

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 402234

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
		3. API Number 30-015-57453
4. Property Code 337852	5. Property Name Magellan BS Fee	6. Well No. 501H

7. Surface Location

UL - Lot M	Section 29	Township 22S	Range 27E	Lot Idn M	Feet From 1008	N/S Line S	Feet From 327	E/W Line W	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot P	Section 28	Township 22S	Range 27E	Lot Idn P	Feet From 1150	N/S Line S	Feet From 50	E/W Line E	County Eddy
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9. Pool Information

CASS DRAW;BONE SPRING	10380
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 3167
16. Multiple N	17. Proposed Depth 18130	18. Formation 3rd Bone Spring Carbonate	19. Contractor	20. Spud Date 2/1/2026
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	7300	1150	0
Prod	6.75	5.5	23	18130	900	5500

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: _____ Printed Name: Electronically filed by Robyn M Russell Title: Regulatory Supervisor Email Address: Robyn.M.Russell@conocophillips.com Date: 11/4/2025	OIL CONSERVATION DIVISION Approved By: Jeffrey Harrison Title: Petroleum Specialist III Approved Date: 11/7/2025 Expiration Date: 11/7/2027 Conditions of Approval Attached
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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 30-015-57453	Pool Code 10380	Pool Name Cass Draw; Bone Spring
Property Code 337852	Property Name MAGELLAN BS FEE	Well Number 501H
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	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	29	22S	27E		1,008' FSL	327' FWL	32.358991°	-104.219095°	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	28	22S	27E		1,150' FSL	50' FEL	32.359413°	-104.186021°	EDDY

Dedicated Acres 640	Infill or Defining Well Defining	Defining Well API Pending 501H	Overlapping Spacing Unit (Y/N)	Consolidation Code
Order Numbers.			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	29	22S	27E		1,008' FSL	327' FWL	32.358991°	-104.219095°	EDDY

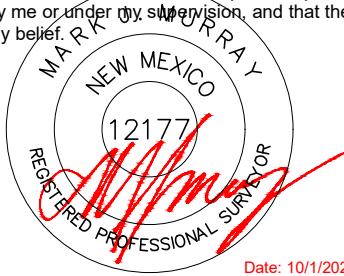
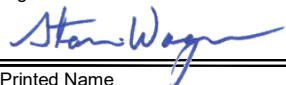
First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	29	22S	27E		1,150' FSL	100' FWL	32.359381°	-104.219829°	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	28	22S	27E		1,150' FSL	100' FEL	32.359412°	-104.186182°	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3,167'
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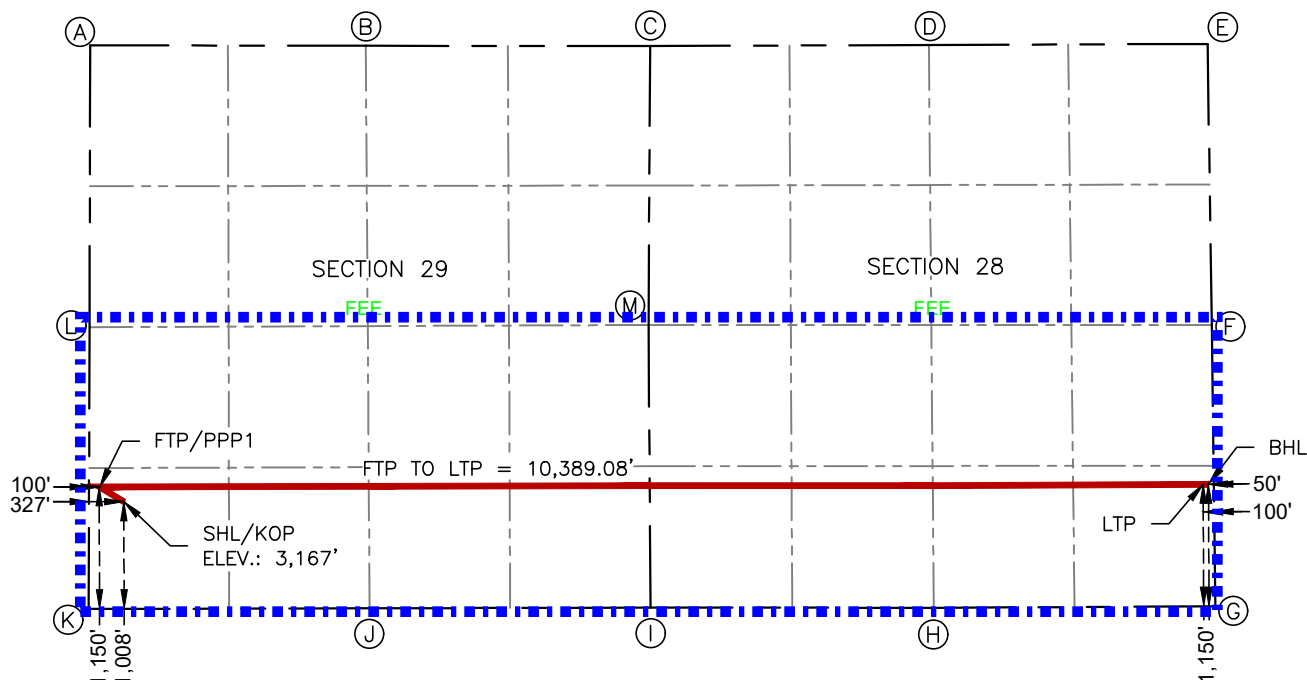
OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the 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.		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: 10/1/2025	
Signature  Date 11/4/2025		Signature and Seal of Professional Surveyor	
Printed Name Stan Wagner		Certificate Number 12177	Date of Survey 10/1/2025
Email Address		Revision Number 0	

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 BS FEE 501H**

**SURFACE HOLE LOCATION
& KICK-OFF POINT**
1,008' FSL & 327' FWL
ELEV. = 3,167'

NAD 83 X = 576,611.33'
NAD 83 Y = 494,351.61'
NAD 83 LAT = 32.358991°
NAD 83 LONG = -104.219095°

LAST TAKE POINT
1,150' FSL & 100' FEL

NAD 83 X = 586,773.71'
NAD 83 Y = 494,517.14'
NAD 83 LAT = 32.359412°
NAD 83 LONG = -104.186182°

**FIRST TAKE POINT &
PENETRATION POINT 1**
1,150' FSL & 100' FWL

NAD 83 X = 576,384.68'
NAD 83 Y = 494,493.06'
NAD 83 LAT = 32.359381°
NAD 83 LONG = -104.219829°

BOTTOM HOLE LOCATION
1,150' FSL & 50' FEL

NAD 83 X = 586,823.71'
NAD 83 Y = 494,517.40'
NAD 83 LAT = 32.359413°
NAD 83 LONG = -104.186021°

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 Comments
Permit 402234

PERMIT COMMENTS

Operator Name and Address: MARATHON OIL PERMIAN LLC [372098] 600 W Illinois Ave Midland, TX 79701		API Number: 30-015-57453
		Well: Magellan BS Fee #501H
Created By	Comment	Comment Date
jeffrey.harrison	Defining well for HSU.	11/7/2025

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Form APD Conditions

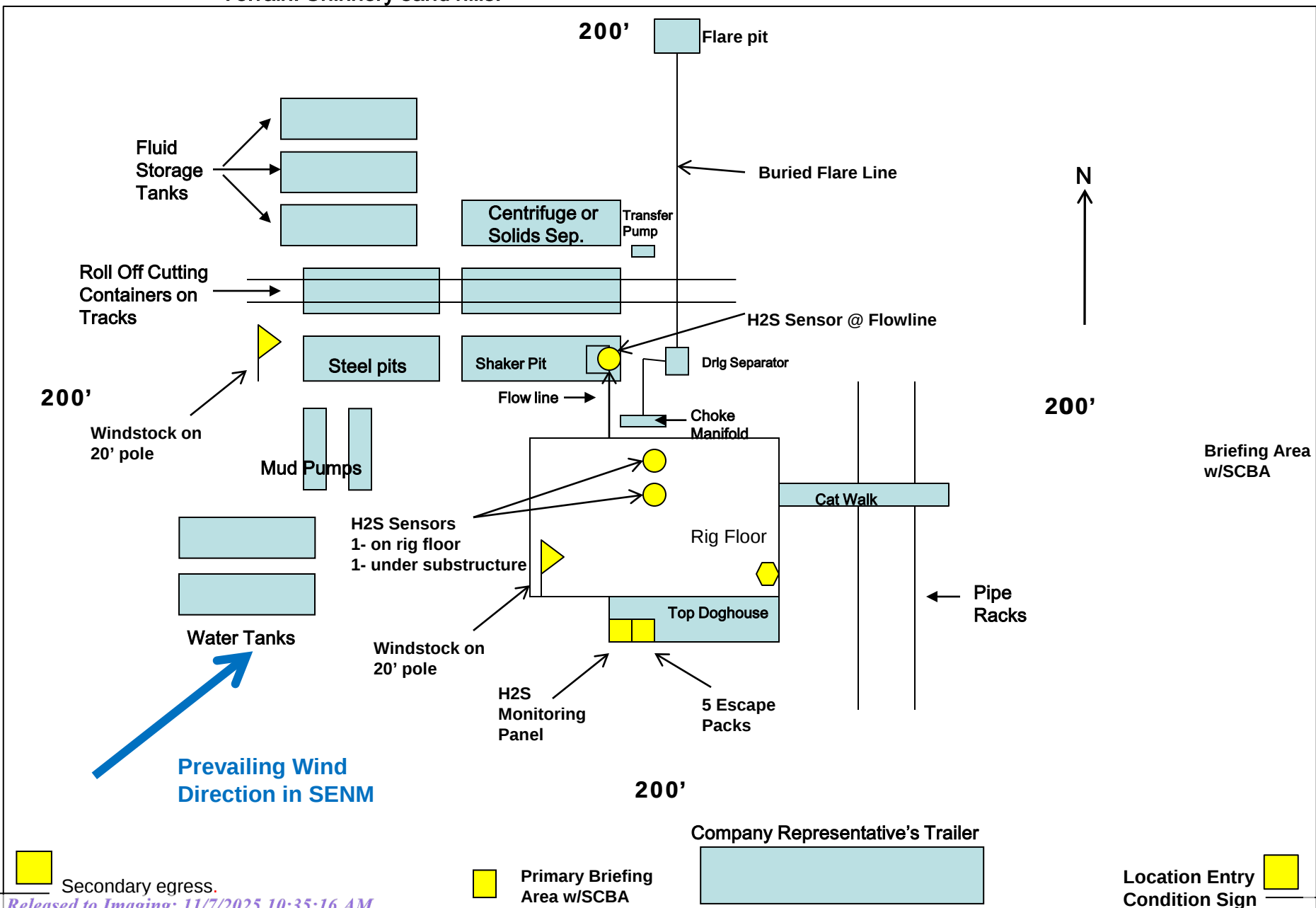
Permit 402234

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MARATHON OIL PERMIAN LLC [372098] 600 W Illinois Ave Midland, TX 79701	API Number: 30-015-57453
	Well: Magellan BS Fee #501H

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 intermediate1 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.

COC 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

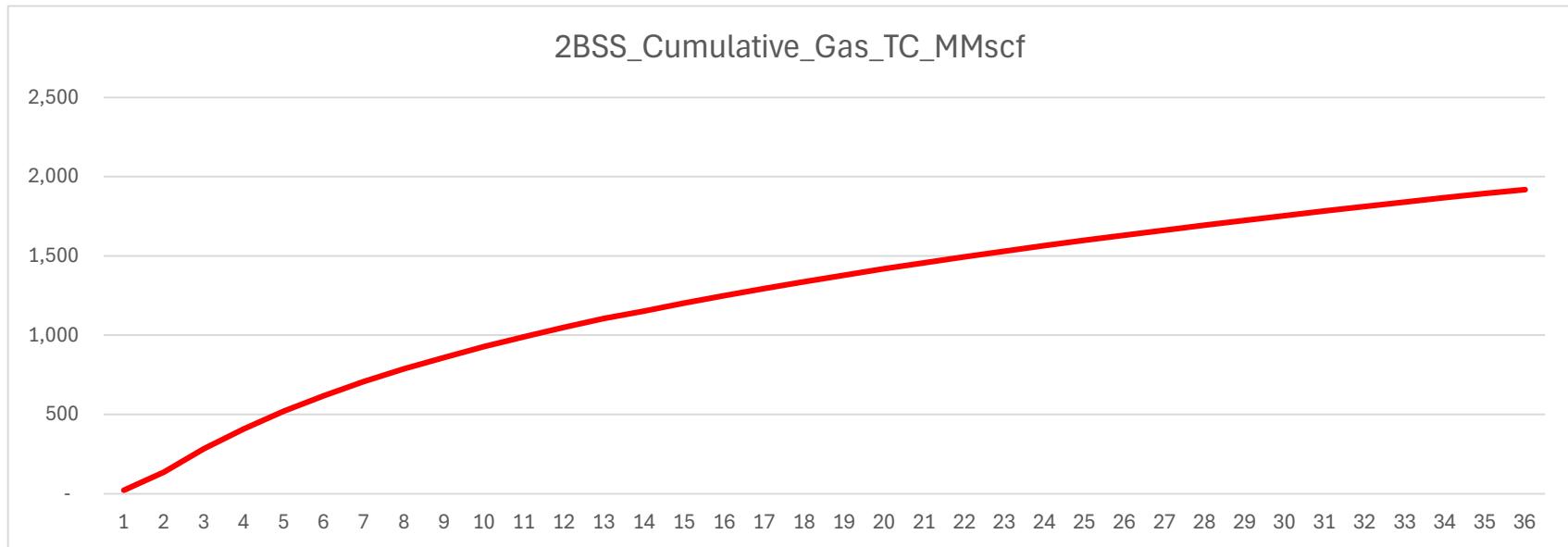
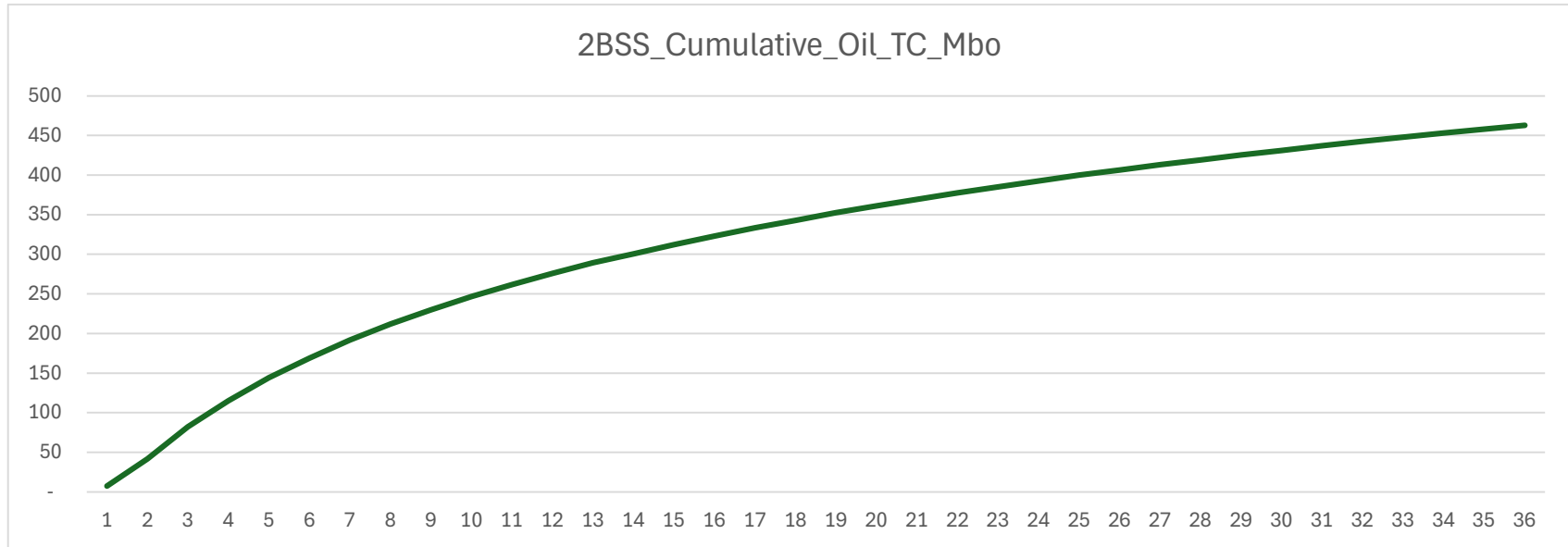
- Operator will curtail or shut in production, within reasonable limits, during upset conditions to minimize venting and flaring.
- When feasible, Operator will use equipment to capture gas that would otherwise be vented or flared.
- During completions and production operations Operator will minimize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

