.4	249.2	77.2	171.98	1.449 Take Immediate Action	
5,000.0	4,924.7	4,894.7	4,893.7	16.5	124.7	-2.69	866.2	-16.4	225.0	49.1	175.93	1.279 Take Immediate Action	
5,100.0	5,021.8	4,991.7	4,990.8	17.0	127.5	-3.01	866.2	-16.4	200.9	20.9	179.99	1.116 Take Immediate Action	
5,200.0	5,118.8	5,088.8	5,087.8	17.5	129.6	-3.42	866.2	-16.4	176.7	-6.3	182.97	0.966 STOP Drilling	
5,300.0	5,215.8	5,188.3	5,187.2	17.9	131.7	-3.98	866.4	-16.4	152.8	-33.1	185.90	0.822 STOP Drilling	
5,400.0	5,312.9	5,282.9	5,281.9	18.4	134.4	-4.71	866.2	-16.4	128.4	-61.3	189.75	0.677 STOP Drilling	
5,500.0	5,409.9	5,379.9	5,378.9	18.8	137.3	-5.80	866.2	-16.4	104.3	-89.5	193.81	0.538 STOP Drilling	
5,600.0	5,506.9	5,477.0	5,475.9	19.3	139.5	-7.55	866.2	-16.4	80.3	-116.6	196.94	0.408 STOP Drilling	
5,700.0	5,603.9	5,574.8	5,573.7	19.8	141.5	-10.74	866.6	-16.4	56.8	-143.0	199.80	0.284 STOP Drilling	
5,800.0	5,701.0	5,671.1	5,670.0	20.2	144.2	-18.65	866.2	-16.4	32.9	-170.6	203.47	0.162 STOP Drilling	
5,900.0	5,798.0	5,768.1	5,767.0	20.7	147.0	-56.16	866.2	-16.4	12.4	-194.3	206.77	0.060 STOP Drilling	
5,929.2	5,826.3	5,796.5	5,795.3	20.8	147.9	-89.94	866.2	-16.4	10.2	-197.3	207.52	0.049 STOP Drilling, CC, ES, SF	
6,000.0	5,895.0	5,865.2	5,864.0	21.2	149.4	-148.34	866.2	-16.4	19.9	-190.6	210.58	0.095 STOP Drilling	
6,100.0	5,992.1	5,961.9	5,960.6	21.6	151.4	-165.45	866.7	-16.4	42.0	-171.7	213.72	0.197 STOP Drilling	
6,104.0	5,996.0	5,965.7	5,964.5	21.7	151.4	-165.79	866.7	-16.4	43.0	-170.8	213.83	0.201 STOP Drilling	
6,200.0	6,089.4	6,059.6	6,058.4	22.1	153.9	-170.74	866.2	-16.4	65.1	-152.3	217.42	0.300 STOP Drilling	
6,300.0	6,187.3	6,157.5	6,156.3	22.6	156.8	-172.98	866.2	-16.4	85.4	-136.1	221.53	0.386 STOP Drilling	
6,400.0	6,285.6	6,255.9	6,254.6	23.0	159.3	-174.22	866.2	-16.4	103.2	-121.8	224.98	0.459 STOP Drilling	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MAGELLAN WC FEE 702H
Project:	EDDY COUNTY_DBW_NM_E	TVD Reference:	RKB=32ft @ 3199.0usft
Reference Site:	MAGELLAN PROJECT	MD Reference:	RKB=32ft @ 3199.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MAGELLAN WC FEE 702H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: MAGELLAN PROJECT - HOWARD HEMLER COM 001_PA - OWB - AWP													Offset Site Error: 0.0 usft	
Survey Program: 200-r.5 INC-ONLY		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance			Offset Well Error: 0.0 usft		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning	
6,500.0	6,384.5	6,353.7	6,352.4	23.5	161.3	-174.96	866.8	-16.4	117.8	-110.0	227.87	0.517 STOP Drilling		
6,600.0	6,483.6	6,453.9	6,452.6	23.9	163.9	-175.49	866.2	-16.4	131.1	-100.4	231.52	0.566 STOP Drilling		
6,700.0	6,583.1	6,553.4	6,552.1	24.3	166.8	-175.82	866.2	-16.4	141.2	-94.5	235.67	0.599 STOP Drilling		
6,800.0	6,682.8	6,653.2	6,651.8	24.7	169.3	-176.04	866.2	-16.4	148.7	-90.5	239.19	0.622 STOP Drilling		
6,900.0	6,782.7	6,751.7	6,750.4	25.0	171.4	-176.16	866.8	-16.4	153.0	-89.1	242.08	0.632 STOP Drilling		
7,000.0	6,882.7	6,853.1	6,851.7	25.3	174.0	-176.23	866.2	-16.4	155.9	-89.8	245.72	0.634 STOP Drilling		
7,037.3	6,920.0	6,890.4	6,889.0	25.3	175.1	-176.65	866.2	-16.4	156.1	-91.2	247.25	0.631 STOP Drilling		
7,100.0	6,982.7	6,953.1	6,951.7	25.4	176.9	-176.65	866.2	-16.4	156.1	-93.8	249.82	0.625 STOP Drilling		
7,200.0	7,082.7	7,053.1	7,051.7	25.4	179.4	-176.65	866.2	-16.4	156.1	-97.2	253.29	0.616 STOP Drilling		
7,250.6	7,133.3	7,103.7	7,102.2	25.4	180.5	-176.63	867.1	-16.4	155.2	-99.5	254.75	0.609 STOP Drilling		
7,300.0	7,182.7	7,151.7	7,150.3	25.4	181.5	-176.63	866.8	-16.4	155.4	-100.7	256.12	0.607 STOP Drilling		
7,400.0	7,282.7	7,253.2	7,251.7	25.5	184.1	-176.65	866.2	-16.4	156.1	-103.6	259.71	0.601 STOP Drilling		
7,500.0	7,382.7	7,353.2	7,351.7	25.5	187.0	-176.65	866.2	-16.4	156.1	-107.8	263.82	0.592 STOP Drilling		
7,600.0	7,482.7	7,453.2	7,451.7	25.6	189.5	-176.65	866.2	-16.4	156.1	-111.2	267.29	0.584 STOP Drilling		
7,650.6	7,533.3	7,503.7	7,502.2	25.6	190.6	-176.63	867.1	-16.4	155.2	-113.5	268.75	0.577 STOP Drilling		
7,700.0	7,582.7	7,551.8	7,550.3	25.6	191.6	-176.63	866.8	-16.4	155.4	-114.7	270.12	0.575 STOP Drilling		
7,800.0	7,682.7	7,653.2	7,651.7	25.6	194.2	-176.65	866.2	-16.4	156.1	-117.7	273.72	0.570 STOP Drilling		
7,900.0	7,782.7	7,753.2	7,751.7	25.7	197.1	-176.65	866.2	-16.4	156.1	-121.8	277.83	0.562 STOP Drilling		
8,000.0	7,882.7	7,853.3	7,851.7	25.7	199.6	-176.65	866.2	-16.4	156.1	-125.2	281.30	0.555 STOP Drilling		
8,050.6	7,933.3	7,903.8	7,902.2	25.8	200.7	-176.63	867.1	-16.4	155.2	-127.6	282.76	0.549 STOP Drilling		
8,100.0	7,982.7	7,951.9	7,950.3	25.8	201.7	-176.63	866.8	-16.4	155.4	-128.7	284.13	0.547 STOP Drilling		
8,200.0	8,082.7	8,053.3	8,051.7	25.8	204.3	-176.65	866.2	-16.4	156.1	-131.7	287.74	0.542 STOP Drilling		
8,300.0	8,182.7	8,153.3	8,151.7	25.9	207.2	-176.65	866.2	-16.4	156.1	-135.8	291.85	0.535 STOP Drilling		
8,400.0	8,282.7	8,253.4	8,251.7	25.9	209.7	-176.65	866.2	-16.4	156.1	-139.3	295.32	0.528 STOP Drilling		
8,450.6	8,333.3	8,303.8	8,302.1	25.9	210.8	-176.63	867.1	-16.4	155.2	-141.6	296.78	0.523 STOP Drilling		
8,500.0	8,382.7	8,352.0	8,350.3	26.0	211.8	-176.63	866.8	-16.4	155.4	-142.7	298.16	0.521 STOP Drilling		
8,600.0	8,482.7	8,453.4	8,451.7	26.0	214.4	-176.65	866.2	-16.4	156.1	-145.7	301.76	0.517 STOP Drilling		
8,603.8	8,486.5	8,457.2	8,455.5	26.0	214.5	-176.65	866.2	-16.4	156.1	-145.9	301.92	0.517 STOP Drilling		
8,625.0	8,507.7	8,478.4	8,476.7	26.0	215.1	93.65	866.2	-16.4	156.1	-146.7	302.79	0.516 STOP Drilling		
8,650.0	8,532.6	8,503.3	8,501.6	26.0	215.9	94.28	866.2	-16.4	156.2	-147.6	303.81	0.514 STOP Drilling		
8,675.0	8,557.4	8,528.1	8,526.4	26.0	216.6	95.36	866.2	-16.4	156.5	-148.3	304.83	0.513 STOP Drilling		
8,700.0	8,582.0	8,552.7	8,551.0	26.0	217.3	96.86	866.2	-16.4	156.9	-148.9	305.83	0.513 STOP Drilling		
8,725.0	8,606.4	8,577.1	8,575.4	26.0	218.1	98.75	866.2	-16.4	157.7	-149.1	306.82	0.514 STOP Drilling		
8,750.0	8,630.4	8,601.2	8,599.4	26.0	218.8	100.97	866.2	-16.4	159.0	-148.8	307.77	0.517 STOP Drilling		
8,775.0	8,654.0	8,624.8	8,623.0	26.0	219.3	103.46	866.2	-16.4	160.8	-147.6	308.42	0.521 STOP Drilling		
8,800.0	8,677.2	8,648.0	8,646.2	26.0	219.7	106.15	866.2	-16.4	163.4	-145.7	309.05	0.529 STOP Drilling		
8,825.0	8,699.9	8,670.6	8,668.9	26.0	220.2	108.95	866.2	-16.4	166.9	-142.8	309.65	0.539 STOP Drilling		
8,850.0	8,721.9	8,692.7	8,690.9	26.0	220.7	111.78	866.2	-16.4	171.4	-138.8	310.22	0.553 STOP Drilling		
8,875.0	8,743.3	8,713.7	8,712.0	26.0	221.1	114.61	867.1	-16.4	176.4	-134.3	310.75	0.568 STOP Drilling		
8,900.0	8,764.1	8,733.9	8,732.1	26.0	221.5	117.17	867.0	-16.4	183.6	-127.6	311.25	0.590 STOP Drilling		
8,925.0	8,784.0	8,753.4	8,751.6	26.0	221.9	119.52	866.8	-16.4	192.2	-119.5	311.72	0.617 STOP Drilling		
8,950.0	8,803.2	8,772.0	8,770.2	26.0	222.3	121.63	866.6	-16.4	202.3	-109.9	312.16	0.648 STOP Drilling		
8,975.0	8,821.4	8,789.8	8,788.0	26.0	222.7	123.46	866.4	-16.4	213.8	-98.8	312.59	0.684 STOP Drilling		
9,000.0	8,838.8	8,809.6	8,807.8	26.1	223.2	125.50	866.2	-16.4	226.6	-86.6	313.22	0.724 STOP Drilling		
9,025.0	8,855.2	8,825.9	8,824.2	26.1	223.7	126.82	866.2	-16.4	240.7	-73.1	313.82	0.767 STOP Drilling		
9,050.0	8,870.5	8,841.3	8,839.5	26.1	224.1	127.78	866.2	-16.4	256.0	-58.4	314.39	0.814 STOP Drilling		
9,075.0	8,884.9	8,855.7	8,853.9	26.1	224.6	128.37	866.2	-16.4	272.6	-42.3	314.92	0.866 STOP Drilling		
9,100.0	8,898.1	8,868.9	8,867.1	26.1	225.0	128.55	866.2	-16.4	290.2	-25.2	315.42	0.920 STOP Drilling		
9,125.0	8,910.2	8,881.0	8,879.2	26.1	225.3	128.30	866.2	-16.4	308.9	-7.0	315.87	0.978 STOP Drilling		
9,150.0	8,921.1	8,891.9	8,890.1	26.2	225.6	127.55	866.2	-16.4	328.5	12.2	316.28	1.039 Take Immediate Action		
9,175.0	8,930.9	8,901.7	8,899.9	26.2	225.9	126.26	866.2	-16.4	349.0	32.3	316.65	1.102 Take Immediate Action		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MAGELLAN WC FEE 702H
Project:	EDDY COUNTY_DBW_NM_E	TVD Reference:	RKB=32ft @ 3199.0usft
Reference Site:	MAGELLAN PROJECT	MD Reference:	RKB=32ft @ 3199.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MAGELLAN WC FEE 702H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: MAGELLAN PROJECT - HOWARD HEMLER COM 001_PA - OWB - AWP													Offset Site Error: 0.0 usft
Survey Program: 200-r.5 INC-ONLY													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)			
9,200.0	8,939.4	8,910.2	8,908.4	26.2	226.2	124.31	866.2	-16.4	370.1	53.2	316.97	1.168	Take Immediate Action
9,225.0	8,946.7	8,917.5	8,915.7	26.3	226.4	121.61	866.2	-16.4	391.9	74.7	317.25	1.235	Take Immediate Action
9,250.0	8,952.8	8,923.5	8,921.8	26.3	226.6	118.00	866.2	-16.4	414.3	96.8	317.47	1.305	Take Immediate Action
9,275.0	8,957.5	8,928.3	8,926.5	26.3	226.7	113.32	866.2	-16.4	437.2	119.5	317.65	1.376	Take Immediate Action
9,300.0	8,961.0	8,931.8	8,930.0	26.4	226.8	107.38	866.2	-16.4	460.4	142.6	317.78	1.449	Take Immediate Action
9,325.0	8,963.1	8,933.9	8,932.1	26.4	226.9	100.07	866.2	-16.4	483.9	166.0	317.85	1.522	Caution - Monitor Closely
9,350.0	8,964.0	8,934.8	8,933.0	26.5	226.9	91.43	866.2	-16.4	507.6	189.7	317.88	1.597	Caution - Monitor Closely
9,353.8	8,964.0	8,934.8	8,933.0	26.5	226.9	90.00	866.2	-16.4	511.3	193.4	317.87	1.608	Caution - Monitor Closely
9,400.0	8,964.0	8,934.8	8,933.0	26.6	226.9	90.00	866.2	-16.4	555.4	237.5	317.86	1.747	Caution - Monitor Closely
9,500.0	8,964.0	8,934.8	8,933.0	26.8	226.9	90.00	866.2	-16.4	652.0	334.2	317.83	2.051	Caution - Monitor Closely
9,600.0	8,964.0	8,934.8	8,933.0	27.1	226.9	90.00	866.2	-16.4	749.5	431.7	317.81	2.358	Caution - Monitor Closely
9,700.0	8,964.0	8,934.8	8,933.0	27.5	226.9	90.00	866.2	-16.4	847.5	529.7	317.80	2.667	Normal Operations
9,800.0	8,964.0	8,934.8	8,933.0	27.9	226.9	90.00	866.2	-16.4	946.0	628.2	317.79	2.977	Normal Operations

