

Before the Oil Conservation Division Examiner Hearing October 5, 2023

Case No. 23755

Decimus Fed Com 801H

Decimus Fed Com 701H

Decimus Fed Com 802H

Decimus Fed Com 702H

Decimus Fed Com 803H

Decimus Fed Com 703H

Decimus Fed Com 804H

Decimus Fed Com 704H



Marathon Oil®

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

IN THE MATTER OF THE APPLICATION OF

**MARATHON OIL PERMIAN LLC
FOR COMPUSLORY POOLING,
EDDY COUNTY, NEW MEXICO.**

CASE NO. 23755

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COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case: 23755	APPLICANT'S RESPONSE
Date	November 2, 2023
Applicant	Marathon Oil Permian LLC
Designated Operator & OGRID (affiliation if applicable)	Marathon Oil Permian LLC OGRID No. 372098
Applicant's Counsel:	Modrall, Sperling, Roehl, Harris, & Sisk, P.A.
Case Title:	Application of Marathon Oil Permian LLC for Compulsory Pooling, Eddy County, New Mexico.
Entries of Appearance/Intervenors:	Faskin Oil & Ranch LTD.
Well Family	Decimus
Formation/Pool	
Formation Name(s) or Vertical Extent:	Wolfcamp
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Wolfcamp
Pool Name and Pool Code:	Purple Sage; Wolfcamp (Gas) Pool (Code 98220)
Well Location Setback Rules:	State-Wide Rules Apply
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	Approx. 1276-acres
Building Blocks:	320-Acres
Orientation:	North/South
Description: TRS/County	S/2 of Sections 5 and 6, and the N/2 of Sections 7 and 8, Township South, Range 28 East, N.M.P.M., Eddy County, New Mexico.
Standard Horizontal Well Spacing Unit (Y/N), If No, describe <u>and</u> is approval of non-standard unit requested in this application?	Yes.
Other Situations	
Depth Severance: Y/N. If yes, description	N/A
Proximity Tracts: If yes, description	Yes.
Proximity Defining Well: if yes, description	The completed intervals for the Decimus Fed Com 702H and Decimus Fed Com 803H wells are expected to be less than 330' from the adjoining tracts, thereby allowing for the inclusion of the proximity tracts within the proposed spacing unit.
Applicant's Ownership in Each Tract	See Exhibit B.3
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Add wells as needed

Exhibit A

Well #2: Decimus Fed Com 701H	SHL: 1670' FSL & 302' FWL, Section 6, T23S, R28E BHL: 1650' FSL & 330' FEL, Section 5, T23S, R28E Completion Target: Purple Sage Wolfcamp (Approx. 9,330 TVD)
Well #4: Decimus Fed Com 702H	SHL: 1610' FSL & 302' FWL, Section 6, T23S, R28E BHL: 300' FSL & 330' FEL, Section 5, T23S, R28E Completion Target: Purple Sage Wolfcamp (Approx. 9,330 TVD)
Well #6: Decimus Fed Com 703H	SHL: 536' FNL & 271' FEL, Section 12, T23S, R27E BHL: 990' FNL & 330' FEL, Section 8, T23S, R28E Completion Target: Purple Sage Wolfcamp (Approx. 9,480 TVD)
Well #8: Decimus Fed Com 704H	SHL: 635' FNL & 272' FEL, Section 12, T23S, R27E BHL: 2310' FNL & 330' FEL, Section 8, T23S, R28E Completion Target: Purple Sage Wolfcamp (Approx. 9,480 TVD)
Well #1: Decimus Fed Com 801H	SHL: 1700' FSL & 302' FWL, Section 6, T23S, R28E BHL: 2310' FSL & 330' FEL, Section 5, T23S, R28E Completion Target: Purple Sage Wolfcamp (Approx. 10,010 TVD)
Well #3: Decimus Fed Com 802H	SHL: 1640' FSL & 302' FWL, Section 6, T23S, R28E BHL: 990' FSL & 330' FEL, Section 5, T23S, R28E Completion Target: Purple Sage Wolfcamp (Approx. 10,010 TVD)
Well #5: Decimus Fed Com 803H	SHL: 505' FNL & 271' FEL, Section 12, T23S, R27E BHL: 300' FNL & 330' FEL, Section 8, T23S, R28E Completion Target: Purple Sage Wolfcamp (Approx. 10,010 TVD)
Well #7: Decimus Fed Com 804H	SHL: 605' FNL & 272' FEL, Section 12, T23S, R27E BHL: 1650' FNL & 330' FEL, Section 8, T23S, R28E Completion Target: Purple Sage Wolfcamp (Approx. 10,160 TVD)
Drilling Supervision/Month \$	\$8,000.00
Production Supervision/Month \$	\$800.00
Justification for Supervision Costs	See Exhibit B Paragraph 23
Requested Risk Charge	200%
Notice of Hearing	
Proposed Notice of Hearing	Exhibit B.7
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit B.7
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit B.7
Ownership Determination	

Land Ownership Schematic of the Spacing Unit	Exhibit B.3
Tract List (including lease numbers and owners)	Exhibit B.3
If approval of Non-Standard Spacing Unit is requested, Tract List (including lease numbers and owners) of Tracts subject to notice requirements.	N/A
Pooled Parties (including ownership type)	Exhibit B.3
Unlocatable Parties to be Pooled	Exhibit B.3
Ownership Depth Severance (including percentage above & below)	N/A
Joinder	
Sample Copy of Proposal Letter	Exhibit B.5
List of Interest Owners (ie Exhibit A of JOA)	Exhibit B.3
Chronology of Contact with Non-Joined Working Interests	Exhibit B.4
Overhead Rates In Proposal Letter	Exhibit B.5
Cost Estimate to Drill and Complete	Exhibit B.6
Cost Estimate to Equip Well	Exhibit B.6
Cost Estimate for Production Facilities	Exhibit B.6
Geology	
Summary (including special considerations)	Exhibit C
Spacing Unit Schematic	Exhibit C.2
Gunbarrel/Lateral Trajectory Schematic	Exhibit C.2
Well Orientation (with rationale)	Exhibit C.11
Target Formation	Exhibit C.3 to C.6 & Exhibit C.7 to C.10
HSU Cross Section	Exhibit C.5 & Exhibit C.9
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit B.2
Tracts	Exhibit B.3
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit B.3
General Location Map (including basin)	Exhibit C.1
Well Bore Location Map	Exhibit C.2
Structure Contour Map - Subsea Depth	Exhibit C.3 & Exhibit C.7
Cross Section Location Map (including wells)	Exhibit C.4 & Exhibit C.8
Cross Section (including Landing Zone)	Exhibit C.5 & Exhibit C.9
Additional Information	
Special Provisions/Stipulations	N/A
CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.	
Printed Name (Attorney or Party Representative):	Deana M. Bennett
Signed Name (Attorney or Party Representative):	/s/ Deana M. Bennett
Date:	10/31/2

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

APPLICATION OF MARATHON OIL PERMIAN
LLC FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO

CASE NO. 23755

SELF AFFIRMED DECLARATION OF RYAN GYLLENBAND

Ryan Gyllenband hereby states and declares as follows:

1. I am over the age of 18, I am a landman for Marathon Oil Permian LLC (“Marathon”) and have personal knowledge of the matters stated herein.

2. I have previously testified before the Oil Conservation Division (“Division”) and my credentials as an expert petroleum landman were accepted as a matter of record.

3. My area of responsibility at Marathon includes the area Eddy County in New Mexico.

4. I am familiar with the application filed by Marathon in this case, which is attached as

Exhibit B.1.

5. I am familiar with the status of the lands that are subject to this application.

6. I submit the following information pursuant to NMAC 19.15.4.12.A(1) in support of the above referenced application.

7. The purpose of the application is to force pool all uncommitted interests into the horizontal spacing unit described below, and in the wells to be drilled in the unit.

8. No opposition is expected because the interest owners being pooled have been contacted regarding the proposed wells, but have failed or refused to voluntarily commit their interests in the wells.

9. In this case, Marathon seeks an order from the Division pooling all uncommitted mineral interests within a standard 1280-acre, more or less, Wolfcamp horizontal spacing unit

underlying the S/2 of Sections 5 and 6 and the N/2 of Sections 7 and 8, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico.

10. This spacing unit will be dedicated to the Decimus Fed Com 801H, Decimus Fed Com 701H, Decimus Fed Com 802H, Decimus Fed Com 702H, Decimus Fed Com 803H, Decimus Fed Com 703H, Decimus Fed Com 804H and Decimus Fed Com 704H wells, to be horizontally drilled.

11. Attached as **Exhibit B.2** are the proposed C-102s for the wells.

12. The C-102s identify the proposed surface hole locations and the bottom hole locations, and the first take points. The C-102s also identify the pool and pool code.

13. These wells will be located within the Purple Sage Wolfcamp Gas Pool, which is subject to special pool rules that establish 330-foot setback requirements. The wells will comply with the Purple Sage Wolfcamp pool rules.

14. The producing areas for the wells is expected to be orthodox.

15. The completed intervals for the Decimus Fed Com 702H and Decimus Fed Com 803H wells are expected to be less than 330' from the adjoining tracts and the Division's rules allow for the inclusion of proximity tracts within the proposed standard spacing unit for the wells.

16. There are no depth severances within the proposed spacing unit.

17. **Exhibit B.3** includes a lease tract map outlining the unit being pooled. Exhibit B.3 also includes the parties being pooled, the nature, and the percent of their interests.

18. I have conducted a diligent search of the public records in the county where the wells are located, and conducted phone directory and computer searches to locate contact information for parties entitled to notification, and mailed the working interest owners well proposals, including an Authorization for Expenditure.

19. In my opinion, Marathon has made a good faith effort to obtain voluntary joinder of the working interest owners in the proposed wells.

20. **Exhibit B.4** is a summary of my contacts with the working interest owners and the unleased mineral interest owners.

21. **Exhibit B.5** is a sample of the well proposal letter that was sent to all working interest owners and unleased mineral interest owners. The proposal letter identifies the proposed surface hole location, and proposed first and last take points, and approximate TVD/MD for the wells.

22. **Exhibit B.6** contains the Authorization for Expenditure for the proposed wells. The estimated cost of the wells set forth therein is fair and reasonable, and is comparable to the costs of other wells of similar depths and length drilled in this area of New Mexico.

23. Marathon requests overhead and administrative rates of \$8,000.00/month for drilling a well and \$800.00/month for a producing well. These rates are fair, and comparable to the rates charged by other operators for wells of this type in this area of Southeastern, New Mexico. Marathon requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.

24. Marathon requests the maximum cost plus 200% risk charge be assessed against non-consenting working interest owners.

25. Marathon requests that it be designated operator of the wells.

26. The parties Marathon is seeking to pool were notified of this hearing.

27. Marathon seeks to pool overriding royalty interest owners, and they were also provided notice of this hearing.

28. **Exhibit B.7** is an affidavit of notice prepared by counsel for Marathon that shows the parties who were notified of this hearing, the status of whether they received notice, and an affidavit of publication from the Carlsbad Current Argus newspaper, showing that notice of this hearing was published on August 17, 2023.

29. The attachments to this declaration were prepared by me, or compiled from company business records, or were prepared at my direction.

30. In my opinion, the granting of this application is in the interests of conservation and the prevention of waste.

[Signature page follows]

I attest under penalty of perjury under the laws of the State of New Mexico that the information provided herein is correct and complete to the best of my knowledge and belief.

Dated this 2nd day of October, 2023.



Ryan Gyllenband

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

APPLICATION OF MARATHON OIL
PERMIAN LLC FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO.

CASE NO. 23755

APPLICATION

Marathon Oil Permian LLC (“Marathon”), OGRID Number 372098, through its undersigned attorneys, hereby submits this application to the Oil Conservation Division pursuant to the provisions of NMSA (1978), Section 70-2-17, for an order pooling all uncommitted mineral interests within a Wolfcamp horizontal spacing unit underlying the S/2 of Sections 5 and 6 and the N/2 of Sections 7 and 8, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico. In support of this application, Marathon states as follows:

1. Marathon is an interest owner in the subject lands and has a right to drill a well thereon.
2. Marathon seeks to dedicate the S/2 of Sections 5 and 6 and the N/2 of Sections 7 and 8, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico to form a 1280-acre, more or less, standard spacing unit.
3. Marathon plans to drill the **Decimus Fed Com 801H, Decimus Fed Com 701H, Decimus Fed Com 802H, Decimus Fed Com 702H, Decimus Fed Com 803H, Decimus Fed Com 703H, Decimus Fed Com 804H and Decimus Fed Com 704H** wells to a depth sufficient to test the Wolfcamp formation. These wells will be horizontally drilled.
4. These wells will be located within the Purple Sage Wolfcamp Gas Pool, which is subject to special pool rules that establish 330 foot setback requirements.
5. These wells will comply with the Division’s setback requirements for this pool.

6. The completed intervals for the Decimus Fed Com 702H and Decimus Fed Com 803H wells are expected to be less than 330' from the adjoining tracts thereby allowing for the inclusion of the proximity tracts within the proposed spacing unit under Rule 19.15.16.15(B)(1)(b) NMAC.

7. Marathon sought, but has been unable to obtain, a voluntary agreement from all interest owners in the Wolfcamp formation underlying the proposed spacing unit to participate in the drilling of the wells or to otherwise commit their interests to the wells.

8. The pooling of all interests in the Wolfcamp formation underlying the proposed unit will prevent the drilling of unnecessary wells, prevent waste and protect correlative rights.

WHEREFORE, Marathon requests this application be set for hearing before an Examiner of the Oil Conservation Division on September 7, 2023 and after notice and hearing as required by law, the Division enter its order:

A. Pooling all uncommitted mineral interests in the Wolfcamp formation underlying a horizontal spacing unit within the S/2 of Sections 5 and 6 and the N/2 of Sections 7 and 8, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico;

B. Designating Marathon as operator of this unit and the wells to be drilled thereon;

C. Authorizing Marathon to recover its costs of drilling, equipping and completing the wells;

D. Approving actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure;

E. Setting a 200% charge for the risk involved in drilling and completing the wells in the event a working interest owner elects not to participate in the wells.

Respectfully submitted,

MODRALL, SPERLING, ROEHL, HARRIS
& SISK, P.A.

By: Deana M. Bennett
Deana M. Bennett
Post Office Box 2168
500 Fourth Street NW, Suite 1000
Albuquerque, New Mexico 87103-2168
Telephone: 505.848.1800
Attorneys for Applicant

CASE NO. 23755 : Application of Marathon Oil Permian LLC for compulsory pooling, Eddy County, New Mexico. Applicant seeks an order from the Division pooling all uncommitted mineral interests within a standard 1280-acre, more or less, Wolfcamp horizontal spacing unit underlying the S/2 of Sections 5 and 6 and the N/2 of Sections 7 and 8, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico. This spacing unit will be dedicated to the Decimus Fed Com 801H, Decimus Fed Com 701H, Decimus Fed Com 802H, Decimus Fed Com 702H, Decimus Fed Com 803H, Decimus Fed Com 703H, Decimus Fed Com 804H and Decimus Fed Com 704H wells, to be horizontally drilled. The wells will be drilled at orthodox locations. The completed intervals for the Decimus Fed Com 702H and Decimus Fed Com 803H wells are expected to be less than 330' from the adjoining tracts thereby allowing for the inclusion of the proximity tracts within the proposed spacing unit. Also to be considered will be the cost of drilling and completing said wells, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Marathon as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 3.5 miles northwest of Loving, NM.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

No. 23755
Form C-102 Revised August 1, 2011
Submit one copy to appropriate District Office
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Table with 3 columns: API Number, Pool Code, Pool Name, Property Code, Property Name, Well Number, OGRID No., Operator Name, Elevation.

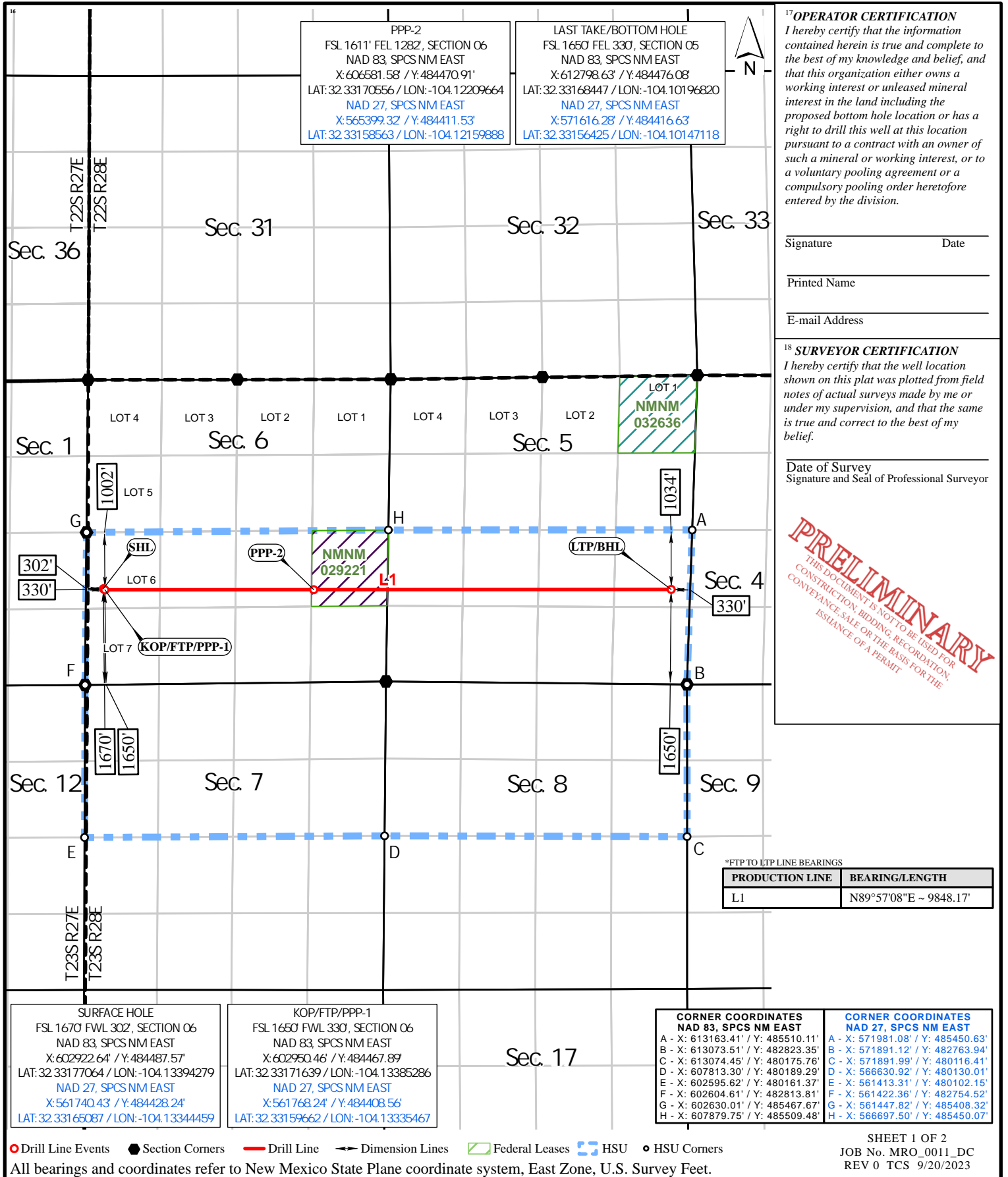
Surface Location

Table with 10 columns: UL or lot no., Section, Township, Range, Lot Idn, Feet from the, North/South line, Feet from the, East/West line, County.

Bottom Hole Location If Different From Surface

Table with 10 columns: UL or lot no., Section, Township, Range, Lot Idn, Feet from the, North/South line, Feet from the, East/West line, County. Includes sub-table for Dedicated Acres, Joint or Infill, Consolidation Code, Order No.

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



OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____
Printed Name _____
E-mail Address _____

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

Date of Survey _____
Signature and Seal of Professional Surveyor _____

PRELIMINARY
THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE, SALE OR THE BASIS FOR THE ISSUANCE OF A PERMIT.

Table with 2 columns: PRODUCTION LINE, BEARING/LENGTH. Row 1: L1, N89°57'08"E ~ 9848.17'

Table with 4 columns: SURFACE HOLE, KOP/FTP/PPP-1, CORNER COORDINATES NAD 83, SPCS NM EAST, CORNER COORDINATES NAD 27, SPCS NM EAST.

Legend: Drill Line Events, Section Corners, Drill Line, Dimension Lines, Federal Leases, HSU, HSU Corners. All bearings and coordinates refer to New Mexico State Plane coordinate system, East Zone, U.S. Survey Feet.

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Santa Fe, NM 87505

No. 23755
Form C-102 Revised August 1, 2011
Submit one copy to appropriate District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code		³ Pool Name	
		98220		PURPLE SAGE; WOLFCAMP (GAS)	
⁴ Property Code		⁵ Property Name			⁶ Well Number
		DECIMUS FED COM			702H
⁷ OGRID No.		⁸ Operator Name			⁹ Elevation
372098		MARATHON OIL PERMIAN LLC			3044'

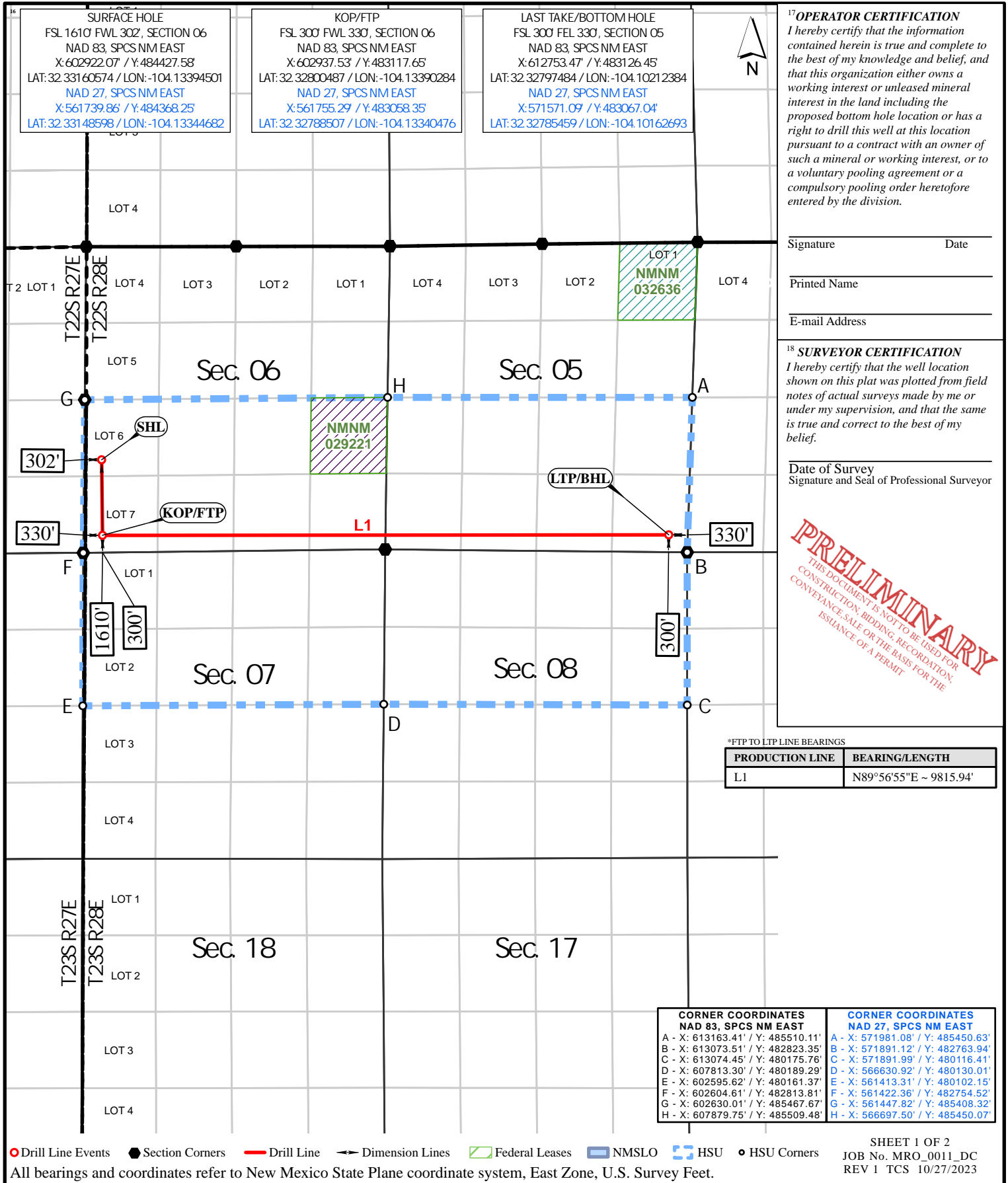
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L 6	6	23S	28E		1610'	SOUTH	302'	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	5	23S	28E		300'	SOUTH	330'	EAST	EDDY
¹² Dedicated Acres		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			
1,276.38									

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



¹⁷ **OPERATOR CERTIFICATION**
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____
Printed Name _____
E-mail Address _____

¹⁸ **SURVEYOR CERTIFICATION**
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey _____
Signature and Seal of Professional Surveyor _____

PRELIMINARY
THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE, SALE OR THE BASIS FOR THE ISSUANCE OF A PERMIT.