Waste Minimization Plan

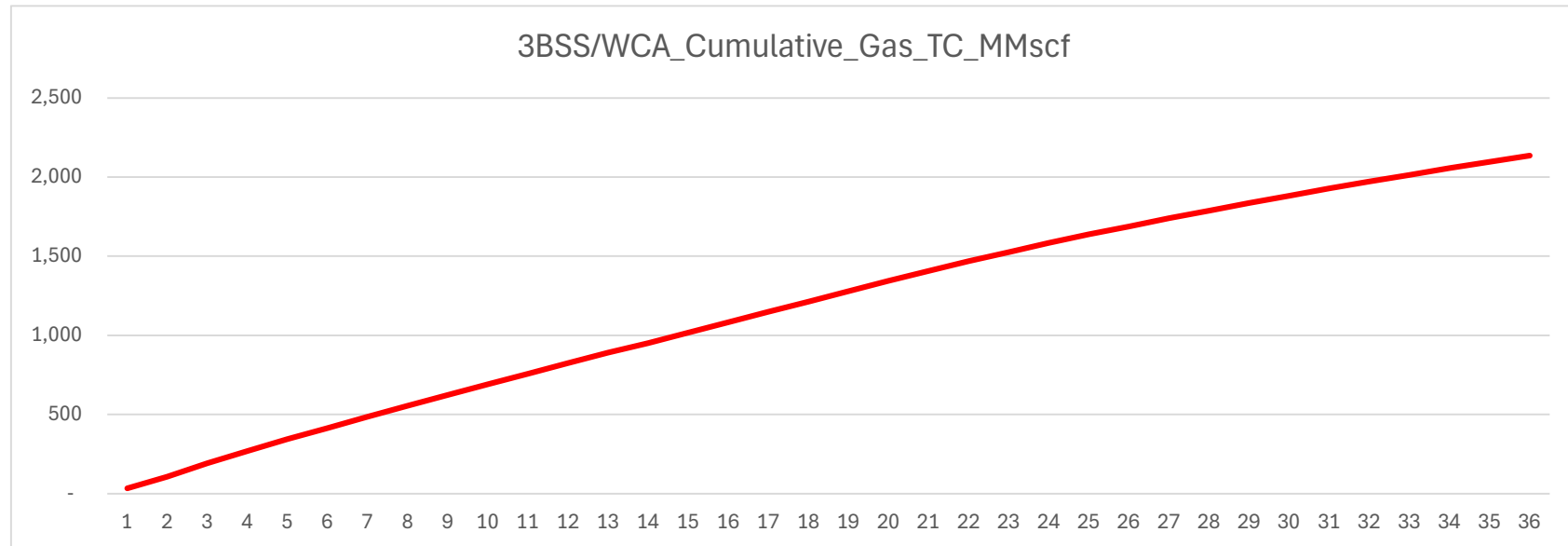
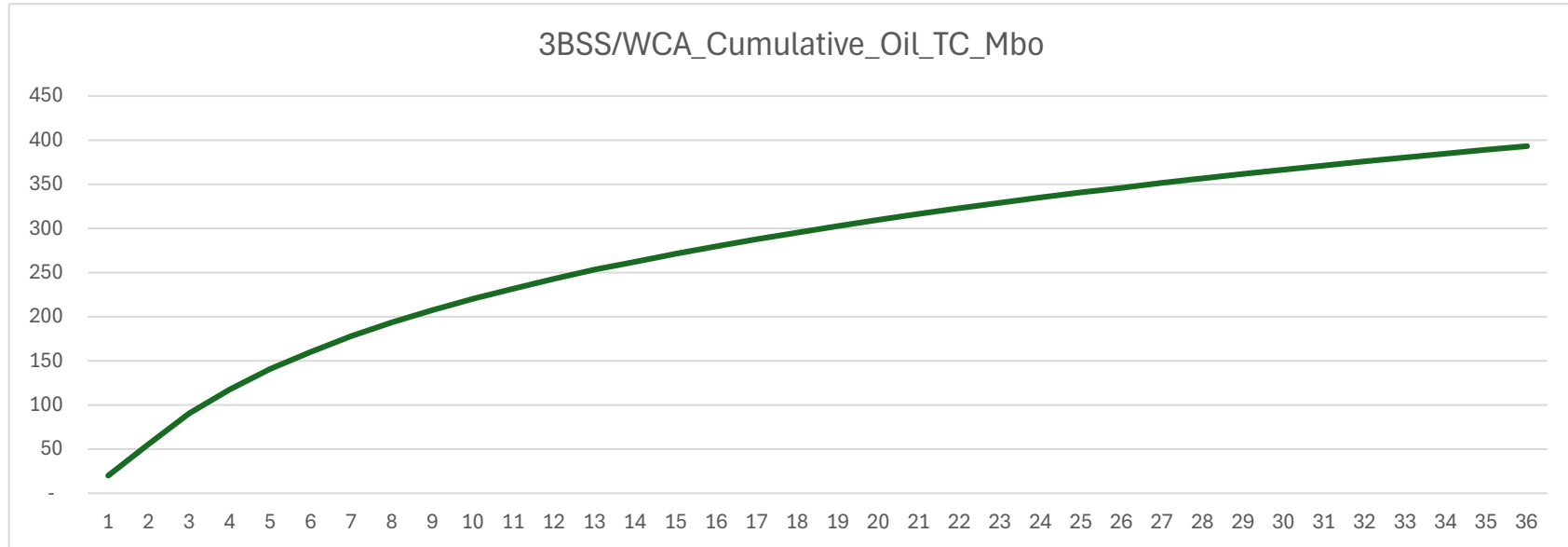
Per § 3162.3-1 Drilling applications and plans. Part J:

- (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 BS FEE 501H

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#	7,300'	1150	0
Production	6.75"	5.5"	23#	18,130'	900	5,500'

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 ~7,300' 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 18,130' with OBM. Run 5-1/2" 23# P110 BTC/W441 casing from 0' – TD and cement to 5,500' 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 BS FEE 501H

OWB

PWP1

Anticollision Report

16 October, 2025

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MAGELLAN BS FEE 501H
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 BS FEE 501H	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	7,408.6	PWP1 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5
7,408.6	18,129.8	PWP1 (OWB)	r.5 MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + SAG + FDIR Corr.

Summary						
	Reference	Offset	Distance			
Site Name	Measured	Measured	Between	Between	Separation	Warning
Offset Well - Wellbore - Design	Depth	Depth	Centres	Ellipses	Factor	
	(usft)	(usft)	(usft)	(usft)		
MAGELLAN PROJECT						
CALVANI 001_PA - OWB - AWP	10,574.9	7,822.6	720.7	438.6	2.555	Normal Operations, CC, ES, SF
HOWARD HEMLER COM 001_PA - OWB - AWP	7,888.7	7,765.2	743.7	467.1	2.689	Normal Operations, CC
HOWARD HEMLER COM 001_PA - OWB - AWP	7,900.0	7,771.2	743.8	466.9	2.687	Normal Operations, ES
HOWARD HEMLER COM 001_PA - OWB - AWP	7,925.0	7,783.5	744.4	467.0	2.684	Normal Operations, SF
MAGELLAN WC FEE 701H - OWB - PWP1	2,000.0	2,000.0	20.0	8.5	1.744	Caution - Monitor Closely, CC, ES, SF
MAGELLAN WC FEE 702H - OWB - PWP1	2,000.0	2,000.0	20.0	8.5	1.744	Caution - Monitor Closely, CC, ES, SF
ROGERS 001 - OWB - AWP	11,900.0	7,816.2	607.5	322.3	2.130	Caution - Monitor Closely, CC
ROGERS 001 - OWB - AWP	11,904.4	7,816.2	607.5	322.3	2.130	Caution - Monitor Closely, ES, SF
SKEEN 001_PA - OWB - AWP	14,541.0	7,806.6	557.5	259.7	1.872	Caution - Monitor Closely, CC, ES, SF
SKEEN 002_PA - OWB - AWP	16,886.7	7,801.6	184.3	-128.3	0.590	STOP Drilling, CC, ES, SF

Offset Design:	MAGELLAN PROJECT - CALVANI 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:							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
9,900.0	7,869.0	7,822.6	7,821.0	27.0	199.0	90.00	-572.1	2,659.0	987.4	707.4	279.99	3.526	
10,000.0	7,869.0	7,822.6	7,821.0	28.0	199.0	90.00	-572.1	2,659.0	921.9	641.6	280.25	3.290	
10,100.0	7,869.0	7,822.6	7,821.0	29.0	199.0	90.00	-572.1	2,659.0	863.1	582.5	280.54	3.076	
10,200.0	7,869.0	7,822.6	7,821.0	30.0	199.0	90.00	-572.1	2,659.0	812.4	531.5	280.88	2.892	Normal Operations
10,300.0	7,869.0	7,822.6	7,821.0	31.0	199.0	90.00	-572.1	2,659.0	771.3	490.1	281.25	2.743	Normal Operations
10,400.0	7,869.0	7,822.6	7,821.0	32.0	199.0	90.00	-572.1	2,659.0	741.6	460.0	281.60	2.633	Normal Operations
10,500.0	7,869.0	7,822.6	7,821.0	33.1	199.0	90.00	-572.1	2,659.0	724.6	442.6	281.91	2.570	Normal Operations
10,574.9	7,869.0	7,822.6	7,821.0	33.9	199.0	90.00	-572.1	2,659.0	720.7	438.6	282.08	2.555	Normal Operations, CC, ES, SF
10,600.0	7,869.0	7,822.6	7,821.0	34.1	199.0	90.00	-572.1	2,659.0	721.1	439.0	282.13	2.556	Normal Operations
10,700.0	7,869.0	7,822.6	7,821.0	35.2	199.0	90.00	-572.1	2,659.0	731.5	449.2	282.23	2.592	Normal Operations
10,800.0	7,869.0	7,822.6	7,821.0	36.2	199.0	90.00	-572.1	2,659.0	755.0	472.8	282.22	2.675	Normal Operations
10,900.0	7,869.0	7,822.6	7,821.0	37.3	199.0	90.00	-572.1	2,659.0	790.6	508.5	282.11	2.803	Normal Operations
11,000.0	7,869.0	7,822.6	7,821.0	38.3	199.0	90.00	-572.1	2,659.0	836.7	554.8	281.94	2.968	Normal Operations
11,100.0	7,869.0	7,822.6	7,821.0	39.4	199.0	90.00	-572.1	2,659.0	891.7	610.0	281.73	3.165	
11,200.0	7,869.0	7,822.6	7,821.0	40.5	199.0	90.00	-572.1	2,659.0	954.0	672.5	281.52	3.389	