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MAGELLAN WC FEE 702H
Project:	EDDY COUNTY_DBW_NM_E	TVD Reference:	RKB=32ft @ 3199.0usft
Reference Site:	MAGELLAN PROJECT	MD Reference:	RKB=32ft @ 3199.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MAGELLAN WC FEE 702H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: MAGELLAN PROJECT - MAGELLAN BS FEE 501H - OWB - PWP1													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 7409-r.5 MWD+IFR1+SAG+FDIR													Offset Well Error: 0.0 usft
Reference	Offset	Semi Major Axis	Offset Wellbore Centre	Distance	No-Go	Separation	Rule Assigned:						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Distance (usft)	Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-179.86	-20.0	0.0	20.0				
100.0	100.0	100.0	100.0	0.8	0.8	-179.86	-20.0	0.0	20.0	18.0	2.02	9.889	
200.0	200.0	200.0	200.0	1.4	1.4	-179.86	-20.0	0.0	20.0	16.7	3.34	5.983	
300.0	300.0	300.0	300.0	1.9	1.9	-179.86	-20.0	0.0	20.0	15.8	4.23	4.732	
400.0	400.0	400.0	400.0	2.2	2.2	-179.86	-20.0	0.0	20.0	15.1	4.94	4.046	
500.0	500.0	500.0	500.0	2.6	2.6	-179.86	-20.0	0.0	20.0	14.4	5.56	3.594	
600.0	600.0	600.0	600.0	2.8	2.8	-179.86	-20.0	0.0	20.0	13.9	6.12	3.267	
700.0	700.0	700.0	700.0	3.1	3.1	-179.86	-20.0	0.0	20.0	13.4	6.63	3.015	
800.0	800.0	800.0	800.0	3.3	3.3	-179.86	-20.0	0.0	20.0	12.9	7.11	2.814	Normal Operations
900.0	900.0	900.0	900.0	3.6	3.6	-179.86	-20.0	0.0	20.0	12.4	7.55	2.647	Normal Operations
1,000.0	1,000.0	1,000.0	1,000.0	3.8	3.8	-179.86	-20.0	0.0	20.0	12.0	7.98	2.507	Normal Operations
1,100.0	1,100.0	1,100.0	1,100.0	4.0	4.0	-179.86	-20.0	0.0	20.0	11.6	8.38	2.386	Caution - Monitor Closely
1,200.0	1,200.0	1,200.0	1,200.0	4.2	4.2	-179.86	-20.0	0.0	20.0	11.2	8.77	2.280	Caution - Monitor Closely
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	-179.86	-20.0	0.0	20.0	10.9	9.14	2.187	Caution - Monitor Closely
1,400.0	1,400.0	1,400.0	1,400.0	4.6	4.6	-179.86	-20.0	0.0	20.0	10.5	9.50	2.104	Caution - Monitor Closely
1,500.0	1,500.0	1,500.0	1,500.0	4.7	4.7	-179.86	-20.0	0.0	20.0	10.1	9.85	2.030	Caution - Monitor Closely
1,600.0	1,600.0	1,600.0	1,600.0	4.9	4.9	-179.86	-20.0	0.0	20.0	9.8	10.19	1.962	Caution - Monitor Closely
1,700.0	1,700.0	1,700.0	1,700.0	5.1	5.1	-179.86	-20.0	0.0	20.0	9.5	10.52	1.900	Caution - Monitor Closely
1,800.0	1,800.0	1,800.0	1,800.0	5.2	5.2	-179.86	-20.0	0.0	20.0	9.2	10.85	1.844	Caution - Monitor Closely
1,900.0	1,900.0	1,900.0	1,900.0	5.4	5.4	-179.86	-20.0	0.0	20.0	8.8	11.16	1.792	Caution - Monitor Closely
2,000.0	2,000.0	2,000.0	2,000.0	5.6	5.6	-179.86	-20.0	0.0	20.0	8.5	11.47	1.744	Caution - Monitor Closely, CC, ES, SF
2,100.0	2,100.0	2,100.2	2,100.2	5.8	5.7	-176.42	-19.3	-1.2	21.1	9.3	11.85	1.781	Caution - Monitor Closely
2,200.0	2,199.8	2,200.4	2,200.3	6.0	5.9	-169.06	-17.3	-4.6	24.7	12.5	12.19	2.025	Caution - Monitor Closely
2,300.0	2,299.5	2,300.3	2,300.0	6.3	6.1	-160.78	-13.9	-10.2	31.3	18.8	12.53	2.496	Caution - Monitor Closely
2,400.0	2,398.7	2,399.8	2,399.1	6.5	6.3	-153.81	-9.2	-18.0	41.2	28.3	12.86	3.200	
2,500.0	2,497.5	2,498.9	2,497.5	6.8	6.6	-148.63	-3.2	-27.9	54.3	41.1	13.20	4.117	
2,600.0	2,595.6	2,597.5	2,595.2	7.1	6.7	-145.34	3.7	-39.6	70.7	57.2	13.49	5.240	
2,700.0	2,693.0	2,695.6	2,692.3	7.4	7.0	-144.43	10.8	-51.3	89.9	76.1	13.87	6.483	
2,800.0	2,790.1	2,793.5	2,789.2	7.7	7.2	-144.52	17.8	-63.0	110.6	96.4	14.24	7.768	
2,900.0	2,887.1	2,891.3	2,886.1	8.0	7.5	-144.58	24.8	-74.6	131.3	116.7	14.63	8.977	
3,000.0	2,984.1	2,989.2	2,983.0	8.3	7.8	-144.63	31.8	-86.3	152.0	136.9	15.03	10.113	
3,100.0	3,081.2	3,087.0	3,079.9	8.7	8.1	-144.67	38.8	-98.0	172.6	157.2	15.44	11.179	
3,200.0	3,178.2	3,184.8	3,176.8	9.0	8.4	-144.70	45.8	-109.6	193.3	177.4	15.87	12.178	
3,300.0	3,275.2	3,282.7	3,273.7	9.4	8.7	-144.72	52.8	-121.3	214.0	197.7	16.32	13.114	
3,400.0	3,372.3	3,380.5	3,370.5	9.7	9.0	-144.74	59.9	-133.0	234.7	217.9	16.77	13.990	
3,500.0	3,469.3	3,478.4	3,467.4	10.1	9.4	-144.75	66.9	-144.7	255.3	238.1	17.24	14.811	
3,600.0	3,566.3	3,576.2	3,564.3	10.5	9.7	-144.77	73.9	-156.3	276.0	258.3	17.72	15.579	
3,700.0	3,663.4	3,674.0	3,661.2	10.9	10.1	-144.78	80.9	-168.0	296.7	278.5	18.20	16.298	
3,800.0	3,760.4	3,771.9	3,758.1	11.3	10.4	-144.79	87.9	-179.7	317.4	298.7	18.70	16.972	
3,900.0	3,857.4	3,869.8	3,855.1	11.7	10.7	-144.80	94.9	-191.3	338.0	318.9	19.17	17.633	
4,000.0	3,954.4	3,967.9	3,952.4	12.1	11.1	-145.01	101.3	-202.0	358.6	339.0	19.68	18.224	
4,100.0	4,051.5	4,066.0	4,049.9	12.6	11.4	-145.46	106.8	-211.2	379.2	359.0	20.22	18.752	
4,200.0	4,148.5	4,164.1	4,147.5	13.0	11.8	-146.10	111.5	-219.0	399.7	378.9	20.78	19.233	
4,300.0	4,245.5	4,261.9	4,245.1	13.4	12.1	-146.91	115.3	-225.3	420.2	398.9	21.36	19.671	
4,400.0	4,342.6	4,359.6	4,342.6	13.9	12.4	-147.87	118.3	-230.3	440.8	418.8	21.96	20.072	
4,500.0	4,439.6	4,457.0	4,439.9	14.3	12.7	-148.95	120.4	-233.7	461.5	439.0	22.58	20.441	
4,600.0	4,536.6	4,554.0	4,536.9	14.7	13.0	-150.13	121.6	-235.8	482.5	459.3	23.22	20.782	
4,700.0	4,633.7	4,650.8	4,633.7	15.2	13.2	-151.40	122.0	-236.4	503.7	479.9	23.85	21.119	
4,800.0	4,730.7	4,747.8	4,730.7	15.6	13.2	-152.65	122.0	-236.4	525.2	500.7	24.50	21.439	
4,900.0	4,827.7	4,844.8	4,827.7	16.1	13.3	-153.81	122.0	-236.4	546.9	521.8	25.16	21.735	
5,000.0	4,924.7	4,941.9	4,924.7	16.5	13.3	-154.88	122.0	-236.4	568.9	543.0	25.83	22.020	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MAGELLAN WC FEE 702H
Project:	EDDY COUNTY_DBW_NM_E	TVD Reference:	RKB=32ft @ 3199.0usft
Reference Site:	MAGELLAN PROJECT	MD Reference:	RKB=32ft @ 3199.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MAGELLAN WC FEE 702H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: MAGELLAN PROJECT - MAGELLAN BS FEE 501H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 7409-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
5,100.0	5,021.8	5,038.9	5,021.8	17.0	13.4	-155.87	122.0	-236.4	591.0	564.5	26.51	22.296	
5,200.0	5,118.8	5,135.9	5,118.8	17.5	13.5	-156.79	122.0	-236.4	613.2	586.1	27.18	22.563	
5,300.0	5,215.8	5,232.9	5,215.8	17.9	13.5	-157.65	122.0	-236.4	635.6	607.8	27.85	22.821	
5,400.0	5,312.9	5,330.0	5,312.9	18.4	13.6	-158.45	122.0	-236.4	658.2	629.6	28.53	23.071	
5,500.0	5,409.9	5,427.0	5,409.9	18.8	13.6	-159.19	122.0	-236.4	680.8	651.6	29.20	23.313	
5,600.0	5,506.9	5,524.0	5,506.9	19.3	13.7	-159.89	122.0	-236.4	703.6	673.7	29.88	23.547	
5,700.0	5,603.9	5,621.1	5,603.9	19.8	13.8	-160.54	122.0	-236.4	726.4	695.8	30.56	23.773	
5,800.0	5,701.0	5,718.1	5,701.0	20.2	13.8	-161.16	122.0	-236.4	749.3	718.1	31.23	23.992	
5,900.0	5,798.0	5,815.1	5,798.0	20.7	13.9	-161.73	122.0	-236.4	772.3	740.4	31.91	24.204	
6,000.0	5,895.0	5,912.2	5,895.0	21.2	14.0	-162.28	122.0	-236.4	795.4	762.8	32.59	24.410	
6,100.0	5,992.1	6,009.2	5,992.1	21.6	14.0	-162.79	122.0	-236.4	818.5	785.3	33.27	24.606	
6,104.0	5,996.0	6,013.1	5,996.0	21.7	14.0	-162.81	122.0	-236.4	819.5	786.2	33.29	24.614	
6,200.0	6,089.4	6,106.5	6,089.4	22.1	14.1	-163.35	122.0	-236.4	840.6	806.7	33.94	24.767	
6,300.0	6,187.3	6,204.4	6,187.3	22.6	14.1	-163.82	122.0	-236.4	860.3	825.7	34.60	24.863	
6,400.0	6,285.6	6,302.8	6,285.6	23.0	14.2	-164.22	122.0	-236.4	877.5	842.3	35.24	24.900	
6,500.0	6,384.5	6,401.6	6,384.5	23.5	14.3	-164.55	122.0	-236.4	892.3	856.4	35.86	24.883	
6,600.0	6,483.6	6,500.8	6,483.6	23.9	14.3	-164.81	122.0	-236.4	904.5	868.1	36.45	24.816	
6,700.0	6,583.1	6,600.2	6,583.1	24.3	14.4	-165.01	122.0	-236.4	914.3	877.3	37.01	24.704	
6,800.0	6,682.8	6,700.0	6,682.8	24.7	14.5	-165.16	122.0	-236.4	921.6	884.0	37.54	24.551	
6,900.0	6,782.7	6,799.8	6,782.7	25.0	14.5	-165.26	122.0	-236.4	926.3	888.3	38.01	24.367	
7,000.0	6,882.7	6,899.8	6,882.7	25.3	14.6	-165.30	122.0	-236.4	928.5	890.1	38.42	24.170	
7,037.3	6,920.0	6,937.1	6,920.0	25.3	14.6	-165.72	122.0	-236.4	928.7	890.2	38.49	24.129	
7,100.0	6,982.7	6,999.8	6,982.7	25.4	14.7	-165.72	122.0	-236.4	928.7	890.2	38.54	24.095	
7,200.0	7,082.7	7,099.8	7,082.7	25.4	14.7	-165.72	122.0	-236.4	928.7	890.1	38.65	24.029	
7,300.0	7,182.7	7,199.8	7,182.7	25.4	14.8	-165.72	122.0	-236.4	928.7	890.0	38.75	23.964	
7,400.0	7,282.7	7,299.8	7,282.7	25.5	14.9	-165.72	122.0	-236.4	928.7	889.8	38.86	23.899	
7,500.0	7,382.7	7,399.8	7,382.7	25.5	14.9	-165.72	122.0	-236.4	928.7	889.7	38.96	23.835	
7,600.0	7,482.7	7,577.9	7,557.3	25.6	15.0	-167.50	122.1	-206.8	924.8	885.2	39.61	23.345	
7,700.0	7,582.7	7,723.8	7,684.3	25.6	15.1	-171.85	122.2	-136.2	914.6	874.4	40.21	22.748	
7,800.0	7,682.7	7,823.4	7,756.1	25.6	15.1	-176.18	122.4	-67.3	904.6	864.1	40.50	22.334	
7,900.0	7,782.7	7,890.3	7,795.6	25.7	15.2	-179.61	122.5	-13.4	899.6	859.1	40.46	22.233	
7,917.9	7,800.6	7,899.8	7,800.6	25.7	15.2	179.87	122.5	-5.3	899.5	859.1	40.42	22.253	
8,000.0	7,882.7	7,936.7	7,818.3	25.7	15.2	177.82	122.6	27.0	902.4	862.3	40.10	22.503	
8,100.0	7,982.7	7,970.1	7,832.3	25.8	15.3	175.88	122.7	57.4	914.1	874.7	39.45	23.170	
8,200.0	8,082.7	7,995.2	7,841.3	25.8	15.3	174.41	122.7	80.7	935.3	896.7	38.60	24.232	
8,300.0	8,182.7	8,014.5	7,847.4	25.9	15.3	173.25	122.8	99.1	965.6	928.0	37.61	25.672	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MAGELLAN WC FEE 702H
Project:	EDDY COUNTY_DBW_NM_E	TVD Reference:	RKB=32ft @ 3199.0usft
Reference Site:	MAGELLAN PROJECT	MD Reference:	RKB=32ft @ 3199.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MAGELLAN WC FEE 702H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: MAGELLAN PROJECT - MAGELLAN WC FEE 701H - OWB - PWP1													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 8504-r.5 MWD+IFR1+SAG+FDIR													Offset Well Error: 0.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-179.84	-40.0	-0.1	40.0				
100.0	100.0	100.0	100.0	0.8	0.8	-179.84	-40.0	-0.1	40.0	38.0	2.02	19.778	
200.0	200.0	200.0	200.0	1.4	1.4	-179.84	-40.0	-0.1	40.0	36.7	3.34	11.966	
300.0	300.0	300.0	300.0	1.9	1.9	-179.84	-40.0	-0.1	40.0	35.8	4.23	9.464	
400.0	400.0	400.0	400.0	2.2	2.2	-179.84	-40.0	-0.1	40.0	35.1	4.94	8.092	
500.0	500.0	500.0	500.0	2.6	2.6	-179.84	-40.0	-0.1	40.0	34.4	5.56	7.189	
600.0	600.0	600.0	600.0	2.8	2.8	-179.84	-40.0	-0.1	40.0	33.9	6.12	6.534	
700.0	700.0	700.0	700.0	3.1	3.1	-179.84	-40.0	-0.1	40.0	33.4	6.63	6.031	
800.0	800.0	800.0	800.0	3.3	3.3	-179.84	-40.0	-0.1	40.0	32.9	7.11	5.628	
900.0	900.0	900.0	900.0	3.6	3.6	-179.84	-40.0	-0.1	40.0	32.4	7.55	5.295	
1,000.0	1,000.0	1,000.0	1,000.0	3.8	3.8	-179.84	-40.0	-0.1	40.0	32.0	7.98	5.013	
1,100.0	1,100.0	1,100.0	1,100.0	4.0	4.0	-179.84	-40.0	-0.1	40.0	31.6	8.38	4.772	
1,200.0	1,200.0	1,200.0	1,200.0	4.2	4.2	-179.84	-40.0	-0.1	40.0	31.2	8.77	4.561	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	-179.84	-40.0	-0.1	40.0	30.9	9.14	4.375	
1,400.0	1,400.0	1,400.0	1,400.0	4.6	4.6	-179.84	-40.0	-0.1	40.0	30.5	9.50	4.209	
1,500.0	1,500.0	1,500.0	1,500.0	4.7	4.7	-179.84	-40.0	-0.1	40.0	30.1	9.85	4.059	
1,600.0	1,600.0	1,600.0	1,600.0	4.9	4.9	-179.84	-40.0	-0.1	40.0	29.8	10.19	3.924	
1,700.0	1,700.0	1,700.0	1,700.0	5.1	5.1	-179.84	-40.0	-0.1	40.0	29.5	10.52	3.801	
1,800.0	1,800.0	1,800.0	1,800.0	5.2	5.2	-179.84	-40.0	-0.1	40.0	29.2	10.85	3.688	
1,900.0	1,900.0	1,900.0	1,900.0	5.4	5.4	-179.84	-40.0	-0.1	40.0	28.8	11.16	3.584	
2,000.0	2,000.0	2,000.0	2,000.0	5.6	5.6	-179.84	-40.0	-0.1	40.0	28.5	11.47	3.487 CC, ES, SF	
2,100.0	2,100.0	2,098.5	2,098.5	5.8	5.8	-179.40	-41.7	-0.2	43.5	31.5	11.92	3.647	
2,200.0	2,199.8	2,196.3	2,196.2	6.0	6.0	-179.34	-46.7	-0.3	53.8	41.5	12.35	4.359	
2,300.0	2,299.5	2,292.7	2,292.2	6.3	6.2	-179.28	-54.9	-0.5	71.0	58.2	12.79	5.550	
2,400.0	2,398.7	2,387.1	2,385.9	6.5	6.5	-179.22	-66.1	-0.8	94.9	81.6	13.26	7.154	
2,500.0	2,497.5	2,478.9	2,476.6	6.8	6.7	-179.18	-79.9	-1.1	125.2	111.4	13.74	9.110	
2,600.0	2,595.6	2,571.3	2,567.7	7.1	7.0	-179.16	-95.9	-1.5	160.9	146.7	14.24	11.301	
2,700.0	2,693.0	2,663.3	2,658.3	7.4	7.2	-179.15	-111.9	-1.9	200.0	185.2	14.77	13.540	
2,800.0	2,790.1	2,754.7	2,748.3	7.7	7.4	-179.16	-127.7	-2.3	240.7	225.4	15.27	15.758	
2,900.0	2,887.1	2,846.1	2,838.3	8.0	7.7	-179.17	-143.6	-2.7	281.3	265.5	15.80	17.801	
3,000.0	2,984.1	2,937.4	2,928.2	8.3	8.0	-179.18	-159.5	-3.1	322.0	305.6	16.37	19.675	
3,100.0	3,081.2	3,028.8	3,018.2	8.7	8.2	-179.18	-175.3	-3.5	362.7	345.7	16.96	21.389	
3,200.0	3,178.2	3,120.2	3,108.3	9.0	8.5	-179.18	-191.2	-3.9	403.4	385.8	17.56	22.973	
3,300.0	3,275.2	3,219.2	3,205.9	9.4	8.8	-179.19	-207.5	-4.3	443.2	425.0	18.25	24.279	
3,400.0	3,372.3	3,319.8	3,305.3	9.7	9.2	-179.20	-222.4	-4.7	481.5	462.5	18.98	25.370	
3,500.0	3,469.3	3,421.7	3,406.4	10.1	9.5	-179.21	-235.6	-5.0	518.1	498.4	19.72	26.276	
3,600.0	3,566.3	3,525.1	3,509.1	10.5	9.9	-179.22	-247.3	-5.3	553.0	532.6	20.47	27.019	
3,700.0	3,663.4	3,629.8	3,613.4	10.9	10.2	-179.24	-257.1	-5.5	586.3	565.1	21.23	27.619	
3,800.0	3,760.4	3,735.8	3,719.1	11.3	10.5	-179.26	-265.2	-5.7	617.8	595.8	21.99	28.096	
3,900.0	3,857.4	3,843.2	3,826.3	11.7	10.9	-179.28	-271.4	-5.9	647.5	624.8	22.75	28.467	
4,000.0	3,954.4	3,951.7	3,934.7	12.1	11.2	-179.30	-275.6	-6.0	675.4	651.9	23.49	28.754	
4,100.0	4,051.5	4,061.4	4,044.4	12.6	11.4	-179.32	-277.7	-6.0	701.5	677.3	24.20	28.986	
4,200.0	4,148.5	4,165.5	4,148.5	13.0	11.6	-179.35	-278.0	-6.0	726.0	701.2	24.77	29.309	
4,300.0	4,245.5	4,262.5	4,245.5	13.4	11.6	-179.37	-278.0	-6.0	750.2	724.9	25.27	29.688	
4,400.0	4,342.6	4,359.6	4,342.6	13.9	11.7	-179.39	-278.0	-6.0	774.3	748.6	25.78	30.041	
4,500.0	4,439.6	4,456.6	4,439.6	14.3	11.7	-179.41	-278.0	-6.0	798.5	772.2	26.29	30.369	
4,600.0	4,536.6	4,553.6	4,536.6	14.7	11.8	-179.42	-278.0	-6.0	822.7	795.9	26.82	30.676	
4,700.0	4,633.7	4,650.7	4,633.7	15.2	11.8	-179.44	-278.0	-6.0	846.9	819.6	27.35	30.962	
4,800.0	4,730.7	4,747.7	4,730.7	15.6	11.9	-179.45	-278.0	-6.0	871.1	843.2	27.89	31.229	
4,900.0	4,827.7	4,844.7	4,827.7	16.1	11.9	-179.47	-278.0	-6.0	895.3	866.8	28.44	31.478	
5,000.0	4,924.7	4,941.8	4,924.7	16.5	12.0	-179.48	-278.0	-6.0	919.5	890.5	29.00	31.711	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MAGELLAN WC FEE 702H
Project:	EDDY COUNTY _DBW_NM_E	TVD Reference:	RKB=32ft @ 3199.0usft
Reference Site:	MAGELLAN PROJECT	MD Reference:	RKB=32ft @ 3199.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MAGELLAN WC FEE 702H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design:		MAGELLAN PROJECT - MAGELLAN WC FEE 701H - OWB - PWP1											Offset Site Error:		0.0 usft	
Survey Program:		0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 8504-r.5 MWD+IFR1+SAG+FDIR											Offset Well Error:		0.0 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned:				Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor				
5,100.0	5,021.8	5,038.8	5,021.8	17.0	12.0	-179.50	-278.0	-6.0	943.7	914.1	29.56	31.928				
5,200.0	5,118.8	5,135.8	5,118.8	17.5	12.1	-179.51	-278.0	-6.0	967.9	937.7	30.12	32.132				
5,300.0	5,215.8	5,232.8	5,215.8	17.9	12.1	-179.52	-278.0	-6.0	992.1	961.4	30.69	32.322				