*FTP TO LTP LINE BEARINGS

PRODUCTION LINE	BEARING/LENGTH
L1	N89°56'55"E ~ 9815.94'

CORNER COORDINATES NAD 83, SPCS NM EAST		CORNER COORDINATES NAD 27, SPCS NM EAST	
A - X: 613163.41' / Y: 485510.11'	B - X: 613073.51' / Y: 482823.35'	A - X: 571981.08' / Y: 485450.63'	B - X: 571891.12' / Y: 482763.94'
C - X: 613074.45' / Y: 480175.76'	D - X: 607813.30' / Y: 480189.29'	C - X: 571891.99' / Y: 480116.41'	D - X: 566630.92' / Y: 480130.01'
E - X: 602595.62' / Y: 480161.37'	F - X: 602604.61' / Y: 482813.81'	E - X: 561413.31' / Y: 480102.15'	F - X: 561422.36' / Y: 482754.52'
G - X: 602630.01' / Y: 485467.67'	H - X: 607879.75' / Y: 485509.48'	G - X: 561447.82' / Y: 485408.32'	H - X: 566697.50' / Y: 485450.07'

Drill Line Events ● Section Corners — Drill Line — Dimension Lines □ Federal Leases ■ NMSLO ■ HSU ● HSU Corners
All bearings and coordinates refer to New Mexico State Plane coordinate system, East Zone, U.S. Survey Feet.
Distances/areas relative to NAD 83 grid measurements. Combined Scale Factor: 0.99997680 and a Convergence Angle: 0.106739661°
SHEET 1 OF 2
JOB No. MRO_0011_DC
REV 1 TCS 10/27/2023

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No. 23755
Form C-102 Revised August 1, 2011
Submit one copy to appropriate District Office

AMENDED REPORT

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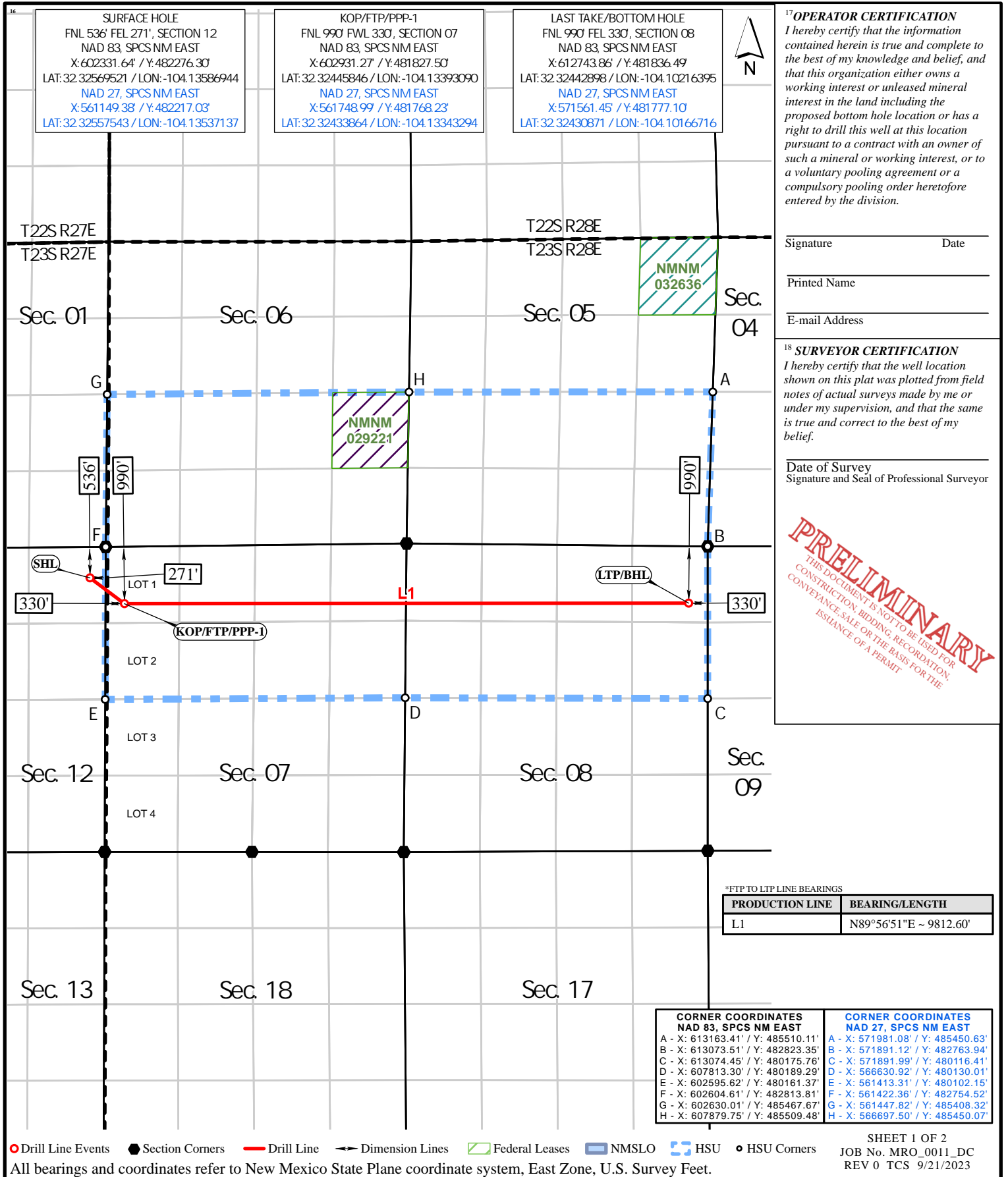
Surface Location

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



OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____
Printed Name _____
E-mail Address _____

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

Date of Survey _____
Signature and Seal of Professional Surveyor _____

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Table with 2 columns: PRODUCTION LINE, BEARING/LENGTH. Row 1: L1, N89°56'51"E ~ 9812.60'

Table with 2 columns: CORNER COORDINATES NAD 83, SPCS NM EAST; CORNER COORDINATES NAD 27, SPCS NM EAST. Lists points A through H with X and Y coordinates.

Legend: Drill Line Events, Section Corners, Drill Line, Dimension Lines, Federal Leases, NMSLO, HSU, HSU Corners. SHEET 1 OF 2. JOB No. MRO_0011_DC. REV 0 TCS 9/21/2023. Distances/areas relative to NAD 83 grid measurements. Combined Scale Factor: 0.99997680 and a Convergence Angle: 0.106739661°

District I
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Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Table with 3 columns: API Number (98220), Pool Name (PURPLE SAGE; WOLFCAMP (GAS)), Property Code, Property Name (DECIMUS FED COM), Well Number (704H), OGRID No. (372098), Operator Name (MARATHON OIL PERMIAN LLC), Elevation (3044')

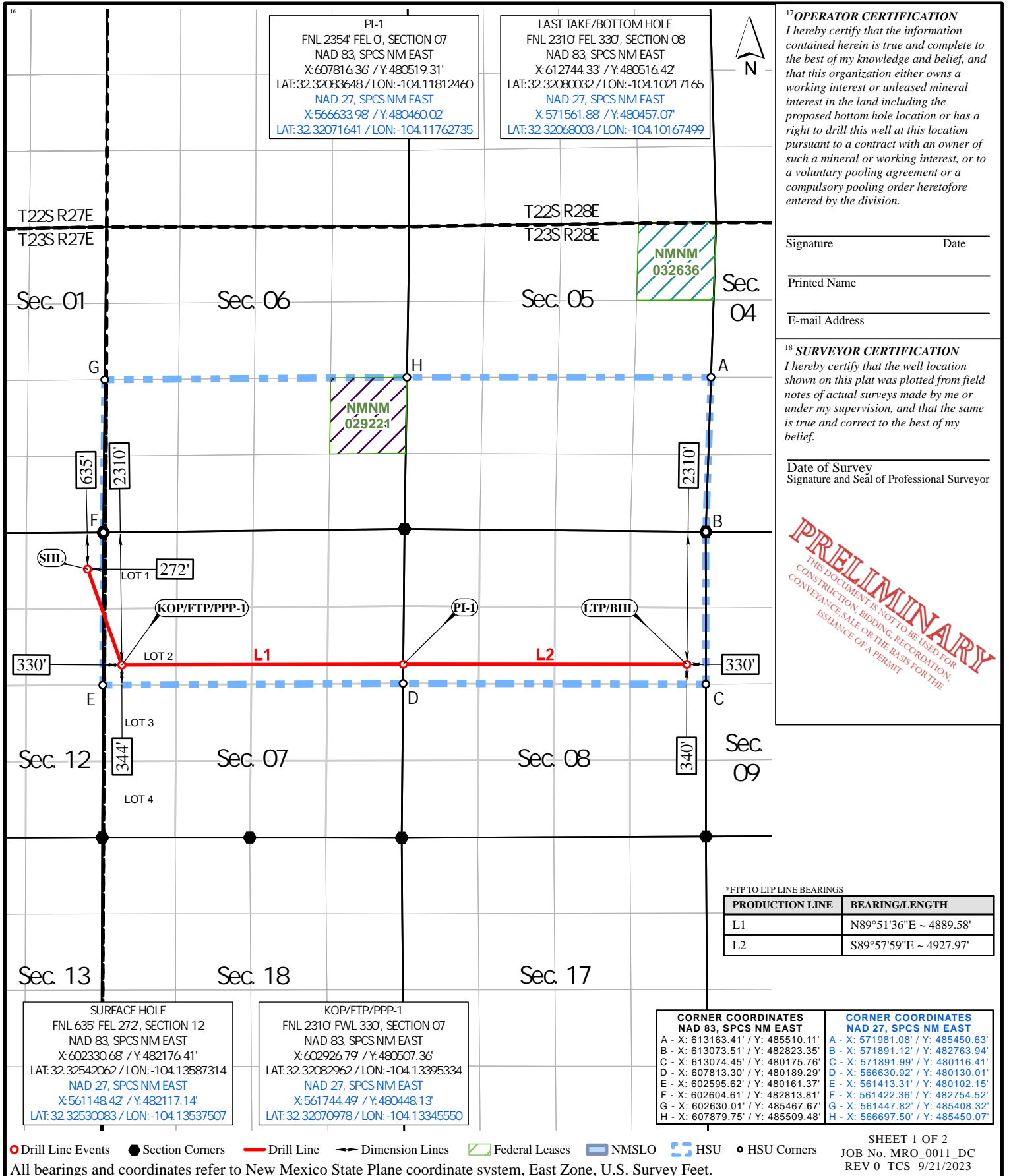
Surface Location

Table with 10 columns: UL or lot no. (A), Section (12), Township (23S), Range (27E), Lot Idn, Feet from the (635'), North/South line (NORTH), Feet from the (272'), East/West line (EAST), County (EDDY)

Bottom Hole Location If Different From Surface

Table with 10 columns: UL or lot no. (H), Section (8), Township (23S), Range (28E), Lot Idn, Feet from the (2310'), North/South line (NORTH), Feet from the (330'), East/West line (EAST), County (EDDY). Includes fields for Dedicated Acres (1,276.38), Joint or Infill, Consolidation Code, and Order No.

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



OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____
Printed Name _____
E-mail Address _____

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

Date of Survey _____
Signature and Seal of Professional Surveyor _____

PRELIMINARY
THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE, SALE OR THE BASIS FOR THE ISSUANCE OF A PERMIT.

Table with 2 columns: PRODUCTION LINE, BEARING/LENGTH. L1: N89°51'36"E ~ 4889.58'; L2: S89°57'59"E ~ 4927.97'

Table with 2 columns: CORNER COORDINATES NAD 83, SPCS NM EAST and CORNER COORDINATES NAD 27, SPCS NM EAST. Lists coordinates for points A through H.

Drill Line Events, Section Corners, Drill Line, Dimension Lines, Federal Leases, NMSLO, HSU, HSU Corners. All bearings and coordinates refer to New Mexico State Plane coordinate system, East Zone, U.S. Survey Feet.

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
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Santa Fe, NM 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Table with 3 columns: API Number, Pool Code, Pool Name, Property Code, Property Name, Well Number, OGRID No., Operator Name, Elevation.

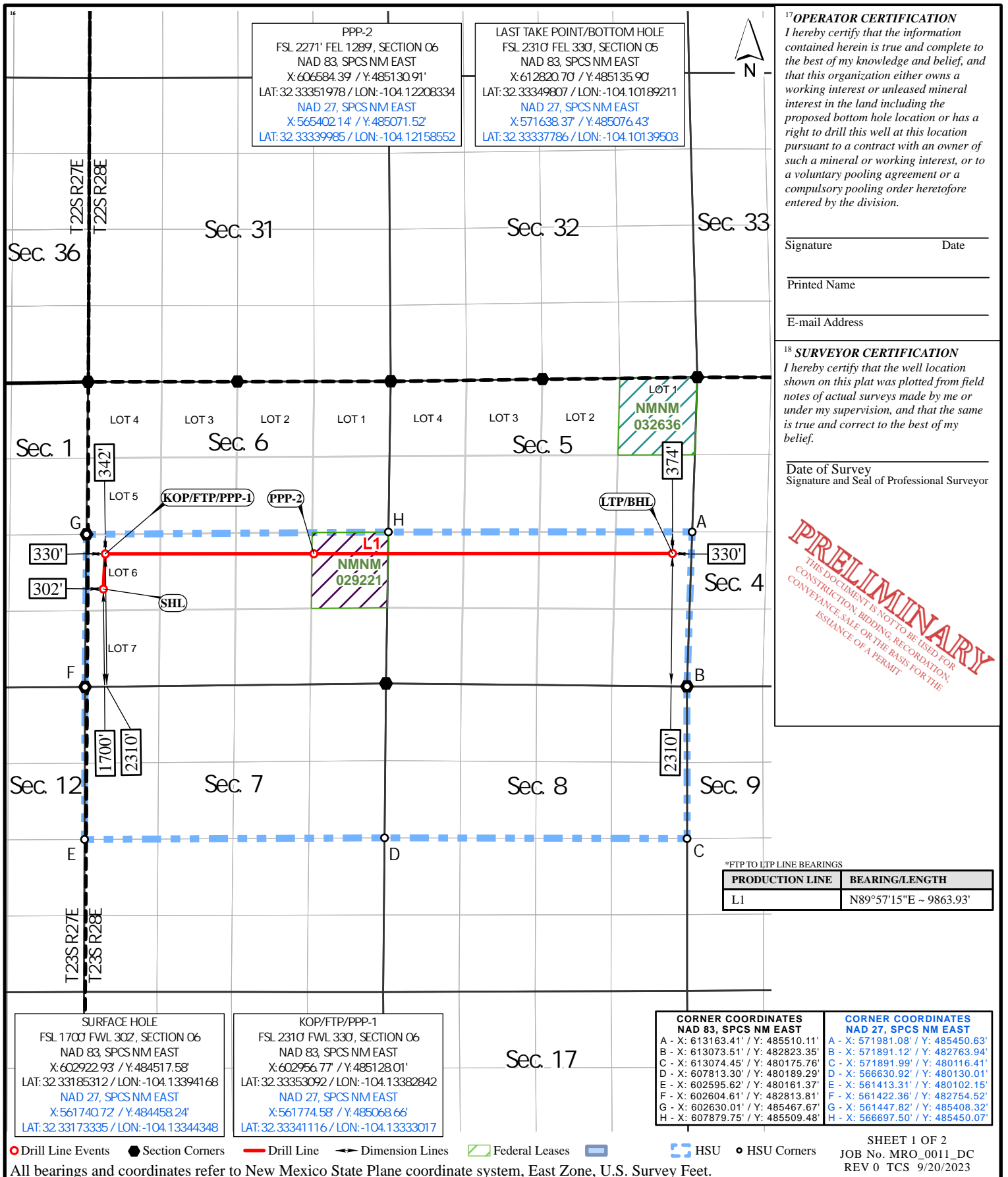
Surface Location

Table with 10 columns: UL or lot no., Section, Township, Range, Lot Idn, Feet from the, North/South line, Feet from the, East/West line, County.

Bottom Hole Location If Different From Surface

Table with 10 columns: UL or lot no., Section, Township, Range, Lot Idn, Feet from the, North/South line, Feet from the, East/West line, County. Includes Dedicated Acres, Joint or Infill, Consolidation Code, Order No.

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I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____
Printed Name _____
E-mail Address _____

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

Date of Survey _____
Signature and Seal of Professional Surveyor _____

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Table with 2 columns: PRODUCTION LINE, BEARING/LENGTH. Row 1: L1, N89°57'15"E ~ 9863.93'

SURFACE HOLE
FSL 1700' FWL 302', SECTION 06
NAD 83, SPCS NM EAST
X: 6029222.93 / Y: 484517.58
LAT: 32.33185312 / LON: -104.13394168
NAD 27, SPCS NM EAST
X: 561740.72 / Y: 484458.24
LAT: 32.33173335 / LON: -104.13344348

KOP/FTP/PPP-1
FSL 2310' FWL 330', SECTION 06
NAD 83, SPCS NM EAST
X: 602956.77 / Y: 485128.01
LAT: 32.33353092 / LON: -104.13382842
NAD 27, SPCS NM EAST
X: 561774.58 / Y: 485068.66
LAT: 32.33341116 / LON: -104.13333017

CORNER COORDINATES
NAD 83, SPCS NM EAST
A - X: 613163.41 / Y: 485510.11
B - X: 613074.51 / Y: 482823.35
C - X: 613074.45 / Y: 480175.76
D - X: 607813.30 / Y: 480189.29
E - X: 602595.62 / Y: 480161.37
F - X: 602604.61 / Y: 482813.81
G - X: 602630.01 / Y: 485467.67
H - X: 607879.75 / Y: 485509.48

CORNER COORDINATES
NAD 27, SPCS NM EAST
A - X: 571981.08 / Y: 485450.63
B - X: 571891.12 / Y: 482763.94
C - X: 571891.99 / Y: 480116.41
D - X: 566630.92 / Y: 480130.01
E - X: 561413.31 / Y: 480102.15
F - X: 561422.36 / Y: 482754.52
G - X: 561447.82 / Y: 485408.32
H - X: 566697.50 / Y: 485450.07

Legend: Drill Line Events, Section Corners, Drill Line, Dimension Lines, Federal Leases, HSU, HSU Corners. SHEET 1 OF 2. JOB No. MRO_0011_DC. REV 0 TCS 9/20/2023.

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

No. 23755
Form C-102 Revised August 1, 2011
Submit one copy to appropriate District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Table with 3 columns: API Number (98220), Pool Name (PURPLE SAGE; WOLFCAMP (GAS)), Property Name (DECIMUS FED COM), Well Number (802H), OGRID No. (372098), Operator Name (MARATHON OIL PERMIAN LLC), Elevation (3044')

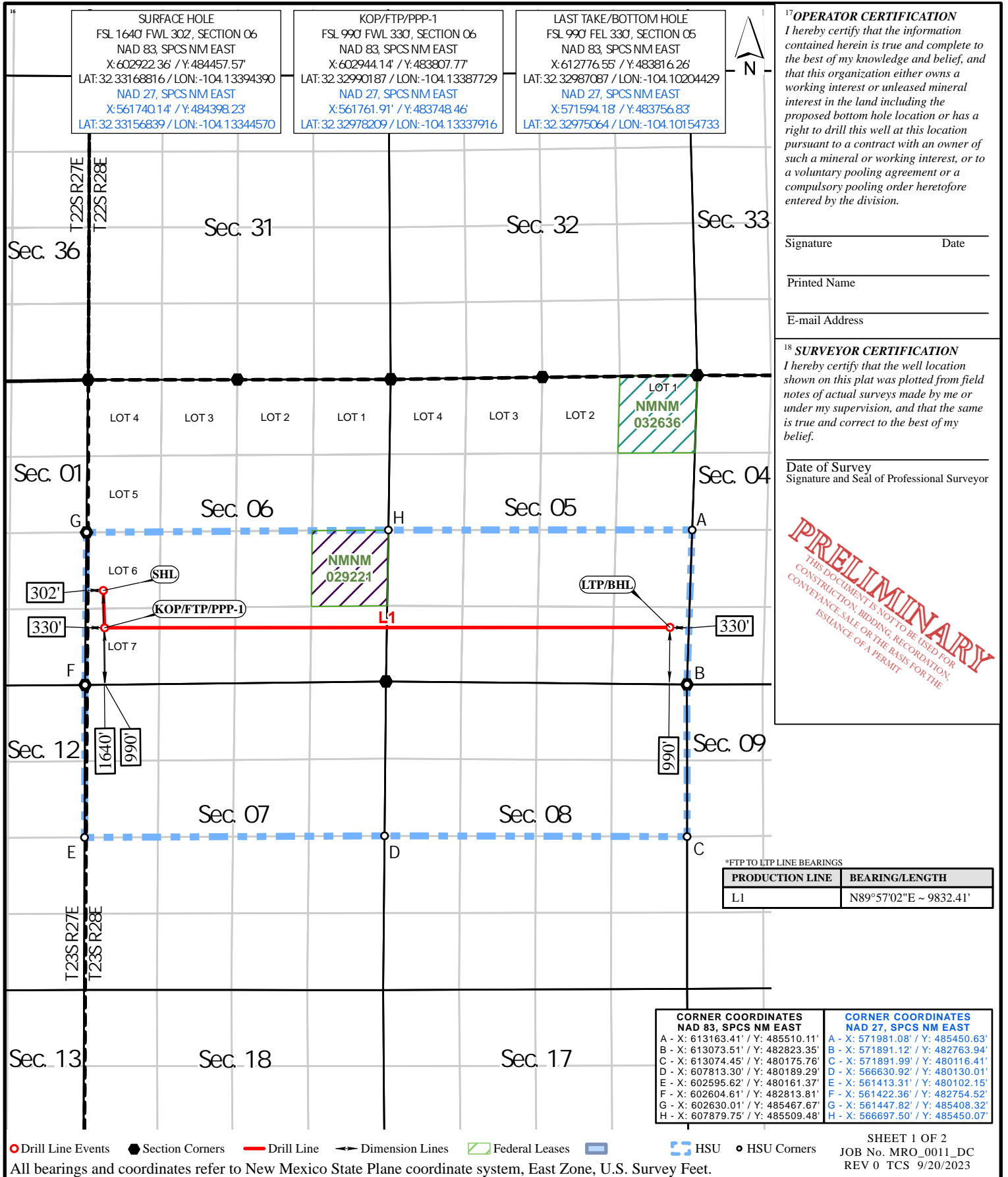
Surface Location

Table with 10 columns: UL or lot no. (L 6), Section (6), Township (23S), Range (28E), Lot Idn, Feet from the (1640'), North/South line (SOUTH), Feet from the (302'), East/West line (WEST), County (EDDY)

Bottom Hole Location If Different From Surface

Table with 10 columns: UL or lot no. (P), Section (5), Township (23S), Range (28E), Lot Idn, Feet from the (990'), North/South line (SOUTH), Feet from the (330'), East/West line (EAST), County (EDDY). Includes Dedicated Acres (1,276.38).

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



OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____
Printed Name _____
E-mail Address _____

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

Date of Survey _____
Signature and Seal of Professional Surveyor _____

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Table with 2 columns: PRODUCTION LINE, BEARING/LENGTH. Row 1: L1, N89°57'02"E ~ 9832.41'

Table with 2 columns: CORNER COORDINATES NAD 83, SPCS NM EAST and CORNER COORDINATES NAD 27, SPCS NM EAST. Lists coordinates for points A through H.