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 BS FEE 501H
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 BS FEE 501H	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		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	-1.06	886.2	-16.4	886.9				
100.0	100.0	69.0	69.0	0.8	2.2	-1.06	886.2	-16.4	886.4	882.6	3.80	233.425	
200.0	200.0	169.0	169.0	1.4	5.5	-1.06	886.2	-16.4	886.4	878.0	8.38	105.753	
300.0	300.0	269.0	269.0	1.9	7.9	-1.06	886.2	-16.4	886.4	874.5	11.85	74.785	
400.0	400.0	381.8	381.7	2.2	10.3	-1.06	886.5	-16.4	886.7	871.5	15.19	58.388	
471.1	471.1	440.1	440.1	2.5	11.9	-1.06	886.2	-16.4	886.4	869.0	17.40	50.939	
500.0	500.0	469.1	469.0	2.6	12.7	-1.06	886.2	-16.4	886.4	867.8	18.60	47.657	
600.0	600.0	569.1	569.0	2.8	15.7	-1.06	886.2	-16.4	886.4	863.6	22.74	38.985	
700.0	700.0	669.1	669.0	3.1	18.0	-1.06	886.2	-16.4	886.4	860.3	26.04	34.033	
800.0	800.0	781.9	781.7	3.3	20.4	-1.06	886.5	-16.4	886.7	857.4	29.34	30.222	
830.8	830.8	818.4	818.2	3.4	21.2	-1.06	885.8	-16.4	886.2	855.8	30.40	29.146	
900.0	900.0	869.2	869.0	3.6	22.8	-1.06	886.2	-16.4	886.4	853.6	32.74	27.072	
1,000.0	1,000.0	969.2	969.0	3.8	25.8	-1.06	886.2	-16.4	886.4	849.5	36.88	24.036	
1,100.0	1,100.0	1,069.2	1,069.0	4.0	28.2	-1.06	886.2	-16.4	886.4	846.2	40.18	22.062	
1,200.0	1,200.0	1,182.0	1,181.7	4.2	30.5	-1.06	886.5	-16.4	886.7	843.3	43.46	20.402	
1,230.7	1,230.7	1,218.3	1,218.1	4.2	31.3	-1.06	885.9	-16.4	886.2	841.7	44.52	19.906	
1,300.0	1,300.0	1,269.2	1,269.0	4.4	32.9	-1.06	886.2	-16.4	886.4	839.5	46.86	18.914	
1,400.0	1,400.0	1,369.2	1,369.0	4.6	35.9	-1.06	886.2	-16.4	886.4	835.4	51.00	17.380	
1,500.0	1,500.0	1,469.3	1,469.0	4.7	38.3	-1.06	886.2	-16.4	886.4	832.1	54.29	16.325	
1,600.0	1,600.0	1,582.1	1,581.7	4.9	40.6	-1.06	886.5	-16.4	886.7	829.1	57.58	15.400	
1,630.5	1,630.5	1,618.1	1,617.8	5.0	41.4	-1.06	885.9	-16.4	886.2	827.6	58.62	15.117	
1,700.0	1,700.0	1,669.3	1,669.0	5.1	43.0	-1.06	886.2	-16.4	886.4	825.4	60.98	14.535	
1,800.0	1,800.0	1,769.3	1,769.0	5.2	46.0	-1.06	886.2	-16.4	886.4	821.2	65.11	13.612	
1,900.0	1,900.0	1,869.4	1,869.0	5.4	48.4	-1.06	886.2	-16.4	886.4	817.9	68.41	12.957	
2,000.0	2,000.0	1,982.1	1,981.7	5.6	50.7	-1.06	886.5	-16.4	886.7	815.0	71.69	12.369	
2,100.0	2,100.0	2,069.4	2,069.0	5.7	53.2	58.03	886.2	-16.4	885.7	810.6	75.09	11.794	
2,200.0	2,199.9	2,169.3	2,168.9	5.9	56.1	58.27	886.2	-16.4	883.6	804.4	79.22	11.153	
2,300.0	2,299.7	2,269.1	2,268.7	6.1	58.5	58.67	886.2	-16.4	880.2	797.6	82.51	10.667	
2,400.0	2,399.3	2,381.2	2,380.7	6.3	60.8	59.32	886.5	-16.4	875.8	790.0	85.77	10.211	
2,500.0	2,498.6	2,468.1	2,467.6	6.6	63.2	59.99	886.2	-16.4	869.4	780.3	89.15	9.753	
2,533.3	2,531.6	2,501.1	2,500.6	6.6	64.2	60.27	886.2	-16.4	867.2	776.7	90.51	9.581	
2,600.0	2,597.6	2,567.1	2,566.6	6.7	66.2	60.80	886.2	-16.4	862.6	769.4	93.24	9.252	
2,700.0	2,696.6	2,666.2	2,665.6	7.0	68.5	61.61	886.2	-16.4	855.8	759.3	96.53	8.866	
2,800.0	2,795.7	2,776.6	2,776.0	7.2	70.8	62.52	886.6	-16.4	849.7	750.0	99.74	8.519	
2,900.0	2,894.7	2,864.3	2,863.7	7.5	73.2	63.26	886.2	-16.4	842.9	739.8	103.10	8.175	
3,000.0	2,993.7	2,963.3	2,962.7	7.8	76.2	64.10	886.2	-16.4	836.6	729.4	107.20	7.805	
3,100.0	3,092.8	3,062.4	3,061.8	8.1	78.5	64.96	886.2	-16.4	830.6	720.1	110.54	7.514	
3,200.0	3,191.8	3,171.7	3,171.1	8.4	80.8	65.92	886.6	-16.4	825.3	711.5	113.72	7.257	
3,300.0	3,290.8	3,260.5	3,259.8	8.8	83.2	66.71	886.2	-16.4	819.1	702.1	117.06	6.998	
3,400.0	3,389.8	3,359.5	3,358.8	9.1	86.1	67.60	886.2	-16.4	813.7	692.5	121.16	6.716	
3,500.0	3,488.9	3,458.6	3,457.9	9.4	88.6	68.51	886.2	-16.4	808.4	683.9	124.55	6.491	
3,600.0	3,587.9	3,566.9	3,566.1	9.8	90.8	69.50	886.7	-16.4	803.9	676.2	127.70	6.296	
3,700.0	3,686.9	3,656.6	3,655.9	10.2	93.2	70.35	886.2	-16.4	798.6	667.5	131.02	6.095	
3,800.0	3,785.9	3,755.7	3,754.9	10.5	96.1	71.29	886.2	-16.4	794.0	658.8	135.12	5.876	
3,847.0	3,832.5	3,802.3	3,801.5	10.7	97.5	71.73	886.2	-16.4	791.9	654.8	137.02	5.779	
3,900.0	3,885.0	3,854.8	3,854.0	10.8	98.6	72.20	886.2	-16.4	789.6	651.1	138.54	5.699	
4,000.0	3,984.3	3,962.4	3,961.6	11.2	100.8	73.06	886.7	-16.4	786.5	644.9	141.67	5.552	
4,100.0	4,083.7	4,053.5	4,052.7	11.6	103.2	73.70	886.2	-16.4	783.0	638.0	145.00	5.400	
4,200.0	4,183.3	4,153.2	4,152.3	11.9	106.2	74.28	886.2	-16.4	780.6	631.5	149.12	5.235	
4,300.0	4,283.1	4,253.0	4,252.1	12.3	108.7	74.75	886.2	-16.4	778.7	626.1	152.60	5.103	
4,400.0	4,383.0	4,360.8	4,359.9	12.6	110.9	75.12	886.7	-16.4	778.0	622.2	155.74	4.995	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MAGELLAN BS FEE 501H
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 BS FEE 501H	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		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
4,500.0	4,482.9	4,452.8	4,451.9	12.9	113.3	75.34	886.2	-16.4	776.5	617.4	159.07	4.881	
4,600.0	4,582.9	4,552.8	4,551.9	13.1	116.3	75.46	886.2	-16.4	776.1	612.9	163.21	4.755	
4,647.0	4,629.9	4,599.8	4,598.9	13.2	117.7	16.47	886.2	-16.4	776.0	610.9	165.15	4.699	
4,700.0	4,682.9	4,652.8	4,651.9	13.2	118.8	16.47	886.2	-16.4	776.0	609.3	166.70	4.655	
4,800.0	4,782.9	4,760.8	4,759.8	13.2	121.0	16.46	886.7	-16.4	776.6	606.8	169.83	4.573	
4,900.0	4,882.9	4,852.9	4,851.9	13.3	123.4	16.47	886.2	-16.4	776.0	602.9	173.17	4.481	
5,000.0	4,982.9	4,952.9	4,951.9	13.4	126.4	16.47	886.2	-16.4	776.0	598.7	177.30	4.377	
5,100.0	5,082.9	5,052.9	5,051.9	13.4	128.9	16.47	886.2	-16.4	776.0	595.2	180.79	4.292	
5,200.0	5,182.9	5,160.9	5,159.8	13.5	131.1	16.46	886.7	-16.4	776.6	592.7	183.93	4.222	
5,300.0	5,282.9	5,252.9	5,251.9	13.6	133.5	16.47	886.2	-16.4	776.0	588.8	187.27	4.144	
5,400.0	5,382.9	5,352.9	5,351.9	13.6	136.5	16.47	886.2	-16.4	776.0	584.6	191.41	4.054	
5,500.0	5,482.9	5,453.0	5,451.9	13.7	139.0	16.47	886.2	-16.4	776.0	581.1	194.90	3.982	
5,600.0	5,582.9	5,561.0	5,559.8	13.8	141.2	16.46	886.7	-16.4	776.6	578.6	198.03	3.922	
5,700.0	5,682.9	5,653.0	5,651.9	13.8	143.6	16.47	886.2	-16.4	776.0	574.7	201.37	3.854	
5,800.0	5,782.9	5,753.0	5,751.9	13.9	146.6	16.47	886.2	-16.4	776.0	570.5	205.51	3.776	
5,900.0	5,882.9	5,853.1	5,851.9	13.9	149.1	16.47	886.2	-16.4	776.0	567.0	209.00	3.713	
6,000.0	5,982.9	5,961.0	5,959.8	14.0	151.4	16.46	886.7	-16.4	776.6	564.5	212.13	3.661	
6,100.0	6,082.9	6,053.1	6,051.9	14.1	153.7	16.47	886.2	-16.4	776.0	560.6	215.47	3.602	
6,200.0	6,182.9	6,153.1	6,151.9	14.1	156.7	16.47	886.2	-16.4	776.0	556.4	219.61	3.534	
6,300.0	6,282.9	6,253.1	6,251.9	14.2	159.2	16.47	886.2	-16.4	776.0	552.9	223.10	3.478	
6,400.0	6,382.9	6,361.1	6,359.9	14.3	161.5	16.46	886.7	-16.4	776.6	550.4	226.23	3.433	
6,500.0	6,482.9	6,453.2	6,451.9	14.3	163.8	16.47	886.2	-16.4	776.0	546.5	229.58	3.380	
6,600.0	6,582.9	6,553.2	6,551.9	14.4	166.8	16.47	886.2	-16.4	776.0	542.3	233.71	3.320	
6,700.0	6,682.9	6,653.2	6,651.9	14.5	169.3	16.47	886.2	-16.4	776.0	538.8	237.20	3.272	
6,800.0	6,782.9	6,761.2	6,759.9	14.5	171.6	16.46	886.7	-16.4	776.6	536.3	240.33	3.231	
6,900.0	6,882.9	6,853.3	6,851.9	14.6	174.0	16.47	886.2	-16.4	776.0	532.4	243.68	3.185	
7,000.0	6,982.9	6,953.3	6,951.9	14.7	176.9	16.47	886.2	-16.4	776.0	528.2	247.82	3.131	
7,100.0	7,082.9	7,053.3	7,051.9	14.7	179.4	16.47	886.2	-16.4	776.0	524.7	251.30	3.088	
7,200.0	7,182.9	7,161.3	7,159.9	14.8	181.7	16.46	886.7	-16.4	776.6	522.2	254.44	3.052	
7,300.0	7,282.9	7,253.3	7,251.9	14.9	184.1	16.47	886.2	-16.4	776.0	518.2	257.78	3.010	
7,400.0	7,382.9	7,353.3	7,351.9	14.9	187.0	16.47	886.2	-16.4	776.0	514.1	261.92	2.963 Normal Operations	
7,408.6	7,391.5	7,362.0	7,360.5	14.9	187.3	16.47	886.2	-16.4	776.0	513.8	262.28	2.959 Normal Operations	
7,425.0	7,407.9	7,378.3	7,376.9	14.9	187.8	-73.43	886.2	-16.4	776.0	513.0	262.96	2.951 Normal Operations	
7,450.0	7,432.8	7,403.3	7,401.8	15.0	188.5	-73.59	886.2	-16.4	775.5	511.6	263.95	2.938 Normal Operations	
7,475.0	7,457.7	7,428.2	7,426.7	15.0	189.0	-73.88	886.2	-16.4	774.7	510.1	264.67	2.927 Normal Operations	
7,500.0	7,482.3	7,452.8	7,451.3	15.0	189.5	-74.30	886.2	-16.4	773.6	508.2	265.39	2.915 Normal Operations	
7,525.0	7,506.7	7,477.2	7,475.7	15.0	190.0	-74.84	886.2	-16.4	772.1	506.0	266.10	2.902 Normal Operations	
7,550.0	7,530.8	7,501.5	7,500.0	15.0	190.5	-75.53	887.1	-16.4	771.2	504.4	266.81	2.890 Normal Operations	
7,575.0	7,554.5	7,528.8	7,527.3	15.0	191.1	-76.40	887.0	-16.4	769.1	501.5	267.60	2.874 Normal Operations	
7,600.0	7,577.8	7,555.6	7,554.0	15.0	191.7	-77.39	886.8	-16.4	766.7	498.3	268.37	2.857 Normal Operations	
7,625.0	7,600.6	7,581.8	7,580.2	15.0	192.2	-78.50	886.5	-16.4	764.0	494.9	269.12	2.839 Normal Operations	
7,650.0	7,622.7	7,607.3	7,605.7	15.0	192.7	-79.71	886.1	-16.4	761.1	491.3	269.84	2.821 Normal Operations	
7,675.0	7,644.3	7,614.8	7,613.3	15.1	193.0	-80.34	886.2	-16.4	758.5	488.2	270.29	2.806 Normal Operations	
7,700.0	7,665.1	7,635.7	7,634.1	15.1	193.6	-81.51	886.2	-16.4	755.9	484.8	271.16	2.788 Normal Operations	
7,725.0	7,685.2	7,655.8	7,654.2	15.1	194.2	-82.71	886.2	-16.4	753.4	481.4	271.99	2.770 Normal Operations	
7,750.0	7,704.5	7,675.1	7,673.5	15.1	194.8	-83.93	886.2	-16.4	751.0	478.2	272.80	2.753 Normal Operations	
7,775.0	7,723.0	7,693.5	7,692.0	15.1	195.4	-85.14	886.2	-16.4	748.9	475.3	273.56	2.737 Normal Operations	
7,800.0	7,740.5	7,711.1	7,709.5	15.1	195.9	-86.32	886.2	-16.4	747.0	472.7	274.30	2.723 Normal Operations	
7,825.0	7,757.1	7,727.6	7,726.1	15.1	196.4	-87.46	886.2	-16.4	745.5	470.5	274.99	2.711 Normal Operations	
7,850.0	7,772.7	7,743.2	7,741.7	15.2	196.8	-88.52	886.2	-16.4	744.4	468.7	275.64	2.701 Normal Operations	
7,875.0	7,787.2	7,757.7	7,756.2	15.2	197.3	-89.51	886.2	-16.4	743.8	467.5	276.25	2.692 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 BS FEE 501H
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 BS FEE 501H	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)			
7,888.7	7,794.7	7,765.2	7,763.7	15.2	197.5	-90.00	886.2	-16.4	743.7	467.1	276.57	2.689 Normal Operations, CC	
7,900.0	7,800.6	7,771.2	7,769.6	15.2	197.7	-90.38	886.2	-16.4	743.8	466.9	276.82	2.687 Normal Operations, ES	
7,925.0	7,813.0	7,783.5	7,782.0	15.2	198.0	-91.14	886.2	-16.4	744.4	467.0	277.34	2.684 Normal Operations, SF	
7,950.0	7,824.1	7,794.7	7,793.1	15.2	198.4	-91.75	886.2	-16.4	745.6	467.8	277.81	2.684 Normal Operations	
7,975.0	7,834.1	7,804.7	7,803.1	15.3	198.6	-92.21	886.2	-16.4	747.6	469.5	278.18	2.688 Normal Operations	
8,000.0	7,842.9	7,813.5	7,811.9	15.3	198.8	-92.51	886.2	-16.4	750.4	471.9	278.45	2.695 Normal Operations	
8,025.0	7,850.4	7,821.0	7,819.4	15.3	199.0	-92.63	886.2	-16.4	753.9	475.3	278.69	2.705 Normal Operations	
8,050.0	7,856.7	7,827.3	7,825.7	15.3	199.1	-92.57	886.2	-16.4	758.3	479.4	278.88	2.719 Normal Operations	
8,075.0	7,861.7	7,832.3	7,830.7	15.4	199.2	-92.32	886.2	-16.4	763.5	484.4	279.05	2.736 Normal Operations	
8,100.0	7,865.4	7,836.0	7,834.4	15.4	199.3	-91.86	886.2	-16.4	769.4	490.3	279.17	2.756 Normal Operations	
8,125.0	7,867.8	7,838.4	7,836.8	15.4	199.3	-91.21	886.2	-16.4	776.2	496.9	279.26	2.779 Normal Operations	
8,150.0	7,868.9	7,839.5	7,837.9	15.4	199.3	-90.34	886.2	-16.4	783.7	504.4	279.31	2.806 Normal Operations	
8,158.6	7,869.0	7,839.6	7,838.0	15.4	199.3	-90.00	886.2	-16.4	786.5	507.1	279.32	2.816 Normal Operations	
8,200.0	7,869.0	7,839.6	7,838.0	15.5	199.3	-90.00	886.2	-16.4	800.9	521.5	279.34	2.867 Normal Operations	
8,300.0	7,869.0	7,839.6	7,838.0	15.7	199.3	-90.00	886.2	-16.4	843.1	563.7	279.41	3.017	
8,400.0	7,869.0	7,839.6	7,838.0	15.9	199.3	-90.00	886.2	-16.4	894.6	615.1	279.47	3.201	
8,500.0	7,869.0	7,839.6	7,838.0	16.2	199.3	-90.00	886.2	-16.4	953.8	674.3	279.51	3.412	