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MAGELLAN WC FEE 702H
Project:	EDDY COUNTY_DBW_NM_E	TVD Reference:	RKB=32ft @ 3199.0usft
Reference Site:	MAGELLAN PROJECT	MD Reference:	RKB=32ft @ 3199.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MAGELLAN WC FEE 702H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: MAGELLAN PROJECT - ROGERS 001 - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 320-r.5 INC-ONLY												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)			
12,000.0	8,964.0	8,912.1	8,908.0	43.4	233.2	90.00	739.0	3,981.4	912.4	585.1	327.34	2.787	Normal Operations
12,100.0	8,964.0	8,912.1	8,908.0	44.3	233.2	90.00	739.0	3,981.4	818.3	490.8	327.52	2.499	Caution - Monitor Closely
12,200.0	8,964.0	8,912.1	8,908.0	45.2	233.2	90.00	739.0	3,981.4	725.8	398.0	327.77	2.214	Caution - Monitor Closely
12,300.0	8,964.0	8,912.1	8,908.0	46.2	233.2	90.00	739.0	3,981.4	635.5	307.4	328.11	1.937	Caution - Monitor Closely
12,400.0	8,964.0	8,912.1	8,908.0	47.1	233.2	90.00	739.0	3,981.4	548.6	220.0	328.62	1.669	Caution - Monitor Closely
12,500.0	8,964.0	8,912.1	8,908.0	48.0	233.2	90.00	739.0	3,981.4	467.0	137.6	329.38	1.418	Take Immediate Action
12,600.0	8,964.0	8,912.1	8,908.0	49.0	233.2	90.00	739.0	3,981.4	394.0	63.5	330.50	1.192	Take Immediate Action
12,700.0	8,964.0	8,912.1	8,908.0	49.9	233.2	90.00	739.0	3,981.4	335.1	3.2	331.97	1.010	Take Immediate Action
12,800.0	8,964.0	8,912.1	8,908.0	50.9	233.2	90.00	739.0	3,981.4	299.0	-34.3	333.35	0.897	STOP Drilling
12,864.4	8,964.0	8,912.1	8,908.0	51.5	233.2	90.00	739.0	3,981.4	292.0	-41.7	333.70	0.875	STOP Drilling, CC, ES, SF
12,900.0	8,964.0	8,912.1	8,908.0	51.9	233.2	90.00	739.0	3,981.4	294.2	-39.4	333.61	0.882	STOP Drilling
13,000.0	8,964.0	8,912.1	8,908.0	52.8	233.2	90.00	739.0	3,981.4	321.9	-10.6	332.52	0.968	STOP Drilling
13,100.0	8,964.0	8,912.1	8,908.0	53.8	233.2	90.00	739.0	3,981.4	375.2	44.1	331.03	1.133	Take Immediate Action
13,200.0	8,964.0	8,912.1	8,908.0	54.8	233.2	90.00	739.0	3,981.4	444.8	115.0	329.82	1.349	Take Immediate Action
13,300.0	8,964.0	8,912.1	8,908.0	55.8	233.2	90.00	739.0	3,981.4	524.4	195.4	328.98	1.594	Caution - Monitor Closely
13,400.0	8,964.0	8,912.1	8,908.0	56.8	233.2	90.00	739.0	3,981.4	610.0	281.6	328.41	1.857	Caution - Monitor Closely
13,500.0	8,964.0	8,912.1	8,908.0	57.8	233.2	90.00	739.0	3,981.4	699.4	371.4	328.03	2.132	Caution - Monitor Closely
13,600.0	8,964.0	8,912.1	8,908.0	58.8	233.2	90.00	739.0	3,981.4	791.4	463.6	327.77	2.414	Caution - Monitor Closely
13,700.0	8,964.0	8,912.1	8,908.0	59.8	233.2	90.00	739.0	3,981.4	885.1	557.5	327.58	2.702	Normal Operations
13,800.0	8,964.0	8,912.1	8,908.0	60.8	233.2	90.00	739.0	3,981.4	980.1	652.6	327.45	2.993	Normal Operations

