*Please refer to approved NOI appended to this application for the most current well design

Form 3160-3
(October 2024)

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2027

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: NMNM84729

6. If Indian, Allotee or Tribe Name:

1a. Type of work: ☑ DRILL ☐ REENTER

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

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

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

8. Lease Name and Well No.: DOLLY PURRTON FEDERAL COM 502H

2. Name of Operator: MARATHON OIL PERMIAN LLC

9. API Well No.: 30-025-56937

3a. Address: 990 TOWN & COUNTRY BLVD, HOUSTON, TX 77024

3b. Phone No. *(include area code)*: (713) 296-2113

10. Field and Pool, or Exploratory: DIAMONDTAIL/BONE SPRING

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

At surface: SESW / 382 FSL / 1755 FWL / LAT 32.298361 / LONG -103.647801

At proposed prod. zone: LOT 3 / 50 FNL / 2090 FWL / LAT 32.340703 / LONG -103.646726

11. Sec., T. R. M. or Blk. and Survey or Area: SEC 14/T23S/R32E/NMP

14. Distance in miles and direction from nearest town or post office*: 24 miles

12. County or Parish: LEA

13. State: NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any): 50 feet

16. No of acres in lease:

17. Spacing Unit dedicated to this well: 959.29

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.: 30 feet

19. Proposed Depth: 10700 feet / 26127 feet

20. BLM/BIA Bond No. in file: FED: NMB001555

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 3717 feet

22. Approximate date work will start*: 01/01/2027

23. Estimated duration: 30 days

24. Attachments

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

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

25. Signature: (Electronic Submission)

Name *(Printed/Typed)*: MAYTE REYES / Ph: (713) 929-6600

Date: 01/13/2026

Title: Regulatory Analyst

Approved by *(Signature)*: (Electronic Submission)

Name *(Printed/Typed)*: CODY LAYTON / Ph: (575) 234-5959

Date: 04/16/2026

Title: Assistant Field Manager Lands & Minerals

Office: Carlsbad Field Office

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

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

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 04/16/2026

Confidential

Additional Operator Remarks

Location of Well

0. SHL: SESW / 382 FSL / 1755 FWL / TWSP: 23S / RANGE: 32E / SECTION: 14 / LAT: 32.298361 / LONG: -103.647801 (TVD: 0 feet, MD: 0 feet)

PPP: SESW / 100 FSL / 2090 FWL / TWSP: 23S / RANGE: 32E / SECTION: 14 / LAT: 32.29759 / LONG: -103.646717 (TVD: 10544 feet, MD: 10600 feet)

PPP: SENW / 2639 FNL / 2090 FWL / TWSP: 23S / RANGE: 32E / SECTION: 11 / LAT: 32.319093 / LONG: -103.646722 (TVD: 10700 feet, MD: 18601 feet)

PPP: SESW / 1 FSL / 2090 FWL / TWSP: 23S / RANGE: 32E / SECTION: 11 / LAT: 32.311826 / LONG: -103.64672 (TVD: 10700 feet, MD: 15960 feet)

BHL: LOT 3 / 50 FNL / 2090 FWL / TWSP: 23S / RANGE: 32E / SECTION: 2 / LAT: 32.340703 / LONG: -103.646726 (TVD: 10700 feet, MD: 26127 feet)

BLM Point of Contact

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

CONFIDENTIAL

C-102

Submit Electronically
Via OCD Permitting

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

Revised July 9, 2024

Submittal Type: ☒ Initial Submittal ☐ Amended Report ☐ As Drilled

30-025-56937

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-025	17644	Diamondtail; Bone Spring

Property Code	Property Name	Well Number
339531	DOLLY PURRTON FEDERAL COM	502H

OGRID No.	Operator Name	Ground Level Elevation
372098	MARATHON OIL PERMIAN LLC	3716.5'

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
N	14	23-S	32-E		382 FSL	1755 FWL	32.298485°N	103.648284°W	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
3	2	23-S	32-E		50 FNL	2090 FWL	32.340826°N	103.647211°W	LEA

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
640	Infill	Pending 402H	Y	COMM

Order Numbers. Well setbacks are under Common Ownership: ☐Yes ☐No N/A

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
N	14	23-S	32-E		382 FSL	1755 FWL	32.298485°N	103.648284°W	LEA

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
N	14	23-S	32-E		100 FSL	2090 FWL	32.297714°N	103.647200°W	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
3	2	23-S	32-E		100 FNL	2090 FWL	32.340689°N	103.647211°W	LEA

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation:
COM		3716.5'

OPERATOR CERTIFICATIONS

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

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

Signature Mayte Reyes Date 1/8/2026

Printed Name Mayte Reyes

Email Address mayte.x.reyes@conocophillips.com

SURVEYOR CERTIFICATIONS

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

CHAD L. HARCROW NEW MEXICO 17777 LICENSED PROFESSIONAL SURVEYOR

Chad Harcrow 6/21/25

Signature and Seal of Professional Suveyor

Certificate Number 17777

Date of Survey JUNE 13, 2025

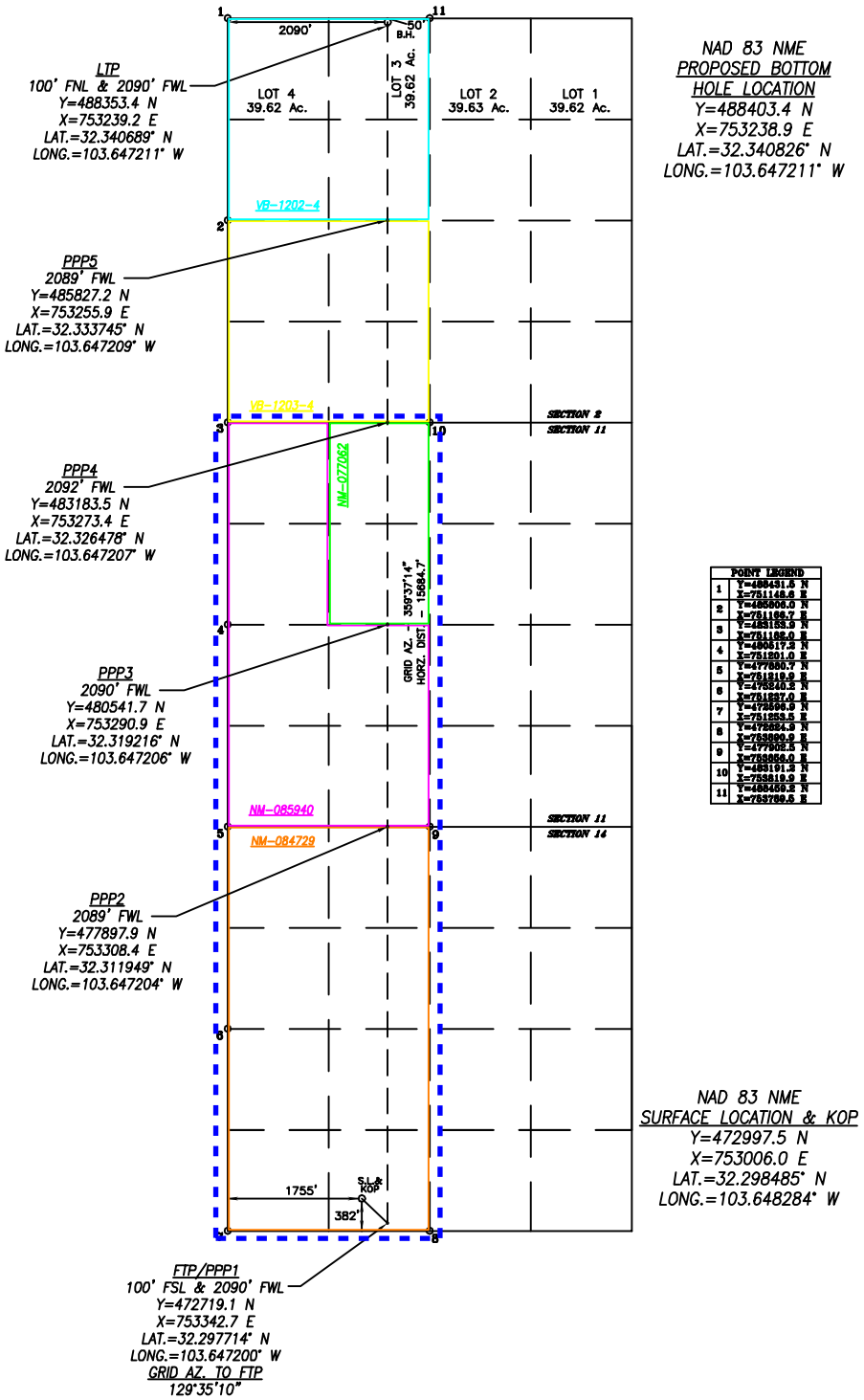
W.O.#25-1046 | DRAWN BY: WN | PAGE 1 OF 2

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 divsion.

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.



PAGE 2 OF 2

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

30-025-56937

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-025-	51683	Red Tank; Bone Spring

Property Code	Property Name	Well Number
339531	DOLLY PURRTON FEDERAL COM	502H

OGRID No.	Operator Name	Ground Level Elevation
372098	MARATHON OIL PERMIAN LLC	3716.5'

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
N	14	23-S	32-E		382 FSL	1755 FWL	32.298485°N	103.648284°W	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
3	2	23-S	32-E		50 FNL	2090 FWL	32.340826°N	103.647211°W	LEA

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
319.29	Infill	Pending 402H	Y	COM

Order Numbers. Well setbacks are under Common Ownership: ☐Yes ☐No N/A

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
N	14	23-S	32-E		382 FSL	1755 FWL	32.298485°N	103.648284°W	LEA

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UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
3	2	23-S	32-E		100 FNL	2090 FWL	32.340689°N	103.647211°W	LEA

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation:
COM		3716.5'

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.

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Signature Mayte Reyes Date 1/8/2026

Printed Name Mayte Reyes

Email Address mayte.x.reyes@conocophillips.com

SURVEYOR CERTIFICATIONS

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

CHAD L. HARCROW NEW MEXICO 17777 LICENSED PROFESSIONAL SURVEYOR

Chad Harcrow 6/21/25

Signature and Seal of Professional Suveyor

Certificate Number 17777

Date of Survey JUNE 13, 2025

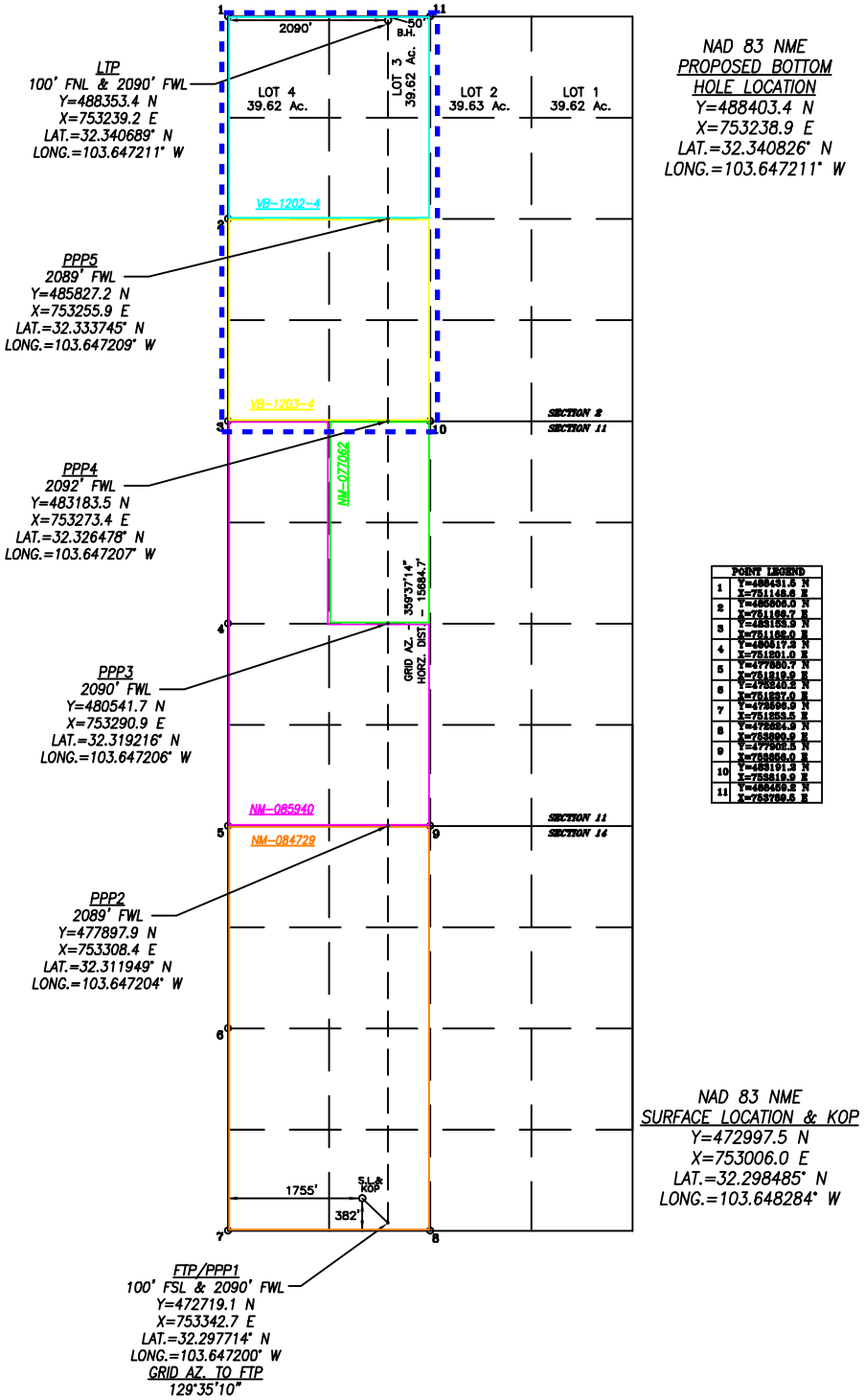
W.O.#25-1046 | DRAWN BY: WN | PAGE 1 OF 2

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PAGE 2 OF 2

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

Operator Certification Data Report

04/17/2026

Operator

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

NAME: MAYTE REYES **Signed on:** 01/11/2026

Title: Regulatory Analyst

Street Address: 925 N ELDRIDGE PARKWAY

City: HOUSTON **State:** TX **Zip:** 77252

Phone: (281)293-1000

Email address: MAYTE.X.REYES@CONOCOPHILLIPS.COM

Field

Representative Name: Robyn Russell

Street Address: 600 W. Illinois Ave.

City: Midland **State:** TX **Zip:** 79701

Phone: (432)685-4385

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

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

Application Data
04/17/2026

APD ID: 10400109614
Submission Date: 01/13/2026
Operator Name: MARATHON OIL PERMIAN LLC
Well Name: DOLLY PURRTON FEDERAL COM
Well Number: 502H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Section 1 - General

APD ID: 10400109614
Tie to previous NOS? N
Submission Date: 01/13/2026
BLM Office: Carlsbad
User: MAYTE REYES
Title: Regulatory Analyst
Federal/Indian APD: FED
Is the first lease penetrated for production Federal or Indian? FED
Lease number: NMNM84729
Lease Acres:
Surface access agreement in place?
Allotted?
Reservation:
Agreement in place? NO
Federal or Indian agreement:
Agreement number:
Agreement name:
Keep application confidential? Y
Permitting Agent? NO
APD Operator: MARATHON OIL PERMIAN LLC
Operator letter of

Operator Info

Operator Organization Name: MARATHON OIL PERMIAN LLC
Operator Address: 990 TOWN & COUNTRY BLVD
Zip: 77024
Operator PO Box:
Operator City: HOUSTON
State: TX
Operator Phone: (713)929-6600
Operator Internet Address:

Section 2 - Well Information

Well in Master Development Plan? NO
Master Development Plan name:
Well in Master SUPO? NO
Master SUPO name:
Well in Master Drilling Plan? NO
Master Drilling Plan name:
Well Name: DOLLY PURRTON FEDERAL COM
Well Number: 502H
Field/Pool or Exploratory? Field and Pool
Field Name: DIAMONDTAIL
Pool Name: BONE SPRING

Released to Imaging: 9/17/2026 3:34:21 PM

Operator Name: MARATHON OIL PERMIAN LLC

Well Name: DOLLY PURRTON FEDERAL COM **Well Number:** 502H

Is the proposed well in an area containing other mineral resources? NATURAL GAS,OIL

Is the proposed well in a Helium production area? N **Use Existing Well Pad?** N **New surface disturbance?**

Type of Well Pad: MULTIPLE WELL

Multiple Well Pad Name: DOLLY PURRTON FEDERAL COM

Number: 301H, 401H, 501H, 402H, 502H

Well Class: HORIZONTAL

Number of Legs: 1

Well Work Type: Drill

Well Type: OIL WELL

Describe Well Type:

Well sub-Type: EXPLORATORY (WILDCAT)

Describe sub-type:

Distance to town: 24 Miles **Distance to nearest well:** 30 FT **Distance to lease line:** 50 FT

Reservoir well spacing assigned acres Measurement: 959.29 Acres

Well plat: MRO_Dolly_Purrton_502H_C102_20260113083050.pdf

Well work start Date: 01/01/2027 **Duration:** 30 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83 **Vertical Datum:** NAVD88

Survey number: **Reference Datum:** GROUND LEVEL

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this
SHL Leg #1	382	FSL	1755	FWL	23S	32E	14	Aliquot SESW	32.298361	-103.647801	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 84729	3717			Y
KOP Leg #1	382	FSL	1755	FWL	23S	32E	14	Aliquot SESW	32.298361	-103.647801	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 84729	3717	0	0	Y

Operator Name: MARATHON OIL PERMIAN LLC

Well Name: DOLLY PURRTON FEDERAL COM **Well Number:** 502H

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this
PPP Leg #1-1	100	FSL	2090	FWL	23S	32E	14	Aliquot SESW	32.29759	-103.646717	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 84729	-6827	10600	10544	Y
PPP Leg #1-2	1	FSL	2090	FWL	23S	32E	11	Aliquot SESW	32.311826	-103.64672	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 85940	-6983	15960	10700	Y
PPP Leg #1-3	2639	FNL	2090	FWL	23S	32E	11	Aliquot SENW	32.319093	-103.646722	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 77062	-6983	18601	10700	Y
EXIT Leg #1	100	FNL	2090	FWL	23S	32E	2	Lot 3	32.340566	-103.646726	LEA	NEW MEXICO	NEW MEXICO	S	STATE	-6983	26127	10700	Y
BHL Leg #1	50	FNL	2090	FWL	23S	32E	2	Lot 3	32.340703	-103.646726	LEA	NEW MEXICO	NEW MEXICO	S	STATE	-6983	26127	10700	Y

CONFIDENTIAL

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

Drilling Plan Data Report
04/17/2026

APD ID: 10400109614
Submission Date: 01/13/2026
Operator Name: MARATHON OIL PERMIAN LLC
Well Name: DOLLY PURRTON FEDERAL COM
Well Number: 502H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
17891585	QUATERNARY	3717	0	0	ALLUVIUM	NONE	N
17891582	RUSTLER	2471	1246	1246	GYPSUM	NONE	N
17891581	TOP SALT	2027	1690	1690	SALT	NONE	N
17891564	BASE OF SALT	-909	4626	4626	SALT	NONE	N
17891583	LAMAR	-1202	4919	4919	SALT	NONE	N
17891566	BELL CANYON	-1275	4992	4992	SALT	NONE	N
17891572	CHERRY CANYON	-2126	5843	5843	SANDSTONE	NATURAL GAS, OIL	N
17891587	BRUSHY CANYON	-3375	7092	7092	SANDSTONE	NATURAL GAS, OIL	N
17891577	BONE SPRING	-5126	8843	8843	LIMESTONE	NATURAL GAS, OIL	N
17891579		-10937	9653	9653			N
17891604	BONE SPRING 1ST	-6276	9993	9993	SANDSTONE	NATURAL GAS, OIL	N
17891601	BONE SPRING 1ST	-6517	10234	10234	SANDSTONE	NATURAL GAS, OIL	N
17891570	BONE SPRING 2ND	-6797	10514	10514	SANDSTONE	NATURAL GAS, OIL	Y
17891563	BONE SPRING 3RD	-7355	11072	11072	SANDSTONE	NATURAL GAS, OIL	N

Section 2 - Blowout Prevention

Operator Name: MARATHON OIL PERMIAN LLC

Well Name: DOLLY PURRTON FEDERAL COM **Well Number:** 502H

Pressure Rating (PSI): 10M **Rating Depth:** 10700

Equipment: Annular, Blind Ram, Pipe Ram, Double Ram. The BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold.
Requesting Variance? YES

Variance request: A variance is requested for the use of a flexible choke line from the BOP to choke manifold. See attached for specs and hydrostatic test chart. A variance is requested for use of a multi-bowl wellhead. A variance is requested to allow for break testing during batch drilling.
Testing Procedure: BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per 43 CFR Part 3170 Subpart 3172 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.
Choke Diagram Attachment:

MRO_Dolly_Purrton_10M_Choke_20260107154128.pdf

BOP Diagram Attachment:

MRO_Dolly_Purrton_Flex_Hose_Variance_20260107154146.pdf

MRO_Dolly_Purrton_10M_BOP_20260107154146.pdf

Pressure Rating (PSI): 5M **Rating Depth:** 4940

Equipment: Annular, Blind Ram, Pipe Ram, Double Ram. The BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold.
Requesting Variance? YES

Variance request: A variance is requested for the use of a flexible choke line from the BOP to choke manifold. See attached for specs and hydrostatic test chart. A variance is requested for use of a multi-bowl wellhead. A variance is requested to allow for break testing during batch drilling.
Testing Procedure: A variance is requested for the use of a flexible choke line from the BOP to choke manifold. See attached for specs and hydrostatic test chart. A variance is requested for use of a multi-bowl wellhead. BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per 43 CFR Part 3170 Subpart 3172 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Choke Diagram Attachment:

MRO_Dolly_Purrton_5M_Choke_20260107153830.pdf

BOP Diagram Attachment:

MRO_Dolly_Purrton_Flex_Hose_Variance_20260107154025.pdf

MRO_Dolly_Purrton_5M_BOP_20260107154026.pdf

CONFIDENTIAL

Operator Name: MARATHON OIL PERMIAN LLC

Well Name: DOLLY PURRTON FEDERAL COM **Well Number:** 502H

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	14.75	10.75	NEW	API	N	0	1540	0	1540	3717	2177	1540	J-55	45.5	OTHER - BTC	2.97	3.81	DRY	11.36	DRY	10.2
2	INTERMEDIATE	9.875	8.625	NEW	API	N	0	4940	0	4940	-6907	-1223	4940	OTHER - P110-ICY	32	OTHER - W441	2.05	5.96	DRY	5.88	DRY	7.24
3	PRODUCTION	7.88	5.5	NEW	API	N	0	25293	0	9610	-6907	-5893	25293	OTHER - P110-CY	23	OTHER - TXP-BTC	4.16	3.04	DRY	2.96	DRY	2.96

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

MRO_Dolly_Purrton_502H_Casing_Program_20260112071127.pdf

CONFIDENTIAL

Operator Name: MARATHON OIL PERMIAN LLC

Well Name: DOLLY PURRTON FEDERAL COM **Well Number:** 502H

Casing Attachments

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

MRO_Dolly_Purrton_502H_Casing_Program_20260112071140.pdf

Casing ID: 3 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

MRO_Dolly_Purrton_502H_Casing_Program_20260112071151.pdf

Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	1540	400	1.75	13.5	700	50	Lead: Class C	N/A
SURFACE	Tail		0	1540	130	1.34	14.8	174	50	Tail: Class C	N/A
INTERMEDIATE	Lead		0	4940	290	1.8	12.8	522	50	Class C	N/A
INTERMEDIATE	Tail		0	4940	100	1.34	14.8	134	50	Class C	N/A
PRODUCTION	Lead		10700	26127	1280	2.46	11	3148	20	Class C	No additives

Operator Name: MARATHON OIL PERMIAN LLC

Well Name: DOLLY PURRTON FEDERAL COM **Well Number:** 502H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Tail		10700	26127	2340	1.18	13.2	2761	20	Class C	No additives

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with 43 CFR 3172:

Diagram of the equipment for the circulating system in accordance with 43 CFR 3172:

Describe what will be on location to control well or mitigate other conditions: Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times

Describe the mud monitoring system utilized: PVT/Pason/Visual Monitoring

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
1540	4940	OTHER : Saturated Brine	9	10							Saturated Brine
4940	26127	WATER-BASED MUD	8.6	10.5							WBM
0	1540	OTHER : Fresh water gel	8.6	8.8							Fresh water gel

Operator Name: MARATHON OIL PERMIAN LLC

Well Name: DOLLY PURRTON FEDERAL COM **Well Number:** 502H

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

None planned

List of open and cased hole logs run in the well:

COMPENSATED NEUTRON LOG,GAMMA RAY LOG,

Coring operation description for the well:

None planned

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 5845 **Anticipated Surface Pressure:** 3490

Anticipated Bottom Hole Temperature(F): 165

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

MRO_Dolly_Purrton_H2S_SUP_20260108152608.pdf

MRO_Dolly_Purrton_H2S_Schem_20260109083840.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

MRO_Dolly_Purrton_502H_AC_Report_20260111182448.pdf

MRO_Dolly_Purrton_502H_Directional_Plan_20260111182449.pdf

Other proposed operations facets description:

Drilling Program.
Cement Program.
GCP.

Other proposed operations facets attachment:

API_BTC_10.750_0.400_J55__Casing__20260108153222.pdf

API_BTC_7.625_0.375_L80_20260108153219.pdf

BOP_Break_Testing_Documentation_6_07_23_20260109083945.pdf

Cameron_Multi_Bowl_WH_20260109083945.pdf

Recommended_COP_Bradenhead_Procedure_20260109083945.pdf

Operator Name: MARATHON OIL PERMIAN LLC

Well Name: DOLLY PURRTON FEDERAL COM **Well Number:** 502H

TXPBTC_5.500_0.415_P110CY_20260108153223.pdf
Wedge_441_5.500_0.415_P110CY_20260108153223.pdf
Wedge_441_8.625_0.352_P110ICY_20260108153223.pdf
Wedge_513_7.625_0.375_P110ICY_20260108153223.pdf
MRO_Dolly_Purrton_502H_Drilling_Program_20260111182509.pdf
COG_Dolly_Purrton_502H_GCP_20260112071221.pdf
MRO_Dolly_Purrton_502H_Casing_Program_20260112071222.pdf
MRO_Dolly_Purrton_502H_Cement_Program_20260112071222.pdf

Other Variance request(s)?: Y

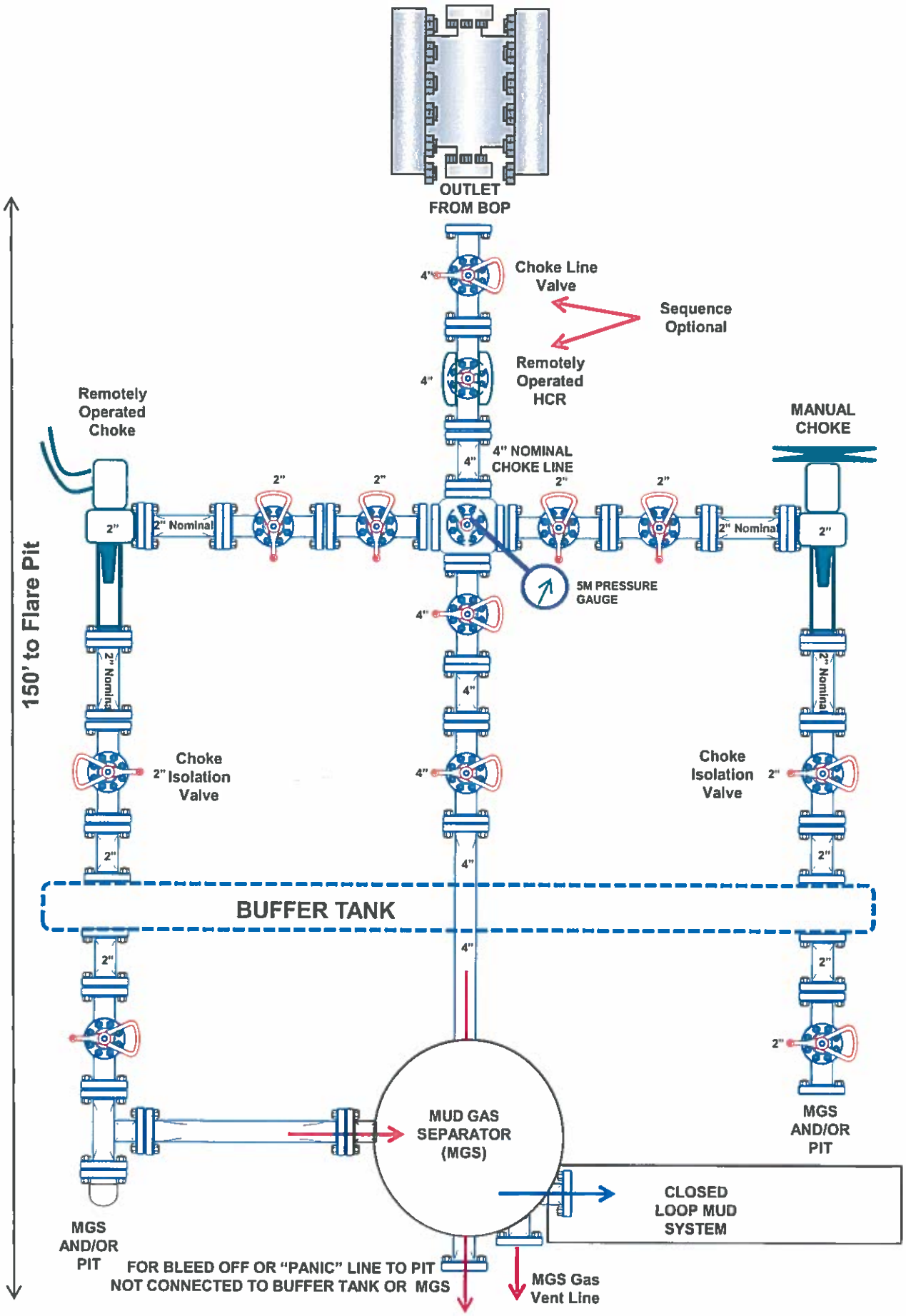
Other Variance attachment:

COG_6.75_5M_Variance_WCP_20220627161206.pdf

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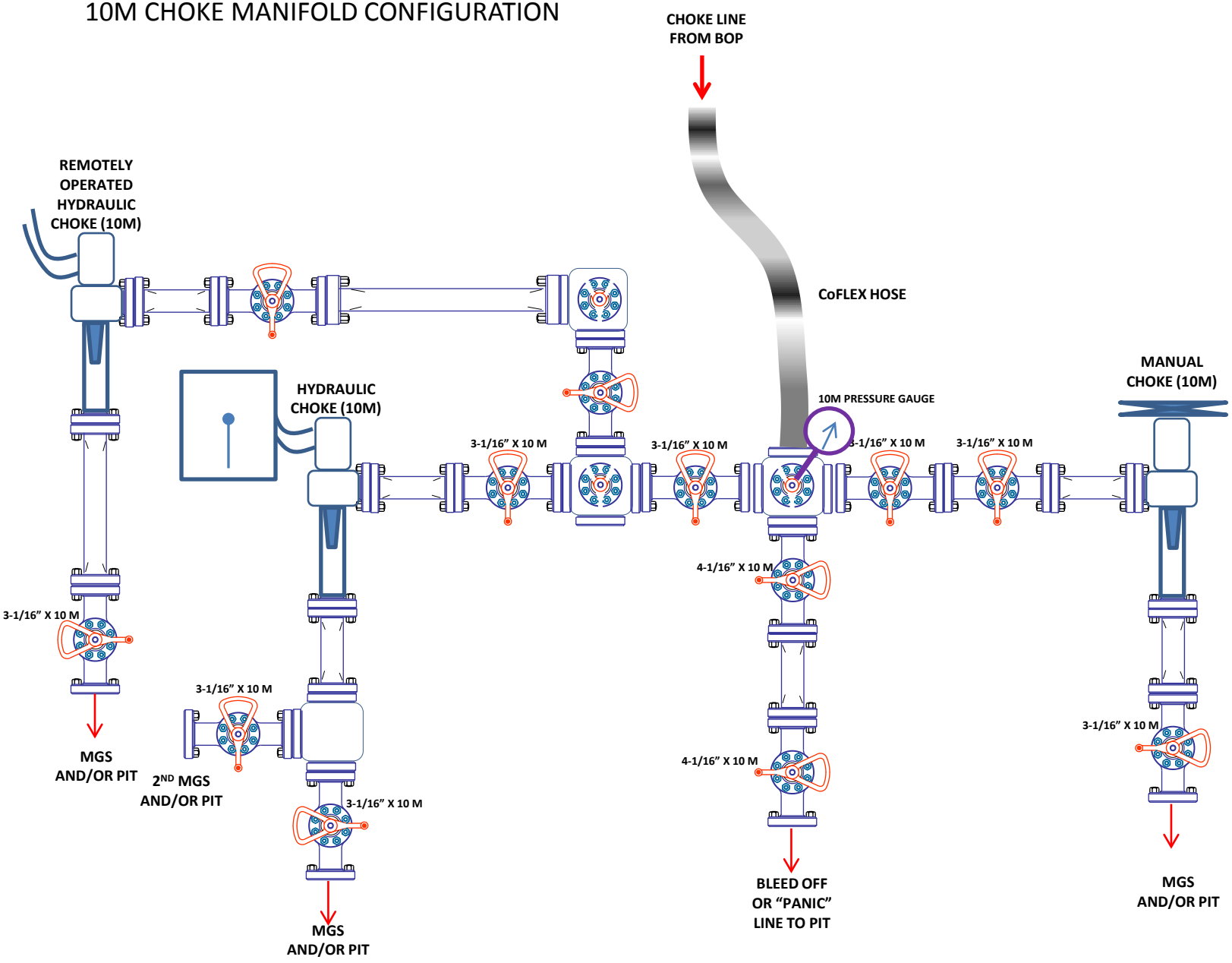
5M Choke Manifold Equipment (WITH MGS + CLOSED LOOP)



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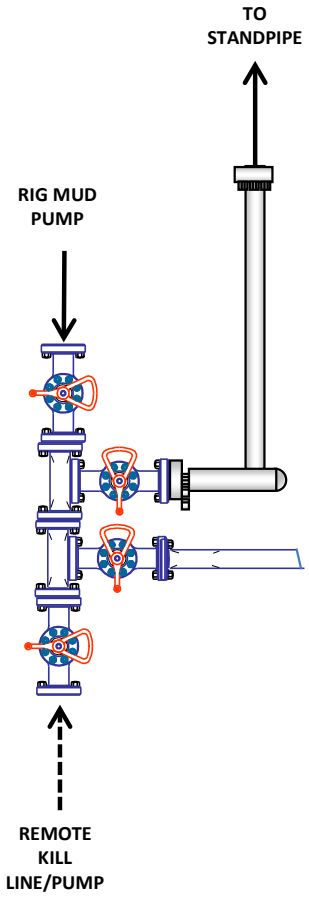
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10M CHOKE MANIFOLD CONFIGURATION

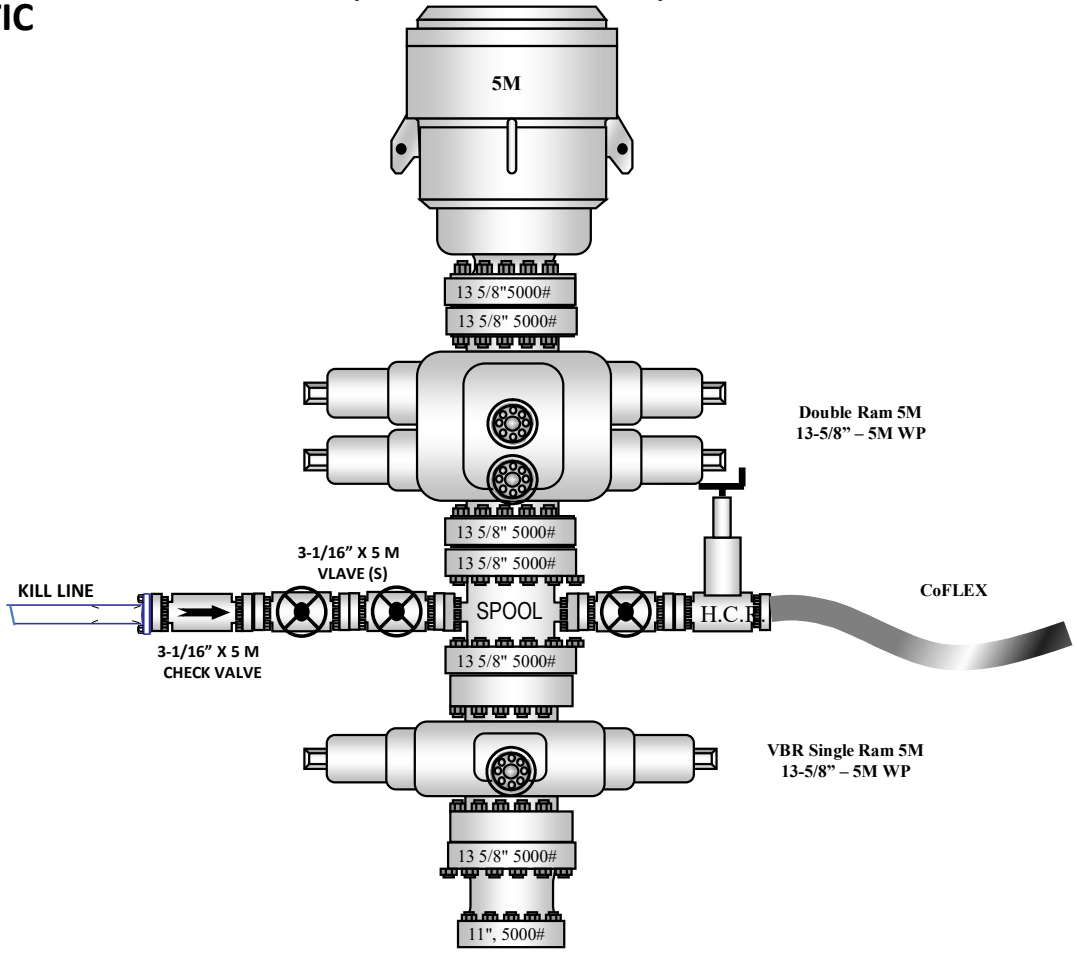


5M BOP Stack

10M REMOTE KILL SCHEMATIC

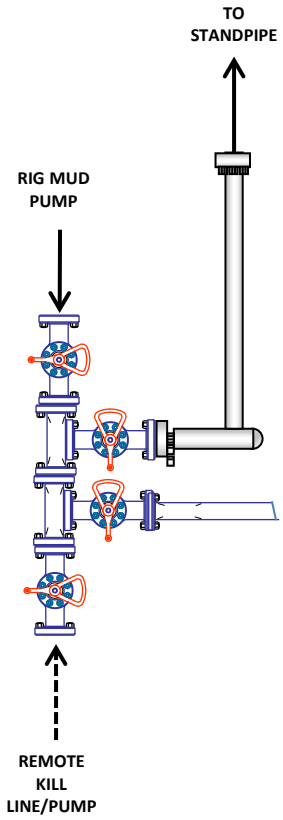


5M BOP Stack
(2.5M Annular)

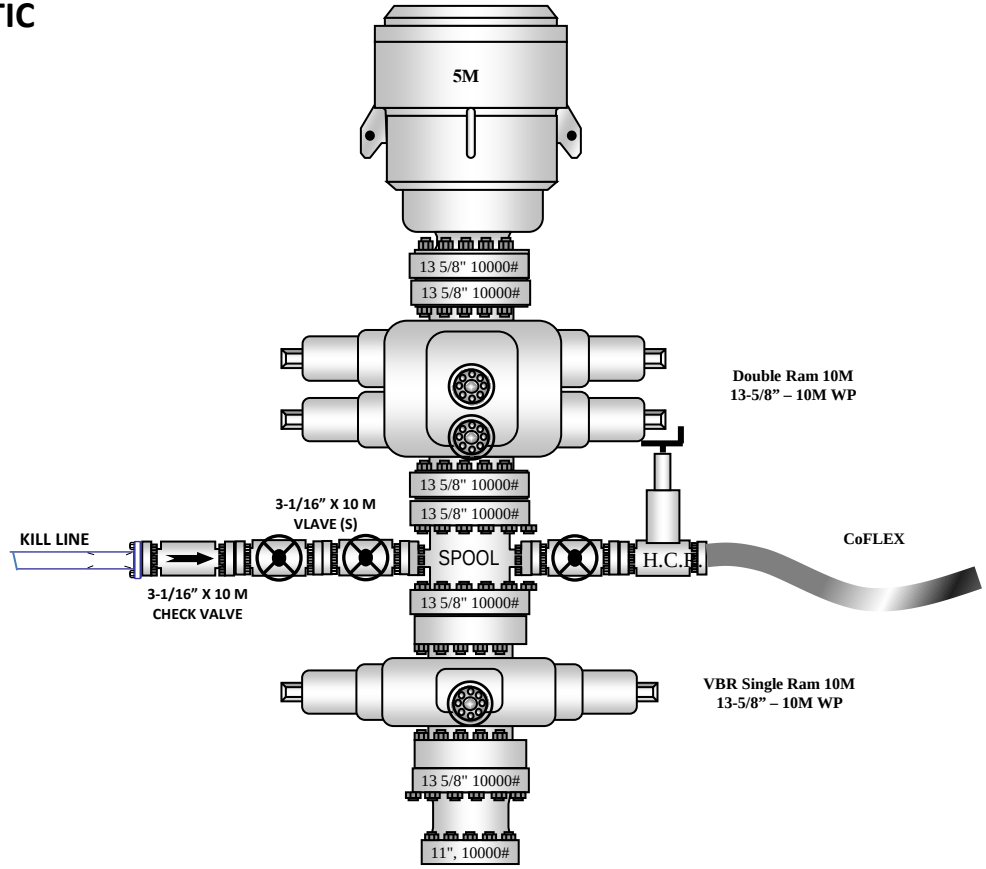


10M BOP Stack

10M REMOTE KILL SCHEMATIC



10M BOP Stack
(5M Annular)



MARATHON OIL PERMIAN LLC
HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

1. HYDROGEN SULFIDE TRAINING

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

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

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

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

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

2. H_2S SAFETY EQUIPMENT AND SYSTEMS

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

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

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

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

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

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

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

g. Communication:
Company vehicles equipped with cellular telephone.

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

W A R N I N G

YOU ARE ENTERING AN H_2S AREA
AUTHORIZED PERSONNEL ONLY

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

MARATHON OIL PERMIAN LLC

1-575-748-6940

EMERGENCY CALL LIST

	OFFICE	MOBILE
MARATHON OIL PERMIAN LLC	575-748-6940	
CHAD GREGORY	432-683-7443	432-238-5840
KEVIN HAMMONS	432-688-6643	337-962-8823

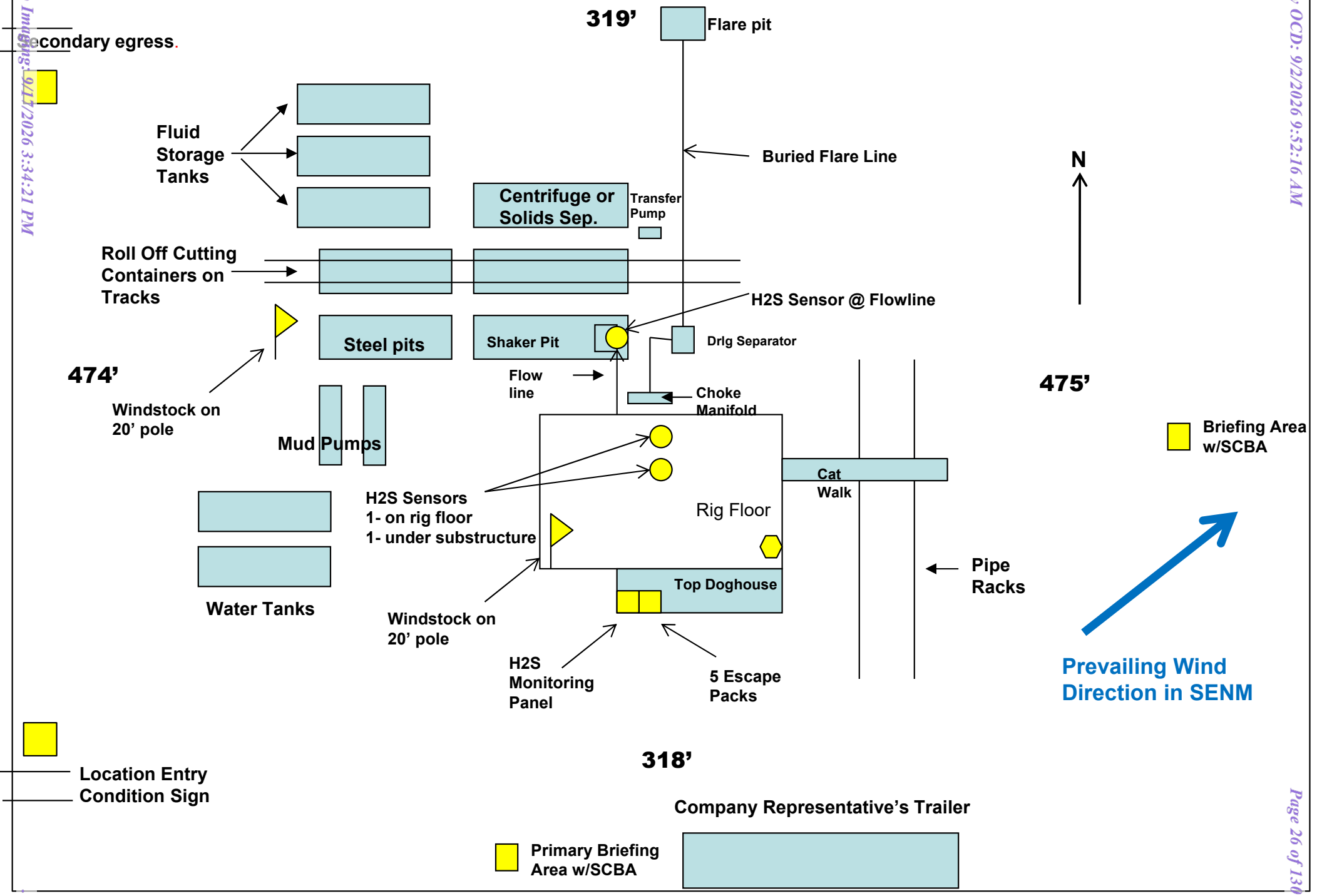
EMERGENCY RESPONSE NUMBERS

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

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Marathon Oil Permian LLC
H_2S Equipment Schematic
Terrain: Shinnery sand hills.