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No. 23755
Form C-102 Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Table with 3 columns: API Number, Pool Code, Pool Name, Property Code, Property Name, Well Number, OGRID No., Operator Name, Elevation.

Surface Location

Table with 10 columns: UL or lot no., Section, Township, Range, Lot Idn, Feet from the, North/South line, Feet from the, East/West line, County.

Bottom Hole Location If Different From Surface

Table with 10 columns: UL or lot no., Section, Township, Range, Lot Idn, Feet from the, North/South line, Feet from the, East/West line, County. Includes sub-table for Dedicated Acres, Joint or Infill, Consolidation Code, Order No.

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

Main plat diagram showing sections 05, 06, 07, 08, 12, 17, 18. Includes well location details for Surface Hole, KOP/FTP, and Last Take/Bottom Hole. Includes Operator and Surveyor certifications, a preliminary stamp, and corner coordinates.

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Table with 3 columns: API Number, Pool Code, Pool Name, Property Code, Property Name, Well Number, OGRID No., Operator Name, Elevation.

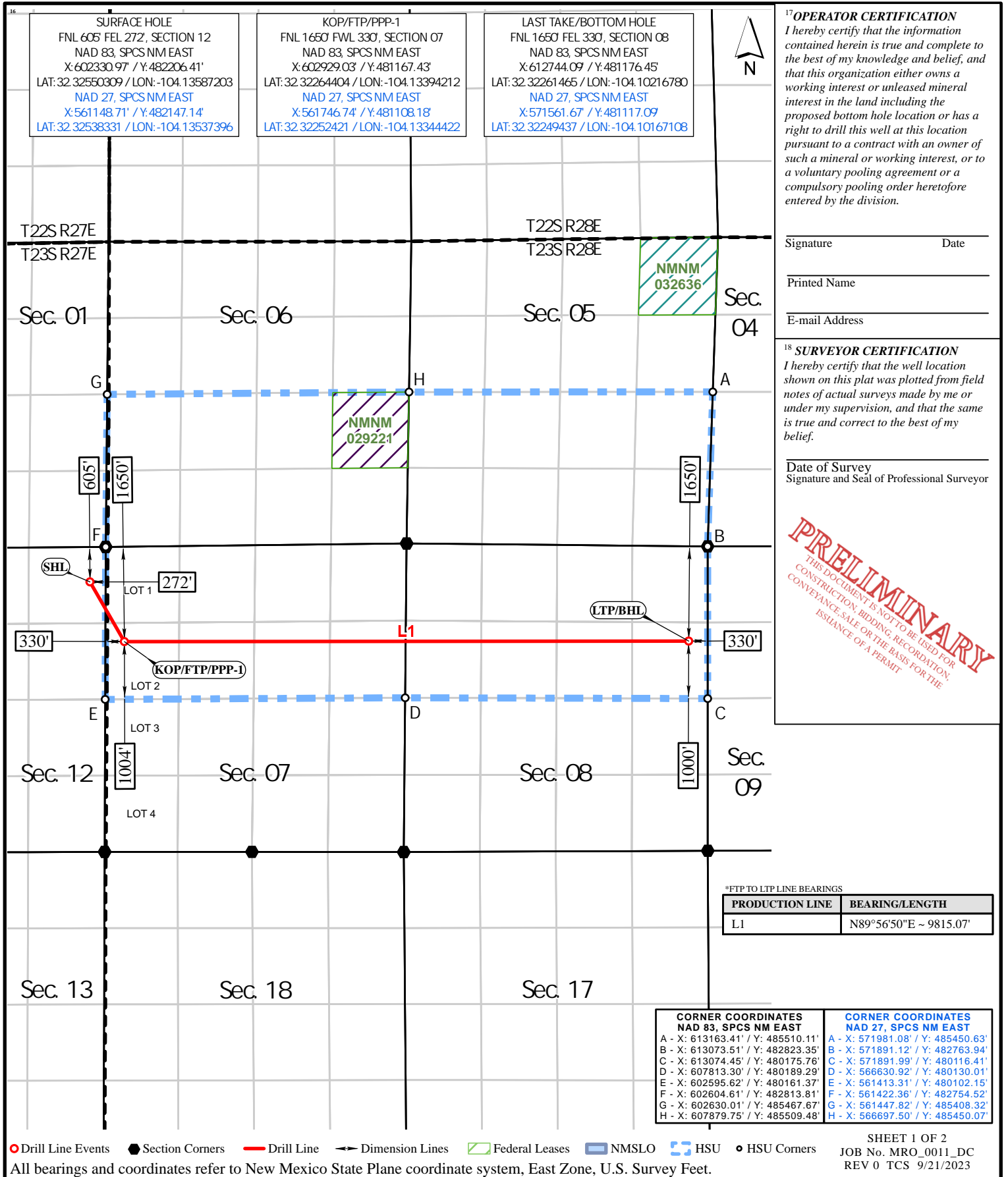
Surface Location

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Signature _____ Date _____
Printed Name _____
E-mail Address _____

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Date of Survey _____
Signature and Seal of Professional Surveyor _____

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Table with 2 columns: PRODUCTION LINE, BEARING/LENGTH. Row L1: N89°56'50"E ~ 9815.07'

Table with 2 columns: CORNER COORDINATES NAD 83, SPCS NM EAST; CORNER COORDINATES NAD 27, SPCS NM EAST. Lists points A through H with X and Y coordinates.

Drill Line Events Section Corners Drill Line Dimension Lines Federal Leases NMSLO HSU HSU Corners
All bearings and coordinates refer to New Mexico State Plane coordinate system, East Zone, U.S. Survey Feet.

Exhibit "B.3" Lease Tract Map

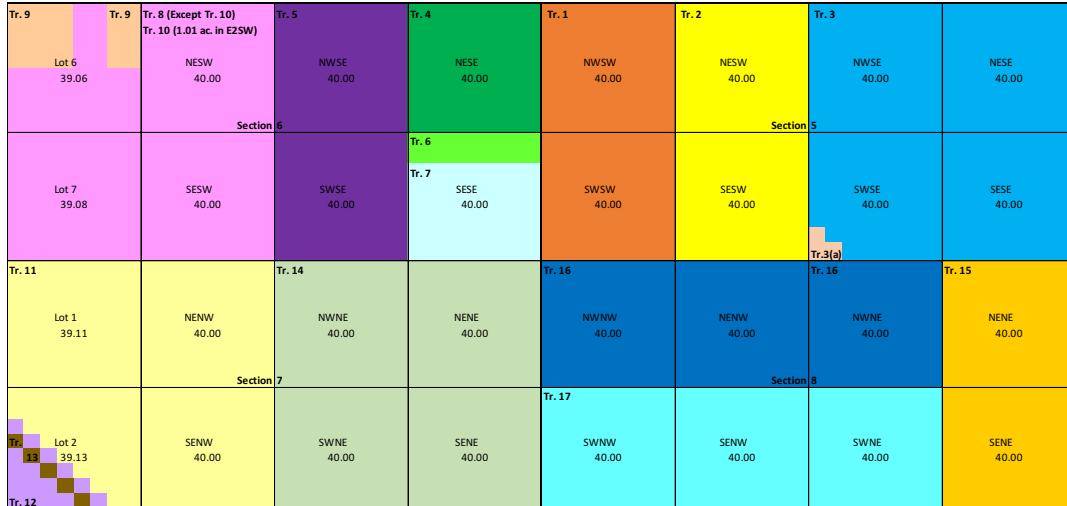
Decimus Fed Com 801H, 701H, 802H, 702H, 803H, 703H, 804H, and 704H
S/2 of Section 5 & 6, and N/2 of Section 7 & 8 T23S-R28E: 1,276.60 acres

DECIMUS XL DSU

Sections 5, 6, 7 & 8 Township 23 South Range 28 East

County Eddy State New Mexico

1276.60 acres, more or less (Note: BLM OG Plat: 1,276.38)



- Tract 1: Fee (80.00 acres)
- Tract 2: Fee (80.00 acres)
- Tract 3: Fee (160.00 acres)
- Tract 4: Federal (40.00 acres)
- Tract 5: Fee (80.00 acres)
- Tract 6: Fee (10.00 acres)
- Tract 7: Fee (30.00 acres)
- Tract 8: Fee (142.4825 acres)
- Tract 9: Fee (14.6475 acres)
- Tract 10: Fee (1.01 acres)
- Tract 11: Fee (135.10 acres)
- Tract 12: Fee (15.48 acres)
- Tract 13: Fee (7.88 acres)
- Tract 14: Fee (160.00 acres)
- Tract 15: Fee (80.00 acres)
- Tract 16: Fee (120.00 acres)
- Tract 17: Fee (120.00 acres)

Exhibit "B.3" Summary of Interests

**Decimus Fed Com 801H, 701H, 802H, 702H, 803H, 703H, 804H, and 704H
S/2 of Section 5 & 6, and N/2 of Section 7 & 8 T23S-R28E: 1,276.60 acres**

Committed Working Interest:

• Marathon Oil Permian LLC	75.194012% 67.963119%
• Fasken Land and Minerals Ltd.	7.230893%

Uncommitted Working Interest:

• Oxy USA WTP Limited Partnership	24.448006% 18.376547%
• Blakemore Family Royalty Partnership	3.133323%
• Roy G. Barton, Jr. and Wife, Clauda Barton, as Joint Tenants	0.385301%
• Roy G. Barton, Sr. & Opal Barton Revocable Trust, Roy G. Barton Jr., Trustee	0.385301%
• Valence Operating Company	0.319812%
• Stevens Oil & Gas, LLC	0.296112%
• Thomas M. Beall	0.239864%
• PrimeEnergy Asset and Income Fund AA-3 Attn: Ron Summers	0.179898%
• PrimeEnergy Asset and Income Fund AA-4 Attn: Ron Summers	0.179898%
• Ward N. Atkins, Jr.	0.159915%
• David M. Stevens	0.148055%
• Southwest Petroleum Company, L.P.	0.143817%
• Richardson Oil Company, LLC	0.103006%
• Michael F. Murry	0.095878%
• Novo Minerals, LP	0.077060%
• Lucinda Loveless	0.071959%
• Highland (Texas) Energy Company	0.071440%
• Wells Fargo Bank, N.A., Trustee of the Lisa McFarland Trust	0.035980%
• Wells Fargo Bank, N.A., Trustee of the Patricia Del Valle Trust	0.035980%
• Bruce A. Stubbs	0.008862%

Unleased Mineral Owners:

• The New Mexico Department of Transportation	0.357982% 0.154316%
• Don L. Parker	0.101833%
• Fort Worth Mineral Company, LLC	0.101833%

ORRI Owners:

- Estate of Jeanette Huguen
- Norma J. Chanley
- Dick A. Blenden
- Jeffrey B. Diamond
- Jeffrey B. Diamond and Envy Diamond
- Marifred Handley

ORRI Owners Continued on Following Page

Exhibit "B.3" Summary of Interests

Decimus Fed Com 801H, 701H, 802H, 702H, 803H, 703H, 804H, and 704H

S/2 of Section 5 & 6, and N/2 of Section 7 & 8 T23S-R28E: 1,276.60 acres

ORRI Owners (Continued):

- Harle, Inc.
- Jana Zane Hayes
- Gregory Raymond Hayes
- Sandy Blenden
- Phil Blenden
- Robin Shelton
- Robert Levenson and Carol Levenson
- Kathleen Phillips
- Tommy Phipps and Werta Jean Phipps, Trustees of The Phipps Living Trust
- Western Commerce Bank for the Account of Forrest Miller
- Forrest Miller
- Read & Stevens, Inc.
- CBR Oil Properties LLC
- Hillman Royalties, LP
- Stryker Energy, LLC
- Zunis Energy, LLC
- Susannah D. Adelson, Trustee of the James Adelson & Family 2015 Trusts
- Yuma Exploration & Production Company, Inc.
- Viper Energy Partners LLC
- MCM Permian, LLC

Exhibit "B.4" Summary of Contacts

**Decimus Fed Com 801H, 701H, 802H, 702H, 803H, 703H, 804H, and 704H
S/2 of Section 5 & 6, and N/2 of Section 7 & 8 T23S-R28E: 1,276.60 acres**

Summary of Contacts

- Marathon conducted extensive title work to determine the working interest owners and other interest owners.
- Marathon searched public records, phone directory, and various types of internet searches.
- Marathon sent well proposal letters to the working interest owners on or around March 21, 2023.
- Marathon proposed general terms of a Joint Operating Agreements (JOA) within the well proposal letters sent to working interest owners.
 - Marathon has discussed the general terms of the JOA, with the intent of finalizing the JOA prior to spud (subject to final approvals), with those working interest owners wishing to execute JOAs
- Marathon had multiple communications with the uncommitted working interest owners, which I have outlined in the chart below.
- Marathon has acquired several parties' working interest in the spacing through commercial transactions
- Marathon filed applications to force pool parties who had not entered into an agreement.
- Marathon's counsel sent notices of the force pooling applications to the addresses of record for the uncommitted interest owners and also for overriding royalty interest owners.
- Marathon also published notice in a newspaper of general circulation in the county where the wells will be located.



Exhibit "B.4" Summary of Contacts

Decimus Fed Com 801H, 701H, 802H, 702H, 803H, 703H, 804H, and 704H

S/2 of Section 5 & 6, and N/2 of Section 7 & 8 T23S-R28E: 1,276.60 acres

Summary of Contact with Working Interest Owners					
Name	% Interest	Proposal Letter Sent	Proposal Letter Received	Follow Up	
Oxy USA WTP Limited Partnership	18.376547%	3/21/2023	3/22/2023	Working on a trade for Marathon to acquire majority of Oxy's interest in the DSU; expected to close Nov. '23	
Fasken Land and Minerals Ltd.	7.230893%	3/21/2023	3/27/2023	JOA executed with Fasken	
Blakemore Family Royalty Partnership	3.133323%	3/21/2023	3/22/2023	Well proposal sent on 3/21/23 and received on 3/22/2023.	
Roy G. Barton, Jr. and Wife, Clauda Barton, as Joint Tenants	0.385301%	3/21/2023	3/22/2023	Returned proposal indicating their election to participate in the proposed wells	
Roy G. Barton, Sr. & Opal Barton Revocable Trust, Roy G. Barton Jr., Trustee	0.385301%	3/21/2023	3/22/2023	Returned proposal indicating their election to participate in the proposed wells	
Valence Operating Company	0.319812%	3/21/2023	3/22/2023	Returned proposal indicating their election to participate in the proposed wells	
Stevens Oil & Gas, LLC	0.296112%	3/21/2023	3/23/2023	Talked with Larry Stevens of Stevens Oil & Gas on 9/27 and answered questions regarding the development timing of the wells	
Thomas M. Beall	0.239864%	3/21/2023	3/22/2023	Well proposal sent on 3/21/23 and received on 3/22/2023.	
PrimeEnergy Asset and Income Fund AA-3 Attn: Ron Summers	0.179898%	3/21/2023	6/14/2023	Well proposals were sent 6/13/23 after the original proposal was unable to be delivered due to an incorrect address	
PrimeEnergy Asset and Income Fund AA-4 Attn: Ron Summers	0.179898%	3/21/2023	6/14/2023	Well proposals were sent 6/13/23 after the original proposal was unable to be delivered due to an incorrect address	
Ward N. Atkins, Jr.	0.159915%	3/21/2023	3/22/2023	Returned proposal indicating their election to participate in the proposed wells	
The New Mexico Department of Transportation	0.154316%	3/21/2023	3/22/2023	Well proposal sent on 3/21/23 and received on 3/22/2023.	
David M. Stevens	0.148055%	3/21/2023	3/22/2023	Well proposal sent on 3/21/23 and received on 3/22/2023.	
Southwest Petroleum Company, L.P.	0.143817%	3/21/2023	3/22/2023	Well proposal sent on 3/21/23 and received on 3/22/2023.	
Richardson Oil Company, LLC	0.103006%	3/21/2023	3/24/2023	Well proposal sent on 3/21/23 and received on 3/24/2023.	
Don L. Parker	0.101833%	3/21/2023	3/23/2023	Well proposal sent on 3/21/23 and received on 3/23/2023.	
Fort Worth Mineral Company, LLC	0.101833%	6/13/2023	6/28/2023	Well proposals were sent 6/27/23 after the original proposal was unable to be delivered due to an incorrect address	
Michael F. Murry	0.095878%	3/21/2023	3/22/2023	Well proposal sent on 3/21/23 and received on 3/22/2023.	
Novo Minerals, LP	0.077060%	3/21/2023	3/22/2023	Discussed drilling plan with Novo and sent proposed JOA	
Lucinda Loveless	0.071959%	3/21/2023	3/22/2023	Well proposal sent on 3/21/23 and received on 3/22/2023.	
Highland (Texas) Energy Company	0.071440%	3/21/2023	3/24/2023	Well proposal sent on 3/21/23 and received on 3/24/2023.	
Wells Fargo Bank, N.A., Trustee of the Lisa McFarland Trust	0.035980%	3/21/2023	6/15/2023	Well proposals were sent 6/13/23 after the original proposal was unable to be delivered due to an incorrect address	
Wells Fargo Bank, N.A., Trustee of the Patricia Del Valle Trust	0.035980%	3/21/2023	6/15/2023	Well proposals were sent 6/13/23 after the original proposal was unable to be delivered due to an incorrect address	
Bruce A. Stubbs	0.008862%	3/21/2023	6/15/2023	Well proposals were sent 6/13/23 after the original proposal was unable to be delivered due to an incorrect address	





Patricia Schoenberger
Land Professional

Marathon Oil Company
990 Town and Country Blvd.
Houston, TX 77024
Telephone 832.386.0393
schoenberger@marathonoil.com

March 15, 2023

OXY USA WTP Limited Partnership
5 Greenway Plaza, Suite 110
Houston, TX 77046

Re: Decimus Fed Com Unit (the "Wells")
Participation Proposal
S/2 of Section 5&6
Township 23 South, Range 28 East
N/2 of Section 7&8
Township 23 South, Range 28 East
Eddy County, New Mexico

Dear Sir/Madam:

Marathon Oil Permian LLC ("Marathon") proposes the drilling, completion, and equipping of the Wells, at a legal location in the S/2 of Sections 5 and 6, Township 23 South, Range 28 East, and the N/2 of Sections 7 and 8, Township 23 South, Range 28 East, Eddy County, New Mexico (the "Subject Lands"), as follows:

1) Decimus Fed Com 801H

SHL: SW/4 of Section 6-23S-28E

First take point: 330' FWL & 2310' FSL of Section 6, 23S-28E

Last take point: 330' FEL & 2310' FSL of Section 5, 23S-28E

The Well will be drilled horizontally within the Purple Sage/Wolfcamp formation to an approximate true vertical depth of 10,010' and an approximate measured depth of 20,260'.

2) Decimus Fed Com 701H

SHL: SW/4 of Section 6-23S-28E

First take point: 330' FWL & 1650' FSL of Section 6, 23S-28E

Last take point: 330' FEL & 1650' FSL of Section 5, 23S-28E

The Well will be drilled horizontally within the Purple Sage/Wolfcamp formation to an approximate true vertical depth of 9,330 and an approximate measured depth of 19,580'.

Exhibit B-5

3) **Decimus Fed Com 802H**

SHL: SW/4 of Section 6-23S-28E

First take point: 330' FWL & 990' FSL of Section 6, 23S-28E

Last take point: 330' FEL & 990' FSL of Section 5, 23S-28E

The Well will be drilled horizontally within the Purple Sage/Wolfcamp formation to an approximate true vertical depth of 10,010' and an approximate measured depth of 20,260'.

4) **Decimus Fed Com 702H**

SHL: SW/4 of Section 6-23S-28E

First take point: 330' FWL & 300' FSL of Section 6, 23S-28E

Last take point: 330' FEL & 300' FSL of Section 5, 23S-28E

The Well will be drilled horizontally within the Purple Sage/Wolfcamp formation to an approximate true vertical depth of 9,330' and an approximate measured depth of 19,580'.

5) **Decimus Fed Com 803H**

SHL: NW/4 of Section 7-23S-28E

First take point: 330' FWL & 300' FNL of Section 7, 23S-28E

Last take point: 330' FEL & 300' FNL of Section 8, 23S-28E

The Well will be drilled horizontally within the Purple Sage/Wolfcamp formation to an approximate true vertical depth of 10,010' and an approximate measured depth of 20,260'.

6) **Decimus Fed Com 703H**

SHL: NE/4 of Section 8-23S-28E

First take point: 330' FEL & 990' FNL of Section 8, 23S-28E

Last take point: 330' FWL & 990' FNL of Section 7, 23S-28E

The Well will be drilled horizontally within the Purple Sage/Wolfcamp formation to an approximate true vertical depth of 9,480' and an approximate measured depth of 19,730'.

7) **Decimus Fed Com 804H**

SHL: NE/4 of Section 8-23S-28E

First take point: 330' FEL & 1650' FNL of Section 8, 23S-28E

Last take point: 330' FWL & 1650' FNL of Section 7, 23S-28E

The Well will be drilled horizontally within the Purple Sage/Wolfcamp formation to an approximate true vertical depth of 10,160' and an approximate measured depth of 20,410'.

8) **Decimus Fed Com 704H**

SHL: NE/4 of Section 8-23S-28E

First take point: 330' FEL & 2310' FNL of Section 8, 23S-28E

Last take point: 330' FWL & 2310' FNL of Section 7, 23S-28E

The Well will be drilled horizontally within the Purple Sage/Wolfcamp formation to an approximate true vertical depth of 9,480' and an approximate measured depth of 19,730'.

Exhibit B-5

Authority for Expenditure (AFEs)

Enclosed with this letter is an Authority for Expenditure (“AFE”) for each of the proposed Wells. Please be aware that the enclosed AFEs are only an estimate of costs to be incurred, and by electing to participate, you shall be responsible for your proportionate share of all actual costs incurred.

Voluntary Agreement of Compulsory Pooling

Marathon will provide, upon request, a proposed Joint Operating Agreement (“JOA”) for development of the Subject Lands that will include the following basic terms:

- Marathon Oil Permian LLC to be named as Operator
- Contract Area begin the Subject Lands
- As a charge for the risk involved in drilling the well, 300% of the above costs
- \$8,000 per month drilling overhead rates and \$800 per month producing overhead rates, adjusted annually pursuant to Section III.1.A.3 of COPAS form titled “Accounting Procedure-Joint Operations.”

If you would like to discuss a farmout, an assignment of interest, an acreage trade or other form of agreement for your interests in the Subject Lands, please contact the undersigned. If Marathon is unable to reach a voluntary agreement for the development of the Subject Lands with all the interest owners in the proposed spacing unit, Marathon will file an application with the New Mexico Oil Conservation Division for an order pooling the Subject Lands.

Election Instructions

Please use the attached ballot to indicate your desire to participate in each of the proposed wells and return a signed AFE for each well in which you elect to participate. If we do not receive a response from you within thirty (30) days, we will proceed with the necessary proceedings to pool your interests in the proposed spacing unit for the initial wells.

Should you elect to participate, your interest will automatically be covered by the Operator’s insurance unless and until you provide written notice to Operator to the contrary, together with a valid, current insurance certificate from your insurance carrier in compliance with Operator’s minimum insurance requirements.

Should you have any questions regarding the above, please do not hesitate to contact me at the information provided in the top of this letter.

Best Regards,
Marathon Oil Permian LLC

Patricia Schoenberger

Patricia Schoenberger

Exhibit B-5

Land Professional

PARTICIPATION BALLOT

OXY USA WTP Limited Partnership hereby elects to:

- 1) _____ Not to participate in the **Decimus Fed Com 801H** Well.
_____ Participate in the **Decimus Fed Com 801H** Well by paying its proportionate share of all actual costs.
- 2) _____ Not to participate in the **Decimus Fed Com 701H** Well.
_____ Participate in the **Decimus Fed Com 701H** Well by paying its proportionate share of all actual costs.
- 3) _____ Not to participate in the **Decimus Fed Com 802H** Well.
_____ Participate in the **Decimus Fed Com 802H** Well by paying its proportionate share of all actual costs.
- 4) _____ Not to participate in the **Decimus Fed Com 702H** Well.
_____ Participate in the **Decimus Fed Com 702H** Well by paying its proportionate share of all actual costs.
- 5) _____ Not to participate in the **Decimus Fed Com 803H** Well.
_____ Participate in the **Decimus Fed Com 803H** Well by paying its proportionate share of all actual costs.
- 6) _____ Not to participate in the **Decimus Fed Com 703H** Well.
_____ Participate in the **Decimus Fed Com 703H** Well by paying its proportionate share of all actual costs.
- 7) _____ Not to participate in the **Decimus Fed Com 804H** Well.
_____ Participate in the **Decimus Fed Com 804H** Well by paying its proportionate share of all actual costs.
- 8) _____ Not to participate in the **Decimus Fed Com 704H** Well.
_____ Participate in the **Decimus Fed Com 704H** Well by paying its proportionate share of all actual costs.