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MAGELLAN WC FEE 702H
Project:	EDDY COUNTY_DBW_NM_E	TVD Reference:	RKB=32ft @ 3199.0usft
Reference Site:	MAGELLAN PROJECT	MD Reference:	RKB=32ft @ 3199.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MAGELLAN WC FEE 702H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: MAGELLAN PROJECT - SKEEN 001_PA - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 200-r.5 INC-ONLY												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)			
14,600.0	8,964.0	8,901.8	8,900.0	69.1	225.9	90.00	695.0	6,622.1	967.5	648.7	318.79	3.035	
14,700.0	8,964.0	8,901.8	8,900.0	70.1	225.9	90.00	695.0	6,622.1	874.7	555.4	319.28	2.740	Normal Operations
14,800.0	8,964.0	8,901.8	8,900.0	71.1	225.9	90.00	695.0	6,622.1	783.6	463.7	319.94	2.449	Caution - Monitor Closely
14,900.0	8,964.0	8,901.8	8,900.0	72.2	225.9	90.00	695.0	6,622.1	695.0	374.2	320.85	2.166	Caution - Monitor Closely
15,000.0	8,964.0	8,901.8	8,900.0	73.2	225.9	90.00	695.0	6,622.1	610.0	287.9	322.11	1.894	Caution - Monitor Closely
15,100.0	8,964.0	8,901.8	8,900.0	74.3	225.9	90.00	695.0	6,622.1	530.1	206.2	323.89	1.637	Caution - Monitor Closely
15,200.0	8,964.0	8,901.8	8,900.0	75.3	225.9	90.00	695.0	6,622.1	458.3	132.0	326.35	1.404	Take Immediate Action
15,300.0	8,964.0	8,901.8	8,900.0	76.4	225.9	90.00	695.0	6,622.1	398.8	69.3	329.46	1.210	Take Immediate Action
15,400.0	8,964.0	8,901.8	8,900.0	77.5	225.9	90.00	695.0	6,622.1	357.8	25.2	332.58	1.076	Take Immediate Action
15,500.0	8,964.0	8,901.8	8,900.0	78.5	225.9	90.00	695.0	6,622.1	342.1	7.9	334.16	1.024	Take Immediate Action
15,505.0	8,964.0	8,901.8	8,900.0	78.6	225.9	90.00	695.0	6,622.1	342.0	7.9	334.17	1.024	Take Immediate Action, CC, ES, SF
15,600.0	8,964.0	8,901.8	8,900.0	79.6	225.9	90.00	695.0	6,622.1	355.0	21.9	333.08	1.066	Take Immediate Action
15,700.0	8,964.0	8,901.8	8,900.0	80.6	225.9	90.00	695.0	6,622.1	393.7	63.5	330.21	1.192	Take Immediate Action
15,800.0	8,964.0	8,901.8	8,900.0	81.7	225.9	90.00	695.0	6,622.1	451.7	124.5	327.14	1.381	Take Immediate Action
15,900.0	8,964.0	8,901.8	8,900.0	82.8	225.9	90.00	695.0	6,622.1	522.5	197.8	324.64	1.609	Caution - Monitor Closely
16,000.0	8,964.0	8,901.8	8,900.0	83.8	225.9	90.00	695.0	6,622.1	601.6	278.8	322.80	1.864	Caution - Monitor Closely
16,100.0	8,964.0	8,901.8	8,900.0	84.9	225.9	90.00	695.0	6,622.1	686.3	364.8	321.49	2.135	Caution - Monitor Closely
16,200.0	8,964.0	8,901.8	8,900.0	86.0	225.9	90.00	695.0	6,622.1	774.6	454.0	320.55	2.416	Caution - Monitor Closely
16,300.0	8,964.0	8,901.8	8,900.0	87.0	225.9	90.00	695.0	6,622.1	865.4	545.6	319.86	2.706	Normal Operations
16,400.0	8,964.0	8,901.8	8,900.0	88.1	225.9	90.00	695.0	6,622.1	958.1	638.7	319.36	3.000	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MAGELLAN WC FEE 702H
Project:	EDDY COUNTY_DBW_NM_E	TVD Reference:	RKB=32ft @ 3199.0usft
Reference Site:	MAGELLAN PROJECT	MD Reference:	RKB=32ft @ 3199.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MAGELLAN WC FEE 702H	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:	PWP1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB=32ft @ 3199.0usft