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 BS FEE 501H
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 BS FEE 501H	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	-179.83	-20.0	-0.1	20.0				
100.0	100.0	100.0	100.0	0.8	0.8	-179.83	-20.0	-0.1	20.0	18.0	2.02	9.889	
200.0	200.0	200.0	200.0	1.4	1.4	-179.83	-20.0	-0.1	20.0	16.7	3.34	5.983	
300.0	300.0	300.0	300.0	1.9	1.9	-179.83	-20.0	-0.1	20.0	15.8	4.23	4.732	
400.0	400.0	400.0	400.0	2.2	2.2	-179.83	-20.0	-0.1	20.0	15.1	4.94	4.046	
500.0	500.0	500.0	500.0	2.6	2.6	-179.83	-20.0	-0.1	20.0	14.4	5.56	3.594	
600.0	600.0	600.0	600.0	2.8	2.8	-179.83	-20.0	-0.1	20.0	13.9	6.12	3.267	
700.0	700.0	700.0	700.0	3.1	3.1	-179.83	-20.0	-0.1	20.0	13.4	6.63	3.015	
800.0	800.0	800.0	800.0	3.3	3.3	-179.83	-20.0	-0.1	20.0	12.9	7.11	2.814 Normal Operations	
900.0	900.0	900.0	900.0	3.6	3.6	-179.83	-20.0	-0.1	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	-179.83	-20.0	-0.1	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	-179.83	-20.0	-0.1	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	-179.83	-20.0	-0.1	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	-179.83	-20.0	-0.1	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	-179.83	-20.0	-0.1	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	-179.83	-20.0	-0.1	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	-179.83	-20.0	-0.1	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	-179.83	-20.0	-0.1	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	-179.83	-20.0	-0.1	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	-179.83	-20.0	-0.1	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	-179.83	-20.0	-0.1	20.0	8.5	11.47	1.744 Caution - Monitor Closely, CC, ES, SF	
2,100.0	2,100.0	2,099.2	2,099.2	5.7	5.8	-123.55	-21.7	-0.1	22.4	10.6	11.84	1.894 Caution - Monitor Closely	
2,200.0	2,199.9	2,198.0	2,197.9	5.9	6.0	-129.00	-26.8	-0.2	29.9	17.7	12.20	2.453 Caution - Monitor Closely	
2,300.0	2,299.7	2,296.0	2,295.4	6.1	6.2	-133.72	-35.3	-0.4	42.7	30.1	12.56	3.396	
2,400.0	2,399.3	2,392.6	2,391.4	6.3	6.5	-136.92	-46.9	-0.7	60.7	47.7	12.94	4.686	
2,500.0	2,498.6	2,487.6	2,485.3	6.6	6.8	-138.95	-61.4	-1.1	83.8	70.4	13.35	6.278	
2,533.3	2,531.6	2,519.4	2,516.6	6.6	6.8	-139.46	-66.9	-1.2	92.5	79.1	13.45	6.878	
2,600.0	2,597.6	2,583.6	2,579.8	6.7	7.0	-140.48	-78.0	-1.5	110.4	96.7	13.69	8.061	
2,700.0	2,696.6	2,680.0	2,674.7	7.0	7.2	-141.51	-94.8	-1.9	137.1	123.0	14.11	9.714	
2,800.0	2,795.7	2,776.3	2,769.5	7.2	7.5	-142.21	-111.5	-2.3	163.9	149.3	14.57	11.252	
2,900.0	2,894.7	2,872.6	2,864.4	7.5	7.8	-142.71	-128.2	-2.8	190.7	175.7	15.04	12.676	
3,000.0	2,993.7	2,968.9	2,959.3	7.8	8.1	-143.08	-144.9	-3.2	217.5	202.0	15.55	13.993	
3,100.0	3,092.8	3,065.3	3,054.1	8.1	8.4	-143.38	-161.7	-3.6	244.3	228.3	16.07	15.208	
3,200.0	3,191.8	3,163.5	3,150.9	8.4	8.7	-143.63	-178.5	-4.0	271.0	254.4	16.61	16.320	
3,300.0	3,290.8	3,264.8	3,250.9	8.8	9.0	-143.97	-194.5	-4.4	296.4	279.2	17.20	17.236	
3,400.0	3,389.8	3,366.8	3,352.0	9.1	9.3	-144.40	-208.7	-4.8	320.2	302.4	17.80	17.992	
3,500.0	3,488.9	3,469.7	3,454.0	9.4	9.7	-144.91	-221.3	-5.1	342.5	324.1	18.41	18.608	
3,600.0	3,587.9	3,573.1	3,557.0	9.8	10.0	-145.49	-232.0	-5.4	363.2	344.2	19.02	19.101	
3,700.0	3,686.9	3,677.3	3,660.7	10.2	10.4	-146.13	-241.0	-5.6	382.4	362.8	19.63	19.485	
3,800.0	3,785.9	3,781.9	3,765.1	10.5	10.7	-146.85	-248.1	-5.8	400.0	379.8	20.23	19.774	
3,847.0	3,832.5	3,831.3	3,814.5	10.7	10.8	-147.20	-250.8	-5.8	407.8	387.3	20.49	19.901	
3,900.0	3,885.0	3,887.2	3,870.2	10.8	11.0	-147.65	-253.3	-5.9	415.9	395.1	20.78	20.012	
4,000.0	3,984.3	3,993.0	3,976.0	11.2	11.3	-148.43	-256.6	-6.0	428.9	407.6	21.35	20.089	
4,100.0	4,083.7	4,099.4	4,082.4	11.6	11.5	-149.16	-258.0	-6.0	439.0	417.1	21.87	20.068	
4,200.0	4,183.3	4,200.4	4,183.3	11.9	11.6	-149.77	-258.0	-6.0	446.4	424.2	22.23	20.087	
4,300.0	4,283.1	4,300.1	4,283.1	12.3	11.6	-150.24	-258.0	-6.0	452.4	429.9	22.58	20.041	
4,400.0	4,383.0	4,400.0	4,383.0	12.6	11.7	-150.59	-258.0	-6.0	457.0	434.0	22.92	19.940	
4,500.0	4,482.9	4,499.9	4,482.9	12.9	11.7	-150.81	-258.0	-6.0	460.0	436.7	23.24	19.794	
4,600.0	4,582.9	4,599.9	4,582.9	13.1	11.8	-150.92	-258.0	-6.0	461.4	437.9	23.52	19.615	
4,647.0	4,629.9	4,646.9	4,629.9	13.2	11.8	-150.06	-258.0	-6.0	461.6	438.0	23.60	19.561	
4,700.0	4,682.9	4,699.9	4,682.9	13.2	11.8	-150.06	-258.0	-6.0	461.6	438.0	23.64	19.522	

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 BS FEE 501H
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 BS FEE 501H	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	Highside	Offset Wellbore Centre	Distance	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	
4,800.0	4,782.9	4,799.9	4,782.9	13.2	11.9	150.06	-258.0	-6.0	461.6	437.8	23.77	19.421	
4,900.0	4,882.9	4,899.9	4,882.9	13.3	12.0	150.06	-258.0	-6.0	461.6	437.7	23.89	19.321	
5,000.0	4,982.9	4,999.9	4,982.9	13.4	12.0	150.06	-258.0	-6.0	461.6	437.6	24.02	19.221	
5,100.0	5,082.9	5,099.9	5,082.9	13.4	12.1	150.06	-258.0	-6.0	461.6	437.5	24.14	19.122	
5,200.0	5,182.9	5,199.9	5,182.9	13.5	12.1	150.06	-258.0	-6.0	461.6	437.3	24.26	19.023	
5,300.0	5,282.9	5,299.9	5,282.9	13.6	12.2	150.06	-258.0	-6.0	461.6	437.2	24.39	18.926	
5,400.0	5,382.9	5,399.9	5,382.9	13.6	12.2	150.06	-258.0	-6.0	461.6	437.1	24.52	18.829	
5,500.0	5,482.9	5,499.9	5,482.9	13.7	12.3	150.06	-258.0	-6.0	461.6	437.0	24.64	18.732	
5,600.0	5,582.9	5,599.9	5,582.9	13.8	12.3	150.06	-258.0	-6.0	461.6	436.8	24.77	18.636	
5,700.0	5,682.9	5,699.9	5,682.9	13.8	12.4	150.06	-258.0	-6.0	461.6	436.7	24.90	18.541	
5,800.0	5,782.9	5,799.9	5,782.9	13.9	12.5	150.06	-258.0	-6.0	461.6	436.6	25.02	18.447	
5,900.0	5,882.9	5,899.9	5,882.9	13.9	12.5	150.06	-258.0	-6.0	461.6	436.5	25.15	18.353	
6,000.0	5,982.9	5,999.9	5,982.9	14.0	12.6	150.06	-258.0	-6.0	461.6	436.3	25.28	18.260	
6,100.0	6,082.9	6,099.9	6,082.9	14.1	12.6	150.06	-258.0	-6.0	461.6	436.2	25.41	18.168	
6,200.0	6,182.9	6,199.9	6,182.9	14.1	12.7	150.06	-258.0	-6.0	461.6	436.1	25.54	18.076	
6,300.0	6,282.9	6,299.9	6,282.9	14.2	12.7	150.06	-258.0	-6.0	461.6	435.9	25.67	17.985	
6,400.0	6,382.9	6,399.9	6,382.9	14.3	12.8	150.06	-258.0	-6.0	461.6	435.8	25.80	17.894	
6,500.0	6,482.9	6,499.9	6,482.9	14.3	12.9	150.06	-258.0	-6.0	461.6	435.7	25.93	17.805	
6,600.0	6,582.9	6,599.9	6,582.9	14.4	12.9	150.06	-258.0	-6.0	461.6	435.5	26.06	17.716	
6,700.0	6,682.9	6,699.9	6,682.9	14.5	13.0	150.06	-258.0	-6.0	461.6	435.4	26.19	17.627	
6,800.0	6,782.9	6,799.9	6,782.9	14.5	13.0	150.06	-258.0	-6.0	461.6	435.3	26.32	17.539	
6,900.0	6,882.9	6,899.9	6,882.9	14.6	13.1	150.06	-258.0	-6.0	461.6	435.2	26.45	17.452	
7,000.0	6,982.9	6,999.9	6,982.9	14.7	13.2	150.06	-258.0	-6.0	461.6	435.0	26.58	17.366	
7,100.0	7,082.9	7,099.9	7,082.9	14.7	13.2	150.06	-258.0	-6.0	461.6	434.9	26.71	17.280	
7,200.0	7,182.9	7,199.9	7,182.9	14.8	13.3	150.06	-258.0	-6.0	461.6	434.8	26.85	17.195	
7,300.0	7,282.9	7,299.9	7,282.9	14.9	13.3	150.06	-258.0	-6.0	461.6	434.6	26.98	17.110	
7,400.0	7,382.9	7,399.9	7,382.9	14.9	13.4	150.06	-258.0	-6.0	461.6	434.5	27.11	17.028	
7,408.6	7,391.5	7,408.5	7,391.5	14.9	13.4	150.06	-258.0	-6.0	461.6	434.5	27.12	17.021	
7,425.0	7,407.9	7,424.9	7,407.9	14.9	13.4	60.23	-258.0	-6.0	461.5	434.3	27.13	17.009	
7,450.0	7,432.8	7,449.8	7,432.8	15.0	13.4	60.47	-258.0	-6.0	460.7	433.6	27.15	16.970	
7,475.0	7,457.7	7,474.7	7,457.7	15.0	13.4	60.92	-258.0	-6.0	459.3	432.2	27.16	16.910	
7,500.0	7,482.3	7,499.3	7,482.3	15.0	13.5	61.58	-258.0	-6.0	457.3	430.2	27.18	16.829	
7,525.0	7,506.7	7,523.8	7,506.7	15.0	13.5	62.44	-258.0	-6.0	454.8	427.6	27.19	16.728	
7,550.0	7,530.8	7,547.8	7,530.8	15.0	13.5	63.51	-258.0	-6.0	451.6	424.4	27.19	16.610	
7,575.0	7,554.5	7,571.6	7,554.5	15.0	13.5	64.77	-258.0	-6.0	448.0	420.8	27.19	16.477	
7,600.0	7,577.8	7,594.8	7,577.8	15.0	13.5	66.22	-258.0	-6.0	444.0	416.8	27.19	16.332	
7,625.0	7,600.6	7,617.6	7,600.6	15.0	13.5	67.86	-258.0	-6.0	439.6	412.5	27.18	16.178	
7,650.0	7,622.7	7,639.8	7,622.7	15.0	13.5	69.65	-258.0	-6.0	435.0	407.9	27.16	16.018	
7,675.0	7,644.3	7,661.3	7,644.3	15.1	13.6	71.59	-258.0	-6.0	430.2	403.1	27.13	15.858	
7,700.0	7,665.1	7,682.2	7,665.1	15.1	13.6	73.66	-258.0	-6.0	425.4	398.3	27.09	15.701	
7,725.0	7,685.2	7,702.3	7,685.2	15.1	13.6	75.81	-258.0	-6.0	420.6	393.6	27.05	15.552	
7,750.0	7,704.5	7,721.6	7,704.5	15.1	13.6	78.02	-258.0	-6.0	416.0	389.1	26.99	15.416	
7,775.0	7,723.0	7,740.0	7,723.0	15.1	13.6	80.24	-258.0	-6.0	411.8	384.9	26.92	15.299	
7,800.0	7,740.5	7,757.5	7,740.5	15.1	13.6	82.44	-258.0	-6.0	408.0	381.2	26.83	15.207	
7,825.0	7,757.1	7,774.1	7,757.1	15.1	13.6	84.57	-258.0	-6.0	404.9	378.1	26.73	15.144	
7,850.0	7,772.7	7,789.7	7,772.7	15.2	13.6	86.59	-258.0	-6.0	402.5	375.8	26.63	15.116	
7,875.0	7,787.2	7,804.2	7,787.2	15.2	13.6	88.46	-258.0	-6.0	401.0	374.5	26.51	15.128	
7,897.9	7,799.5	7,816.6	7,799.5	15.2	13.6	90.00	-258.0	-6.0	400.5	374.1	26.39	15.177	
7,900.0	7,800.6	7,817.7	7,800.6	15.2	13.6	90.13	-258.0	-6.0	400.5	374.1	26.38	15.184	
7,925.0	7,813.0	7,830.0	7,813.0	15.2	13.7	91.58	-258.0	-6.0	401.2	375.0	26.24	15.288	
7,950.0	7,824.1	7,841.1	7,824.1	15.2	13.7	92.78	-258.0	-6.0	403.1	377.0	26.11	15.442	