Well pad will be 949' X 637'
with cellar in center of pad



DELAWARE BASIN EAST

LEA COUNTY SOUTHEAST
DOLLY PURTON FEDERAL COM PROJECT
_DOLLY PURRTON FEDERAL COM 502H

OWB
PWP0

Anticollision Report

20 October, 2025

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Reference	PWP0		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 100.00usft	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Max. Cent. Dist. of 1,000.00usft or Max. Ell. Sep. of 500.00usft	**Error Surface:**	Combined Pedal Curve
Warning Levels Evaluated at:	2.79 **Sigma**	**Casing Method:**	Added to Error Values

Survey Tool Program **Date** 10/20/2025

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	5,523.77	PWP0 (OWB)	r.5 MWD+IFR1+SAG+FDIR	ISCWSA MWD + IFR1 + SAG + FDIR Corr
10,250.00	26,126.59	PWP0 (OWB)	r.5 MWD+IFR1+SAG+FDIR	ISCWSA MWD + IFR1 + SAG + FDIR Corr

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
AVION FEDERAL COM PROJECT						
DIAMONDTAIL 23 FEDERAL #2H - OWB - AWP						Out of range
DOLLY PURTON FEDERAL COM PROJECT						
_DOLLY PURRTON FEDERAL COM 301H - OWB - PW	2,000.00	1,640.00	80.00	69.11	7.345	CC, ES
_DOLLY PURRTON FEDERAL COM 301H - OWB - PW	9,500.00	9,130.52	142.12	114.88	5.217	SF
_DOLLY PURRTON FEDERAL COM 401H - OWB - PW	2,000.00	2,000.00	60.00	48.55	5.241	CC, ES
_DOLLY PURRTON FEDERAL COM 401H - OWB - PW	2,100.00	2,100.41	60.72	48.96	5.164	SF
_DOLLY PURRTON FEDERAL COM 402H - OWB - PW	2,000.00	1,640.00	20.00	9.11	1.836	Caution - Monitor Closely, CC, ES, SF
_DOLLY PURRTON FEDERAL COM 501H - OWB - PW	2,000.00	2,000.00	40.00	28.55	3.494	CC, ES
_DOLLY PURRTON FEDERAL COM 501H - OWB - PW	2,100.00	2,100.31	40.67	28.91	3.458	SF
REDTAIL FED COM PROJECT						
_REDTAIL FEDERAL COM 302H - OWB - PWP0						Out of range
_REDTAIL FEDERAL COM 403H - OWB - PWP0						Out of range
_REDTAIL FEDERAL COM 503H - OWB - PWP0						Out of range
AMANDA AMN FEDERAL #001 (ABD) - OWB - AWP						Out of range
CUERVO FEDERAL 1_SWD - OWB - AWP						Out of range
CUERVO FEDERAL 21H - OWB - AWP	9,700.00	14,045.00	914.06	804.16	8.317	SF
CUERVO FEDERAL 21H - OWB - AWP	9,774.60	14,045.00	911.01	801.49	8.318	CC, ES
DIAMONDTAIL 23 FEDERAL 4H - OWB - AWP	8,261.18	8,205.15	404.60	377.28	14.809	CC, ES
DIAMONDTAIL 23 FEDERAL 4H - OWB - AWP	8,500.00	8,442.23	405.05	377.57	14.743	SF
DOLLY PURRTON WC FEDERAL COM 701H - OWB - A	100.00	75.17	525.60	520.70	107.423	CC
DOLLY PURRTON WC FEDERAL COM 701H - OWB - A	400.00	373.94	526.80	520.31	81.133	ES
DOLLY PURRTON WC FEDERAL COM 701H - OWB - A	10,100.00	9,981.83	999.29	970.47	34.680	SF
DOLLY PURRTON WC FEDERAL COM 702H - DOLLY P	100.00	74.86	521.91	517.02	106.681	CC
DOLLY PURRTON WC FEDERAL COM 702H - DOLLY P	400.00	372.93	523.12	516.61	80.445	ES
DOLLY PURRTON WC FEDERAL COM 702H - DOLLY P	10,300.00	10,281.43	596.73	561.44	16.909	SF
DOLLY PURRTON WC FEDERAL COM 703H - DOLLY P	10,300.00	10,310.20	71.25	25.57	1.560	Caution - Monitor Closely, SF
DOLLY PURRTON WC FEDERAL COM 703H - DOLLY P	10,325.00	10,334.57	69.61	25.29	1.571	Caution - Monitor Closely, ES
DOLLY PURRTON WC FEDERAL COM 703H - DOLLY P	10,353.80	10,362.41	68.85	26.78	1.637	Caution - Monitor Closely, CC
LLAMA MALL 26.35 FED 313H - OWB - AWP						Out of range
LLAMA MALL 26-35 FED 025H - OWB - AWP						Out of range
LLAMA MALL 26-35 FED 034H - OWB - AWP						Out of range
LLAMA MALL 26-35 FED COM 022H - OWB - AWP						Out of range

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
REDTAIL FED COM PROJECT						
LLAMA MALL 26-35 FED COM 023H - OWB - AWP	26,127.32	20,847.00	187.85	63.88	1.515	Caution - Monitor Closely, CC, ES, SF
LLAMA MALL 26-35 FED COM 032H - OWB - AWP						Out of range
LLAMA MALL 26-35 FED COM 033H - OWB - AWP	21,611.85	10,684.02	997.04	859.23	7.235	CC, ES, SF
LLAMA MALL 26-35 FED COM 311H - OWB - AWP						Out of range
LLAMA MALL 26-35 FED COM 312H - OWB - AWP						Out of range
LLAMA MALL 26-35 FEDERAL 024H - OWB - AWP						Out of range
REDTAIL FEDERAL COM 602H - OWB - AWP						Out of range
REDTAIL FEDERAL COM 602Y - OWB - AWP						Out of range
REDTAIL FEDERAL COM 701H - OWB - AWP						Out of range
REDTAIL FEDERAL COM 703H - OWB - AWP	26,127.32	10,729.86	968.75	781.29	5.168	CC, ES, SF
REDTAIL STATE COM 1H - OWB - AWP						Out of range
SAFFRON UNIT 1_PA - OWB - AWP						Out of range
TRISTE DRAW FEDERAL 2_PA - OWB - AWP	12,449.72	10,667.44	643.00	581.25	10.413	CC, ES
TRISTE DRAW FEDERAL 2_PA - OWB - AWP	12,500.00	10,669.03	644.96	582.93	10.398	SF
URRACA 11 AV FEDERAL COM - OWB - AWP	16,519.58	13,800.82	986.46	911.13	13.095	CC, ES
URRACA 11 AV FEDERAL COM - OWB - AWP	20,200.00	10,164.10	992.49	916.38	13.041	SF
URRACA 11 SB FEDERAL #004H - OWB - AWP						Out of range
URRACA FEDERAL #1 (P&A) - OWB - AWP	16,350.12	10,687.71	115.28	-278.59	0.293	STOP Drilling, CC, ES, SF

Offset Design: DOLLY PURTON FEDERAL COM PROJECT - _DOLLY PURRTON FEDERAL COM 301H - OWB - PWP0

Offset Site Error: 0.00 usft

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

Rule Assigned:

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.00	0.00	0.00	360.00	0.00	0.00	0.00	80.00	0.00	368.78				
100.00	100.00	0.00	360.00	0.79	0.00	0.00	80.00	0.00	272.03	268.47	3.56	76.369	
200.00	200.00	0.00	360.00	1.45	0.00	0.00	80.00	0.00	178.89	175.39	3.50	51.154	
300.00	300.00	0.00	360.00	1.89	0.00	0.00	80.00	0.00	100.00	96.65	3.35	29.847	
388.09	388.09	28.09	388.09	2.21	0.22	0.00	80.00	0.00	80.00	76.42	3.58	22.336	
400.00	400.00	40.00	400.00	2.26	0.32	0.00	80.00	0.00	80.00	76.34	3.66	21.875	
500.00	500.00	140.00	500.00	2.57	1.06	0.00	80.00	0.00	80.00	75.65	4.35	18.373	
600.00	600.00	240.00	600.00	2.85	1.63	0.00	80.00	0.00	80.00	74.94	5.06	15.813	
700.00	700.00	340.00	700.00	3.11	2.04	0.00	80.00	0.00	80.00	74.33	5.67	14.117	
800.00	800.00	440.00	800.00	3.35	2.38	0.00	80.00	0.00	80.00	73.79	6.21	12.875	
900.00	900.00	540.00	900.00	3.58	2.68	0.00	80.00	0.00	80.00	73.28	6.72	11.912	
1,000.00	1,000.00	640.00	1,000.00	3.79	2.95	0.00	80.00	0.00	80.00	72.82	7.18	11.135	
1,100.00	1,100.00	740.00	1,100.00	4.00	3.21	0.00	80.00	0.00	80.00	72.37	7.63	10.491	
1,200.00	1,200.00	840.00	1,200.00	4.19	3.44	0.00	80.00	0.00	80.00	71.96	8.04	9.944	
1,300.00	1,300.00	940.00	1,300.00	4.38	3.66	0.00	80.00	0.00	80.00	71.56	8.45	9.473	
1,400.00	1,400.00	1,040.00	1,400.00	4.56	3.87	0.00	80.00	0.00	80.00	71.17	8.83	9.061	
1,500.00	1,500.00	1,140.00	1,500.00	4.74	4.07	0.00	80.00	0.00	80.00	70.80	9.20	8.696	
1,600.00	1,600.00	1,240.00	1,600.00	4.91	4.27	0.00	80.00	0.00	80.00	70.44	9.56	8.371	
1,700.00	1,700.00	1,340.00	1,700.00	5.08	4.45	0.00	80.00	0.00	80.00	70.10	9.90	8.077	
1,800.00	1,800.00	1,440.00	1,800.00	5.24	4.63	0.00	80.00	0.00	80.00	69.76	10.24	7.811	
1,900.00	1,900.00	1,540.00	1,900.00	5.40	4.81	0.00	80.00	0.00	80.00	69.43	10.57	7.568	
2,000.00	2,000.00	1,640.00	2,000.00	5.56	4.98	0.00	80.00	0.00	80.00	69.11	10.89	7.345	CC, ES

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: DOLLY PURTON FEDERAL COM PROJECT - _DOLLY PURRTON FEDERAL COM 301H - OWB - PWP0

Offset Site Error: 0.00 usft

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

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,100.00	2,099.98	1,739.98	2,099.98	5.78	5.15	-128.52	80.00	0.00	81.08	69.85	11.22	7.225	
2,200.00	2,199.84	1,839.84	2,199.84	5.98	5.31	-131.24	80.00	0.00	84.44	72.90	11.53	7.320	
2,300.00	2,299.45	1,939.45	2,299.45	6.18	5.47	-135.31	80.00	0.00	90.43	78.57	11.86	7.625	
2,349.95	2,349.08	1,989.08	2,349.08	6.21	5.54	-137.65	80.00	0.00	94.54	82.57	11.97	7.897	
2,400.00	2,398.76	2,039.96	2,399.95	6.24	5.64	-140.00	79.79	0.19	98.91	86.82	12.09	8.178	
2,500.00	2,498.01	2,142.79	2,502.73	6.36	5.86	-143.49	77.37	2.40	105.70	93.28	12.42	8.511	
2,600.00	2,597.27	2,246.14	2,605.84	6.48	6.02	-145.78	72.19	7.13	109.53	96.85	12.68	8.638	
2,700.00	2,696.52	2,346.88	2,706.14	6.61	6.10	-147.37	65.29	13.43	111.19	98.30	12.89	8.624	
2,800.00	2,795.78	2,446.82	2,805.64	6.74	6.22	-148.89	58.37	19.74	112.85	99.71	13.15	8.584	
2,900.00	2,895.03	2,546.76	2,905.14	6.87	6.34	-150.36	51.46	26.05	114.59	101.19	13.40	8.549	
3,000.00	2,994.29	2,646.70	3,004.65	7.00	6.46	-151.78	44.54	32.36	116.41	102.74	13.67	8.517	
3,100.00	3,093.54	2,746.65	3,104.15	7.14	6.59	-153.16	37.62	38.68	118.29	104.36	13.93	8.490	
3,200.00	3,192.80	2,846.59	3,203.65	7.28	6.72	-154.49	30.71	44.99	120.24	106.03	14.20	8.465	
3,300.00	3,292.05	2,946.53	3,303.16	7.42	6.84	-155.79	23.79	51.30	122.25	107.77	14.48	8.444	
3,400.00	3,391.31	3,046.47	3,402.66	7.57	6.98	-157.04	16.87	57.61	124.32	109.57	14.76	8.425	
3,500.00	3,490.56	3,146.42	3,502.16	7.71	7.11	-158.25	9.96	63.92	126.45	111.41	15.04	8.408	
3,600.00	3,589.82	3,246.36	3,601.66	7.86	7.25	-159.41	3.04	70.24	128.64	113.31	15.33	8.394	
3,700.00	3,689.07	3,346.30	3,701.17	8.01	7.38	-160.54	-3.88	76.55	130.87	115.26	15.61	8.382	
3,800.00	3,788.32	3,446.24	3,800.67	8.16	7.52	-161.63	-10.79	82.86	133.16	117.25	15.91	8.371	
3,900.00	3,887.58	3,546.18	3,900.17	8.31	7.66	-162.68	-17.71	89.17	135.49	119.29	16.20	8.363	
4,000.00	3,986.83	3,646.13	3,999.67	8.47	7.81	-163.70	-24.63	95.48	137.87	121.37	16.50	8.355	
4,100.00	4,086.09	3,746.07	4,099.18	8.62	7.95	-164.68	-31.54	101.80	140.28	123.48	16.80	8.350	
4,200.00	4,185.34	3,846.01	4,198.68	8.78	8.09	-165.63	-38.46	108.11	142.74	125.64	17.10	8.345	
4,300.00	4,284.60	3,945.95	4,298.18	8.94	8.24	-166.55	-45.38	114.42	145.24	127.83	17.41	8.342	
4,400.00	4,383.85	4,045.90	4,397.68	9.10	8.39	-167.43	-52.29	120.73	147.77	130.05	17.72	8.340	
4,500.00	4,483.11	4,145.84	4,497.19	9.26	8.54	-168.29	-59.21	127.05	150.33	132.30	18.03	8.339	
4,600.00	4,582.36	4,245.78	4,596.69	9.42	8.69	-169.12	-66.13	133.36	152.93	134.59	18.34	8.338	
4,700.00	4,681.62	4,345.72	4,696.19	9.58	8.84	-169.92	-73.04	139.67	155.56	136.90	18.65	8.339	
4,800.00	4,780.87	4,445.67	4,795.70	9.75	8.99	-170.69	-79.96	145.98	158.22	139.25	18.97	8.340	
4,900.00	4,880.13	4,545.61	4,895.20	9.91	9.14	-171.43	-86.88	152.29	160.90	141.61	19.29	8.343	
5,000.00	4,979.38	4,645.55	4,994.70	10.08	9.30	-172.16	-93.79	158.61	163.61	144.01	19.61	8.345	
5,100.00	5,078.64	4,745.49	5,094.20	10.24	9.45	-172.85	-100.71	164.92	166.35	146.43	19.93	8.349	
5,200.00	5,177.89	4,845.43	5,193.71	10.41	9.61	-173.53	-107.63	171.23	169.11	148.86	20.25	8.353	
5,300.00	5,277.15	4,945.38	5,293.21	10.58	9.76	-174.18	-114.54	177.54	171.89	151.33	20.57	8.357	
5,324.87	5,301.83	4,970.23	5,317.96	10.61	9.80	-174.34	-116.26	179.11	172.59	151.96	20.63	8.364	
5,400.00	5,376.46	5,045.33	5,392.72	10.72	9.92	-174.80	-121.46	183.86	174.21	153.35	20.86	8.350	
5,500.00	5,475.96	5,145.31	5,492.27	10.89	10.08	-175.36	-128.38	190.17	174.86	153.68	21.18	8.255	
5,600.00	5,575.61	5,245.30	5,591.81	11.05	10.24	-175.87	-135.30	196.48	173.78	152.28	21.50	8.084	
5,700.00	5,675.40	5,345.24	5,691.32	11.20	10.40	-176.35	-142.22	202.80	170.98	149.17	21.81	7.840	
5,800.00	5,775.28	5,445.13	5,790.76	11.35	10.55	-176.81	-149.13	209.11	166.45	144.34	22.11	7.530	
5,900.00	5,875.23	5,543.11	5,888.34	11.49	10.69	-177.25	-155.64	215.04	160.57	138.18	22.38	7.173	
6,000.00	5,975.22	5,640.27	5,985.24	11.62	10.84	-177.61	-160.94	219.88	154.54	131.89	22.66	6.820	
6,024.78	6,000.00	5,664.36	6,009.28	11.63	10.88	-50.13	-162.06	220.91	153.04	130.34	22.70	6.741	
6,100.00	6,075.22	5,737.56	6,082.37	11.66	10.99	-50.33	-165.03	223.61	148.96	126.12	22.84	6.523	
6,200.00	6,175.22	5,835.01	6,179.74	11.72	11.13	-50.55	-167.90	226.24	145.00	121.98	23.02	6.298	
6,300.00	6,275.22	5,932.56	6,277.26	11.78	11.26	-50.67	-169.56	227.75	142.73	119.53	23.20	6.152	
6,400.00	6,375.22	6,030.52	6,375.22	11.85	11.36	-50.71	-170.00	228.15	142.12	118.78	23.35	6.087	
6,500.00	6,475.22	6,130.52	6,475.22	11.91	11.42	-50.71	-170.00	228.15	142.12	118.65	23.47	6.056	
6,600.00	6,575.22	6,230.52	6,575.22	11.97	11.48	-50.71	-170.00	228.15	142.12	118.53	23.59	6.025	
6,700.00	6,675.22	6,330.52	6,675.22	12.03	11.54	-50.71	-170.00	228.15	142.12	118.41	23.71	5.994	
6,800.00	6,775.22	6,430.52	6,775.22	12.09	11.60	-50.71	-170.00	228.15	142.12	118.29	23.83	5.964	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: DOLLY PURTON FEDERAL COM PROJECT - _DOLLY PURRTON FEDERAL COM 301H - OWB - PWP0 — **Offset Site Error:** 0.00 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR — **Offset Well Error:** 0.00 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
6,900.00	6,875.22	6,530.52	6,875.22	12.16	11.66	-50.71	-170.00	228.15	142.12	118.17	23.95	5.934	
7,000.00	6,975.22	6,630.52	6,975.22	12.22	11.72	-50.71	-170.00	228.15	142.12	118.05	24.07	5.904	
7,100.00	7,075.22	6,730.52	7,075.22	12.28	11.78	-50.71	-170.00	228.15	142.12	117.93	24.20	5.874	
7,200.00	7,175.22	6,830.52	7,175.22	12.35	11.84	-50.71	-170.00	228.15	142.12	117.80	24.32	5.844	
7,300.00	7,275.22	6,930.52	7,275.22	12.41	11.90	-50.71	-170.00	228.15	142.12	117.68	24.44	5.815	
7,400.00	7,375.22	7,030.52	7,375.22	12.47	11.96	-50.71	-170.00	228.15	142.12	117.56	24.56	5.786	
7,500.00	7,475.22	7,130.52	7,475.22	12.54	12.03	-50.71	-170.00	228.15	142.12	117.43	24.69	5.757	
7,600.00	7,575.22	7,230.52	7,575.22	12.60	12.09	-50.71	-170.00	228.15	142.12	117.31	24.81	5.728	
7,700.00	7,675.22	7,330.52	7,675.22	12.67	12.15	-50.71	-170.00	228.15	142.12	117.19	24.94	5.699	
7,800.00	7,775.22	7,430.52	7,775.22	12.73	12.21	-50.71	-170.00	228.15	142.12	117.06	25.06	5.671	
7,900.00	7,875.22	7,530.52	7,875.22	12.80	12.28	-50.71	-170.00	228.15	142.12	116.93	25.19	5.642	
8,000.00	7,975.22	7,630.52	7,975.22	12.86	12.34	-50.71	-170.00	228.15	142.12	116.81	25.31	5.614	
8,100.00	8,075.22	7,730.52	8,075.22	12.93	12.40	-50.71	-170.00	228.15	142.12	116.68	25.44	5.586	
8,200.00	8,175.22	7,830.52	8,175.22	12.99	12.47	-50.71	-170.00	228.15	142.12	116.55	25.57	5.559	
8,300.00	8,275.22	7,930.52	8,275.22	13.06	12.53	-50.71	-170.00	228.15	142.12	116.43	25.69	5.531	
8,400.00	8,375.22	8,030.52	8,375.22	13.12	12.59	-50.71	-170.00	228.15	142.12	116.30	25.82	5.504	
8,500.00	8,475.22	8,130.52	8,475.22	13.19	12.66	-50.71	-170.00	228.15	142.12	116.17	25.95	5.477	
8,600.00	8,575.22	8,230.52	8,575.22	13.25	12.72	-50.71	-170.00	228.15	142.12	116.04	26.08	5.450	
8,700.00	8,675.22	8,330.52	8,675.22	13.32	12.79	-50.71	-170.00	228.15	142.12	115.91	26.21	5.423	
8,800.00	8,775.22	8,430.52	8,775.22	13.39	12.85	-50.71	-170.00	228.15	142.12	115.79	26.34	5.396	
8,900.00	8,875.22	8,530.52	8,875.22	13.45	12.92	-50.71	-170.00	228.15	142.12	115.66	26.47	5.370	
9,000.00	8,975.22	8,630.52	8,975.22	13.52	12.98	-50.71	-170.00	228.15	142.12	115.53	26.60	5.344	
9,100.00	9,075.22	8,730.52	9,075.22	13.59	13.05	-50.71	-170.00	228.15	142.12	115.40	26.73	5.318	
9,200.00	9,175.22	8,830.52	9,175.22	13.66	13.11	-50.71	-170.00	228.15	142.12	115.27	26.86	5.292	
9,300.00	9,275.22	8,930.52	9,275.22	13.72	13.18	-50.71	-170.00	228.15	142.12	115.14	26.99	5.266	
9,400.00	9,375.22	9,030.52	9,375.22	13.79	13.24	-50.71	-170.00	228.15	142.12	115.00	27.12	5.241	
9,500.00	9,475.22	9,130.52	9,475.22	13.86	13.30	-50.71	-170.00	228.15	142.12	114.88	27.24	5.217 SF	
9,600.00	9,575.22	9,216.84	9,561.30	13.93	13.31	-49.20	-165.02	228.12	146.01	118.60	27.42	5.326	
9,700.00	9,675.22	9,296.38	9,638.69	13.99	13.29	-44.29	-147.08	228.01	161.91	134.07	27.85	5.815	
9,800.00	9,775.22	9,368.28	9,705.23	14.06	13.27	-38.24	-120.01	227.84	191.48	162.85	28.62	6.689	
9,900.00	9,875.22	9,430.86	9,759.28	14.13	13.25	-32.80	-88.55	227.64	234.63	204.95	29.68	7.905	
10,000.00	9,975.22	9,484.09	9,801.68	14.20	13.24	-28.54	-56.42	227.44	289.52	258.68	30.84	9.388	
10,100.00	10,075.22	9,525.00	9,831.68	14.27	13.23	-25.61	-28.62	227.26	353.75	321.69	32.06	11.032	
10,200.00	10,175.22	9,566.43	9,859.54	14.34	13.23	-22.97	2.03	227.07	425.04	392.04	33.00	12.881	
10,247.32	10,222.54	9,582.06	9,869.33	14.35	13.23	-22.07	14.21	226.99	460.76	427.31	33.44	13.777	
10,250.00	10,225.22	9,582.91	9,869.86	14.35	13.23	-21.50	14.88	226.99	462.81	429.48	33.33	13.885	
10,275.00	10,250.21	9,590.95	9,874.73	14.37	13.23	-19.87	21.27	226.95	481.67	448.11	33.56	14.351	
10,300.00	10,275.12	9,600.00	9,880.08	14.38	13.23	-18.43	28.57	226.90	500.02	466.25	33.77	14.805	
10,325.00	10,299.88	9,607.55	9,884.44	14.38	13.23	-17.22	34.73	226.86	517.83	483.81	34.02	15.223	
10,350.00	10,324.43	9,616.07	9,889.25	14.39	13.23	-16.14	41.77	226.82	535.08	500.83	34.24	15.626	
10,375.00	10,348.71	9,625.00	9,894.15	14.40	13.23	-15.19	49.23	226.77	551.74	517.27	34.47	16.008	
10,400.00	10,372.63	9,633.52	9,898.69	14.41	13.23	-14.36	56.44	226.73	567.80	533.11	34.70	16.365	
10,425.00	10,396.15	9,642.42	9,903.30	14.41	13.23	-13.62	64.05	226.68	583.24	548.32	34.92	16.703	
10,450.00	10,419.19	9,650.00	9,907.11	14.42	13.23	-12.98	70.60	226.64	598.05	562.89	35.16	17.008	
10,475.00	10,441.69	9,660.52	9,912.23	14.43	13.23	-12.37	79.79	226.58	612.20	576.84	35.36	17.313	
10,500.00	10,463.59	9,675.00	9,918.94	14.45	13.23	-11.79	92.62	226.50	625.75	590.24	35.51	17.624	
10,525.00	10,484.83	9,675.00	9,918.94	14.46	13.23	-11.43	92.62	226.50	638.53	602.69	35.84	17.815	
10,550.00	10,505.35	9,688.31	9,924.76	14.47	13.23	-10.98	104.59	226.43	650.63	614.63	36.00	18.073	
10,575.00	10,525.10	9,700.00	9,929.60	14.48	13.23	-10.59	115.23	226.36	662.05	625.88	36.18	18.300	
10,600.00	10,544.01	9,700.00	9,929.60	14.50	13.23	-10.33	115.23	226.36	672.84	636.35	36.49	18.440	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: DOLLY PURTON FEDERAL COM PROJECT - _DOLLY PURRTON FEDERAL COM 301H - OWB - PWP0

Offset Site Error: 0.00 usft

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

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Rule Assigned: No-Go Distance (usft)	Separation Factor	Warning
10,625.00	10,562.05	9,716.70	9,936.05	14.51	13.24	-9.99	130.63	226.26	682.73	646.13	36.60	18.653	
10,650.00	10,579.15	9,725.00	9,939.06	14.53	13.24	-9.73	138.37	226.21	691.99	655.18	36.80	18.802	
10,675.00	10,595.28	9,735.89	9,942.80	14.55	13.24	-9.50	148.59	226.15	700.49	663.52	36.98	18.945	
10,700.00	10,610.39	9,750.00	9,947.30	14.57	13.25	-9.28	161.97	226.07	708.29	671.18	37.11	19.086	
10,725.00	10,624.43	9,750.00	9,947.30	14.58	13.25	-9.14	161.97	226.07	715.31	677.94	37.37	19.140	
10,750.00	10,637.37	9,764.96	9,951.63	14.60	13.25	-8.96	176.29	225.98	721.51	684.02	37.49	19.246	
10,775.00	10,649.18	9,775.00	9,954.29	14.62	13.26	-8.83	185.97	225.91	726.99	689.35	37.65	19.312	
10,800.00	10,659.81	9,784.49	9,956.61	14.65	13.26	-8.72	195.17	225.86	731.70	693.90	37.80	19.358	
10,825.00	10,669.25	9,800.00	9,960.02	14.67	13.27	-8.62	210.30	225.76	735.69	697.79	37.90	19.411	
10,850.00	10,677.46	9,800.00	9,960.02	14.69	13.27	-8.56	210.30	225.76	738.82	700.72	38.10	19.389	
10,875.00	10,684.42	9,813.92	9,962.65	14.71	13.28	-8.50	223.97	225.68	741.17	702.97	38.21	19.399	
10,900.00	10,690.12	9,825.00	9,964.46	14.74	13.28	-8.47	234.90	225.61	742.77	704.45	38.32	19.384	
10,925.00	10,694.54	9,833.59	9,965.69	14.76	13.29	-8.45	243.40	225.55	743.57	705.14	38.44	19.345	
10,950.00	10,697.66	9,850.00	9,967.61	14.79	13.30	-8.45	259.70	225.45	743.67	705.16	38.51	19.311	
10,975.00	10,699.48	9,850.00	9,967.61	14.82	13.30	-8.46	259.70	225.45	742.86	704.20	38.65	19.219	
10,997.32	10,700.01	9,862.04	9,968.66	14.84	13.31	-8.50	271.70	225.38	741.49	702.78	38.72	19.152	
11,000.00	10,700.01	9,863.10	9,968.74	14.85	13.31	-8.50	272.75	225.37	741.30	702.57	38.72	19.143	
11,100.00	10,700.01	9,909.83	9,970.01	14.99	13.36	-8.51	319.45	225.08	738.13	699.14	38.99	18.931	
11,200.00	10,700.01	10,009.83	9,970.01	15.18	13.49	-8.51	419.45	224.45	738.12	699.00	39.12	18.869	
11,300.00	10,700.01	10,109.83	9,970.01	15.41	13.69	-8.50	519.44	223.82	738.12	698.85	39.27	18.798	
11,400.00	10,700.01	10,209.83	9,970.01	15.69	13.96	-8.50	619.44	223.19	738.11	698.67	39.44	18.717	
11,500.00	10,700.01	10,309.83	9,970.01	16.02	14.28	-8.50	719.44	222.56	738.11	698.48	39.63	18.626	
11,600.00	10,700.01	10,409.83	9,970.01	16.39	14.66	-8.50	819.44	221.93	738.10	698.26	39.84	18.527	
11,700.00	10,700.01	10,509.83	9,970.01	16.81	15.09	-8.49	919.44	221.31	738.10	698.02	40.07	18.420	
11,800.00	10,700.01	10,609.83	9,970.01	17.26	15.56	-8.49	1,019.43	220.68	738.09	697.77	40.32	18.304	
11,900.00	10,700.01	10,709.83	9,970.01	17.75	16.06	-8.49	1,119.43	220.05	738.08	697.49	40.59	18.182	
12,000.00	10,700.01	10,809.83	9,970.01	18.27	16.60	-8.49	1,219.43	219.42	738.08	697.19	40.89	18.053	
12,100.00	10,700.01	10,909.83	9,970.01	18.81	17.16	-8.48	1,319.43	218.79	738.07	696.88	41.19	17.917	
12,200.00	10,700.01	11,009.83	9,970.01	19.38	17.75	-8.48	1,419.43	218.16	738.07	696.55	41.52	17.775	
12,300.00	10,700.01	11,109.83	9,970.01	19.98	18.37	-8.48	1,519.42	217.54	738.06	696.20	41.87	17.629	
12,400.00	10,700.01	11,209.83	9,970.01	20.59	19.00	-8.47	1,619.42	216.91	738.06	695.83	42.23	17.477	
12,500.00	10,700.01	11,309.83	9,970.01	21.22	19.65	-8.47	1,719.42	216.28	738.05	695.44	42.61	17.321	
12,600.00	10,700.01	11,409.83	9,970.01	21.87	20.31	-8.47	1,819.42	215.65	738.05	695.04	43.01	17.161	
12,700.00	10,700.01	11,509.83	9,970.01	22.54	20.99	-8.47	1,919.42	215.02	738.04	694.62	43.42	16.998	
12,800.00	10,700.01	11,609.83	9,970.01	23.21	21.69	-8.46	2,019.41	214.39	738.04	694.19	43.85	16.832	
12,900.00	10,700.01	11,709.83	9,970.01	23.90	22.39	-8.46	2,119.41	213.77	738.03	693.74	44.29	16.663	
13,000.00	10,700.01	11,809.83	9,970.01	24.60	23.11	-8.46	2,219.41	213.14	738.03	693.28	44.75	16.493	
13,100.00	10,700.01	11,909.83	9,970.01	25.31	23.84	-8.46	2,319.41	212.51	738.02	692.80	45.22	16.320	
13,200.00	10,700.01	12,009.83	9,970.01	26.03	24.57	-8.45	2,419.41	211.88	738.02	692.31	45.71	16.147	
13,300.00	10,700.01	12,109.83	9,970.01	26.76	25.31	-8.45	2,519.40	211.25	738.01	691.81	46.21	15.972	
13,400.00	10,700.01	12,209.83	9,970.01	27.50	26.06	-8.45	2,619.40	210.62	738.01	691.29	46.72	15.797	
13,500.00	10,700.01	12,309.83	9,970.01	28.24	26.82	-8.45	2,719.40	210.00	738.00	690.76	47.24	15.621	
13,600.00	10,700.01	12,409.83	9,970.01	28.99	27.58	-8.44	2,819.40	209.37	738.00	690.22	47.78	15.446	
13,700.00	10,700.01	12,509.83	9,970.01	29.75	28.35	-8.44	2,919.40	208.74	737.99	689.66	48.33	15.270	
13,800.00	10,700.01	12,609.83	9,970.01	30.51	29.13	-8.44	3,019.39	208.11	737.99	689.10	48.89	15.095	
13,900.00	10,700.01	12,709.83	9,970.01	31.28	29.91	-8.43	3,119.39	207.48	737.98	688.52	49.46	14.921	
14,000.00	10,700.01	12,809.83	9,970.01	32.05	30.69	-8.43	3,219.39	206.85	737.98	687.94	50.04	14.748	
14,100.00	10,700.01	12,909.83	9,970.01	32.83	31.48	-8.43	3,319.39	206.23	737.97	687.34	50.63	14.575	
14,200.00	10,700.01	13,009.83	9,970.01	33.61	32.27	-8.43	3,419.39	205.60	737.97	686.73	51.23	14.404	
14,300.00	10,700.01	13,109.83	9,970.01	34.40	33.07	-8.42	3,519.38	204.97	737.96	686.12	51.84	14.235	
14,400.00	10,700.01	13,209.83	9,970.01	35.18	33.86	-8.42	3,619.38	204.34	737.96	685.50	52.46	14.067	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: DOLLY PURTON FEDERAL COM PROJECT - _DOLLY PURRTON FEDERAL COM 301H - OWB - PWP0

Offset Site Error: 0.00 usft

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

Rule Assigned:

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
14,434.00	10,700.01	13,243.83	9,970.01	35.45	34.13	-8.42	3,653.38	204.13	737.95	685.28	52.67	14.010	
14,500.00	10,700.01	13,307.46	9,970.01	35.98	34.64	-8.47	3,717.00	203.04	738.06	684.94	53.12	13.895	
14,600.00	10,700.01	13,403.67	9,970.01	36.77	35.43	-8.75	3,813.11	198.72	738.63	684.81	53.82	13.725	
14,700.00	10,700.01	13,500.00	9,970.01	37.57	36.22	-9.28	3,909.14	191.16	739.76	685.21	54.55	13.560	
14,800.00	10,700.01	13,594.83	9,970.01	38.37	37.01	-10.04	4,003.37	180.58	741.53	686.18	55.35	13.398	
14,900.00	10,700.01	13,689.35	9,970.01	39.18	37.79	-11.03	4,096.90	166.92	744.08	687.88	56.20	13.240	
15,000.00	10,700.01	13,782.91	9,970.01	39.98	38.56	-12.23	4,188.98	150.38	747.56	690.43	57.13	13.085	
15,100.00	10,700.01	13,875.33	9,970.01	40.79	39.32	-13.62	4,279.36	131.09	752.18	694.03	58.15	12.935	
15,200.00	10,700.01	13,966.43	9,970.01	41.60	40.06	-15.19	4,367.80	109.24	758.14	698.88	59.27	12.792	
15,300.00	10,700.01	14,056.07	9,970.01	42.41	40.80	-16.91	4,454.09	85.00	765.69	705.20	60.49	12.658	
15,400.00	10,700.01	14,144.11	9,970.01	43.23	41.52	-18.75	4,538.07	58.58	775.07	713.25	61.82	12.538	
15,500.00	10,700.01	14,230.43	9,970.01	44.05	42.22	-20.68	4,619.58	30.18	786.50	723.25	63.25	12.435	
15,600.00	10,700.01	14,314.93	9,970.01	44.86	42.90	-22.69	4,698.50	0.01	800.22	735.46	64.76	12.356	
15,700.00	10,700.01	14,400.00	9,970.01	45.68	43.58	-24.81	4,777.04	-32.69	816.44	750.06	66.38	12.300	
15,800.00	10,700.01	14,478.13	9,970.01	46.51	44.20	-26.82	4,848.27	-64.78	835.32	767.34	67.98	12.288	
15,900.00	10,700.01	14,556.72	9,970.01	47.33	44.83	-28.89	4,919.02	-98.99	857.01	787.39	69.62	12.310	
16,000.00	10,700.01	14,633.24	9,970.01	48.15	45.43	-30.93	4,986.97	-134.16	881.63	810.38	71.25	12.373	
16,100.00	10,700.01	14,700.00	9,970.01	48.98	45.96	-32.73	5,045.48	-166.32	909.28	836.62	72.66	12.514	
16,200.00	10,700.01	14,779.99	9,970.01	49.81	46.58	-34.89	5,114.56	-206.63	939.87	865.49	74.38	12.636	
16,300.00	10,700.01	14,850.21	9,970.01	50.63	47.12	-36.78	5,174.27	-243.60	973.52	897.68	75.84	12.837	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: DOLLY PURTON FEDERAL COM PROJECT - _DOLLY PURRTON FEDERAL COM 401H - OWB - PWP0 — **Offset Site Error:** 0.00 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 9676-r.5 MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.00	0.00	60.00				
100.00	100.00	100.00	100.00	0.79	0.79	0.00	60.00	0.00	60.00	57.96	2.04	29.386	
200.00	200.00	200.00	200.00	1.45	1.45	0.00	60.00	0.00	60.00	56.66	3.34	17.969	
300.00	300.00	300.00	300.00	1.89	1.89	0.00	60.00	0.00	60.00	55.78	4.22	14.230	
400.00	400.00	400.00	400.00	2.26	2.26	0.00	60.00	0.00	60.00	55.07	4.93	12.171	
500.00	500.00	500.00	500.00	2.57	2.57	0.00	60.00	0.00	60.00	54.45	5.55	10.813	
600.00	600.00	600.00	600.00	2.85	2.85	0.00	60.00	0.00	60.00	53.90	6.10	9.829	
700.00	700.00	700.00	700.00	3.11	3.11	0.00	60.00	0.00	60.00	53.39	6.61	9.071	
800.00	800.00	800.00	800.00	3.35	3.35	0.00	60.00	0.00	60.00	52.91	7.09	8.464	
900.00	900.00	900.00	900.00	3.58	3.58	0.00	60.00	0.00	60.00	52.46	7.54	7.963	
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	0.00	60.00	0.00	60.00	52.04	7.96	7.539	
1,100.00	1,100.00	1,100.00	1,100.00	4.00	4.00	0.00	60.00	0.00	60.00	51.64	8.36	7.175	
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	0.00	60.00	0.00	60.00	51.25	8.75	6.858	
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	0.00	60.00	0.00	60.00	50.88	9.12	6.577	
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	0.00	60.00	0.00	60.00	50.52	9.48	6.327	
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	0.00	60.00	0.00	60.00	50.17	9.83	6.103	
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	0.00	60.00	0.00	60.00	49.83	10.17	5.899	
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	0.00	60.00	0.00	60.00	49.50	10.50	5.713	
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	0.00	60.00	0.00	60.00	49.18	10.82	5.543	
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	0.00	60.00	0.00	60.00	48.86	11.14	5.386	
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	0.00	60.00	0.00	60.00	48.55	11.45	5.241	CC, ES
2,100.00	2,099.98	2,100.41	2,100.39	5.78	5.79	-130.47	59.57	-1.70	60.72	48.96	11.76	5.164	SF
2,200.00	2,199.84	2,200.23	2,200.07	5.98	5.99	-138.63	58.30	-6.78	63.75	51.70	12.05	5.290	
2,300.00	2,299.45	2,298.87	2,298.33	6.18	6.20	-150.10	56.21	-15.11	71.32	58.94	12.39	5.759	
2,349.95	2,349.08	2,347.53	2,346.68	6.21	6.29	-156.12	54.88	-20.42	77.52	65.01	12.51	6.199	
2,400.00	2,398.76	2,395.88	2,394.62	6.24	6.39	-161.87	53.36	-26.49	85.19	72.56	12.62	6.748	
2,500.00	2,498.01	2,491.40	2,489.00	6.36	6.59	-171.73	49.77	-40.78	103.73	90.80	12.92	8.028	
2,600.00	2,597.27	2,585.34	2,581.28	6.48	6.78	-179.61	45.50	-57.80	126.39	113.18	13.21	9.569	
2,700.00	2,696.52	2,677.54	2,671.25	6.61	6.96	174.14	40.60	-77.35	152.92	139.43	13.48	11.340	
2,800.00	2,795.78	2,767.87	2,758.71	6.74	7.14	169.16	35.11	-99.22	183.04	169.29	13.75	13.312	
2,900.00	2,895.03	2,856.19	2,843.50	6.87	7.28	165.14	29.10	-123.18	216.52	202.55	13.96	15.505	
3,000.00	2,994.29	2,947.93	2,931.07	7.00	7.38	161.80	22.45	-149.71	252.28	238.08	14.20	17.769	
3,100.00	3,093.54	3,040.41	3,019.33	7.14	7.51	159.27	15.73	-176.48	288.65	274.18	14.47	19.948	
3,200.00	3,192.80	3,132.88	3,107.59	7.28	7.64	157.29	9.02	-203.25	325.41	310.66	14.75	22.066	
3,300.00	3,292.05	3,225.36	3,195.85	7.42	7.78	155.72	2.30	-230.02	362.44	347.41	15.03	24.115	
3,400.00	3,391.31	3,317.83	3,284.11	7.57	7.92	154.43	-4.41	-256.79	399.65	384.34	15.32	26.093	
3,500.00	3,490.56	3,410.31	3,372.37	7.71	8.07	153.37	-11.13	-283.56	437.02	421.41	15.61	27.998	
3,600.00	3,589.82	3,502.78	3,460.63	7.86	8.22	152.47	-17.84	-310.33	474.49	458.59	15.91	29.830	
3,700.00	3,689.07	3,595.25	3,548.89	8.01	8.37	151.70	-24.56	-337.10	512.06	495.85	16.21	31.590	
3,800.00	3,788.32	3,687.73	3,637.15	8.16	8.52	151.04	-31.27	-363.87	549.69	533.17	16.52	33.281	
3,900.00	3,887.58	3,780.20	3,725.41	8.31	8.68	150.46	-37.98	-390.64	587.37	570.54	16.83	34.905	
4,000.00	3,986.83	3,872.68	3,813.67	8.47	8.84	149.95	-44.70	-417.41	625.10	607.96	17.14	36.464	
4,100.00	4,086.09	3,965.15	3,901.93	8.62	9.01	149.50	-51.41	-444.18	662.87	645.41	17.46	37.959	
4,200.00	4,185.34	4,057.63	3,990.19	8.78	9.18	149.10	-58.13	-470.95	700.67	682.88	17.79	39.395	
4,300.00	4,284.60	4,150.10	4,078.45	8.94	9.35	148.73	-64.84	-497.71	738.49	720.38	18.11	40.773	
4,400.00	4,383.85	4,242.57	4,166.71	9.10	9.52	148.41	-71.56	-524.48	776.34	757.90	18.44	42.095	
4,500.00	4,483.11	4,335.05	4,254.97	9.26	9.70	148.11	-78.27	-551.25	814.21	795.44	18.78	43.364	
4,600.00	4,582.36	4,427.52	4,343.23	9.42	9.88	147.84	-84.99	-578.02	852.10	832.99	19.11	44.585	
4,700.00	4,681.62	4,520.00	4,431.49	9.58	10.06	147.60	-91.70	-604.79	890.00	870.55	19.45	45.756	
4,800.00	4,780.87	4,612.47	4,519.75	9.75	10.25	147.37	-98.42	-631.56	927.91	908.12	19.79	46.880	
4,900.00	4,880.13	4,704.95	4,608.01	9.91	10.44	147.16	-105.13	-658.33	965.84	945.70	20.14	47.961	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: DOLLY PURTON FEDERAL COM PROJECT - _DOLLY PURRTON FEDERAL COM 401H - OWB - PWP0

Offset Site Error: 0.00 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 9676-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: DOLLY PURTON FEDERAL COM PROJECT - _DOLLY PURRTON FEDERAL COM 402H - OWB - PWP0 — **Offset Site Error:** 0.00 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.00	0.00	0.00	360.00	0.00	0.00	0.00	20.00	0.00	360.56				
100.00	100.00	0.00	360.00	0.79	0.00	0.00	20.00	0.00	260.77	257.09	3.68	70.892	
200.00	200.00	0.00	360.00	1.45	0.00	0.00	20.00	0.00	161.25	157.56	3.68	43.780	
300.00	300.00	0.00	360.00	1.89	0.00	0.00	20.00	0.00	63.25	59.58	3.66	17.268	
400.00	400.00	40.00	400.00	2.26	0.32	0.00	20.00	0.00	20.00	16.34	3.66	5.469	
500.00	500.00	140.00	500.00	2.57	1.06	0.00	20.00	0.00	20.00	15.65	4.35	4.593	
600.00	600.00	240.00	600.00	2.85	1.63	0.00	20.00	0.00	20.00	14.94	5.06	3.953	
700.00	700.00	340.00	700.00	3.11	2.04	0.00	20.00	0.00	20.00	14.33	5.67	3.529	
800.00	800.00	440.00	800.00	3.35	2.38	0.00	20.00	0.00	20.00	13.79	6.21	3.219	
900.00	900.00	540.00	900.00	3.58	2.68	0.00	20.00	0.00	20.00	13.28	6.72	2.978	Normal Operations
1,000.00	1,000.00	640.00	1,000.00	3.79	2.95	0.00	20.00	0.00	20.00	12.82	7.18	2.784	Normal Operations
1,100.00	1,100.00	740.00	1,100.00	4.00	3.21	0.00	20.00	0.00	20.00	12.37	7.63	2.623	Normal Operations
1,200.00	1,200.00	840.00	1,200.00	4.19	3.44	0.00	20.00	0.00	20.00	11.96	8.04	2.486	Caution - Monitor Closely
1,300.00	1,300.00	940.00	1,300.00	4.38	3.66	0.00	20.00	0.00	20.00	11.55	8.45	2.368	Caution - Monitor Closely
1,400.00	1,400.00	1,040.00	1,400.00	4.56	3.87	0.00	20.00	0.00	20.00	11.17	8.83	2.265	Caution - Monitor Closely
1,500.00	1,500.00	1,140.00	1,500.00	4.74	4.07	0.00	20.00	0.00	20.00	10.80	9.20	2.174	Caution - Monitor Closely
1,600.00	1,600.00	1,240.00	1,600.00	4.91	4.27	0.00	20.00	0.00	20.00	10.44	9.56	2.093	Caution - Monitor Closely
1,700.00	1,700.00	1,340.00	1,700.00	5.08	4.45	0.00	20.00	0.00	20.00	10.10	9.90	2.019	Caution - Monitor Closely
1,800.00	1,800.00	1,440.00	1,800.00	5.24	4.63	0.00	20.00	0.00	20.00	9.76	10.24	1.953	Caution - Monitor Closely
1,900.00	1,900.00	1,540.00	1,900.00	5.40	4.81	0.00	20.00	0.00	20.00	9.43	10.57	1.892	Caution - Monitor Closely
2,000.00	2,000.00	1,640.00	2,000.00	5.56	4.98	0.00	20.00	0.00	20.00	9.11	10.89	1.836	Caution - Monitor Closely, CC, ES, SF
2,100.00	2,099.98	1,739.98	2,099.98	5.78	5.15	-131.30	20.00	0.00	21.11	9.88	11.23	1.881	Caution - Monitor Closely
2,200.00	2,199.84	1,839.84	2,199.84	5.98	5.31	-140.34	20.00	0.00	24.88	13.31	11.56	2.151	Caution - Monitor Closely
2,300.00	2,299.45	1,939.45	2,299.45	6.18	5.47	-150.24	20.00	0.00	32.08	20.15	11.92	2.690	Normal Operations
2,349.95	2,349.08	1,989.08	2,349.08	6.21	5.54	-154.53	20.00	0.00	37.10	25.05	12.04	3.080	
2,400.00	2,398.76	2,039.32	2,399.32	6.24	5.64	-158.00	19.81	0.19	42.43	30.27	12.17	3.487	
2,500.00	2,498.01	2,140.52	2,500.47	6.36	5.86	-162.34	17.55	2.43	50.86	38.35	12.50	4.068	
2,600.00	2,597.27	2,242.24	2,601.96	6.48	6.01	-164.99	12.73	7.21	55.97	43.22	12.76	4.388	
2,700.00	2,696.52	2,342.45	2,701.76	6.61	6.08	-166.96	6.41	13.48	58.98	46.02	12.96	4.551	
2,800.00	2,795.78	2,442.38	2,801.30	6.74	6.20	-168.74	0.08	19.76	62.01	48.80	13.21	4.694	
2,900.00	2,895.03	2,542.32	2,900.84	6.87	6.32	-170.34	-6.26	26.04	65.10	51.63	13.47	4.834	
3,000.00	2,994.29	2,642.26	3,000.38	7.00	6.44	-171.80	-12.59	32.33	68.23	54.51	13.73	4.971	
3,100.00	3,093.54	2,742.19	3,099.91	7.14	6.57	-173.13	-18.92	38.61	71.41	57.42	13.99	5.104	
3,200.00	3,192.80	2,842.13	3,199.45	7.28	6.70	-174.35	-25.25	44.89	74.61	60.36	14.26	5.234	
3,300.00	3,292.05	2,942.07	3,298.99	7.42	6.82	-175.47	-31.58	51.17	77.85	63.33	14.53	5.359	
3,400.00	3,391.31	3,042.00	3,398.53	7.57	6.96	-176.49	-37.91	57.45	81.12	66.32	14.80	5.480	
3,500.00	3,490.56	3,141.94	3,498.06	7.71	7.09	-177.44	-44.25	63.73	84.41	69.33	15.08	5.597	
3,600.00	3,589.82	3,241.88	3,597.60	7.86	7.23	-178.31	-50.58	70.01	87.73	72.36	15.36	5.710	
3,700.00	3,689.07	3,341.81	3,697.14	8.01	7.36	-179.13	-56.91	76.29	91.06	75.41	15.65	5.819	
3,800.00	3,788.32	3,441.75	3,796.68	8.16	7.50	-179.88	-63.24	82.57	94.40	78.47	15.93	5.925	
3,900.00	3,887.58	3,541.69	3,896.21	8.31	7.64	179.42	-69.57	88.85	97.77	81.54	16.22	6.026	
4,000.00	3,986.83	3,641.62	3,995.75	8.47	7.78	178.76	-75.90	95.13	101.15	84.63	16.52	6.124	
4,100.00	4,086.09	3,741.56	4,095.29	8.62	7.93	178.15	-82.24	101.41	104.54	87.72	16.81	6.218	
4,200.00	4,185.34	3,841.49	4,194.83	8.78	8.07	177.57	-88.57	107.69	107.94	90.83	17.11	6.309	
4,300.00	4,284.60	3,941.43	4,294.37	8.94	8.22	177.03	-94.90	113.98	111.35	93.94	17.41	6.396	
4,400.00	4,383.85	4,041.37	4,393.90	9.10	8.36	176.53	-101.23	120.26	114.77	97.06	17.71	6.480	
4,500.00	4,483.11	4,141.30	4,493.44	9.26	8.51	176.05	-107.56	126.54	118.20	100.18	18.01	6.562	
4,600.00	4,582.36	4,241.24	4,592.98	9.42	8.66	175.60	-113.89	132.82	121.63	103.31	18.32	6.640	
4,700.00	4,681.62	4,341.18	4,692.52	9.58	8.81	175.17	-120.23	139.10	125.08	106.45	18.63	6.715	
4,800.00	4,780.87	4,441.11	4,792.05	9.75	8.96	174.77	-126.56	145.38	128.53	109.59	18.93	6.788	
4,900.00	4,880.13	4,541.05	4,891.59	9.91	9.12	174.39	-132.89	151.66	131.98	112.74	19.24	6.859	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: DOLLY PURTON FEDERAL COM PROJECT - _DOLLY PURRTON FEDERAL COM 402H - OWB - PWP0