Offset Depths are relative to Offset Datum

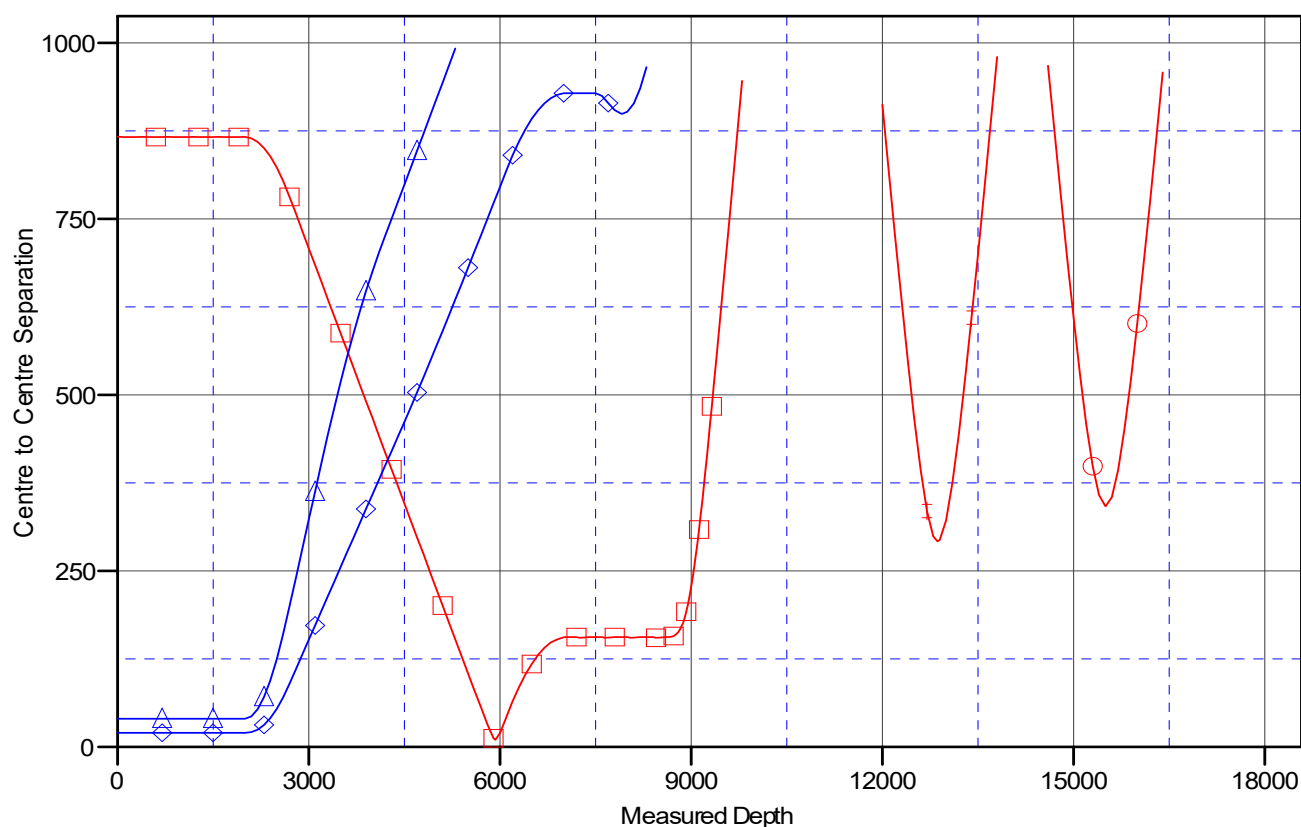
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: MAGELLAN WC FEE 702H

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

Grid Convergence at Surface is: 0.06°

Ladder Plot



LEGEND

■ HOWARD HEMLER COM 001 PA, OWB, AWP V0
 ▲ MAGELLAN WC FEE 701H, OWB, PWP1 V0
 ● SKEEN 001 PA, OWB, AWP V0
◆ MAGELLAN BS FEE 501H, OWB, PWP1 V0
 ■ ROGERS 001, OWB, AWP V0

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MAGELLAN WC FEE 702H
Project:	EDDY COUNTY _DBW_NM_E	TVD Reference:	RKB=32ft @ 3199.0usft
Reference Site:	MAGELLAN PROJECT	MD Reference:	RKB=32ft @ 3199.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MAGELLAN WC FEE 702H	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:	PWP1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB=32ft @ 3199.0usft

Offset Depths are relative to Offset Datum

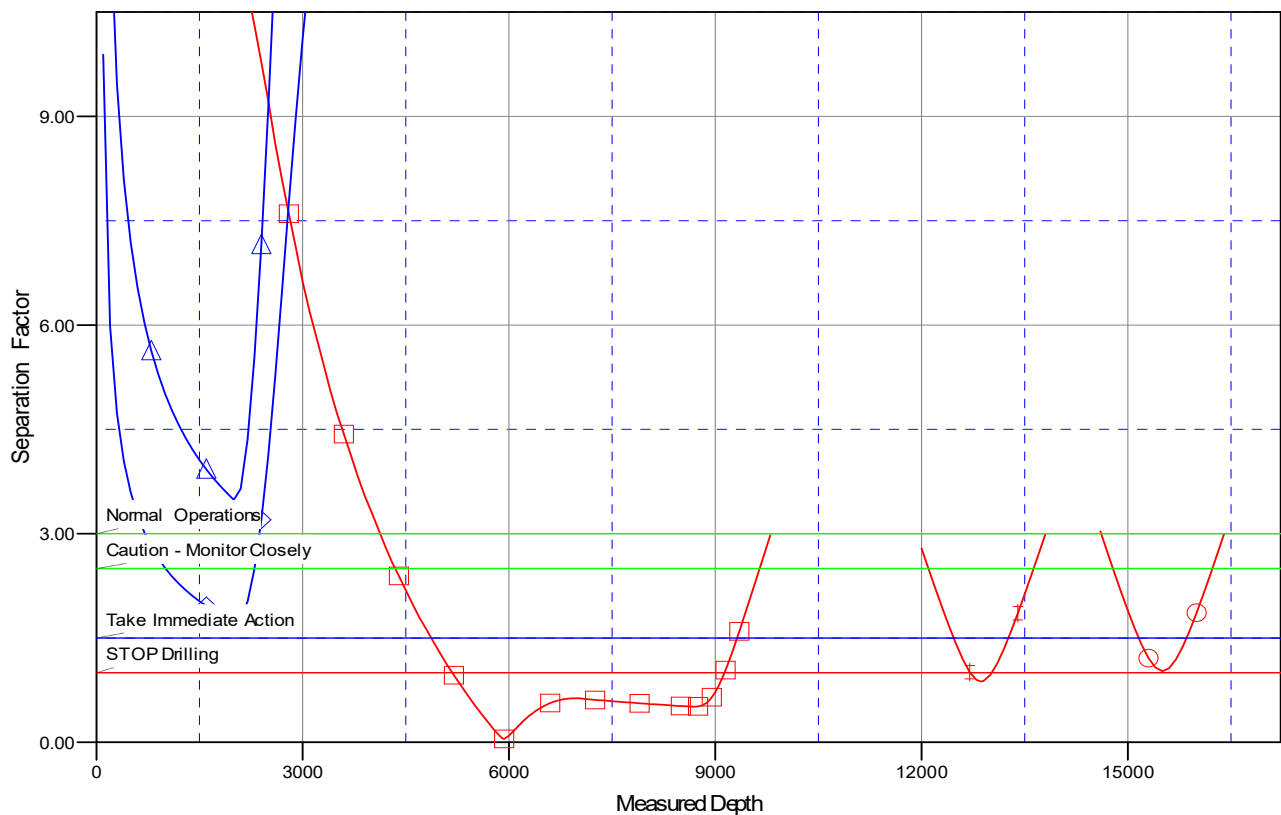
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: MAGELLAN WC FEE 702H