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 BS FEE 501H
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 BS FEE 501H	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		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	
7,975.0	7,834.1	7,851.1	7,834.1	15.3	13.7	93.69	-258.0	-6.0	406.4	380.4	25.97	15.648	
8,000.0	7,842.9	7,859.9	7,842.9	15.3	13.7	94.30	-258.0	-6.0	411.0	385.2	25.84	15.907	
8,025.0	7,850.4	7,867.4	7,850.4	15.3	13.7	94.58	-258.0	-6.0	417.0	391.3	25.71	16.217	
8,050.0	7,856.7	7,873.7	7,856.7	15.3	13.7	94.52	-258.0	-6.0	424.4	398.8	25.60	16.578	
8,075.0	7,861.7	7,878.7	7,861.7	15.4	13.7	94.10	-258.0	-6.0	433.1	407.6	25.50	16.987	
8,100.0	7,865.4	7,882.4	7,865.4	15.4	13.7	93.32	-258.0	-6.0	443.1	417.7	25.40	17.441	
8,125.0	7,867.8	7,884.8	7,867.8	15.4	13.7	92.16	-258.0	-6.0	454.3	429.0	25.33	17.937	
8,150.0	7,868.9	7,885.9	7,868.9	15.4	13.7	90.62	-258.0	-6.0	466.6	441.3	25.26	18.470	
8,158.6	7,869.0	7,886.0	7,869.0	15.4	13.7	90.00	-258.0	-6.0	471.1	445.8	25.24	18.663	
8,200.0	7,869.0	7,886.0	7,869.0	15.5	13.7	90.00	-258.0	-6.0	494.1	468.9	25.17	19.631	
8,300.0	7,869.0	7,886.0	7,869.0	15.7	13.7	90.00	-258.0	-6.0	558.6	533.5	25.12	22.236	
8,400.0	7,869.0	7,886.0	7,869.0	15.9	13.7	90.00	-258.0	-6.0	632.4	607.2	25.17	25.125	
8,500.0	7,869.0	7,886.0	7,869.0	16.2	13.7	90.00	-258.0	-6.0	712.6	687.3	25.26	28.209	
8,600.0	7,869.0	7,886.0	7,869.0	16.5	13.7	90.00	-258.0	-6.0	797.2	771.9	25.37	31.429	
8,700.0	7,869.0	7,886.0	7,869.0	17.0	13.7	90.00	-258.0	-6.0	885.1	859.7	25.47	34.746	
8,800.0	7,869.0	7,886.0	7,869.0	17.6	13.7	90.00	-258.0	-6.0	975.4	949.8	25.58	38.131	

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 BS FEE 501H
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 BS FEE 501H	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 702H - OWB - PWP1													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 8604-r.5 MWD+IFR1+SAG+FDIR													Offset Well Error: 0.0 usft
Reference	Offset	Semi Major Axis	Offset Wellbore Centre	Distance	Rule Assigned:								
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	0.14	20.0	0.0	20.0				
100.0	100.0	100.0	100.0	0.8	0.8	0.14	20.0	0.0	20.0	18.0	2.02	9.889	
200.0	200.0	200.0	200.0	1.4	1.4	0.14	20.0	0.0	20.0	16.7	3.34	5.983	
300.0	300.0	300.0	300.0	1.9	1.9	0.14	20.0	0.0	20.0	15.8	4.23	4.732	
400.0	400.0	400.0	400.0	2.2	2.2	0.14	20.0	0.0	20.0	15.1	4.94	4.046	
500.0	500.0	500.0	500.0	2.6	2.6	0.14	20.0	0.0	20.0	14.4	5.56	3.594	
600.0	600.0	600.0	600.0	2.8	2.8	0.14	20.0	0.0	20.0	13.9	6.12	3.267	
700.0	700.0	700.0	700.0	3.1	3.1	0.14	20.0	0.0	20.0	13.4	6.63	3.015	
800.0	800.0	800.0	800.0	3.3	3.3	0.14	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	0.14	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	0.14	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	0.14	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	0.14	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	0.14	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	0.14	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	0.14	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	0.14	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	0.14	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	0.14	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	0.14	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	0.14	20.0	0.0	20.0	8.5	11.47	1.744 Caution - Monitor Closely, CC, ES, SF	
2,100.0	2,100.0	2,099.3	2,099.3	5.7	5.8	62.12	21.7	0.0	21.1	9.3	11.84	1.781 Caution - Monitor Closely	
2,200.0	2,199.9	2,198.4	2,198.2	5.9	6.0	69.36	26.9	0.0	24.6	12.5	12.17	2.025 Caution - Monitor Closely	
2,300.0	2,299.7	2,297.2	2,296.6	6.1	6.3	77.49	35.4	-0.1	31.2	18.7	12.48	2.496 Caution - Monitor Closely	
2,400.0	2,399.3	2,395.5	2,394.2	6.3	6.5	84.29	47.3	-0.1	40.9	28.1	12.79	3.198	
2,500.0	2,498.6	2,493.1	2,490.7	6.6	6.8	89.28	62.3	-0.3	53.9	40.8	13.09	4.117	
2,533.3	2,531.6	2,525.5	2,522.6	6.6	6.9	90.59	68.1	-0.3	58.9	45.8	13.17	4.475	
2,600.0	2,597.6	2,590.0	2,585.9	6.7	7.1	92.47	80.5	-0.4	70.0	56.7	13.35	5.245	
2,700.0	2,696.6	2,686.0	2,679.5	7.0	7.4	93.33	101.7	-0.5	88.9	75.3	13.69	6.498	
2,800.0	2,795.7	2,783.5	2,774.1	7.2	7.7	93.24	125.3	-0.7	109.6	95.5	14.06	7.797	
2,900.0	2,894.7	2,881.4	2,869.0	7.5	8.0	93.18	149.0	-0.9	130.3	115.8	14.44	9.019	
3,000.0	2,993.7	2,979.2	2,964.0	7.8	8.3	93.13	172.6	-1.0	150.9	136.1	14.85	10.167	
3,100.0	3,092.8	3,077.0	3,058.9	8.1	8.6	93.09	196.3	-1.2	171.6	156.3	15.26	11.242	
3,200.0	3,191.8	3,174.9	3,153.8	8.4	8.9	93.07	220.0	-1.4	192.3	176.6	15.70	12.248	
3,300.0	3,290.8	3,272.7	3,248.8	8.8	9.3	93.04	243.6	-1.6	212.9	196.8	16.14	13.190	
3,400.0	3,389.8	3,370.5	3,343.7	9.1	9.6	93.02	267.3	-1.7	233.6	217.0	16.60	14.071	
3,500.0	3,488.9	3,468.4	3,438.6	9.4	10.0	93.01	291.0	-1.9	254.3	237.2	17.07	14.895	
3,600.0	3,587.9	3,566.2	3,533.6	9.8	10.4	93.00	314.6	-2.1	275.0	257.4	17.55	15.665	
3,700.0	3,686.9	3,664.1	3,628.5	10.2	10.8	92.98	338.3	-2.2	295.6	277.6	18.04	16.386	
3,800.0	3,785.9	3,761.9	3,723.4	10.5	11.2	92.97	362.0	-2.4	316.3	297.8	18.54	17.061	
3,847.0	3,832.5	3,807.9	3,768.1	10.7	11.3	92.97	373.1	-2.5	326.0	307.3	18.75	17.384	
3,900.0	3,885.0	3,859.8	3,818.4	10.8	11.6	93.03	385.6	-2.6	337.0	318.0	19.00	17.732	
4,000.0	3,984.3	3,957.6	3,913.3	11.2	12.0	92.94	409.3	-2.7	357.6	338.0	19.53	18.308	
4,100.0	4,083.7	4,055.4	4,008.2	11.6	12.4	92.62	433.0	-2.9	378.1	358.0	20.08	18.832	
4,200.0	4,183.3	4,153.2	4,103.1	11.9	12.8	92.09	456.6	-3.1	398.6	377.9	20.64	19.308	
4,300.0	4,283.1	4,250.8	4,197.8	12.3	13.2	91.39	480.3	-3.2	419.1	397.8	21.23	19.741	
4,400.0	4,383.0	4,348.4	4,292.5	12.6	13.6	90.55	503.8	-3.4	439.6	417.8	21.83	20.135	
4,500.0	4,482.9	4,445.8	4,387.0	12.9	14.1	89.59	527.4	-3.6	460.4	437.9	22.46	20.495	
4,600.0	4,582.9	4,543.0	4,481.3	13.1	14.5	88.52	550.9	-3.8	481.3	458.2	23.11	20.827	
4,647.0	4,629.9	4,588.7	4,525.6	13.2	14.7	28.97	562.0	-3.8	491.3	467.9	23.40	20.991	
4,700.0	4,682.9	4,640.1	4,575.5	13.2	14.9	28.26	574.4	-3.9	502.5	478.8	23.74	21.170	

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 BS FEE 501H
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 BS FEE 501H	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 702H - OWB - PWP1													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 8604-r.5 MWD+IFR1+SAG+FDIR													Offset Well Error: 0.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		No-Go		Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Distance (usft)		
4,800.0	4,782.9	4,737.1	4,669.6	13.2	15.4	27.00	597.9	-4.1	524.0	499.6	24.41	21.470	
4,900.0	4,882.9	4,834.1	4,763.8	13.3	15.8	25.84	621.4	-4.3	545.8	520.7	25.08	21.760	
5,000.0	4,982.9	4,931.2	4,857.9	13.4	16.2	24.76	644.8	-4.4	567.7	541.9	25.76	22.041	
5,100.0	5,082.9	5,028.2	4,952.1	13.4	16.7	23.77	668.3	-4.6	589.8	563.3	26.43	22.312	
5,200.0	5,182.9	5,125.2	5,046.2	13.5	17.1	22.85	691.8	-4.8	612.0	584.9	27.11	22.576	
5,300.0	5,282.9	5,222.2	5,140.4	13.6	17.6	21.99	715.2	-4.9	634.4	606.6	27.79	22.830	
5,400.0	5,382.9	5,319.3	5,234.5	13.6	18.0	21.19	738.7	-5.1	656.9	628.5	28.47	23.077	
5,500.0	5,482.9	5,416.3	5,328.7	13.7	18.5	20.44	762.2	-5.3	679.6	650.4	29.15	23.316	
5,600.0	5,582.9	5,513.3	5,422.8	13.8	18.9	19.74	785.7	-5.4	702.3	672.5	29.83	23.547	
5,700.0	5,682.9	5,610.4	5,517.0	13.8	19.4	19.08	809.1	-5.6	725.2	694.7	30.51	23.770	
5,800.0	5,782.9	5,707.4	5,611.1	13.9	19.8	18.47	832.6	-5.8	748.1	716.9	31.19	23.987	
5,900.0	5,882.9	5,804.4	5,705.3	13.9	20.3	17.89	856.1	-5.9	771.1	739.2	31.87	24.197	
6,000.0	5,982.9	5,901.5	5,799.4	14.0	20.7	17.34	879.5	-6.1	794.1	761.6	32.55	24.400	
6,100.0	6,082.9	5,998.5	5,893.6	14.1	21.2	16.82	903.0	-6.3	817.3	784.1	33.23	24.597	
6,200.0	6,182.9	6,095.5	5,987.7	14.1	21.6	16.34	926.5	-6.4	840.5	806.6	33.91	24.785	
6,300.0	6,282.9	6,217.1	6,106.1	14.2	22.2	15.79	954.3	-6.6	862.5	827.7	34.74	24.826	
6,400.0	6,382.9	6,342.8	6,229.3	14.3	22.8	15.34	979.0	-6.8	881.4	845.9	35.54	24.800	
6,500.0	6,482.9	6,470.0	6,354.8	14.3	23.3	14.97	999.9	-7.0	897.3	861.0	36.29	24.728	
6,600.0	6,582.9	6,598.5	6,482.1	14.4	23.9	14.69	1,016.8	-7.1	910.0	873.0	36.97	24.615	
6,700.0	6,682.9	6,728.0	6,611.0	14.5	24.4	14.48	1,029.5	-7.2	919.4	881.8	37.57	24.474	
6,800.0	6,782.9	6,858.2	6,740.9	14.5	24.9	14.35	1,037.8	-7.2	925.6	887.5	38.07	24.312	
6,900.0	6,882.9	6,988.8	6,871.5	14.6	25.3	14.29	1,041.7	-7.3	928.5	890.0	38.45	24.150	
7,000.0	6,982.9	7,100.2	6,982.9	14.7	25.4	14.28	1,042.0	-7.3	928.7	890.2	38.54	24.094	
7,100.0	7,082.9	7,200.2	7,082.9	14.7	25.4	14.28	1,042.0	-7.3	928.7	890.1	38.65	24.029	
7,200.0	7,182.9	7,300.2	7,182.9	14.8	25.4	14.28	1,042.0	-7.3	928.7	890.0	38.75	23.964	
7,300.0	7,282.9	7,400.2	7,282.9	14.9	25.5	14.28	1,042.0	-7.3	928.7	889.8	38.86	23.899	
7,400.0	7,382.9	7,500.2	7,382.9	14.9	25.5	14.28	1,042.0	-7.3	928.7	889.7	38.96	23.835	
7,408.6	7,391.5	7,508.8	7,391.5	14.9	25.5	14.28	1,042.0	-7.3	928.7	889.7	38.97	23.830	
7,425.0	7,407.9	7,525.2	7,407.9	14.9	25.5	-75.61	1,042.0	-7.3	928.6	889.7	38.98	23.821	
7,450.0	7,432.8	7,550.1	7,432.8	15.0	25.5	-75.75	1,042.0	-7.3	928.3	889.3	39.01	23.795	
7,475.0	7,457.7	7,575.0	7,457.7	15.0	25.6	-75.99	1,042.0	-7.3	927.6	888.5	39.05	23.756	
7,500.0	7,482.3	7,599.6	7,482.3	15.0	25.6	-76.35	1,042.0	-7.3	926.6	887.5	39.09	23.704	
7,525.0	7,506.7	7,624.0	7,506.7	15.0	25.6	-76.82	1,042.0	-7.3	925.3	886.2	39.14	23.640	
7,550.0	7,530.8	7,648.1	7,530.8	15.0	25.6	-77.39	1,042.0	-7.3	923.8	884.6	39.20	23.564	
7,575.0	7,554.5	7,671.9	7,554.5	15.0	25.6	-78.05	1,042.0	-7.3	922.0	882.7	39.27	23.479	
7,600.0	7,577.8	7,695.1	7,577.8	15.0	25.6	-78.81	1,042.0	-7.3	920.0	880.7	39.34	23.385	
7,625.0	7,600.6	7,717.9	7,600.6	15.0	25.6	-79.64	1,042.0	-7.3	917.9	878.5	39.42	23.285	
7,650.0	7,622.7	7,740.1	7,622.7	15.0	25.6	-80.53	1,042.0	-7.3	915.7	876.2	39.51	23.178	
7,675.0	7,644.3	7,761.6	7,644.3	15.1	25.6	-81.48	1,042.0	-7.3	913.4	873.8	39.59	23.069	
7,700.0	7,665.1	7,782.5	7,665.1	15.1	25.6	-82.47	1,042.0	-7.3	911.1	871.4	39.69	22.957	
7,725.0	7,685.2	7,802.6	7,685.2	15.1	25.7	-83.49	1,042.0	-7.3	908.8	869.1	39.78	22.846	
7,750.0	7,704.5	7,821.9	7,704.5	15.1	25.7	-84.52	1,042.0	-7.3	906.7	866.8	39.88	22.737	
7,775.0	7,723.0	7,840.3	7,723.0	15.1	25.7	-85.54	1,042.0	-7.3	904.7	864.8	39.97	22.633	
7,800.0	7,740.5	7,857.8	7,740.5	15.1	25.7	-86.55	1,042.0	-7.3	903.0	862.9	40.07	22.535	
7,825.0	7,757.1	7,874.4	7,757.1	15.1	25.7	-87.51	1,042.0	-7.3	901.5	861.4	40.16	22.446	
7,850.0	7,772.7	7,890.0	7,772.7	15.2	25.7	-88.42	1,042.0	-7.3	900.4	860.2	40.25	22.368	
7,875.0	7,787.2	7,904.5	7,787.2	15.2	25.7	-89.25	1,042.0	-7.3	899.7	859.4	40.34	22.303	
7,899.8	7,800.6	7,917.9	7,800.6	15.2	25.7	-90.00	1,042.0	-7.3	899.5	859.1	40.42	22.253	
7,900.0	7,800.6	7,918.0	7,800.6	15.2	25.7	-90.00	1,042.0	-7.3	899.5	859.1	40.42	22.253	
7,925.0	7,813.0	7,930.3	7,813.0	15.2	25.7	-90.66	1,042.0	-7.3	899.7	859.3	40.49	22.219	
7,950.0	7,824.1	7,941.4	7,824.1	15.2	25.7	-91.19	1,042.0	-7.3	900.6	860.0	40.56	22.203	