Offset Site Error: 0.00 usft

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

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,000.00	4,979.38	4,640.99	4,991.13	10.08	9.27	174.02	-139.22	157.94	135.44	115.89	19.55	6.926	
5,100.00	5,078.64	4,740.92	5,090.67	10.24	9.42	173.68	-145.55	164.22	138.91	119.04	19.87	6.992	
5,200.00	5,177.89	4,840.86	5,190.21	10.41	9.58	173.35	-151.88	170.50	142.38	122.20	20.18	7.055	
5,300.00	5,277.15	4,940.80	5,289.74	10.58	9.73	173.04	-158.22	176.78	145.86	125.36	20.50	7.116	
5,324.87	5,301.83	4,965.65	5,314.50	10.61	9.77	172.96	-159.79	178.34	146.72	126.16	20.56	7.136	
5,400.00	5,376.46	5,040.75	5,389.30	10.72	9.89	172.72	-164.55	183.06	148.85	128.07	20.78	7.162	
5,500.00	5,475.96	5,140.73	5,488.88	10.89	10.04	172.33	-170.88	189.35	150.17	129.08	21.10	7.118	
5,600.00	5,575.61	5,240.72	5,588.47	11.05	10.20	171.85	-177.22	195.63	149.77	128.37	21.40	6.998	
5,700.00	5,675.40	5,340.69	5,688.04	11.20	10.36	171.26	-183.55	201.91	147.66	125.95	21.70	6.804	
5,800.00	5,775.28	5,440.60	5,787.55	11.35	10.52	170.54	-189.88	208.19	143.84	121.84	21.99	6.540	
5,900.00	5,875.23	5,539.56	5,886.12	11.49	10.68	169.67	-196.06	214.33	138.44	116.17	22.27	6.217	
6,000.00	5,975.22	5,637.18	5,983.47	11.62	10.83	168.79	-201.21	219.43	132.68	110.16	22.52	5.891	
6,024.78	6,000.00	5,661.38	6,007.63	11.63	10.86	-63.87	-202.30	220.51	131.24	108.68	22.56	5.817	
6,100.00	6,075.22	5,734.92	6,081.06	11.66	10.97	-64.47	-205.18	223.37	127.33	104.65	22.68	5.614	
6,200.00	6,175.22	5,832.83	6,178.89	11.72	11.11	-65.08	-207.97	226.13	123.56	100.71	22.85	5.407	
6,300.00	6,275.22	5,930.84	6,276.87	11.78	11.24	-65.45	-209.57	227.73	121.40	98.38	23.02	5.274	
6,400.00	6,375.22	6,029.20	6,375.22	11.85	11.34	-65.55	-210.00	228.15	120.83	97.66	23.16	5.217	
6,500.00	6,475.22	6,129.20	6,475.22	11.91	11.41	-65.55	-210.00	228.15	120.83	97.54	23.29	5.188	
6,600.00	6,575.22	6,229.20	6,575.22	11.97	11.47	-65.55	-210.00	228.15	120.83	97.42	23.41	5.162	
6,700.00	6,675.22	6,329.20	6,675.22	12.03	11.53	-65.55	-210.00	228.15	120.83	97.30	23.53	5.135	
6,800.00	6,775.22	6,429.20	6,775.22	12.09	11.59	-65.55	-210.00	228.15	120.83	97.18	23.65	5.109	
6,900.00	6,875.22	6,529.20	6,875.22	12.16	11.65	-65.55	-210.00	228.15	120.83	97.06	23.77	5.083	
7,000.00	6,975.22	6,629.20	6,975.22	12.22	11.71	-65.55	-210.00	228.15	120.83	96.93	23.89	5.057	
7,100.00	7,075.22	6,729.20	7,075.22	12.28	11.78	-65.55	-210.00	228.15	120.83	96.81	24.01	5.032	
7,200.00	7,175.22	6,829.20	7,175.22	12.35	11.84	-65.55	-210.00	228.15	120.83	96.69	24.14	5.006	
7,300.00	7,275.22	6,929.20	7,275.22	12.41	11.90	-65.55	-210.00	228.15	120.83	96.57	24.26	4.981	
7,400.00	7,375.22	7,029.20	7,375.22	12.47	11.96	-65.55	-210.00	228.15	120.83	96.44	24.38	4.955	
7,500.00	7,475.22	7,129.20	7,475.22	12.54	12.02	-65.55	-210.00	228.15	120.83	96.32	24.51	4.930	
7,600.00	7,575.22	7,229.20	7,575.22	12.60	12.09	-65.55	-210.00	228.15	120.83	96.19	24.63	4.905	
7,700.00	7,675.22	7,329.20	7,675.22	12.67	12.15	-65.55	-210.00	228.15	120.83	96.07	24.76	4.881	
7,800.00	7,775.22	7,429.20	7,775.22	12.73	12.21	-65.55	-210.00	228.15	120.83	95.94	24.88	4.856	
7,900.00	7,875.22	7,529.20	7,875.22	12.80	12.28	-65.55	-210.00	228.15	120.83	95.82	25.01	4.831	
8,000.00	7,975.22	7,629.20	7,975.22	12.86	12.34	-65.55	-210.00	228.15	120.83	95.69	25.13	4.807	
8,100.00	8,075.22	7,729.20	8,075.22	12.93	12.40	-65.55	-210.00	228.15	120.83	95.56	25.26	4.783	
8,200.00	8,175.22	7,829.20	8,175.22	12.99	12.47	-65.55	-210.00	228.15	120.83	95.44	25.39	4.759	
8,300.00	8,275.22	7,929.20	8,275.22	13.06	12.53	-65.55	-210.00	228.15	120.83	95.31	25.51	4.735	
8,400.00	8,375.22	8,029.20	8,375.22	13.12	12.60	-65.55	-210.00	228.15	120.83	95.18	25.64	4.712	
8,500.00	8,475.22	8,129.20	8,475.22	13.19	12.66	-65.55	-210.00	228.15	120.83	95.05	25.77	4.688	
8,600.00	8,575.22	8,229.20	8,575.22	13.25	12.73	-65.55	-210.00	228.15	120.83	94.93	25.90	4.665	
8,700.00	8,675.22	8,329.20	8,675.22	13.32	12.79	-65.55	-210.00	228.15	120.83	94.80	26.03	4.642	
8,800.00	8,775.22	8,429.20	8,775.22	13.39	12.86	-65.55	-210.00	228.15	120.83	94.67	26.16	4.619	
8,900.00	8,875.22	8,529.20	8,875.22	13.45	12.92	-65.55	-210.00	228.15	120.83	94.54	26.29	4.596	
9,000.00	8,975.22	8,629.20	8,975.22	13.52	12.99	-65.55	-210.00	228.15	120.83	94.41	26.42	4.574	
9,100.00	9,075.22	8,729.20	9,075.22	13.59	13.05	-65.55	-210.00	228.15	120.83	94.28	26.55	4.551	
9,200.00	9,175.22	8,829.20	9,175.22	13.66	13.12	-65.55	-210.00	228.15	120.83	94.15	26.68	4.529	
9,300.00	9,275.22	8,929.20	9,275.22	13.72	13.19	-65.55	-210.00	228.15	120.83	94.02	26.81	4.507	
9,400.00	9,375.22	9,029.20	9,375.22	13.79	13.25	-65.55	-210.00	228.15	120.83	93.89	26.94	4.485	
9,500.00	9,475.22	9,129.20	9,475.22	13.86	13.32	-65.55	-210.00	228.15	120.83	93.75	27.07	4.463	
9,600.00	9,575.22	9,229.20	9,575.22	13.93	13.38	-65.55	-210.00	228.15	120.83	93.62	27.20	4.441	
9,700.00	9,675.22	9,329.20	9,675.22	13.99	13.45	-65.55	-210.00	228.15	120.83	93.49	27.34	4.420	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: DOLLY PURTON FEDERAL COM PROJECT - _DOLLY PURRTON FEDERAL COM 402H - OWB - PWP0

Offset Site Error: 0.00 usft

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

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
9,800.00	9,775.22	9,429.20	9,775.22	14.06	13.52	-65.55	-210.00	228.15	120.83	93.36	27.47	4.399	
9,810.00	9,785.22	9,439.20	9,785.22	14.07	13.52	-65.55	-210.00	228.15	120.83	93.35	27.48	4.397	
9,900.00	9,875.22	9,525.00	9,870.99	14.13	13.55	-64.89	-208.45	228.14	121.56	93.96	27.60	4.404	
10,000.00	9,975.22	9,612.49	9,957.06	14.20	13.54	-58.86	-193.48	228.04	129.92	101.94	27.98	4.644	
10,100.00	10,075.22	9,692.15	10,031.88	14.27	13.52	-49.68	-166.40	227.86	151.00	122.20	28.81	5.242	
10,200.00	10,175.22	9,761.30	10,092.41	14.34	13.50	-41.05	-133.09	227.64	187.55	157.44	30.12	6.228	
10,247.32	10,222.54	9,790.19	10,116.15	14.35	13.49	-37.65	-116.64	227.53	210.01	179.20	30.81	6.816	
10,250.00	10,225.22	9,791.76	10,117.41	14.35	13.49	-36.98	-115.71	227.53	211.37	180.67	30.70	6.885	
10,275.00	10,250.21	9,806.33	10,128.97	14.37	13.49	-34.45	-106.84	227.47	223.96	192.89	31.07	7.207	
10,300.00	10,275.12	9,820.81	10,140.18	14.38	13.48	-32.22	-97.68	227.41	236.39	204.95	31.44	7.518	
10,325.00	10,299.88	9,835.21	10,151.06	14.38	13.48	-30.24	-88.23	227.34	248.58	216.77	31.81	7.814	
10,350.00	10,324.43	9,850.00	10,161.92	14.39	13.48	-28.46	-78.20	227.28	260.50	228.33	32.16	8.099	
10,375.00	10,348.71	9,863.81	10,171.78	14.40	13.48	-26.94	-68.53	227.21	272.09	239.54	32.55	8.359	
10,400.00	10,372.63	9,875.00	10,179.56	14.41	13.47	-25.70	-60.49	227.16	283.36	250.33	33.03	8.579	
10,425.00	10,396.15	9,892.17	10,191.13	14.41	13.47	-24.34	-47.80	227.08	294.19	260.91	33.29	8.838	
10,450.00	10,419.19	9,906.27	10,200.28	14.42	13.47	-23.24	-37.07	227.01	304.65	271.00	33.65	9.054	
10,475.00	10,441.69	9,925.00	10,211.94	14.43	13.47	-22.11	-22.42	226.91	314.73	280.88	33.85	9.297	
10,500.00	10,463.59	9,934.35	10,217.54	14.45	13.47	-21.39	-14.94	226.86	324.25	289.89	34.36	9.437	
10,525.00	10,484.83	9,950.00	10,226.59	14.46	13.47	-20.56	-2.16	226.77	333.38	298.72	34.65	9.620	
10,550.00	10,505.35	9,962.27	10,233.39	14.47	13.47	-19.90	8.05	226.71	342.01	306.97	35.04	9.760	
10,575.00	10,525.10	9,975.00	10,240.16	14.48	13.47	-19.30	18.83	226.64	350.16	314.76	35.41	9.890	
10,600.00	10,544.01	9,990.06	10,247.80	14.50	13.47	-18.71	31.81	226.55	357.81	322.11	35.69	10.024	
10,625.00	10,562.05	10,000.00	10,252.61	14.51	13.47	-18.27	40.50	226.49	364.98	328.88	36.10	10.109	
10,650.00	10,579.15	10,017.75	10,260.76	14.53	13.48	-17.77	56.27	226.39	371.56	335.25	36.31	10.234	
10,675.00	10,595.28	10,031.56	10,266.69	14.55	13.48	-17.37	68.74	226.30	377.65	341.05	36.60	10.319	
10,700.00	10,610.39	10,050.00	10,274.04	14.57	13.48	-16.98	85.65	226.19	383.25	346.48	36.78	10.421	
10,725.00	10,624.43	10,059.13	10,277.43	14.58	13.49	-16.72	94.13	226.14	388.21	351.07	37.14	10.452	
10,750.00	10,637.37	10,075.00	10,282.95	14.60	13.49	-16.44	109.01	226.04	392.68	355.33	37.36	10.512	
10,775.00	10,649.18	10,086.64	10,286.68	14.62	13.50	-16.23	120.03	225.97	396.58	358.95	37.64	10.538	
10,800.00	10,659.81	10,100.00	10,290.62	14.65	13.50	-16.04	132.80	225.88	399.94	362.07	37.87	10.561	
10,825.00	10,669.25	10,114.11	10,294.40	14.67	13.51	-15.88	146.39	225.79	402.73	364.65	38.07	10.578	
10,850.00	10,677.46	10,125.00	10,297.04	14.69	13.51	-15.77	156.95	225.72	404.97	366.66	38.31	10.571	
10,875.00	10,684.42	10,141.54	10,300.59	14.71	13.52	-15.67	173.11	225.61	406.62	368.17	38.45	10.575	
10,900.00	10,690.12	10,150.00	10,302.19	14.74	13.53	-15.62	181.42	225.56	407.77	369.10	38.68	10.543	
10,925.00	10,694.54	10,168.97	10,305.23	14.76	13.54	-15.58	200.13	225.43	408.24	369.47	38.77	10.530	
10,950.00	10,697.66	10,182.67	10,306.97	14.79	13.55	-15.58	213.73	225.34	408.19	369.29	38.90	10.493	
10,975.00	10,699.48	10,200.00	10,308.61	14.82	13.56	-15.62	230.98	225.23	407.61	368.62	38.99	10.454	
10,997.32	10,700.01	10,208.62	10,309.19	14.84	13.57	-15.67	239.58	225.17	406.55	367.44	39.11	10.396	
11,000.00	10,700.01	10,210.10	10,309.27	14.85	13.57	-15.68	241.05	225.16	406.40	367.29	39.12	10.389	
11,064.18	10,700.01	10,252.64	10,310.01	14.94	13.61	-15.70	283.58	224.88	405.12	365.83	39.29	10.312	
11,100.00	10,700.01	10,288.47	10,310.01	14.99	13.66	-15.70	319.41	224.64	405.12	365.80	39.33	10.302	
11,200.00	10,700.01	10,388.47	10,310.01	15.18	13.82	-15.70	419.41	223.98	405.12	365.67	39.46	10.267	
11,300.00	10,700.01	10,488.47	10,310.00	15.41	14.05	-15.70	519.40	223.32	405.12	365.51	39.61	10.227	
11,400.00	10,700.01	10,588.47	10,310.00	15.69	14.34	-15.70	619.40	222.66	405.12	365.33	39.79	10.181	
11,500.00	10,700.01	10,688.47	10,310.00	16.02	14.68	-15.70	719.40	221.99	405.12	365.13	40.00	10.129	
11,600.00	10,700.01	10,788.47	10,310.00	16.39	15.08	-15.70	819.40	221.33	405.12	364.90	40.22	10.072	
11,700.00	10,700.01	10,888.47	10,310.00	16.81	15.52	-15.70	919.39	220.67	405.12	364.65	40.47	10.010	
11,800.00	10,700.01	10,988.47	10,310.00	17.26	15.99	-15.70	1,019.39	220.01	405.12	364.38	40.74	9.944	
11,900.00	10,700.01	11,088.47	10,310.00	17.75	16.50	-15.70	1,119.39	219.35	405.12	364.09	41.03	9.873	
12,000.00	10,700.01	11,188.47	10,310.00	18.27	17.04	-15.70	1,219.39	218.68	405.12	363.77	41.35	9.798	
12,100.00	10,700.01	11,288.47	10,310.00	18.81	17.61	-15.70	1,319.39	218.02	405.12	363.44	41.68	9.719	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: DOLLY PURTON FEDERAL COM PROJECT - _DOLLY PURRTON FEDERAL COM 402H - OWB - PWP0

Offset Site Error: 0.00 usft

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

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
12,200.00	10,700.01	11,388.47	10,310.00	19.38	18.20	-15.70	1,419.38	217.36	405.12	363.08	42.04	9.637	
12,300.00	10,700.01	11,488.47	10,310.00	19.98	18.81	-15.70	1,519.38	216.70	405.12	362.71	42.41	9.552	
12,400.00	10,700.01	11,588.47	10,310.00	20.59	19.45	-15.70	1,619.38	216.03	405.12	362.31	42.81	9.464	
12,500.00	10,700.01	11,688.47	10,310.00	21.22	20.10	-15.70	1,719.38	215.37	405.12	361.90	43.22	9.374	
12,600.00	10,700.01	11,788.47	10,310.00	21.87	20.76	-15.70	1,819.37	214.71	405.12	361.47	43.65	9.281	
12,700.00	10,700.01	11,888.47	10,310.00	22.54	21.44	-15.70	1,919.37	214.05	405.12	361.02	44.10	9.187	
12,800.00	10,700.01	11,988.47	10,310.00	23.21	22.13	-15.70	2,019.37	213.38	405.12	360.56	44.56	9.091	
12,900.00	10,700.01	12,088.47	10,310.00	23.90	22.84	-15.70	2,119.37	212.72	405.12	360.07	45.05	8.994	
13,000.00	10,700.01	12,188.47	10,310.00	24.60	23.55	-15.70	2,219.37	212.06	405.12	359.58	45.54	8.895	
13,100.00	10,700.01	12,288.47	10,310.00	25.31	24.28	-15.70	2,319.36	211.40	405.12	359.06	46.06	8.796	
13,200.00	10,700.01	12,388.47	10,310.00	26.03	25.01	-15.70	2,419.36	210.73	405.12	358.53	46.59	8.696	
13,300.00	10,700.01	12,488.47	10,310.00	26.76	25.75	-15.70	2,519.36	210.07	405.12	357.99	47.13	8.596	
13,400.00	10,700.01	12,588.47	10,310.00	27.50	26.50	-15.70	2,619.36	209.41	405.12	357.43	47.69	8.496	
13,500.00	10,700.01	12,688.47	10,310.00	28.24	27.26	-15.70	2,719.36	208.75	405.12	356.86	48.26	8.395	
13,600.00	10,700.01	12,788.47	10,310.00	28.99	28.02	-15.70	2,819.35	208.08	405.12	356.28	48.84	8.295	
13,700.00	10,700.01	12,888.47	10,310.00	29.75	28.79	-15.70	2,919.35	207.42	405.12	355.68	49.44	8.195	
13,800.00	10,700.01	12,988.47	10,310.00	30.51	29.56	-15.70	3,019.35	206.76	405.12	355.07	50.04	8.095	
13,900.00	10,700.01	13,088.47	10,310.00	31.28	30.34	-15.70	3,119.35	206.10	405.12	354.45	50.66	7.996	
14,000.00	10,700.01	13,188.47	10,310.00	32.05	31.12	-15.70	3,219.34	205.43	405.12	353.82	51.29	7.898	
14,100.00	10,700.01	13,288.47	10,310.00	32.83	31.90	-15.70	3,319.34	204.77	405.12	353.18	51.94	7.800	
14,200.00	10,700.01	13,388.47	10,310.00	33.61	32.69	-15.70	3,419.34	204.11	405.12	352.53	52.59	7.704	
14,300.00	10,700.01	13,488.47	10,310.00	34.40	33.49	-15.70	3,519.34	203.45	405.12	351.87	53.25	7.608	
14,400.00	10,700.01	13,588.47	10,310.00	35.18	34.28	-15.70	3,619.34	202.79	405.12	351.19	53.92	7.513	
14,500.00	10,700.01	13,688.47	10,310.00	35.98	35.08	-15.70	3,719.33	202.12	405.12	350.51	54.60	7.419	
14,600.00	10,700.01	13,788.47	10,310.00	36.77	35.89	-15.70	3,819.33	201.46	405.12	349.82	55.29	7.327	
14,700.00	10,700.01	13,888.47	10,310.00	37.57	36.69	-15.70	3,919.33	200.80	405.12	349.12	55.99	7.235	
14,800.00	10,700.01	13,988.47	10,310.00	38.37	37.50	-15.70	4,019.33	200.14	405.12	348.42	56.70	7.145	
14,900.00	10,700.01	14,088.47	10,310.00	39.18	38.31	-15.70	4,119.32	199.47	405.12	347.70	57.41	7.056	
15,000.00	10,700.01	14,188.47	10,310.00	39.98	39.12	-15.70	4,219.32	198.81	405.12	346.98	58.14	6.968	
15,100.00	10,700.01	14,288.47	10,310.00	40.79	39.94	-15.70	4,319.32	198.15	405.12	346.25	58.87	6.882	
15,200.00	10,700.01	14,388.47	10,310.00	41.60	40.76	-15.70	4,419.32	197.49	405.11	345.51	59.60	6.797	
15,300.00	10,700.01	14,488.47	10,310.00	42.41	41.57	-15.70	4,519.32	196.82	405.11	344.77	60.35	6.713	
15,400.00	10,700.01	14,588.47	10,310.00	43.23	42.39	-15.70	4,619.31	196.16	405.11	344.02	61.10	6.631	
15,500.00	10,700.01	14,688.47	10,310.00	44.05	43.22	-15.70	4,719.31	195.50	405.11	343.26	61.85	6.549	
15,600.00	10,700.01	14,788.47	10,310.00	44.86	44.04	-15.70	4,819.31	194.84	405.11	342.50	62.62	6.470	
15,700.00	10,700.01	14,888.47	10,310.00	45.68	44.86	-15.70	4,919.31	194.17	405.11	341.73	63.39	6.391	
15,800.00	10,700.01	14,988.47	10,310.00	46.51	45.69	-15.70	5,019.30	193.51	405.11	340.95	64.16	6.314	
15,900.00	10,700.01	15,088.47	10,310.00	47.33	46.52	-15.70	5,119.30	192.85	405.11	340.17	64.94	6.238	
16,000.00	10,700.01	15,188.47	10,310.00	48.15	47.35	-15.70	5,219.30	192.19	405.11	339.39	65.73	6.164	
16,100.00	10,700.01	15,288.47	10,310.00	48.98	48.18	-15.70	5,319.30	191.52	405.11	338.60	66.52	6.090	
16,200.00	10,700.01	15,388.47	10,310.00	49.81	49.01	-15.70	5,419.30	190.86	405.11	337.80	67.31	6.018	
16,300.00	10,700.01	15,488.47	10,310.00	50.63	49.84	-15.70	5,519.29	190.20	405.11	337.00	68.11	5.948	
16,400.00	10,700.01	15,588.47	10,310.00	51.46	50.67	-15.70	5,619.29	189.54	405.11	336.20	68.92	5.878	
16,500.00	10,700.01	15,688.47	10,310.00	52.29	51.51	-15.70	5,719.29	188.87	405.11	335.39	69.73	5.810	
16,600.00	10,700.01	15,788.47	10,310.00	53.12	52.34	-15.70	5,819.29	188.21	405.11	334.57	70.54	5.743	
16,700.00	10,700.01	15,888.47	10,310.00	53.96	53.18	-15.70	5,919.28	187.55	405.11	333.75	71.36	5.677	
16,800.00	10,700.01	15,988.47	10,310.00	54.79	54.02	-15.70	6,019.28	186.89	405.11	332.93	72.18	5.613	
16,900.00	10,700.01	16,088.47	10,310.00	55.62	54.85	-15.70	6,119.28	186.23	405.11	332.11	73.00	5.549	
17,000.00	10,700.01	16,188.47	10,310.00	56.46	55.69	-15.70	6,219.28	185.56	405.11	331.28	73.83	5.487	
17,100.00	10,700.01	16,288.47	10,310.00	57.29	56.53	-15.70	6,319.28	184.90	405.11	330.44	74.67	5.426	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: DOLLY PURTON FEDERAL COM PROJECT - _DOLLY PURRTON FEDERAL COM 402H - OWB - PWP0 — **Offset Site Error:** 0.00 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
17,200.00	10,700.01	16,388.47	10,310.00	58.13	57.37	-15.70	6,419.27	184.24	405.11	329.61	75.50	5.365	
17,300.00	10,700.01	16,488.47	10,310.00	58.97	58.21	-15.70	6,519.27	183.58	405.11	328.77	76.34	5.306	
17,400.00	10,700.01	16,588.47	10,310.00	59.81	59.05	-15.70	6,619.27	182.91	405.11	327.93	77.19	5.249	
17,500.00	10,700.01	16,688.47	10,310.00	60.64	59.89	-15.70	6,719.27	182.25	405.11	327.08	78.03	5.192	
17,600.00	10,700.01	16,788.47	10,310.00	61.48	60.74	-15.70	6,819.27	181.59	405.11	326.23	78.88	5.136	
17,700.00	10,700.01	16,888.47	10,310.00	62.32	61.58	-15.70	6,919.26	180.93	405.11	325.38	79.73	5.081	
17,800.00	10,700.01	16,988.47	10,310.00	63.16	62.42	-15.70	7,019.26	180.26	405.11	324.52	80.59	5.027	
17,900.00	10,700.01	17,088.47	10,310.00	64.01	63.27	-15.70	7,119.26	179.60	405.11	323.67	81.44	4.974	
18,000.00	10,700.01	17,188.47	10,310.00	64.85	64.11	-15.70	7,219.26	178.94	405.11	322.80	82.30	4.922	
18,100.00	10,700.01	17,288.47	10,310.00	65.69	64.95	-15.70	7,319.25	178.28	405.11	321.94	83.17	4.871	
18,200.00	10,700.01	17,388.47	10,310.00	66.53	65.80	-15.70	7,419.25	177.61	405.11	321.08	84.03	4.821	
18,300.00	10,700.01	17,488.47	10,310.00	67.38	66.64	-15.70	7,519.25	176.95	405.11	320.21	84.90	4.772	
18,400.00	10,700.01	17,588.47	10,310.00	68.22	67.49	-15.70	7,619.25	176.29	405.11	319.34	85.77	4.723	
18,500.00	10,700.01	17,688.47	10,310.00	69.06	68.34	-15.70	7,719.25	175.63	405.11	318.47	86.64	4.676	
18,600.00	10,700.01	17,788.47	10,310.00	69.91	69.18	-15.70	7,819.24	174.96	405.11	317.59	87.52	4.629	
18,700.00	10,700.01	17,888.47	10,310.00	70.75	70.03	-15.70	7,919.24	174.30	405.11	316.71	88.39	4.583	
18,800.00	10,700.01	17,988.47	10,310.00	71.60	70.88	-15.70	8,019.24	173.64	405.11	315.84	89.27	4.538	
18,900.00	10,700.01	18,088.47	10,310.00	72.45	71.73	-15.70	8,119.24	172.98	405.11	314.95	90.15	4.494	
19,000.00	10,700.01	18,188.47	10,310.00	73.29	72.58	-15.70	8,219.23	172.31	405.11	314.07	91.04	4.450	
19,100.00	10,700.01	18,288.47	10,310.00	74.14	73.42	-15.70	8,319.23	171.65	405.11	313.19	91.92	4.407	
19,200.00	10,700.01	18,388.47	10,310.00	74.99	74.27	-15.70	8,419.23	170.99	405.11	312.30	92.81	4.365	
19,300.00	10,700.01	18,488.47	10,310.00	75.83	75.12	-15.70	8,519.23	170.33	405.11	311.41	93.70	4.324	
19,400.00	10,700.01	18,588.47	10,310.00	76.68	75.97	-15.70	8,619.23	169.67	405.11	310.52	94.59	4.283	
19,500.00	10,700.01	18,688.47	10,310.00	77.53	76.82	-15.69	8,719.22	169.00	405.11	309.63	95.48	4.243	
19,600.00	10,700.01	18,788.47	10,310.00	78.38	77.67	-15.69	8,819.22	168.34	405.11	308.73	96.37	4.204	
19,700.00	10,700.01	18,888.47	10,310.00	79.22	78.52	-15.69	8,919.22	167.68	405.11	307.84	97.27	4.165	
19,800.00	10,700.01	18,988.47	10,310.00	80.07	79.37	-15.69	9,019.22	167.02	405.11	306.94	98.16	4.127	
19,900.00	10,700.01	19,088.47	10,310.00	80.92	80.22	-15.69	9,119.21	166.35	405.11	306.04	99.06	4.089	
20,000.00	10,700.01	19,188.47	10,310.00	81.77	81.07	-15.69	9,219.21	165.69	405.11	305.14	99.96	4.053	
20,100.00	10,700.01	19,288.47	10,310.00	82.62	81.93	-15.69	9,319.21	165.03	405.11	304.24	100.86	4.016	
20,200.00	10,700.01	19,388.47	10,310.00	83.47	82.78	-15.69	9,419.21	164.37	405.11	303.34	101.76	3.981	
20,300.00	10,700.01	19,488.47	10,310.00	84.32	83.63	-15.69	9,519.21	163.70	405.11	302.44	102.67	3.946	
20,400.00	10,700.01	19,588.47	10,310.00	85.17	84.48	-15.69	9,619.20	163.04	405.11	301.53	103.57	3.911	
20,500.00	10,700.01	19,688.47	10,310.00	86.02	85.33	-15.69	9,719.20	162.38	405.10	300.62	104.48	3.877	
20,600.00	10,700.01	19,788.47	10,310.00	86.87	86.18	-15.69	9,819.20	161.72	405.10	299.72	105.39	3.844	
20,700.00	10,700.01	19,888.47	10,310.00	87.73	87.04	-15.69	9,919.20	161.05	405.10	298.81	106.30	3.811	
20,800.00	10,700.01	19,988.47	10,310.00	88.58	87.89	-15.69	10,019.20	160.39	405.10	297.90	107.21	3.779	
20,900.00	10,700.01	20,088.47	10,310.00	89.43	88.74	-15.69	10,119.19	159.73	405.10	296.99	108.12	3.747	
21,000.00	10,700.01	20,188.47	10,310.00	90.28	89.60	-15.69	10,219.19	159.07	405.10	296.07	109.03	3.716	
21,100.00	10,700.01	20,288.47	10,310.00	91.13	90.45	-15.69	10,319.19	158.40	405.10	295.16	109.94	3.685	
21,200.00	10,700.01	20,388.47	10,310.00	91.98	91.30	-15.69	10,419.19	157.74	405.10	294.25	110.86	3.654	
21,300.00	10,700.01	20,488.47	10,310.00	92.84	92.16	-15.69	10,519.18	157.08	405.10	293.33	111.77	3.624	
21,400.00	10,700.01	20,588.47	10,310.00	93.69	93.01	-15.69	10,619.18	156.42	405.10	292.41	112.69	3.595	
21,500.00	10,700.01	20,688.47	10,310.00	94.54	93.86	-15.69	10,719.18	155.75	405.10	291.49	113.61	3.566	
21,600.00	10,700.01	20,788.47	10,310.00	95.40	94.72	-15.69	10,819.18	155.09	405.10	290.58	114.53	3.537	
21,700.00	10,700.01	20,888.47	10,310.00	96.25	95.57	-15.69	10,919.18	154.43	405.10	289.66	115.45	3.509	
21,800.00	10,700.01	20,988.47	10,310.00	97.10	96.43	-15.69	11,019.17	153.77	405.10	288.74	116.37	3.481	
21,900.00	10,700.01	21,088.47	10,310.00	97.95	97.28	-15.69	11,119.17	153.11	405.10	287.81	117.29	3.454	
22,000.00	10,700.01	21,188.47	10,310.00	98.81	98.14	-15.69	11,219.17	152.44	405.10	286.89	118.21	3.427	
22,100.00	10,700.01	21,288.47	10,310.00	99.66	98.99	-15.69	11,319.17	151.78	405.10	285.97	119.13	3.400	
22,200.00	10,700.01	21,388.47	10,310.00	100.52	99.85	-15.69	11,419.16	151.12	405.10	285.04	120.06	3.374	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: DOLLY PURTON FEDERAL COM PROJECT - _DOLLY PURRTON FEDERAL COM 402H - OWB - PWP0 — **Offset Site Error:** 0.00 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
22,300.00	10,700.01	21,488.47	10,310.00	101.37	100.70	-15.69	11,519.16	150.46	405.10	284.12	120.98	3.348	
22,400.00	10,700.01	21,588.47	10,310.00	102.22	101.56	-15.69	11,619.16	149.79	405.10	283.19	121.91	3.323	
22,500.00	10,700.01	21,688.47	10,310.00	103.08	102.41	-15.69	11,719.16	149.13	405.10	282.27	122.84	3.298	
22,600.00	10,700.01	21,788.47	10,310.00	103.93	103.27	-15.69	11,819.16	148.47	405.10	281.34	123.76	3.273	
22,700.00	10,700.01	21,888.47	10,310.00	104.79	104.12	-15.69	11,919.15	147.81	405.10	280.41	124.69	3.249	
22,800.00	10,700.01	21,988.47	10,310.00	105.64	104.98	-15.69	12,019.15	147.14	405.10	279.48	125.62	3.225	
22,900.00	10,700.01	22,088.47	10,310.00	106.50	105.83	-15.69	12,119.15	146.48	405.10	278.55	126.55	3.201	
23,000.00	10,700.01	22,188.47	10,310.00	107.35	106.69	-15.69	12,219.15	145.82	405.10	277.62	127.48	3.178	
23,100.00	10,700.01	22,288.47	10,310.00	108.21	107.54	-15.69	12,319.14	145.16	405.10	276.69	128.41	3.155	
23,200.00	10,700.01	22,388.47	10,310.00	109.06	108.40	-15.69	12,419.14	144.49	405.10	275.76	129.34	3.132	
23,300.00	10,700.01	22,488.47	10,310.00	109.92	109.26	-15.69	12,519.14	143.83	405.10	274.83	130.27	3.110	
23,400.00	10,700.01	22,588.47	10,310.00	110.77	110.11	-15.69	12,619.14	143.17	405.10	273.89	131.21	3.088	
23,500.00	10,700.01	22,688.47	10,310.00	111.63	110.97	-15.69	12,719.14	142.51	405.10	272.96	132.14	3.066	
23,600.00	10,700.01	22,788.47	10,310.00	112.48	111.83	-15.69	12,819.13	141.84	405.10	272.03	133.07	3.044	
23,700.00	10,700.01	22,888.47	10,310.00	113.34	112.68	-15.69	12,919.13	141.18	405.10	271.09	134.01	3.023	
23,800.00	10,700.01	22,988.47	10,310.00	114.19	113.54	-15.69	13,019.13	140.52	405.10	270.15	134.94	3.002	
23,900.00	10,700.01	23,088.47	10,310.00	115.05	114.39	-15.69	13,119.13	139.86	405.10	269.22	135.88	2.981	Normal Operations
24,000.00	10,700.01	23,188.47	10,310.00	115.91	115.25	-15.69	13,219.12	139.19	405.10	268.28	136.82	2.961	Normal Operations
24,100.00	10,700.01	23,288.47	10,310.00	116.76	116.11	-15.69	13,319.12	138.53	405.10	267.35	137.75	2.941	Normal Operations
24,200.00	10,700.01	23,388.47	10,310.00	117.62	116.97	-15.69	13,419.12	137.87	405.10	266.41	138.69	2.921	Normal Operations
24,300.00	10,700.01	23,488.47	10,310.00	118.47	117.82	-15.69	13,519.12	137.21	405.10	265.47	139.63	2.901	Normal Operations
24,400.00	10,700.01	23,588.47	10,310.00	119.33	118.68	-15.69	13,619.12	136.55	405.10	264.53	140.57	2.882	Normal Operations
24,500.00	10,700.01	23,688.47	10,310.00	120.19	119.54	-15.69	13,719.11	135.88	405.10	263.59	141.51	2.863	Normal Operations
24,600.00	10,700.01	23,788.47	10,310.00	121.04	120.39	-15.69	13,819.11	135.22	405.10	262.65	142.45	2.844	Normal Operations
24,700.00	10,700.01	23,888.47	10,310.00	121.90	121.25	-15.69	13,919.11	134.56	405.10	261.71	143.39	2.825	Normal Operations
24,800.00	10,700.01	23,988.47	10,310.00	122.76	122.11	-15.69	14,019.11	133.90	405.10	260.77	144.33	2.807	Normal Operations
24,900.00	10,700.01	24,088.47	10,310.00	123.61	122.97	-15.69	14,119.11	133.23	405.10	259.83	145.27	2.789	Normal Operations
25,000.00	10,700.01	24,188.47	10,310.00	124.47	123.82	-15.69	14,219.10	132.57	405.10	258.89	146.21	2.771	Normal Operations
25,100.00	10,700.01	24,288.47	10,310.00	125.33	124.68	-15.69	14,319.10	131.91	405.10	257.95	147.15	2.753	Normal Operations
25,200.00	10,700.01	24,388.47	10,310.00	126.18	125.54	-15.69	14,419.10	131.25	405.10	257.00	148.09	2.735	Normal Operations
25,300.00	10,700.01	24,488.47	10,310.00	127.04	126.40	-15.69	14,519.10	130.58	405.10	256.06	149.04	2.718	Normal Operations
25,400.00	10,700.01	24,588.47	10,310.00	127.90	127.25	-15.69	14,619.09	129.92	405.10	255.12	149.98	2.701	Normal Operations
25,500.00	10,700.01	24,688.47	10,310.00	128.76	128.11	-15.69	14,719.09	129.26	405.10	254.17	150.92	2.684	Normal Operations
25,600.00	10,700.01	24,788.47	10,310.00	129.61	128.97	-15.69	14,819.09	128.60	405.10	253.23	151.87	2.667	Normal Operations
25,700.00	10,700.01	24,888.47	10,310.00	130.47	129.83	-15.69	14,919.09	127.93	405.09	252.28	152.81	2.651	Normal Operations
25,800.00	10,700.01	24,988.47	10,310.00	131.33	130.68	-15.69	15,019.09	127.27	405.09	251.34	153.76	2.635	Normal Operations
25,900.00	10,700.01	25,088.47	10,310.00	132.19	131.54	-15.69	15,119.08	126.61	405.09	250.39	154.70	2.619	Normal Operations
26,000.00	10,700.01	25,188.47	10,310.00	133.04	132.40	-15.69	15,219.08	125.95	405.09	249.45	155.65	2.603	Normal Operations
26,100.00	10,700.01	25,288.47	10,310.00	133.90	133.26	-15.69	15,319.08	125.28	405.09	248.50	156.59	2.587	Normal Operations
26,127.32	10,700.01	25,315.79	10,310.00	134.07	133.49	-15.69	15,346.40	125.10	405.09	248.30	156.79	2.584	Normal Operations

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: DOLLY PURTON FEDERAL COM PROJECT - _DOLLY PURRTON FEDERAL COM 501H - OWB - PWP0 — **Offset Site Error:** 0.00 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 10322-r.5 MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.00	0.00	40.00				
100.00	100.00	100.00	100.00	0.79	0.79	0.00	40.00	0.00	40.00	37.96	2.04	19.591	
200.00	200.00	200.00	200.00	1.45	1.45	0.00	40.00	0.00	40.00	36.66	3.34	11.980	
300.00	300.00	300.00	300.00	1.89	1.89	0.00	40.00	0.00	40.00	35.78	4.22	9.487	
400.00	400.00	400.00	400.00	2.26	2.26	0.00	40.00	0.00	40.00	35.07	4.93	8.114	
500.00	500.00	500.00	500.00	2.57	2.57	0.00	40.00	0.00	40.00	34.45	5.55	7.209	
600.00	600.00	600.00	600.00	2.85	2.85	0.00	40.00	0.00	40.00	33.90	6.10	6.552	
700.00	700.00	700.00	700.00	3.11	3.11	0.00	40.00	0.00	40.00	33.39	6.61	6.047	
800.00	800.00	800.00	800.00	3.35	3.35	0.00	40.00	0.00	40.00	32.91	7.09	5.643	
900.00	900.00	900.00	900.00	3.58	3.58	0.00	40.00	0.00	40.00	32.46	7.54	5.308	
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	0.00	40.00	0.00	40.00	32.04	7.96	5.026	
1,100.00	1,100.00	1,100.00	1,100.00	4.00	4.00	0.00	40.00	0.00	40.00	31.64	8.36	4.783	
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	0.00	40.00	0.00	40.00	31.25	8.75	4.572	
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	0.00	40.00	0.00	40.00	30.88	9.12	4.385	
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	0.00	40.00	0.00	40.00	30.52	9.48	4.218	
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	0.00	40.00	0.00	40.00	30.17	9.83	4.068	
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	0.00	40.00	0.00	40.00	29.83	10.17	3.933	
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	0.00	40.00	0.00	40.00	29.50	10.50	3.809	
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	0.00	40.00	0.00	40.00	29.18	10.82	3.695	
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	0.00	40.00	0.00	40.00	28.86	11.14	3.591	
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	0.00	40.00	0.00	40.00	28.55	11.45	3.494 CC, ES	
2,100.00	2,099.98	2,100.31	2,100.29	5.78	5.79	-131.87	39.49	-1.68	40.67	28.91	11.76	3.458 SF	
2,200.00	2,199.84	2,200.04	2,199.88	5.98	5.99	-143.62	37.96	-6.68	43.95	31.88	12.06	3.643	
2,300.00	2,299.45	2,298.63	2,298.09	6.18	6.19	-158.63	35.46	-14.87	52.68	40.27	12.42	4.243	
2,349.95	2,349.08	2,347.28	2,346.43	6.21	6.29	-165.68	33.87	-20.11	59.80	47.26	12.54	4.768	
2,400.00	2,398.76	2,395.63	2,394.37	6.24	6.39	-171.88	32.04	-26.09	68.46	55.80	12.66	5.408	
2,500.00	2,498.01	2,491.18	2,488.78	6.36	6.58	178.35	27.75	-40.18	88.91	75.96	12.95	6.866	
2,600.00	2,597.27	2,586.98	2,583.03	6.48	6.69	171.33	22.74	-56.58	112.66	99.48	13.18	8.545	
2,700.00	2,696.52	2,683.33	2,677.79	6.61	6.81	166.70	17.67	-73.22	137.59	124.14	13.44	10.236	
2,800.00	2,795.78	2,779.67	2,772.55	6.74	6.94	163.49	12.59	-89.86	163.10	149.40	13.70	11.904	
2,900.00	2,895.03	2,876.02	2,867.32	6.87	7.07	161.15	7.52	-106.50	188.97	175.01	13.96	13.534	
3,000.00	2,994.29	2,972.36	2,962.08	7.00	7.20	159.37	2.44	-123.14	215.06	200.83	14.23	15.115	
3,100.00	3,093.54	3,068.71	3,056.84	7.14	7.34	157.98	-2.63	-139.78	241.31	226.81	14.50	16.643	
3,200.00	3,192.80	3,165.06	3,151.60	7.28	7.48	156.86	-7.71	-156.42	267.66	252.89	14.77	18.119	
3,300.00	3,292.05	3,261.40	3,246.37	7.42	7.62	155.94	-12.78	-173.06	294.09	279.04	15.05	19.540	
3,400.00	3,391.31	3,357.75	3,341.13	7.57	7.77	155.17	-17.86	-189.70	320.58	305.24	15.33	20.908	
3,500.00	3,490.56	3,454.10	3,435.89	7.71	7.92	154.52	-22.93	-206.34	347.11	331.49	15.62	22.224	
3,600.00	3,589.82	3,550.44	3,530.66	7.86	8.07	153.96	-28.01	-222.98	373.68	357.77	15.91	23.490	
3,700.00	3,689.07	3,646.79	3,625.42	8.01	8.22	153.48	-33.08	-239.62	400.28	384.08	16.20	24.706	
3,800.00	3,788.32	3,743.14	3,720.18	8.16	8.38	153.06	-38.16	-256.26	426.90	410.40	16.50	25.876	
3,900.00	3,887.58	3,839.48	3,814.94	8.31	8.53	152.68	-43.23	-272.90	453.54	436.74	16.80	27.001	
4,000.00	3,986.83	3,935.83	3,909.71	8.47	8.69	152.35	-48.31	-289.54	480.19	463.09	17.10	28.082	
4,100.00	4,086.09	4,032.17	4,004.47	8.62	8.85	152.05	-53.38	-306.18	506.86	489.46	17.41	29.121	
4,200.00	4,185.34	4,128.52	4,099.23	8.78	9.02	151.78	-58.46	-322.82	533.55	515.83	17.71	30.120	
4,300.00	4,284.60	4,224.87	4,193.99	8.94	9.18	151.54	-63.53	-339.46	560.24	542.21	18.02	31.082	
4,400.00	4,383.85	4,321.21	4,288.76	9.10	9.34	151.32	-68.61	-356.10	586.94	568.60	18.34	32.006	
4,500.00	4,483.11	4,417.56	4,383.52	9.26	9.51	151.12	-73.68	-372.74	613.64	594.99	18.65	32.896	
4,600.00	4,582.36	4,513.91	4,478.28	9.42	9.68	150.94	-78.75	-389.38	640.36	621.39	18.97	33.753	
4,700.00	4,681.62	4,610.25	4,573.05	9.58	9.85	150.77	-83.83	-406.02	667.08	647.78	19.29	34.578	
4,800.00	4,780.87	4,706.60	4,667.81	9.75	10.02	150.61	-88.90	-422.66	693.80	674.19	19.61	35.372	
4,900.00	4,880.13	4,802.94	4,762.57	9.91	10.19	150.46	-93.98	-439.30	720.53	700.59	19.94	36.138	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: DOLLY PURTON FEDERAL COM PROJECT - _DOLLY PURRTON FEDERAL COM 501H - OWB - PWP0