By: _____

Print Name: _____

Title: _____

Exhibit B-5

Date: _____

Exhibit B-5

MARATHON OIL PERMIAN LLC
 AUTHORITY FOR EXPENDITURE
 DETAIL OF ESTIMATED WELL COSTS

DATE 3/15/2023
 DRILLING & LOCATION PREPARED BY COURT NELSON
 COMPLETION PREPARED BY KRISTEN DRAIN
 FACILITIES PREPARED BY HARSHA DISSANAYAKE
 ARTIFICIAL LIFT PREPARED BY CRAIG PLANTE

Asset Team	<u>PERMIAN</u>		
Field	<u>Purple Sage/Wolfcamp</u>	<u>WILDCAT</u>	<u>EXPLORATION</u>
Lease/Facility	<u>Decimus Fed Com 701H</u>	<u>DEVELOPMENT</u>	<u>RECOMPLETION</u>
Location	<u>SW/4 of Section 6-23S-28E</u>	<u>X</u> <u>EXPLOITATION</u>	<u>WORKOVER</u>
Prospect	<u>Malaga</u>		
Est Total Depth	<u>19,580</u>	Est Drilling Days <u>21.25</u>	Est Completion Days <u>11</u>

LOCATION COST - INTANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
<u>7001270</u>	<u>Location and Access</u>	<u>165,000</u>
<u>7001250</u>	<u>Land Broker Fees and Services</u>	<u>110,000</u>
		<u>0</u>
TOTAL LOCATION COST - INTANGIBLE		<u>\$275,000</u>

DRILLING COST - TANGIBLE

<u>7001270</u>	<u>Conductor Pipe</u>	<u>30,288</u>
<u>7012050</u>	<u>Surface Casing</u>	<u>31,499</u>
<u>7012050</u>	<u>Intermediate Casing 1</u>	<u>128,421</u>
<u>7012050</u>	<u>Intermediate Casing 2</u>	<u>-</u>
<u>7012050</u>	<u>Production Casing</u>	<u>629,988</u>
<u>7012050</u>	<u>Drig Liner Hanger, Tieback Eq & Csg Accessories</u>	<u>-</u>
<u>7012550</u>	<u>Drilling Wellhead Equipment</u>	<u>29,076</u>
<u>7012040</u>	<u>Casing & Tubing Access</u>	<u>66,633</u>
<u>7290003</u>	<u>Miscellaneous MRO Materials</u>	<u>6,058</u>
		<u>-</u>
TOTAL DRILLING - TANGIBLE		<u>\$921,964</u>

DRILLING COST - INTANGIBLE

<u>7290002</u>	<u>Drilling Rig Mob/Demob</u>	<u>121,152</u>
<u>7290002</u>	<u>Drilling Rig - day work/footage</u>	<u>690,564</u>
<u>7019040</u>	<u>Directional Drilling Services</u>	<u>196,993</u>
<u>7019020</u>	<u>Cement and Cementing Servic. Surface</u>	<u>18,173</u>
<u>7019020</u>	<u>Cement and Cementing Servic. Intermediate 1</u>	<u>30,288</u>
<u>7019020</u>	<u>Cement and Cementing Servic. Intermediate 2</u>	<u>-</u>
<u>7019020</u>	<u>Cement and Cementing Servic. Production</u>	<u>181,727</u>
<u>7019140</u>	<u>Mud Fluids & Services</u>	<u>80,263</u>
<u>7012310</u>	<u>Solids Control equipment</u>	<u>51,792</u>
<u>7012020</u>	<u>Bits</u>	<u>145,382</u>
<u>7019010</u>	<u>Casing Crew and Services</u>	<u>48,461</u>
<u>7016350</u>	<u>Fuel (Rig)</u>	<u>89,198</u>
<u>7019140</u>	<u>Fuel (Mud)</u>	<u>36,345</u>
<u>7001460</u>	<u>Water (non potable)</u>	<u>30,288</u>
<u>7012350</u>	<u>Water (potable)</u>	<u>6,058</u>
<u>7019000</u>	<u>Well Logging Services</u>	<u>-</u>
<u>7019150</u>	<u>Mud Logging+geosteering</u>	<u>16,764</u>
<u>7019250</u>	<u>Stabilizers, Hole Openers, Underreamers (DH rentals)</u>	<u>42,403</u>
<u>7019110</u>	<u>Casing inspection/cleaning</u>	<u>18,173</u>
<u>7019110</u>	<u>Drill pipe/collar inspection services</u>	<u>12,115</u>
<u>7016180</u>	<u>Freight - truck</u>	<u>30,288</u>
<u>7001460</u>	<u>Water hauling and disposal (includes soil farming)</u>	<u>72,691</u>
<u>7001160</u>	<u>Contract Services - Disposal/Non-Hazardous Waste</u>	<u>96,921</u>
<u>7001440</u>	<u>Vacuum Trucks</u>	<u>12,115</u>
<u>7000030</u>	<u>Contract Labor - general</u>	<u>36,345</u>
<u>7000010</u>	<u>Contract Labor - Operations</u>	<u>3,635</u>
<u>7001200</u>	<u>Contract Services - Facilities</u>	<u>12,115</u>
<u>7019300</u>	<u>Well Services - Well Control Services</u>	<u>25,745</u>
<u>7019350</u>	<u>Well Services - Well/Wellhead Services</u>	<u>12,115</u>
<u>7290003</u>	<u>Rental Tools and Equipment (surface rentals)</u>	<u>14,387</u>
<u>7260001</u>	<u>Rig Equipment and Misc.</u>	<u>115,094</u>
<u>7001110</u>	<u>Telecommunications Services</u>	<u>6,058</u>
<u>7001120</u>	<u>Consulting Services</u>	<u>120,849</u>
<u>7001400</u>	<u>Safety and Environmental</u>	<u>40,283</u>
<u>7330002</u>	<u>Rental Buildings (trailers)</u>	<u>14,387</u>
<u>7019310</u>	<u>Coring (sidewalls & analysis)</u>	<u>-</u>
<u>7011010</u>	<u>8% Contingency & Taxes</u>	<u>268,090</u>
		<u>-</u>
TOTAL DRILLING - INTANGIBLE		<u>\$2,697,256</u>

TOTAL DRILLING COST

\$3,619,220

COMPLETION - TANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
<u>7012580</u>	<u>Tubing</u>	<u>-</u>
<u>7012040</u>	<u>Tubing Accessories (nipple, wireline entry)</u>	<u>-</u>
<u>7012550</u>	<u>Wellhead Equip</u>	<u>15,000</u>
<u>7012560</u>	<u>Packers - Completion Equipment</u>	<u>-</u>
		<u>-</u>
TOTAL COMPLETION - TANGIBLE		<u>\$15,000</u>

COMPLETION - INTANGIBLE

<u>7001270</u>	<u>Location and Access (dress location after rig move, set anchors)</u>	<u>12,539</u>
<u>7290002</u>	<u>Drilling Rig During Completion</u>	<u>-</u>
<u>7019140</u>	<u>Mud Fluids & Services</u>	<u>-</u>
<u>7019030</u>	<u>Coiled Tubing Services (3 runs)</u>	<u>197,042</u>
<u>7019240</u>	<u>Snubbing Services</u>	<u>-</u>
<u>7019270</u>	<u>Pulling/Swab Units</u>	<u>-</u>
<u>7016350</u>	<u>Fuel (from drlg)</u>	<u>-</u>
<u>7019010</u>	<u>Casing Crew and Services</u>	<u>-</u>
<u>7019020</u>	<u>Cement and Cementing Services</u>	<u>-</u>
<u>7019080</u>	<u>Well Testing Services (flow hand & equip)</u>	<u>484,571</u>
<u>7390002</u>	<u>Fracturing Services</u>	<u>5,155,178</u>
<u>7019330</u>	<u>Perforating</u>	<u>234,172</u>
<u>7019360</u>	<u>Wireline Services</u>	<u>-</u>
<u>7001460</u>	<u>Water Hauling & Disposal (frac fluids)</u>	<u>362,770</u>
<u>7016180</u>	<u>Freight - Truck (haul pipe; drlg & compl)</u>	<u>-</u>
<u>7290003</u>	<u>BOP Rental & Testing</u>	<u>-</u>
<u>7290003</u>	<u>Rental Tools and Equipment (incl drlg; lightplant,hydra-walk)</u>	<u>-</u>
<u>7290003</u>	<u>CT Downhole Rental Equipment (ie. Bit, BHA)</u>	<u>58,217</u>
<u>7290003</u>	<u>Contract Labor - general</u>	<u>-</u>
<u>7000030</u>	<u>Telecommunications Services</u>	<u>44,782</u>
<u>7001110</u>	<u>Safety and Environmental</u>	<u>-</u>
<u>7001400</u>	<u>Consulting Services</u>	<u>117,778</u>
<u>7001120</u>	<u>Zipper Manifold</u>	<u>176,235</u>
<u>7019300</u>	<u>Frac Stack Rentals</u>	<u>152,260</u>
<u>7016180</u>	<u>Freight (Transportation Services)</u>	<u>8,598</u>
<u>7260001</u>	<u>Equipment Rental (w/o operator, frac tanks, lightplants)</u>	<u>227,785</u>
<u>7330002</u>	<u>Rental Buildings (trailers)</u>	<u>-</u>
<u>7000030</u>	<u>Contract Labor - Pumping (pump-down pumps)</u>	<u>44,782</u>
<u>7011010</u>	<u>8% Contingency & Taxes</u>	<u>-</u>
		<u>-</u>
TOTAL COMPLETION - INTANGIBLE		<u>\$7,276,709</u>

TOTAL COMPLETION COST

\$7,291,709

SURFACE EQUIPMENT - TANGIBLE

7012350	Misc. Piping, Fittings & Valves	130,155
7006640	Company Labor & Burden	-
7000030	Contract Labor - General	141,355
7001110	Telecommunication equip (Telemetry)	-
7012410	Line Pipe & Accessories	37,680
7012270	Miscellaneous Materials (containment system)	39,249
7008060	SCADA	12,417
7016180	Freight - truck	12,981
7001190	Contract Engineering	8,041
7012290	Metering and Instrumentation	220,258
7012290	I&E Materials	129,197
7012200	Gas Treating	-
7012200	Dehydration	-
7012010	Compressor	14,948
7012350	Power	-
7012610	Vapor Recovery Unit	-
7012440	Separator & other pressure vessels	208,842
7012500	Tanks	36,761
7012100	Heater Treater	108,649
7012640	Flare & Accessories	15,782
7000010	Electrical Labor	71,389
7000010	Mechanical Labor	154,377
7012480	Rod Pumping unit & Pad	-
7012180	Pumping Unit Engine	-
7012350	Electrical Power (electrical cooperative construction costs)	28,919
TOTAL SURFACE EQUIPMENT - TANGIBLE		\$1,371,000

TOTAL SURFACE EQUIPMENT COST \$ 1,371,000

ARTIFICIAL LIFT

7000030	Contract Labor	5,071
7001120	Consultant	4,056
7008230	Time Writing/Overhead	5,071
7012180	Artificial Lift Equipment	265,699
7012350	Materials & Supplies	2,028
7012550	Production Tree	5,071
7012580	Tubing	106,482
7016190	Freight	5,071
7018150	Rentals	6,085
7019130	Kill Fluid	2,028
7019220	Well Services & Rig	24,339
TOTAL ARTIFICIAL LIFT		431,000

TOTAL ARTIFICIAL LIFT COST \$ 431,000

SUMMARY OF ESTIMATED DRILLING WELL COSTS	TOTAL COST
TOTAL LOCATION COST	\$ 275,000
TOTAL DRILLING COST	\$ 3,619,220
TOTAL COMPLETIONS COST	\$ 7,291,709
TOTAL SURFACE EQUIPMENT COST	\$ 1,371,000
TOTAL ARTIFICIAL LIFT COST	\$ 431,000
GRAND TOTAL COST	\$12,987,929

MARATHON OIL PERMIAN LLC
 AUTHORITY FOR EXPENDITURE
 DETAIL OF ESTIMATED WELL COSTS

DATE 3/15/2023

Asset Team PERMIAN
 Field Purple Sage/Wolfcamp
 Lease/Facility Decimus Fed Com 701H

EXTRA EXPENSE INSURANCE

- I elect to be covered by Operator's Extra Expense Insurance and pay my proportionate share of the premium.
Operator has secured Extra Expense Insurance covering costs of well control, clean up and redrilling as estimated in Line Item 0180-0185.
- I elect to purchase my own well control insurance policy.

If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well control insurance.

Company / Owner: _____ Date: _____

Signature: _____

Joint Owner Name: _____

Joint Owner Title: _____

MARATHON OIL PERMIAN LLC
 AUTHORITY FOR EXPENDITURE
 DETAIL OF ESTIMATED WELL COSTS

DATE 3/15/2023
 DRILLING & LOCATION PREPARED BY COURT NELSON
 COMPLETION PREPARED BY KRISTEN DRAIN
 FACILITIES PREPARED BY HARSHA DISSANAYAKE
 ARTIFICIAL LIFT PREPARED BY CRAIG PLANTE

Asset Team	<u>PERMIAN</u>		
Field	<u>Purple Sage/Wolfcamp</u>	<u>WILDCAT</u>	<u>EXPLORATION</u>
Lease/Facility	<u>Decimus Fed Com 702H</u>	<u>DEVELOPMENT</u>	<u>RECOMPLETION</u>
Location	<u>SW/4 of Section 6-23S-28E</u>	<u>X</u> <u>EXPLOITATION</u>	<u>WORKOVER</u>
Prospect	<u>Malaga</u>		
Est Total Depth	<u>19,580</u>	Est Drilling Days <u>21.25</u>	Est Completion Days <u>11</u>

LOCATION COST - INTANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
<u>7001270</u>	<u>Location and Access</u>	<u>165,000</u>
<u>7001250</u>	<u>Land Broker Fees and Services</u>	<u>110,000</u>
		<u>0</u>
	TOTAL LOCATION COST - INTANGIBLE	\$275,000

DRILLING COST - TANGIBLE

<u>7001270</u>	<u>Conductor Pipe</u>	<u>30,288</u>
<u>7012050</u>	<u>Surface Casing</u>	<u>31,499</u>
<u>7012050</u>	<u>Intermediate Casing 1</u>	<u>128,421</u>
<u>7012050</u>	<u>Intermediate Casing 2</u>	<u>-</u>
<u>7012050</u>	<u>Production Casing</u>	<u>629,988</u>
<u>7012050</u>	<u>Drig Liner Hanger, Tieback Eq & Csg Accessories</u>	<u>-</u>
<u>7012550</u>	<u>Drilling Wellhead Equipment</u>	<u>29,076</u>
<u>7012040</u>	<u>Casing & Tubing Access</u>	<u>66,633</u>
<u>7290003</u>	<u>Miscellaneous MRO Materials</u>	<u>6,058</u>
		<u>-</u>
	TOTAL DRILLING - TANGIBLE	\$921,964

DRILLING COST - INTANGIBLE

<u>7290002</u>	<u>Drilling Rig Mob/Demob</u>	<u>121,152</u>
<u>7290002</u>	<u>Drilling Rig - day work/footage</u>	<u>690,564</u>
<u>7019040</u>	<u>Directional Drilling Services</u>	<u>196,993</u>
<u>7019020</u>	<u>Cement and Cementing Servic. Surface</u>	<u>18,173</u>
<u>7019020</u>	<u>Cement and Cementing Servic. Intermediate 1</u>	<u>30,288</u>
<u>7019020</u>	<u>Cement and Cementing Servic. Intermediate 2</u>	<u>-</u>
<u>7019020</u>	<u>Cement and Cementing Servic. Production</u>	<u>181,727</u>
<u>7019140</u>	<u>Mud Fluids & Services</u>	<u>80,263</u>
<u>7012310</u>	<u>Solids Control equipment</u>	<u>51,792</u>
<u>7012020</u>	<u>Bits</u>	<u>145,382</u>
<u>7019010</u>	<u>Casing Crew and Services</u>	<u>48,461</u>
<u>7016350</u>	<u>Fuel (Rig)</u>	<u>89,198</u>
<u>7019140</u>	<u>Fuel (Mud)</u>	<u>36,345</u>
<u>7001460</u>	<u>Water (non potable)</u>	<u>30,288</u>
<u>7012350</u>	<u>Water (potable)</u>	<u>6,058</u>
<u>7019000</u>	<u>Well Logging Services</u>	<u>-</u>
<u>7019150</u>	<u>Mud Logging+geosteering</u>	<u>16,764</u>
<u>7019250</u>	<u>Stabilizers, Hole Openers, Underreamers (DH rentals)</u>	<u>42,403</u>
<u>7019110</u>	<u>Casing inspection/cleaning</u>	<u>18,173</u>
<u>7019110</u>	<u>Drill pipe/collar inspection services</u>	<u>12,115</u>
<u>7016180</u>	<u>Freight - truck</u>	<u>30,288</u>
<u>7001460</u>	<u>Water hauling and disposal (includes soil farming)</u>	<u>72,691</u>
<u>7001160</u>	<u>Contract Services - Disposal/Non-Hazardous Waste</u>	<u>96,921</u>
<u>7001440</u>	<u>Vacuum Trucks</u>	<u>12,115</u>
<u>7000030</u>	<u>Contract Labor - general</u>	<u>36,345</u>
<u>7000010</u>	<u>Contract Labor - Operations</u>	<u>3,635</u>
<u>7001200</u>	<u>Contract Services - Facilities</u>	<u>12,115</u>
<u>7019300</u>	<u>Well Services - Well Control Services</u>	<u>25,745</u>
<u>7019350</u>	<u>Well Services - Well/Wellhead Services</u>	<u>12,115</u>
<u>7290003</u>	<u>Rental Tools and Equipment (surface rentals)</u>	<u>14,387</u>
<u>7260001</u>	<u>Rig Equipment and Misc.</u>	<u>115,094</u>
<u>7001110</u>	<u>Telecommunications Services</u>	<u>6,058</u>
<u>7001120</u>	<u>Consulting Services</u>	<u>120,849</u>
<u>7001400</u>	<u>Safety and Environmental</u>	<u>40,283</u>
<u>7330002</u>	<u>Rental Buildings (trailers)</u>	<u>14,387</u>
<u>7019310</u>	<u>Coring (sidewalls & analysis)</u>	<u>-</u>
<u>7011010</u>	<u>8% Contingency & Taxes</u>	<u>268,090</u>
		<u>-</u>
	TOTAL DRILLING - INTANGIBLE	\$2,697,256

TOTAL DRILLING COST

\$3,619,220

COMPLETION - TANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
<u>7012580</u>	<u>Tubing</u>	<u>-</u>
<u>7012040</u>	<u>Tubing Accessories (nipple, wireline entry)</u>	<u>-</u>
<u>7012550</u>	<u>Wellhead Equip</u>	<u>15,000</u>
<u>7012560</u>	<u>Packers - Completion Equipment</u>	<u>-</u>
		<u>-</u>
	TOTAL COMPLETION - TANGIBLE	\$15,000

COMPLETION - INTANGIBLE

<u>7001270</u>	<u>Location and Access (dress location after rig move, set anchors)</u>	<u>12,539</u>
<u>7290002</u>	<u>Drilling Rig During Completion</u>	<u>-</u>
<u>7019140</u>	<u>Mud Fluids & Services</u>	<u>-</u>
<u>7019030</u>	<u>Coiled Tubing Services (3 runs)</u>	<u>197,042</u>
<u>7019240</u>	<u>Snubbing Services</u>	<u>-</u>
<u>7019270</u>	<u>Pulling/Swab Units</u>	<u>-</u>
<u>7016350</u>	<u>Fuel (from drlg)</u>	<u>-</u>
<u>7019010</u>	<u>Casing Crew and Services</u>	<u>-</u>
<u>7019020</u>	<u>Cement and Cementing Services</u>	<u>-</u>
<u>7019080</u>	<u>Well Testing Services (flow hand & equip)</u>	<u>484,571</u>
<u>7390002</u>	<u>Fracturing Services</u>	<u>5,155,178</u>
<u>7019330</u>	<u>Perforating</u>	<u>234,172</u>
<u>7019360</u>	<u>Wireline Services</u>	<u>-</u>
<u>7001460</u>	<u>Water Hauling & Disposal (frac fluids)</u>	<u>362,770</u>
<u>7016180</u>	<u>Freight - Truck (haul pipe; drlg & compl)</u>	<u>-</u>
<u>7290003</u>	<u>BOP Rental & Testing</u>	<u>-</u>
<u>7290003</u>	<u>Rental Tools and Equipment (incl drlg; lightplant,hydra-walk)</u>	<u>-</u>
<u>7290003</u>	<u>CT Downhole Rental Equipment (ie. Bit, BHA)</u>	<u>58,217</u>
<u>7290003</u>	<u>Contract Labor - general</u>	<u>-</u>
<u>7000030</u>	<u>Telecommunications Services</u>	<u>44,782</u>
<u>7001110</u>	<u>Safety and Environmental</u>	<u>-</u>
<u>7001400</u>	<u>Consulting Services</u>	<u>117,778</u>
<u>7001120</u>	<u>Zipper Manifold</u>	<u>176,235</u>
<u>7019300</u>	<u>Frac Stack Rentals</u>	<u>152,260</u>
<u>7016180</u>	<u>Freight (Transportation Services)</u>	<u>8,598</u>
<u>7260001</u>	<u>Equipment Rental (w/o operator, frac tanks, lightplants)</u>	<u>227,785</u>
<u>7330002</u>	<u>Rental Buildings (trailers)</u>	<u>-</u>
<u>7000030</u>	<u>Contract Labor - Pumping (pump-down pumps)</u>	<u>44,782</u>
<u>7011010</u>	<u>8% Contingency & Taxes</u>	<u>-</u>
		<u>-</u>
	TOTAL COMPLETION - INTANGIBLE	\$7,276,709

TOTAL COMPLETION COST

\$7,291,709

SURFACE EQUIPMENT - TANGIBLE

7012350	Misc. Piping, Fittings & Valves	130,155
7006640	Company Labor & Burden	-
7000030	Contract Labor - General	141,355
7001110	Telecommunication equip (Telemetry)	-
7012410	Line Pipe & Accessories	37,680
7012270	Miscellaneous Materials (containment system)	39,249
7008060	SCADA	12,417
7016180	Freight - truck	12,981
7001190	Contract Engineering	8,041
7012290	Metering and Instrumentation	220,258
7012290	I&E Materials	129,197
7012200	Gas Treating	-
7012200	Dehydration	-
7012010	Compressor	14,948
7012350	Power	-
7012610	Vapor Recovery Unit	-
7012440	Separator & other pressure vessels	208,842
7012500	Tanks	36,761
7012100	Heater Treater	108,649
7012640	Flare & Accessories	15,782
7000010	Electrical Labor	71,389
7000010	Mechanical Labor	154,377
7012480	Rod Pumping unit & Pad	-
7012180	Pumping Unit Engine	-
7012350	Electrical Power (electrical cooperative construction costs)	28,919
TOTAL SURFACE EQUIPMENT - TANGIBLE		\$1,371,000

TOTAL SURFACE EQUIPMENT COST \$ 1,371,000

ARTIFICIAL LIFT

7000030	Contract Labor	5,071
7001120	Consultant	4,056
7008230	Time Writing/Overhead	5,071
7012180	Artificial Lift Equipment	265,699
7012350	Materials & Supplies	2,028
7012550	Production Tree	5,071
7012580	Tubing	106,482
7016190	Freight	5,071
7018150	Rentals	6,085
7019130	Kill Fluid	2,028
7019220	Well Services & Rig	24,339
TOTAL ARTIFICIAL LIFT		431,000

TOTAL ARTIFICIAL LIFT COST \$ 431,000

SUMMARY OF ESTIMATED DRILLING WELL COSTS

TOTAL COST

TOTAL LOCATION COST	\$ 275,000
TOTAL DRILLING COST	\$ 3,619,220
TOTAL COMPLETIONS COST	\$ 7,291,709
TOTAL SURFACE EQUIPMENT COST	\$ 1,371,000
TOTAL ARTIFICIAL LIFT COST	\$ 431,000

GRAND TOTAL COST \$12,987,929

MARATHON OIL PERMIAN LLC
AUTHORITY FOR EXPENDITURE
DETAIL OF ESTIMATED WELL COSTS

DATE 3/15/2023

Asset Team PERMIAN
Field Purple Sage/Wolfcamp
Lease/Facility Decimus Fed Com 702H

EXTRA EXPENSE INSURANCE

- I elect to be covered by Operator's Extra Expense Insurance and pay my proportionate share of the premium.
Operator has secured Extra Expense Insurance covering costs of well control, clean up and redrilling as estimated in Line Item 0180-0185.
- I elect to purchase my own well control insurance policy.