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 BS FEE 501H
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 BS FEE 501H	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 702H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 8604-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		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
7,975.0	7,834.1	7,951.4	7,834.1	15.3	25.7	-91.60	1,042.0	-7.3	902.0	861.4	40.62	22.207	
8,000.0	7,842.9	7,960.2	7,842.9	15.3	25.7	-91.88	1,042.0	-7.3	904.0	863.4	40.66	22.232	
8,025.0	7,850.4	7,967.7	7,850.4	15.3	25.7	-92.01	1,042.0	-7.3	906.7	866.0	40.70	22.279	
8,050.0	7,856.7	7,974.0	7,856.7	15.3	25.7	-91.99	1,042.0	-7.3	910.1	869.4	40.72	22.348	
8,075.0	7,861.7	7,979.0	7,861.7	15.4	25.7	-91.81	1,042.0	-7.3	914.1	873.4	40.74	22.440	
8,100.0	7,865.4	7,982.7	7,865.4	15.4	25.7	-91.47	1,042.0	-7.3	918.9	878.1	40.74	22.556	
8,125.0	7,867.8	7,985.1	7,867.8	15.4	25.7	-90.95	1,042.0	-7.3	924.3	883.6	40.73	22.694	
8,150.0	7,868.9	7,986.2	7,868.9	15.4	25.7	-90.27	1,042.0	-7.3	930.3	889.6	40.71	22.855	
8,158.6	7,869.0	7,986.3	7,869.0	15.4	25.7	-90.00	1,042.0	-7.3	932.6	891.9	40.70	22.916	
8,200.0	7,869.0	7,986.3	7,869.0	15.5	25.7	-90.00	1,042.0	-7.3	944.4	903.7	40.63	23.242	
8,300.0	7,869.0	7,986.3	7,869.0	15.7	25.7	-90.00	1,042.0	-7.3	979.5	939.1	40.40	24.247	

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 BS FEE 501H
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 BS FEE 501H	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
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)			
11,200.0	7,869.0	7,816.2	7,813.0	40.5	198.3	-90.00	759.0	3,981.4	927.1	647.2	279.95	3.312	
11,300.0	7,869.0	7,816.2	7,813.0	41.5	198.3	-90.00	759.0	3,981.4	854.1	573.6	280.47	3.045	
11,400.0	7,869.0	7,816.2	7,813.0	42.6	198.3	-90.00	759.0	3,981.4	787.0	505.9	281.12	2.800 Normal Operations	
11,500.0	7,869.0	7,816.2	7,813.0	43.7	198.3	-90.00	759.0	3,981.4	727.6	445.7	281.91	2.581 Normal Operations	
11,600.0	7,869.0	7,816.2	7,813.0	44.7	198.3	-90.00	759.0	3,981.4	677.7	394.9	282.81	2.396 Caution - Monitor Closely	
11,700.0	7,869.0	7,816.2	7,813.0	45.8	198.3	-90.00	759.0	3,981.4	639.7	355.9	283.75	2.254 Caution - Monitor Closely	
11,800.0	7,869.0	7,816.2	7,813.0	46.9	198.3	-90.00	759.0	3,981.4	615.7	331.1	284.59	2.164 Caution - Monitor Closely	
11,900.0	7,869.0	7,816.2	7,813.0	48.0	198.3	-90.00	759.0	3,981.4	607.5	322.3	285.18	2.130 Caution - Monitor Closely, CC	
11,904.4	7,869.0	7,816.2	7,813.0	48.0	198.3	-90.00	759.0	3,981.4	607.5	322.3	285.20	2.130 Caution - Monitor Closely, ES, SF	
12,000.0	7,869.0	7,816.2	7,813.0	49.1	198.3	-90.00	759.0	3,981.4	615.6	330.2	285.42	2.157 Caution - Monitor Closely	
12,100.0	7,869.0	7,816.2	7,813.0	50.2	198.3	-90.00	759.0	3,981.4	639.4	354.1	285.29	2.241 Caution - Monitor Closely	
12,200.0	7,869.0	7,816.2	7,813.0	51.3	198.3	-90.00	759.0	3,981.4	677.3	392.5	284.88	2.378 Caution - Monitor Closely	
12,300.0	7,869.0	7,816.2	7,813.0	52.3	198.3	-90.00	759.0	3,981.4	727.1	442.8	284.32	2.557 Normal Operations	
12,400.0	7,869.0	7,816.2	7,813.0	53.4	198.3	-90.00	759.0	3,981.4	786.5	502.8	283.71	2.772 Normal Operations	
12,500.0	7,869.0	7,816.2	7,813.0	54.5	198.3	-90.00	759.0	3,981.4	853.6	570.4	283.13	3.015	
12,600.0	7,869.0	7,816.2	7,813.0	55.6	198.3	-90.00	759.0	3,981.4	926.5	643.9	282.60	3.279	

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 BS FEE 501H
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 BS FEE 501H	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)			
13,800.0	7,869.0	7,806.6	7,805.0	68.8	198.7	-90.00	715.0	6,622.1	927.3	643.2	284.04	3.265	
13,900.0	7,869.0	7,806.6	7,805.0	69.9	198.7	-90.00	715.0	6,622.1	849.5	564.2	285.32	2.977	Normal Operations
14,000.0	7,869.0	7,806.6	7,805.0	71.0	198.7	-90.00	715.0	6,622.1	776.8	489.9	286.91	2.708	Normal Operations
14,100.0	7,869.0	7,806.6	7,805.0	72.2	198.7	-90.00	715.0	6,622.1	710.8	422.0	288.85	2.461	Caution - Monitor Closely
14,200.0	7,869.0	7,806.6	7,805.0	73.3	198.7	-90.00	715.0	6,622.1	653.5	362.4	291.12	2.245	Caution - Monitor Closely
14,300.0	7,869.0	7,806.6	7,805.0	74.4	198.7	-90.00	715.0	6,622.1	607.3	313.8	293.54	2.069	Caution - Monitor Closely
14,400.0	7,869.0	7,806.6	7,805.0	75.5	198.7	-90.00	715.0	6,622.1	575.0	279.2	295.79	1.944	Caution - Monitor Closely
14,500.0	7,869.0	7,806.6	7,805.0	76.6	198.7	-90.00	715.0	6,622.1	559.0	261.6	297.39	1.880	Caution - Monitor Closely
14,541.0	7,869.0	7,806.6	7,805.0	77.0	198.7	-90.00	715.0	6,622.1	557.5	259.7	297.75	1.872	Caution - Monitor Closely, CC, ES, SF
14,600.0	7,869.0	7,806.6	7,805.0	77.7	198.7	-90.00	715.0	6,622.1	560.6	262.7	297.92	1.882	Caution - Monitor Closely
14,700.0	7,869.0	7,806.6	7,805.0	78.8	198.7	-90.00	715.0	6,622.1	579.7	282.4	297.33	1.950	Caution - Monitor Closely
14,800.0	7,869.0	7,806.6	7,805.0	79.9	198.7	-90.00	715.0	6,622.1	614.7	318.8	295.89	2.077	Caution - Monitor Closely
14,900.0	7,869.0	7,806.6	7,805.0	81.0	198.7	-90.00	715.0	6,622.1	663.1	369.0	294.04	2.255	Caution - Monitor Closely
15,000.0	7,869.0	7,806.6	7,805.0	82.1	198.7	-90.00	715.0	6,622.1	722.1	430.0	292.13	2.472	Caution - Monitor Closely
15,100.0	7,869.0	7,806.6	7,805.0	83.2	198.7	-90.00	715.0	6,622.1	789.5	499.1	290.36	2.719	Normal Operations
15,200.0	7,869.0	7,806.6	7,805.0	84.4	198.7	-90.00	715.0	6,622.1	863.2	574.3	288.83	2.989	Normal Operations
15,300.0	7,869.0	7,806.6	7,805.0	85.5	198.7	-90.00	715.0	6,622.1	941.7	654.2	287.53	3.275	

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 BS FEE 501H
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 BS FEE 501H	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 002_PA - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 200-r.5 INC-ONLY												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
16,000.0	7,869.0	7,801.6	7,800.0	93.3	198.6	90.00	-21.5	8,969.5	905.7	625.5	280.18	3.232	
16,100.0	7,869.0	7,801.6	7,800.0	94.4	198.6	90.00	-21.5	8,969.5	808.0	527.4	280.56	2.880	Normal Operations
16,200.0	7,869.0	7,801.6	7,800.0	95.5	198.6	90.00	-21.5	8,969.5	711.0	429.9	281.08	2.530	Normal Operations
16,300.0	7,869.0	7,801.6	7,800.0	96.6	198.6	90.00	-21.5	8,969.5	615.0	333.1	281.87	2.182	Caution - Monitor Closely
16,400.0	7,869.0	7,801.6	7,800.0	97.7	198.6	90.00	-21.5	8,969.5	520.4	237.3	283.10	1.838	Caution - Monitor Closely
16,500.0	7,869.0	7,801.6	7,800.0	98.8	198.6	90.00	-21.5	8,969.5	428.4	143.2	285.15	1.502	Caution - Monitor Closely
16,600.0	7,869.0	7,801.6	7,800.0	100.0	198.6	90.00	-21.5	8,969.5	340.8	52.0	288.83	1.180	Take Immediate Action
16,700.0	7,869.0	7,801.6	7,800.0	101.1	198.6	90.00	-21.5	8,969.5	262.4	-33.3	295.65	0.887	STOP Drilling
16,800.0	7,869.0	7,801.6	7,800.0	102.2	198.6	90.00	-21.5	8,969.5	203.7	-102.8	306.50	0.665	STOP Drilling
16,886.7	7,869.0	7,801.6	7,800.0	103.2	198.6	90.00	-21.5	8,969.5	184.3	-128.3	312.64	0.590	STOP Drilling, CC, ES, SF
16,900.0	7,869.0	7,801.6	7,800.0	103.3	198.6	90.00	-21.5	8,969.5	184.8	-127.7	312.54	0.591	STOP Drilling
17,000.0	7,869.0	7,801.6	7,800.0	104.4	198.6	90.00	-21.5	8,969.5	216.4	-87.8	304.18	0.711	STOP Drilling
17,100.0	7,869.0	7,801.6	7,800.0	105.5	198.6	90.00	-21.5	8,969.5	281.9	-12.4	294.33	0.958	STOP Drilling
17,200.0	7,869.0	7,801.6	7,800.0	106.7	198.6	90.00	-21.5	8,969.5	363.5	75.0	288.48	1.260	Take Immediate Action
17,300.0	7,869.0	7,801.6	7,800.0	107.8	198.6	90.00	-21.5	8,969.5	452.5	167.3	285.28	1.586	Caution - Monitor Closely
17,400.0	7,869.0	7,801.6	7,800.0	108.9	198.6	90.00	-21.5	8,969.5	545.4	262.0	283.44	1.924	Caution - Monitor Closely
17,500.0	7,869.0	7,801.6	7,800.0	110.0	198.6	90.00	-21.5	8,969.5	640.4	358.1	282.32	2.268	Caution - Monitor Closely
17,600.0	7,869.0	7,801.6	7,800.0	111.1	198.6	90.00	-21.5	8,969.5	736.7	455.1	281.60	2.616	Normal Operations
17,700.0	7,869.0	7,801.6	7,800.0	112.2	198.6	90.00	-21.5	8,969.5	833.9	552.8	281.11	2.967	Normal Operations
17,800.0	7,869.0	7,801.6	7,800.0	113.4	198.6	90.00	-21.5	8,969.5	931.7	651.0	280.76	3.319	

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 BS FEE 501H
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 BS FEE 501H	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

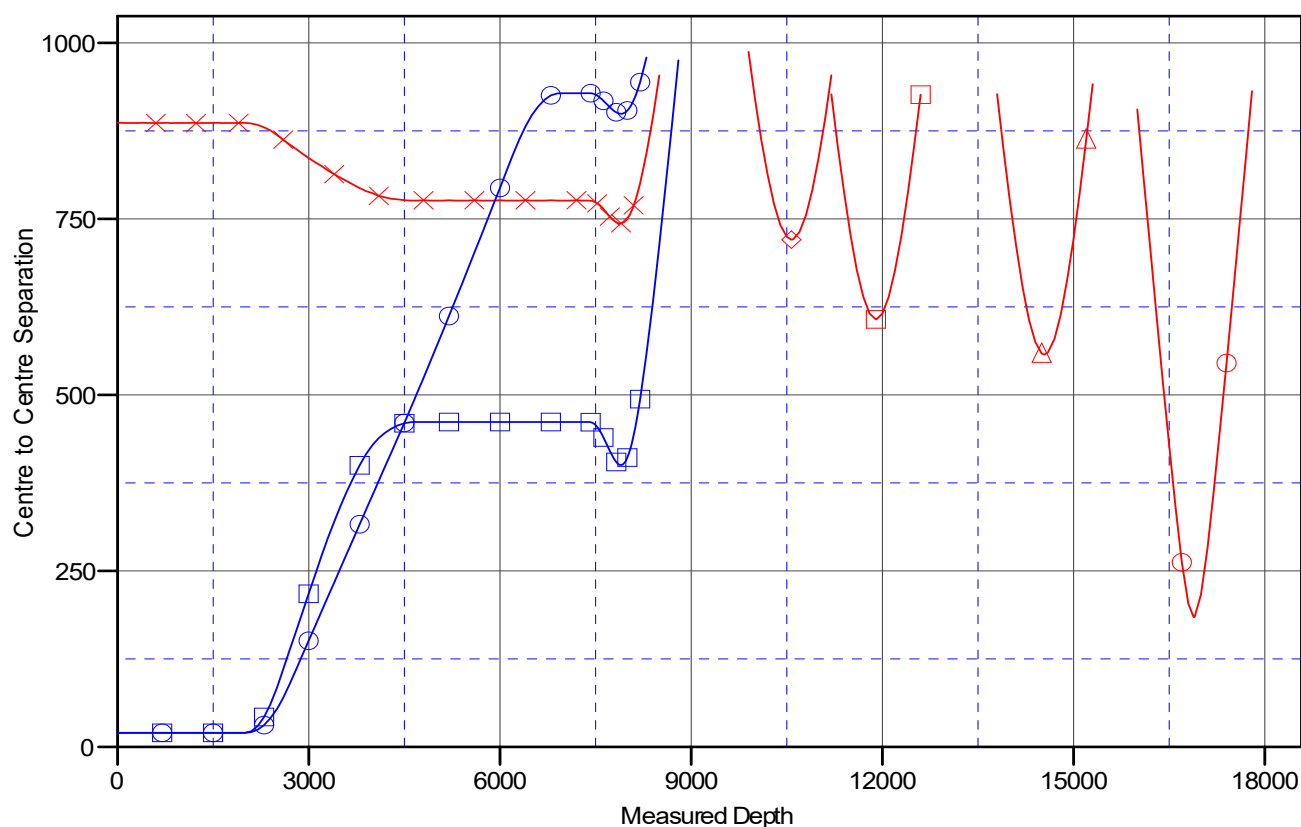
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: MAGELLAN BS FEE 501H