Offset Site Error: 0.00 usft

Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 10322-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,000.00	4,979.38	4,899.29	4,857.33	10.08	10.36	150.33	-99.05	-455.94	747.26	727.00	20.26	36.876	
5,100.00	5,078.64	4,995.64	4,952.10	10.24	10.54	150.20	-104.13	-472.58	774.00	753.40	20.59	37.587	
5,200.00	5,177.89	5,091.98	5,046.86	10.41	10.71	150.09	-109.20	-489.22	800.74	779.81	20.92	38.273	
5,300.00	5,277.15	5,188.33	5,141.62	10.58	10.89	149.98	-114.28	-505.86	827.48	806.23	21.25	38.935	
5,324.87	5,301.83	5,212.29	5,165.19	10.61	10.93	149.95	-115.54	-510.00	834.13	812.81	21.32	39.118	
5,400.00	5,376.46	5,284.78	5,236.49	10.72	11.07	149.96	-119.36	-522.52	853.81	832.25	21.56	39.603	
5,500.00	5,475.96	5,381.60	5,331.71	10.89	11.25	149.92	-124.46	-539.24	878.74	856.85	21.89	40.146	
5,600.00	5,575.61	5,478.75	5,427.26	11.05	11.43	149.82	-129.58	-556.01	902.20	879.99	22.22	40.612	
5,700.00	5,675.40	5,576.21	5,523.12	11.20	11.61	149.67	-134.71	-572.85	924.22	901.68	22.54	41.005	
5,800.00	5,775.28	5,673.94	5,619.25	11.35	11.79	149.47	-139.86	-589.73	944.78	921.92	22.86	41.332	
5,900.00	5,875.23	5,771.93	5,715.63	11.49	11.98	149.23	-145.02	-606.65	963.90	940.73	23.17	41.599	
6,000.00	5,975.22	5,870.14	5,812.23	11.62	12.16	148.93	-150.19	-623.61	981.59	958.11	23.47	41.816	
6,024.78	6,000.00	5,894.51	5,836.19	11.63	12.21	-83.59	-151.48	-627.82	985.75	962.22	23.53	41.895	
6,100.00	6,075.22	5,968.50	5,908.96	11.66	12.35	-83.90	-155.37	-640.60	998.26	974.56	23.71	42.110	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: REDTAIL FED COM PROJECT - CUERVO FEDERAL 21H - OWB - AWP

Offset Site Error: 3.00 usft

Survey Program: 143-r.5 MWD

Rule Assigned:

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
9,400.00	9,375.22	14,045.00	9,749.82	13.79	79.01	74.75	-20.38	1,217.08	985.02	878.22	106.81	9.223	
9,500.00	9,475.22	14,045.00	9,749.82	13.86	79.01	74.75	-20.38	1,217.08	951.50	842.95	108.55	8.765	
9,600.00	9,575.22	14,045.00	9,749.82	13.93	79.01	74.75	-20.38	1,217.08	927.59	817.96	109.64	8.461	
9,700.00	9,675.22	14,045.00	9,749.82	13.99	79.01	74.75	-20.38	1,217.08	914.06	804.16	109.91	8.317 SF	
9,774.60	9,749.82	14,045.00	9,749.82	14.04	79.01	74.75	-20.38	1,217.08	911.01	801.49	109.53	8.318 CC, ES	
9,800.00	9,775.22	14,045.00	9,749.82	14.06	79.01	74.75	-20.38	1,217.08	911.37	802.08	109.28	8.340	
9,900.00	9,875.22	14,045.00	9,749.82	14.13	79.01	74.75	-20.38	1,217.08	919.60	811.82	107.78	8.532	
10,000.00	9,975.22	14,045.00	9,749.82	14.20	79.01	74.75	-20.38	1,217.08	938.48	832.95	105.53	8.893	
10,100.00	10,075.22	14,045.00	9,749.82	14.27	79.01	74.75	-20.38	1,217.08	967.38	864.66	102.72	9.417	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: REDTAIL FED COM PROJECT - DIAMONDTAIL 23 FEDERAL 4H - OWB - AWP

Offset Site Error: 3.00 usft

Survey Program: 178-r.5 MWD+IFR1

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.00	0.00	0.00	32.00	0.00	3.00	164.10	-705.51	200.96	734.27				
100.00	100.00	69.90	101.90	0.79	3.08	164.11	-705.47	200.77	733.48	728.57	4.91	149.427	
200.00	200.00	172.69	204.69	1.45	3.44	164.18	-705.25	199.83	733.03	727.36	5.68	129.150	
300.00	300.00	273.01	304.99	1.89	3.58	164.28	-704.97	198.45	732.38	726.28	6.10	119.994	
400.00	400.00	372.32	404.30	2.26	3.72	164.37	-704.59	197.06	731.64	725.15	6.49	112.723	
500.00	500.00	475.61	507.58	2.57	3.87	164.43	-704.15	196.17	731.00	724.12	6.88	106.324	
600.00	600.00	570.85	602.81	2.85	4.02	164.52	-703.67	194.89	730.17	722.94	7.23	100.999	
700.00	700.00	671.77	703.72	3.11	4.18	164.60	-703.59	193.80	729.80	722.23	7.58	96.317	
800.00	800.00	771.27	803.22	3.35	4.40	164.68	-703.33	192.72	729.26	721.30	7.96	91.596	
900.00	900.00	868.89	900.83	3.58	4.61	164.75	-703.31	191.79	729.00	720.66	8.34	87.434	
976.62	976.62	944.68	976.62	3.74	4.88	164.80	-703.45	191.12	728.95	720.23	8.73	83.543	
1,000.00	1,000.00	967.81	999.75	3.79	4.96	164.81	-703.50	190.95	728.96	720.11	8.85	82.406	
1,100.00	1,100.00	1,065.68	1,097.62	4.00	5.19	164.88	-703.87	190.22	729.13	719.92	9.20	79.250	
1,200.00	1,200.00	1,167.97	1,199.90	4.19	5.39	164.95	-704.29	189.41	729.31	719.79	9.52	76.594	
1,300.00	1,300.00	1,268.29	1,300.22	4.38	5.54	165.00	-704.69	188.82	729.55	719.77	9.78	74.617	
1,400.00	1,400.00	1,369.29	1,401.22	4.56	5.76	165.04	-704.71	188.28	729.43	719.33	10.11	72.184	
1,500.00	1,500.00	1,469.01	1,500.93	4.74	5.98	165.08	-704.72	187.74	729.29	718.87	10.43	69.945	
1,600.00	1,600.00	1,570.23	1,602.16	4.91	6.19	165.12	-704.62	187.21	729.07	718.32	10.75	67.838	
1,700.00	1,700.00	1,670.05	1,701.97	5.08	6.40	165.16	-704.46	186.69	728.78	717.72	11.06	65.875	
1,800.00	1,800.00	1,769.93	1,801.85	5.24	6.61	165.18	-704.31	186.30	728.53	717.16	11.37	64.053	
1,900.00	1,900.00	1,870.00	1,901.92	5.40	6.80	165.21	-704.11	185.97	728.25	716.57	11.68	62.339	
2,000.00	2,000.00	1,970.13	2,002.05	5.56	7.00	165.24	-704.00	185.48	728.02	716.04	11.98	60.752	
2,100.00	2,099.98	2,071.60	2,103.51	5.78	7.21	37.82	-703.70	185.02	726.24	713.92	12.32	58.934	
2,200.00	2,199.84	2,171.50	2,203.42	5.98	7.41	38.17	-703.30	184.48	721.60	708.96	12.64	57.087	
2,300.00	2,299.45	2,270.78	2,302.69	6.18	7.62	38.73	-702.99	183.83	714.30	701.35	12.95	55.167	
2,349.95	2,349.08	2,320.43	2,352.34	6.21	7.73	39.10	-702.85	183.46	709.66	696.62	13.05	54.393	
2,400.00	2,398.76	2,369.96	2,401.87	6.24	7.83	39.44	-702.70	183.13	704.70	691.56	13.14	53.621	
2,500.00	2,498.01	2,469.04	2,500.95	6.36	8.03	40.10	-702.36	182.69	694.88	681.48	13.40	51.869	
2,600.00	2,597.27	2,569.40	2,601.31	6.48	8.23	40.79	-701.98	182.21	685.10	671.44	13.66	50.162	
2,700.00	2,696.52	2,668.59	2,700.49	6.61	8.43	41.51	-701.47	181.61	675.27	661.35	13.92	48.511	
2,800.00	2,795.78	2,767.57	2,799.48	6.74	8.63	42.23	-701.00	181.10	665.60	651.42	14.18	46.942	
2,900.00	2,895.03	2,868.50	2,900.40	6.87	8.84	43.01	-700.43	180.47	655.94	641.50	14.44	45.412	
3,000.00	2,994.29	2,968.84	3,000.73	7.00	9.04	43.80	-699.61	179.77	646.14	631.43	14.71	43.911	
3,100.00	3,093.54	3,067.75	3,099.64	7.14	9.23	44.59	-698.72	179.19	636.39	621.41	14.98	42.474	
3,200.00	3,192.80	3,167.29	3,199.17	7.28	9.44	45.43	-697.82	178.47	626.76	611.51	15.25	41.098	
3,300.00	3,292.05	3,266.79	3,298.66	7.42	9.65	46.29	-696.87	177.71	617.20	601.68	15.52	39.768	
3,400.00	3,391.31	3,367.01	3,398.88	7.57	9.85	47.18	-695.77	176.99	607.65	591.86	15.79	38.486	
3,500.00	3,490.56	3,466.09	3,497.94	7.71	10.06	48.09	-694.60	176.29	598.16	582.11	16.06	37.253	
3,600.00	3,589.82	3,565.64	3,597.48	7.86	10.27	49.03	-693.41	175.58	588.82	572.50	16.32	36.075	
3,700.00	3,689.07	3,665.72	3,697.55	8.01	10.48	50.03	-692.03	174.67	579.45	562.86	16.59	34.934	
3,800.00	3,788.32	3,764.82	3,796.64	8.16	10.70	51.04	-690.66	173.88	570.25	553.40	16.85	33.846	
3,900.00	3,887.58	3,865.11	3,896.91	8.31	10.91	52.08	-689.09	173.14	561.06	543.95	17.11	32.788	
4,000.00	3,986.83	3,964.61	3,996.39	8.47	11.12	53.16	-687.39	172.33	551.91	534.54	17.37	31.771	
4,100.00	4,086.09	4,063.67	4,095.44	8.62	11.33	54.26	-685.66	171.59	542.93	525.30	17.63	30.798	
4,200.00	4,185.34	4,161.78	4,193.53	8.78	11.51	55.35	-684.01	171.27	534.20	516.32	17.88	29.875	
4,300.00	4,284.60	4,259.97	4,291.71	8.94	11.64	56.41	-682.64	171.48	525.93	507.80	18.12	29.017	
4,400.00	4,383.85	4,358.89	4,390.62	9.10	11.75	57.48	-681.35	171.90	517.91	499.55	18.36	28.208	
4,500.00	4,483.11	4,457.60	4,489.32	9.26	11.83	58.57	-680.15	172.53	510.15	491.56	18.59	27.448	
4,600.00	4,582.36	4,556.57	4,588.28	9.42	11.88	59.66	-679.07	173.41	502.67	483.87	18.80	26.738	
4,700.00	4,681.62	4,654.98	4,686.69	9.58	11.90	60.74	-678.11	174.56	495.45	476.45	19.00	26.080	
4,800.00	4,780.87	4,754.91	4,786.60	9.75	11.90	61.85	-677.25	175.91	488.51	469.32	19.19	25.457	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: REDTAIL FED COM PROJECT - DIAMONDTAIL 23 FEDERAL 4H - OWB - AWP

Offset Site Error: 3.00 usft

Survey Program: 178-r.5 MWD+IFR1

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
4,900.00	4,880.13	4,853.93	4,885.61	9.91	11.92	62.97	-676.29	177.27	481.64	462.26	19.38	24.848	
5,000.00	4,979.38	4,954.16	4,985.82	10.08	11.95	64.16	-675.29	178.55	474.96	455.37	19.59	24.250	
5,100.00	5,078.64	5,052.72	5,084.37	10.24	11.98	65.34	-674.26	179.94	468.41	448.63	19.78	23.678	
5,200.00	5,177.89	5,152.46	5,184.09	10.41	12.01	66.56	-673.31	181.41	462.14	442.16	19.98	23.133	
5,300.00	5,277.15	5,251.93	5,283.55	10.58	12.05	67.82	-672.26	182.82	456.00	435.82	20.18	22.600	
5,324.87	5,301.83	5,276.41	5,308.02	10.61	12.06	68.14	-672.01	183.17	454.51	434.30	20.21	22.489	
5,400.00	5,376.46	5,350.45	5,382.05	10.72	12.08	68.98	-671.35	184.37	450.34	430.00	20.34	22.138	
5,500.00	5,475.96	5,449.42	5,481.00	10.89	12.09	69.94	-670.67	186.15	445.64	425.11	20.53	21.707	
5,600.00	5,575.61	5,549.95	5,581.51	11.05	12.10	70.72	-669.94	187.93	441.60	420.87	20.73	21.302	
5,700.00	5,675.40	5,649.79	5,681.34	11.20	12.13	71.31	-669.07	189.74	438.07	417.13	20.95	20.914	
5,800.00	5,775.28	5,748.00	5,779.53	11.35	12.16	71.70	-668.46	191.30	435.44	414.28	21.16	20.578	
5,900.00	5,875.23	5,848.46	5,879.98	11.49	12.21	71.94	-667.76	192.53	433.43	412.04	21.39	20.265	
6,000.00	5,975.22	5,948.92	5,980.43	11.62	12.28	71.97	-667.04	193.75	431.94	410.31	21.63	19.969	
6,024.78	6,000.00	5,974.29	6,005.80	11.63	12.30	-160.50	-666.82	194.10	431.61	409.93	21.68	19.911	
6,100.00	6,075.22	6,049.48	6,080.97	11.66	12.35	-160.61	-666.08	195.24	430.53	408.69	21.84	19.713	
6,200.00	6,175.22	6,148.41	6,179.89	11.72	12.43	-160.74	-665.32	196.49	429.39	407.32	22.07	19.454	
6,300.00	6,275.22	6,249.23	6,280.70	11.78	12.52	-160.85	-664.49	197.66	428.23	405.92	22.31	19.194	
6,400.00	6,375.22	6,349.45	6,380.91	11.85	12.63	-160.97	-663.51	199.00	426.87	404.31	22.56	18.923	
6,500.00	6,475.22	6,449.08	6,480.53	11.91	12.75	-161.05	-662.50	199.97	425.59	402.78	22.81	18.657	
6,600.00	6,575.22	6,549.50	6,580.94	11.97	12.88	-161.14	-661.50	200.97	424.32	401.25	23.07	18.392	
6,700.00	6,675.22	6,651.16	6,682.59	12.03	13.03	-161.22	-660.24	202.04	422.81	399.47	23.34	18.112	
6,800.00	6,775.22	6,749.49	6,780.90	12.09	13.18	-161.29	-658.88	203.07	421.17	397.55	23.61	17.837	
6,900.00	6,875.22	6,850.00	6,881.40	12.16	13.32	-161.39	-657.84	204.20	419.83	395.95	23.88	17.582	
7,000.00	6,975.22	6,949.85	6,981.24	12.22	13.47	-161.50	-656.69	205.39	418.36	394.21	24.15	17.322	
7,100.00	7,075.22	7,051.51	7,082.88	12.28	13.64	-161.57	-655.31	206.45	416.74	392.30	24.44	17.053	
7,200.00	7,175.22	7,149.89	7,181.24	12.35	13.81	-161.65	-653.95	207.46	415.10	390.38	24.72	16.791	
7,300.00	7,275.22	7,250.72	7,282.06	12.41	13.98	-161.73	-652.64	208.51	413.54	388.53	25.01	16.535	
7,400.00	7,375.22	7,351.10	7,382.43	12.47	14.17	-161.80	-651.18	209.50	411.85	386.54	25.31	16.273	
7,500.00	7,475.22	7,451.13	7,482.44	12.54	14.38	-161.80	-649.44	210.08	410.02	384.41	25.61	16.011	
7,600.00	7,575.22	7,548.75	7,580.05	12.60	14.60	-161.73	-647.98	210.03	408.61	382.72	25.89	15.783	
7,700.00	7,675.22	7,648.27	7,679.56	12.67	14.82	-161.66	-646.73	209.92	407.46	381.30	26.16	15.573	
7,800.00	7,775.22	7,746.85	7,778.14	12.73	15.02	-161.56	-645.67	209.56	406.55	380.14	26.41	15.394	
7,900.00	7,875.22	7,846.28	7,877.55	12.80	15.21	-161.31	-644.59	208.05	406.01	379.40	26.61	15.259	
8,000.00	7,975.22	7,946.55	7,977.80	12.86	15.40	-161.22	-643.73	207.68	405.31	378.47	26.83	15.104	
8,100.00	8,075.22	8,045.21	8,076.47	12.93	15.58	-161.16	-643.14	207.38	404.84	377.79	27.06	14.963	
8,200.00	8,175.22	8,144.46	8,175.72	12.99	15.73	-161.10	-642.84	207.07	404.66	377.42	27.24	14.857	
8,261.18	8,236.40	8,205.15	8,236.40	13.03	15.80	-161.06	-642.69	206.81	404.60	377.28	27.32	14.809	CC, ES
8,300.00	8,275.22	8,243.12	8,274.37	13.06	15.82	-161.03	-642.67	206.63	404.64	377.29	27.35	14.796	
8,400.00	8,375.22	8,343.54	8,374.80	13.12	15.84	-161.01	-642.89	206.36	404.93	377.52	27.41	14.772	
8,500.00	8,475.22	8,442.23	8,473.48	13.19	15.82	-161.04	-643.08	206.58	405.05	377.57	27.47	14.743	SF
8,600.00	8,575.22	8,538.87	8,570.12	13.25	15.77	-161.00	-643.73	205.99	405.89	378.42	27.46	14.779	
8,700.00	8,675.22	8,638.74	8,669.98	13.32	15.69	-160.96	-644.98	205.31	407.28	379.87	27.41	14.859	
8,800.00	8,775.22	8,738.02	8,769.25	13.39	15.59	-160.94	-646.16	204.74	408.59	381.24	27.35	14.938	
8,900.00	8,875.22	8,839.96	8,871.19	13.45	15.47	-160.98	-647.50	204.54	409.91	382.59	27.31	15.007	
9,000.00	8,975.22	8,932.94	8,964.14	13.52	15.34	-161.13	-649.16	205.12	411.42	384.13	27.29	15.077	
9,100.00	9,075.22	8,990.00	9,020.83	13.59	15.25	-161.80	-654.09	208.59	418.39	390.99	27.40	15.272	
9,200.00	9,175.22	9,054.00	9,082.40	13.66	15.12	-163.68	-668.01	218.71	435.14	407.52	27.62	15.753	
9,300.00	9,275.22	9,131.39	9,153.85	13.72	14.93	-166.75	-691.78	236.46	459.90	432.06	27.84	16.520	
9,400.00	9,375.22	9,206.45	9,220.75	13.79	14.76	-170.23	-716.80	259.46	488.59	460.48	28.11	17.382	
9,500.00	9,475.22	9,275.00	9,279.58	13.86	14.62	-173.60	-741.90	284.08	522.90	494.46	28.44	18.389	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: REDTAIL FED COM PROJECT - DIAMONDTAIL 23 FEDERAL 4H - OWB - AWP

Offset Site Error: 3.00 usft

Survey Program: 178-r.5 MWD+IFR1

Offset Well Error: 0.00 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
9,600.00	9,575.22	9,326.99	9,322.50	13.93	14.54	-176.20	-762.67	304.79	563.61	534.69	28.92	19.488	
9,700.00	9,675.22	9,370.00	9,356.17	13.99	14.48	-178.29	-782.67	322.54	612.55	583.05	29.50	20.761	
9,800.00	9,775.22	9,402.00	9,379.94	14.06	14.44	-179.77	-799.33	336.00	668.68	638.48	30.20	22.143	
9,900.00	9,875.22	9,433.00	9,401.70	14.13	14.42	178.82	-816.67	349.64	730.91	700.03	30.89	23.665	
10,000.00	9,975.22	9,465.00	9,422.63	14.20	14.40	177.33	-835.41	364.96	798.23	766.69	31.54	25.309	
10,100.00	10,075.22	9,497.00	9,441.88	14.27	14.39	175.80	-854.66	381.76	869.85	837.69	32.16	27.046	
10,200.00	10,175.22	9,511.17	9,449.90	14.34	14.39	175.13	-863.37	389.54	944.87	911.97	32.90	28.717	
10,247.32	10,222.54	9,529.00	9,459.60	14.35	14.40	174.31	-874.61	399.42	981.62	948.48	33.14	29.624	
10,250.00	10,225.22	9,529.00	9,459.60	14.35	14.40	174.65	-874.61	399.42	983.71	950.42	33.29	29.551	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: REDTAIL FED COM PROJECT - DOLLY PURRTON WC FEDERAL COM 701H - OWB - AWP

Offset Site Error: 3.00 usft

Survey Program: 157-r.5 MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Rule Assigned: No-Go Distance (usft)	Separation Factor	Warning
0.00	0.00	0.00	24.00	0.00	3.00	-81.27	79.75	-519.45	526.08				
100.00	100.00	75.17	99.17	0.79	3.06	-81.28	79.71	-519.52	525.60	520.70	4.89	107.423 CC	
200.00	200.00	173.95	197.95	1.45	3.30	-81.30	79.55	-519.80	525.86	520.36	5.50	95.558	
300.00	300.00	273.11	297.11	1.89	3.50	-81.35	79.20	-520.40	526.40	520.38	6.02	87.491	
400.00	400.00	373.94	397.94	2.26	3.69	-81.40	78.80	-520.87	526.80	520.31	6.49	81.133 ES	
500.00	500.00	473.10	497.09	2.57	3.90	-81.44	78.48	-521.40	527.28	520.32	6.96	75.789	
600.00	600.00	572.95	596.94	2.85	4.11	-81.47	78.30	-522.02	527.87	520.46	7.41	71.240	
700.00	700.00	673.65	697.64	3.11	4.32	-81.51	77.99	-522.60	528.39	520.55	7.84	67.391	
800.00	800.00	773.18	797.16	3.35	4.52	-81.54	77.82	-523.09	528.85	520.60	8.26	64.056	
900.00	900.00	873.63	897.62	3.58	4.73	-81.57	77.60	-523.65	529.37	520.71	8.67	61.090	
1,000.00	1,000.00	972.75	996.74	3.79	4.93	-81.59	77.51	-524.18	529.89	520.82	9.06	58.466	
1,100.00	1,100.00	1,073.33	1,097.31	4.00	5.14	-81.64	77.10	-524.80	530.44	520.99	9.45	56.160	
1,200.00	1,200.00	1,170.88	1,194.86	4.19	5.35	-81.72	76.49	-525.63	531.19	521.38	9.82	54.116	
1,300.00	1,300.00	1,270.22	1,294.19	4.38	5.58	-81.80	75.93	-526.78	532.25	522.05	10.21	52.149	
1,400.00	1,400.00	1,371.11	1,395.07	4.56	5.80	-81.88	75.32	-527.82	533.18	522.61	10.58	50.406	
1,500.00	1,500.00	1,469.25	1,493.20	4.74	6.03	-81.95	74.84	-528.98	534.29	523.34	10.96	48.766	
1,600.00	1,600.00	1,567.87	1,591.81	4.91	6.26	-82.02	74.34	-530.46	535.70	524.36	11.34	47.243	
1,700.00	1,700.00	1,667.63	1,691.56	5.08	6.51	-82.10	73.85	-532.13	537.30	525.57	11.73	45.815	
1,800.00	1,800.00	1,767.72	1,791.63	5.24	6.75	-82.18	73.28	-533.75	538.82	526.70	12.12	44.475	
1,900.00	1,900.00	1,867.68	1,891.57	5.40	7.00	-82.28	72.61	-535.44	540.41	527.91	12.50	43.240	
2,000.00	2,000.00	1,968.75	1,992.63	5.56	7.24	-82.34	72.18	-537.01	541.89	529.00	12.88	42.063	
2,100.00	2,099.98	2,073.41	2,097.28	5.78	7.46	150.24	72.95	-537.99	544.43	531.10	13.33	40.834	
2,200.00	2,199.84	2,174.34	2,198.17	5.98	7.53	150.73	75.50	-537.92	549.28	535.64	13.63	40.293	
2,300.00	2,299.45	2,273.65	2,297.45	6.18	7.57	151.35	78.05	-537.87	557.24	543.35	13.89	40.115	
2,349.95	2,349.08	2,323.15	2,346.94	6.21	7.60	151.71	79.37	-537.84	562.41	548.44	13.97	40.263	
2,400.00	2,398.76	2,372.71	2,396.48	6.24	7.62	152.13	80.71	-537.81	567.99	553.95	14.04	40.448	
2,500.00	2,498.01	2,474.35	2,498.08	6.36	7.68	153.00	83.61	-537.50	579.04	564.79	14.25	40.648	
2,600.00	2,597.27	2,581.99	2,605.66	6.48	7.69	153.92	86.94	-536.12	589.30	574.90	14.41	40.899	
2,700.00	2,696.52	2,693.45	2,717.04	6.61	7.66	154.76	89.06	-532.71	597.69	583.18	14.50	41.217	
2,800.00	2,795.78	2,793.20	2,816.72	6.74	7.63	155.29	88.64	-529.12	605.16	590.58	14.58	41.509	
2,900.00	2,895.03	2,887.01	2,910.47	6.87	7.64	155.55	86.12	-526.81	613.25	598.55	14.70	41.704	
3,000.00	2,994.29	2,974.57	2,998.00	7.00	7.73	155.82	84.25	-525.56	622.54	607.67	14.88	41.848	
3,100.00	3,093.54	3,052.26	3,075.67	7.14	8.02	156.19	84.62	-526.50	634.93	619.81	15.12	42.002	
3,200.00	3,192.80	3,154.14	3,177.52	7.28	8.16	156.73	86.31	-528.74	648.64	633.20	15.44	42.008	
3,300.00	3,292.05	3,252.09	3,275.43	7.42	8.30	157.25	88.09	-530.74	662.29	646.53	15.76	42.025	
3,400.00	3,391.31	3,354.66	3,377.96	7.57	8.45	157.77	89.93	-532.86	676.02	659.93	16.08	42.029	
3,500.00	3,490.56	3,471.61	3,494.89	7.71	8.53	158.37	91.84	-533.14	688.01	671.65	16.36	42.052	
3,600.00	3,589.82	3,576.46	3,599.71	7.86	8.53	158.91	93.27	-531.23	697.99	681.47	16.53	42.235	
3,700.00	3,689.07	3,674.73	3,697.96	8.01	8.52	159.43	94.85	-529.43	708.10	691.42	16.68	42.457	
3,800.00	3,788.32	3,784.82	3,808.01	8.16	8.50	159.96	96.05	-527.00	717.79	700.97	16.82	42.677	
3,900.00	3,887.58	3,895.68	3,918.80	8.31	8.48	160.33	94.91	-523.22	725.71	708.78	16.93	42.865	
4,000.00	3,986.83	3,992.53	4,015.56	8.47	8.49	160.61	93.35	-519.58	733.15	716.09	17.06	42.979	
4,100.00	4,086.09	4,099.90	4,122.83	8.62	8.53	160.93	91.67	-515.19	740.30	723.11	17.19	43.055	
4,200.00	4,185.34	4,208.02	4,230.77	8.78	8.60	161.20	88.99	-509.48	746.04	728.69	17.35	42.998	
4,300.00	4,284.60	4,299.01	4,321.56	8.94	8.70	161.27	84.70	-505.49	751.94	734.39	17.55	42.855	
4,400.00	4,383.85	4,386.46	4,408.82	9.10	8.80	161.18	79.30	-503.77	759.61	741.84	17.77	42.755	
4,500.00	4,483.11	4,485.88	4,508.06	9.26	8.90	161.09	73.29	-502.11	767.64	749.65	17.99	42.674	
4,600.00	4,582.36	4,577.36	4,599.47	9.42	8.98	161.18	70.35	-500.80	776.77	758.54	18.23	42.611	
4,700.00	4,681.62	4,677.16	4,699.21	9.58	9.08	161.30	67.29	-498.77	785.41	766.95	18.46	42.537	
4,800.00	4,780.87	4,749.11	4,771.13	9.75	9.17	161.43	66.14	-498.85	796.53	777.83	18.69	42.607	
4,900.00	4,880.13	4,846.99	4,869.01	9.91	9.28	161.63	65.72	-500.36	809.40	790.44	18.96	42.699	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: REDTAIL FED COM PROJECT - DOLLY PURRTON WC FEDERAL COM 701H - OWB - AWP

Offset Site Error: 3.00 usft

Survey Program: 157-r.5 MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Rule Assigned: No-Go Distance (usft)	Separation Factor	Warning
5,000.00	4,979.38	4,945.75	4,967.75	10.08	9.40	161.84	65.28	-501.85	822.24	803.02	19.22	42.778	
5,100.00	5,078.64	5,031.84	5,053.82	10.24	9.51	162.06	65.90	-503.67	836.05	816.58	19.47	42.933	
5,200.00	5,177.89	5,131.46	5,153.39	10.41	9.60	162.36	67.46	-506.20	850.56	830.81	19.76	43.048	
5,300.00	5,277.15	5,230.54	5,252.43	10.58	9.69	162.65	69.05	-508.62	865.01	844.96	20.05	43.143	
5,324.87	5,301.83	5,254.49	5,276.37	10.61	9.71	162.71	69.43	-509.22	868.62	848.51	20.11	43.195	
5,400.00	5,376.46	5,327.24	5,349.09	10.72	9.79	162.93	70.52	-511.17	879.17	858.86	20.32	43.275	
5,500.00	5,475.96	5,426.85	5,448.65	10.89	9.90	163.18	71.94	-513.97	891.88	871.26	20.62	43.250	
5,600.00	5,575.61	5,529.80	5,551.56	11.05	10.03	163.38	73.07	-516.65	902.61	881.68	20.94	43.114	
5,700.00	5,675.40	5,634.60	5,656.33	11.20	10.16	163.54	74.26	-519.03	911.41	890.16	21.25	42.891	
5,800.00	5,775.28	5,748.55	5,770.26	11.35	10.28	163.67	75.06	-520.35	917.34	895.79	21.55	42.567	
5,900.00	5,875.23	5,852.09	5,873.81	11.49	10.35	163.75	75.32	-520.44	920.44	898.64	21.79	42.232	
6,000.00	5,975.22	5,952.68	5,974.40	11.62	10.42	163.79	75.53	-520.52	921.84	899.83	22.01	41.875	
6,024.78	6,000.00	5,977.65	5,999.36	11.63	10.44	-68.65	75.59	-520.51	921.91	899.86	22.05	41.818	
6,100.00	6,075.22	6,051.68	6,073.40	11.66	10.50	-68.65	75.74	-520.56	922.01	899.86	22.15	41.628	
6,200.00	6,175.22	6,152.76	6,174.48	11.72	10.59	-68.64	75.86	-520.69	922.17	899.86	22.31	41.333	
6,300.00	6,275.22	6,254.57	6,276.28	11.78	10.63	-68.64	75.94	-520.64	922.16	899.73	22.42	41.123	
6,338.66	6,313.88	6,292.17	6,313.88	11.81	10.65	-68.64	75.94	-520.62	922.13	899.66	22.47	41.036	
6,400.00	6,375.22	6,353.00	6,374.71	11.85	10.69	-68.63	75.98	-520.67	922.20	899.65	22.55	40.898	
6,500.00	6,475.22	6,450.64	6,472.35	11.91	10.80	-68.63	76.14	-520.88	922.45	899.73	22.73	40.592	
6,600.00	6,575.22	6,550.75	6,572.46	11.97	10.91	-68.63	76.29	-521.17	922.77	899.87	22.91	40.281	
6,700.00	6,675.22	6,653.62	6,675.33	12.03	10.99	-68.63	76.36	-521.27	922.90	899.84	23.06	40.029	
6,800.00	6,775.22	6,753.75	6,775.46	12.09	11.03	-68.62	76.36	-521.23	922.86	899.70	23.16	39.853	
6,813.71	6,788.93	6,767.22	6,788.93	12.10	11.04	-68.63	76.35	-521.23	922.85	899.68	23.17	39.827	
6,900.00	6,875.22	6,852.42	6,874.13	12.16	11.10	-68.64	76.15	-521.38	922.92	899.65	23.27	39.655	
7,000.00	6,975.22	6,951.77	6,973.48	12.22	11.21	-68.67	75.79	-521.66	923.05	899.63	23.42	39.411	
7,100.00	7,075.22	7,051.47	7,073.18	12.28	11.33	-68.69	75.51	-522.04	923.31	899.73	23.58	39.162	
7,200.00	7,175.22	7,152.17	7,173.88	12.35	11.44	-68.74	74.90	-522.43	923.44	899.72	23.72	38.923	
7,300.00	7,275.22	7,251.32	7,273.02	12.41	11.56	-68.80	74.08	-522.97	923.66	899.79	23.87	38.702	
7,400.00	7,375.22	7,352.68	7,374.37	12.47	11.68	-68.85	73.35	-523.47	923.85	899.85	24.01	38.481	
7,500.00	7,475.22	7,454.29	7,475.98	12.54	11.79	-68.91	72.49	-523.78	923.84	899.70	24.14	38.275	
7,589.65	7,564.87	7,543.19	7,564.87	12.60	11.88	-68.96	71.59	-524.06	923.77	899.52	24.25	38.098	
7,600.00	7,575.22	7,553.33	7,575.02	12.60	11.89	-68.97	71.49	-524.10	923.77	899.51	24.26	38.078	
7,700.00	7,675.22	7,652.52	7,674.19	12.67	12.01	-69.04	70.43	-524.60	923.86	899.47	24.39	37.878	
7,800.00	7,775.22	7,753.09	7,774.76	12.73	12.14	-69.13	69.21	-525.17	923.95	899.43	24.52	37.677	
7,900.00	7,875.22	7,855.69	7,877.35	12.80	12.26	-69.21	67.87	-525.59	923.88	899.23	24.65	37.482	
8,000.00	7,975.22	7,958.00	7,979.65	12.86	12.37	-69.30	66.42	-525.75	923.52	898.76	24.76	37.306	
8,100.00	8,075.22	8,056.04	8,077.69	12.93	12.47	-69.38	65.10	-525.85	923.14	898.28	24.86	37.136	
8,200.00	8,175.22	8,157.43	8,179.06	12.99	12.58	-69.46	63.83	-525.96	922.80	897.83	24.96	36.965	
8,300.00	8,275.22	8,258.98	8,280.60	13.06	12.68	-69.54	62.39	-525.96	922.31	897.24	25.06	36.797	
8,400.00	8,375.22	8,361.13	8,382.74	13.12	12.78	-69.63	60.78	-525.76	921.57	896.41	25.16	36.632	
8,500.00	8,475.22	8,459.36	8,480.96	13.19	12.88	-69.71	59.31	-525.52	920.82	895.58	25.25	36.469	
8,600.00	8,575.22	8,553.94	8,575.50	13.25	13.01	-69.87	56.73	-526.08	920.43	895.07	25.36	36.292	
8,604.45	8,579.67	8,557.96	8,579.52	13.26	13.02	-69.88	56.58	-526.13	920.43	895.07	25.37	36.284	
8,700.00	8,675.22	8,644.85	8,666.29	13.32	13.19	-70.17	52.46	-528.12	920.94	895.44	25.50	36.115	
8,800.00	8,775.22	8,739.06	8,760.22	13.39	13.41	-70.61	46.17	-531.68	922.26	896.60	25.66	35.946	
8,900.00	8,875.22	8,835.48	8,856.10	13.45	13.64	-71.22	37.41	-536.58	924.10	898.28	25.82	35.785	
9,000.00	8,975.22	8,931.71	8,951.55	13.52	13.89	-71.97	26.67	-542.48	926.41	900.41	26.00	35.634	
9,100.00	9,075.22	9,027.37	9,046.20	13.59	14.14	-72.81	14.55	-549.12	929.23	903.04	26.18	35.491	
9,200.00	9,175.22	9,121.84	9,139.47	13.66	14.40	-73.71	1.40	-556.48	932.72	906.35	26.38	35.362	
9,300.00	9,275.22	9,214.84	9,230.98	13.72	14.67	-74.70	-13.03	-564.53	936.90	910.31	26.59	35.241	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: REDTAIL FED COM PROJECT - DOLLY PURRTON WC FEDERAL COM 701H - OWB - AWP

Offset Site Error: 3.00 usft

Survey Program: 157-r.5 MWD+IFR1+MS

Offset Well Error: 0.00 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
9,400.00	9,375.22	9,301.45	9,315.86	13.79	14.94	-75.71	-27.88	-573.32	942.43	915.62	26.81	35.150	
9,500.00	9,475.22	9,392.75	9,405.30	13.86	15.23	-76.76	-43.14	-583.44	949.33	922.27	27.06	35.084	
9,600.00	9,575.22	9,492.49	9,503.35	13.93	15.55	-77.77	-57.89	-594.23	956.73	929.41	27.32	35.017	
9,700.00	9,675.22	9,590.47	9,599.88	13.99	15.86	-78.67	-71.03	-604.68	964.52	936.93	27.59	34.959	
9,800.00	9,775.22	9,688.50	9,696.59	14.06	16.20	-79.51	-83.59	-614.71	972.23	944.36	27.87	34.890	
9,900.00	9,875.22	9,780.43	9,786.80	14.13	16.52	-80.44	-97.82	-625.12	980.81	952.64	28.17	34.820	
10,000.00	9,975.22	9,879.36	9,883.48	14.20	16.87	-81.55	-115.15	-636.98	990.08	961.60	28.49	34.757	
10,100.00	10,075.22	9,981.83	9,983.48	14.27	17.24	-82.73	-134.02	-648.92	999.29	970.47	28.81	34.680	SF

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: REDTAIL FED COM PROJECT - DOLLY PURRTON WC FEDERAL COM 702H - DOLLY PURRTON WC FEDERAL COM 702H - AWP

Offset Site Error: 3.00 usft

Survey Program: 157-r.5 MWD+IFR1+MS

Offset Well Error: 0.00 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.00	0.00	0.00	24.00	0.00	3.00	-84.53	49.75	-519.45	522.38				
100.00	100.00	74.86	98.86	0.79	3.06	-84.53	49.80	-519.53	521.91	517.02	4.89	106.681 CC	
200.00	200.00	173.71	197.71	1.45	3.30	-84.51	49.99	-519.86	522.27	516.76	5.50	94.896	
300.00	300.00	274.00	298.00	1.89	3.49	-84.50	50.10	-520.24	522.65	516.63	6.02	86.778	
400.00	400.00	372.93	396.93	2.26	3.68	-84.51	50.04	-520.71	523.12	516.61	6.50	80.445 ES	
500.00	500.00	471.05	495.05	2.57	3.88	-84.52	50.07	-521.45	523.87	516.90	6.98	75.094	
600.00	600.00	570.23	594.22	2.85	4.10	-84.57	49.70	-522.56	524.95	517.51	7.44	70.550	
700.00	700.00	670.07	694.05	3.11	4.31	-84.63	49.20	-523.71	526.05	518.17	7.89	66.706	
800.00	800.00	769.38	793.35	3.35	4.52	-84.72	48.51	-524.96	527.24	518.92	8.32	63.388	
900.00	900.00	870.26	894.21	3.58	4.74	-84.80	47.90	-526.25	528.46	519.71	8.75	60.426	
1,000.00	1,000.00	971.37	995.32	3.79	4.96	-84.90	47.10	-527.32	529.44	520.29	9.15	57.835	
1,100.00	1,100.00	1,072.71	1,096.66	4.00	5.18	-84.97	46.48	-528.14	530.19	520.64	9.55	55.535	
1,200.00	1,200.00	1,171.54	1,195.48	4.19	5.39	-85.06	45.74	-528.95	530.94	521.02	9.93	53.492	
1,300.00	1,300.00	1,271.27	1,295.19	4.38	5.64	-85.18	44.71	-529.91	531.81	521.48	10.33	51.476	
1,400.00	1,400.00	1,369.78	1,393.70	4.56	5.99	-85.30	43.68	-531.02	532.85	522.01	10.85	49.127	
1,500.00	1,500.00	1,473.20	1,497.10	4.74	6.24	-85.38	42.97	-532.18	533.92	522.66	11.27	47.393	
1,600.00	1,600.00	1,578.88	1,602.78	4.91	6.32	-85.30	43.75	-532.08	533.88	522.34	11.54	46.264	
1,700.00	1,700.00	1,679.76	1,703.65	5.08	6.35	-85.13	45.28	-531.26	533.20	521.44	11.76	45.350	
1,800.00	1,800.00	1,780.84	1,804.71	5.24	6.38	-84.94	46.94	-530.34	532.43	520.47	11.96	44.503	
1,900.00	1,900.00	1,880.73	1,904.58	5.40	6.42	-84.76	48.52	-529.31	531.55	519.38	12.17	43.693	
2,000.00	2,000.00	1,981.47	2,005.31	5.56	6.46	-84.58	50.08	-528.23	530.62	518.26	12.37	42.910	
2,040.66	2,040.66	2,023.21	2,047.04	5.64	6.48	147.95	50.74	-527.70	530.42	517.96	12.46	42.574	
2,100.00	2,099.98	2,083.79	2,107.60	5.78	6.51	148.16	51.77	-526.78	530.86	518.26	12.60	42.123	
2,200.00	2,199.84	2,183.53	2,207.31	5.98	6.57	148.62	53.49	-525.22	533.93	521.11	12.82	41.648	
2,300.00	2,299.45	2,285.55	2,309.31	6.18	6.62	149.16	54.28	-523.47	539.79	526.76	13.04	41.409	
2,349.95	2,349.08	2,336.37	2,360.13	6.21	6.64	149.41	53.99	-522.52	543.70	530.61	13.09	41.546	
2,400.00	2,398.76	2,386.61	2,410.35	6.24	6.66	149.68	53.29	-521.54	547.92	534.78	13.14	41.711	
2,500.00	2,498.01	2,486.00	2,509.71	6.36	6.71	150.20	52.00	-519.61	556.38	543.08	13.31	41.816	
2,600.00	2,597.27	2,586.14	2,609.82	6.48	6.78	150.75	51.06	-517.59	564.88	551.40	13.49	41.886	
2,700.00	2,696.52	2,685.70	2,709.36	6.61	6.85	151.29	50.20	-515.39	573.26	559.58	13.68	41.903	
2,800.00	2,795.78	2,780.41	2,804.05	6.74	6.93	151.79	49.39	-513.64	582.04	568.16	13.88	41.922	
2,900.00	2,895.03	2,875.52	2,899.16	6.87	7.02	152.26	48.65	-512.92	591.94	577.84	14.10	41.987	
3,000.00	2,994.29	2,975.31	2,998.93	7.00	7.12	152.73	47.76	-512.34	602.03	587.71	14.32	42.033	
3,100.00	3,093.54	3,074.95	3,098.58	7.14	7.23	153.18	46.87	-511.69	612.10	597.55	14.55	42.061	
3,200.00	3,192.80	3,175.21	3,198.82	7.28	7.34	153.63	46.03	-510.96	622.15	607.36	14.79	42.062	
3,300.00	3,292.05	3,276.39	3,300.00	7.42	7.46	154.07	45.14	-510.01	632.00	616.96	15.04	42.027	
3,400.00	3,391.31	3,378.54	3,402.13	7.57	7.59	154.49	44.16	-508.69	641.54	626.25	15.30	41.944	
3,500.00	3,490.56	3,494.00	3,517.53	7.71	7.79	154.85	41.56	-506.00	649.85	634.24	15.60	41.648	
3,600.00	3,589.82	3,593.83	3,617.24	7.86	7.95	155.10	38.38	-502.48	656.78	640.89	15.88	41.347	
3,700.00	3,689.07	3,694.99	3,718.27	8.01	8.13	155.29	34.53	-498.93	663.60	647.42	16.18	41.020	
3,800.00	3,788.32	3,796.97	3,820.04	8.16	8.32	155.35	29.04	-495.31	670.03	653.56	16.47	40.671	
3,900.00	3,887.58	3,893.88	3,916.73	8.31	8.52	155.37	23.47	-492.16	676.66	659.89	16.77	40.352	
4,000.00	3,986.83	3,994.38	4,017.02	8.47	8.73	155.38	17.63	-489.05	683.44	666.37	17.07	40.034	
4,100.00	4,086.09	4,098.59	4,120.98	8.62	8.97	155.37	11.34	-485.52	689.89	672.50	17.39	39.676	
4,200.00	4,185.34	4,204.15	4,226.21	8.78	9.22	155.32	4.20	-481.18	695.45	677.74	17.72	39.253	
4,300.00	4,284.60	4,304.94	4,326.61	8.94	9.47	155.22	-3.36	-476.69	700.52	682.48	18.05	38.816	
4,400.00	4,383.85	4,401.77	4,423.12	9.10	9.72	155.18	-9.87	-472.38	705.78	687.40	18.38	38.398	
4,500.00	4,483.11	4,499.36	4,520.48	9.26	9.98	155.25	-15.17	-468.22	711.51	692.78	18.73	37.997	
4,600.00	4,582.36	4,595.38	4,616.28	9.42	10.23	155.29	-20.43	-464.45	717.55	698.48	19.07	37.630	
4,700.00	4,681.62	4,689.77	4,710.48	9.58	10.48	155.34	-25.53	-461.40	724.28	704.88	19.40	37.329	
4,800.00	4,780.87	4,788.89	4,809.43	9.75	10.75	155.38	-30.74	-458.70	731.55	711.81	19.74	37.053	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: REDTAIL FED COM PROJECT - DOLLY PURRTON WC FEDERAL COM 702H - DOLLY PURRTON WC FEDERAL COM 702H - AWP