If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well control insurance.

Company / Owner: _____ Date: _____

Signature: _____

Joint Owner Name: _____

Joint Owner Title: _____

MARATHON OIL PERMIAN LLC
 AUTHORITY FOR EXPENDITURE
 DETAIL OF ESTIMATED WELL COSTS

DATE 3/15/2023
 DRILLING & LOCATION PREPARED BY COURT NELSON
 COMPLETION PREPARED BY KRISTEN DRAIN
 FACILITIES PREPARED BY HARSHA DISSANAYAKE
 ARTIFICIAL LIFT PREPARED BY CRAIG PLANTE

Asset Team	<u>PERMIAN</u>		
Field	<u>Purple Sage/Wolfcamp</u>	<u>WILDCAT</u>	<u>EXPLORATION</u>
Lease/Facility	<u>Decimus Fed Com 703H</u>	<u>DEVELOPMENT</u>	<u>RECOMPLETION</u>
Location	<u>NE/4 of Section 8-23S-28E</u>	<u>X</u> <u>EXPLOITATION</u>	<u>WORKOVER</u>
Prospect	<u>Malaga</u>		

Est Total Depth	<u>19,730</u>	Est Drilling Days	<u>21.25</u>	Est Completion Days	<u>11</u>
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LOCATION COST - INTANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
<u>7001270</u>	<u>Location and Access</u>	<u>165,000</u>
<u>7001250</u>	<u>Land Broker Fees and Services</u>	<u>110,000</u>
		<u>0</u>
	TOTAL LOCATION COST - INTANGIBLE	\$275,000

DRILLING COST - TANGIBLE

<u>7001270</u>	<u>Conductor Pipe</u>	<u>30,288</u>
<u>7012050</u>	<u>Surface Casing</u>	<u>31,499</u>
<u>7012050</u>	<u>Intermediate Casing 1</u>	<u>128,421</u>
<u>7012050</u>	<u>Intermediate Casing 2</u>	<u>-</u>
<u>7012050</u>	<u>Production Casing</u>	<u>629,988</u>
<u>7012050</u>	<u>Drig Liner Hanger, Tieback Eq & Csg Accessories</u>	<u>-</u>
<u>7012550</u>	<u>Drilling Wellhead Equipment</u>	<u>29,076</u>
<u>7012040</u>	<u>Casing & Tubing Access</u>	<u>66,633</u>
<u>7290003</u>	<u>Miscellaneous MRO Materials</u>	<u>6,058</u>
		<u>-</u>
	TOTAL DRILLING - TANGIBLE	\$921,964

DRILLING COST - INTANGIBLE

<u>7290002</u>	<u>Drilling Rig Mob/Demob</u>	<u>121,152</u>
<u>7290002</u>	<u>Drilling Rig - day work/footage</u>	<u>690,564</u>
<u>7019040</u>	<u>Directional Drilling Services</u>	<u>196,993</u>
<u>7019020</u>	<u>Cement and Cementing Servic. Surface</u>	<u>18,173</u>
<u>7019020</u>	<u>Cement and Cementing Servic. Intermediate 1</u>	<u>30,288</u>
<u>7019020</u>	<u>Cement and Cementing Servic. Intermediate 2</u>	<u>-</u>
<u>7019020</u>	<u>Cement and Cementing Servic. Production</u>	<u>181,727</u>
<u>7019140</u>	<u>Mud Fluids & Services</u>	<u>80,263</u>
<u>7012310</u>	<u>Solids Control equipment</u>	<u>51,792</u>
<u>7012020</u>	<u>Bits</u>	<u>145,382</u>
<u>7019010</u>	<u>Casing Crew and Services</u>	<u>48,461</u>
<u>7016350</u>	<u>Fuel (Rig)</u>	<u>89,198</u>
<u>7019140</u>	<u>Fuel (Mud)</u>	<u>36,345</u>
<u>7001460</u>	<u>Water (non potable)</u>	<u>30,288</u>
<u>7012350</u>	<u>Water (potable)</u>	<u>6,058</u>
<u>7019000</u>	<u>Well Logging Services</u>	<u>-</u>
<u>7019150</u>	<u>Mud Logging+geosteering</u>	<u>16,764</u>
<u>7019250</u>	<u>Stabilizers, Hole Openers, Underreamers (DH rentals)</u>	<u>42,403</u>
<u>7019110</u>	<u>Casing inspection/cleaning</u>	<u>18,173</u>
<u>7019110</u>	<u>Drill pipe/collar inspection services</u>	<u>12,115</u>
<u>7016180</u>	<u>Freight - truck</u>	<u>30,288</u>
<u>7001460</u>	<u>Water hauling and disposal (includes soil farming)</u>	<u>72,691</u>
<u>7001160</u>	<u>Contract Services - Disposal/Non-Hazardous Waste</u>	<u>96,921</u>
<u>7001440</u>	<u>Vacuum Trucks</u>	<u>12,115</u>
<u>7000030</u>	<u>Contract Labor - general</u>	<u>36,345</u>
<u>7000010</u>	<u>Contract Labor - Operations</u>	<u>3,635</u>
<u>7001200</u>	<u>Contract Services - Facilities</u>	<u>12,115</u>
<u>7019300</u>	<u>Well Services - Well Control Services</u>	<u>25,745</u>
<u>7019350</u>	<u>Well Services - Well/Wellhead Services</u>	<u>12,115</u>
<u>7290003</u>	<u>Rental Tools and Equipment (surface rentals)</u>	<u>14,387</u>
<u>7260001</u>	<u>Rig Equipment and Misc.</u>	<u>115,094</u>
<u>7001110</u>	<u>Telecommunications Services</u>	<u>6,058</u>
<u>7001120</u>	<u>Consulting Services</u>	<u>120,849</u>
<u>7001400</u>	<u>Safety and Environmental</u>	<u>40,283</u>
<u>7330002</u>	<u>Rental Buildings (trailers)</u>	<u>14,387</u>
<u>7019310</u>	<u>Coring (sidewalls & analysis)</u>	<u>-</u>
<u>7011010</u>	<u>8% Contingency & Taxes</u>	<u>268,090</u>
		<u>-</u>
	TOTAL DRILLING - INTANGIBLE	\$2,697,256

TOTAL DRILLING COST \$3,619,220

COMPLETION - TANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
<u>7012580</u>	<u>Tubing</u>	<u>-</u>
<u>7012040</u>	<u>Tubing Accessories (nipple, wireline entry)</u>	<u>-</u>
<u>7012550</u>	<u>Wellhead Equip</u>	<u>15,000</u>
<u>7012560</u>	<u>Packers - Completion Equipment</u>	<u>-</u>
		<u>-</u>
	TOTAL COMPLETION - TANGIBLE	\$15,000

COMPLETION - INTANGIBLE

<u>7001270</u>	<u>Location and Access (dress location after rig move, set anchors)</u>	<u>12,539</u>
<u>7290002</u>	<u>Drilling Rig During Completion</u>	<u>-</u>
<u>7019140</u>	<u>Mud Fluids & Services</u>	<u>-</u>
<u>7019030</u>	<u>Coiled Tubing Services (3 runs)</u>	<u>197,042</u>
<u>7019240</u>	<u>Snubbing Services</u>	<u>-</u>
<u>7019270</u>	<u>Pulling/Swab Units</u>	<u>-</u>
<u>7016350</u>	<u>Fuel (from drlg)</u>	<u>-</u>
<u>7019010</u>	<u>Casing Crew and Services</u>	<u>-</u>
<u>7019020</u>	<u>Cement and Cementing Services</u>	<u>-</u>
<u>7019080</u>	<u>Well Testing Services (flow hand & equip)</u>	<u>484,571</u>
<u>7390002</u>	<u>Fracturing Services</u>	<u>5,155,178</u>
<u>7019330</u>	<u>Perforating</u>	<u>234,172</u>
<u>7019360</u>	<u>Wireline Services</u>	<u>-</u>
<u>7001460</u>	<u>Water Hauling & Disposal (frac fluids)</u>	<u>362,770</u>
<u>7016180</u>	<u>Freight - Truck (haul pipe; drlg & compl)</u>	<u>-</u>
<u>7290003</u>	<u>BOP Rental & Testing</u>	<u>-</u>
<u>7290003</u>	<u>Rental Tools and Equipment (incl drlg; lightplant,hydra-walk)</u>	<u>-</u>
<u>7290003</u>	<u>CT Downhole Rental Equipment (ie. Bit, BHA)</u>	<u>58,217</u>
<u>7290003</u>	<u>Contract Labor - general</u>	<u>-</u>
<u>7000030</u>	<u>Telecommunications Services</u>	<u>44,782</u>
<u>7001110</u>	<u>Safety and Environmental</u>	<u>-</u>
<u>7001400</u>	<u>Consulting Services</u>	<u>117,778</u>
<u>7001120</u>	<u>Zipper Manifold</u>	<u>176,235</u>
<u>7019300</u>	<u>Frac Stack Rentals</u>	<u>152,260</u>
<u>7016180</u>	<u>Freight (Transportation Services)</u>	<u>8,598</u>
<u>7260001</u>	<u>Equipment Rental (w/o operator, frac tanks, lightplants)</u>	<u>227,785</u>
<u>7330002</u>	<u>Rental Buildings (trailers)</u>	<u>-</u>
<u>7000030</u>	<u>Contract Labor - Pumping (pump-down pumps)</u>	<u>44,782</u>
<u>7011010</u>	<u>8% Contingency & Taxes</u>	<u>-</u>
		<u>-</u>
	TOTAL COMPLETION - INTANGIBLE	\$7,276,709

TOTAL COMPLETION COST \$7,291,709

SURFACE EQUIPMENT - TANGIBLE

7012350	Misc. Piping, Fittings & Valves	130,155
7006640	Company Labor & Burden	-
7000030	Contract Labor - General	141,355
7001110	Telecommunication equip (Telemetry)	-
7012410	Line Pipe & Accessories	37,680
7012270	Miscellaneous Materials (containment system)	39,249
7008060	SCADA	12,417
7016180	Freight - truck	12,981
7001190	Contract Engineering	8,041
7012290	Metering and Instrumentation	220,258
7012290	I&E Materials	129,197
7012200	Gas Treating	-
7012200	Dehydration	-
7012010	Compressor	14,948
7012350	Power	-
7012610	Vapor Recovery Unit	-
7012440	Separator & other pressure vessels	208,842
7012500	Tanks	36,761
7012100	Heater Treater	108,649
7012640	Flare & Accessories	15,782
7000010	Electrical Labor	71,389
7000010	Mechanical Labor	154,377
7012480	Rod Pumping unit & Pad	-
7012180	Pumping Unit Engine	-
7012350	Electrical Power (electrical cooperative construction costs)	28,919
TOTAL SURFACE EQUIPMENT - TANGIBLE		\$1,371,000

TOTAL SURFACE EQUIPMENT COST \$ 1,371,000

ARTIFICIAL LIFT

7000030	Contract Labor	5,071
7001120	Consultant	4,056
7008230	Time Writing/Overhead	5,071
7012180	Artificial Lift Equipment	265,699
7012350	Materials & Supplies	2,028
7012550	Production Tree	5,071
7012580	Tubing	106,482
7016190	Freight	5,071
7018150	Rentals	6,085
7019130	Kill Fluid	2,028
7019220	Well Services & Rig	24,339
TOTAL ARTIFICIAL LIFT		431,000

TOTAL ARTIFICIAL LIFT COST \$ 431,000

SUMMARY OF ESTIMATED DRILLING WELL COSTS		TOTAL COST
TOTAL LOCATION COST		\$ 275,000
TOTAL DRILLING COST		\$ 3,619,220
TOTAL COMPLETIONS COST		\$ 7,291,709
TOTAL SURFACE EQUIPMENT COST		\$ 1,371,000
TOTAL ARTIFICIAL LIFT COST		\$ 431,000
GRAND TOTAL COST		\$12,987,929

MARATHON OIL PERMIAN LLC
 AUTHORITY FOR EXPENDITURE
 DETAIL OF ESTIMATED WELL COSTS

DATE 3/15/2023

Asset Team PERMIAN
 Field Purple Sage/Wolfcamp
 Lease/Facility Decimus Fed Com 703H

EXTRA EXPENSE INSURANCE

- I elect to be covered by Operator's Extra Expense Insurance and pay my proportionate share of the premium.
Operator has secured Extra Expense Insurance covering costs of well control, clean up and redrilling as estimated in Line Item 0180-0185.
- I elect to purchase my own well control insurance policy.

If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well control insurance.

Company / Owner: _____ Date: _____

Signature: _____

Joint Owner Name: _____

Joint Owner Title: _____

MARATHON OIL PERMIAN LLC
 AUTHORITY FOR EXPENDITURE
 DETAIL OF ESTIMATED WELL COSTS

DATE 3/15/2023
 DRILLING & LOCATION PREPARED BY COURT NELSON
 COMPLETION PREPARED BY KRISTEN DRAIN
 FACILITIES PREPARED BY HARSHA DISSANAYAKE
 ARTIFICIAL LIFT PREPARED BY CRAIG PLANTE

Asset Team	<u>PERMIAN</u>		
Field	<u>Purple Sage/Wolfcamp</u>	<u>WILDCAT</u>	<u>EXPLORATION</u>
Lease/Facility	<u>Decimus Fed Com 704H</u>	<u>DEVELOPMENT</u>	<u>RECOMPLETION</u>
Location	<u>NE/4 of Section 8-23S-28E</u>	<u>X</u> <u>EXPLOITATION</u>	<u>WORKOVER</u>
Prospect	<u>Malaga</u>		
Est Total Depth	<u>19,730</u>	Est Drilling Days <u>21.25</u>	Est Completion Days <u>11</u>

LOCATION COST - INTANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
<u>7001270</u>	<u>Location and Access</u>	<u>165,000</u>
<u>7001250</u>	<u>Land Broker Fees and Services</u>	<u>110,000</u>
		<u>0</u>
	TOTAL LOCATION COST - INTANGIBLE	\$275,000

DRILLING COST - TANGIBLE

<u>7001270</u>	<u>Conductor Pipe</u>	<u>30,288</u>
<u>7012050</u>	<u>Surface Casing</u>	<u>31,499</u>
<u>7012050</u>	<u>Intermediate Casing 1</u>	<u>128,421</u>
<u>7012050</u>	<u>Intermediate Casing 2</u>	<u>-</u>
<u>7012050</u>	<u>Production Casing</u>	<u>629,988</u>
<u>7012050</u>	<u>Drig Liner Hanger, Tieback Eq & Csg Accessories</u>	<u>-</u>
<u>7012550</u>	<u>Drilling Wellhead Equipment</u>	<u>29,076</u>
<u>7012040</u>	<u>Casing & Tubing Access</u>	<u>66,633</u>
<u>7290003</u>	<u>Miscellaneous MRO Materials</u>	<u>6,058</u>
		<u>-</u>
	TOTAL DRILLING - TANGIBLE	\$921,964

DRILLING COST - INTANGIBLE

<u>7290002</u>	<u>Drilling Rig Mob/Demob</u>	<u>121,152</u>
<u>7290002</u>	<u>Drilling Rig - day work/footage</u>	<u>690,564</u>
<u>7019040</u>	<u>Directional Drilling Services</u>	<u>196,993</u>
<u>7019020</u>	<u>Cement and Cementing Servio Surface</u>	<u>18,173</u>
<u>7019020</u>	<u>Cement and Cementing Servio Intermediate 1</u>	<u>30,288</u>
<u>7019020</u>	<u>Cement and Cementing Servio Intermediate 2</u>	<u>-</u>
<u>7019020</u>	<u>Cement and Cementing Servio Production</u>	<u>181,727</u>
<u>7019140</u>	<u>Mud Fluids & Services</u>	<u>80,263</u>
<u>7012310</u>	<u>Solids Control equipment</u>	<u>51,792</u>
<u>7012020</u>	<u>Bits</u>	<u>145,382</u>
<u>7019010</u>	<u>Casing Crew and Services</u>	<u>48,461</u>
<u>7016350</u>	<u>Fuel (Rig)</u>	<u>89,198</u>
<u>7019140</u>	<u>Fuel (Mud)</u>	<u>36,345</u>
<u>7001460</u>	<u>Water (non potable)</u>	<u>30,288</u>
<u>7012350</u>	<u>Water (potable)</u>	<u>6,058</u>
<u>7019000</u>	<u>Well Logging Services</u>	<u>-</u>
<u>7019150</u>	<u>Mud Logging+geosteering</u>	<u>16,764</u>
<u>7019250</u>	<u>Stabilizers, Hole Openers, Underreamers (DH rentals)</u>	<u>42,403</u>
<u>7019110</u>	<u>Casing inspection/cleaning</u>	<u>18,173</u>
<u>7019110</u>	<u>Drill pipe/collar inspection services</u>	<u>12,115</u>
<u>7016180</u>	<u>Freight - truck</u>	<u>30,288</u>
<u>7001460</u>	<u>Water hauling and disposal (includes soil farming)</u>	<u>72,691</u>
<u>7001160</u>	<u>Contract Services - Disposal/Non-Hazardous Waste</u>	<u>96,921</u>
<u>7001440</u>	<u>Vacuum Trucks</u>	<u>12,115</u>
<u>7000030</u>	<u>Contract Labor - general</u>	<u>36,345</u>
<u>7000010</u>	<u>Contract Labor - Operations</u>	<u>3,635</u>
<u>7001200</u>	<u>Contract Services - Facilities</u>	<u>12,115</u>
<u>7019300</u>	<u>Well Services - Well Control Services</u>	<u>25,745</u>
<u>7019350</u>	<u>Well Services - Well/Wellhead Services</u>	<u>12,115</u>
<u>7290003</u>	<u>Rental Tools and Equipment (surface rentals)</u>	<u>14,387</u>
<u>7260001</u>	<u>Rig Equipment and Misc.</u>	<u>115,094</u>
<u>7001110</u>	<u>Telecommunications Services</u>	<u>6,058</u>
<u>7001120</u>	<u>Consulting Services</u>	<u>120,849</u>
<u>7001400</u>	<u>Safety and Environmental</u>	<u>40,283</u>
<u>7330002</u>	<u>Rental Buildings (trailers)</u>	<u>14,387</u>
<u>7019310</u>	<u>Coring (sidewalls & analysis)</u>	<u>-</u>
<u>7011010</u>	<u>8% Contingency & Taxes</u>	<u>268,090</u>
		<u>-</u>
	TOTAL DRILLING - INTANGIBLE	\$2,697,256

TOTAL DRILLING COST

\$3,619,220

COMPLETION - TANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
<u>7012580</u>	<u>Tubing</u>	<u>-</u>
<u>7012040</u>	<u>Tubing Accessories (nipple, wireline entry)</u>	<u>-</u>
<u>7012550</u>	<u>Wellhead Equip</u>	<u>15,000</u>
<u>7012560</u>	<u>Packers - Completion Equipment</u>	<u>-</u>
		<u>-</u>
	TOTAL COMPLETION - TANGIBLE	\$15,000

COMPLETION - INTANGIBLE

<u>7001270</u>	<u>Location and Access (dress location after rig move, set anchors)</u>	<u>12,539</u>
<u>7290002</u>	<u>Drilling Rig During Completion</u>	<u>-</u>
<u>7019140</u>	<u>Mud Fluids & Services</u>	<u>-</u>
<u>7019030</u>	<u>Coiled Tubing Services (3 runs)</u>	<u>197,042</u>
<u>7019240</u>	<u>Snubbing Services</u>	<u>-</u>
<u>7019270</u>	<u>Pulling/Swab Units</u>	<u>-</u>
<u>7016350</u>	<u>Fuel (from drlg)</u>	<u>-</u>
<u>7019010</u>	<u>Casing Crew and Services</u>	<u>-</u>
<u>7019020</u>	<u>Cement and Cementing Services</u>	<u>-</u>
<u>7019080</u>	<u>Well Testing Services (flow hand & equip)</u>	<u>484,571</u>
<u>7390002</u>	<u>Fracturing Services</u>	<u>5,155,178</u>
<u>7019330</u>	<u>Perforating</u>	<u>234,172</u>
<u>7019360</u>	<u>Wireline Services</u>	<u>-</u>
<u>7001460</u>	<u>Water Hauling & Disposal (frac fluids)</u>	<u>362,770</u>
<u>7016180</u>	<u>Freight - Truck (haul pipe; drlg & compl)</u>	<u>-</u>
<u>7290003</u>	<u>BOP Rental & Testing</u>	<u>-</u>
<u>7290003</u>	<u>Rental Tools and Equipment (incl drlg; lightplant,hydra-walk)</u>	<u>-</u>
<u>7290003</u>	<u>CT Downhole Rental Equipment (ie. Bit, BHA)</u>	<u>58,217</u>
<u>7290003</u>	<u>Contract Labor - general</u>	<u>-</u>
<u>7000030</u>	<u>Telecommunications Services</u>	<u>44,782</u>
<u>7001110</u>	<u>Safety and Environmental</u>	<u>-</u>
<u>7001400</u>	<u>Consulting Services</u>	<u>117,778</u>
<u>7001120</u>	<u>Zipper Manifold</u>	<u>176,235</u>
<u>7019300</u>	<u>Frac Stack Rentals</u>	<u>152,260</u>
<u>7016180</u>	<u>Freight (Transportation Services)</u>	<u>8,598</u>
<u>7260001</u>	<u>Equipment Rental (w/o operator, frac tanks, lightplants)</u>	<u>227,785</u>
<u>7330002</u>	<u>Rental Buildings (trailers)</u>	<u>-</u>
<u>7000030</u>	<u>Contract Labor - Pumping (pump-down pumps)</u>	<u>44,782</u>
<u>7011010</u>	<u>8% Contingency & Taxes</u>	<u>-</u>
		<u>-</u>
	TOTAL COMPLETION - INTANGIBLE	\$7,276,709

TOTAL COMPLETION COST

\$7,291,709

SURFACE EQUIPMENT - TANGIBLE

7012350	Misc. Piping, Fittings & Valves	130,155
7006640	Company Labor & Burden	-
7000030	Contract Labor - General	141,355
7001110	Telecommunication equip (Telemetry)	-
7012410	Line Pipe & Accessories	37,680
7012270	Miscellaneous Materials (containment system)	39,249
7008060	SCADA	12,417
7016180	Freight - truck	12,981
7001190	Contract Engineering	8,041
7012290	Metering and Instrumentation	220,258
7012290	I&E Materials	129,197
7012200	Gas Treating	-
7012200	Dehydration	-
7012010	Compressor	14,948
7012350	Power	-
7012610	Vapor Recovery Unit	-
7012440	Separator & other pressure vessels	208,842
7012500	Tanks	36,761
7012100	Heater Treater	108,649
7012640	Flare & Accessories	15,782
7000010	Electrical Labor	71,389
7000010	Mechanical Labor	154,377
7012480	Rod Pumping unit & Pad	-
7012180	Pumping Unit Engine	-
7012350	Electrical Power (electrical cooperative construction costs)	28,919
TOTAL SURFACE EQUIPMENT - TANGIBLE		\$1,371,000

TOTAL SURFACE EQUIPMENT COST \$ 1,371,000

ARTIFICIAL LIFT

7000030	Contract Labor	5,071
7001120	Consultant	4,056
7008230	Time Writing/Overhead	5,071
7012180	Artificial Lift Equipment	265,699
7012350	Materials & Supplies	2,028
7012550	Production Tree	5,071
7012580	Tubing	106,482
7016190	Freight	5,071
7018150	Rentals	6,085
7019130	Kill Fluid	2,028
7019220	Well Services & Rig	24,339
TOTAL ARTIFICIAL LIFT		431,000

TOTAL ARTIFICIAL LIFT COST \$ 431,000

SUMMARY OF ESTIMATED DRILLING WELL COSTS		TOTAL COST
TOTAL LOCATION COST		\$ 275,000
TOTAL DRILLING COST		\$ 3,619,220
TOTAL COMPLETIONS COST		\$ 7,291,709
TOTAL SURFACE EQUIPMENT COST		\$ 1,371,000
TOTAL ARTIFICIAL LIFT COST		\$ 431,000
GRAND TOTAL COST		\$12,987,929

MARATHON OIL PERMIAN LLC
 AUTHORITY FOR EXPENDITURE
 DETAIL OF ESTIMATED WELL COSTS

DATE 3/15/2023

Asset Team PERMIAN
 Field Purple Sage/Wolfcamp
 Lease/Facility Decimus Fed Com 704H

EXTRA EXPENSE INSURANCE

- I elect to be covered by Operator's Extra Expense Insurance and pay my proportionate share of the premium.
Operator has secured Extra Expense Insurance covering costs of well control, clean up and redrilling as estimated in Line Item 0180-0185.
- I elect to purchase my own well control insurance policy.