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

Grid Convergence at Surface is: 0.06°

Separation Factor Plot



LEGEND

■ HOWARD HEMLER COM 001 PA, OWB, AWP V0
 ▲ MAGELLAN WC FEE 701H, OWB, PWP1 V0
 ● SKEEN 001 PA, OWB, AWP V0
▲ MAGELLAN BS FEE 501H, OWB, PWP1 V0
 ■ ROGERS 001, OWB, AWP V0

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

DELAWARE BASIN WEST

EDDY COUNTY _DBW_NM_E

MAGELLAN PROJECT

MAGELLAN WC FEE 702H

OWB

Plan: PWP1

Standard Planning Report

16 October, 2025

ConocoPhillips
Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well MAGELLAN WC FEE 702H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 3199.0usft
Project:	EDDY COUNTY_DBW_NM_E	MD Reference:	RKB=32ft @ 3199.0usft
Site:	MAGELLAN PROJECT	North Reference:	Grid
Well:	MAGELLAN WC FEE 702H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Project	EDDY COUNTY_DBW_NM_E		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Well	MAGELLAN WC FEE 702H					
Well Position	+N/-S	0.0 usft	Northing:	494,312.34 usft	Latitude:	32° 21' 32.140 N
	+E/-W	0.0 usft	Easting:	535,429.73 usft	Longitude:	104° 13' 6.934 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,167.0 usft
Grid Convergence:		0.06 °				

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2025	3/1/2026	6.75	59.88	47,068.40467806