Offset Site Error: 3.00 usft

Survey Program: 157-r.5 MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
4,900.00	4,880.13	4,889.20	4,909.56	9.91	11.02	155.42	-36.15	-455.88	738.69	718.60	20.09	36.772	
5,000.00	4,979.38	4,986.63	5,006.82	10.08	11.29	155.46	-41.20	-453.19	745.94	725.50	20.43	36.511	
5,100.00	5,078.64	5,089.66	5,109.66	10.24	11.58	155.50	-46.67	-450.41	753.21	732.43	20.79	36.234	
5,200.00	5,177.89	5,179.00	5,198.86	10.41	11.83	155.55	-51.19	-448.25	760.83	739.72	21.11	36.040	
5,300.00	5,277.15	5,273.60	5,293.37	10.58	12.08	155.64	-55.15	-446.88	769.58	748.14	21.43	35.908	
5,324.87	5,301.83	5,299.13	5,318.87	10.61	12.15	155.67	-56.13	-446.56	771.82	750.31	21.50	35.892	
5,400.00	5,376.46	5,381.28	5,400.93	10.72	12.38	155.75	-59.70	-445.14	777.72	755.96	21.76	35.745	
5,500.00	5,475.96	5,486.65	5,506.13	10.89	12.69	155.75	-65.17	-442.65	783.36	761.24	22.12	35.421	
5,600.00	5,575.61	5,591.28	5,610.57	11.05	13.00	155.69	-70.59	-439.51	786.81	764.32	22.48	34.998	
5,700.00	5,675.40	5,695.72	5,714.82	11.20	13.31	155.62	-75.50	-435.44	787.88	765.02	22.86	34.464	
5,800.00	5,775.28	5,794.40	5,813.32	11.35	13.61	155.49	-80.13	-431.62	787.41	764.19	23.22	33.906	
5,900.00	5,875.23	5,895.92	5,914.64	11.49	13.92	155.30	-84.95	-427.56	785.22	761.64	23.58	33.298	
6,000.00	5,975.22	5,998.25	6,016.76	11.62	14.24	155.04	-89.88	-423.34	781.32	757.39	23.93	32.651	
6,024.78	6,000.00	6,024.25	6,042.71	11.63	14.32	-77.48	-91.12	-422.18	780.03	756.03	24.00	32.505	
6,100.00	6,075.22	6,099.44	6,117.74	11.66	14.56	-77.68	-94.73	-418.72	775.86	751.66	24.20	32.060	
6,200.00	6,175.22	6,198.76	6,216.84	11.72	14.87	-77.97	-99.61	-414.27	770.45	745.96	24.49	31.466	
6,300.00	6,275.22	6,299.86	6,317.70	11.78	15.19	-78.27	-104.69	-409.71	765.00	740.22	24.77	30.879	
6,400.00	6,375.22	6,400.54	6,418.14	11.85	15.52	-78.59	-109.97	-405.02	759.37	734.31	25.06	30.298	
6,500.00	6,475.22	6,497.14	6,514.51	11.91	15.83	-78.88	-114.82	-400.59	753.89	728.55	25.34	29.750	
6,600.00	6,575.22	6,586.91	6,604.12	11.97	16.12	-79.16	-119.20	-397.21	749.27	723.69	25.58	29.291	
6,700.00	6,675.22	6,685.22	6,702.27	12.03	16.43	-79.48	-123.98	-394.56	745.71	719.89	25.82	28.881	
6,800.00	6,775.22	6,786.77	6,803.65	12.09	16.76	-79.83	-129.12	-391.64	741.98	715.91	26.07	28.466	
6,900.00	6,875.22	6,886.05	6,902.75	12.16	17.08	-80.18	-134.15	-388.70	738.18	711.87	26.31	28.062	
7,000.00	6,975.22	6,989.79	7,006.31	12.22	17.41	-80.54	-139.45	-385.45	734.23	707.67	26.56	27.645	
7,100.00	7,075.22	7,092.44	7,108.78	12.28	17.75	-80.86	-144.18	-381.62	729.79	702.96	26.84	27.194	
7,200.00	7,175.22	7,190.55	7,206.72	12.35	18.06	-81.16	-148.62	-377.90	725.34	698.24	27.10	26.761	
7,300.00	7,275.22	7,291.40	7,307.38	12.41	18.40	-81.48	-153.36	-374.13	720.93	693.56	27.37	26.337	
7,400.00	7,375.22	7,390.78	7,406.59	12.47	18.72	-81.79	-157.81	-370.31	716.47	688.83	27.64	25.919	
7,500.00	7,475.22	7,488.25	7,503.91	12.54	19.04	-82.09	-162.06	-366.82	712.31	684.41	27.90	25.528	
7,600.00	7,575.22	7,588.75	7,604.25	12.60	19.36	-82.39	-166.23	-363.29	708.27	680.10	28.17	25.140	
7,700.00	7,675.22	7,689.41	7,704.76	12.67	19.69	-82.69	-170.50	-359.60	704.08	675.64	28.44	24.754	
7,800.00	7,775.22	7,789.49	7,804.69	12.73	20.01	-82.98	-174.57	-355.92	699.92	671.21	28.72	24.373	
7,900.00	7,875.22	7,892.14	7,907.18	12.80	20.35	-83.27	-178.62	-351.90	695.56	666.56	29.00	23.982	
8,000.00	7,975.22	7,995.27	8,010.08	12.86	20.69	-83.66	-183.84	-347.48	690.72	661.44	29.27	23.594	
8,100.00	8,075.22	8,095.98	8,110.55	12.93	21.04	-84.06	-189.16	-342.84	685.57	656.04	29.54	23.211	
8,200.00	8,175.22	8,195.69	8,210.01	12.99	21.38	-84.45	-194.28	-338.22	680.44	650.64	29.80	22.836	
8,300.00	8,275.22	8,295.33	8,309.41	13.06	21.73	-84.85	-199.44	-333.62	675.35	645.30	30.05	22.472	
8,400.00	8,375.22	8,394.94	8,408.79	13.12	22.07	-85.25	-204.54	-329.03	670.32	640.01	30.31	22.118	
8,500.00	8,475.22	8,493.53	8,507.16	13.19	22.41	-85.64	-209.44	-324.56	665.40	634.85	30.55	21.778	
8,600.00	8,575.22	8,592.77	8,606.19	13.25	22.75	-86.03	-214.28	-320.21	660.66	629.86	30.80	21.450	
8,700.00	8,675.22	8,692.27	8,705.47	13.32	23.09	-86.42	-219.12	-315.90	656.02	624.97	31.04	21.133	
8,800.00	8,775.22	8,791.58	8,804.56	13.39	23.44	-86.85	-224.23	-311.66	651.45	620.19	31.27	20.834	
8,900.00	8,875.22	8,889.13	8,901.90	13.45	23.78	-87.27	-229.18	-307.71	647.14	615.65	31.50	20.547	
9,000.00	8,975.22	8,989.92	9,002.49	13.52	24.13	-87.70	-234.18	-303.76	643.00	611.29	31.72	20.273	
9,100.00	9,075.22	9,090.80	9,103.17	13.59	24.48	-88.12	-239.05	-299.59	638.69	606.75	31.94	19.997	
9,200.00	9,175.22	9,190.66	9,202.84	13.66	24.82	-88.50	-243.37	-295.36	634.33	602.15	32.18	19.714	
9,300.00	9,275.22	9,292.21	9,304.21	13.72	25.16	-88.87	-247.61	-290.91	629.84	597.41	32.43	19.423	
9,400.00	9,375.22	9,393.35	9,405.16	13.79	25.49	-89.23	-251.56	-286.26	625.18	592.49	32.69	19.126	
9,500.00	9,475.22	9,495.22	9,506.85	13.86	25.82	-89.52	-254.77	-281.13	620.10	587.12	32.99	18.799	
9,600.00	9,575.22	9,590.26	9,601.76	13.93	26.09	-89.70	-256.77	-276.67	615.40	582.11	33.28	18.489	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: REDTAIL FED COM PROJECT - DOLLY PURRTON WC FEDERAL COM 702H - DOLLY PURRTON WC FEDERAL COM 702H - AWP

Offset Site Error: 3.00 usft

Survey Program: 157-r.5 MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Rule Assigned: No-Go Distance (usft)	Separation Factor	Warning
9,700.00	9,675.22	9,684.46	9,695.89	13.99	26.33	-89.78	-257.68	-272.99	611.49	577.89	33.60	18.200	
9,800.00	9,775.22	9,777.23	9,788.62	14.06	26.54	-89.84	-258.28	-270.49	608.79	574.89	33.90	17.960	
9,900.00	9,875.22	9,876.49	9,887.86	14.13	26.77	-89.89	-258.84	-268.48	606.76	572.55	34.21	17.735	
10,000.00	9,975.22	9,978.76	9,990.10	14.20	27.01	-89.95	-259.46	-266.04	604.37	569.82	34.55	17.495	
10,100.00	10,075.22	10,077.94	10,089.25	14.27	27.26	-90.05	-260.48	-263.71	602.02	567.17	34.85	17.275	
10,200.00	10,175.22	10,179.89	10,191.15	14.34	27.55	-90.21	-262.22	-261.22	599.58	564.45	35.14	17.064	
10,247.32	10,222.54	10,228.73	10,239.96	14.35	27.69	-90.32	-263.35	-259.85	598.26	563.01	35.25	16.970	
10,250.00	10,225.22	10,231.42	10,242.65	14.35	27.70	-89.96	-263.42	-259.78	598.18	562.92	35.27	16.962	
10,275.00	10,250.21	10,256.49	10,267.69	14.37	27.78	-90.18	-264.07	-259.04	597.46	562.15	35.30	16.925	
10,300.00	10,275.12	10,281.43	10,292.62	14.38	27.86	-90.54	-264.77	-258.30	596.73	561.44	35.29	16.909 SF	
10,325.00	10,299.88	10,306.18	10,317.35	14.38	27.94	-91.02	-265.50	-257.56	596.04	560.80	35.24	16.914	
10,350.00	10,324.43	10,330.79	10,341.93	14.39	28.02	-91.61	-266.27	-256.82	595.40	560.26	35.15	16.940	
10,375.00	10,348.71	10,355.28	10,366.40	14.40	28.10	-92.32	-267.10	-256.07	594.85	559.84	35.02	16.988	
10,400.00	10,372.63	10,379.33	10,390.42	14.41	28.17	-93.13	-267.98	-255.31	594.44	559.59	34.84	17.061	
10,425.00	10,396.15	10,402.86	10,413.92	14.41	28.25	-94.01	-268.90	-254.55	594.20	559.58	34.63	17.160	
10,436.48	10,406.79	10,413.48	10,424.52	14.42	28.29	-94.44	-269.34	-254.20	594.17	559.66	34.51	17.215	
10,450.00	10,419.19	10,425.36	10,436.39	14.42	28.32	-94.93	-269.83	-253.81	594.22	559.85	34.37	17.289	
10,475.00	10,441.69	10,446.68	10,457.67	14.43	28.40	-95.86	-270.70	-253.12	594.58	560.51	34.07	17.451	
10,500.00	10,463.59	10,467.39	10,478.36	14.45	28.46	-96.80	-271.54	-252.49	595.36	561.62	33.74	17.644	
10,525.00	10,484.83	10,487.44	10,498.39	14.46	28.53	-97.73	-272.32	-251.89	596.63	563.24	33.38	17.872	
10,550.00	10,505.35	10,506.78	10,517.70	14.47	28.59	-98.63	-273.07	-251.34	598.44	565.44	33.00	18.136	
10,575.00	10,525.10	10,525.62	10,536.53	14.48	28.66	-99.49	-273.78	-250.83	600.86	568.27	32.59	18.437	
10,600.00	10,544.01	10,543.72	10,554.61	14.50	28.71	-100.30	-274.45	-250.34	603.94	571.78	32.16	18.776	
10,625.00	10,562.05	10,560.93	10,571.80	14.51	28.77	-101.01	-275.08	-249.89	607.75	576.02	31.73	19.153	
10,650.00	10,579.15	10,577.22	10,588.07	14.53	28.82	-101.62	-275.66	-249.46	612.34	581.05	31.29	19.567	
10,675.00	10,595.28	10,592.53	10,603.37	14.55	28.87	-102.10	-276.20	-249.07	617.76	586.89	30.86	20.016	
10,700.00	10,610.39	10,606.00	10,616.83	14.57	28.91	-102.37	-276.66	-248.73	624.04	593.60	30.44	20.499	
10,725.00	10,624.43	10,619.69	10,630.50	14.58	28.96	-102.58	-277.13	-248.39	631.21	601.17	30.04	21.012	
10,750.00	10,637.37	10,631.47	10,642.28	14.60	28.99	-102.54	-277.54	-248.11	639.31	609.65	29.67	21.551	
10,775.00	10,649.18	10,642.13	10,652.92	14.62	29.03	-102.30	-277.91	-247.86	648.33	619.01	29.32	22.111	
10,800.00	10,659.81	10,651.62	10,662.40	14.65	29.06	-101.85	-278.25	-247.64	658.27	629.26	29.02	22.686	
10,825.00	10,669.25	10,659.93	10,670.70	14.67	29.08	-101.17	-278.54	-247.45	669.12	640.37	28.75	23.271	
10,850.00	10,677.46	10,667.03	10,677.80	14.69	29.11	-100.24	-278.80	-247.29	680.84	652.31	28.53	23.862	
10,875.00	10,684.42	10,672.91	10,683.67	14.71	29.13	-99.07	-279.01	-247.16	693.41	665.05	28.36	24.453	
10,900.00	10,690.12	10,677.55	10,688.31	14.74	29.14	-97.63	-279.18	-247.06	706.76	678.54	28.22	25.041	
10,925.00	10,694.54	10,680.94	10,691.70	14.76	29.15	-95.92	-279.30	-246.99	720.85	692.72	28.13	25.622	
10,950.00	10,697.66	10,683.08	10,693.83	14.79	29.16	-93.94	-279.38	-246.94	735.63	707.54	28.08	26.195	
10,975.00	10,699.48	10,683.96	10,694.71	14.82	29.16	-91.69	-279.41	-246.92	751.00	722.94	28.07	26.757	
10,997.32	10,700.01	10,683.68	10,694.43	14.84	29.16	-89.45	-279.40	-246.93	765.19	737.11	28.08	27.249	
11,000.00	10,700.01	10,683.58	10,694.34	14.85	29.16	-89.45	-279.39	-246.93	766.92	738.83	28.08	27.308	
11,100.00	10,700.01	10,680.09	10,690.85	14.99	29.15	-89.10	-279.27	-247.01	835.03	806.62	28.41	29.392	
11,200.00	10,700.01	10,676.62	10,687.38	15.18	29.14	-88.76	-279.14	-247.08	909.05	880.07	28.99	31.361	
11,300.00	10,700.01	10,673.17	10,683.93	15.41	29.13	-88.43	-279.02	-247.16	987.65	957.98	29.67	33.291	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: REDTAIL FED COM PROJECT - DOLLY PURRTON WC FEDERAL COM 703H - DOLLY PURRTON WC FEDERAL COM 703H - AWP

Offset Site Error: 3.00 usft

Survey Program: 157-r.5 MWD+IFR1+MS

Offset Well Error: 0.00 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.00	0.00	0.00	24.00	0.00	3.00	-87.82	19.75	-519.45	520.38				
100.00	100.00	76.66	100.66	0.79	3.07	-87.83	19.70	-519.40	519.78	514.88	4.90	106.162	
200.00	200.00	177.62	201.62	1.45	3.30	-87.85	19.52	-519.19	519.56	514.05	5.51	94.274	
300.00	300.00	277.94	301.94	1.89	3.50	-87.85	19.45	-518.79	519.15	513.13	6.03	86.129	
400.00	400.00	376.52	400.51	2.26	3.68	-87.85	19.49	-518.58	518.94	512.45	6.50	79.878	
500.00	500.00	476.38	500.37	2.57	3.86	-87.84	19.54	-518.52	518.89	511.94	6.94	74.733	
581.85	581.85	557.85	581.85	2.80	3.99	-87.86	19.39	-518.47	518.83	511.54	7.28	71.225	
600.00	600.00	575.76	599.76	2.85	4.02	-87.86	19.37	-518.47	518.83	511.48	7.36	70.519	
700.00	700.00	676.99	700.99	3.11	4.18	-87.86	19.37	-518.48	518.84	511.09	7.75	66.958	
800.00	800.00	778.47	802.47	3.35	4.36	-87.87	19.31	-518.12	518.49	510.34	8.14	63.666	
900.00	900.00	878.18	902.18	3.58	4.53	-87.88	19.17	-517.66	518.02	509.49	8.53	60.705	
1,000.00	1,000.00	979.36	1,003.35	3.79	4.72	-87.91	18.84	-517.13	517.49	508.57	8.92	58.045	
1,100.00	1,100.00	1,077.46	1,101.45	4.00	4.89	-87.94	18.60	-516.71	517.05	507.77	9.28	55.714	
1,200.00	1,200.00	1,177.84	1,201.83	4.19	5.08	-87.95	18.48	-516.38	516.72	507.07	9.65	53.550	
1,300.00	1,300.00	1,277.78	1,301.77	4.38	5.31	-87.98	18.21	-516.06	516.38	506.32	10.06	51.339	
1,400.00	1,400.00	1,379.42	1,403.40	4.56	5.68	-88.03	17.77	-515.56	515.88	505.27	10.61	48.611	
1,500.00	1,500.00	1,480.06	1,504.04	4.74	5.98	-88.08	17.27	-514.80	515.10	504.03	11.08	46.499	
1,600.00	1,600.00	1,579.56	1,603.54	4.91	6.17	-88.12	16.87	-514.08	514.37	502.95	11.42	45.041	
1,700.00	1,700.00	1,679.85	1,703.83	5.08	6.36	-88.16	16.45	-513.41	513.68	501.92	11.76	43.672	
1,800.00	1,800.00	1,779.70	1,803.67	5.24	6.56	-88.23	15.88	-512.66	512.92	500.82	12.09	42.410	
1,900.00	1,900.00	1,878.12	1,902.09	5.40	6.74	-88.35	14.75	-512.11	512.33	499.93	12.40	41.332	
2,000.00	2,000.00	1,979.74	2,003.70	5.56	6.92	-88.47	13.69	-511.67	511.87	499.17	12.70	40.318	
2,028.62	2,028.62	2,008.80	2,032.75	5.62	6.98	143.96	13.44	-511.45	511.76	498.96	12.79	40.010	
2,100.00	2,099.98	2,077.57	2,101.52	5.78	7.11	143.98	12.78	-511.08	512.66	499.64	13.02	39.372	
2,200.00	2,199.84	2,175.66	2,199.61	5.98	7.26	144.17	11.92	-511.02	516.80	503.51	13.29	38.879	
2,300.00	2,299.45	2,269.34	2,293.29	6.18	7.33	144.58	11.75	-511.53	524.44	510.93	13.50	38.833	
2,349.95	2,349.08	2,318.37	2,342.31	6.21	7.34	144.88	11.85	-512.17	529.72	516.18	13.54	39.109	
2,400.00	2,398.76	2,369.05	2,392.99	6.24	7.33	145.28	12.02	-512.76	535.32	521.75	13.58	39.434	
2,500.00	2,498.01	2,468.66	2,492.60	6.36	7.33	146.04	12.39	-513.75	546.42	532.71	13.71	39.851	
2,600.00	2,597.27	2,565.52	2,589.45	6.48	7.34	146.76	12.82	-514.87	557.77	543.92	13.85	40.269	
2,700.00	2,696.52	2,666.14	2,690.05	6.61	7.34	147.52	13.75	-516.08	569.31	555.30	14.01	40.643	
2,800.00	2,795.78	2,764.93	2,788.83	6.74	7.35	148.25	14.71	-517.14	580.80	566.63	14.17	40.980	
2,900.00	2,895.03	2,863.18	2,887.07	6.87	7.37	148.97	15.93	-518.34	592.58	578.23	14.35	41.304	
3,000.00	2,994.29	2,974.67	2,998.55	7.00	7.46	149.69	16.53	-518.61	603.38	588.79	14.59	41.342	
3,100.00	3,093.54	3,080.51	3,104.38	7.14	7.63	150.24	15.65	-517.15	612.46	597.58	14.88	41.153	
3,200.00	3,192.80	3,179.56	3,203.41	7.28	7.79	150.72	14.68	-515.61	621.41	606.24	15.17	40.956	
3,300.00	3,292.05	3,281.00	3,304.84	7.42	7.97	151.22	13.84	-513.85	630.25	614.77	15.48	40.719	
3,400.00	3,391.31	3,394.44	3,418.23	7.57	8.19	151.79	13.01	-510.78	638.25	622.41	15.84	40.286	
3,500.00	3,490.56	3,518.89	3,542.43	7.71	8.49	152.34	10.73	-503.44	642.92	626.65	16.28	39.500	
3,600.00	3,589.82	3,632.70	3,655.77	7.86	8.76	152.87	8.54	-493.35	644.70	628.02	16.68	38.646	
3,700.00	3,689.07	3,744.50	3,766.84	8.01	9.05	153.42	6.16	-480.80	644.10	626.99	17.12	37.628	
3,800.00	3,788.32	3,849.78	3,871.28	8.16	9.34	153.76	1.78	-468.40	642.66	625.11	17.55	36.619	
3,900.00	3,887.58	3,949.57	3,970.15	8.31	9.63	153.93	-4.22	-456.18	640.39	622.41	17.99	35.604	
4,000.00	3,986.83	4,045.48	4,065.24	8.47	9.92	154.09	-9.89	-445.08	638.81	620.38	18.43	34.664	
4,100.00	4,086.09	4,147.72	4,166.66	8.62	10.23	154.30	-15.44	-433.37	637.46	618.56	18.89	33.741	
4,200.00	4,185.34	4,251.19	4,269.19	8.78	10.56	154.47	-21.75	-421.00	635.48	616.10	19.37	32.805	
4,300.00	4,284.60	4,348.41	4,365.50	8.94	10.88	154.59	-28.03	-409.35	633.39	613.55	19.85	31.912	
4,400.00	4,383.85	4,447.59	4,463.82	9.10	11.21	154.73	-34.25	-397.83	631.72	611.39	20.34	31.065	
4,500.00	4,483.11	4,543.26	4,558.70	9.26	11.53	154.89	-39.92	-386.96	630.37	609.55	20.82	30.273	
4,600.00	4,582.36	4,644.10	4,658.77	9.42	11.87	155.14	-44.90	-375.65	629.39	608.06	21.33	29.501	
4,680.50	4,662.26	4,717.76	4,731.92	9.55	12.12	155.35	-48.19	-367.60	628.93	607.19	21.73	28.940	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: REDTAIL FED COM PROJECT - DOLLY PURRTON WC FEDERAL COM 703H - DOLLY PURRTON WC FEDERAL COM 703H - AWP

Offset Site Error: 3.00 usft

Survey Program: 157-r.5 MWD+IFR1+MS

Offset Well Error: 0.00 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
4,700.00	4,681.62	4,735.50	4,749.55	9.58	12.18	155.41	-48.91	-365.77	628.95	607.13	21.83	28.814	
4,800.00	4,780.87	4,831.77	4,845.29	9.75	12.50	155.76	-52.22	-356.18	629.57	607.23	22.34	28.185	
4,900.00	4,880.13	4,931.00	4,944.00	9.91	12.83	156.19	-54.77	-346.44	630.56	607.70	22.86	27.585	
5,000.00	4,979.38	5,038.55	5,050.93	10.08	13.20	156.64	-57.76	-335.36	631.07	607.65	23.42	26.949	
5,100.00	5,078.64	5,148.68	5,160.22	10.24	13.59	157.06	-61.83	-322.41	629.94	605.94	24.00	26.249	
5,200.00	5,177.89	5,250.05	5,260.71	10.41	13.96	157.44	-65.76	-309.69	628.05	603.48	24.56	25.567	
5,300.00	5,277.15	5,349.23	5,359.04	10.58	14.32	157.83	-69.45	-297.17	626.14	601.01	25.13	24.915	
5,324.87	5,301.83	5,373.74	5,383.33	10.61	14.42	157.93	-70.36	-294.11	625.70	600.44	25.26	24.769	
5,400.00	5,376.46	5,447.27	5,456.25	10.72	14.69	158.21	-72.96	-284.97	624.02	598.34	25.68	24.304	
5,500.00	5,475.96	5,546.38	5,554.56	10.89	15.05	158.59	-75.81	-272.74	620.65	594.41	26.24	23.650	
5,600.00	5,575.61	5,646.96	5,654.32	11.05	15.43	158.94	-78.55	-260.20	615.60	588.79	26.82	22.957	
5,700.00	5,675.40	5,744.07	5,750.64	11.20	15.79	159.18	-81.49	-248.23	609.01	581.64	27.37	22.251	
5,800.00	5,775.28	5,839.47	5,845.34	11.35	16.14	159.42	-83.70	-236.96	601.48	573.57	27.91	21.550	
5,900.00	5,875.23	5,941.99	5,947.15	11.49	16.52	159.60	-86.13	-225.18	592.65	564.18	28.47	20.817	
6,000.00	5,975.22	6,046.38	6,050.71	11.62	16.92	159.61	-89.99	-212.59	581.26	552.23	29.03	20.023	
6,024.78	6,000.00	6,071.62	6,075.74	11.63	17.02	-72.87	-91.16	-209.50	578.07	548.92	29.15	19.831	
6,100.00	6,075.22	6,144.47	6,147.97	11.66	17.30	-72.91	-94.40	-200.63	568.33	538.82	29.51	19.261	
6,200.00	6,175.22	6,244.66	6,247.33	11.72	17.69	-72.97	-98.69	-188.49	555.48	525.47	30.01	18.511	
6,300.00	6,275.22	6,343.31	6,345.15	11.78	18.08	-73.02	-102.92	-176.42	542.53	512.02	30.51	17.782	
6,400.00	6,375.22	6,439.55	6,440.61	11.85	18.46	-73.04	-106.61	-164.83	529.90	498.89	31.00	17.091	
6,500.00	6,475.22	6,540.59	6,540.87	11.91	18.85	-73.07	-110.52	-152.83	517.41	485.89	31.52	16.416	
6,600.00	6,575.22	6,638.27	6,637.77	11.97	19.24	-73.08	-114.22	-141.16	504.88	472.85	32.02	15.765	
6,700.00	6,675.22	6,737.27	6,736.02	12.03	19.62	-73.08	-117.79	-129.49	492.55	460.01	32.54	15.138	
6,800.00	6,775.22	6,840.11	6,838.01	12.09	20.03	-73.21	-122.59	-117.22	479.78	446.71	33.07	14.510	
6,900.00	6,875.22	6,939.60	6,936.61	12.16	20.43	-73.51	-128.70	-105.44	466.66	433.08	33.58	13.898	
7,000.00	6,975.22	7,038.91	7,035.01	12.22	20.83	-73.85	-134.94	-93.59	453.45	419.36	34.09	13.301	
7,100.00	7,075.22	7,135.98	7,131.22	12.28	21.22	-74.20	-141.06	-82.22	440.44	405.85	34.59	12.733	
7,200.00	7,175.22	7,231.80	7,226.26	12.35	21.60	-74.60	-147.12	-71.69	428.15	393.07	35.08	12.206	
7,300.00	7,275.22	7,328.89	7,322.66	12.41	21.99	-75.00	-152.90	-61.57	416.52	380.96	35.56	11.712	
7,400.00	7,375.22	7,425.74	7,418.85	12.47	22.37	-75.42	-158.58	-51.89	405.36	369.32	36.04	11.248	
7,500.00	7,475.22	7,523.08	7,515.63	12.54	22.74	-75.87	-164.05	-42.96	395.07	358.56	36.51	10.822	
7,600.00	7,575.22	7,624.87	7,616.81	12.60	23.14	-76.27	-169.27	-33.20	384.52	347.52	37.00	10.391	
7,700.00	7,675.22	7,724.07	7,715.40	12.67	23.53	-76.60	-173.90	-23.17	373.60	336.10	37.50	9.963	
7,800.00	7,775.22	7,825.72	7,816.43	12.73	23.93	-76.90	-178.32	-12.97	362.84	324.83	38.01	9.546	
7,900.00	7,875.22	7,926.68	7,916.66	12.80	24.33	-77.24	-183.03	-1.81	351.01	312.49	38.52	9.112	
8,000.00	7,975.22	8,026.08	8,015.36	12.86	24.73	-77.56	-187.42	9.19	339.25	300.22	39.03	8.691	
8,100.00	8,075.22	8,125.93	8,114.48	12.93	25.14	-77.89	-191.83	20.40	327.34	287.79	39.55	8.277	
8,200.00	8,175.22	8,225.98	8,213.77	12.99	25.54	-78.29	-196.49	31.79	315.23	275.18	40.06	7.870	
8,300.00	8,275.22	8,326.87	8,313.84	13.06	25.95	-78.76	-201.45	43.62	302.76	262.20	40.57	7.464	
8,400.00	8,375.22	8,425.15	8,411.29	13.12	26.36	-79.26	-206.35	55.33	290.12	249.06	41.06	7.066	
8,500.00	8,475.22	8,522.73	8,508.12	13.19	26.76	-79.81	-211.17	66.48	277.97	236.44	41.53	6.693	
8,600.00	8,575.22	8,622.24	8,606.89	13.25	27.16	-80.37	-215.78	77.64	266.13	224.11	42.02	6.334	
8,700.00	8,675.22	8,723.00	8,706.88	13.32	27.57	-80.89	-220.10	89.40	253.91	211.39	42.51	5.972	
8,800.00	8,775.22	8,821.12	8,804.23	13.39	27.97	-81.48	-224.44	100.81	241.74	198.75	42.98	5.624	
8,900.00	8,875.22	8,921.87	8,904.16	13.45	28.39	-82.19	-229.09	112.78	229.31	185.86	43.45	5.277	
9,000.00	8,975.22	9,019.51	9,001.03	13.52	28.79	-82.89	-233.30	124.25	217.10	173.20	43.90	4.946	
9,100.00	9,075.22	9,118.37	9,099.17	13.59	29.19	-83.60	-237.26	135.48	205.34	161.00	44.34	4.631	
9,200.00	9,175.22	9,217.58	9,197.68	13.66	29.59	-84.27	-240.78	146.70	193.71	148.93	44.78	4.326	
9,300.00	9,275.22	9,316.94	9,296.36	13.72	29.99	-84.84	-243.73	157.97	182.14	136.90	45.24	4.026	
9,400.00	9,375.22	9,416.93	9,395.64	13.79	30.40	-85.49	-246.68	169.48	170.42	124.73	45.69	3.730	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: REDTAIL FED COM PROJECT - DOLLY PURRTON WC FEDERAL COM 703H - DOLLY PURRTON WC FEDERAL COM 703H - AWP

Offset Site Error: 3.00 usft

Survey Program: 157-r.5 MWD+IFR1+MS

Offset Well Error: 0.00 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
9,500.00	9,475.22	9,515.39	9,493.34	13.86	30.80	-86.43	-250.21	181.12	158.37	112.30	46.07	3.437	
9,600.00	9,575.22	9,612.64	9,590.03	13.93	31.18	-87.18	-252.77	191.27	147.80	101.34	46.46	3.181	
9,700.00	9,675.22	9,712.71	9,689.59	13.99	31.57	-87.73	-254.56	201.15	137.86	90.96	46.90	2.940	Normal Operations
9,800.00	9,775.22	9,812.63	9,788.90	14.06	31.96	-88.48	-256.65	211.89	127.03	79.74	47.30	2.686	Normal Operations
9,900.00	9,875.22	9,911.32	9,887.03	14.13	32.35	-89.51	-259.00	222.20	116.55	68.93	47.62	2.448	Caution - Monitor Closely
10,000.00	9,975.22	10,011.84	9,986.98	14.20	32.75	-90.86	-261.59	232.58	106.23	58.35	47.88	2.219	Caution - Monitor Closely
10,100.00	10,075.22	10,112.25	10,086.63	14.27	33.17	-93.14	-265.15	244.42	94.56	46.66	47.91	1.974	Caution - Monitor Closely
10,200.00	10,175.22	10,211.87	10,185.33	14.34	33.59	-96.83	-269.71	257.01	82.33	34.85	47.49	1.734	Caution - Monitor Closely
10,247.32	10,222.54	10,258.55	10,231.57	14.35	33.78	-99.16	-272.11	263.04	76.61	29.56	47.05	1.628	Caution - Monitor Closely
10,250.00	10,225.22	10,261.19	10,234.18	14.35	33.79	-98.96	-272.24	263.38	76.29	29.26	47.03	1.622	Caution - Monitor Closely
10,275.00	10,250.21	10,285.75	10,258.51	14.37	33.90	-101.20	-273.42	266.46	73.55	26.99	46.56	1.580	Caution - Monitor Closely
10,300.00	10,275.12	10,310.20	10,282.75	14.38	34.00	-104.44	-274.53	269.46	71.25	25.57	45.68	1.560	Caution - Monitor Closely, SF
10,325.00	10,299.88	10,334.57	10,306.92	14.38	34.10	-108.71	-275.58	272.40	69.61	25.29	44.32	1.571	Caution - Monitor Closely, ES
10,350.00	10,324.43	10,358.76	10,330.91	14.39	34.20	-113.95	-276.61	275.32	68.86	26.45	42.41	1.624	Caution - Monitor Closely
10,353.80	10,328.14	10,362.41	10,334.53	14.39	34.22	-114.81	-276.77	275.77	68.85	26.78	42.07	1.637	Caution - Monitor Closely, CC
10,375.00	10,348.71	10,382.61	10,354.57	14.40	34.30	-119.91	-277.63	278.22	69.35	29.37	39.98	1.735	Caution - Monitor Closely
10,400.00	10,372.63	10,406.07	10,377.83	14.41	34.40	-126.25	-278.62	281.09	71.41	34.17	37.23	1.918	Caution - Monitor Closely
10,425.00	10,396.15	10,429.05	10,400.61	14.41	34.50	-132.60	-279.60	283.91	75.31	40.78	34.53	2.181	Caution - Monitor Closely
10,450.00	10,419.19	10,451.50	10,422.88	14.42	34.59	-138.60	-280.55	286.67	81.20	48.95	32.26	2.517	Normal Operations
10,475.00	10,441.69	10,473.37	10,444.56	14.43	34.68	-144.03	-281.47	289.36	89.10	58.43	30.66	2.906	Normal Operations
10,500.00	10,463.59	10,494.59	10,465.60	14.45	34.77	-148.79	-282.35	291.99	98.90	69.12	29.78	3.321	
10,525.00	10,484.83	10,515.13	10,485.96	14.46	34.86	-152.85	-283.21	294.53	110.46	80.99	29.47	3.748	
10,550.00	10,505.35	10,534.97	10,505.64	14.47	34.94	-156.26	-284.01	296.94	123.63	94.08	29.55	4.184	
10,575.00	10,525.10	10,554.07	10,524.59	14.48	35.02	-159.07	-284.74	299.21	138.23	108.38	29.85	4.631	
10,600.00	10,544.01	10,572.38	10,542.76	14.50	35.09	-161.38	-285.41	301.32	154.12	123.88	30.24	5.097	
10,625.00	10,562.05	10,589.85	10,560.11	14.51	35.16	-163.26	-286.02	303.29	171.17	140.51	30.66	5.583	
10,650.00	10,579.15	10,606.39	10,576.54	14.53	35.23	-164.77	-286.57	305.11	189.28	158.22	31.06	6.093	
10,675.00	10,595.28	10,621.66	10,591.71	14.55	35.30	-165.95	-287.08	306.80	208.37	176.93	31.45	6.626	
10,700.00	10,610.39	10,635.86	10,605.81	14.57	35.35	-166.87	-287.56	308.41	228.37	196.57	31.79	7.183	
10,725.00	10,624.43	10,648.94	10,618.79	14.58	35.41	-167.57	-288.01	309.92	249.19	217.08	32.11	7.761	
10,750.00	10,637.37	10,660.87	10,630.64	14.60	35.46	-168.04	-288.44	311.32	270.75	238.37	32.39	8.360	
10,775.00	10,649.18	10,671.63	10,641.31	14.62	35.50	-168.27	-288.83	312.61	292.99	260.36	32.63	8.979	
10,800.00	10,659.81	10,681.19	10,650.79	14.65	35.54	-168.25	-289.18	313.76	315.82	282.98	32.84	9.616	
10,825.00	10,669.25	10,689.53	10,659.06	14.67	35.57	-167.90	-289.49	314.79	339.17	306.14	33.03	10.270	
10,850.00	10,677.46	10,696.63	10,666.11	14.69	35.60	-167.12	-289.76	315.67	362.97	329.79	33.18	10.938	
10,875.00	10,684.42	10,702.51	10,671.93	14.71	35.63	-165.66	-289.98	316.41	387.14	353.83	33.32	11.620	
10,900.00	10,690.12	10,707.15	10,676.53	14.74	35.65	-163.00	-290.16	316.99	411.62	378.19	33.43	12.313	
10,925.00	10,694.54	10,710.51	10,679.87	14.76	35.66	-157.77	-290.29	317.41	436.33	402.81	33.52	13.017	
10,950.00	10,697.66	10,712.60	10,681.94	14.79	35.67	-145.35	-290.37	317.67	461.19	427.60	33.59	13.728	
10,975.00	10,699.48	10,713.41	10,682.74	14.82	35.67	-106.15	-290.40	317.77	486.15	452.50	33.65	14.446	
10,997.32	10,700.01	10,713.05	10,682.39	14.84	35.67	-49.49	-290.39	317.73	508.44	474.75	33.69	15.092	
11,000.00	10,700.01	10,712.95	10,682.28	14.85	35.67	-49.34	-290.39	317.72	511.12	477.43	33.69	15.169	
11,100.00	10,700.01	10,709.07	10,678.44	14.99	35.66	-44.40	-290.24	317.23	610.99	577.17	33.82	18.064	
11,200.00	10,700.01	10,705.22	10,674.62	15.18	35.64	-40.40	-290.09	316.75	710.87	676.95	33.92	20.956	
11,300.00	10,700.01	10,701.39	10,670.83	15.41	35.62	-37.11	-289.94	316.27	810.77	776.77	34.00	23.844	
11,400.00	10,700.01	10,700.00	10,669.45	15.69	35.62	-36.06	-289.89	316.09	910.67	876.60	34.07	26.729	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: REDTAIL FED COM PROJECT - LLAMA MALL 26-35 FED COM 023H - OWB - AWP

Offset Site Error: 3.00 usft

Survey Program: 26-r.5 MWD+IFR1

Rule Assigned:

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
25,300.00	10,700.01	20,847.00	10,746.08	127.04	105.46	-120.96	15,511.74	156.75	996.48	933.68	62.80	15.867	
25,400.00	10,700.01	20,847.00	10,746.08	127.90	105.46	-120.96	15,511.74	156.75	896.93	833.28	63.65	14.092	
25,500.00	10,700.01	20,847.00	10,746.08	128.76	105.46	-120.96	15,511.74	156.75	797.49	732.73	64.76	12.315	
25,600.00	10,700.01	20,847.00	10,746.08	129.61	105.46	-120.96	15,511.74	156.75	698.21	631.94	66.27	10.536	
25,700.00	10,700.01	20,847.00	10,746.08	130.47	105.46	-120.96	15,511.74	156.75	599.18	530.72	68.46	8.753	
25,800.00	10,700.01	20,847.00	10,746.08	131.33	105.46	-120.96	15,511.74	156.75	500.52	428.68	71.84	6.967	
25,900.00	10,700.01	20,847.00	10,746.08	132.19	105.46	-120.96	15,511.74	156.75	402.53	325.01	77.52	5.193	
26,000.00	10,700.01	20,847.00	10,746.08	133.04	105.46	-120.96	15,511.74	156.75	305.85	217.75	88.10	3.472	
26,100.00	10,700.01	20,847.00	10,746.08	133.90	105.46	-120.96	15,511.74	156.75	212.26	101.65	110.61	1.919	Caution - Monitor Closely
26,127.32	10,700.01	20,847.00	10,746.08	134.07	105.46	-120.96	15,511.74	156.75	187.85	63.88	123.96	1.515	Caution - Monitor Closely, CC, ES, SF

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: REDTAIL FED COM PROJECT - LLAMA MALL 26-35 FED COM 033H - OWB - AWP

Offset Site Error: 3.00 usft

Survey Program: 11-r.5 MWD+IFR1

Rule Assigned:

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
21,600.00	10,700.01	10,684.12	10,693.73	95.40	36.15	89.64	10,838.37	1,261.58	997.11	859.38	137.72	7.240	
21,611.85	10,700.01	10,684.02	10,693.62	95.50	36.15	89.63	10,838.37	1,261.58	997.04	859.23	137.81	7.235	CC, ES, SF

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: REDTAIL FED COM PROJECT - REDTAIL FEDERAL COM 703H - OWB - AWP — **Offset Site Error:** 3.00 usft

Survey Program: 100-r.5 SDI_KPR_WL_NS-CT, 1547-r.5 MWD+IFR1+SAG+FDIR, 10720-r.5 MWD+IFR1+SAG, 11729-r.5 MWD+IFR1+S/ — **Rule Assigned:** — **Offset Well Error:** 3.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
26,000.00	10,700.01	10,726.86	10,713.77	133.04	8.39	90.82	15,407.29	1,201.42	984.07	800.95	183.12	5.374	
26,100.00	10,700.01	10,729.22	10,716.13	133.90	8.39	90.96	15,407.34	1,201.38	970.65	783.82	186.83	5.195	
26,127.32	10,700.01	10,729.86	10,716.77	134.07	8.39	90.99	15,407.36	1,201.37	968.75	781.29	187.46	5.168	CC, ES, SF

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: REDTAIL FED COM PROJECT - TRISTE DRAW FEDERAL 2_PA - OWB - AWP

Offset Site Error: 3.00 usft

Survey Program: 100-r.5 GYRO-NS

Rule Assigned:

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
11,700.00	10,700.01	10,644.85	10,680.11	16.81	38.62	88.23	1,673.35	968.44	987.40	929.44	57.96	17.035	
11,800.00	10,700.01	10,647.74	10,683.01	17.26	38.63	88.49	1,673.44	968.43	913.87	855.69	58.18	15.707	
11,900.00	10,700.01	10,650.67	10,685.93	17.75	38.64	88.75	1,673.54	968.41	845.77	787.29	58.48	14.462	
12,000.00	10,700.01	10,653.64	10,688.90	18.27	38.65	89.01	1,673.63	968.39	784.53	725.64	58.88	13.323	
12,100.00	10,700.01	10,656.64	10,691.90	18.81	38.66	89.28	1,673.73	968.38	731.86	672.46	59.40	12.320	
12,200.00	10,700.01	10,659.68	10,694.94	19.38	38.67	89.55	1,673.83	968.36	689.74	629.71	60.03	11.490	
12,300.00	10,700.01	10,662.76	10,698.01	19.98	38.68	89.82	1,673.93	968.34	660.18	599.45	60.73	10.870	
12,400.00	10,700.01	10,665.87	10,701.13	20.59	38.69	90.10	1,674.03	968.33	644.91	583.48	61.43	10.498	
12,449.72	10,700.01	10,667.44	10,702.69	20.91	38.70	90.24	1,674.09	968.32	643.00	581.25	61.75	10.413	CC, ES
12,500.00	10,700.01	10,669.03	10,704.28	21.22	38.70	90.38	1,674.14	968.32	644.96	582.93	62.03	10.398	SF
12,600.00	10,700.01	10,672.23	10,707.48	21.87	38.71	90.67	1,674.25	968.30	660.31	597.85	62.46	10.572	
12,700.00	10,700.01	10,675.47	10,710.72	22.54	38.72	90.95	1,674.36	968.29	689.94	627.25	62.69	11.005	
12,800.00	10,700.01	10,678.75	10,714.00	23.21	38.74	91.25	1,674.47	968.28	732.13	669.37	62.75	11.667	
12,900.00	10,700.01	10,682.07	10,717.32	23.90	38.75	91.54	1,674.58	968.27	784.84	722.15	62.69	12.519	
13,000.00	10,700.01	10,685.44	10,720.68	24.60	38.76	91.84	1,674.70	968.26	846.12	783.57	62.55	13.526	
13,100.00	10,700.01	10,688.85	10,724.09	25.31	38.77	92.15	1,674.82	968.25	914.25	851.86	62.38	14.655	
13,200.00	10,700.01	10,692.31	10,727.55	26.03	38.78	92.45	1,674.94	968.24	987.80	925.59	62.21	15.880	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: REDTAIL FED COM PROJECT - URRACA 11 AV FEDERAL COM - OWB - AWP

Offset Site Error: 3.00 usft

Survey Program: 92-r.5 MWD+IFR1

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
16,200.00	10,700.01	14,069.45	9,707.33	49.81	48.48	-5.76	5,470.63	200.05	999.02	922.68	76.34	13.086	
16,300.00	10,700.01	13,966.54	9,712.97	50.63	47.58	-5.79	5,573.38	199.35	993.57	917.70	75.87	13.095	
16,400.00	10,700.01	13,882.67	9,717.31	51.46	46.84	-5.88	5,657.11	197.68	988.62	913.05	75.57	13.082	
16,500.00	10,700.01	13,812.00	9,718.92	52.29	46.22	-5.99	5,727.73	195.50	986.51	911.15	75.36	13.091	
16,519.58	10,700.01	13,800.82	9,718.97	52.46	46.12	-6.01	5,738.91	195.07	986.46	911.13	75.33	13.095	CC, ES
16,600.00	10,700.01	13,732.89	9,718.87	53.12	45.51	-6.19	5,806.73	191.50	986.97	911.89	75.08	13.146	
16,700.00	10,700.01	13,616.42	9,718.90	53.96	44.48	-6.58	5,922.95	183.89	987.62	913.04	74.58	13.242	
16,758.55	10,700.01	13,561.49	9,719.34	54.44	44.00	-6.75	5,977.79	180.67	987.51	913.12	74.39	13.274	
16,800.00	10,700.01	13,522.60	9,719.51	54.79	43.66	-6.86	6,016.62	178.53	987.57	913.31	74.26	13.298	
16,900.00	10,700.01	13,428.83	9,719.38	55.62	42.84	-7.06	6,110.30	174.47	988.15	914.18	73.98	13.358	
17,000.00	10,700.01	13,334.58	9,718.52	56.46	42.03	-7.18	6,204.51	171.54	989.36	915.65	73.71	13.422	
17,100.00	10,700.01	13,236.61	9,717.32	57.29	41.19	-7.32	6,302.42	168.42	990.90	917.45	73.45	13.491	
17,200.00	10,700.01	13,147.22	9,715.61	58.13	40.43	-7.45	6,391.74	165.39	993.15	919.88	73.26	13.556	
17,300.00	10,700.01	13,045.39	9,713.22	58.97	39.57	-7.58	6,493.48	162.01	995.82	922.79	73.03	13.636	
17,400.00	10,700.01	12,942.45	9,711.01	59.81	38.71	-7.71	6,596.35	158.78	998.28	925.47	72.81	13.711	
18,097.81	10,700.01	12,221.59	9,708.24	65.67	33.00	-6.98	7,316.99	166.49	999.17	927.31	71.85	13.905	
18,100.00	10,700.01	12,219.95	9,708.23	65.69	32.99	-6.98	7,318.62	166.51	999.17	927.31	71.86	13.905	
18,800.00	10,700.01	11,500.66	9,709.29	71.60	27.86	-7.46	8,037.66	153.30	999.36	927.36	72.00	13.880	
18,900.00	10,700.01	11,406.80	9,711.07	72.45	27.26	-7.53	8,131.49	151.74	997.62	925.41	72.21	13.816	
18,979.19	10,700.01	11,341.05	9,711.58	73.12	26.85	-7.56	8,197.24	150.86	997.09	924.62	72.47	13.759	
19,000.00	10,700.01	11,325.82	9,711.54	73.29	26.76	-7.56	8,212.46	150.68	997.17	924.62	72.55	13.744	
19,100.00	10,700.01	11,251.33	9,710.07	74.14	26.31	-7.58	8,286.93	149.76	999.17	926.22	72.95	13.697	
19,800.00	10,700.01	10,512.88	9,707.58	80.07	22.75	-6.04	9,024.60	171.56	997.98	923.78	74.20	13.449	
19,900.00	10,700.01	10,381.79	9,710.72	80.92	22.30	-6.01	9,155.64	171.60	995.41	921.23	74.17	13.420	
20,000.00	10,700.01	10,291.06	9,714.04	81.77	22.02	-6.07	9,246.30	170.17	991.91	917.25	74.66	13.287	
20,100.00	10,700.01	10,216.90	9,715.12	82.62	21.82	-6.10	9,320.44	169.35	990.49	915.16	75.33	13.149	
20,105.09	10,700.01	10,213.01	9,715.13	82.67	21.81	-6.10	9,324.33	169.32	990.49	915.13	75.36	13.143	
20,200.00	10,700.01	10,164.10	9,714.15	83.47	21.65	-6.07	9,373.23	169.36	992.49	916.38	76.10	13.041	SF

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Offset Design: REDTAIL FED COM PROJECT - URRACA FEDERAL #1 (P&A) - OWB - AWP

Offset Site Error: 3.00 usft

Survey Program: 255-r.5 INC-ONLY

Rule Assigned:

Offset Well Error: 20.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
15,400.00	10,700.01	10,701.95	10,714.38	43.23	277.73	-97.11	5,569.16	184.20	956.98	568.27	388.71	2.462	Caution - Monitor Closely
15,500.00	10,700.01	10,700.38	10,712.81	44.05	277.68	-96.34	5,569.18	184.20	857.81	469.12	388.69	2.207	Caution - Monitor Closely
15,600.00	10,700.01	10,698.82	10,711.25	44.86	277.64	-95.57	5,569.20	184.20	758.84	370.17	388.67	1.952	Caution - Monitor Closely
15,700.00	10,700.01	10,697.29	10,709.72	45.68	277.60	-94.82	5,569.23	184.20	660.19	271.52	388.67	1.699	Caution - Monitor Closely
15,800.00	10,700.01	10,695.77	10,708.20	46.51	277.56	-94.06	5,569.25	184.20	562.01	173.31	388.70	1.446	Take Immediate Action
15,900.00	10,700.01	10,694.26	10,706.70	47.33	277.52	-93.32	5,569.27	184.20	464.60	75.83	388.77	1.195	Take Immediate Action
16,000.00	10,700.01	10,692.78	10,705.21	48.15	277.48	-92.59	5,569.29	184.20	368.57	-20.37	388.94	0.948	STOP Drilling
16,100.00	10,700.01	10,691.31	10,703.74	48.98	277.44	-91.86	5,569.31	184.20	275.38	-113.97	389.35	0.707	STOP Drilling
16,200.00	10,700.01	10,689.86	10,702.29	49.81	277.40	-91.14	5,569.34	184.20	189.26	-201.17	390.43	0.485	STOP Drilling
16,300.00	10,700.01	10,688.42	10,700.86	50.63	277.36	-90.42	5,569.36	184.20	125.70	-267.34	393.04	0.320	STOP Drilling
16,350.12	10,700.01	10,687.71	10,700.14	51.05	277.35	-90.07	5,569.37	184.20	115.28	-278.59	393.87	0.293	STOP Drilling, CC, ES, SF
16,400.00	10,700.01	10,687.00	10,699.44	51.46	277.33	-89.72	5,569.38	184.20	125.61	-267.30	392.91	0.320	STOP Drilling
16,500.00	10,700.01	10,685.60	10,698.03	52.29	277.29	-89.02	5,569.40	184.20	189.08	-201.11	390.19	0.485	STOP Drilling
16,600.00	10,700.01	10,684.21	10,696.64	53.12	277.25	-88.33	5,569.42	184.20	275.17	-113.87	389.05	0.707	STOP Drilling
16,700.00	10,700.01	10,682.83	10,695.27	53.96	277.21	-87.65	5,569.43	184.20	368.36	-20.22	388.58	0.948	STOP Drilling
16,800.00	10,700.01	10,681.47	10,693.91	54.79	277.18	-86.97	5,569.45	184.20	464.38	76.04	388.34	1.196	Take Immediate Action
16,900.00	10,700.01	10,680.13	10,692.56	55.62	277.14	-86.31	5,569.47	184.20	561.79	173.59	388.20	1.447	Take Immediate Action
17,000.00	10,700.01	10,678.80	10,691.23	56.46	277.11	-85.65	5,569.49	184.20	659.97	271.87	388.10	1.701	Caution - Monitor Closely
17,100.00	10,700.01	10,677.48	10,689.92	57.29	277.07	-85.00	5,569.51	184.20	758.62	370.60	388.02	1.955	Caution - Monitor Closely
17,200.00	10,700.01	10,676.18	10,688.62	58.13	277.04	-84.36	5,569.53	184.20	857.59	469.63	387.96	2.211	Caution - Monitor Closely
17,300.00	10,700.01	10,674.89	10,687.33	58.97	277.00	-83.72	5,569.54	184.20	956.77	568.86	387.91	2.466	Caution - Monitor Closely

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

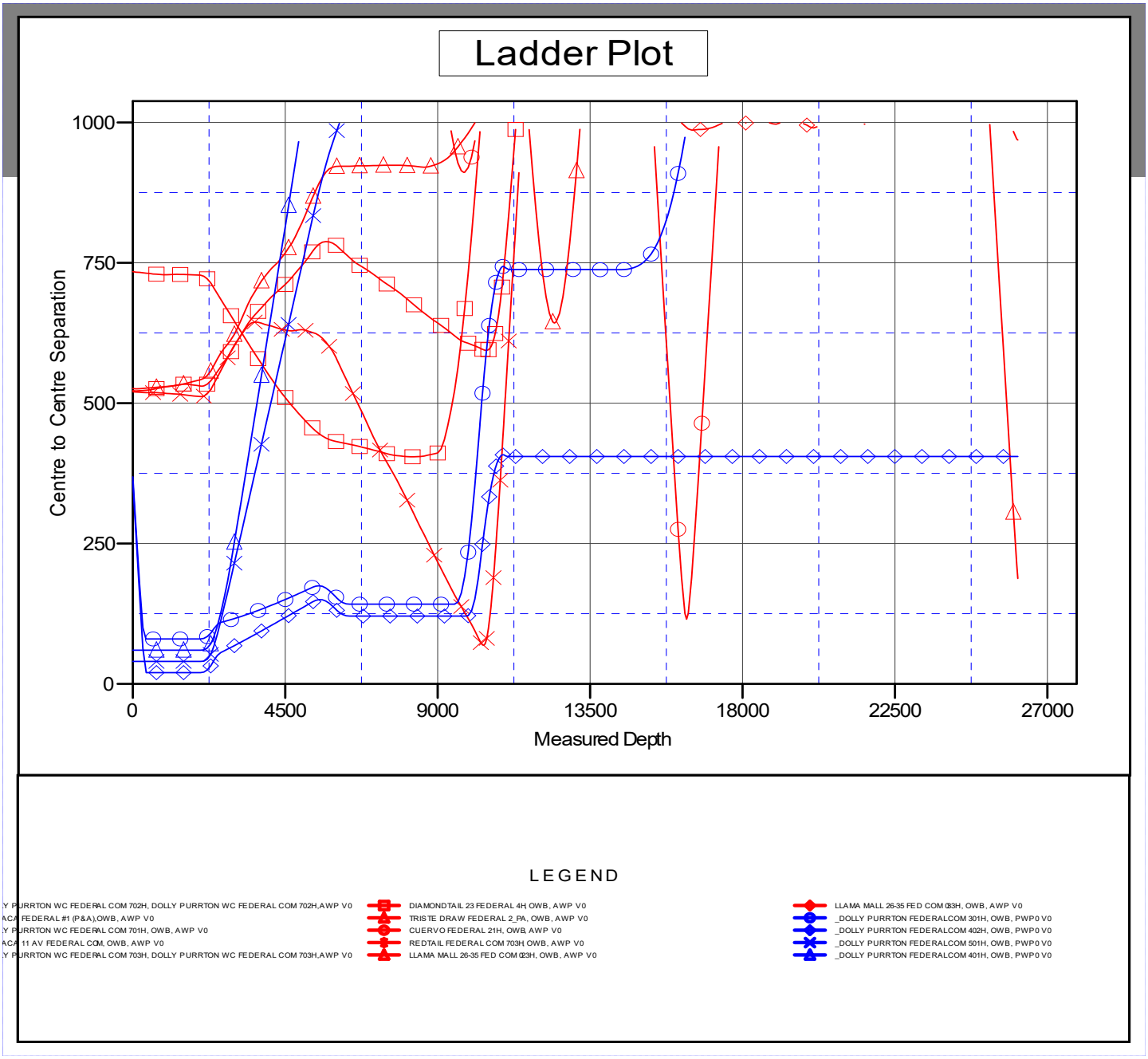
ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Reference Depths are relative to KB @ 3765.00usft (Original Well Elev
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: _DOLLY PURRTON FEDERAL COM 502H - Slot SLO
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.37°



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

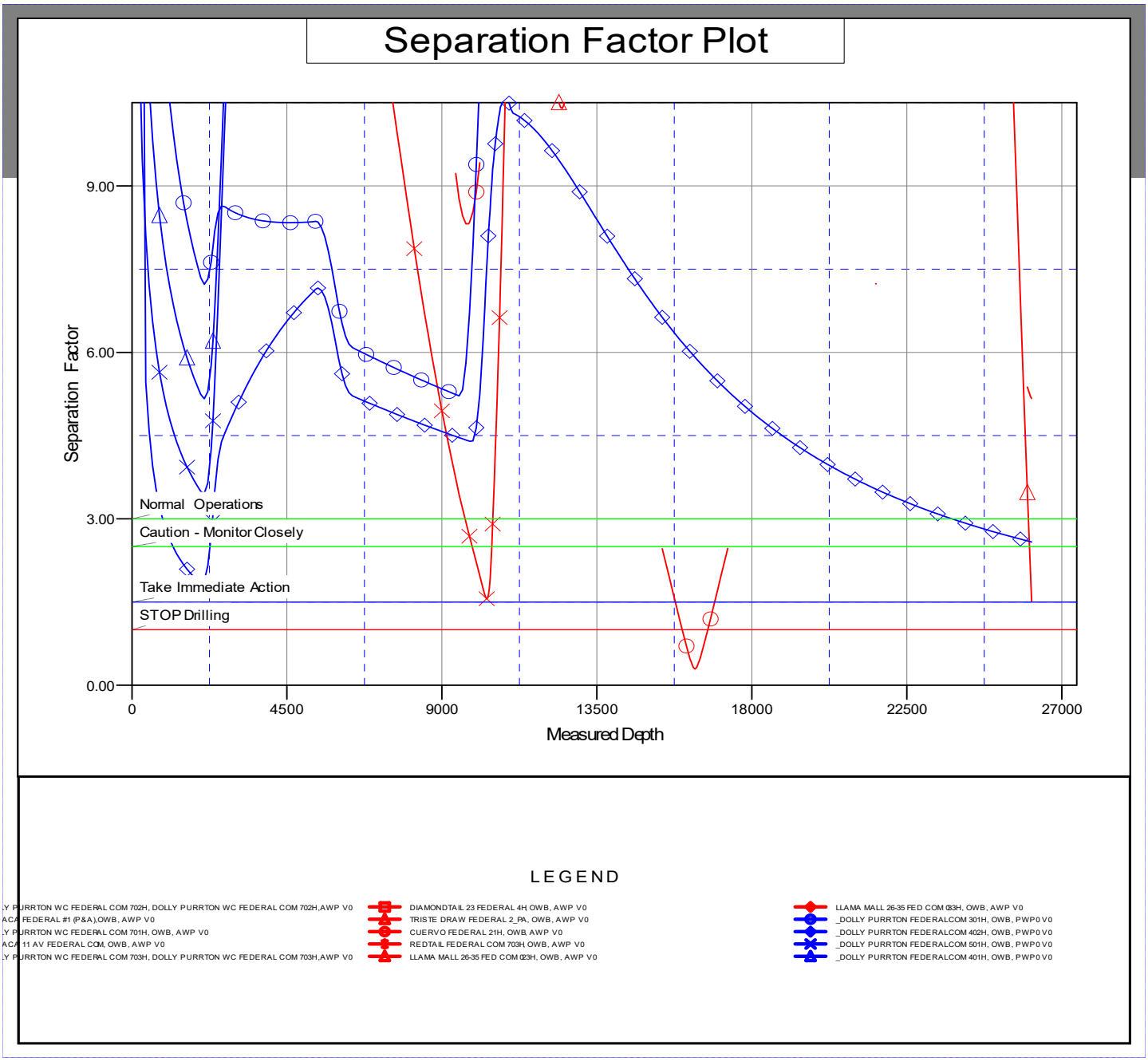
ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Project:	LEA COUNTY SOUTHEAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Reference Site:	DOLLY PURTON FEDERAL COM PROJECT	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Reference Datum

Reference Depths are relative to KB @ 3765.00usft (Original Well Elev
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: _DOLLY PURRTON FEDERAL COM 502H - Slot SLO
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.37°



DELAWARE BASIN EAST

LEA COUNTY SOUTHEAST
DOLLY PURTON FEDERAL COM PROJECT
_DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5

OWB

Plan: PWP0

Standard Planning Report

20 October, 2025

ConocoPhillips
Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Company:	DELAWARE BASIN EAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Project:	LEA COUNTY SOUTHEAST	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site:	DOLLY PURTON FEDERAL COM PROJECT	**North Reference:**	Grid
Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Project LEA COUNTY SOUTHEAST

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

Site DOLLY PURTON FEDERAL COM PROJECT

Site Position:		**Northing:**	483,131.39 usft	**Latitude:**	32° 19' 34.919 N
From:	Map	**Easting:**	712,636.84 usft	**Longitude:**	103° 38' 41.834 W
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "		

Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5

Well Position	**+N/-S**	0.00 usft	**Northing:**	472,937.57 usft	**Latitude:**	32° 17' 54.098 N
	+E/-W	0.00 usft	**Easting:**	711,821.22 usft	**Longitude:**	103° 38' 52.099 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,735.00 usft
Grid Convergence:		0.37 °				

Wellbore OWB

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2025	6/3/2025	6.29	59.87	47,294.43404133

Design PWP0

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	0.87

Plan Survey Tool Program **Date** 10/20/2025

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	5,523.77	PWP0 (OWB)	r.5 MWD+IFR1+SAG+FDIR ISCWSA MWD + IFR1 + SAG ·	
2	10,250.00	26,126.59	PWP0 (OWB)	r.5 MWD+IFR1+SAG+FDIR ISCWSA MWD + IFR1 + SAG ·	

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Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Company:	DELAWARE BASIN EAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Project:	LEA COUNTY SOUTHEAST	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site:	DOLLY PURTON FEDERAL COM PROJECT	**North Reference:**	Grid
Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,349.95	7.00	127.56	2,349.08	-13.01	16.92	2.00	2.00	0.00	127.56	
5,324.87	7.00	127.56	5,301.83	-233.97	304.30	0.00	0.00	0.00	0.00	
6,024.78	0.00	0.00	6,000.00	-260.00	338.15	1.00	-1.00	0.00	180.00	
10,247.32	0.00	0.00	10,222.54	-260.00	338.15	0.00	0.00	0.00	0.00	
10,997.32	90.00	359.62	10,700.01	217.45	334.98	12.00	12.00	0.00	359.62	
26,127.32	90.00	359.62	10,700.01	15,347.12	234.63	0.00	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Company:	DELAWARE BASIN EAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Project:	LEA COUNTY SOUTHEAST	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site:	DOLLY PURTON FEDERAL COM PROJECT	**North Reference:**	Grid
Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	2.00	127.56	2,099.98	-1.06	1.38	-1.04	2.00	2.00	0.00
2,200.00	4.00	127.56	2,199.84	-4.25	5.53	-4.17	2.00	2.00	0.00
2,300.00	6.00	127.56	2,299.45	-9.57	12.44	-9.38	2.00	2.00	0.00
2,349.95	7.00	127.56	2,349.08	-13.01	16.92	-12.75	2.00	2.00	0.00
2,400.00	7.00	127.56	2,398.76	-16.73	21.76	-16.40	0.00	0.00	0.00
2,500.00	7.00	127.56	2,498.01	-24.16	31.42	-23.68	0.00	0.00	0.00
2,600.00	7.00	127.56	2,597.27	-31.58	41.08	-30.96	0.00	0.00	0.00
2,700.00	7.00	127.56	2,696.52	-39.01	50.74	-38.23	0.00	0.00	0.00
2,800.00	7.00	127.56	2,795.78	-46.44	60.40	-45.51	0.00	0.00	0.00
2,900.00	7.00	127.56	2,895.03	-53.87	70.06	-52.79	0.00	0.00	0.00
3,000.00	7.00	127.56	2,994.29	-61.29	79.72	-60.07	0.00	0.00	0.00
3,100.00	7.00	127.56	3,093.54	-68.72	89.38	-67.35	0.00	0.00	0.00
3,200.00	7.00	127.56	3,192.80	-76.15	99.04	-74.63	0.00	0.00	0.00
3,300.00	7.00	127.56	3,292.05	-83.58	108.70	-81.91	0.00	0.00	0.00
3,400.00	7.00	127.56	3,391.31	-91.00	118.36	-89.19	0.00	0.00	0.00
3,500.00	7.00	127.56	3,490.56	-98.43	128.02	-96.47	0.00	0.00	0.00
3,600.00	7.00	127.56	3,589.82	-105.86	137.68	-103.75	0.00	0.00	0.00
3,700.00	7.00	127.56	3,689.07	-113.29	147.34	-111.03	0.00	0.00	0.00
3,800.00	7.00	127.56	3,788.32	-120.71	157.00	-118.31	0.00	0.00	0.00
3,900.00	7.00	127.56	3,887.58	-128.14	166.66	-125.59	0.00	0.00	0.00
4,000.00	7.00	127.56	3,986.83	-135.57	176.32	-132.87	0.00	0.00	0.00
4,100.00	7.00	127.56	4,086.09	-143.00	185.98	-140.15	0.00	0.00	0.00
4,200.00	7.00	127.56	4,185.34	-150.42	195.64	-147.43	0.00	0.00	0.00
4,300.00	7.00	127.56	4,284.60	-157.85	205.30	-154.71	0.00	0.00	0.00
4,400.00	7.00	127.56	4,383.85	-165.28	214.96	-161.99	0.00	0.00	0.00
4,500.00	7.00	127.56	4,483.11	-172.71	224.62	-169.27	0.00	0.00	0.00
4,600.00	7.00	127.56	4,582.36	-180.13	234.28	-176.55	0.00	0.00	0.00
4,700.00	7.00	127.56	4,681.62	-187.56	243.94	-183.82	0.00	0.00	0.00
4,800.00	7.00	127.56	4,780.87	-194.99	253.60	-191.10	0.00	0.00	0.00
4,900.00	7.00	127.56	4,880.13	-202.42	263.26	-198.38	0.00	0.00	0.00
5,000.00	7.00	127.56	4,979.38	-209.85	272.92	-205.66	0.00	0.00	0.00
5,100.00	7.00	127.56	5,078.64	-217.27	282.58	-212.94	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Company:	DELAWARE BASIN EAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Project:	LEA COUNTY SOUTHEAST	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site:	DOLLY PURTON FEDERAL COM PROJECT	**North Reference:**	Grid
Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,200.00	7.00	127.56	5,177.89	-224.70	292.24	-220.22	0.00	0.00	0.00
5,300.00	7.00	127.56	5,277.15	-232.13	301.90	-227.50	0.00	0.00	0.00
5,324.87	7.00	127.56	5,301.83	-233.97	304.30	-229.31	0.00	0.00	0.00
5,400.00	6.25	127.56	5,376.46	-239.26	311.17	-234.49	1.00	-1.00	0.00
5,500.00	5.25	127.56	5,475.96	-245.36	319.11	-240.47	1.00	-1.00	0.00
5,600.00	4.25	127.56	5,575.61	-250.41	325.67	-245.42	1.00	-1.00	0.00
5,700.00	3.25	127.56	5,675.40	-254.39	330.85	-249.32	1.00	-1.00	0.00
5,800.00	2.25	127.56	5,775.28	-257.31	334.65	-252.19	1.00	-1.00	0.00
5,900.00	1.25	127.56	5,875.23	-259.17	337.07	-254.01	1.00	-1.00	0.00
6,000.00	0.25	127.56	5,975.22	-259.97	338.10	-254.79	1.00	-1.00	0.00
6,024.78	0.00	0.00	6,000.00	-260.00	338.15	-254.82	1.00	-1.00	0.00
6,100.00	0.00	0.00	6,075.22	-260.00	338.15	-254.82	0.00	0.00	0.00
6,200.00	0.00	0.00	6,175.22	-260.00	338.15	-254.82	0.00	0.00	0.00
6,300.00	0.00	0.00	6,275.22	-260.00	338.15	-254.82	0.00	0.00	0.00
6,400.00	0.00	0.00	6,375.22	-260.00	338.15	-254.82	0.00	0.00	0.00
6,500.00	0.00	0.00	6,475.22	-260.00	338.15	-254.82	0.00	0.00	0.00
6,600.00	0.00	0.00	6,575.22	-260.00	338.15	-254.82	0.00	0.00	0.00
6,700.00	0.00	0.00	6,675.22	-260.00	338.15	-254.82	0.00	0.00	0.00
6,800.00	0.00	0.00	6,775.22	-260.00	338.15	-254.82	0.00	0.00	0.00
6,900.00	0.00	0.00	6,875.22	-260.00	338.15	-254.82	0.00	0.00	0.00
7,000.00	0.00	0.00	6,975.22	-260.00	338.15	-254.82	0.00	0.00	0.00
7,100.00	0.00	0.00	7,075.22	-260.00	338.15	-254.82	0.00	0.00	0.00
7,200.00	0.00	0.00	7,175.22	-260.00	338.15	-254.82	0.00	0.00	0.00
7,300.00	0.00	0.00	7,275.22	-260.00	338.15	-254.82	0.00	0.00	0.00
7,400.00	0.00	0.00	7,375.22	-260.00	338.15	-254.82	0.00	0.00	0.00
7,500.00	0.00	0.00	7,475.22	-260.00	338.15	-254.82	0.00	0.00	0.00
7,600.00	0.00	0.00	7,575.22	-260.00	338.15	-254.82	0.00	0.00	0.00
7,700.00	0.00	0.00	7,675.22	-260.00	338.15	-254.82	0.00	0.00	0.00
7,800.00	0.00	0.00	7,775.22	-260.00	338.15	-254.82	0.00	0.00	0.00
7,900.00	0.00	0.00	7,875.22	-260.00	338.15	-254.82	0.00	0.00	0.00
8,000.00	0.00	0.00	7,975.22	-260.00	338.15	-254.82	0.00	0.00	0.00
8,100.00	0.00	0.00	8,075.22	-260.00	338.15	-254.82	0.00	0.00	0.00
8,200.00	0.00	0.00	8,175.22	-260.00	338.15	-254.82	0.00	0.00	0.00
8,300.00	0.00	0.00	8,275.22	-260.00	338.15	-254.82	0.00	0.00	0.00
8,400.00	0.00	0.00	8,375.22	-260.00	338.15	-254.82	0.00	0.00	0.00
8,500.00	0.00	0.00	8,475.22	-260.00	338.15	-254.82	0.00	0.00	0.00
8,600.00	0.00	0.00	8,575.22	-260.00	338.15	-254.82	0.00	0.00	0.00
8,700.00	0.00	0.00	8,675.22	-260.00	338.15	-254.82	0.00	0.00	0.00
8,800.00	0.00	0.00	8,775.22	-260.00	338.15	-254.82	0.00	0.00	0.00
8,900.00	0.00	0.00	8,875.22	-260.00	338.15	-254.82	0.00	0.00	0.00
9,000.00	0.00	0.00	8,975.22	-260.00	338.15	-254.82	0.00	0.00	0.00
9,100.00	0.00	0.00	9,075.22	-260.00	338.15	-254.82	0.00	0.00	0.00
9,200.00	0.00	0.00	9,175.22	-260.00	338.15	-254.82	0.00	0.00	0.00
9,300.00	0.00	0.00	9,275.22	-260.00	338.15	-254.82	0.00	0.00	0.00
9,400.00	0.00	0.00	9,375.22	-260.00	338.15	-254.82	0.00	0.00	0.00
9,500.00	0.00	0.00	9,475.22	-260.00	338.15	-254.82	0.00	0.00	0.00
9,600.00	0.00	0.00	9,575.22	-260.00	338.15	-254.82	0.00	0.00	0.00
9,700.00	0.00	0.00	9,675.22	-260.00	338.15	-254.82	0.00	0.00	0.00
9,800.00	0.00	0.00	9,775.22	-260.00	338.15	-254.82	0.00	0.00	0.00
9,900.00	0.00	0.00	9,875.22	-260.00	338.15	-254.82	0.00	0.00	0.00
10,000.00	0.00	0.00	9,975.22	-260.00	338.15	-254.82	0.00	0.00	0.00
10,100.00	0.00	0.00	10,075.22	-260.00	338.15	-254.82	0.00	0.00	0.00
10,200.00	0.00	0.00	10,175.22	-260.00	338.15	-254.82	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Company:	DELAWARE BASIN EAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Project:	LEA COUNTY SOUTHEAST	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site:	DOLLY PURTON FEDERAL COM PROJECT	**North Reference:**	Grid
Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,247.32	0.00	0.00	10,222.54	-260.00	338.15	-254.82	0.00	0.00	0.00
10,300.00	6.32	359.62	10,275.12	-257.10	338.13	-251.92	12.00	12.00	0.00
10,400.00	18.32	359.62	10,372.63	-235.80	337.99	-230.62	12.00	12.00	0.00
10,500.00	30.32	359.62	10,463.59	-194.69	337.71	-189.52	12.00	12.00	0.00
10,600.00	42.32	359.62	10,544.01	-135.56	337.32	-130.41	12.00	12.00	0.00
10,700.00	54.32	359.62	10,610.39	-61.01	336.83	-55.87	12.00	12.00	0.00
10,800.00	66.32	359.62	10,659.81	25.71	336.25	30.83	12.00	12.00	0.00
10,900.00	78.32	359.62	10,690.12	120.81	335.62	125.91	12.00	12.00	0.00
10,997.32	90.00	359.62	10,700.01	217.45	334.98	222.53	12.00	12.00	0.00
11,000.00	90.00	359.62	10,700.01	220.14	334.96	225.21	0.00	0.00	0.00
11,100.00	90.00	359.62	10,700.01	320.13	334.30	325.19	0.00	0.00	0.00
11,200.00	90.00	359.62	10,700.01	420.13	333.63	425.17	0.00	0.00	0.00
11,300.00	90.00	359.62	10,700.01	520.13	332.97	525.14	0.00	0.00	0.00
11,400.00	90.00	359.62	10,700.01	620.13	332.31	625.12	0.00	0.00	0.00
11,500.00	90.00	359.62	10,700.01	720.13	331.65	725.09	0.00	0.00	0.00
11,600.00	90.00	359.62	10,700.01	820.12	330.98	825.07	0.00	0.00	0.00
11,700.00	90.00	359.62	10,700.01	920.12	330.32	925.05	0.00	0.00	0.00
11,800.00	90.00	359.62	10,700.01	1,020.12	329.66	1,025.02	0.00	0.00	0.00
11,900.00	90.00	359.62	10,700.01	1,120.12	328.99	1,125.00	0.00	0.00	0.00
12,000.00	90.00	359.62	10,700.01	1,220.11	328.33	1,224.97	0.00	0.00	0.00
12,100.00	90.00	359.62	10,700.01	1,320.11	327.67	1,324.95	0.00	0.00	0.00
12,200.00	90.00	359.62	10,700.01	1,420.11	327.00	1,424.93	0.00	0.00	0.00
12,300.00	90.00	359.62	10,700.01	1,520.11	326.34	1,524.90	0.00	0.00	0.00
12,400.00	90.00	359.62	10,700.01	1,620.11	325.68	1,624.88	0.00	0.00	0.00
12,500.00	90.00	359.62	10,700.01	1,720.10	325.01	1,724.85	0.00	0.00	0.00
12,600.00	90.00	359.62	10,700.01	1,820.10	324.35	1,824.83	0.00	0.00	0.00
12,700.00	90.00	359.62	10,700.01	1,920.10	323.69	1,924.81	0.00	0.00	0.00
12,800.00	90.00	359.62	10,700.01	2,020.10	323.02	2,024.78	0.00	0.00	0.00
12,900.00	90.00	359.62	10,700.01	2,120.09	322.36	2,124.76	0.00	0.00	0.00
13,000.00	90.00	359.62	10,700.01	2,220.09	321.70	2,224.74	0.00	0.00	0.00
13,100.00	90.00	359.62	10,700.01	2,320.09	321.03	2,324.71	0.00	0.00	0.00
13,200.00	90.00	359.62	10,700.01	2,420.09	320.37	2,424.69	0.00	0.00	0.00
13,300.00	90.00	359.62	10,700.01	2,520.09	319.71	2,524.66	0.00	0.00	0.00
13,400.00	90.00	359.62	10,700.01	2,620.08	319.04	2,624.64	0.00	0.00	0.00
13,500.00	90.00	359.62	10,700.01	2,720.08	318.38	2,724.62	0.00	0.00	0.00
13,600.00	90.00	359.62	10,700.01	2,820.08	317.72	2,824.59	0.00	0.00	0.00
13,700.00	90.00	359.62	10,700.01	2,920.08	317.05	2,924.57	0.00	0.00	0.00
13,800.00	90.00	359.62	10,700.01	3,020.07	316.39	3,024.54	0.00	0.00	0.00
13,900.00	90.00	359.62	10,700.01	3,120.07	315.73	3,124.52	0.00	0.00	0.00
14,000.00	90.00	359.62	10,700.01	3,220.07	315.06	3,224.50	0.00	0.00	0.00
14,100.00	90.00	359.62	10,700.01	3,320.07	314.40	3,324.47	0.00	0.00	0.00
14,200.00	90.00	359.62	10,700.01	3,420.07	313.74	3,424.45	0.00	0.00	0.00
14,300.00	90.00	359.62	10,700.01	3,520.06	313.08	3,524.42	0.00	0.00	0.00
14,400.00	90.00	359.62	10,700.01	3,620.06	312.41	3,624.40	0.00	0.00	0.00
14,500.00	90.00	359.62	10,700.01	3,720.06	311.75	3,724.38	0.00	0.00	0.00
14,600.00	90.00	359.62	10,700.01	3,820.06	311.09	3,824.35	0.00	0.00	0.00
14,700.00	90.00	359.62	10,700.01	3,920.06	310.42	3,924.33	0.00	0.00	0.00
14,800.00	90.00	359.62	10,700.01	4,020.05	309.76	4,024.31	0.00	0.00	0.00
14,900.00	90.00	359.62	10,700.01	4,120.05	309.10	4,124.28	0.00	0.00	0.00
15,000.00	90.00	359.62	10,700.01	4,220.05	308.43	4,224.26	0.00	0.00	0.00
15,100.00	90.00	359.62	10,700.01	4,320.05	307.77	4,324.23	0.00	0.00	0.00
15,200.00	90.00	359.62	10,700.01	4,420.04	307.11	4,424.21	0.00	0.00	0.00
15,300.00	90.00	359.62	10,700.01	4,520.04	306.44	4,524.19	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Company:	DELAWARE BASIN EAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Project:	LEA COUNTY SOUTHEAST	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site:	DOLLY PURTON FEDERAL COM PROJECT	**North Reference:**	Grid
Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,400.00	90.00	359.62	10,700.01	4,620.04	305.78	4,624.16	0.00	0.00	0.00
15,500.00	90.00	359.62	10,700.01	4,720.04	305.12	4,724.14	0.00	0.00	0.00
15,600.00	90.00	359.62	10,700.01	4,820.04	304.45	4,824.11	0.00	0.00	0.00
15,700.00	90.00	359.62	10,700.01	4,920.03	303.79	4,924.09	0.00	0.00	0.00
15,800.00	90.00	359.62	10,700.01	5,020.03	303.13	5,024.07	0.00	0.00	0.00
15,900.00	90.00	359.62	10,700.01	5,120.03	302.46	5,124.04	0.00	0.00	0.00
16,000.00	90.00	359.62	10,700.01	5,220.03	301.80	5,224.02	0.00	0.00	0.00
16,100.00	90.00	359.62	10,700.01	5,320.02	301.14	5,323.99	0.00	0.00	0.00
16,200.00	90.00	359.62	10,700.01	5,420.02	300.47	5,423.97	0.00	0.00	0.00
16,300.00	90.00	359.62	10,700.01	5,520.02	299.81	5,523.95	0.00	0.00	0.00
16,400.00	90.00	359.62	10,700.01	5,620.02	299.15	5,623.92	0.00	0.00	0.00
16,500.00	90.00	359.62	10,700.01	5,720.02	298.48	5,723.90	0.00	0.00	0.00
16,600.00	90.00	359.62	10,700.01	5,820.01	297.82	5,823.87	0.00	0.00	0.00
16,700.00	90.00	359.62	10,700.01	5,920.01	297.16	5,923.85	0.00	0.00	0.00
16,800.00	90.00	359.62	10,700.01	6,020.01	296.49	6,023.83	0.00	0.00	0.00
16,900.00	90.00	359.62	10,700.01	6,120.01	295.83	6,123.80	0.00	0.00	0.00
17,000.00	90.00	359.62	10,700.01	6,220.00	295.17	6,223.78	0.00	0.00	0.00
17,100.00	90.00	359.62	10,700.01	6,320.00	294.50	6,323.76	0.00	0.00	0.00
17,200.00	90.00	359.62	10,700.01	6,420.00	293.84	6,423.73	0.00	0.00	0.00
17,300.00	90.00	359.62	10,700.01	6,520.00	293.18	6,523.71	0.00	0.00	0.00
17,400.00	90.00	359.62	10,700.01	6,620.00	292.52	6,623.68	0.00	0.00	0.00
17,500.00	90.00	359.62	10,700.01	6,719.99	291.85	6,723.66	0.00	0.00	0.00
17,600.00	90.00	359.62	10,700.01	6,819.99	291.19	6,823.64	0.00	0.00	0.00
17,700.00	90.00	359.62	10,700.01	6,919.99	290.53	6,923.61	0.00	0.00	0.00
17,800.00	90.00	359.62	10,700.01	7,019.99	289.86	7,023.59	0.00	0.00	0.00
17,900.00	90.00	359.62	10,700.01	7,119.98	289.20	7,123.56	0.00	0.00	0.00
18,000.00	90.00	359.62	10,700.01	7,219.98	288.54	7,223.54	0.00	0.00	0.00
18,100.00	90.00	359.62	10,700.01	7,319.98	287.87	7,323.52	0.00	0.00	0.00
18,200.00	90.00	359.62	10,700.01	7,419.98	287.21	7,423.49	0.00	0.00	0.00
18,300.00	90.00	359.62	10,700.01	7,519.98	286.55	7,523.47	0.00	0.00	0.00
18,400.00	90.00	359.62	10,700.01	7,619.97	285.88	7,623.44	0.00	0.00	0.00
18,500.00	90.00	359.62	10,700.01	7,719.97	285.22	7,723.42	0.00	0.00	0.00
18,600.00	90.00	359.62	10,700.01	7,819.97	284.56	7,823.40	0.00	0.00	0.00
18,700.00	90.00	359.62	10,700.01	7,919.97	283.89	7,923.37	0.00	0.00	0.00
18,800.00	90.00	359.62	10,700.01	8,019.97	283.23	8,023.35	0.00	0.00	0.00
18,900.00	90.00	359.62	10,700.01	8,119.96	282.57	8,123.33	0.00	0.00	0.00
19,000.00	90.00	359.62	10,700.01	8,219.96	281.90	8,223.30	0.00	0.00	0.00
19,100.00	90.00	359.62	10,700.01	8,319.96	281.24	8,323.28	0.00	0.00	0.00
19,200.00	90.00	359.62	10,700.01	8,419.96	280.58	8,423.25	0.00	0.00	0.00
19,300.00	90.00	359.62	10,700.01	8,519.95	279.91	8,523.23	0.00	0.00	0.00
19,400.00	90.00	359.62	10,700.01	8,619.95	279.25	8,623.21	0.00	0.00	0.00
19,500.00	90.00	359.62	10,700.01	8,719.95	278.59	8,723.18	0.00	0.00	0.00
19,600.00	90.00	359.62	10,700.01	8,819.95	277.92	8,823.16	0.00	0.00	0.00
19,700.00	90.00	359.62	10,700.01	8,919.95	277.26	8,923.13	0.00	0.00	0.00
19,800.00	90.00	359.62	10,700.01	9,019.94	276.60	9,023.11	0.00	0.00	0.00
19,900.00	90.00	359.62	10,700.01	9,119.94	275.93	9,123.09	0.00	0.00	0.00
20,000.00	90.00	359.62	10,700.01	9,219.94	275.27	9,223.06	0.00	0.00	0.00
20,100.00	90.00	359.62	10,700.01	9,319.94	274.61	9,323.04	0.00	0.00	0.00
20,200.00	90.00	359.62	10,700.01	9,419.93	273.95	9,423.01	0.00	0.00	0.00
20,300.00	90.00	359.62	10,700.01	9,519.93	273.28	9,522.99	0.00	0.00	0.00
20,400.00	90.00	359.62	10,700.01	9,619.93	272.62	9,622.97	0.00	0.00	0.00
20,500.00	90.00	359.62	10,700.01	9,719.93	271.96	9,722.94	0.00	0.00	0.00
20,600.00	90.00	359.62	10,700.01	9,819.93	271.29	9,822.92	0.00	0.00	0.00

ConocoPhillips
Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Company:	DELAWARE BASIN EAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Project:	LEA COUNTY SOUTHEAST	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site:	DOLLY PURTON FEDERAL COM PROJECT	**North Reference:**	Grid
Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
20,700.00	90.00	359.62	10,700.01	9,919.92	270.63	9,922.89	0.00	0.00	0.00
20,800.00	90.00	359.62	10,700.01	10,019.92	269.97	10,022.87	0.00	0.00	0.00
20,900.00	90.00	359.62	10,700.01	10,119.92	269.30	10,122.85	0.00	0.00	0.00
21,000.00	90.00	359.62	10,700.01	10,219.92	268.64	10,222.82	0.00	0.00	0.00
21,100.00	90.00	359.62	10,700.01	10,319.91	267.98	10,322.80	0.00	0.00	0.00
21,200.00	90.00	359.62	10,700.01	10,419.91	267.31	10,422.78	0.00	0.00	0.00
21,300.00	90.00	359.62	10,700.01	10,519.91	266.65	10,522.75	0.00	0.00	0.00
21,400.00	90.00	359.62	10,700.01	10,619.91	265.99	10,622.73	0.00	0.00	0.00
21,500.00	90.00	359.62	10,700.01	10,719.91	265.32	10,722.70	0.00	0.00	0.00
21,600.00	90.00	359.62	10,700.01	10,819.90	264.66	10,822.68	0.00	0.00	0.00
21,700.00	90.00	359.62	10,700.01	10,919.90	264.00	10,922.66	0.00	0.00	0.00
21,800.00	90.00	359.62	10,700.01	11,019.90	263.33	11,022.63	0.00	0.00	0.00
21,900.00	90.00	359.62	10,700.01	11,119.90	262.67	11,122.61	0.00	0.00	0.00
22,000.00	90.00	359.62	10,700.01	11,219.89	262.01	11,222.58	0.00	0.00	0.00
22,100.00	90.00	359.62	10,700.01	11,319.89	261.34	11,322.56	0.00	0.00	0.00
22,200.00	90.00	359.62	10,700.01	11,419.89	260.68	11,422.54	0.00	0.00	0.00
22,300.00	90.00	359.62	10,700.01	11,519.89	260.02	11,522.51	0.00	0.00	0.00
22,400.00	90.00	359.62	10,700.01	11,619.89	259.35	11,622.49	0.00	0.00	0.00
22,500.00	90.00	359.62	10,700.01	11,719.88	258.69	11,722.46	0.00	0.00	0.00
22,600.00	90.00	359.62	10,700.01	11,819.88	258.03	11,822.44	0.00	0.00	0.00
22,700.00	90.00	359.62	10,700.01	11,919.88	257.36	11,922.42	0.00	0.00	0.00
22,800.00	90.00	359.62	10,700.01	12,019.88	256.70	12,022.39	0.00	0.00	0.00
22,900.00	90.00	359.62	10,700.01	12,119.87	256.04	12,122.37	0.00	0.00	0.00
23,000.00	90.00	359.62	10,700.01	12,219.87	255.37	12,222.35	0.00	0.00	0.00
23,100.00	90.00	359.62	10,700.01	12,319.87	254.71	12,322.32	0.00	0.00	0.00
23,200.00	90.00	359.62	10,700.01	12,419.87	254.05	12,422.30	0.00	0.00	0.00
23,300.00	90.00	359.62	10,700.01	12,519.87	253.39	12,522.27	0.00	0.00	0.00
23,400.00	90.00	359.62	10,700.01	12,619.86	252.72	12,622.25	0.00	0.00	0.00
23,500.00	90.00	359.62	10,700.01	12,719.86	252.06	12,722.23	0.00	0.00	0.00
23,600.00	90.00	359.62	10,700.01	12,819.86	251.40	12,822.20	0.00	0.00	0.00
23,700.00	90.00	359.62	10,700.01	12,919.86	250.73	12,922.18	0.00	0.00	0.00
23,800.00	90.00	359.62	10,700.01	13,019.86	250.07	13,022.15	0.00	0.00	0.00
23,900.00	90.00	359.62	10,700.01	13,119.85	249.41	13,122.13	0.00	0.00	0.00
24,000.00	90.00	359.62	10,700.01	13,219.85	248.74	13,222.11	0.00	0.00	0.00
24,100.00	90.00	359.62	10,700.01	13,319.85	248.08	13,322.08	0.00	0.00	0.00
24,200.00	90.00	359.62	10,700.01	13,419.85	247.42	13,422.06	0.00	0.00	0.00
24,300.00	90.00	359.62	10,700.01	13,519.84	246.75	13,522.03	0.00	0.00	0.00
24,400.00	90.00	359.62	10,700.01	13,619.84	246.09	13,622.01	0.00	0.00	0.00
24,500.00	90.00	359.62	10,700.01	13,719.84	245.43	13,721.99	0.00	0.00	0.00
24,600.00	90.00	359.62	10,700.01	13,819.84	244.76	13,821.96	0.00	0.00	0.00
24,700.00	90.00	359.62	10,700.01	13,919.84	244.10	13,921.94	0.00	0.00	0.00
24,800.00	90.00	359.62	10,700.01	14,019.83	243.44	14,021.91	0.00	0.00	0.00
24,900.00	90.00	359.62	10,700.01	14,119.83	242.77	14,121.89	0.00	0.00	0.00
25,000.00	90.00	359.62	10,700.01	14,219.83	242.11	14,221.87	0.00	0.00	0.00
25,100.00	90.00	359.62	10,700.01	14,319.83	241.45	14,321.84	0.00	0.00	0.00
25,200.00	90.00	359.62	10,700.01	14,419.82	240.78	14,421.82	0.00	0.00	0.00
25,300.00	90.00	359.62	10,700.01	14,519.82	240.12	14,521.80	0.00	0.00	0.00
25,400.00	90.00	359.62	10,700.01	14,619.82	239.46	14,621.77	0.00	0.00	0.00
25,500.00	90.00	359.62	10,700.01	14,719.82	238.79	14,721.75	0.00	0.00	0.00
25,600.00	90.00	359.62	10,700.01	14,819.82	238.13	14,821.72	0.00	0.00	0.00
25,700.00	90.00	359.62	10,700.01	14,919.81	237.47	14,921.70	0.00	0.00	0.00
25,800.00	90.00	359.62	10,700.01	15,019.81	236.80	15,021.68	0.00	0.00	0.00
25,900.00	90.00	359.62	10,700.01	15,119.81	236.14	15,121.65	0.00	0.00	0.00

ConocoPhillips
Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well _DOLLY PURRTON FEDERAL COM 502H - Slot SLOT 5
Company:	DELAWARE BASIN EAST	**TVD Reference:**	KB @ 3765.00usft (Original Well Elev)
Project:	LEA COUNTY SOUTHEAST	**MD Reference:**	KB @ 3765.00usft (Original Well Elev)
Site:	DOLLY PURTON FEDERAL COM PROJECT	**North Reference:**	Grid
Well:	_DOLLY PURRTON FEDERAL COM 502H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
26,000.00	90.00	359.62	10,700.01	15,219.81	235.48	15,221.63	0.00	0.00	0.00
26,100.00	90.00	359.62	10,700.01	15,319.80	234.82	15,321.60	0.00	0.00	0.00
26,127.32	90.00	359.62	10,700.01	15,347.12	234.63	15,348.92	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
LTP_DOLLY PURRTON	90.00	359.62	10,700.00	15,355.82	235.06	488,293.40	712,056.27	32° 20' 26.037 N	103° 38' 48.215 W
- plan misses target center by 8.71usft at 26127.32usft MD (10700.00 TVD, 15347.12 N, 234.63 E)									
- Circle (radius 50.00)									
FTP_DOLLY PURRTON	0.00	0.00	10,700.00	-277.17	338.15	472,660.40	712,159.36	32° 17' 51.334 N	103° 38' 48.180 W
- plan misses target center by 210.68usft at 10600.00usft MD (10544.01 TVD, -135.56 N, 337.32 E)									
- Circle (radius 50.00)									
PBHL_DOLLY PURRTO	0.00	179.62	10,700.00	15,405.82	234.71	488,343.39	712,055.93	32° 20' 26.532 N	103° 38' 48.215 W
- plan misses target center by 58.70usft at 26127.32usft MD (10700.00 TVD, 15347.12 N, 234.63 E)									
- Rectangle (sides W100.00 H15,683.00 D20.00)									

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
26,127.32	10,700.01	5-1/2" Production Casing	5-1/2	6