If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well control insurance.

Company / Owner: _____ Date: _____

Signature: _____

Joint Owner Name: _____

Joint Owner Title: _____

MARATHON OIL PERMIAN LLC
 AUTHORITY FOR EXPENDITURE
 DETAIL OF ESTIMATED WELL COSTS

DATE 3/15/2023
 DRILLING & LOCATION PREPARED BY COURT NELSON
 COMPLETION PREPARED BY KRISTEN DRAIN
 FACILITIES PREPARED BY HARSHA DISSANAYAKE
 ARTIFICIAL LIFT PREPARED BY CRAIG PLANTE

Asset Team	<u>PERMIAN</u>		
Field	<u>Purple Sage/Wolfcamp</u>	<u>WILDCAT</u>	<u>EXPLORATION</u>
Lease/Facility	<u>Decimus Fed Com 801H</u>	<u>DEVELOPMENT</u>	<u>RECOMPLETION</u>
Location	<u>SW/4 of Section 6-23S-28E</u>	<u>X</u> <u>EXPLOITATION</u>	<u>WORKOVER</u>
Prospect	<u>Malaga</u>		
Est Total Depth	<u>20,260</u>	Est Drilling Days <u>24.5</u>	Est Completion Days <u>11</u>

LOCATION COST - INTANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
<u>7001270</u>	<u>Location and Access</u>	<u>165,000</u>
<u>7001250</u>	<u>Land Broker Fees and Services</u>	<u>110,000</u>
		<u>0</u>
TOTAL LOCATION COST - INTANGIBLE		<u>\$275,000</u>

DRILLING COST - TANGIBLE

<u>7001270</u>	<u>Conductor Pipe</u>	<u>36,698</u>
<u>7012050</u>	<u>Surface Casing</u>	<u>24,955</u>
<u>7012050</u>	<u>Intermediate Casing 1</u>	<u>76,333</u>
<u>7012050</u>	<u>Intermediate Casing 2</u>	<u>314,138</u>
<u>7012050</u>	<u>Production Casing</u>	<u>549,008</u>
<u>7012050</u>	<u>Drig Liner Hanger, Tieback Eq & Csg Accessories</u>	<u>36,698</u>
<u>7012550</u>	<u>Drilling Wellhead Equipment</u>	<u>35,230</u>
<u>7012040</u>	<u>Casing & Tubing Access</u>	<u>95,416</u>
<u>7290003</u>	<u>Miscellaneous MRO Materials</u>	<u>7,340</u>
		<u>-</u>
TOTAL DRILLING - TANGIBLE		<u>\$1,175,816</u>

DRILLING COST - INTANGIBLE

<u>7290002</u>	<u>Drilling Rig Mob/Demob</u>	<u>95,416</u>
<u>7290002</u>	<u>Drilling Rig - day work/footage</u>	<u>792,685</u>
<u>7019040</u>	<u>Directional Drilling Services</u>	<u>276,853</u>
<u>7019020</u>	<u>Cement and Cementing Serv. Surface</u>	<u>22,019</u>
<u>7019020</u>	<u>Cement and Cementing Serv. Intermediate 1</u>	<u>36,698</u>
<u>7019020</u>	<u>Cement and Cementing Serv. Intermediate 2</u>	<u>66,057</u>
<u>7019020</u>	<u>Cement and Cementing Serv. Production</u>	<u>124,774</u>
<u>7019140</u>	<u>Mud Fluids & Services</u>	<u>102,021</u>
<u>7012310</u>	<u>Solids Control equipment</u>	<u>71,342</u>
<u>7012020</u>	<u>Bits</u>	<u>198,171</u>
<u>7019010</u>	<u>Casing Crew and Services</u>	<u>73,397</u>
<u>7016350</u>	<u>Fuel (Rig)</u>	<u>122,866</u>
<u>7019140</u>	<u>Fuel (Mud)</u>	<u>44,038</u>
<u>7001460</u>	<u>Water (non potable)</u>	<u>36,698</u>
<u>7012350</u>	<u>Water (potable)</u>	<u>7,340</u>
<u>7019000</u>	<u>Well Logging Services</u>	<u>-</u>
<u>7019150</u>	<u>Mud Logging+geosteering</u>	<u>23,891</u>
<u>7019250</u>	<u>Stabilizers, Hole Openers, Underreamers (DH rentals)</u>	<u>51,378</u>
<u>7019110</u>	<u>Casing inspection/cleaning</u>	<u>22,019</u>
<u>7019110</u>	<u>Drill pipe/collar inspection services</u>	<u>14,679</u>
<u>7016180</u>	<u>Freight - truck</u>	<u>36,698</u>
<u>7001460</u>	<u>Water hauling and disposal (includes soil farming)</u>	<u>88,076</u>
<u>7001160</u>	<u>Contract Services - Disposal/Non-Hazardous Waste</u>	<u>117,435</u>
<u>7001440</u>	<u>Vacuum Trucks</u>	<u>14,679</u>
<u>7000030</u>	<u>Contract Labor - general</u>	<u>44,038</u>
<u>7000010</u>	<u>Contract Labor - Operations</u>	<u>4,404</u>
<u>7001200</u>	<u>Contract Services - Facilities</u>	<u>14,679</u>
<u>7019300</u>	<u>Well Services - Well Control Services</u>	<u>33,579</u>
<u>7019350</u>	<u>Well Services - Well/Wellhead Services</u>	<u>14,679</u>
<u>7290003</u>	<u>Rental Tools and Equipment (surface rentals)</u>	<u>19,817</u>
<u>7260001</u>	<u>Rig Equipment and Misc.</u>	<u>158,537</u>
<u>7001110</u>	<u>Telecommunications Services</u>	<u>7,340</u>
<u>7001120</u>	<u>Consulting Services</u>	<u>166,464</u>
<u>7001400</u>	<u>Safety and Environmental</u>	<u>55,488</u>
<u>7330002</u>	<u>Rental Buildings (trailers)</u>	<u>19,817</u>
<u>7019310</u>	<u>Coring (sidewalls & analysis)</u>	<u>-</u>
<u>7011010</u>	<u>8% Contingency & Taxes</u>	<u>332,311</u>
		<u>-</u>
TOTAL DRILLING - INTANGIBLE		<u>\$3,310,384</u>

TOTAL DRILLING COST

\$4,486,200

COMPLETION - TANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
<u>7012580</u>	<u>Tubing</u>	<u>-</u>
<u>7012040</u>	<u>Tubing Accessories (nipple, wireline entry)</u>	<u>-</u>
<u>7012550</u>	<u>Wellhead Equip</u>	<u>15,000</u>
<u>7012560</u>	<u>Packers - Completion Equipment</u>	<u>-</u>
		<u>-</u>
TOTAL COMPLETION - TANGIBLE		<u>\$15,000</u>

COMPLETION - INTANGIBLE

<u>7001270</u>	<u>Location and Access (dress location after rig move, set anchors)</u>	<u>12,539</u>
<u>7290002</u>	<u>Drilling Rig During Completion</u>	<u>-</u>
<u>7019140</u>	<u>Mud Fluids & Services</u>	<u>-</u>
<u>7019030</u>	<u>Coiled Tubing Services (3 runs)</u>	<u>197,042</u>
<u>7019240</u>	<u>Snubbing Services</u>	<u>-</u>
<u>7019270</u>	<u>Pulling/Swab Units</u>	<u>-</u>
<u>7016350</u>	<u>Fuel (from drlg)</u>	<u>-</u>
<u>7019010</u>	<u>Casing Crew and Services</u>	<u>-</u>
<u>7019020</u>	<u>Cement and Cementing Services</u>	<u>-</u>
<u>7019080</u>	<u>Well Testing Services (flow hand & equip)</u>	<u>414,968</u>
<u>7390002</u>	<u>Fracturing Services</u>	<u>5,155,178</u>
<u>7019330</u>	<u>Perforating</u>	<u>234,172</u>
<u>7019360</u>	<u>Wireline Services</u>	<u>-</u>
<u>7001460</u>	<u>Water Hauling & Disposal (frac fluids)</u>	<u>310,937</u>
<u>7016180</u>	<u>Freight - Truck (haul pipe; drlg & compl)</u>	<u>-</u>
<u>7290003</u>	<u>BOP Rental & Testing</u>	<u>-</u>
<u>7290003</u>	<u>Rental Tools and Equipment (incl drlg; lightplant,hydra-walk)</u>	<u>-</u>
<u>7290003</u>	<u>CT Downhole Rental Equipment (ie. Bit, BHA)</u>	<u>58,217</u>
<u>7290003</u>	<u>Contract Labor - general</u>	<u>-</u>
<u>7000030</u>	<u>Telecommunications Services</u>	<u>44,782</u>
<u>7001110</u>	<u>Safety and Environmental</u>	<u>-</u>
<u>7001400</u>	<u>Consulting Services</u>	<u>117,778</u>
<u>7001120</u>	<u>Zipper Manifold</u>	<u>176,235</u>
<u>7019300</u>	<u>Frac Stack Rentals</u>	<u>152,260</u>
<u>7016180</u>	<u>Freight (Transportation Services)</u>	<u>8,598</u>
<u>7260001</u>	<u>Equipment Rental (w/o operator, frac tanks, lightplants)</u>	<u>227,785</u>
<u>7330002</u>	<u>Rental Buildings (trailers)</u>	<u>-</u>
<u>7000030</u>	<u>Contract Labor - Pumping (pump-down pumps)</u>	<u>44,782</u>
<u>7011010</u>	<u>8% Contingency & Taxes</u>	<u>-</u>
		<u>-</u>
TOTAL COMPLETION - INTANGIBLE		<u>\$7,155,274</u>

TOTAL COMPLETION COST

\$7,170,274

SURFACE EQUIPMENT - TANGIBLE

7012350	Misc. Piping, Fittings & Valves	130,155
7006640	Company Labor & Burden	-
7000030	Contract Labor - General	141,355
7001110	Telecommunication equip (Telemetry)	-
7012410	Line Pipe & Accessories	37,680
7012270	Miscellaneous Materials (containment system)	39,249
7008060	SCADA	12,417
7016180	Freight - truck	12,981
7001190	Contract Engineering	8,041
7012290	Metering and Instrumentation	220,258
7012290	I&E Materials	129,197
7012200	Gas Treating	-
7012200	Dehydration	-
7012010	Compressor	14,948
7012350	Power	-
7012610	Vapor Recovery Unit	-
7012440	Separator & other pressure vessels	208,842
7012500	Tanks	36,761
7012100	Heater Treater	108,649
7012640	Flare & Accessories	15,782
7000010	Electrical Labor	71,389
7000010	Mechanical Labor	154,377
7012480	Rod Pumping unit & Pad	-
7012180	Pumping Unit Engine	-
7012350	Electrical Power (electrical cooperative construction costs)	28,919
TOTAL SURFACE EQUIPMENT - TANGIBLE		\$1,371,000

TOTAL SURFACE EQUIPMENT COST \$ 1,371,000

ARTIFICIAL LIFT

7000030	Contract Labor	5,071
7001120	Consultant	4,056
7008230	Time Writing/Overhead	5,071
7012180	Artificial Lift Equipment	265,699
7012350	Materials & Supplies	2,028
7012550	Production Tree	5,071
7012580	Tubing	106,482
7016190	Freight	5,071
7018150	Rentals	6,085
7019130	Kill Fluid	2,028
7019220	Well Services & Rig	24,339
TOTAL ARTIFICIAL LIFT		431,000

TOTAL ARTIFICIAL LIFT COST \$ 431,000

SUMMARY OF ESTIMATED DRILLING WELL COSTS		TOTAL COST
TOTAL LOCATION COST		\$ 275,000
TOTAL DRILLING COST		\$ 4,486,200
TOTAL COMPLETIONS COST		\$ 7,170,274
TOTAL SURFACE EQUIPMENT COST		\$ 1,371,000
TOTAL ARTIFICIAL LIFT COST		\$ 431,000
GRAND TOTAL COST		\$13,733,474

MARATHON OIL PERMIAN LLC
 AUTHORITY FOR EXPENDITURE
 DETAIL OF ESTIMATED WELL COSTS

DATE 3/15/2023

Asset Team PERMIAN
 Field Purple Sage/Wolfcamp
 Lease/Facility Decimus Fed Com 801H

EXTRA EXPENSE INSURANCE

- I elect to be covered by Operator's Extra Expense Insurance and pay my proportionate share of the premium.
Operator has secured Extra Expense Insurance covering costs of well control, clean up and redrilling as estimated in Line Item 0180-0185.
- I elect to purchase my own well control insurance policy.

If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well control insurance.

Company / Owner: _____ Date: _____

Signature: _____

Joint Owner Name: _____

Joint Owner Title: _____

MARATHON OIL PERMIAN LLC
 AUTHORITY FOR EXPENDITURE
 DETAIL OF ESTIMATED WELL COSTS

DATE 3/15/2023
 DRILLING & LOCATION PREPARED BY COURT NELSON
 COMPLETION PREPARED BY KRISTEN DRAIN
 FACILITIES PREPARED BY HARSHA DISSANAYAKE
 ARTIFICIAL LIFT PREPARED BY CRAIG PLANTE

Asset Team	<u>PERMIAN</u>		
Field	<u>Purple Sage/Wolfcamp</u>	<u>WILDCAT</u>	<u>EXPLORATION</u>
Lease/Facility	<u>Decimus Fed Com 802H</u>	<u>DEVELOPMENT</u>	<u>RECOMPLETION</u>
Location	<u>SW/4 of Section 6-23S-28E</u>	<u>X</u> <u>EXPLOITATION</u>	<u>WORKOVER</u>
Prospect	<u>Malaga</u>		
Est Total Depth	<u>20,260</u>	Est Drilling Days <u>24.5</u>	Est Completion Days <u>11</u>

LOCATION COST - INTANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
<u>7001270</u>	<u>Location and Access</u>	<u>165,000</u>
<u>7001250</u>	<u>Land Broker Fees and Services</u>	<u>110,000</u>
		<u>0</u>
	TOTAL LOCATION COST - INTANGIBLE	\$275,000

DRILLING COST - TANGIBLE

<u>7001270</u>	<u>Conductor Pipe</u>	<u>36,698</u>
<u>7012050</u>	<u>Surface Casing</u>	<u>24,955</u>
<u>7012050</u>	<u>Intermediate Casing 1</u>	<u>76,333</u>
<u>7012050</u>	<u>Intermediate Casing 2</u>	<u>314,138</u>
<u>7012050</u>	<u>Production Casing</u>	<u>549,008</u>
<u>7012050</u>	<u>Drig Liner Hanger, Tieback Eq & Csg Accessories</u>	<u>36,698</u>
<u>7012550</u>	<u>Drilling Wellhead Equipment</u>	<u>35,230</u>
<u>7012040</u>	<u>Casing & Tubing Access</u>	<u>95,416</u>
<u>7290003</u>	<u>Miscellaneous MRO Materials</u>	<u>7,340</u>
		<u>-</u>
	TOTAL DRILLING - TANGIBLE	\$1,175,816

DRILLING COST - INTANGIBLE

<u>7290002</u>	<u>Drilling Rig Mob/Demob</u>	<u>95,416</u>
<u>7290002</u>	<u>Drilling Rig - day work/footage</u>	<u>792,685</u>
<u>7019040</u>	<u>Directional Drilling Services</u>	<u>276,853</u>
<u>7019020</u>	<u>Cement and Cementing Serv. Surface</u>	<u>22,019</u>
<u>7019020</u>	<u>Cement and Cementing Serv. Intermediate 1</u>	<u>36,698</u>
<u>7019020</u>	<u>Cement and Cementing Serv. Intermediate 2</u>	<u>66,057</u>
<u>7019020</u>	<u>Cement and Cementing Serv. Production</u>	<u>124,774</u>
<u>7019140</u>	<u>Mud Fluids & Services</u>	<u>102,021</u>
<u>7012310</u>	<u>Solids Control equipment</u>	<u>71,342</u>
<u>7012020</u>	<u>Bits</u>	<u>198,171</u>
<u>7019010</u>	<u>Casing Crew and Services</u>	<u>73,397</u>
<u>7016350</u>	<u>Fuel (Rig)</u>	<u>122,866</u>
<u>7019140</u>	<u>Fuel (Mud)</u>	<u>44,038</u>
<u>7001460</u>	<u>Water (non potable)</u>	<u>36,698</u>
<u>7012350</u>	<u>Water (potable)</u>	<u>7,340</u>
<u>7019000</u>	<u>Well Logging Services</u>	<u>-</u>
<u>7019150</u>	<u>Mud Logging+geosteering</u>	<u>23,891</u>
<u>7019250</u>	<u>Stabilizers, Hole Openers, Underreamers (DH rentals)</u>	<u>51,378</u>
<u>7019110</u>	<u>Casing inspection/cleaning</u>	<u>22,019</u>
<u>7019110</u>	<u>Drill pipe/collar inspection services</u>	<u>14,679</u>
<u>7016180</u>	<u>Freight - truck</u>	<u>36,698</u>
<u>7001460</u>	<u>Water hauling and disposal (includes soil farming)</u>	<u>88,076</u>
<u>7001160</u>	<u>Contract Services - Disposal/Non-Hazardous Waste</u>	<u>117,435</u>
<u>7001440</u>	<u>Vacuum Trucks</u>	<u>14,679</u>
<u>7000030</u>	<u>Contract Labor - general</u>	<u>44,038</u>
<u>7000010</u>	<u>Contract Labor - Operations</u>	<u>4,404</u>
<u>7001200</u>	<u>Contract Services - Facilities</u>	<u>14,679</u>
<u>7019300</u>	<u>Well Services - Well Control Services</u>	<u>33,579</u>
<u>7019350</u>	<u>Well Services - Well/Wellhead Services</u>	<u>14,679</u>
<u>7290003</u>	<u>Rental Tools and Equipment (surface rentals)</u>	<u>19,817</u>
<u>7260001</u>	<u>Rig Equipment and Misc.</u>	<u>158,537</u>
<u>7001110</u>	<u>Telecommunications Services</u>	<u>7,340</u>
<u>7001120</u>	<u>Consulting Services</u>	<u>166,464</u>
<u>7001400</u>	<u>Safety and Environmental</u>	<u>55,488</u>
<u>7330002</u>	<u>Rental Buildings (trailers)</u>	<u>19,817</u>
<u>7019310</u>	<u>Coring (sidewalls & analysis)</u>	<u>-</u>
<u>7011010</u>	<u>8% Contingency & Taxes</u>	<u>332,311</u>
		<u>-</u>
	TOTAL DRILLING - INTANGIBLE	\$3,310,384

TOTAL DRILLING COST \$4,486,200

COMPLETION - TANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
<u>7012580</u>	<u>Tubing</u>	<u>-</u>
<u>7012040</u>	<u>Tubing Accessories (nipple, wireline entry)</u>	<u>-</u>
<u>7012550</u>	<u>Wellhead Equip</u>	<u>15,000</u>
<u>7012560</u>	<u>Packers - Completion Equipment</u>	<u>-</u>
		<u>-</u>
	TOTAL COMPLETION - TANGIBLE	\$15,000

COMPLETION - INTANGIBLE

<u>7001270</u>	<u>Location and Access (dress location after rig move, set anchors)</u>	<u>12,539</u>
<u>7290002</u>	<u>Drilling Rig During Completion</u>	<u>-</u>
<u>7019140</u>	<u>Mud Fluids & Services</u>	<u>-</u>
<u>7019030</u>	<u>Coiled Tubing Services (3 runs)</u>	<u>197,042</u>
<u>7019240</u>	<u>Snubbing Services</u>	<u>-</u>
<u>7019270</u>	<u>Pulling/Swab Units</u>	<u>-</u>
<u>7016350</u>	<u>Fuel (from drlg)</u>	<u>-</u>
<u>7019010</u>	<u>Casing Crew and Services</u>	<u>-</u>
<u>7019020</u>	<u>Cement and Cementing Services</u>	<u>-</u>
<u>7019080</u>	<u>Well Testing Services (flow hand & equip)</u>	<u>414,968</u>
<u>7390002</u>	<u>Fracturing Services</u>	<u>5,155,178</u>
<u>7019330</u>	<u>Perforating</u>	<u>234,172</u>
<u>7019360</u>	<u>Wireline Services</u>	<u>-</u>
<u>7001460</u>	<u>Water Hauling & Disposal (frac fluids)</u>	<u>310,937</u>
<u>7016180</u>	<u>Freight - Truck (haul pipe; drlg & compl)</u>	<u>-</u>
<u>7290003</u>	<u>BOP Rental & Testing</u>	<u>-</u>
<u>7290003</u>	<u>Rental Tools and Equipment (incl drlg; lightplant,hydra-walk)</u>	<u>-</u>
<u>7290003</u>	<u>CT Downhole Rental Equipment (ie. Bit, BHA)</u>	<u>58,217</u>
<u>7290003</u>	<u>Contract Labor - general</u>	<u>-</u>
<u>7000030</u>	<u>Telecommunications Services</u>	<u>44,782</u>
<u>7001110</u>	<u>Safety and Environmental</u>	<u>-</u>
<u>7001400</u>	<u>Consulting Services</u>	<u>117,778</u>
<u>7001120</u>	<u>Zipper Manifold</u>	<u>176,235</u>
<u>7019300</u>	<u>Frac Stack Rentals</u>	<u>152,260</u>
<u>7016180</u>	<u>Freight (Transportation Services)</u>	<u>8,598</u>
<u>7260001</u>	<u>Equipment Rental (w/o operator, frac tanks, lightplants)</u>	<u>227,785</u>
<u>7330002</u>	<u>Rental Buildings (trailers)</u>	<u>-</u>
<u>7000030</u>	<u>Contract Labor - Pumping (pump-down pumps)</u>	<u>44,782</u>
<u>7011010</u>	<u>8% Contingency & Taxes</u>	<u>-</u>
		<u>-</u>
	TOTAL COMPLETION - INTANGIBLE	\$7,155,274

TOTAL COMPLETION COST \$7,170,274

SURFACE EQUIPMENT - TANGIBLE

7012350	Misc. Piping, Fittings & Valves	130,155
7006640	Company Labor & Burden	-
7000030	Contract Labor - General	141,355
7001110	Telecommunication equip (Telemetry)	-
7012410	Line Pipe & Accessories	37,680
7012270	Miscellaneous Materials (containment system)	39,249
7008060	SCADA	12,417
7016180	Freight - truck	12,981
7001190	Contract Engineering	8,041
7012290	Metering and Instrumentation	220,258
7012290	I&E Materials	129,197
7012200	Gas Treating	-
7012200	Dehydration	-
7012010	Compressor	14,948
7012350	Power	-
7012610	Vapor Recovery Unit	-
7012440	Separator & other pressure vessels	208,842
7012500	Tanks	36,761
7012100	Heater Treater	108,649
7012640	Flare & Accessories	15,782
7000010	Electrical Labor	71,389
7000010	Mechanical Labor	154,377
7012480	Rod Pumping unit & Pad	-
7012180	Pumping Unit Engine	-
7012350	Electrical Power (electrical cooperative construction costs)	28,919
TOTAL SURFACE EQUIPMENT - TANGIBLE		\$1,371,000

TOTAL SURFACE EQUIPMENT COST \$ 1,371,000

ARTIFICIAL LIFT

7000030	Contract Labor	5,071
7001120	Consultant	4,056
7008230	Time Writing/Overhead	5,071
7012180	Artificial Lift Equipment	265,699
7012350	Materials & Supplies	2,028
7012550	Production Tree	5,071
7012580	Tubing	106,482
7016190	Freight	5,071
7018150	Rentals	6,085
7019130	Kill Fluid	2,028
7019220	Well Services & Rig	24,339
TOTAL ARTIFICIAL LIFT		431,000

TOTAL ARTIFICIAL LIFT COST \$ 431,000

SUMMARY OF ESTIMATED DRILLING WELL COSTS		TOTAL COST
TOTAL LOCATION COST		\$ 275,000
TOTAL DRILLING COST		\$ 4,486,200
TOTAL COMPLETIONS COST		\$ 7,170,274
TOTAL SURFACE EQUIPMENT COST		\$ 1,371,000
TOTAL ARTIFICIAL LIFT COST		\$ 431,000
GRAND TOTAL COST		\$13,733,474

MARATHON OIL PERMIAN LLC
 AUTHORITY FOR EXPENDITURE
 DETAIL OF ESTIMATED WELL COSTS

DATE 3/15/2023

Asset Team PERMIAN
 Field Purple Sage/Wolfcamp
 Lease/Facility Decimus Fed Com 802H

EXTRA EXPENSE INSURANCE

- I elect to be covered by Operator's Extra Expense Insurance and pay my proportionate share of the premium.
Operator has secured Extra Expense Insurance covering costs of well control, clean up and redrilling as estimated in Line Item 0180-0185.
- I elect to purchase my own well control insurance policy.