Design	PWP1				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	84.07	

Plan Survey Tool Program	Date	10/16/2025			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1 0.0	2,000.0	PWP1 (OWB)	r.5 MWD+IFR1+SAG+FDIR		
			OWSG MWD + IFR1 + SAG +		
2 2,000.0	8,603.8	PWP1 (OWB)	r.5 MWD+IFR1		
			OWSG MWD + IFR1 rev.5		
3 8,603.8	18,934.6	PWP1 (OWB)	r.5 MWD+IFR1+SAG+FDIR		
			OWSG MWD + IFR1 + SAG +		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,700.0	14.00	359.59	2,693.0	85.1	-0.6	2.00	2.00	0.00	359.59	
6,104.0	14.00	359.59	5,996.0	908.5	-6.5	0.00	0.00	0.00	0.00	
7,037.3	0.00	0.00	6,920.0	1,022.0	-7.3	1.50	-1.50	0.00	180.00	
8,603.8	0.00	0.00	8,486.5	1,022.0	-7.3	0.00	0.00	0.00	0.00	
9,353.8	90.00	89.87	8,964.0	1,023.1	470.1	12.00	12.00	0.00	89.87	
18,934.6	90.00	89.87	8,964.0	1,044.8	10,050.9	0.00	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well MAGELLAN WC FEE 702H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 3199.0usft
Project:	EDDY COUNTY _DBW_NM_E	MD Reference:	RKB=32ft @ 3199.0usft
Site:	MAGELLAN PROJECT	North Reference:	Grid
Well:	MAGELLAN WC FEE 702H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
NUDGE @ DLS 2.00									
2,100.0	2.00	359.59	2,100.0	1.7	0.0	0.2	2.00	2.00	0.00
2,200.0	4.00	359.59	2,199.8	7.0	0.0	0.7	2.00	2.00	0.00
2,300.0	6.00	359.59	2,299.5	15.7	-0.1	1.5	2.00	2.00	0.00
2,400.0	8.00	359.59	2,398.7	27.9	-0.2	2.7	2.00	2.00	0.00
2,500.0	10.00	359.59	2,497.5	43.5	-0.3	4.2	2.00	2.00	0.00
2,600.0	12.00	359.59	2,595.6	62.6	-0.4	6.0	2.00	2.00	0.00
2,700.0	14.00	359.59	2,693.0	85.1	-0.6	8.2	2.00	2.00	0.00
HOLD TNGT									
2,800.0	14.00	359.59	2,790.1	109.3	-0.8	10.5	0.00	0.00	0.00
2,900.0	14.00	359.59	2,887.1	133.5	-1.0	12.8	0.00	0.00	0.00
3,000.0	14.00	359.59	2,984.1	157.7	-1.1	15.2	0.00	0.00	0.00
3,100.0	14.00	359.59	3,081.2	181.9	-1.3	17.5	0.00	0.00	0.00
3,200.0	14.00	359.59	3,178.2	206.0	-1.5	19.8	0.00	0.00	0.00
3,300.0	14.00	359.59	3,275.2	230.2	-1.6	22.2	0.00	0.00	0.00
3,400.0	14.00	359.59	3,372.3	254.4	-1.8	24.5	0.00	0.00	0.00
3,500.0	14.00	359.59	3,469.3	278.6	-2.0	26.8	0.00	0.00	0.00
3,600.0	14.00	359.59	3,566.3	302.8	-2.2	29.2	0.00	0.00	0.00
3,700.0	14.00	359.59	3,663.4	327.0	-2.3	31.5	0.00	0.00	0.00
3,800.0	14.00	359.59	3,760.4	351.2	-2.5	33.8	0.00	0.00	0.00
3,900.0	14.00	359.59	3,857.4	375.4	-2.7	36.1	0.00	0.00	0.00
4,000.0	14.00	359.59	3,954.4	399.6	-2.9	38.5	0.00	0.00	0.00
4,100.0	14.00	359.59	4,051.5	423.8	-3.0	40.8	0.00	0.00	0.00
4,200.0	14.00	359.59	4,148.5	448.0	-3.2	43.1	0.00	0.00	0.00
4,300.0	14.00	359.59	4,245.5	472.1	-3.4	45.5	0.00	0.00	0.00
4,400.0	14.00	359.59	4,342.6	496.3	-3.6	47.8	0.00	0.00	0.00
4,500.0	14.00	359.59	4,439.6	520.5	-3.7	50.1	0.00	0.00	0.00
4,600.0	14.00	359.59	4,536.6	544.7	-3.9	52.4	0.00	0.00	0.00
4,700.0	14.00	359.59	4,633.7	568.9	-4.1	54.8	0.00	0.00	0.00
4,800.0	14.00	359.59	4,730.7	593.1	-4.2	57.1	0.00	0.00	0.00
4,900.0	14.00	359.59	4,827.7	617.3	-4.4	59.4	0.00	0.00	0.00
5,000.0	14.00	359.59	4,924.7	641.5	-4.6	61.8	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well MAGELLAN WC FEE 702H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 3199.0usft
Project:	EDDY COUNTY_DBW_NM_E	MD Reference:	RKB=32ft @ 3199.0usft
Site:	MAGELLAN PROJECT	North Reference:	Grid
Well:	MAGELLAN WC FEE 702H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,100.0	14.00	359.59	5,021.8	665.7	-4.8	64.1	0.00	0.00	0.00
5,200.0	14.00	359.59	5,118.8	689.9	-4.9	66.4	0.00	0.00	0.00
5,300.0	14.00	359.59	5,215.8	714.1	-5.1	68.7	0.00	0.00	0.00
5,400.0	14.00	359.59	5,312.9	738.2	-5.3	71.1	0.00	0.00	0.00
5,500.0	14.00	359.59	5,409.9	762.4	-5.5	73.4	0.00	0.00	0.00
5,600.0	14.00	359.59	5,506.9	786.6	-5.6	75.7	0.00	0.00	0.00
5,700.0	14.00	359.59	5,603.9	810.8	-5.8	78.1	0.00	0.00	0.00
5,800.0	14.00	359.59	5,701.0	835.0	-6.0	80.4	0.00	0.00	0.00
5,900.0	14.00	359.59	5,798.0	859.2	-6.2	82.7	0.00	0.00	0.00
6,000.0	14.00	359.59	5,895.0	883.4	-6.3	85.0	0.00	0.00	0.00
6,104.0	14.00	359.59	5,996.0	908.5	-6.5	87.5	0.00	0.00	0.00
END NUDGE									
6,200.0	12.56	359.59	6,089.4	930.6	-6.7	89.6	1.50	-1.50	0.00
6,300.0	11.06	359.59	6,187.3	951.1	-6.8	91.6	1.50	-1.50	0.00
6,400.0	9.56	359.59	6,285.6	969.0	-6.9	93.3	1.50	-1.50	0.00
6,500.0	8.06	359.59	6,384.5	984.3	-7.0	94.8	1.50	-1.50	0.00
6,600.0	6.56	359.59	6,483.6	997.0	-7.1	96.0	1.50	-1.50	0.00
6,700.0	5.06	359.59	6,583.1	1,007.1	-7.2	97.0	1.50	-1.50	0.00
6,800.0	3.56	359.59	6,682.8	1,014.6	-7.3	97.7	1.50	-1.50	0.00
6,900.0	2.06	359.59	6,782.7	1,019.5	-7.3	98.2	1.50	-1.50	0.00
7,000.0	0.56	359.59	6,882.7	1,021.8	-7.3	98.4	1.50	-1.50	0.00
7,037.3	0.00	0.00	6,920.0	1,022.0	-7.3	98.4	1.50	-1.50	0.00
HOLD TO CVE KOP									
7,100.0	0.00	0.00	6,982.7	1,022.0	-7.3	98.4	0.00	0.00	0.00
7,200.0	0.00	0.00	7,082.7	1,022.0	-7.3	98.4	0.00	0.00	0.00
7,300.0	0.00	0.00	7,182.7	1,022.0	-7.3	98.4	0.00	0.00	0.00
7,400.0	0.00	0.00	7,282.7	1,022.0	-7.3	98.4	0.00	0.00	0.00
7,500.0	0.00	0.00	7,382.7	1,022.0	-7.3	98.4	0.00	0.00	0.00
7,600.0	0.00	0.00	7,482.7	1,022.0	-7.3	98.4	0.00	0.00	0.00
7,700.0	0.00	0.00	7,582.7	1,022.0	-7.3	98.4	0.00	0.00	0.00
7,800.0	0.00	0.00	7,682.7	1,022.0	-7.3	98.4	0.00	0.00	0.00
7,900.0	0.00	0.00	7,782.7	1,022.0	-7.3	98.4	0.00	0.00	0.00
8,000.0	0.00	0.00	7,882.7	1,022.0	-7.3	98.4	0.00	0.00	0.00
8,100.0	0.00	0.00	7,982.7	1,022.0	-7.3	98.4	0.00	0.00	0.00
8,200.0	0.00	0.00	8,082.7	1,022.0	-7.3	98.4	0.00	0.00	0.00
8,300.0	0.00	0.00	8,182.7	1,022.0	-7.3	98.4	0.00	0.00	0.00
8,400.0	0.00	0.00	8,282.7	1,022.0	-7.3	98.4	0.00	0.00	0.00
8,500.0	0.00	0.00	8,382.7	1,022.0	-7.3	98.4	0.00	0.00	0.00
8,603.8	0.00	0.00	8,486.5	1,022.0	-7.3	98.4	0.00	0.00	0.00
CVE KOP-START DLS 12.00									
8,625.0	2.54	89.87	8,507.7	1,022.0	-6.9	98.9	12.00	12.00	0.00
8,650.0	5.54	89.87	8,532.6	1,022.0	-5.1	100.6	12.00	12.00	0.00
8,675.0	8.54	89.87	8,557.4	1,022.0	-2.0	103.7	12.00	12.00	0.00
8,700.0	11.54	89.87	8,582.0	1,022.0	2.3	108.0	12.00	12.00	0.00
8,725.0	14.54	89.87	8,606.4	1,022.0	8.0	113.6	12.00	12.00	0.00
8,750.0	17.54	89.87	8,630.4	1,022.1	14.9	120.5	12.00	12.00	0.00
8,775.0	20.54	89.87	8,654.0	1,022.1	23.0	128.6	12.00	12.00	0.00
8,800.0	23.54	89.87	8,677.2	1,022.1	32.4	137.9	12.00	12.00	0.00
8,825.0	26.54	89.87	8,699.9	1,022.1	43.0	148.4	12.00	12.00	0.00
8,850.0	29.54	89.87	8,721.9	1,022.1	54.7	160.1	12.00	12.00	0.00
8,875.0	32.54	89.87	8,743.3	1,022.2	67.6	173.0	12.00	12.00	0.00
8,900.0	35.54	89.87	8,764.1	1,022.2	81.6	186.9	12.00	12.00	0.00
8,925.0	38.54	89.87	8,784.0	1,022.2	96.7	201.9	12.00	12.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well MAGELLAN WC FEE 702H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 3199.0usft
Project:	EDDY COUNTY _DBW_NM_E	MD Reference:	RKB=32ft @ 3199.0usft
Site:	MAGELLAN PROJECT	North Reference:	Grid
Well:	MAGELLAN WC FEE 702H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,950.0	41.54	89.87	8,803.2	1,022.3	112.8	217.9	12.00	12.00	0.00
8,975.0	44.54	89.87	8,821.4	1,022.3	129.8	234.8	12.00	12.00	0.00
9,000.0	47.54	89.87	8,838.8	1,022.4	147.8	252.7	12.00	12.00	0.00
9,025.0	50.54	89.87	8,855.2	1,022.4	166.7	271.5	12.00	12.00	0.00
9,050.0	53.54	89.87	8,870.5	1,022.4	186.4	291.1	12.00	12.00	0.00
9,075.0	56.54	89.87	8,884.9	1,022.5	206.9	311.5	12.00	12.00	0.00
9,100.0	59.54	89.87	8,898.1	1,022.5	228.1	332.6	12.00	12.00	0.00
9,125.0	62.54	89.87	8,910.2	1,022.6	250.0	354.4	12.00	12.00	0.00
9,150.0	65.54	89.87	8,921.1	1,022.6	272.4	376.7	12.00	12.00	0.00
9,175.0	68.54	89.87	8,930.9	1,022.7	295.5	399.6	12.00	12.00	0.00
9,200.0	71.54	89.87	8,939.4	1,022.7	318.9	423.0	12.00	12.00	0.00
9,225.0	74.54	89.87	8,946.7	1,022.8	342.9	446.8	12.00	12.00	0.00
9,250.0	77.54	89.87	8,952.8	1,022.8	367.1	470.9	12.00	12.00	0.00
9,275.0	80.54	89.87	8,957.5	1,022.9	391.7	495.3	12.00	12.00	0.00
9,300.0	83.54	89.87	8,961.0	1,023.0	416.4	520.0	12.00	12.00	0.00
9,325.0	86.54	89.87	8,963.1	1,023.0	441.3	544.7	12.00	12.00	0.00
9,350.0	89.54	89.87	8,964.0	1,023.1	466.3	569.6	12.00	12.00	0.00
9,353.8	90.00	89.87	8,964.0	1,023.1	470.1	573.4	12.00	12.00	0.00
EOC-HOLD									
9,400.0	90.00	89.87	8,964.0	1,023.2	516.3	619.3	0.00	0.00	0.00
9,500.0	90.00	89.87	8,964.0	1,023.4	616.3	718.8	0.00	0.00	0.00
9,600.0	90.00	89.87	8,964.0	1,023.6	716.3	818.3	0.00	0.00	0.00
9,700.0	90.00	89.87	8,964.0	1,023.9	816.3	917.8	0.00	0.00	0.00
9,800.0	90.00	89.87	8,964.0	1,024.1	916.3	1,017.3	0.00	0.00	0.00
9,900.0	90.00	89.87	8,964.0	1,024.3	1,016.3	1,116.8	0.00	0.00	0.00
10,000.0	90.00	89.87	8,964.0	1,024.5	1,116.3	1,216.2	0.00	0.00	0.00
10,100.0	90.00	89.87	8,964.0	1,024.8	1,216.3	1,315.7	0.00	0.00	0.00
10,200.0	90.00	89.87	8,964.0	1,025.0	1,316.3	1,415.2	0.00	0.00	0.00
10,300.0	90.00	89.87	8,964.0	1,025.2	1,416.3	1,514.7	0.00	0.00	0.00
10,400.0	90.00	89.87	8,964.0	1,025.5	1,516.3	1,614.2	0.00	0.00	0.00
10,500.0	90.00	89.87	8,964.0	1,025.7	1,616.3	1,713.7	0.00	0.00	0.00
10,600.0	90.00	89.87	8,964.0	1,025.9	1,716.3	1,813.2	0.00	0.00	0.00
10,700.0	90.00	89.87	8,964.0	1,026.1	1,816.3	1,912.7	0.00	0.00	0.00
10,800.0	90.00	89.87	8,964.0	1,026.4	1,916.3	2,012.1	0.00	0.00	0.00
10,900.0	90.00	89.87	8,964.0	1,026.6	2,016.3	2,111.6	0.00	0.00	0.00
11,000.0	90.00	89.87	8,964.0	1,026.8	2,116.3	2,211.1	0.00	0.00	0.00
11,100.0	90.00	89.87	8,964.0	1,027.0	2,216.3	2,310.6	0.00	0.00	0.00
11,200.0	90.00	89.87	8,964.0	1,027.3	2,316.3	2,410.1	0.00	0.00	0.00
11,300.0	90.00	89.87	8,964.0	1,027.5	2,416.3	2,509.6	0.00	0.00	0.00
11,400.0	90.00	89.87	8,964.0	1,027.7	2,516.3	2,609.1	0.00	0.00	0.00
11,500.0	90.00	89.87	8,964.0	1,028.0	2,616.3	2,708.6	0.00	0.00	0.00
11,600.0	90.00	89.87	8,964.0	1,028.2	2,716.3	2,808.0	0.00	0.00	0.00
11,700.0	90.00	89.87	8,964.0	1,028.4	2,816.3	2,907.5	0.00	0.00	0.00
11,800.0	90.00	89.87	8,964.0	1,028.6	2,916.3	3,007.0	0.00	0.00	0.00
11,900.0	90.00	89.87	8,964.0	1,028.9	3,016.3	3,106.5	0.00	0.00	0.00
12,000.0	90.00	89.87	8,964.0	1,029.1	3,116.3	3,206.0	0.00	0.00	0.00
12,100.0	90.00	89.87	8,964.0	1,029.3	3,216.3	3,305.5	0.00	0.00	0.00
12,200.0	90.00	89.87	8,964.0	1,029.5	3,316.3	3,405.0	0.00	0.00	0.00
12,300.0	90.00	89.87	8,964.0	1,029.8	3,416.3	3,504.5	0.00	0.00	0.00
12,400.0	90.00	89.87	8,964.0	1,030.0	3,516.3	3,603.9	0.00	0.00	0.00
12,500.0	90.00	89.87	8,964.0	1,030.2	3,616.3	3,703.4	0.00	0.00	0.00
12,600.0	90.00	89.87	8,964.0	1,030.4	3,716.3	3,802.9	0.00	0.00	0.00
12,700.0	90.00	89.87	8,964.0	1,030.7	3,816.3	3,902.4	0.00	0.00	0.00
12,800.0	90.00	89.87	8,964.0	1,030.9	3,916.3	4,001.9	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well MAGELLAN WC FEE 702H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 3199.0usft
Project:	EDDY COUNTY_DBW_NM_E	MD Reference:	RKB=32ft @ 3199.0usft
Site:	MAGELLAN PROJECT	North Reference:	Grid
Well:	MAGELLAN WC FEE 702H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,900.0	90.00	89.87	8,964.0	1,031.1	4,016.3	4,101.4	0.00	0.00	0.00
13,000.0	90.00	89.87	8,964.0	1,031.4	4,116.3	4,200.9	0.00	0.00	0.00
13,100.0	90.00	89.87	8,964.0	1,031.6	4,216.3	4,300.4	0.00	0.00	0.00
13,200.0	90.00	89.87	8,964.0	1,031.8	4,316.3	4,399.8	0.00	0.00	0.00
13,300.0	90.00	89.87	8,964.0	1,032.0	4,416.3	4,499.3	0.00	0.00	0.00
13,400.0	90.00	89.87	8,964.0	1,032.3	4,516.3	4,598.8	0.00	0.00	0.00
13,500.0	90.00	89.87	8,964.0	1,032.5	4,616.3	4,698.3	0.00	0.00	0.00
13,600.0	90.00	89.87	8,964.0	1,032.7	4,716.3	4,797.8	0.00	0.00	0.00
13,700.0	90.00	89.87	8,964.0	1,032.9	4,816.3	4,897.3	0.00	0.00	0.00
13,800.0	90.00	89.87	8,964.0	1,033.2	4,916.3	4,996.8	0.00	0.00	0.00
13,900.0	90.00	89.87	8,964.0	1,033.4	5,016.3	5,096.2	0.00	0.00	0.00
14,000.0	90.00	89.87	8,964.0	1,033.6	5,116.3	5,195.7	0.00	0.00	0.00
14,100.0	90.00	89.87	8,964.0	1,033.9	5,216.3	5,295.2	0.00	0.00	0.00
14,200.0	90.00	89.87	8,964.0	1,034.1	5,316.3	5,394.7	0.00	0.00	0.00
14,300.0	90.00	89.87	8,964.0	1,034.3	5,416.3	5,494.2	0.00	0.00	0.00
14,400.0	90.00	89.87	8,964.0	1,034.5	5,516.3	5,593.7	0.00	0.00	0.00
14,500.0	90.00	89.87	8,964.0	1,034.8	5,616.3	5,693.2	0.00	0.00	0.00
14,600.0	90.00	89.87	8,964.0	1,035.0	5,716.3	5,792.7	0.00	0.00	0.00
14,700.0	90.00	89.87	8,964.0	1,035.2	5,816.3	5,892.1	0.00	0.00	0.00
14,800.0	90.00	89.87	8,964.0	1,035.4	5,916.3	5,991.6	0.00	0.00	0.00
14,900.0	90.00	89.87	8,964.0	1,035.7	6,016.3	6,091.1	0.00	0.00	0.00
15,000.0	90.00	89.87	8,964.0	1,035.9	6,116.3	6,190.6	0.00	0.00	0.00
15,100.0	90.00	89.87	8,964.0	1,036.1	6,216.3	6,290.1	0.00	0.00	0.00
15,200.0	90.00	89.87	8,964.0	1,036.3	6,316.3	6,389.6	0.00	0.00	0.00
15,300.0	90.00	89.87	8,964.0	1,036.6	6,416.3	6,489.1	0.00	0.00	0.00
15,400.0	90.00	89.87	8,964.0	1,036.8	6,516.3	6,588.6	0.00	0.00	0.00
15,500.0	90.00	89.87	8,964.0	1,037.0	6,616.3	6,688.0	0.00	0.00	0.00
15,600.0	90.00	89.87	8,964.0	1,037.3	6,716.3	6,787.5	0.00	0.00	0.00
15,700.0	90.00	89.87	8,964.0	1,037.5	6,816.3	6,887.0	0.00	0.00	0.00
15,800.0	90.00	89.87	8,964.0	1,037.7	6,916.3	6,986.5	0.00	0.00	0.00
15,900.0	90.00	89.87	8,964.0	1,037.9	7,016.3	7,086.0	0.00	0.00	0.00
16,000.0	90.00	89.87	8,964.0	1,038.2	7,116.3	7,185.5	0.00	0.00	0.00
16,100.0	90.00	89.87	8,964.0	1,038.4	7,216.3	7,285.0	0.00	0.00	0.00
16,200.0	90.00	89.87	8,964.0	1,038.6	7,316.3	7,384.5	0.00	0.00	0.00
16,300.0	90.00	89.87	8,964.0	1,038.8	7,416.3	7,483.9	0.00	0.00	0.00
16,400.0	90.00	89.87	8,964.0	1,039.1	7,516.3	7,583.4	0.00	0.00	0.00
16,500.0	90.00	89.87	8,964.0	1,039.3	7,616.3	7,682.9	0.00	0.00	0.00
16,600.0	90.00	89.87	8,964.0	1,039.5	7,716.3	7,782.4	0.00	0.00	0.00
16,700.0	90.00	89.87	8,964.0	1,039.8	7,816.3	7,881.9	0.00	0.00	0.00
16,800.0	90.00	89.87	8,964.0	1,040.0	7,916.3	7,981.4	0.00	0.00	0.00
16,900.0	90.00	89.87	8,964.0	1,040.2	8,016.3	8,080.9	0.00	0.00	0.00
17,000.0	90.00	89.87	8,964.0	1,040.4	8,116.3	8,180.4	0.00	0.00	0.00
17,100.0	90.00	89.87	8,964.0	1,040.7	8,216.3	8,279.8	0.00	0.00	0.00
17,200.0	90.00	89.87	8,964.0	1,040.9	8,316.3	8,379.3	0.00	0.00	0.00
17,300.0	90.00	89.87	8,964.0	1,041.1	8,416.3	8,478.8	0.00	0.00	0.00
17,400.0	90.00	89.87	8,964.0	1,041.3	8,516.3	8,578.3	0.00	0.00	0.00
17,500.0	90.00	89.87	8,964.0	1,041.6	8,616.3	8,677.8	0.00	0.00	0.00
17,600.0	90.00	89.87	8,964.0	1,041.8	8,716.3	8,777.3	0.00	0.00	0.00
17,700.0	90.00	89.87	8,964.0	1,042.0	8,816.3	8,876.8	0.00	0.00	0.00
17,800.0	90.00	89.87	8,964.0	1,042.2	8,916.3	8,976.3	0.00	0.00	0.00
17,900.0	90.00	89.87	8,964.0	1,042.5	9,016.3	9,075.7	0.00	0.00	0.00
18,000.0	90.00	89.87	8,964.0	1,042.7	9,116.3	9,175.2	0.00	0.00	0.00
18,100.0	90.00	89.87	8,964.0	1,042.9	9,216.3	9,274.7	0.00	0.00	0.00
18,200.0	90.00	89.87	8,964.0	1,043.2	9,316.3	9,374.2	0.00	0.00	0.00