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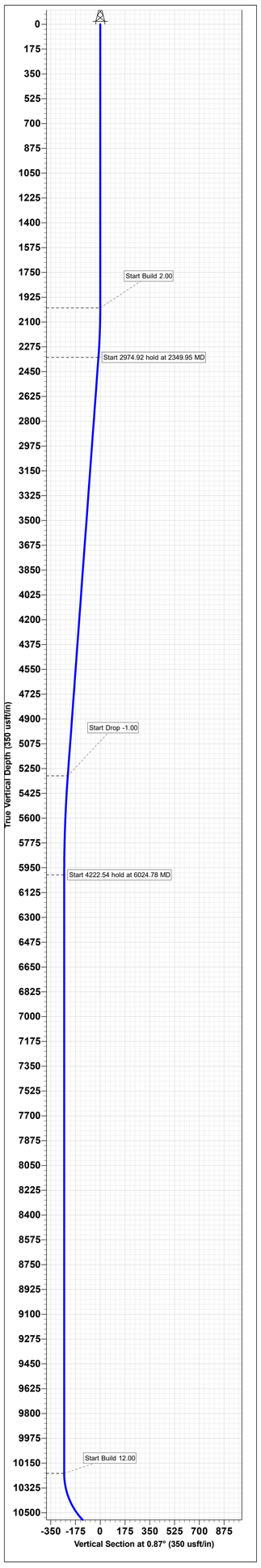
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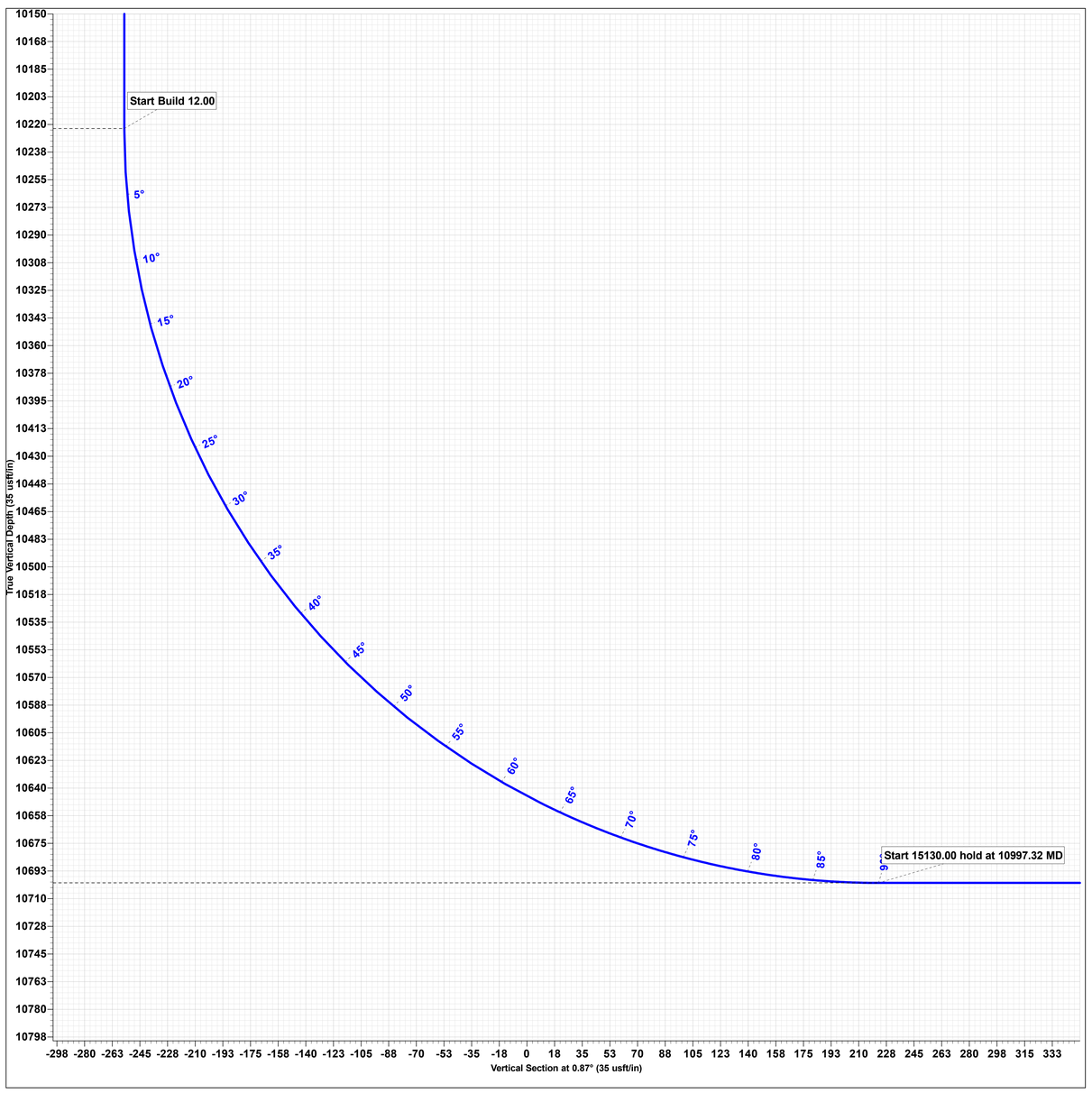
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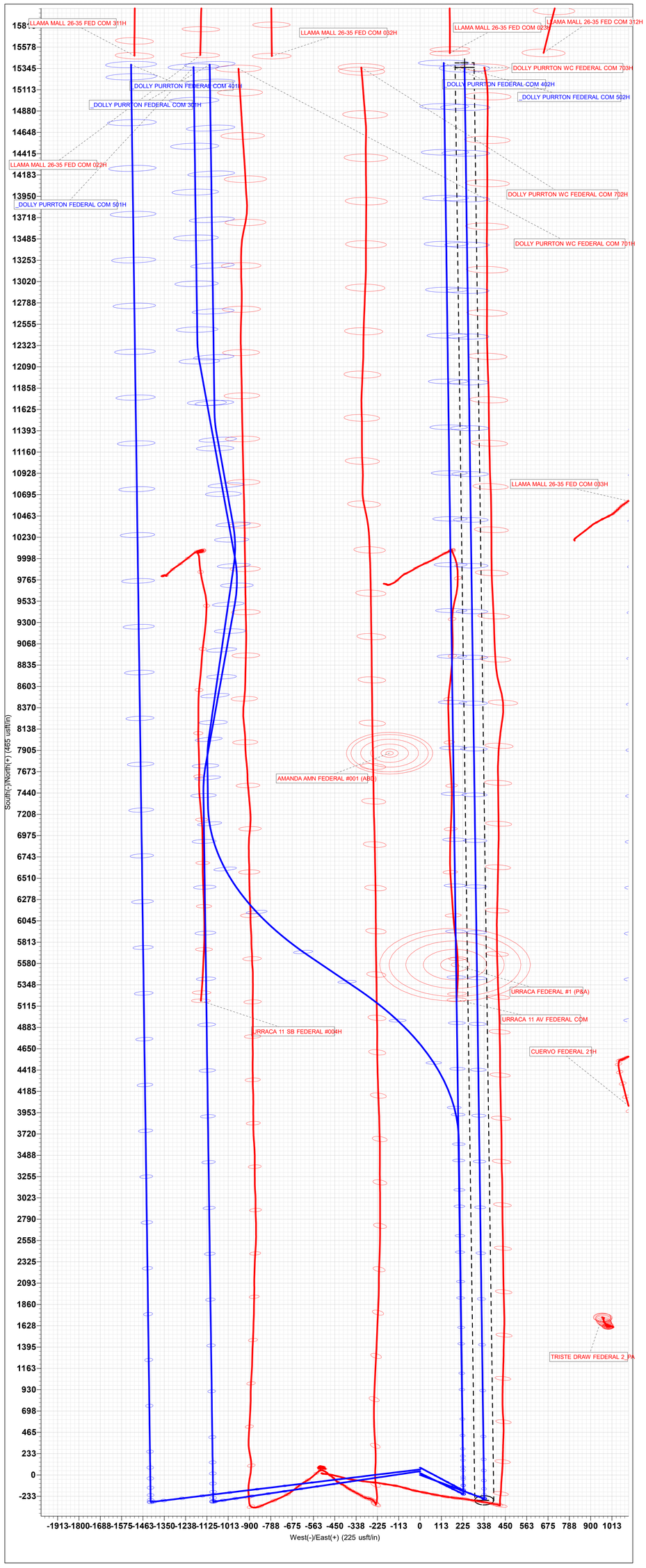
Project:	LEA COUNTY SOUTHEAST
Site:	DOLLY PURTON FEDERAL COM PROJECT
Well:	_DOLLY PURRTON FEDERAL COM 502H
Wellbore:	OWB
Design:	PWP0

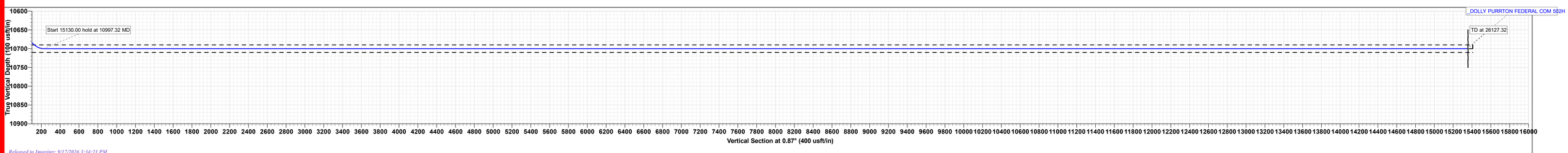
SECTION DETAILS

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
2349.95	7.00	127.56	2349.08	-13.01	16.92	2.00	127.56	-12.75
5324.87	7.00	127.56	5301.83	-233.97	304.30	0.00	0.00	-229.31
6024.78	0.00	0.00	6000.00	-260.00	338.15	1.00	180.00	-254.82
10247.32	0.00	0.00	10222.54	-260.00	338.15	0.00	0.00	-254.82
10997.32	90.00	359.62	10700.00	217.45	334.98	12.00	359.62	222.53
26127.32	90.00	359.62	10700.00	15347.12	234.63	0.00	0.00	15348.92









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Marathon Oil Permian LLC - Dolly Purrton Fed Com 502H

1. Geologic Formations

TVD of target	10,700' EOL	Pilot hole depth	N/A
MD at TD:	26,127'	Deepest expected fresh water:	300'

Formation	Depth (KB TVD)	Water/Mineral Bearing/ Target Zone?	Hazards*
Quarternary Fill	Surface	Water	
Rustler	1246	Water	
Top of Salt	1690	Salt	
Base of Salt	4626	Salt	
Lamar	4919	Salt Water	
Bell Canyon	4992	Salt Water	
Cherry Canyon	5843	Oil/Gas	
Brushy Canyon	7092	Oil/Gas	
Bone Spring	8843	Oil/Gas	
1st Bone Spring Sand	9993	Oil/Gas	
1st Bone Spring Shale	10234	Oil/Gas	
2nd Bone Spring Sand	10514	Target Oil/Gas	
3rd Bone Spring Carbonate	11072	Not Penetrated	
		Not Penetrated	
		Not Penetrated	

2a. Casing Program: 7-7/8" Hole (Shallow Int.) & WBM

3-string (Design A)										
Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
14.75"	0	1540	10.750"	45.5	J55	BTC	2.97	3.81	10.20	11.36
9.875"	0	4,940	8.625"	32	P110-ICY	W441	2.05	5.96	7.24	5.88
7.88"	0	26,127	5.500"	23	P110-CY	TXP-BTC	4.16	3.04	2.96	2.96
			COP Minimum Safety Factor				1.05	1.15	1.4	1.4

2b. Casing Program: 7-7/8" Hole & WBM

3-string (Design B)										
Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
14.75"	0	1540	10.750"	45.5	J55	BTC	2.97	3.81	10.20	11.36
9.875"	0	10,150	8.625"	32	P110-ICY	W441	1.71	2.12	3.52	2.86
7.88"	0	26,127	5.500"	23	P110-CY	TXP-BTC	4.16	3.04	2.96	2.96
			COP Minimum Safety Factor				1.05	1.15	1.4	1.4

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

Marathon Oil Permian LLC - Dolly Purrton Fed Com 502H

2c. Contingency Casing Program: Slim Hole & OBM

4-string (Design C)										
Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
14.75''	0	1540	10.750''	45.5	J55	BTC	2.97	3.81	10.20	11.36
9.875''	0	8,200	7.625''	29.7	L80-ICY	BTC	3.02	1.62	2.98	2.63
8.75''	8,200	10,150	7.625''	29.7	P110-ICY	W513	3.70	2.32	3.54	2.13
6.75''	0	9,950	5.500''	23	P110-CY	TXP-BTC	7.32	3.04	3.19	3.19
6.75''	9,950	26,127	5.500''	23	P110-CY	W441	6.26	3.04	2.96	2.69
			COP Minimum Safety Factor				1.05	1.15	1.4	1.4

- Contingency casing design will be used where water based mud is not deemed applicable.
- If drilling conditions dictate, 9.875" open hole may be taken to section TD.
- Intermediate casing will be kept at least 1/3 full while running casing to mitigate collapse.
- Surface burst based on 0.7 frac gradient at the shoe with Gas Gradient 0.1 psi/ft to surface.
- All casing strings will be tested in accordance with 43 CFR Part 3170 Subpart 3172.
- New casing meeting API standards will be utilized.
- The 5-1/2" W441 casing will be run back 200' into intermediate casing to ensure the coupling OD clearance is greater than .422" for the cement bond tie in.

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

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Marathon Oil Permian LLC - Dolly Purrton Fed Com 502H

3a. Cementing Program (Design A)

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H_20 gal/sk	500# Comp. Strength (hrs)	Slurry Description
Surface	400	13.5	1.75	9	12	Lead: Class C
	130	14.8	1.34	6.34	8	Tail: Class C
Intermediate	290	12.8	1.8	9.21	12	Lead: Class C
	100	14.8	1.34	6.52	8	Tail: Class C
Production	1280	11	2.46	9.09	72	Lead: Class C
	2340	13.2	1.18	5.26	19	Tail: Class C

- Surface and intermediate cement jobs to be performed offline.
- Volumes Subject to Observed Hole Conditions and/or Fluid Caliper Results
- Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

Casing String	TOC	% Excess
Surface	0'	50% in OH
1st Intermediate	0'	50% in OH
Production	4,440'	20% OH in Lateral

3b. Cementing Program (Design B)

Shallow 3-string (Design B)						
Casing	**# Sks**	**Wt. lb/ gal**	**Yld ft3/ sack**	**H_20 gal/sk**	**500# Comp. Strength (hrs)**	**Slurry Description**
Surface	400	13.5	1.75	9	12	Lead: Class C
	130	14.8	1.34	6.34	8	Tail: Class C
Intermediate BH Stage 1	N/A	N/A	N/A	N/A	N/A	N/A
	290	14.8	1.34	6.52	8	Tail: Class C
Intermediate BH Stage 2	2500	13	1.93	10.57	4	Bradenhead: Thixotropic Class C
	400	14.8	1.33	6.4	5	Top Out: Class C
Production	750	11	2.46	9.09	72	Lead: Class C
	2340	13.2	1.18	5.26	19	Tail: Class C

- Surface and intermediate cement jobs to be performed offline.
- Volumes Subject to Observed Hole Conditions and/or Fluid Caliper Results
- Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

Casing String	TOC	% Excess
Surface	0'	50% in OH
Intermediate BH Stage 1	7,092	0% in OH
Intermediate BH Stage 2	0'	50% in OH
Production	9,650'	20% OH in Lateral

Marathon Oil Permian LLC - Dolly Purrton Fed Com 502H

3c. Cementing Program for OBM (Design C)

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H_20 gal/sk	500# Comp. Strength (hrs)	Slurry Description
Surface	400	13.5	1.75	9	12	Lead: Class C
	130	14.8	1.34	6.34	8	Tail: Class C
Intermediate Stage 1	1510	12.8	1.75	9.21	12	Lead: Class C
	120	14.8	1.35	6.6	8	Tail: Class C
Intermediate Stage 2	340	10.5	3.3	22	24	Lead: Class C
	160	14.8	1.35	6.6	8	Tail: Class C
Production	380	11	2.46	9.09	72	Lead: Class C
	1380	13.2	1.18	5.26	19	Tail: Class C

- Surface and intermediate cement jobs to be performed offline.
- Cement design to be run in the event the deep set intermediate design is used.
- If losses are encountered, a DV tool will be run ~50' into the Lamar to ensure cement to surface.
- Request bradenhead cement job as contingency in the event losses are encountered or cement is not returned to surface on primary job.
- Volumes Subject to Observed Hole Conditions and/or Fluid Caliper Results.
- Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

Casing String	TOC	% Excess
Surface	0’	50%
1st Stage Int	0’	50%
2nd Stage Int (if necessary)	0'	50%
Production	9,650'	20% OH in Lateral

Marathon Oil Permian LLC - Dolly Purrton Fed Com 502H

4. Pressure Control Equipment

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

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	x	Tested to:
12-1/4" or 9-7/8"	13-5/8"	5M	Annular	x	2500psi
			Blind Ram	x	5000psi
			Pipe Ram	x	
			Double Ram	x	
			Other*		
8-3/4" (int)	13-5/8"	5M	5M Annular	x	2500psi
			Blind Ram	x	5000psi
			Pipe Ram	x	
			Double Ram	x	
			Other*		
8-3/4" (prod) or 7-7/8" or 6-3/4"	13-5/8"	10M	5M Annular	x	5000psi
			Blind Ram	x	10000 psi
			Pipe Ram	x	
			Double Ram	x	
			Other*		

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

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

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

5a. Mud Program (Design A)

Depth		Type	Weight (ppg)	Visc.	Water Loss
From	To				
0	Surf. Shoe	FW Gel	8.6 - 8.8	28-34	N/C
Surf. Shoe	8-5/8" Int 1 shoe	Saturated Brine	9 - 10	28-34	N/C
8-5/8" Int 1 shoe	Lateral TD	WBM	8.6 - 10.5	28-34	N/C

5b. Mud Program (Design B)

WBM					
Depth		Type	Weight (ppg)	Visc.	Water Loss
From	To				
0	Surf. Shoe	FW Gel	8.6 - 8.8	28-34	N/C
Surf. Shoe	8-5/8" Int 1 shoe	Brine Diesel Emulsion	8.6 - 10	28-34	N/C
8-5/8" Int 1 shoe	Lateral TD	WBM	8.6 - 10.5	28-34	N/C

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

5c. Mud Program (Design C)

Depth		Type	Weight (ppg)	Visc.	Water Loss
From	To				
0	Surf. Shoe	FW Gel	8.6 - 8.8	28-34	N/C
Surf. Shoe	7 5/8" Int 1 shoe	Brine Diesel Emulsion	8.6 - 10	28-34	N/C
7 5/8" Int 1 shoe	Lateral TD	OBM	9.6 - 10.5	35-45	<20

Mud program to be used in the event 4-string design is run. Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

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

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6. Logging and Testing Procedures

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

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

7a. Drilling Conditions (WBM)

Condition	Specify what type and where?
BH Pressure at deepest TVD	5845 psi at 10700' TVD
Abnormal Temperature	NO 165 Deg. F.

7a. Drilling Conditions (OBM)

Condition	Specify what type and where?
BH Pressure at deepest TVD	5845 psi at 10700' TVD
Abnormal Temperature	NO 165 Deg. F.

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

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

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

8. Other Facets of Operation

Y	Is it a walking operation?
N	Is casing pre-set?

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

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2a. Casing Program: 7-7/8" Hole (Shallow Int.) & WBM

3-string (Design A)										
Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
14.75''	0	1540	10.750''	45.5	J55	BTC	2.97	3.81	10.20	11.36
9.875''	0	4,940	8.625''	32	P110-ICY	W441	2.05	5.96	7.24	5.88
7.88''	0	26,127	5.500''	23	P110-CY	TXP-BTC	4.16	3.04	2.96	2.96
					COP Minimum Safety Factor		1.05	1.15	1.4	1.4

2b. Casing Program: 7-7/8" Hole & WBM

3-string (Design B)										
Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
14.75''	0	1540	10.750''	45.5	J55	BTC	2.97	3.81	10.20	11.36
9.875''	0	10,150	8.625''	32	P110-ICY	W441	1.71	2.12	3.52	2.86
7.88''	0	26,127	5.500''	23	P110-CY	TXP-BTC	4.16	3.04	2.96	2.96
					COP Minimum Safety Factor		1.05	1.15	1.4	1.4

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

Marathon Oil Permian LLC - Dolly Purrton Fed Com 502H

2c. Contingency Casing Program: Slim Hole & OBM

4-string (Design C)										
Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
14.75''	0	1540	10.750''	45.5	J55	BTC	2.97	3.81	10.20	11.36
9.875''	0	8,200	7.625''	29.7	L80-ICY	BTC	3.02	1.62	2.98	2.63
8.75''	8,200	10,150	7.625''	29.7	P110-ICY	W513	3.70	2.32	3.54	2.13
6.75''	0	9,950	5.500''	23	P110-CY	TXP-BTC	7.32	3.04	3.19	3.19
6.75''	9,950	26,127	5.500''	23	P110-CY	W441	6.26	3.04	2.96	2.69
					COP Minimum Safety Factor		1.05	1.15	1.4	1.4

- Contingency casing design will be used where water based mud is not deemed applicable.
- If drilling conditions dictate, 9.875" open hole may be taken to section TD.
- Intermediate casing will be kept at least 1/3 full while running casing to mitigate collapse.
- Surface burst based on 0.7 frac gradient at the shoe with Gas Gradient 0.1 psi/ft to surface.
- All casing strings will be tested in accordance with 43 CFR Part 3170 Subpart 3172.
- New casing meeting API standards will be utilized.
- The 5-1/2" W441 casing will be run back 200' into intermediate casing to ensure the coupling OD clearance is greater than .422" for the cement bond tie in.

Marathon Oil Permian LLC - Dolly Purrton Fed Com 502H

3a. Cementing Program (Design A)

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H_20 gal/sk	500# Comp. Strength (hrs)	Slurry Description
Surface	400	13.5	1.75	9	12	Lead: Class C
	130	14.8	1.34	6.34	8	Tail: Class C
Intermediate	290	12.8	1.8	9.21	12	Lead: Class C
	100	14.8	1.34	6.52	8	Tail: Class C
Production	1280	11	2.46	9.09	72	Lead: Class C
	2340	13.2	1.18	5.26	19	Tail: Class C

- Surface and intermediate cement jobs to be performed offline.
- Volumes Subject to Observed Hole Conditions and/or Fluid Caliper Results
- Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

Casing String	TOC	% Excess
Surface	0'	50% in OH
1st Intermediate	0'	50% in OH
Production	4,440'	20% OH in Lateral

3b. Cementing Program (Design B)

Shallow 3-string (Design B)						
Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H_20 gal/sk	500# Comp. Strength (hrs)	Slurry Description
Surface	400	13.5	1.75	9	12	Lead: Class C
	130	14.8	1.34	6.34	8	Tail: Class C
Intermediate BH Stage 1	N/A	N/A	N/A	N/A	N/A	N/A
	290	14.8	1.34	6.52	8	Tail: Class C
Intermediate BH Stage 2	2500	13	1.93	10.57	4	Bradenhead: Thixotropic Class C
	400	14.8	1.33	6.4	5	Top Out: Class C
Production	750	11	2.46	9.09	72	Lead: Class C
	2340	13.2	1.18	5.26	19	Tail: Class C

- Surface and intermediate cement jobs to be performed offline.
- Volumes Subject to Observed Hole Conditions and/or Fluid Caliper Results
- Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

Casing String	TOC	% Excess
Surface	0'	50% in OH
Intermediate BH Stage 1	7,092	0% in OH
Intermediate BH Stage 2	0'	50% in OH
Production	9,650'	20% OH in Lateral

Marathon Oil Permian LLC - Dolly Purrton Fed Com 502H

3c. Cementing Program for OBM (Design C)

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H_20 gal/sk	500# Comp. Strength (hrs)	Slurry Description
Surface	400	13.5	1.75	9	12	Lead: Class C
	130	14.8	1.34	6.34	8	Tail: Class C
Intermediate Stage 1	1510	12.8	1.75	9.21	12	Lead: Class C
	120	14.8	1.35	6.6	8	Tail: Class C
Intermediate Stage 2	340	10.5	3.3	22	24	Lead: Class C
	160	14.8	1.35	6.6	8	Tail: Class C
Production	380	11	2.46	9.09	72	Lead: Class C
	1380	13.2	1.18	5.26	19	Tail: Class C

- Surface and intermediate cement jobs to be performed offline.
- Cement design to be run in the event the deep set intermediate design is used.
- If losses are encountered, a DV tool will be run ~50' into the Lamar to ensure cement to surface.
- Request bradenhead cement job as contingency in the event losses are encountered or cement is not returned to surface on primary job.
- Volumes Subject to Observed Hole Conditions and/or Fluid Caliper Results.
- Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

Casing String	TOC	% Excess
Surface	0’	50%
1st Stage Int	0’	50%
2nd Stage Int (if necessary)	0'	50%
Production	9,650'	20% OH in Lateral

Marathon Oil Permian LLC

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description

Effective May 25, 2021

I. Operator: Marathon Oil Permian LLC OGRID: 336452 Date: 1/8/2026

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
Dolly Purrton Federal Com 502H	30-025-	N-14-23S-32E	382 FSL & 1755 FWL	± 1323	± 1690	± 3115

IV. Central Delivery Point Name: _____ [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
Dolly Purrton Federal Com 502H	Pending	7/21/2027	± 25 days from spud	11/18/2027	11/28/2027	12/3/2027

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.

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

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.

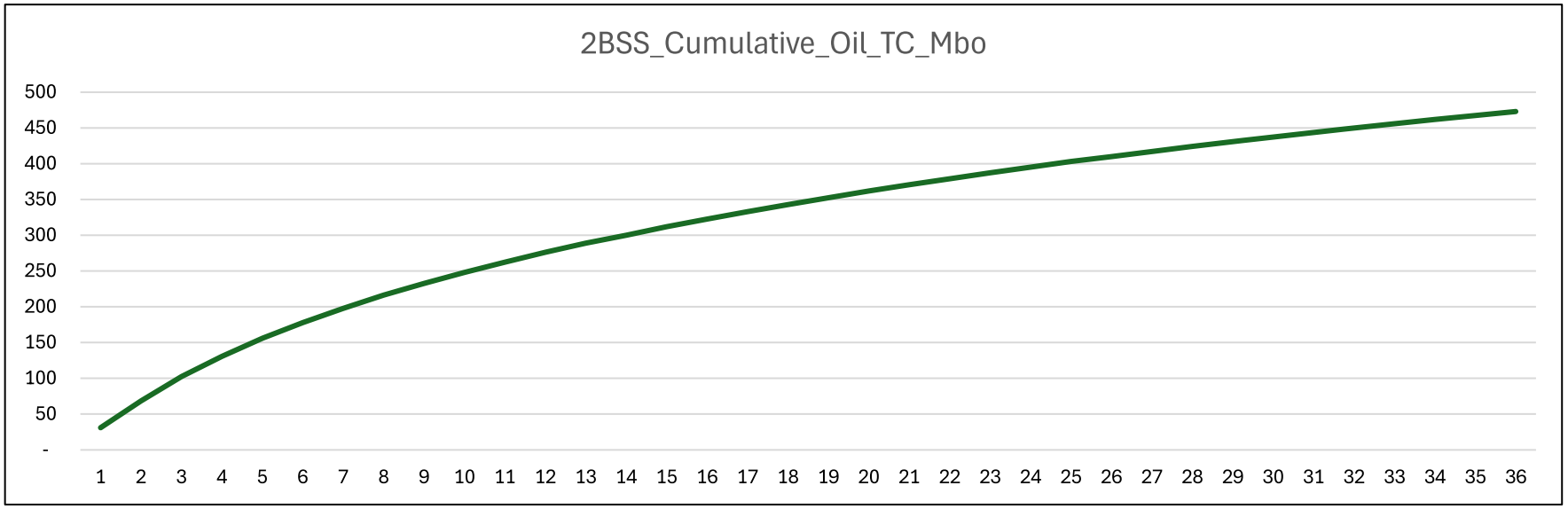
Signature:	Mayte Reyes
Printed Name:	Mayte Reyes
Title:	Sr. Regulatory Coodinator
E-mail Address:	mayte.x.reyes@conocophillips.com
Date:	1/8/2026
Phone:	575-748-6945

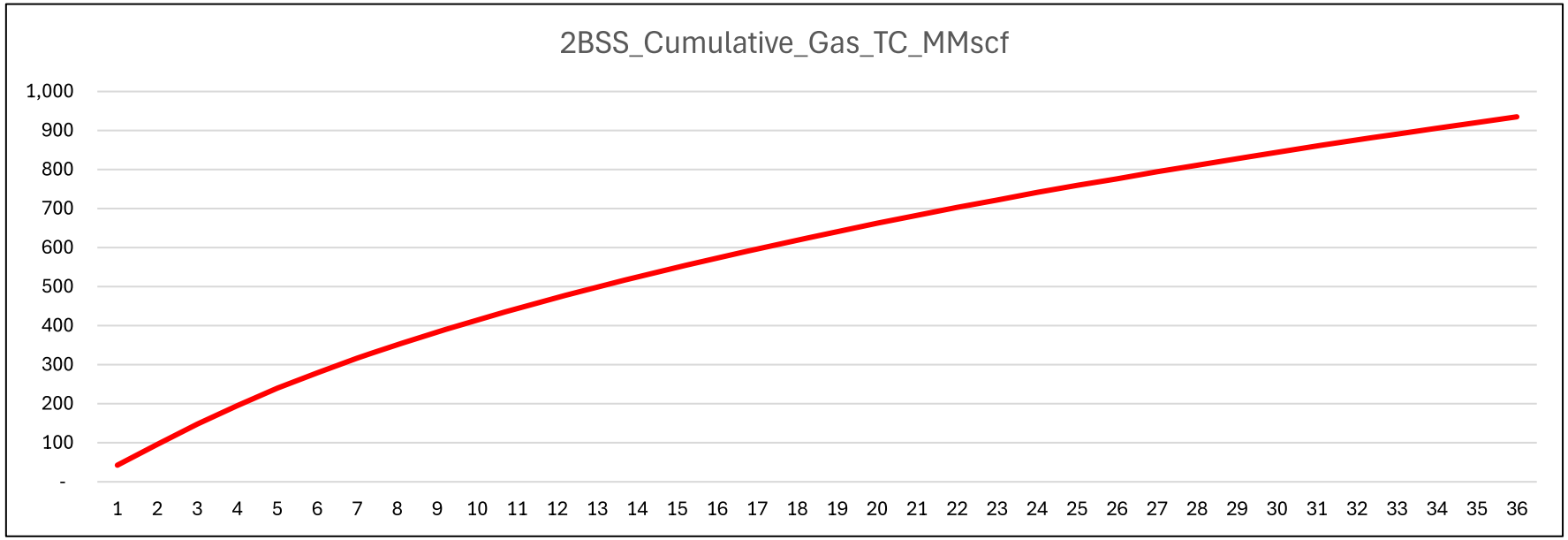
OIL CONSERVATION DIVISION
(Only applicable when submitted as a standalone form)

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

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Anticipated Production Decline Curve





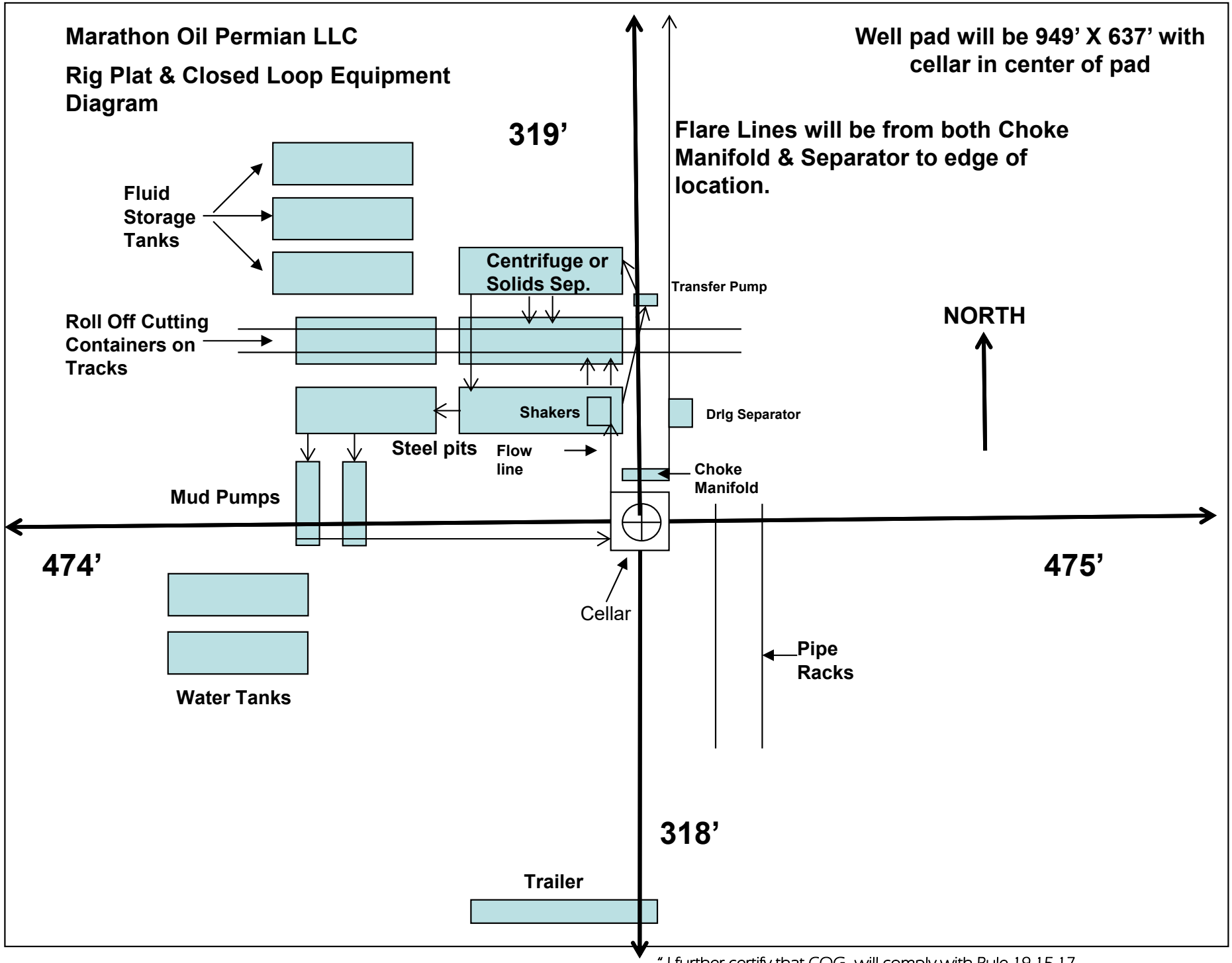
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Marathon Oil Permian LLC

Rig Plat & Closed Loop Equipment Diagram

Well pad will be 949' X 637' with cellar in center of pad

Flare Lines will be from both Choke Manifold & Separator to edge of location.



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

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	MARATHON OIL PERMIAN LLC
WELL NAME & NO.:	DOLLY PURRTON FED COM 502H
LOCATION:	Section 14, T.23 S., R.32 E., NMP
COUNTY:	Lea County, New Mexico

Create COAs

H_2S	Cave / Karst	Waste Prevention Rule
Present	Low	Waste Minimization Plan

Potash	R-111-Q Design
None	

Wellhead	Casing	Cementing
Multibowl	3-String Well	DV Tool, Bradenhead, Echometer
Flex Hose	Liner, Fluid Filled, Casing Clearance	Offline Cement, Open Annulus, Pilot Hole
Break Testing		

Special Requirements

Capitan Reef, Water Disposal, COM, Unit

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated AT SPUD. As a result, the Hydrogen Sulfide area must meet 43 CFR part 3170 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

Contingency Plan 2B is not approved and if needed please submit sundry

B. CASING

1. The **10-3/4** inch surface casing shall be set at approximately **1540** feet (a minimum of **70'** into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.
   a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic-type temperature survey with surface

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log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.

b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or **500 pounds compressive strength**, whichever is greater (including lead cement.)
c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
d. If cement falls back, remedial cementing will be done prior to drilling out that string.

2. The minimum required fill of cement behind the **8-5/8** inch intermediate casing is **cement to surface**. If cement does not circulate, see B.1.a, c-d above.

Bradenhead Squeeze: Operator has proposed to cement in two stages by conventionally cementing the first stage and performing a bradenhead squeeze on the second stage, contingent upon no returns to surface.

a. **First stage:** Operator will cement with intent to reach the top of the **Brushy Canyon**.
b. **Second stage:** Operator to squeeze and top-out. Cement to meet requirements listed for this casing string. If cement does not circulate see B.1.a, c-d above.

Operator has proposed to pump down **Surface X Intermediate 1** annulus. Submit results to the BLM. If cement does not tie back into the previous casing shoe, a third stage remediation BH may be performed. The appropriate BLM office shall be notified.

- Operator shall run a CBL from TD of the **Intermediate 1** casing to tieback requirements after the second stage BH to verify TOC.
- **Operator shall run Echo-meter to verify Cement Slurry/Fluid top in the annulus.** Submit results to the BLM. No displacement fluid/wash out shall be utilized at the top of the cement slurry between second stage BH and top out.
    - Operator must use a limited flush fluid volume of 1 bbl following backside cementing procedures.
    - No displacement fluid/wash out shall be utilized at the top of the cement slurry during second stage bradenhead when running Echo-meter if cement is required to surface.
    - Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.

3. The minimum required fill of cement behind the **5-1/2** inch production casing is at least **200 feet** into previous casing string. Operator shall use one of the approved methods for cement verification located in the **General Requirements, Section A.1**.

- If cement does not circulate to surface on the previous casing, this string must come to surface.

Contingency Plan

C. CASING

4. The **10-3/4** inch surface casing shall be set at approximately **1540** feet (a minimum of **70'** into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.
    e. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic-type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
    f. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or **500 pounds compressive strength**, whichever is greater (including lead cement.)
    g. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
    h. If cement falls back, remedial cementing will be done prior to drilling out that string.

Intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.

5. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is **cement to surface**. If cement does not circulate, see B.1.a, c-d above.

    Bradenhead Squeeze: Operator has proposed to cement in two stages by conventionally cementing the first stage and performing a bradenhead squeeze on the second stage, contingent upon no returns to surface.
    c. **First stage:** Operator will cement with intent to reach the top of the **Brushy Canyon**.
    d. **Second stage:** Operator to squeeze and top-out. Cement to meet requirements listed for this casing string. If cement does not circulate see B.1.a, c-d above.

    Operator has proposed to pump down **Surface X Intermediate 1** annulus. Submit results to the BLM. If cement does not tie back into the previous casing shoe, a third stage remediation BH may be performed. The appropriate BLM office shall be notified.
    - Operator shall run a CBL from TD of the **Intermediate 1** casing to tieback requirements after the second stage BH to verify TOC.
    - **Operator shall run Echo-meter to verify Cement Slurry/Fluid top in the annulus.** Submit results to the BLM. No displacement fluid/wash out shall be utilized at the top of the cement slurry between second stage BH and top out.

- Operator must use a limited flush fluid volume of 1 bbl following backside cementing procedures.
- No displacement fluid/wash out shall be utilized at the top of the cement slurry during second stage bradenhead when running Echo-meter if cement is required to surface.
- Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.

6. The minimum required fill of cement behind the **5-1/2** inch production casing is at least **200 feet** into previous casing string. Operator shall use one of the approved methods for cement verification located in the **General Requirements, Section A.1**.
    - If cement does not circulate to surface on the previous casing, this string must come to surface.

D. PRESSURE CONTROL

1. Operator has proposed a multi-bowl wellhead assembly. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **10,000 (10M)** psi. **Variance is approved to use a 5000 (5M) annular which shall be tested to 5000 (5M) psi.**
    a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
    b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
    c. Manufacturer representative shall install the test plug for the initial BOP test.
    d. If the cement does not circulate and one-inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
    e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172 must be followed.

2. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).
3. Break testing has been approved for this well ONLY on those intervals utilizing a 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP.)** If in the event break testing is not utilized, then a full BOPE test would be conducted.
    a. Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation. **BOPE Break Testing is NOT permitted to drill the production hole section.**

b. While in transfer between wells, BOPE shall be secured by the hydraulic carrier or cradle.
c. A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
d. As a minimum, a full BOPE test shall be performed at 21-day intervals.
e. In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per **43 CFR 3172**. Any well control event while drilling require notification to the BLM Petroleum Engineer **(575-706-2779)** prior to the commencement of any BOPE Break Testing operations.

E. SPECIAL REQUIREMENT(S)

Communitization Agreement:

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- The operator will submit an as-drilled survey well plat of the well completion, but are not limited to, those specified in 43 CFR 3171 and 3172.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

Offline Cementing

Offline cementing has been approved for **all hole sections, excluding production.** Contact the BLM prior to the commencement of any offline cementing procedure.

Casing Clearance

String does not meet 0.422" clearance requirement per 43 CFR 3172. Cement tieback requirement increased 100' for Production casing tieback. Operator may contact approving engineer to discuss changing casing set depth or grade to meet clearance requirement.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

a. Spudding well (minimum of 24 hours)
b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
c. BOPE tests (minimum of 4 hours)

For multi-well pads, notifications for the following operations may be made together going from one well to the next. This does **NOT** apply to notifications for wells in the R111Q potash area:

- Casing run
- Offline cementing
- Break testing

Contact Lea County Petroleum Engineering Inspection Staff:

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

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
    a. In the event the operator proposed to drill multiple wells utilizing a skid / walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
    b. When the operator proposes to set surface casing with Spudder Rig
        i. Notify the BLM when moving in and removing the Spudder Rig.
        ii. Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
        iii. BOP/BOPE test to be conducted per **43 CFR 3172** as soon as 2nd Rig is rigged up on swell.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will always be operational during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the doghouse or stairway area.
3. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

A. CASING & CEMENT

1. The current acceptable methods of cement verification are as follows:

i. Observing cement circulated to surface,
ii. Cement Bond Log (CBL),
iii. Temperature log within 8-10 hours after completing the cement job,
iv. Echometer (if a second-stage bradenhead is being utilized and operator was granted approval prior to operations.)

2. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
3. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
5. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Well specific cement details must be onsite prior to pumping the cement for each casing string.
6. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
7. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
8. If hard band drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

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9. Whenever a casing string is cemented in the R-111-Q potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR 3172**.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
    i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
    ii. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
    iii. Manufacturer representative shall install the test plug for the initial BOP test.
    iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
    v. If the cement does not circulate and one-inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
    i. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including

lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).

ii. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (This only applies to single stage cement jobs, prior to the cement setting up.)

iii. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).

iv. The test shall be run on a 5000-psi chart for a 2-3M BOP/BOP, on a 10000-psi chart for a 5M BOP/BOPE and on a 15000-psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one-hour chart. A circular chart shall have a maximum 2-hour clock. If a twelve hour or twenty-four-hour chart is used, tester shall make a notation that it is run with a two -our clock.

v. The results of the test shall be reported to the appropriate BLM office.

vi. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.

vii. The BOP/BOPE test shall include a low-pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.

viii. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR 3172**.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created because of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

JS 4/13/2026

Approval Date: 04/16/2026

Well Name	Well Number	US Well Number	Lease Number	Case Number	Operator
DOLLY PURRTON FEDERAL COM	301H		NMNM84729	NMNM84729	MARATHON OIL
DOLLY PURRTON FEDERAL COM	401H		NMNM84729	NMNM84729	MARATHON OIL
DOLLY PURRTON FEDERAL COM	402H		NMNM84729	NMNM84729	MARATHON OIL
DOLLY PURRTON FEDERAL COM	501H		NMNM84729	NMNM84729	MARATHON OIL
DOLLY PURRTON FEDERAL COM	502H		NMNM84729	NMNM84729	MARATHON OIL

Notice of Intent

Sundry ID: 2920679

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 07/07/2026

Time Sundry Submitted: 09:44

Date proposed operation will begin: 07/07/2026

Procedure Description: Marathon Oil Permian LLC, respectfully requests approval for the following changes to the original approved APDs. Defining Well: Dolly Purrton Federal Com 402H: Defining Well. Dolly Purrton Federal Com 401H, 501H and 502H: Infill Wells. C102s Attached. Dedicated Acreage Change: Dolly Purrton Federal Com 301H: From 959.29 To: 799.29 C102s attached.

NOI Attachments

Procedure Description

MRO_Dolly_Purrton_502H_C102_Red_Tank_20260723103430.pdf

MRO_Dolly_Purrton_502H_C102_Diamondtail_20260723103430.pdf

MRO_Dolly_Purrton_401H_C102_Red_Tank_20260723103424.pdf

MRO_Dolly_Purrton_402H_C102_Red_Tank_20260723103425.pdf

MRO_Dolly_Purrton_501H_C102_Red_Tank_20260723103425.pdf

MRO_Dolly_Purrton_401H_C102_Diamondtail_20260723103424.pdf

MRO_Dolly_Purrton_301H_C102_Red_Tank_20260723103424.pdf

MRO_Dolly_Purrton_501H_C102_Diamondtail_20260723103424.pdf

MRO_Dolly_Purrton_402H_C102_Diamondtail_20260723103424.pdf

MRO_Dolly_Purrton_301H_C102_Diamondtail_20260723103420.pdf

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Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: MAYTE REYES **Signed on:** JUL 23, 2026 10:22 AM

Name: MARATHON OIL PERMIAN LLC

Title: Regulatory Analyst

Street Address: 925 N ELDRIDGE PARKWAY

City: HOUSTON **State:** TX

Phone: (281) 293-1000

Email address: MAYTE.X.REYES@CONOCOPHILLIPS.COM

Field

Representative Name: Robyn Russell

Street Address: 600 W. Illinois Ave.

City: Midland **State:** TX **Zip:** 79701

Phone: (432)685-4385

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

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS **BLM POC Title:** Petroleum Engineer

BLM POC Phone: 5752342234 **BLM POC Email Address:** CWALLS@BLM.GOV

Disposition: Accepted **Disposition Date:** 08/03/2026

Signature: Chris Walls

CONFIDENTIAL

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No. MULTIPLE

6. If Indian, Allottee or Tribe Name MULTIPLE

7. If Unit of CA/Agreement, Name and/or No. MULTIPLE

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

8. Well Name and No. MULTIPLE

2. Name of Operator MARATHON OIL PERMIAN LLC

9. API Well No. MULTIPLE

3a. Address 990 TOWN & COUNTRY BLVD, HOUSTON, TX

3b. Phone No. *(include area code)* (713) 296-2113

10. Field and Pool or Exploratory Area MULTIPLE

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* MULTIPLE

11. Country or Parish, State MULTIPLE

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☑ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

Marathon Oil Permian LLC, respectfully requests approval for the following changes to the original approved APDs.

Defining Well:
Dolly Purrton Federal Com 402H: Defining Well.
Dolly Purrton Federal Com 401H, 501H and 502H: Infill Wells.
C102s Attached.

Dedicated Acreage Change:
Dolly Purrton Federal Com 301H: From 959.29 To: 799.29
C102s attached.

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* MAYTE REYES / Ph: (281) 293-1000

Title Regulatory Analyst

Signature (Electronic Submission)

Date 07/23/2026

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by CHRISTOPHER WALLS / Ph: (575) 234-2234 / Accepted

Title Petroleum Engineer

Date 08/03/2026

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office CARLSBAD

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.
ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.
EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.
Response to this request is mandatory.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect ofthis form to U.S. Department ofthe Interior, Bureau ofLand Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Batch Well Data

DOLLY PURRTON FEDERAL COM 301H, US Well Number: null, Case Number: NMNM84729, Lease Number: NMNM84729, Operator:MARATHON OIL PERMIAN LLC

DOLLY PURRTON FEDERAL COM 401H, US Well Number: null, Case Number: NMNM84729, Lease Number: NMNM84729, Operator:MARATHON OIL PERMIAN LLC

DOLLY PURRTON FEDERAL COM 402H, US Well Number: null, Case Number: NMNM84729, Lease Number: NMNM84729, Operator:MARATHON OIL PERMIAN LLC

DOLLY PURRTON FEDERAL COM 501H, US Well Number: null, Case Number: NMNM84729, Lease Number: NMNM84729, Operator:MARATHON OIL PERMIAN LLC

DOLLY PURRTON FEDERAL COM 502H, US Well Number: null, Case Number: NMNM84729, Lease Number: NMNM84729, Operator:MARATHON OIL PERMIAN LLC

CONFIDENTIAL

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

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-025-	17644	Diamondtail; Bone Spring

Property Code	Property Name	Well Number
	DOLLY PURRTON FEDERAL COM	301H

OGRID No.	Operator Name	Ground Level Elevation
372098	MARATHON OIL PERMIAN LLC	3716.5'

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
N	14	23-S	32-E		462 FSL	1755 FWL	32.298705°N	103.648284°W	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
4	2	23-S	32-E		50 FNL	660 FWL	32.340810°N	103.651841°W	LEA

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
480	Defining	Pending 301H	Y	COM

Order Numbers. Well setbacks are under Common Ownership: ☐Yes ☐No N/A

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
N	14	23-S	32-E		462 FSL	1755 FWL	32.298705°N	103.648284°W	LEA

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
N	14	23-S	32-E		100 FSL	1980 FWL	32.297712°N	103.647556°W	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
4	2	23-S	32-E		100 FNL	660 FWL	32.340673°N	103.651841°W	LEA

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation:
COM		3716.5'

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.