If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well control insurance.

Company / Owner: _____ Date: _____

Signature: _____

Joint Owner Name: _____

Joint Owner Title: _____

MARATHON OIL PERMIAN LLC
 AUTHORITY FOR EXPENDITURE
 DETAIL OF ESTIMATED WELL COSTS

DATE 3/15/2023
 DRILLING & LOCATION PREPARED BY COURT NELSON
 COMPLETION PREPARED BY KRISTEN DRAIN
 FACILITIES PREPARED BY HARSHA DISSANAYAKE
 ARTIFICIAL LIFT PREPARED BY CRAIG PLANTE

Asset Team	<u>PERMIAN</u>		
Field	<u>Purple Sage/Wolfcamp</u>	<u>WILDCAT</u>	<u>EXPLORATION</u>
Lease/Facility	<u>Decimus Fed Com 803H</u>	<u>DEVELOPMENT</u>	<u>RECOMPLETION</u>
Location	<u>NW/4 of Section 7-235-28E</u>	<u>X</u> <u>EXPLOITATION</u>	<u>WORKOVER</u>
Prospect	<u>Malaga</u>		
Est Total Depth	<u>20,260</u>	Est Drilling Days <u>24.5</u>	Est Completion Days <u>11</u>

LOCATION COST - INTANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
<u>7001270</u>	<u>Location and Access</u>	<u>165,000</u>
<u>7001250</u>	<u>Land Broker Fees and Services</u>	<u>110,000</u>
		<u>0</u>
	TOTAL LOCATION COST - INTANGIBLE	\$275,000

DRILLING COST - TANGIBLE

<u>7001270</u>	<u>Conductor Pipe</u>	<u>36,698</u>
<u>7012050</u>	<u>Surface Casing</u>	<u>24,955</u>
<u>7012050</u>	<u>Intermediate Casing 1</u>	<u>76,333</u>
<u>7012050</u>	<u>Intermediate Casing 2</u>	<u>314,138</u>
<u>7012050</u>	<u>Production Casing</u>	<u>549,008</u>
<u>7012050</u>	<u>Drig Liner Hanger, Tieback Eq & Csg Accessories</u>	<u>36,698</u>
<u>7012550</u>	<u>Drilling Wellhead Equipment</u>	<u>35,230</u>
<u>7012040</u>	<u>Casing & Tubing Access</u>	<u>95,416</u>
<u>7290003</u>	<u>Miscellaneous MRO Materials</u>	<u>7,340</u>
		<u>-</u>
	TOTAL DRILLING - TANGIBLE	\$1,175,816

DRILLING COST - INTANGIBLE

<u>7290002</u>	<u>Drilling Rig Mob/Demob</u>	<u>95,416</u>
<u>7290002</u>	<u>Drilling Rig - day work/footage</u>	<u>792,685</u>
<u>7019040</u>	<u>Directional Drilling Services</u>	<u>276,853</u>
<u>7019020</u>	<u>Cement and Cementing Servic. Surface</u>	<u>22,019</u>
<u>7019020</u>	<u>Cement and Cementing Servic. Intermediate 1</u>	<u>36,698</u>
<u>7019020</u>	<u>Cement and Cementing Servic. Intermediate 2</u>	<u>66,057</u>
<u>7019020</u>	<u>Cement and Cementing Servic. Production</u>	<u>124,774</u>
<u>7019140</u>	<u>Mud Fluids & Services</u>	<u>102,021</u>
<u>7012310</u>	<u>Solids Control equipment</u>	<u>71,342</u>
<u>7012020</u>	<u>Bits</u>	<u>198,171</u>
<u>7019010</u>	<u>Casing Crew and Services</u>	<u>73,397</u>
<u>7016350</u>	<u>Fuel (Rig)</u>	<u>122,866</u>
<u>7019140</u>	<u>Fuel (Mud)</u>	<u>44,038</u>
<u>7001460</u>	<u>Water (non potable)</u>	<u>36,698</u>
<u>7012350</u>	<u>Water (potable)</u>	<u>7,340</u>
<u>7019000</u>	<u>Well Logging Services</u>	<u>-</u>
<u>7019150</u>	<u>Mud Logging+geosteering</u>	<u>23,891</u>
<u>7019250</u>	<u>Stabilizers, Hole Openers, Underreamers (DH rentals)</u>	<u>51,378</u>
<u>7019110</u>	<u>Casing inspection/cleaning</u>	<u>22,019</u>
<u>7019110</u>	<u>Drill pipe/collar inspection services</u>	<u>14,679</u>
<u>7016180</u>	<u>Freight - truck</u>	<u>36,698</u>
<u>7001460</u>	<u>Water hauling and disposal (includes soil farming)</u>	<u>88,076</u>
<u>7001160</u>	<u>Contract Services - Disposal/Non-Hazardous Waste</u>	<u>117,435</u>
<u>7001440</u>	<u>Vacuum Trucks</u>	<u>14,679</u>
<u>7000030</u>	<u>Contract Labor - general</u>	<u>44,038</u>
<u>7000010</u>	<u>Contract Labor - Operations</u>	<u>4,404</u>
<u>7001200</u>	<u>Contract Services - Facilities</u>	<u>14,679</u>
<u>7019300</u>	<u>Well Services - Well Control Services</u>	<u>33,579</u>
<u>7019350</u>	<u>Well Services - Well/Wellhead Services</u>	<u>14,679</u>
<u>7290003</u>	<u>Rental Tools and Equipment (surface rentals)</u>	<u>19,817</u>
<u>7260001</u>	<u>Rig Equipment and Misc.</u>	<u>158,537</u>
<u>7001110</u>	<u>Telecommunications Services</u>	<u>7,340</u>
<u>7001120</u>	<u>Consulting Services</u>	<u>166,464</u>
<u>7001400</u>	<u>Safety and Environmental</u>	<u>55,488</u>
<u>7330002</u>	<u>Rental Buildings (trailers)</u>	<u>19,817</u>
<u>7019310</u>	<u>Coring (sidewalls & analysis)</u>	<u>-</u>
<u>7011010</u>	<u>8% Contingency & Taxes</u>	<u>332,311</u>
		<u>-</u>
	TOTAL DRILLING - INTANGIBLE	\$3,310,384

TOTAL DRILLING COST

\$4,486,200

COMPLETION - TANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
<u>7012580</u>	<u>Tubing</u>	<u>-</u>
<u>7012040</u>	<u>Tubing Accessories (nipple, wireline entry)</u>	<u>-</u>
<u>7012550</u>	<u>Wellhead Equip</u>	<u>15,000</u>
<u>7012560</u>	<u>Packers - Completion Equipment</u>	<u>-</u>
		<u>-</u>
	TOTAL COMPLETION - TANGIBLE	\$15,000

COMPLETION - INTANGIBLE

<u>7001270</u>	<u>Location and Access (dress location after rig move, set anchors)</u>	<u>12,539</u>
<u>7290002</u>	<u>Drilling Rig During Completion</u>	<u>-</u>
<u>7019140</u>	<u>Mud Fluids & Services</u>	<u>-</u>
<u>7019030</u>	<u>Coiled Tubing Services (3 runs)</u>	<u>197,042</u>
<u>7019240</u>	<u>Snubbing Services</u>	<u>-</u>
<u>7019270</u>	<u>Pulling/Swab Units</u>	<u>-</u>
<u>7016350</u>	<u>Fuel (from drlg)</u>	<u>-</u>
<u>7019010</u>	<u>Casing Crew and Services</u>	<u>-</u>
<u>7019020</u>	<u>Cement and Cementing Services</u>	<u>-</u>
<u>7019080</u>	<u>Well Testing Services (flow hand & equip)</u>	<u>414,968</u>
<u>7390002</u>	<u>Fracturing Services</u>	<u>5,155,178</u>
<u>7019330</u>	<u>Perforating</u>	<u>234,172</u>
<u>7019360</u>	<u>Wireline Services</u>	<u>-</u>
<u>7001460</u>	<u>Water Hauling & Disposal (frac fluids)</u>	<u>310,937</u>
<u>7016180</u>	<u>Freight - Truck (haul pipe; drlg & compl)</u>	<u>-</u>
<u>7290003</u>	<u>BOP Rental & Testing</u>	<u>-</u>
<u>7290003</u>	<u>Rental Tools and Equipment (incl drlg; lightplant,hydra-walk)</u>	<u>-</u>
<u>7290003</u>	<u>CT Downhole Rental Equipment (ie. Bit, BHA)</u>	<u>58,217</u>
<u>7290003</u>	<u>Contract Labor - general</u>	<u>-</u>
<u>7000030</u>	<u>Telecommunications Services</u>	<u>44,782</u>
<u>7001110</u>	<u>Safety and Environmental</u>	<u>-</u>
<u>7001400</u>	<u>Consulting Services</u>	<u>117,778</u>
<u>7001120</u>	<u>Zipper Manifold</u>	<u>176,235</u>
<u>7019300</u>	<u>Frac Stack Rentals</u>	<u>152,260</u>
<u>7016180</u>	<u>Freight (Transportation Services)</u>	<u>8,598</u>
<u>7260001</u>	<u>Equipment Rental (w/o operator, frac tanks, lightplants)</u>	<u>227,785</u>
<u>7330002</u>	<u>Rental Buildings (trailers)</u>	<u>-</u>
<u>7000030</u>	<u>Contract Labor - Pumping (pump-down pumps)</u>	<u>44,782</u>
<u>7011010</u>	<u>8% Contingency & Taxes</u>	<u>-</u>
		<u>-</u>
	TOTAL COMPLETION - INTANGIBLE	\$7,155,274

TOTAL COMPLETION COST

\$7,170,274

SURFACE EQUIPMENT - TANGIBLE

7012350	Misc. Piping, Fittings & Valves	130,155
7006640	Company Labor & Burden	-
7000030	Contract Labor - General	141,355
7001110	Telecommunication equip (Telemetry)	-
7012410	Line Pipe & Accessories	37,680
7012270	Miscellaneous Materials (containment system)	39,249
7008060	SCADA	12,417
7016180	Freight - truck	12,981
7001190	Contract Engineering	8,041
7012290	Metering and Instrumentation	220,258
7012290	I&E Materials	129,197
7012200	Gas Treating	-
7012200	Dehydration	-
7012010	Compressor	14,948
7012350	Power	-
7012610	Vapor Recovery Unit	-
7012440	Separator & other pressure vessels	208,842
7012500	Tanks	36,761
7012100	Heater Treater	108,649
7012640	Flare & Accessories	15,782
7000010	Electrical Labor	71,389
7000010	Mechanical Labor	154,377
7012480	Rod Pumping unit & Pad	-
7012180	Pumping Unit Engine	-
7012350	Electrical Power (electrical cooperative construction costs)	28,919
TOTAL SURFACE EQUIPMENT - TANGIBLE		\$1,371,000

TOTAL SURFACE EQUIPMENT COST \$ 1,371,000

ARTIFICIAL LIFT

7000030	Contract Labor	5,071
7001120	Consultant	4,056
7008230	Time Writing/Overhead	5,071
7012180	Artificial Lift Equipment	265,699
7012350	Materials & Supplies	2,028
7012550	Production Tree	5,071
7012580	Tubing	106,482
7016190	Freight	5,071
7018150	Rentals	6,085
7019130	Kill Fluid	2,028
7019220	Well Services & Rig	24,339
TOTAL ARTIFICIAL LIFT		431,000

TOTAL ARTIFICIAL LIFT COST \$ 431,000

SUMMARY OF ESTIMATED DRILLING WELL COSTS		TOTAL COST
TOTAL LOCATION COST		\$ 275,000
TOTAL DRILLING COST		\$ 4,486,200
TOTAL COMPLETIONS COST		\$ 7,170,274
TOTAL SURFACE EQUIPMENT COST		\$ 1,371,000
TOTAL ARTIFICIAL LIFT COST		\$ 431,000
GRAND TOTAL COST		\$13,733,474

MARATHON OIL PERMIAN LLC
 AUTHORITY FOR EXPENDITURE
 DETAIL OF ESTIMATED WELL COSTS

DATE 3/15/2023

Asset Team PERMIAN
 Field Purple Sage/Wolfcamp
 Lease/Facility Decimus Fed Com 803H

EXTRA EXPENSE INSURANCE

- I elect to be covered by Operator's Extra Expense Insurance and pay my proportionate share of the premium.
Operator has secured Extra Expense Insurance covering costs of well control, clean up and redrilling as estimated in Line Item 0180-0185.
- I elect to purchase my own well control insurance policy.

If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well control insurance.

Company / Owner: _____ Date: _____

Signature: _____

Joint Owner Name: _____

Joint Owner Title: _____

MARATHON OIL PERMIAN LLC
 AUTHORITY FOR EXPENDITURE
 DETAIL OF ESTIMATED WELL COSTS

DATE 3/15/2023
 DRILLING & LOCATION PREPARED BY COURT NELSON
 COMPLETION PREPARED BY KRISTEN DRAIN
 FACILITIES PREPARED BY HARSHA DISSANAYAKE
 ARTIFICIAL LIFT PREPARED BY CRAIG PLANTE

Asset Team	<u>PERMIAN</u>		
Field	<u>Purple Sage/Wolfcamp</u>	<u>WILDCAT</u>	<u>EXPLORATION</u>
Lease/Facility	<u>Decimus Fed Com 804H</u>	<u>DEVELOPMENT</u>	<u>RECOMPLETION</u>
Location	<u>NE/4 of Section 8-23S-28E</u>	<u>X</u> <u>EXPLOITATION</u>	<u>WORKOVER</u>
Prospect	<u>Malaga</u>		
Est Total Depth	<u>20,410</u>	Est Drilling Days <u>24.5</u>	Est Completion Days <u>11</u>

LOCATION COST - INTANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
<u>7001270</u>	<u>Location and Access</u>	<u>165,000</u>
<u>7001250</u>	<u>Land Broker Fees and Services</u>	<u>110,000</u>
		<u>0</u>
	TOTAL LOCATION COST - INTANGIBLE	\$275,000

DRILLING COST - TANGIBLE

<u>7001270</u>	<u>Conductor Pipe</u>	<u>36,698</u>
<u>7012050</u>	<u>Surface Casing</u>	<u>24,955</u>
<u>7012050</u>	<u>Intermediate Casing 1</u>	<u>76,333</u>
<u>7012050</u>	<u>Intermediate Casing 2</u>	<u>314,138</u>
<u>7012050</u>	<u>Production Casing</u>	<u>549,008</u>
<u>7012050</u>	<u>Drig Liner Hanger, Tieback Eq & Csg Accessories</u>	<u>36,698</u>
<u>7012550</u>	<u>Drilling Wellhead Equipment</u>	<u>35,230</u>
<u>7012040</u>	<u>Casing & Tubing Access</u>	<u>95,416</u>
<u>7290003</u>	<u>Miscellaneous MRO Materials</u>	<u>7,340</u>
		<u>-</u>
	TOTAL DRILLING - TANGIBLE	\$1,175,816

DRILLING COST - INTANGIBLE

<u>7290002</u>	<u>Drilling Rig Mob/Demob</u>	<u>95,416</u>
<u>7290002</u>	<u>Drilling Rig - day work/footage</u>	<u>792,685</u>
<u>7019040</u>	<u>Directional Drilling Services</u>	<u>276,853</u>
<u>7019020</u>	<u>Cement and Cementing Serv. Surface</u>	<u>22,019</u>
<u>7019020</u>	<u>Cement and Cementing Serv. Intermediate 1</u>	<u>36,698</u>
<u>7019020</u>	<u>Cement and Cementing Serv. Intermediate 2</u>	<u>66,057</u>
<u>7019020</u>	<u>Cement and Cementing Serv. Production</u>	<u>124,774</u>
<u>7019140</u>	<u>Mud Fluids & Services</u>	<u>102,021</u>
<u>7012310</u>	<u>Solids Control equipment</u>	<u>71,342</u>
<u>7012020</u>	<u>Bits</u>	<u>198,171</u>
<u>7019010</u>	<u>Casing Crew and Services</u>	<u>73,397</u>
<u>7016350</u>	<u>Fuel (Rig)</u>	<u>122,866</u>
<u>7019140</u>	<u>Fuel (Mud)</u>	<u>44,038</u>
<u>7001460</u>	<u>Water (non potable)</u>	<u>36,698</u>
<u>7012350</u>	<u>Water (potable)</u>	<u>7,340</u>
<u>7019000</u>	<u>Well Logging Services</u>	<u>-</u>
<u>7019150</u>	<u>Mud Logging+geosteering</u>	<u>23,891</u>
<u>7019250</u>	<u>Stabilizers, Hole Openers, Underreamers (DH rentals)</u>	<u>51,378</u>
<u>7019110</u>	<u>Casing inspection/cleaning</u>	<u>22,019</u>
<u>7019110</u>	<u>Drill pipe/collar inspection services</u>	<u>14,679</u>
<u>7016180</u>	<u>Freight - truck</u>	<u>36,698</u>
<u>7001460</u>	<u>Water hauling and disposal (includes soil farming)</u>	<u>88,076</u>
<u>7001160</u>	<u>Contract Services - Disposal/Non-Hazardous Waste</u>	<u>117,435</u>
<u>7001440</u>	<u>Vacuum Trucks</u>	<u>14,679</u>
<u>7000030</u>	<u>Contract Labor - general</u>	<u>44,038</u>
<u>7000010</u>	<u>Contract Labor - Operations</u>	<u>4,404</u>
<u>7001200</u>	<u>Contract Services - Facilities</u>	<u>14,679</u>
<u>7019300</u>	<u>Well Services - Well Control Services</u>	<u>33,579</u>
<u>7019350</u>	<u>Well Services - Well/Wellhead Services</u>	<u>14,679</u>
<u>7290003</u>	<u>Rental Tools and Equipment (surface rentals)</u>	<u>19,817</u>
<u>7260001</u>	<u>Rig Equipment and Misc.</u>	<u>158,537</u>
<u>7001110</u>	<u>Telecommunications Services</u>	<u>7,340</u>
<u>7001120</u>	<u>Consulting Services</u>	<u>166,464</u>
<u>7001400</u>	<u>Safety and Environmental</u>	<u>55,488</u>
<u>7330002</u>	<u>Rental Buildings (trailers)</u>	<u>19,817</u>
<u>7019310</u>	<u>Coring (sidewalls & analysis)</u>	<u>-</u>
<u>7011010</u>	<u>8% Contingency & Taxes</u>	<u>332,311</u>
		<u>-</u>
	TOTAL DRILLING - INTANGIBLE	\$3,310,384

TOTAL DRILLING COST \$4,486,200

COMPLETION - TANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
<u>7012580</u>	<u>Tubing</u>	<u>-</u>
<u>7012040</u>	<u>Tubing Accessories (nipple, wireline entry)</u>	<u>-</u>
<u>7012550</u>	<u>Wellhead Equip</u>	<u>15,000</u>
<u>7012560</u>	<u>Packers - Completion Equipment</u>	<u>-</u>
		<u>-</u>
	TOTAL COMPLETION - TANGIBLE	\$15,000

COMPLETION - INTANGIBLE

<u>7001270</u>	<u>Location and Access (dress location after rig move, set anchors)</u>	<u>12,539</u>
<u>7290002</u>	<u>Drilling Rig During Completion</u>	<u>-</u>
<u>7019140</u>	<u>Mud Fluids & Services</u>	<u>-</u>
<u>7019030</u>	<u>Coiled Tubing Services (3 runs)</u>	<u>197,042</u>
<u>7019240</u>	<u>Snubbing Services</u>	<u>-</u>
<u>7019270</u>	<u>Pulling/Swab Units</u>	<u>-</u>
<u>7016350</u>	<u>Fuel (from drlg)</u>	<u>-</u>
<u>7019010</u>	<u>Casing Crew and Services</u>	<u>-</u>
<u>7019020</u>	<u>Cement and Cementing Services</u>	<u>-</u>
<u>7019080</u>	<u>Well Testing Services (flow hand & equip)</u>	<u>414,968</u>
<u>7390002</u>	<u>Fracturing Services</u>	<u>5,155,178</u>
<u>7019330</u>	<u>Perforating</u>	<u>234,172</u>
<u>7019360</u>	<u>Wireline Services</u>	<u>-</u>
<u>7001460</u>	<u>Water Hauling & Disposal (frac fluids)</u>	<u>310,937</u>
<u>7016180</u>	<u>Freight - Truck (haul pipe; drlg & compl)</u>	<u>-</u>
<u>7290003</u>	<u>BOP Rental & Testing</u>	<u>-</u>
<u>7290003</u>	<u>Rental Tools and Equipment (incl drlg; lightplant,hydra-walk)</u>	<u>-</u>
<u>7290003</u>	<u>CT Downhole Rental Equipment (ie. Bit, BHA)</u>	<u>58,217</u>
<u>7290003</u>	<u>Contract Labor - general</u>	<u>-</u>
<u>7000030</u>	<u>Telecommunications Services</u>	<u>44,782</u>
<u>7001110</u>	<u>Safety and Environmental</u>	<u>-</u>
<u>7001400</u>	<u>Consulting Services</u>	<u>117,778</u>
<u>7001120</u>	<u>Zipper Manifold</u>	<u>176,235</u>
<u>7019300</u>	<u>Frac Stack Rentals</u>	<u>152,260</u>
<u>7016180</u>	<u>Freight (Transportation Services)</u>	<u>8,598</u>
<u>7260001</u>	<u>Equipment Rental (w/o operator, frac tanks, lightplants)</u>	<u>227,785</u>
<u>7330002</u>	<u>Rental Buildings (trailers)</u>	<u>-</u>
<u>7000030</u>	<u>Contract Labor - Pumping (pump-down pumps)</u>	<u>44,782</u>
<u>7011010</u>	<u>8% Contingency & Taxes</u>	<u>-</u>
		<u>-</u>
	TOTAL COMPLETION - INTANGIBLE	\$7,155,274

TOTAL COMPLETION COST \$7,170,274

SURFACE EQUIPMENT - TANGIBLE

7012350	Misc. Piping, Fittings & Valves	130,155
7006640	Company Labor & Burden	-
7000030	Contract Labor - General	141,355
7001110	Telecommunication equip (Telemetry)	-
7012410	Line Pipe & Accessories	37,680
7012270	Miscellaneous Materials (containment system)	39,249
7008060	SCADA	12,417
7016180	Freight - truck	12,981
7001190	Contract Engineering	8,041
7012290	Metering and Instrumentation	220,258
7012290	I&E Materials	129,197
7012200	Gas Treating	-
7012200	Dehydration	-
7012010	Compressor	14,948
7012350	Power	-
7012610	Vapor Recovery Unit	-
7012440	Separator & other pressure vessels	208,842
7012500	Tanks	36,761
7012100	Heater Treater	108,649
7012640	Flare & Accessories	15,782
7000010	Electrical Labor	71,389
7000010	Mechanical Labor	154,377
7012480	Rod Pumping unit & Pad	-
7012180	Pumping Unit Engine	-
7012350	Electrical Power (electrical cooperative construction costs)	28,919
TOTAL SURFACE EQUIPMENT - TANGIBLE		\$1,371,000

TOTAL SURFACE EQUIPMENT COST \$ 1,371,000

ARTIFICIAL LIFT

7000030	Contract Labor	5,071
7001120	Consultant	4,056
7008230	Time Writing/Overhead	5,071
7012180	Artificial Lift Equipment	265,699
7012350	Materials & Supplies	2,028
7012550	Production Tree	5,071
7012580	Tubing	106,482
7016190	Freight	5,071
7018150	Rentals	6,085
7019130	Kill Fluid	2,028
7019220	Well Services & Rig	24,339
TOTAL ARTIFICIAL LIFT		431,000

TOTAL ARTIFICIAL LIFT COST \$ 431,000

SUMMARY OF ESTIMATED DRILLING WELL COSTS		TOTAL COST
TOTAL LOCATION COST	\$	275,000
TOTAL DRILLING COST	\$	4,486,200
TOTAL COMPLETIONS COST	\$	7,170,274
TOTAL SURFACE EQUIPMENT COST	\$	1,371,000
TOTAL ARTIFICIAL LIFT COST	\$	431,000
GRAND TOTAL COST		\$13,733,474

MARATHON OIL PERMIAN LLC
 AUTHORITY FOR EXPENDITURE
 DETAIL OF ESTIMATED WELL COSTS

DATE 3/15/2023

Asset Team PERMIAN
 Field Purple Sage/Wolfcamp
 Lease/Facility Decimus Fed Com 804H

EXTRA EXPENSE INSURANCE

- I elect to be covered by Operator's Extra Expense Insurance and pay my proportionate share of the premium.
Operator has secured Extra Expense Insurance covering costs of well control, clean up and redrilling as estimated in Line Item 0180-0185.
- I elect to purchase my own well control insurance policy.