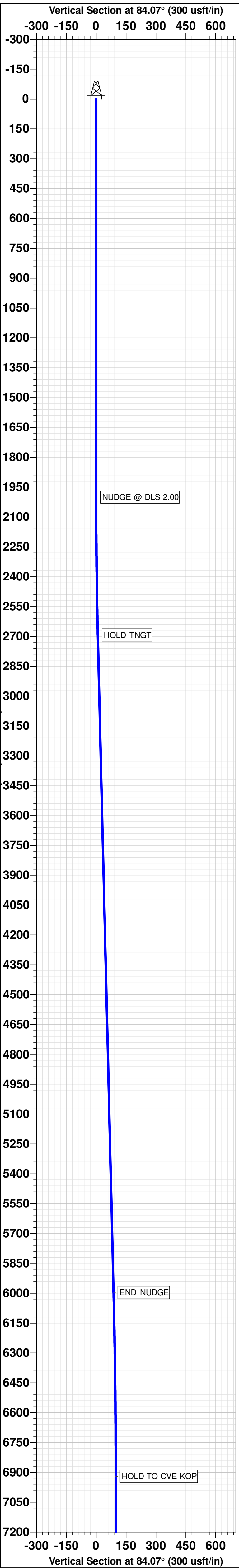
ConocoPhillips
Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well MAGELLAN WC FEE 702H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 3199.0usft
Project:	EDDY COUNTY _DBW_NM_E	MD Reference:	RKB=32ft @ 3199.0usft
Site:	MAGELLAN PROJECT	North Reference:	Grid
Well:	MAGELLAN WC FEE 702H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,300.0	90.00	89.87	8,964.0	1,043.4	9,416.3	9,473.7	0.00	0.00	0.00
18,400.0	90.00	89.87	8,964.0	1,043.6	9,516.3	9,573.2	0.00	0.00	0.00
18,500.0	90.00	89.87	8,964.0	1,043.8	9,616.3	9,672.7	0.00	0.00	0.00
18,600.0	90.00	89.87	8,964.0	1,044.1	9,716.3	9,772.1	0.00	0.00	0.00
18,700.0	90.00	89.87	8,964.0	1,044.3	9,816.3	9,871.6	0.00	0.00	0.00
18,800.0	90.00	89.87	8,964.0	1,044.5	9,916.3	9,971.1	0.00	0.00	0.00
18,900.0	90.00	89.87	8,964.0	1,044.7	10,016.3	10,070.6	0.00	0.00	0.00
18,934.6	90.00	89.87	8,964.0	1,044.8	10,050.9	10,105.1	0.00	0.00	0.00
TD @ 18934.6 MD / 10105.1 VS									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
LTP_MAGELLAN WC FI	90.00	90.19	8,964.0	1,044.1	9,920.9	495,356.49	545,350.62	32° 21' 42.353 N	104° 11' 11.252 W
- plan misses target center by 0.4usft at 18804.6usft MD (8964.0 TVD, 1044.5 N, 9920.9 E)									
- Circle (radius 50.0)									
FTP_MAGELLAN WC F	0.00	0.00	8,964.0	1,022.0	5.6	495,334.33	535,435.30	32° 21' 42.254 N	104° 13' 6.856 W
- plan misses target center by 188.7usft at 8984.5usft MD (8828.2 TVD, 1022.3 N, 136.6 E)									
- Circle (radius 50.0)									
PBHL_MAGELLAN WC	0.00	269.87	8,964.0	1,044.8	10,050.9	495,357.16	545,480.62	32° 21' 42.358 N	104° 11' 9.737 W
- plan hits target center									
- Rectangle (sides W100.0 H10,045.5 D20.0)									

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
2,000.0	2,000.0	0.0	0.0	NUDGE @ DLS 2.00	
2,700.0	2,693.0	85.1	-0.6	HOLD TNGT	
6,104.0	5,996.0	908.5	-6.5	END NUDGE	
7,037.3	6,920.0	1,022.0	-7.3	HOLD TO CVE KOP	
8,603.8	8,486.5	1,022.0	-7.3	CVE KOP-START DLS 12.00	
9,353.8	8,964.0	1,023.1	470.1	EOC-HOLD	
18,934.6	8,964.0	1,044.8	10,050.9	TD @ 18934.6 MD / 10105.1 VS	



Project: EDDY COUNTY_DBW_NM_E						
Site: MAGELLAN PROJECT						
Well: MAGELLAN WC FEE 702H						
Wellbore: OWB						
Design: PWP1						
GL: 3167.00						
RKB=32ft @ 3199.00usft						
WELL DETAILS: MAGELLAN WC FEE 702H						
+N/-S 0.00	+E/-W 0.00	Northing 494312.34	Easting 535429.73	Latitude 32° 21' 32.140 N	Longitude 104° 13' 6.934 W	
DESIGN TARGET DETAILS						
Name			TVD	+N/-S	+E/-W	
FTP_MAGELLAN WC FEE 702H			8964.00	1021.99	5.57	495334.33
LTP_MAGELLAN WC FEE 702H			8964.00	1044.15	9920.89	495356.49
PBHL_MAGELLAN WC FEE 702H			8964.00	1044.82	10050.89	495357.16
						545480.62
SECTION DETAILS						
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg
0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00
2699.98	14.00	359.59	2693.03	85.09	-0.61	2.00
6104.01	14.00	359.59	5995.96	908.55	-6.51	0.00
7037.31	0.00	0.00	6920.00	1022.00	-7.32	1.50
8603.85	0.00	0.00	8486.54	1022.00	-7.32	0.00
9353.85	90.00	89.87	9964.00	1023.08	470.14	12.00
18934.62	90.00	89.87	8964.00	1044.82	10050.89	0.00
						0.00