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

Grid Convergence at Surface is: 0.06°

Ladder Plot



LEGEND

ROGERS 001, OWB, AWP V0
 SKEEN 002_PA, OWB, AWP V0
 CALVANI 001_PA, OWB, AWP V0

HOWARD HEMLER COM 001_PA, OWB, AWP V0
 SKEEN 001_PA, OWB, AWP V0
 MAGELLAN WC FEE 701H, OWB, PWP1 V0

MAGELLAN WC FEE 702H, OWB, PWP1 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 BS FEE 501H
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 BS FEE 501H	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

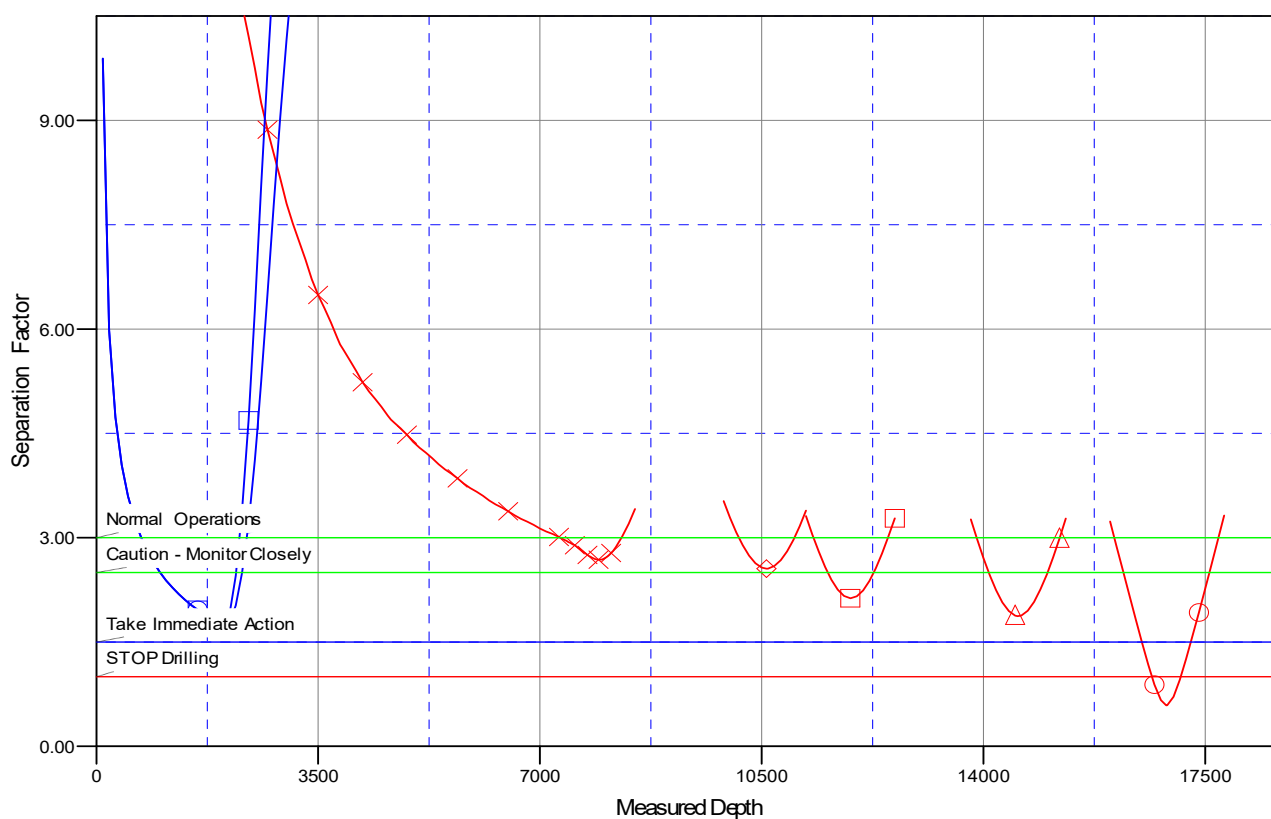
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: MAGELLAN BS FEE 501H

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

Grid Convergence at Surface is: 0.06°

Separation Factor Plot



LEGEND

ROGERS 001, OWB, AWP V0
 SKEEN 002_PA, OWB, AWP V0
 CALVANI 001_PA, OWB, AWP V0

HOWARD HEMLER COM 001_PA, OWB, AWP V0
 SKEEN 001_PA, OWB, AWP V0
 MAGELLAN WC FEE 701H, OWB, PWP1 V0

MAGELLAN WC FEE 702H, OWB, PWP1 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 BS FEE 501H

OWB

Plan: PWP1

Standard Planning Report

16 October, 2025

ConocoPhillips
Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well MAGELLAN BS FEE 501H
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 BS FEE 501H	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 BS FEE 501H			
Well Position	+N/-S	0.0 usft	Northing:	494,292.34 usft
	+E/-W	0.0 usft	Easting:	535,429.68 usft
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft
Grid Convergence:		0.06 °	Ground Level:	3,167.0 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2025	3/1/2026	6.75	59.88	47,068.38313370