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Signature Mayte Reyes Date 1/8/2026

Printed Name Mayte Reyes

Email Address mayte.x.reyes@conocophillips.com

SURVEYOR CERTIFICATIONS

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



Chad Harcrow 8/25/25

Signature and Seal of Professional Suveyor

Certificate Number 17777

Date of Survey AUGUST 19, 2025

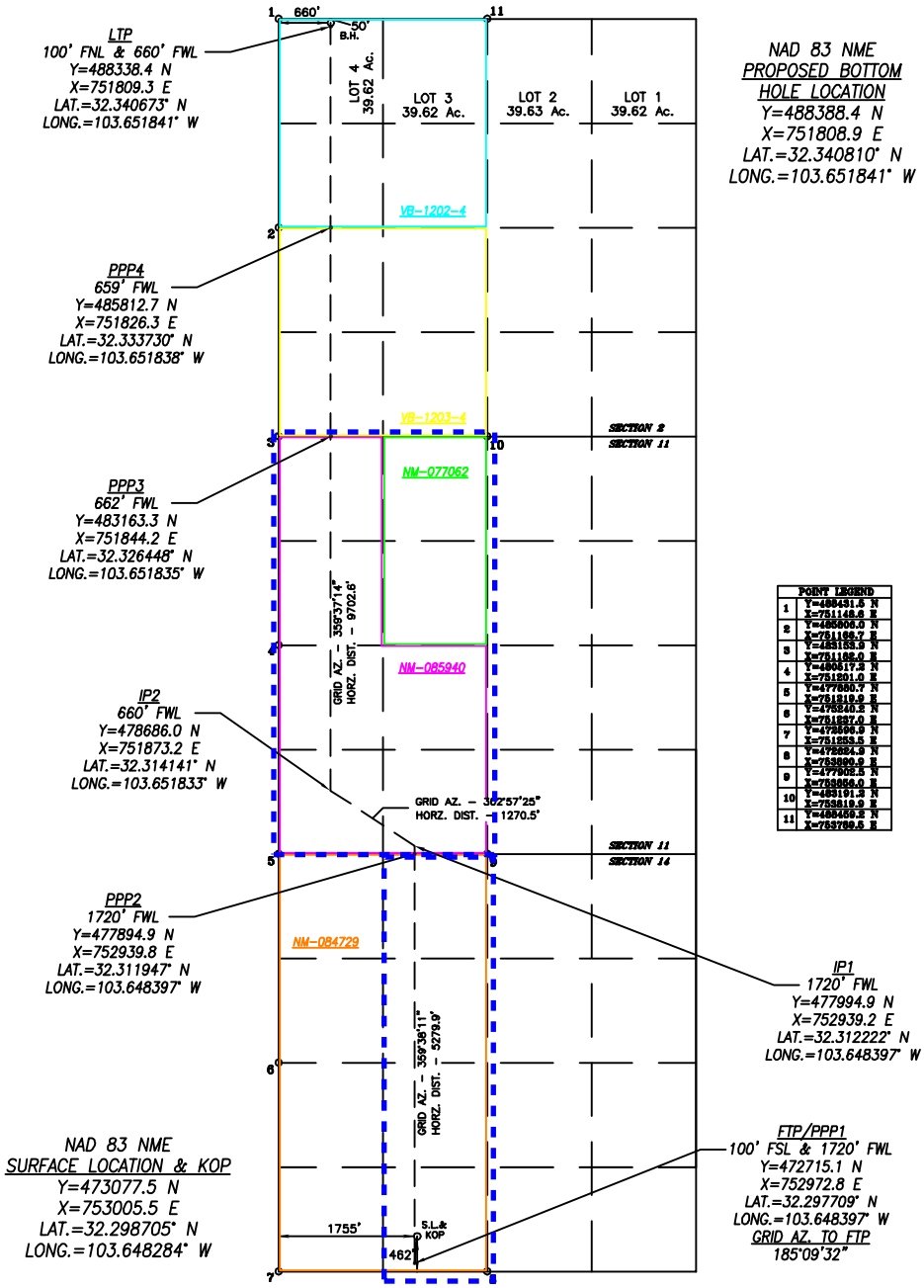
W.O.#25-1042 | DRAWN BY: WN | PAGE 1 OF 2

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PLATS

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

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-025-	51683	Red Tank; Bone Spring

Property Code	Property Name	Well Number
	DOLLY PURRTON FEDERAL COM	301H

OGRID No.	Operator Name	Ground Level Elevation
372098	MARATHON OIL PERMIAN LLC	3716.5'

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
N	14	23-S	32-E		462 FSL	1755 FWL	32.298705°N	103.648284°W	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
4	2	23-S	32-E		50 FNL	660 FWL	32.340810°N	103.651841°W	LEA

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
319.29	Defining	Pending 301H	Y	COM

Order Numbers. Well setbacks are under Common Ownership: ☐Yes ☐No N/A

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
N	14	23-S	32-E		462 FSL	1755 FWL	32.298705°N	103.648284°W	LEA

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
N	14	23-S	32-E		100 FSL	1980 FWL	32.297712°N	103.647556°W	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
4	2	23-S	32-E		100 FNL	660 FWL	32.340673°N	103.651841°W	LEA

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation:
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Signature Mayte Reyes Date 1/8/2026

Printed Name Mayte Reyes

Email Address mayte.x.reyes@conocophillips.com

SURVEYOR CERTIFICATIONS

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



Chad Harcrow 8/25/25

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Certificate Number 17777

Date of Survey AUGUST 19, 2025

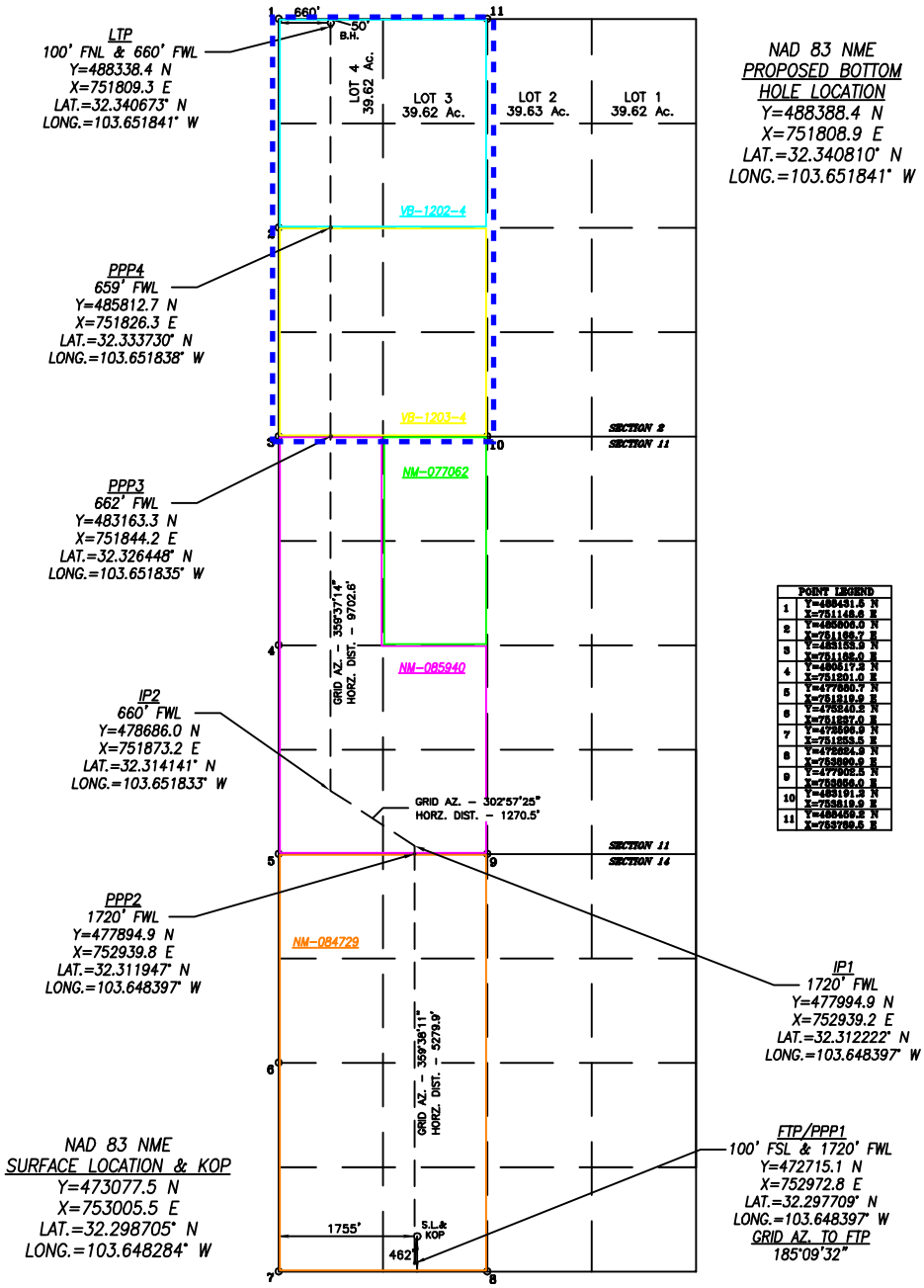
W.O.#25-1042 | DRAWN BY: WN | PAGE 1 OF 2

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PAGE 2 OF 2

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

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-025	17644	Diamondtail; Bone Spring

Property Code	Property Name	Well Number
	DOLLY PURRTON FEDERAL COM	401H

OGRID No.	Operator Name	Ground Level Elevation
372098	MARATHON OIL PERMIAN LLC	3716.6'

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
N	14	23-S	32-E		442 FSL	1755 FWL	32.298650°N	103.648284°W	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
4	2	23-S	32-E		50 FNL	330 FWL	32.340807°N	103.652910°W	LEA

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
640	Infill	Pending 402H	Y	COM

Order Numbers. Well setbacks are under Common Ownership: ☐Yes ☐No N/A

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
N	14	23-S	32-E		442 FSL	1755 FWL	32.298650°N	103.648284°W	LEA

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	14	23-S	32-E		100 FSL	330 FWL	32.297639°N	103.652896°W	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
4	2	23-S	32-E		100 FNL	330 FWL	32.340669°N	103.652910°W	LEA

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☐ Horizontal ☐ Vertical	Ground Floor Elevation:
COM		3716.6'

OPERATOR CERTIFICATIONS

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Signature: Mayte Reyes Date: 1/8/2025

Printed Name: Mayte Reyes

Email Address: mayte.x.reyes@conocophillips.com

SURVEYOR CERTIFICATIONS

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CHAD L. HARCROW NEW MEXICO 17777 LICENSED PROFESSIONAL SURVEYOR

Chad Harcrow 8/25/25

Signature and Seal of Professional Suveyor

Certificate Number	Date of Survey
17777	AUGUST 19, 2025

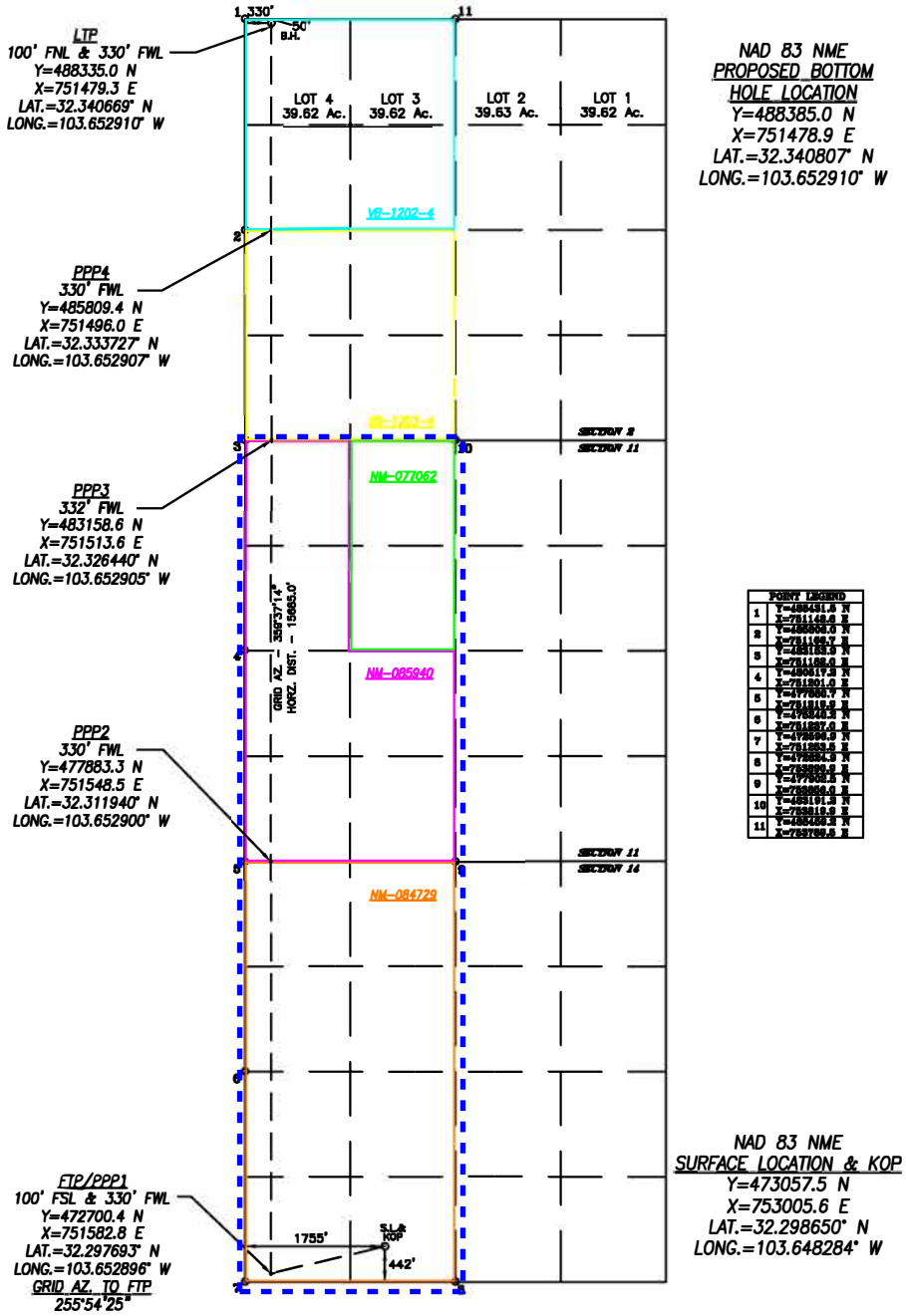
W.O.#25-1043 | DRAWN BY: WN | PAGE 1 OF 2

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ACREAGE DEDICATION
PLATS

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PAGE 2 OF 2

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

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-025	51683	Red Tank; Bone Spring

Property Code	Property Name	Well Number
	DOLLY PURRTON FEDERAL COM	401H

OGRID No.	Operator Name	Ground Level Elevation
372098	MARATHON OIL PERMIAN LLC	3716.6'

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
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Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
4	2	23-S	32-E		50 FNL	330 FWL	32.340807°N	103.652910°W	LEA

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
319.29	Infill	Pending 402H	Y	COM

Order Numbers. Well setbacks are under Common Ownership: ☐Yes ☐No N/A

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
N	14	23-S	32-E		442 FSL	1755 FWL	32.298650°N	103.648284°W	LEA

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	14	23-S	32-E		100 FSL	330 FWL	32.297639°N	103.652896°W	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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Unitized Area or Area of Uniform Interest	Spacing Unit Type ☐ Horizontal ☐ Vertical	Ground Floor Elevation:
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Signature: Mayte Reyes Date: 1/8/2025

Printed Name: Mayte Reyes

Email Address: mayte.x.reyes@conocophillips.com

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Chad Harcrow 8/25/25

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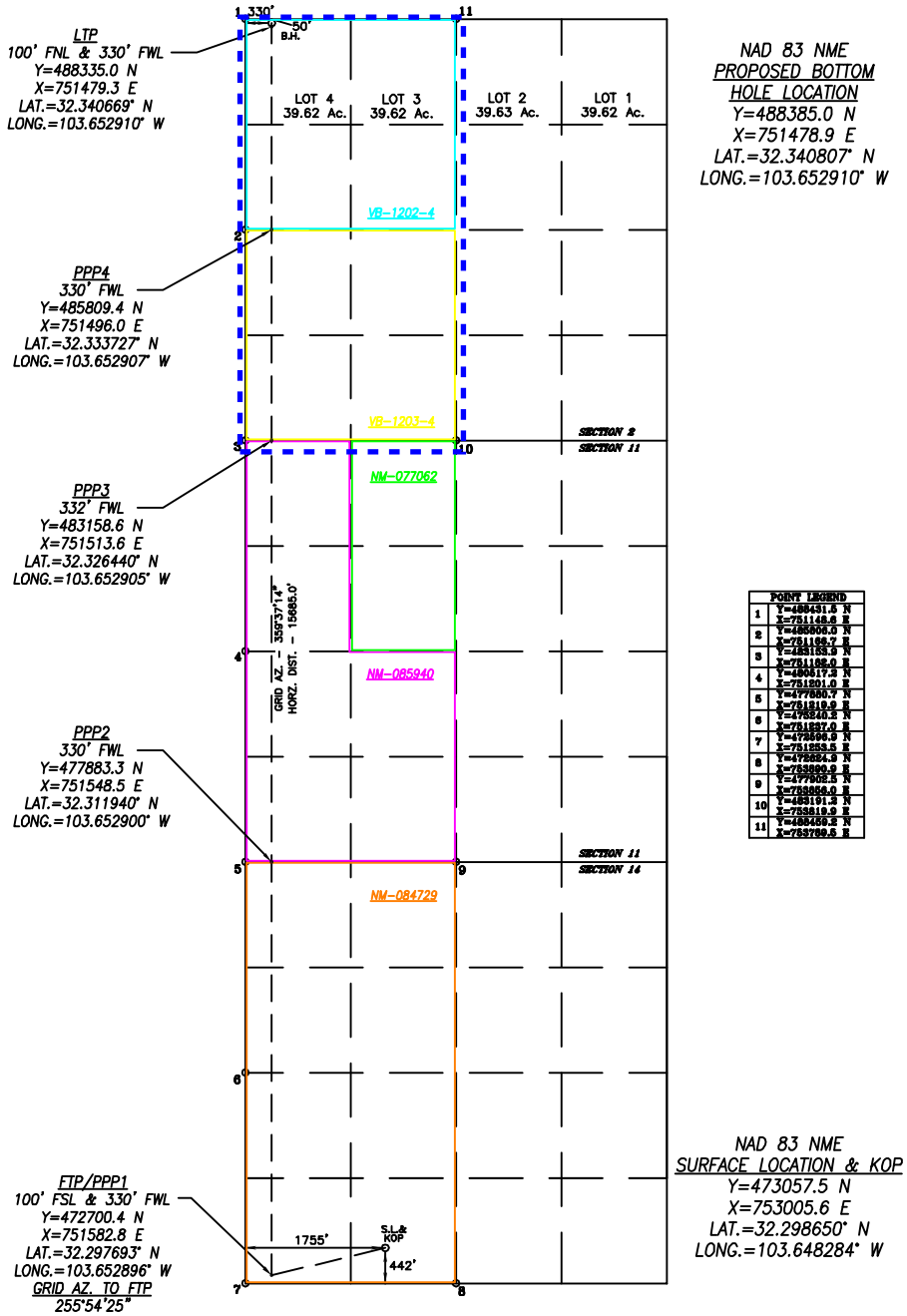
Certificate Number	Date of Survey		
17777	AUGUST 19, 2025		
	W.O.#25-1043	DRAWN BY: WN	PAGE 1 OF 2

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Submit Electronically Via OCD Permitting		Submittal Type: ☐ Initial Submittal ☒ Amended Report ☐ As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-025-	17644	Diamondtail; Bone Spring

Property Code	Property Name	Well Number
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OGRID No.	Operator Name	Ground Level Elevation
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Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
640	Defining	Pending 402H	Y	COM

Order Numbers. Well setbacks are under Common Ownership: ☐Yes ☐No N/A

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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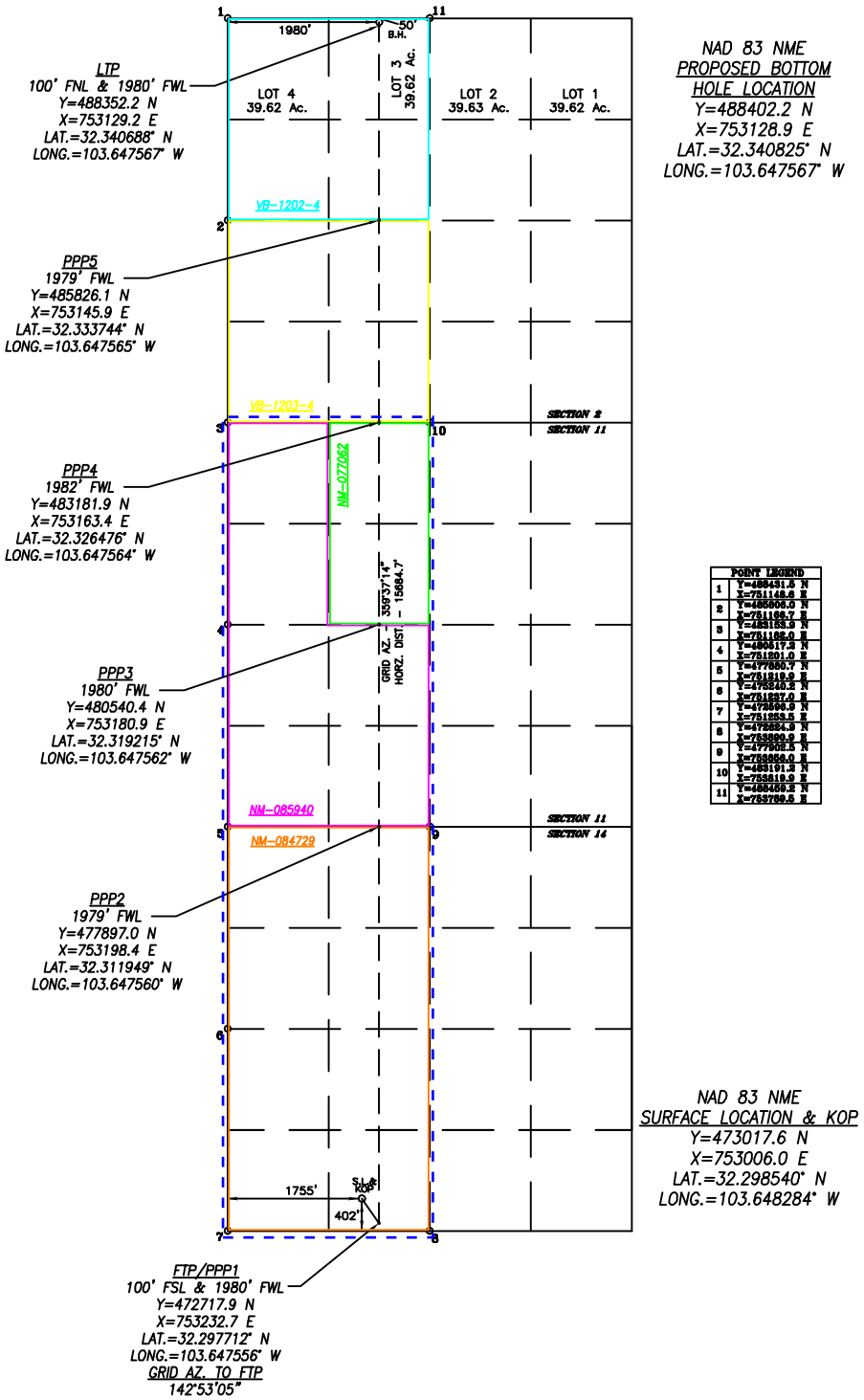
Certificate Number	Date of Survey		
17777	AUGUST 19, 2025		
	W.O.#25-1045	DRAWN BY: WN	PAGE 1 OF 2

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PAGE 2 OF 2

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

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name	
30-025-	51683	Red Tank; Bone Spring	
Property Code	Property Name		Well Number
	DOLLY PURRTON FEDERAL COM		402H
OGRID No. 372098	Operator Name		Ground Level Elevation
	MARATHON OIL PERMIAN LLC		3716.6'

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
N	14	23-S	32-E		402 FSL	1755 FWL	32.298540°N	103.648284°W	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
3	2	23-S	32-E		50 FNL	1980 FWL	32.340825°N	103.647567°W	LEA

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
319.29	Defining	Pending 402H	Y	COM
Order Numbers.			Well setbacks are under Common Ownership: ☐Yes ☐No N/A	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
N	14	23-S	32-E		402 FSL	1755 FWL	32.298540°N	103.648284°W	LEA

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
N	14	23-S	32-E		100 FSL	1980 FWL	32.297712°N	103.647556°W	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
3	2	23-S	32-E		100 FNL	1980 FWL	32.340688°N	103.647567°W	LEA

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation:
COM		3716.6'

OPERATOR CERTIFICATIONS

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Signature: Mayte Reyes Date: 1/8/2025

Printed Name: Mayte Reyes

Email Address: mayte.x.reyes@conocophillips.com

SURVEYOR CERTIFICATIONS

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

CHAD L. HARCROW NEW MEXICO 17777 LICENSED PROFESSIONAL SURVEYOR

Chad Harcrow 8/25/25

Signature and Seal of Professional Suveyor

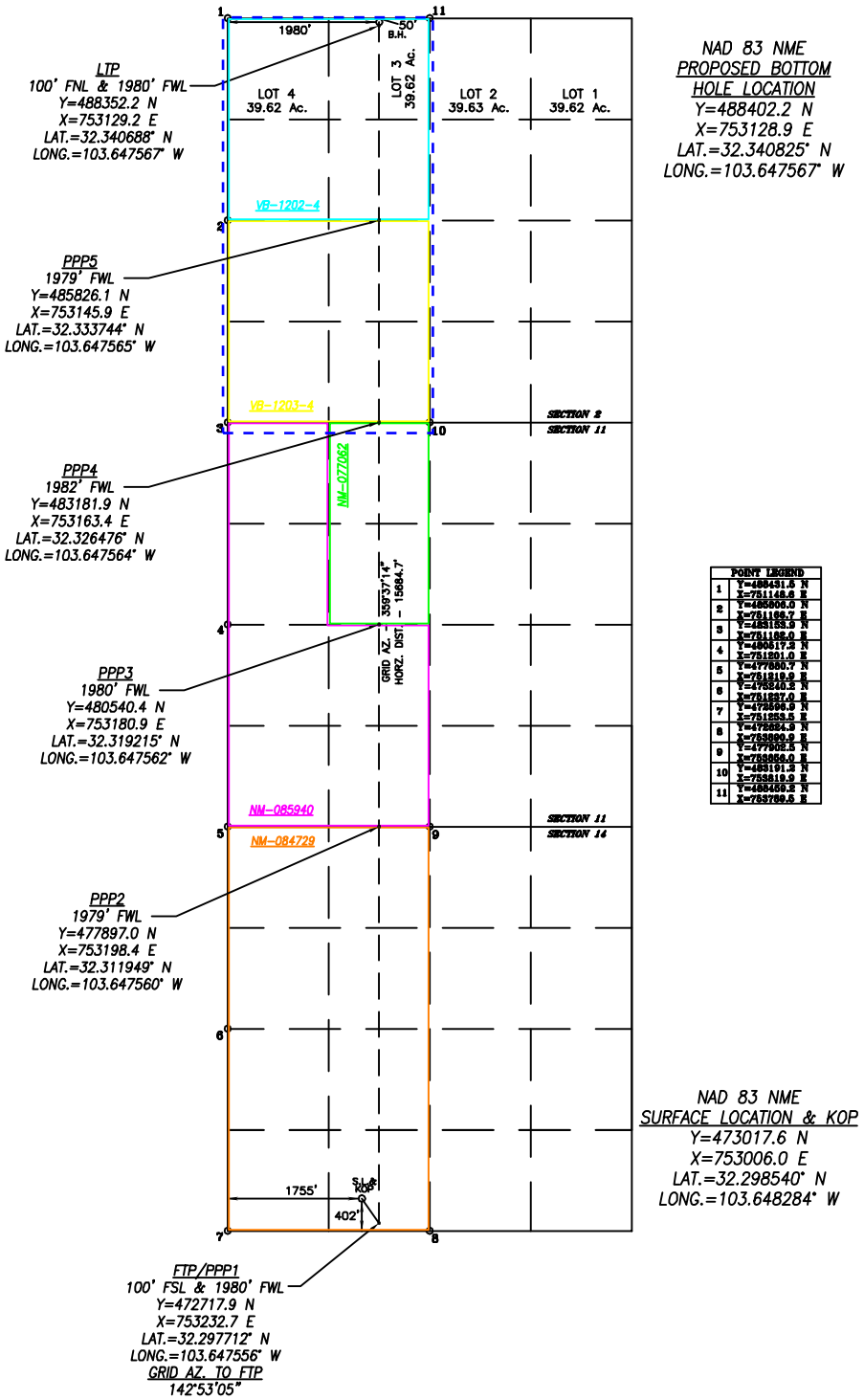
Certificate Number	Date of Survey		
17777	AUGUST 19, 2025		
	W.O.#25-1045	DRAWN BY: WN	PAGE 1 OF 2

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PAGE 2 OF 2

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

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-025-	17644	Diamondtail; Bone Spring
Property Code	**Property Name**	**Well Number**
	DOLLY PURRTON FEDERAL COM	501H
OGRID No.	**Operator Name**	**Ground Level Elevation**
372098	MARATHON OIL PERMIAN LLC	3716.6'

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
N	14	23-S	32-E		422 FSL	1755 FWL	32.298595°N	103.648284°W	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
4	2	23-S	32-E		50 FNL	660 FWL	32.340810°N	103.651841°W	LEA

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
640	Infill	Pending 402H	Y	COM
Order Numbers.			Well setbacks are under Common Ownership: ☐Yes ☐No N/A	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
N	14	23-S	32-E		422 FSL	1755 FWL	32.298595°N	103.648284°W	LEA

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	14	23-S	32-E		100 FSL	660 FWL	32.297697°N	103.651828°W	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
4	2	23-S	32-E		100 FNL	660 FWL	32.340673°N	103.651841°W	LEA

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation:
COM		3716.6'

OPERATOR CERTIFICATIONS

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Signature Mayte Reyes Date 1/8/2025

Printed Name Mayte Reyes

Email Address mayte.x.reyes@conocophillips.com

SURVEYOR CERTIFICATIONS

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Chad Harcrow 6/21/25

Signature and Seal of Professional Suveyor

Certificate Number 17777

Date of Survey JUNE 13, 2025

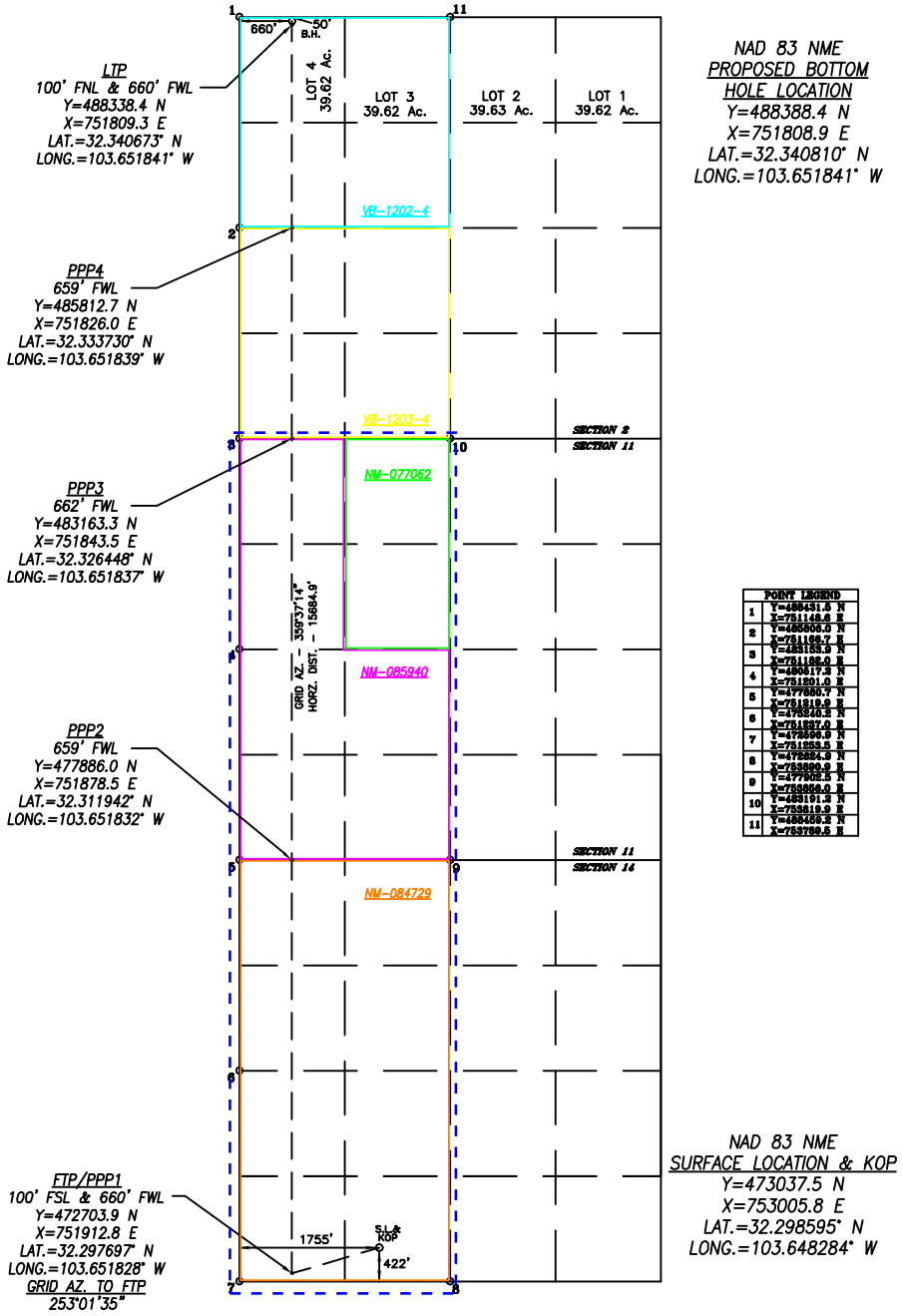
W.O.#25-1044 | DRAWN BY: WN | PAGE 1 OF 2

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

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-025-	51683	Red Tank; Bone Spring

Property Code	Property Name	Well Number
	DOLLY PURRTON FEDERAL COM	501H

OGRID No.	Operator Name	Ground Level Elevation
372098	MARATHON OIL PERMIAN LLC	3716.6'

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
N	14	23-S	32-E		422 FSL	1755 FWL	32.298595°N	103.648284°W	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
4	2	23-S	32-E		50 FNL	660 FWL	32.340810°N	103.651841°W	LEA

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
319.29	Infill	Pending 402H	Y	COM

Order Numbers. Well setbacks are under Common Ownership: ☐Yes ☐No N/A

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
N	14	23-S	32-E		422 FSL	1755 FWL	32.298595°N	103.648284°W	LEA

First Take Point (FTP)

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M	14	23-S	32-E		100 FSL	660 FWL	32.297697°N	103.651828°W	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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Signature Mayte Reyes Date 1/8/2025

Printed Name Mayte Reyes

Email Address mayte.x.reyes@conocophillips.com

SURVEYOR CERTIFICATIONS

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CHAD L. HARCROW NEW MEXICO 17777 LICENSED PROFESSIONAL SURVEYOR

Chad Harcrow 6/21/25

Signature and Seal of Professional Suveyor

Certificate Number 17777

Date of Survey JUNE 13, 2025

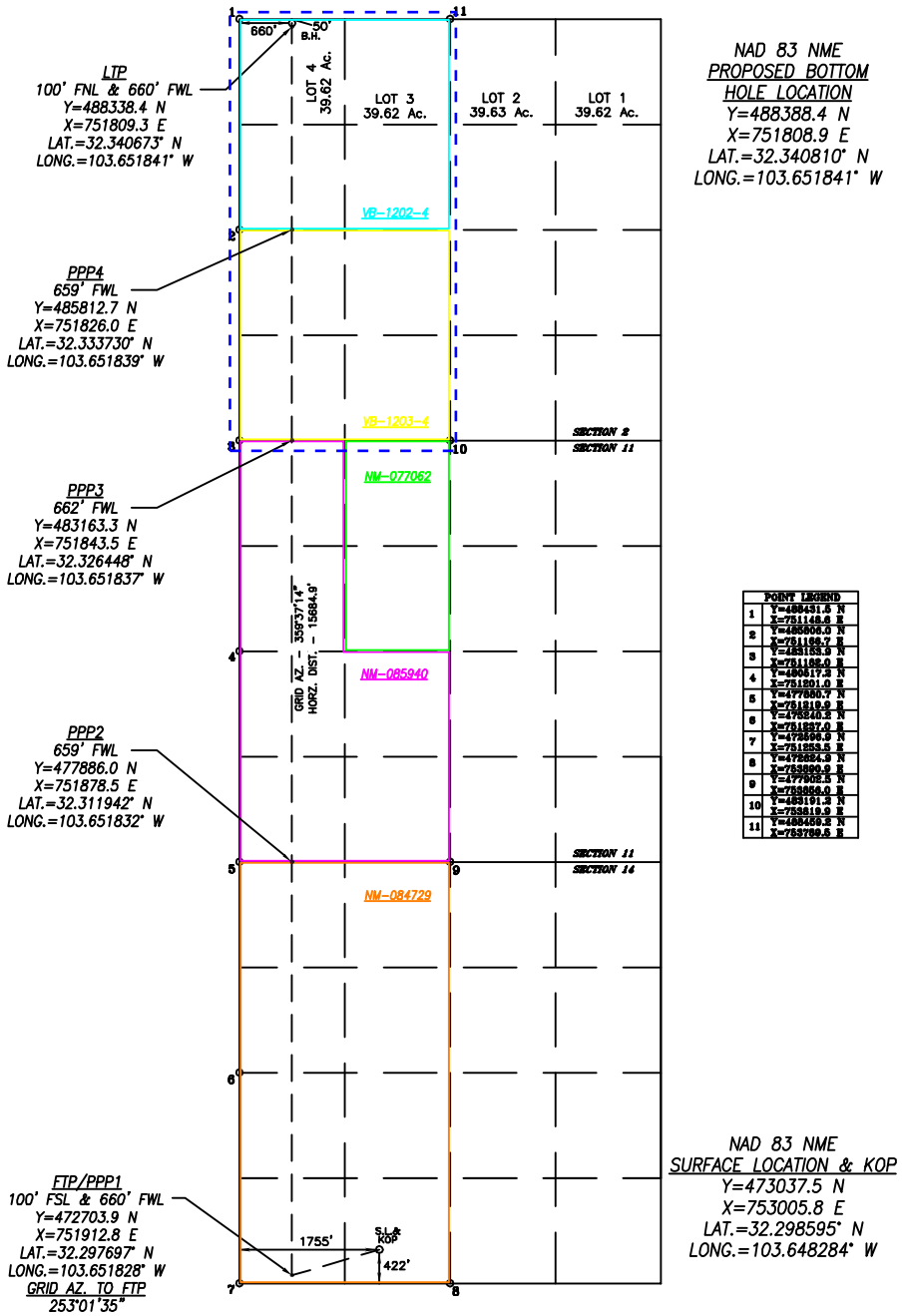
W.O.#25-1044 | DRAWN BY: WN | PAGE 1 OF 2

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API Number	Pool Code	Pool Name
30-025	17644	Diamondtail; Bone Spring

Property Code	Property Name	Well Number
	DOLLY PURRTON FEDERAL COM	502H

OGRID No.	Operator Name	Ground Level Elevation
372098	MARATHON OIL PERMIAN LLC	3716.5'

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
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Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
3	2	23-S	32-E		50 FNL	2090 FWL	32.340826°N	103.647211°W	LEA

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
640	Infill	Pending 402H	Y	COMM

Order Numbers. Well setbacks are under Common Ownership: ☐Yes ☐No N/A

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
N	14	23-S	32-E		100 FSL	2090 FWL	32.297714°N	103.647200°W	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
3	2	23-S	32-E		100 FNL	2090 FWL	32.340689°N	103.647211°W	LEA

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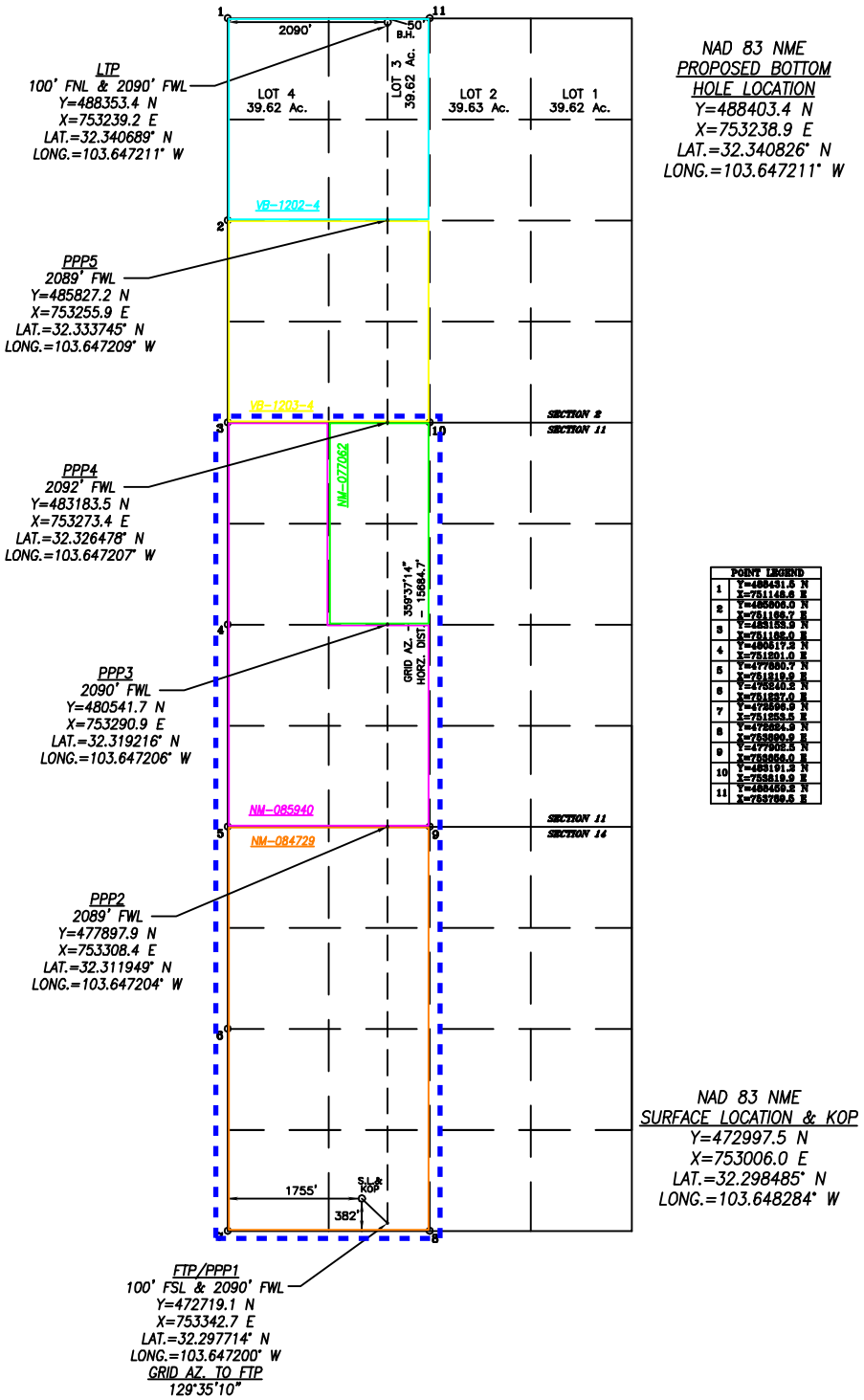
Certificate Number	Date of Survey		
17777	JUNE 13, 2025		
	W.O.#25-1046	DRAWN BY: WN	PAGE 1 OF 2

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Submit Electronically Via OCD Permitting		Submittal Type: ☒ Initial Submittal ☐ Amended Report ☐ As Drilled

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First Take Point (FTP)

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Last Take Point (LTP)

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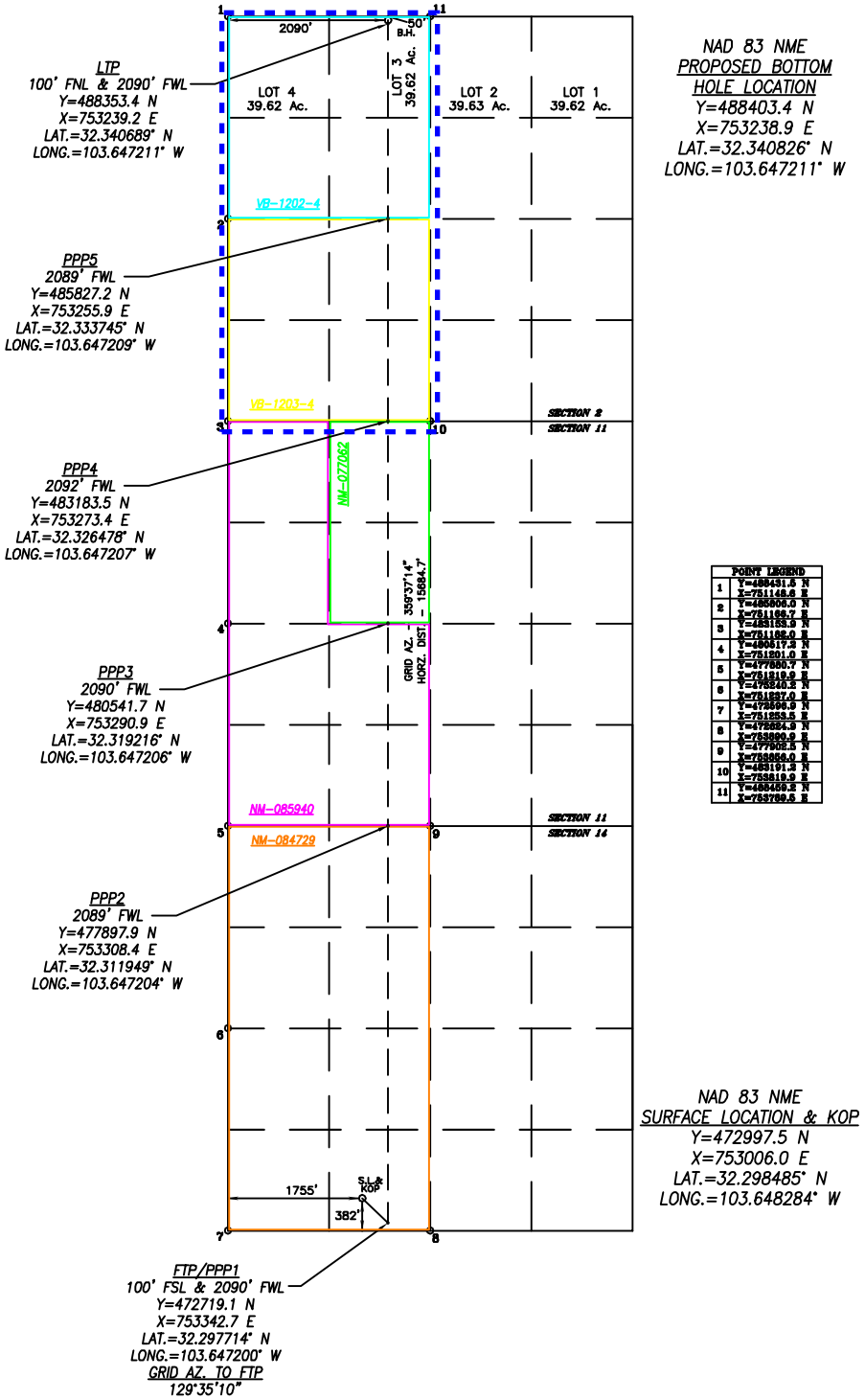
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PAGE 2 OF 2

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

General Information
Phone: (505) 629-6116

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

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

ACKNOWLEDGMENTS

Operator: MARATHON OIL PERMIAN LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 372098
	Action Number: 620403
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

ACKNOWLEDGMENTS

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

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

COMMENTS

Operator: MARATHON OIL PERMIAN LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 372098
	Action Number: 620403
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

COMMENTS

Created By	Comment	Comment Date
jeffrey.harrison	This permit contains an approved change of plans.	9/17/2026

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

CONDITIONS

Operator:	OGRID:
MARATHON OIL PERMIAN LLC 600 W Illinois Ave Midland, TX 79701	372098
	Action Number: 620403
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
mreyes4	Cement is required to circulate on both surface and intermediate1 strings of casing.	9/2/2026
mreyes4	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.	9/2/2026
jeffrey.harrison	All logs run on the well must be submitted to NMOCD.	9/17/2026
jeffrey.harrison	NSP required prior to production IF not included in an existing order OR not an infill to an appropriate defining well in the same pool and spacing unit.	9/17/2026
jeffrey.harrison	File As Drilled C-102 and a directional Survey with C-104 completion packet.	9/17/2026
jeffrey.harrison	Notify the OCD 24 hours prior to casing & cement.	9/17/2026
jeffrey.harrison	Target of directional survey differs appreciably from the approved BLM APD. Operator may want to consider submitting a sundry to reconcile the directional plan if necessary. Subsequent sundries and submissions may be rejected if this discrepancy causes conflict.	9/17/2026
jeffrey.harrison	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.	9/17/2026
jeffrey.harrison	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.	9/17/2026