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	89.07	

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	7,408.6	PWP1 (OWB)	r.5 MWD+IFR1 OWSG MWD + IFR1 rev.5		
3 7,408.6	18,129.8	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	
2,533.3	8.00	300.99	2,531.6	19.1	-31.9	1.50	1.50	0.00	300.99	
3,847.0	8.00	300.99	3,832.5	113.3	-188.6	0.00	0.00	0.00	0.00	
4,647.0	0.00	0.00	4,629.9	142.0	-236.4	1.00	-1.00	0.00	180.00	
7,408.6	0.00	0.00	7,391.5	142.0	-236.4	0.00	0.00	0.00	0.00	
8,158.6	90.00	89.87	7,869.0	143.1	241.1	12.00	12.00	0.00	89.87	
18,129.8	90.00	89.87	7,869.0	165.7	10,212.2	0.00	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well MAGELLAN BS FEE 501H
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 BS FEE 501H	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 1.50									
2,100.0	1.50	300.99	2,100.0	0.7	-1.1	-1.1	1.50	1.50	0.00
2,200.0	3.00	300.99	2,199.9	2.7	-4.5	-4.4	1.50	1.50	0.00
2,300.0	4.50	300.99	2,299.7	6.1	-10.1	-10.0	1.50	1.50	0.00
2,400.0	6.00	300.99	2,399.3	10.8	-17.9	-17.8	1.50	1.50	0.00
2,500.0	7.50	300.99	2,498.6	16.8	-28.0	-27.7	1.50	1.50	0.00
2,533.3	8.00	300.99	2,531.6	19.1	-31.9	-31.5	1.50	1.50	0.00
HOLD TNGT									
2,600.0	8.00	300.99	2,597.6	23.9	-39.8	-39.4	0.00	0.00	0.00
2,700.0	8.00	300.99	2,696.6	31.1	-51.7	-51.2	0.00	0.00	0.00
2,800.0	8.00	300.99	2,795.7	38.3	-63.7	-63.1	0.00	0.00	0.00
2,900.0	8.00	300.99	2,894.7	45.4	-75.6	-74.9	0.00	0.00	0.00
3,000.0	8.00	300.99	2,993.7	52.6	-87.5	-86.7	0.00	0.00	0.00
3,100.0	8.00	300.99	3,092.8	59.8	-99.5	-98.5	0.00	0.00	0.00
3,200.0	8.00	300.99	3,191.8	66.9	-111.4	-110.3	0.00	0.00	0.00
3,300.0	8.00	300.99	3,290.8	74.1	-123.3	-122.1	0.00	0.00	0.00
3,400.0	8.00	300.99	3,389.8	81.3	-135.3	-133.9	0.00	0.00	0.00
3,500.0	8.00	300.99	3,488.9	88.4	-147.2	-145.7	0.00	0.00	0.00
3,600.0	8.00	300.99	3,587.9	95.6	-159.1	-157.5	0.00	0.00	0.00
3,700.0	8.00	300.99	3,686.9	102.8	-171.0	-169.4	0.00	0.00	0.00
3,800.0	8.00	300.99	3,785.9	109.9	-183.0	-181.2	0.00	0.00	0.00
3,847.0	8.00	300.99	3,832.5	113.3	-188.6	-186.7	0.00	0.00	0.00
END NUDGE									
3,900.0	7.47	300.99	3,885.0	117.0	-194.7	-192.8	1.00	-1.00	0.00
4,000.0	6.47	300.99	3,984.3	123.2	-205.1	-203.1	1.00	-1.00	0.00
4,100.0	5.47	300.99	4,083.7	128.6	-214.0	-211.9	1.00	-1.00	0.00
4,200.0	4.47	300.99	4,183.3	133.0	-221.4	-219.3	1.00	-1.00	0.00
4,300.0	3.47	300.99	4,283.1	136.6	-227.4	-225.1	1.00	-1.00	0.00
4,400.0	2.47	300.99	4,383.0	139.3	-231.8	-229.5	1.00	-1.00	0.00
4,500.0	1.47	300.99	4,482.9	141.0	-234.8	-232.5	1.00	-1.00	0.00
4,600.0	0.47	300.99	4,582.9	141.9	-236.2	-233.9	1.00	-1.00	0.00
4,647.0	0.00	0.00	4,629.9	142.0	-236.4	-234.1	1.00	-1.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well MAGELLAN BS FEE 501H
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 BS FEE 501H	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)
HOLD TO CVE KOP									
4,700.0	0.00	0.00	4,682.9	142.0	-236.4	-234.1	0.00	0.00	0.00
4,800.0	0.00	0.00	4,782.9	142.0	-236.4	-234.1	0.00	0.00	0.00
4,900.0	0.00	0.00	4,882.9	142.0	-236.4	-234.1	0.00	0.00	0.00
5,000.0	0.00	0.00	4,982.9	142.0	-236.4	-234.1	0.00	0.00	0.00
5,100.0	0.00	0.00	5,082.9	142.0	-236.4	-234.1	0.00	0.00	0.00
5,200.0	0.00	0.00	5,182.9	142.0	-236.4	-234.1	0.00	0.00	0.00
5,300.0	0.00	0.00	5,282.9	142.0	-236.4	-234.1	0.00	0.00	0.00
5,400.0	0.00	0.00	5,382.9	142.0	-236.4	-234.1	0.00	0.00	0.00
5,500.0	0.00	0.00	5,482.9	142.0	-236.4	-234.1	0.00	0.00	0.00
5,600.0	0.00	0.00	5,582.9	142.0	-236.4	-234.1	0.00	0.00	0.00
5,700.0	0.00	0.00	5,682.9	142.0	-236.4	-234.1	0.00	0.00	0.00
5,800.0	0.00	0.00	5,782.9	142.0	-236.4	-234.1	0.00	0.00	0.00
5,900.0	0.00	0.00	5,882.9	142.0	-236.4	-234.1	0.00	0.00	0.00
6,000.0	0.00	0.00	5,982.9	142.0	-236.4	-234.1	0.00	0.00	0.00
6,100.0	0.00	0.00	6,082.9	142.0	-236.4	-234.1	0.00	0.00	0.00
6,200.0	0.00	0.00	6,182.9	142.0	-236.4	-234.1	0.00	0.00	0.00
6,300.0	0.00	0.00	6,282.9	142.0	-236.4	-234.1	0.00	0.00	0.00
6,400.0	0.00	0.00	6,382.9	142.0	-236.4	-234.1	0.00	0.00	0.00
6,500.0	0.00	0.00	6,482.9	142.0	-236.4	-234.1	0.00	0.00	0.00
6,600.0	0.00	0.00	6,582.9	142.0	-236.4	-234.1	0.00	0.00	0.00
6,700.0	0.00	0.00	6,682.9	142.0	-236.4	-234.1	0.00	0.00	0.00
6,800.0	0.00	0.00	6,782.9	142.0	-236.4	-234.1	0.00	0.00	0.00
6,900.0	0.00	0.00	6,882.9	142.0	-236.4	-234.1	0.00	0.00	0.00
7,000.0	0.00	0.00	6,982.9	142.0	-236.4	-234.1	0.00	0.00	0.00
7,100.0	0.00	0.00	7,082.9	142.0	-236.4	-234.1	0.00	0.00	0.00
7,200.0	0.00	0.00	7,182.9	142.0	-236.4	-234.1	0.00	0.00	0.00
7,300.0	0.00	0.00	7,282.9	142.0	-236.4	-234.1	0.00	0.00	0.00
7,408.6	0.00	0.00	7,391.5	142.0	-236.4	-234.1	0.00	0.00	0.00
CVE KOP-START DLS 12.00									
7,425.0	1.96	89.87	7,407.9	142.0	-236.1	-233.8	12.00	12.00	0.00
7,450.0	4.96	89.87	7,432.8	142.0	-234.6	-232.3	12.00	12.00	0.00
7,475.0	7.96	89.87	7,457.7	142.0	-231.8	-229.4	12.00	12.00	0.00
7,500.0	10.96	89.87	7,482.3	142.0	-227.7	-225.3	12.00	12.00	0.00
7,525.0	13.96	89.87	7,506.7	142.0	-222.3	-219.9	12.00	12.00	0.00
7,550.0	16.96	89.87	7,530.8	142.0	-215.6	-213.3	12.00	12.00	0.00
7,575.0	19.96	89.87	7,554.5	142.1	-207.7	-205.4	12.00	12.00	0.00
7,600.0	22.96	89.87	7,577.8	142.1	-198.6	-196.2	12.00	12.00	0.00
7,625.0	25.96	89.87	7,600.6	142.1	-188.2	-185.9	12.00	12.00	0.00
7,650.0	28.96	89.87	7,622.7	142.1	-176.7	-174.3	12.00	12.00	0.00
7,675.0	31.96	89.87	7,644.3	142.2	-164.0	-161.7	12.00	12.00	0.00
7,700.0	34.96	89.87	7,665.1	142.2	-150.2	-147.9	12.00	12.00	0.00
7,725.0	37.96	89.87	7,685.2	142.2	-135.4	-133.0	12.00	12.00	0.00
7,750.0	40.96	89.87	7,704.5	142.3	-119.5	-117.2	12.00	12.00	0.00
7,775.0	43.96	89.87	7,723.0	142.3	-102.6	-100.3	12.00	12.00	0.00
7,800.0	46.96	89.87	7,740.5	142.3	-84.8	-82.5	12.00	12.00	0.00
7,825.0	49.96	89.87	7,757.1	142.4	-66.1	-63.8	12.00	12.00	0.00
7,850.0	52.96	89.87	7,772.7	142.4	-46.5	-44.2	12.00	12.00	0.00
7,875.0	55.96	89.87	7,787.2	142.5	-26.2	-23.9	12.00	12.00	0.00
7,900.0	58.96	89.87	7,800.6	142.5	-5.1	-2.8	12.00	12.00	0.00
7,925.0	61.96	89.87	7,813.0	142.6	16.6	19.0	12.00	12.00	0.00
7,950.0	64.96	89.87	7,824.1	142.6	39.0	41.3	12.00	12.00	0.00
7,975.0	67.96	89.87	7,834.1	142.7	61.9	64.2	12.00	12.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well MAGELLAN BS FEE 501H
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 BS FEE 501H	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)
8,000.0	70.96	89.87	7,842.9	142.7	85.3	87.6	12.00	12.00	0.00
8,025.0	73.96	89.87	7,850.4	142.8	109.2	111.5	12.00	12.00	0.00
8,050.0	76.96	89.87	7,856.7	142.8	133.4	135.7	12.00	12.00	0.00
8,075.0	79.96	89.87	7,861.7	142.9	157.9	160.2	12.00	12.00	0.00
8,100.0	82.96	89.87	7,865.4	142.9	182.6	184.9	12.00	12.00	0.00
8,125.0	85.96	89.87	7,867.8	143.0	207.5	209.8	12.00	12.00	0.00
8,150.0	88.96	89.87	7,868.9	143.1	232.4	234.7	12.00	12.00	0.00
8,158.6	90.00	89.87	7,869.0	143.1	241.1	243.4	12.00	12.00	0.00
EOC-HOLD									
8,200.0	90.00	89.87	7,869.0	143.2	282.4	284.7	0.00	0.00	0.00
8,300.0	90.00	89.87	7,869.0	143.4	382.4	384.7	0.00	0.00	0.00
8,400.0	90.00	89.87	7,869.0	143.6	482.4	484.7	0.00	0.00	0.00
8,500.0	90.00	89.87	7,869.0	143.9	582.4	584.7	0.00	0.00	0.00
8,600.0	90.00	89.87	7,869.0	144.1	682.4	684.7	0.00	0.00	0.00
8,700.0	90.00	89.87	7,869.0	144.3	782.4	784.7	0.00	0.00	0.00
8,800.0	90.00	89.87	7,869.0	144.5	882.4	884.7	0.00	0.00	0.00
8,900.0	90.00	89.87	7,869.0	144.8	982.4	984.6	0.00	0.00	0.00
9,000.0	90.00	89.87	7,869.0	145.0	1,082.4	1,084.6	0.00	0.00	0.00
9,100.0	90.00	89.87	7,869.0	145.2	1,182.4	1,184.6	0.00	0.00	0.00
9,200.0	90.00	89.87	7,869.0	145.4	1,282.4	1,284.6	0.00	0.00	0.00
9,300.0	90.00	89.87	7,869.0	145.7	1,382.4	1,384.6	0.00	0.00	0.00
9,400.0	90.00	89.87	7,869.0	145.9	1,482.4	1,484.6	0.00	0.00	0.00
9,500.0	90.00	89.87	7,869.0	146.1	1,582.4	1,584.6	0.00	0.00	0.00
9,600.0	90.00	89.87	7,869.0	146.3	1,682.4	1,684.6	0.00	0.00	0.00
9,700.0	90.00	89.87	7,869.0	146.6	1,782.4	1,784.6	0.00	0.00	0.00
9,800.0	90.00	89.87	7,869.0	146.8	1,882.4	1,884.6	0.00	0.00	0.00
9,900.0	90.00	89.87	7,869.0	147.0	1,982.4	1,984.6	0.00	0.00	0.00
10,000.0	90.00	89.87	7,869.0	147.3	2,082.4	2,084.5	0.00	0.00	0.00
10,100.0	90.00	89.87	7,869.0	147.5	2,182.4	2,184.5	0.00	0.00	0.00
10,200.0	90.00	89.87	7,869.0	147.7	2,282.4	2,284.5	0.00	0.00	0.00
10,300.0	90.00	89.87	7,869.0	147.9	2,382.4	2,384.5	0.00	0.00	0.00
10,400.0	90.00	89.87	7,869.0	148.2	2,482.4	2,484.5	0.00	0.00	0.00
10,500.0	90.00	89.87	7,869.0	148.4	2,582.4	2,584.5	0.00	0.00	0.00
10,600.0	90.00	89.87	7,869.0	148.6	2,682.4	2,684.5	0.00	0.00	0.00
10,700.0	90.00	89.87	7,869.0	148.8	2,782.4	2,784.5	0.00	0.00	0.00
10,800.0	90.00	89.87	7,869.0	149.1	2,882.4	2,884.5	0.00	0.00	0.00
10,900.0	90.00	89.87	7,869.0	149.3	2,982.4	2,984.5	0.00	0.00	0.00
11,000.0	90.00	89.87	7,869.0	149.5	3,082.4	3,084.4	0.00	0.00	0.00
11,100.0	90.00	89.87	7,869.0	149.7	3,182.4	3,184.4	0.00	0.00	0.00
11,200.0	90.00	89.87	7,869.0	150.0	3,282.4	3,284.4	0.00	0.00	0.00
11,300.0	90.00	89.87	7,869.0	150.2	3,382.4	3,384.4	0.00	0.00	0.00
11,400.0	90.00	89.87	7,869.0	150.4	3,482.4	3,484.4	0.00	0.00	0.00
11,500.0	90.00	89.87	7,869.0	150.6	3,582.4	3,584.4	0.00	0.00	0.00
11,600.0	90.00	89.87	7,869.0	150.9	3,682.4	3,684.4	0.00	0.00	0.00
11,700.0	90.00	89.87	7,869.0	151.1	3,782.4	3,784.4	0.00	0.00	0.00
11,800.0	90.00	89.87	7,869.0	151.3	3,882.4	3,884.4	0.00	0.00	0.00
11,900.0	90.00	89.87	7,869.0	151.6	3,982.4	3,984.4	0.00	0.00	0.00
12,000.0	90.00	89.87	7,869.0	151.8	4,082.4	4,084.3	0.00	0.00	0.00
12,100.0	90.00	89.87	7,869.0	152.0	4,182.4	4,184.3	0.00	0.00	0.00
12,200.0	90.00	89.87	7,869.0	152.2	4,282.4	4,284.3	0.00	0.00	0.00
12,300.0	90.00	89.87	7,869.0	152.5	4,382.4	4,384.3	0.00	0.00	0.00
12,400.0	90.00	89.87	7,869.0	152.7	4,482.4	4,484.3	0.00	0.00	0.00
12,500.0	90.00	89.87	7,869.0	152.9	4,582.4	4,584.3	0.00	0.00	0.00
12,600.0	90.00	89.87	7,869.0	153.1	4,682.4	4,684.3	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well MAGELLAN BS FEE 501H
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 BS FEE 501H	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)
12,700.0	90.00	89.87	7,869.0	153.4	4,782.4	4,784.3	0.00	0.00	0.00
12,800.0	90.00	89.87	7,869.0	153.6	4,882.4	4,884.3	0.00	0.00	0.00
12,900.0	90.00	89.87	7,869.0	153.8	4,982.4	4,984.3	0.00	0.00	0.00
13,000.0	90.00	89.87	7,869.0	154.0	5,082.4	5,084.2	0.00	0.00	0.00
13,100.0	90.00	89.87	7,869.0	154.3	5,182.4	5,184.2	0.00	0.00	0.00
13,200.0	90.00	89.87	7,869.0	154.5	5,282.4	5,284.2	0.00	0.00	0.00
13,300.0	90.00	89.87	7,869.0	154.7	5,382.4	5,384.2	0.00	0.00	0.00
13,400.0	90.00	89.87	7,869.0	154.9	5,482.4	5,484.2	0.00	0.00	0.00
13,500.0	90.00	89.87	7,869.0	155.2	5,582.4	5,584.2	0.00	0.00	0.00
13,600.0	90.00	89.87	7,869.0	155.4	5,682.4	5,684.2	0.00	0.00	0.00
13,700.0	90.00	89.87	7,869.0	155.6	5,782.4	5,784.2	0.00	0.00	0.00
13,800.0	90.00	89.87	7,869.0	155.9	5,882.4	5,884.2	0.00	0.00	0.00
13,900.0	90.00	89.87	7,869.0	156.1	5,982.4	5,984.2	0.00	0.00	0.00
14,000.0	90.00	89.87	7,869.0	156.3	6,082.4	6,084.2	0.00	0.00	0.00
14,100.0	90.00	89.87	7,869.0	156.5	6,182.4	6,184.1	0.00	0.00	0.00
14,200.0	90.00	89.87	7,869.0	156.8	6,282.4	6,284.1	0.00	0.00	0.00
14,300.0	90.00	89.87	7,869.0	157.0	6,382.4	6,384.1	0.00	0.00	0.00
14,400.0	90.00	89.87	7,869.0	157.2	6,482.4	6,484.1	0.00	0.00	0.00
14,500.0	90.00	89.87	7,869.0	157.4	6,582.4	6,584.1	0.00	0.00	0.00
14,600.0	90.00	89.87	7,869.0	157.7	6,682.4	6,684.1	0.00	0.00	0.00
14,700.0	90.00	89.87	7,869.0	157.9	6,782.4	6,784.1	0.00	0.00	0.00
14,800.0	90.00	89.87	7,869.0	158.1	6,882.4	6,884.1	0.00	0.00	0.00
14,900.0	90.00	89.87	7,869.0	158.3	6,982.4	6,984.1	0.00	0.00	0.00
15,000.0	90.00	89.87	7,869.0	158.6	7,082.4	7,084.1	0.00	0.00	0.00
15,100.0	90.00	89.87	7,869.0	158.8	7,182.4	7,184.0	0.00	0.00	0.00
15,200.0	90.00	89.87	7,869.0	159.0	7,282.4	7,284.0	0.00	0.00	0.00
15,300.0	90.00	89.87	7,869.0	159.3	7,382.4	7,384.0	0.00	0.00	0.00
15,400.0	90.00	89.87	7,869.0	159.5	7,482.4	7,484.0	0.00	0.00	0.00
15,500.0	90.00	89.87	7,869.0	159.7	7,582.4	7,584.0	0.00	0.00	0.00
15,600.0	90.00	89.87	7,869.0	159.9	7,682.4	7,684.0	0.00	0.00	0.00
15,700.0	90.00	89.87	7,869.0	160.2	7,782.4	7,784.0	0.00	0.00	0.00
15,800.0	90.00	89.87	7,869.0	160.4	7,882.4	7,884.0	0.00	0.00	0.00
15,900.0	90.00	89.87	7,869.0	160.6	7,982.4	7,984.0	0.00	0.00	0.00
16,000.0	90.00	89.87	7,869.0	160.8	8,082.4	8,084.0	0.00	0.00	0.00
16,100.0	90.00	89.87	7,869.0	161.1	8,182.4	8,183.9	0.00	0.00	0.00
16,200.0	90.00	89.87	7,869.0	161.3	8,282.4	8,283.9	0.00	0.00	0.00
16,300.0	90.00	89.87	7,869.0	161.5	8,382.4	8,383.9	0.00	0.00	0.00
16,400.0	90.00	89.87	7,869.0	161.7	8,482.4	8,483.9	0.00	0.00	0.00
16,500.0	90.00	89.87	7,869.0	162.0	8,582.4	8,583.9	0.00	0.00	0.00
16,600.0	90.00	89.87	7,869.0	162.2	8,682.4	8,683.9	0.00	0.00	0.00
16,700.0	90.00	89.87	7,869.0	162.4	8,782.4	8,783.9	0.00	0.00	0.00
16,800.0	90.00	89.87	7,869.0	162.6	8,882.4	8,883.9	0.00	0.00	0.00
16,900.0	90.00	89.87	7,869.0	162.9	8,982.4	8,983.9	0.00	0.00	0.00
17,000.0	90.00	89.87	7,869.0	163.1	9,082.4	9,083.9	0.00	0.00	0.00
17,100.0	90.00	89.87	7,869.0	163.3	9,182.4	9,183.8	0.00	0.00	0.00
17,200.0	90.00	89.87	7,869.0	163.6	9,282.4	9,283.8	0.00	0.00	0.00
17,300.0	90.00	89.87	7,869.0	163.8	9,382.4	9,383.8	0.00	0.00	0.00
17,400.0	90.00	89.87	7,869.0	164.0	9,482.4	9,483.8	0.00	0.00	0.00
17,500.0	90.00	89.87	7,869.0	164.2	9,582.4	9,583.8	0.00	0.00	0.00
17,600.0	90.00	89.87	7,869.0	164.5	9,682.4	9,683.8	0.00	0.00	0.00
17,700.0	90.00	89.87	7,869.0	164.7	9,782.4	9,783.8	0.00	0.00	0.00
17,800.0	90.00	89.87	7,869.0	164.9	9,882.4	9,883.8	0.00	0.00	0.00
17,900.0	90.00	89.87	7,869.0	165.1	9,982.4	9,983.8	0.00	0.00	0.00
18,000.0	90.00	89.87	7,869.0	165.4	10,082.4	10,083.8	0.00	0.00	0.00

ConocoPhillips
Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well MAGELLAN BS FEE 501H
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 BS FEE 501H	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)
18,100.0	90.00	89.87	7,869.0	165.6	10,182.4	10,183.8	0.00	0.00	0.00
18,129.8	90.00	89.87	7,869.0	165.7	10,212.2	10,213.6	0.00	0.00	0.00
TD @ 18129.8 MD / 10213.6 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									
PBHL_MAGELLAN BS f	0.00	269.87	7,869.0	165.7	10,212.2	494,458.00	545,641.93	32° 21' 33.458 N	104° 11' 7.870 W
- plan hits target center									
- Rectangle (sides W100.0 H10,519.1 D20.0)									
FTP_MAGELLAN BS FE	0.00	0.00	7,869.0	141.4	-226.6	494,433.78	535,203.03	32° 21' 33.344 N	104° 13' 9.575 W
- plan misses target center by 190.9usft at 7789.0usft MD (7732.9 TVD, 142.3 N, -92.7 E)									
- Circle (radius 50.0)									
LTP_MAGELLAN BS FE	90.00	89.99	7,869.0	165.4	10,162.2	494,457.75	545,591.93	32° 21' 33.456 N	104° 11' 8.453 W
- plan misses target center by 0.1usft at 18079.8usft MD (7869.0 TVD, 165.5 N, 10162.2 E)									
- Circle (radius 50.0)									

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 1.50	
2,533.3	2,531.6	19.1	-31.9	HOLD TNGT	
3,847.0	3,832.5	113.3	-188.6	END NUDGE	
4,647.0	4,629.9	142.0	-236.4	HOLD TO CVE KOP	
7,408.6	7,391.5	142.0	-236.4	CVE KOP-START DLS 12.00	
8,158.6	7,869.0	143.1	241.1	EOC-HOLD	
18,129.8	7,869.0	165.7	10,212.2	TD @ 18129.8 MD / 10213.6 VS	



Project: EDDY COUNTY_DBW_NM_E
Site: MAGELLAN PROJECT
Well: MAGELLAN BS FEE 501H
Wellbore: OWB
Design: PWP1
GL: 3167.00
RKB=32ft @ 3199.00usft

WELL DETAILS: MAGELLAN BS FEE 501H

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	494292.34	535429.68	32° 21' 31.942 N	104° 13' 6.935 W

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP_MAGELLAN BS FEE 501H	7869.00	141.44	-226.65	494433.78	535203.03
LTP_MAGELLAN BS FEE 501H	7869.00	165.41	10162.25	494457.75	545591.93
PBHL_MAGELLAN BS FEE 501H	7869.00	165.66	10212.25	494458.00	545641.93

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
0.00	0.00	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	0.00	0.00
2533.32	8.00	300.99	2531.59	19.14	-31.86	1.50	300.99	-31.55
3847.03	8.00	300.99	3832.52	113.29	-188.59	0.00	0.00	-186.73
4647.01	0.00	0.00	4629.90	142.00	-236.39	1.00	180.00	-234.05
7408.65	0.00	0.00	7391.54	142.00	-236.39	0.00	0.00	-234.05
8158.65	90.00	89.87	7869.00	143.08	241.08	12.00	89.87	243.37
18129.84	90.00	89.87	7869.00	165.66	10212.25	0.00	0.00	10213.59