If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well control insurance.

Company / Owner: _____ Date: _____

Signature: _____

Joint Owner Name: _____

Joint Owner Title: _____

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**APPLICATION OF MARATHON OIL PERMIAN
LLC FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO.**

CASE NO. 23755

SELF-AFFIRMED DECLARATION OF DEANA M. BENNETT

Deana M. Bennett, attorney in fact and authorized representative of Marathon Oil Permian, LLC, the Applicant herein, declares as follows:

1) The above-referenced Application was provided under notice letter, dated August 11, 2023, and attached hereto, and notice letter dated October 6, 2023 sent to MCM Permian, as Exhibit A.

2) Exhibit B is the mailing list, which show the notice letters were delivered to the USPS for mailing on August 11, 2023, and the mailing list showing the letter to MCM Permian delivered to the USPS for mailing on October 6, 2023.

3) Exhibit C is the certified mailing tracking information, which is automatically complied by CertifiedPro, the software Modrall uses to track the mailings. This spreadsheet shows the names and addresses of the parties to whom notice was sent and the status of the mailing.

4) Exhibit D is the Affidavit of Publication from the Carlsbad Current Argus, confirming that notice of the September 7, 2023 hearing was published on August 17, 2023.

5) I attest under penalty of perjury under the laws of the State of New Mexico that the information provided herein is correct and complete to the best of my knowledge and belief.

Dated: October 23, 2023

EXHIBIT B.7

Deana M. Bennett

Deana M. Bennett



MODRALL SPERLING
LAWYERS

August 11, 2023

Deana M. Bennett
505.848.1834
dmb@modrall.com

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

**Re: APPLICATION OF MARATHON OIL PERMIAN, LLC
FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO.**

CASE NO. 23755

TO: AFFECTED PARTIES

This letter is to advise you that Marathon Oil Permian, LLC ("Marathon") has filed the enclosed application.

In Case No. 23755, Marathon seeks an order from the Division pooling all uncommitted mineral interests within a standard 1280-acre, more or less, Wolfcamp horizontal spacing unit underlying the S/2 of Sections 5 and 6 and the N/2 of Sections 7 and 8, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico. This spacing unit will be dedicated to the Decimus Fed Com 801H, Decimus Fed Com 701H, Decimus Fed Com 802H, Decimus Fed Com 702H, Decimus Fed Com 803H, Decimus Fed Com 703H, Decimus Fed Com 804H and Decimus Fed Com 704H wells, to be horizontally drilled. The wells will be drilled at orthodox locations. The completed intervals for the Decimus Fed Com 702H and Decimus Fed Com 803H wells are expected to be less than 330' from the adjoining tracts thereby allowing for the inclusion of the proximity tracts within the proposed spacing unit. Also to be considered will be the cost of drilling and completing said wells, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Marathon as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 3.5 miles northwest of Loving, NM.

The hearing will be conducted remotely on September 7, 2023 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the docket for the hearing date: <https://www.emnrd.nm.gov/oed/hearing-info/>.

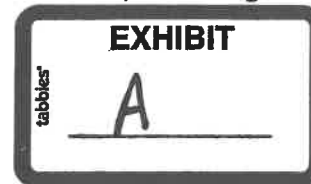
As a party who may be affected by this application, we are notifying you of your right to appear at the hearing and participate in this case, including

Modrall Spierling
Roehl Harris & Sisk P.A.

500 Fourth Street NW
Suite 1000
Albuquerque,
New Mexico 87102

PO Box 2168
Albuquerque,
New Mexico 87103-2168

Tel: 505.848.1800
www.modrall.com



Page 2

the right to present evidence either in support of or in opposition to the application. Failure to appear at the hearing may preclude you from any involvement in this case at a later date.

You are further notified that if you desire to appear in this case, then you are requested to file a Pre-Hearing Statement with the Division at least four business days in advance of a scheduled hearing before the Division or the Commission, but in no event later than 5:00 p.m. mountain time, on the Thursday preceding the scheduled hearing date, with a copy delivered to the undersigned.

Sincerely,



Deana M. Bennett

Attorney for Applicant

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

APPLICATION OF MARATHON OIL
PERMIAN LLC FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO.

CASE NO. 23755

APPLICATION

Marathon Oil Permian LLC (“Marathon”), OGRID Number 372098, through its undersigned attorneys, hereby submits this application to the Oil Conservation Division pursuant to the provisions of NMSA (1978), Section 70-2-17, for an order pooling all uncommitted mineral interests within a Wolfcamp horizontal spacing unit underlying the S/2 of Sections 5 and 6 and the N/2 of Sections 7 and 8, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico.

In support of this application, Marathon states as follows:

1. Marathon is an interest owner in the subject lands and has a right to drill a well thereon.
2. Marathon seeks to dedicate the S/2 of Sections 5 and 6 and the N/2 of Sections 7 and 8, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico to form a 1280-acre, more or less, standard spacing unit.
3. Marathon plans to drill the **Decimus Fed Com 801H, Decimus Fed Com 701H, Decimus Fed Com 802H, Decimus Fed Com 702H, Decimus Fed Com 803H, Decimus Fed Com 703H, Decimus Fed Com 804H and Decimus Fed Com 704H** wells to a depth sufficient to test the Wolfcamp formation. These wells will be horizontally drilled.
4. These wells will be located within the Purple Sage Wolfcamp Gas Pool, which is subject to special pool rules that establish 330 foot setback requirements.
5. These wells will comply with the Division’s setback requirements for this pool.

6. The completed intervals for the Decimus Fed Com 702H and Decimus Fed Com 803H wells are expected to be less than 330' from the adjoining tracts thereby allowing for the inclusion of the proximity tracts within the proposed spacing unit under Rule 19.15.16.15(B)(1)(b) NMAC.

7. Marathon sought, but has been unable to obtain, a voluntary agreement from all interest owners in the Wolfcamp formation underlying the proposed spacing unit to participate in the drilling of the wells or to otherwise commit their interests to the wells.

8. The pooling of all interests in the Wolfcamp formation underlying the proposed unit will prevent the drilling of unnecessary wells, prevent waste and protect correlative rights.

WHEREFORE, Marathon requests this application be set for hearing before an Examiner of the Oil Conservation Division on September 7, 2023 and after notice and hearing as required by law, the Division enter its order:

A. Pooling all uncommitted mineral interests in the Wolfcamp formation underlying a horizontal spacing unit within the S/2 of Sections 5 and 6 and the N/2 of Sections 7 and 8, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico;

B. Designating Marathon as operator of this unit and the wells to be drilled thereon;

C. Authorizing Marathon to recover its costs of drilling, equipping and completing the wells;

D. Approving actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure;

E. Setting a 200% charge for the risk involved in drilling and completing the wells in the event a working interest owner elects not to participate in the wells.

Respectfully submitted,

MODRALL, SPERLING, ROEHL, HARRIS
& SISK, P.A.

By: *Deana M Bennett*
Deana M. Bennett
Post Office Box 2168
500 Fourth Street NW, Suite 1000
Albuquerque, New Mexico 87103-2168
Telephone: 505.848.1800
Attorneys for Applicant

CASE NO. 23755 : Application of Marathon Oil Permian LLC for compulsory pooling, Eddy County, New Mexico. Applicant seeks an order from the Division pooling all uncommitted mineral interests within a standard 1280-acre, more or less, Wolfcamp horizontal spacing unit underlying the S/2 of Sections 5 and 6 and the N/2 of Sections 7 and 8, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico. This spacing unit will be dedicated to the Decimus Fed Com 801H, Decimus Fed Com 701H, Decimus Fed Com 802H, Decimus Fed Com 702H, Decimus Fed Com 803H, Decimus Fed Com 703H, Decimus Fed Com 804H and Decimus Fed Com 704H wells, to be horizontally drilled. The wells will be drilled at orthodox locations. The completed intervals for the Decimus Fed Com 702H and Decimus Fed Com 803H wells are expected to be less than 330' from the adjoining tracts thereby allowing for the inclusion of the proximity tracts within the proposed spacing unit. Also to be considered will be the cost of drilling and completing said wells, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Marathon as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 3.5 miles northwest of Loving, NM.



MODRALL SPERLING
LAWYERS

October 6, 2023

Deana M. Bennett
505.848.1834
dmb@modrall.com

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

**Re: APPLICATION OF MARATHON OIL PERMIAN, LLC
FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO.**

CASE NO. 23755

TO: AFFECTED PARTIES

This letter is to advise you that Marathon Oil Permian, LLC (“Marathon”) has filed the enclosed application.

In Case No. 23755, Marathon seeks an order from the Division pooling all uncommitted mineral interests within a standard 1280-acre, more or less, Wolfcamp horizontal spacing unit underlying the S/2 of Sections 5 and 6 and the N/2 of Sections 7 and 8, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico. This spacing unit will be dedicated to the Decimus Fed Com 801H, Decimus Fed Com 701H, Decimus Fed Com 802H, Decimus Fed Com 702H, Decimus Fed Com 803H, Decimus Fed Com 703H, Decimus Fed Com 804H and Decimus Fed Com 704H wells, to be horizontally drilled. The wells will be drilled at orthodox locations. The completed intervals for the Decimus Fed Com 702H and Decimus Fed Com 803H wells are expected to be less than 330’ from the adjoining tracts thereby allowing for the inclusion of the proximity tracts within the proposed spacing unit. Also to be considered will be the cost of drilling and completing said wells, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Marathon as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 3.5 miles northwest of Loving, NM.

The hearing was originally set for October 5, 2023, but has been rescheduled and will be conducted remotely on November 2, 2023 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the docket for the hearing date: <https://www.emnrd.nm.gov/ocd/hearing-info/>.

Modrall Sperling
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Page 2

As a party who may be affected by this application, we are notifying you of your right to appear at the hearing and participate in this case, including the right to present evidence either in support of or in opposition to the application. Failure to appear at the hearing may preclude you from any involvement in this case at a later date.

You are further notified that if you desire to appear in this case, then you are requested to file a Pre-Hearing Statement with the Division at least four business days in advance of a scheduled hearing before the Division or the Commission, but in no event later than 5:00 p.m. mountain time, on the Thursday preceding the scheduled hearing date, with a copy delivered to the undersigned.

Sincerely,



Deana M. Bennett

Attorney for Applicant

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

APPLICATION OF MARATHON OIL
PERMIAN LLC FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO.

CASE NO. 23755

APPLICATION

Marathon Oil Permian LLC (“Marathon”), OGRID Number 372098, through its undersigned attorneys, hereby submits this application to the Oil Conservation Division pursuant to the provisions of NMSA (1978), Section 70-2-17, for an order pooling all uncommitted mineral interests within a Wolfcamp horizontal spacing unit underlying the S/2 of Sections 5 and 6 and the N/2 of Sections 7 and 8, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico.

In support of this application, Marathon states as follows:

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B. Designating Marathon as operator of this unit and the wells to be drilled thereon;


C. Authorizing Marathon to recover its costs of drilling, equipping and completing the wells;

D. Approving actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure;

E. Setting a 200% charge for the risk involved in drilling and completing the wells in the event a working interest owner elects not to participate in the wells.

Respectfully submitted,

MODRALL, SPERLING, ROEHL, HARRIS
& SISK, P.A.

By: 
Deana M. Bennett
Post Office Box 2168
500 Fourth Street NW, Suite 1000
Albuquerque, New Mexico 87103-2168
Telephone: 505.848.1800
Attorneys for Applicant

CASE NO. 23755 : Application of Marathon Oil Permian LLC for compulsory pooling, Eddy County, New Mexico. Applicant seeks an order from the Division pooling all uncommitted mineral interests within a standard 1280-acre, more or less, Wolfcamp horizontal spacing unit underlying the S/2 of Sections 5 and 6 and the N/2 of Sections 7 and 8, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico. This spacing unit will be dedicated to the Decimus Fed Com 801H, Decimus Fed Com 701H, Decimus Fed Com 802H, Decimus Fed Com 702H, Decimus Fed Com 803H, Decimus Fed Com 703H, Decimus Fed Com 804H and Decimus Fed Com 704H wells, to be horizontally drilled. The wells will be drilled at orthodox locations. The completed intervals for the Decimus Fed Com 702H and Decimus Fed Com 803H wells are expected to be less than 330' from the adjoining tracts thereby allowing for the inclusion of the proximity tracts within the proposed spacing unit. Also to be considered will be the cost of drilling and completing said wells, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Marathon as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 3.5 miles northwest of Loving, NM.

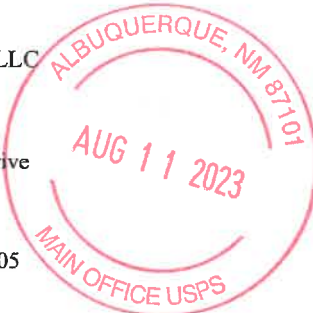
Karlene Schuman
Modrall Sperlberg Roehl Harris & Sisk P.A.
500 Fourth Street, Suite 1000
Albuquerque NM 87102

PS Form 3877

Type of Mailing: CERTIFIED MAIL
08/11/2023

Firm Mailing Book ID: 250644

Line	USPS Article Number	Name, Street, City, State, Zip	Postage	Service Fee	RR Fee	Rest.Del.Fee	Reference Contents
1	9314 8699 0430 0110 8987 13	NOVO MINERALS, LP 1001 WEST WILSHIRE BLVD. SUITE 206 Oklahoma City OK 73116	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
2	9314 8699 0430 0110 8987 20	DON L. PARKER P.O. BOX 329 LOVING NM 88256	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
3	9314 8699 0430 0110 8987 37	The New Mexico Department of Transportation P.O. Box 1149 Santa Fe NM 87504	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
4	9314 8699 0430 0110 8987 44	Blakemore Family Royalty Partnership 1901 N. Akard Street Dallas TX 75201	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
5	9314 8699 0430 0110 8987 51	Roy Barton & Claudia Barton, joint tenants 1919 NORTH TURNER HOBBS NM 88240	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
6	9314 8699 0430 0110 8987 68	Roy Barton & Opal Barton Revocable Trust Roy G. Barton Jr., Trustee 1919 NORTH TURNER HOBBS NM 88240	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
7	9314 8699 0430 0110 8987 75	Valence Operating Company 600 Rockmead Drive, Suite 200 Kingwood TX 77339	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
8	9314 8699 0430 0110 8987 82	Thomas M. Beall 1414 Country Club Drive Midland TX 79701	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
9	9314 8699 0430 0110 8987 99	Richardson Oil Company, LLC 7557 Rambler Road, Suite 918 Dallas TX 75231	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
10	9314 8699 0430 0110 8988 05	Highland (Texas) Energy Company 7557 Rambler Road, Suite 918 Dallas TX 75231	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
11	9314 8699 0430 0110 8988 12	Southwest Petroleum Company, L.P. P.O. Box 702377 Dallas TX 75370	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
12	9314 8699 0430 0110 8988 29	Ward N. Atkins, Jr. 5519 Tupper Lake Houston TX 77056	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
13	9314 8699 0430 0110 8988 36	Stevens Oil & Gas, LLC P.O. Box 3087 Roswell NM 88202	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
14	9314 8699 0430 0110 8988 43	David M. Stevens 3101 Diamond A Drive Roswell NM 88201	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
15	9314 8699 0430 0110 8988 50	Lucinda Loveless 230 South Alameda Las Cruces NM 88005	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice



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Karlene Schuman
 Modrall Sperlberg Roehl Harris & Sisk P.A.
 500 Fourth Street, Suite 1000
 Albuquerque NM 87102

PS Form 3877

Type of Mailing: CERTIFIED MAIL
 08/11/2023

Firm Mailing Book ID: 250644

Line	USPS Article Number	Name, Street, City, State, Zip	Postage	Service Fee	RR Fee	Rest.Del.Fee	Reference Contents
16	9314 8699 0430 0110 8988 67	Michael F. Murry 9206 Bent Spur Lane Houston TX 77064	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
17	9314 8699 0430 0110 8988 74	Fasken Land and Minerals Ltd. 303 West Wall Avenue, Suite 1800 Midland TX 79701	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
18	9314 8699 0430 0110 8988 81	Oxy USA WTP Limited Partnership 5 Greenway Plaza, Suite 110 Houston TX 77046	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
19	9314 8699 0430 0110 8988 98	Bruce A. Stubbs 804 Pearson Dr. Roswell NM 88201	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
20	9314 8699 0430 0110 8989 04	Wells Fargo Bank, N.A., Trustee of the Lisa McFarland Trust P.O BOX 1959 MIDLAND TX 79702	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
21	9314 8699 0430 0110 8989 11	PrimeEnergy Asset and Income Fund AA-4 Attn: Ron Summers 9821 Katy Freeway Suite 1050 Houston TX 77024	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
22	9314 8699 0430 0110 8989 28	PrimeEnergy Asset and Income Fund AA-3 Attn: Ron Summers 9821 Katy Freeway Suite 1050 Houston TX 77024	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
23	9314 8699 0430 0110 8989 35	Fort Worth Mineral Company, LLC 425 Houston Street, Suite 400 Fort Worth TX 76102	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
24	9314 8699 0430 0110 8989 42	Wells Fargo Bank, N.A., Trustee of Patricia Del Valle Trust P.O BOX 1959 Midland TX 79702	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
25	9314 8699 0430 0110 8989 59	ESTATE OF JEANETTE HUGHEN 2200 WEST PIERCE STREET CARLSBAD NM 88220	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
26	9314 8699 0430 0110 8989 66	NORMA J. CHANLEY P.O. BOX 728 HOBBS NM 88241	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
27	9314 8699 0430 0110 8989 73	Dick A. Blenden 208 West Stevens Street Carlsbad NM 88220	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
28	9314 8699 0430 0110 8989 80	JEFFERY B. DIAMOND P.O. BOX 1866 CARLSBAD NM 88220	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
29	9314 8699 0430 0110 8989 97	Jeffrey B. Diamond and Envy Diamond 323 West Mermod Carlsbad NM 88220	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice



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Karlene Schuman
 Modrall Sperlberg Roehl Harris & Sisk P.A.
 500 Fourth Street, Suite 1000
 Albuquerque NM 87102

PS Form 3877

Type of Mailing: CERTIFIED MAIL
 08/11/2023

Firm Mailing Book ID: 250644

Line	USPS Article Number	Name, Street, City, State, Zip	Postage	Service Fee	RR Fee	Rest.Del.Fee	Reference Contents
30	9314 8699 0430 0110 8990 00	Marifred Handley 5 Las Casitas Las Cruces NM 88007	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
31	9314 8699 0430 0110 8990 17	Harle, Inc. P.O. Box 821415 Houston TX 77282	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
32	9314 8699 0430 0110 8990 24	Jana Zane Hayes 4560 Belt Line Road, Suite 428 Addison TX 75001	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
33	9314 8699 0430 0110 8990 31	Gregory Raymond Hayes 4560 Belt Line Road, Suite 428 Addison TX 75001	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
34	9314 8699 0430 0110 8990 48	Sandy Blenden 15 Paloma Ave., Apt. 21 Venice CA 90291	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
35	9314 8699 0430 0110 8990 55	Phil Blenden 902 Fountain Drive Carlsbad NM 88220	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
36	9314 8699 0430 0110 8990 62	Robin Shelton 3326 Maxwell Drive Midland TX 79707	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
37	9314 8699 0430 0110 8990 79	Robert Levenson and Carol Levenson 4015 88th Place Lubbock TX 79423	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
38	9314 8699 0430 0110 8990 86	Kathleen Phillips 3706 Oakmont Drive Midland TX 79707	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
39	9314 8699 0430 0110 8990 93	Tommy Phipps and Werta Jean Phipps Trustees of the Phipps Living Trust 3013 Sycamore Court Moore OK 73160	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
40	9314 8699 0430 0110 8991 09	Western Commerce Bank Account of Forrest Miller P.O. Drawer 1358 Carlsbad NM 88221	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
41	9314 8699 0430 0110 8991 16	Forrest Miller P.O. Drawer 1358 Carlsbad NM 88221	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
42	9314 8699 0430 0110 8991 23	Read & Stevens, Inc. P.O. Box 1518 Roswell NM 88202	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
43	9314 8699 0430 0110 8991 30	CBR Oil Properties LLC P.O. Box 1518 Roswell NM 88202	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
44	9314 8699 0430 0110 8991 47	Hillman Royalties, LP 1415 S. Voss, Suite 110-105 Houston TX 77057	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice



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Karlene Schuman
 Modrall Sperlberg Roehl Harris & Sisk P.A.
 500 Fourth Street, Suite 1000
 Albuquerque NM 87102

PS Form 3877

Type of Mailing: CERTIFIED MAIL
 08/11/2023

Firm Mailing Book ID: 250644

Line	USPS Article Number	Name, Street, City, State, Zip	Postage	Service Fee	RR Fee	Rest.Del.Fee	Reference Contents
45	9314 8699 0430 0110 8991 54	Stryker Energy, LLC P.O. Box 53448 Houston TX 77052	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
46	9314 8699 0430 0110 8991 61	Zunis Energy, LLC 15 East 5th Street, Suite 3300 Tulsa OK 74103	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
47	9314 8699 0430 0110 8991 78	Susannah Adelson, Trustee of James Adelson & Family 2015 Trusts 15 East 5th Street, Suite 3300 Tulsa OK 74103	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
48	9314 8699 0430 0110 8991 85	Yuma Exploration & Production Company, Inc. 1177 West Loop, Suite 1825 Houston TX 77027	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
49	9314 8699 0430 0110 8991 92	Viper Energy Partners LLC 500 West Texas, Suite 1200 Midland TX 79701	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
50	9314 8699 0430 0110 8992 08	Bureau of Land Management 301 Dinosaur Trail SANTA FE NM Santa Fe NM 87508	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217. Notice
Totals:			\$79.50	\$217.50	\$110.00	\$0.00	
			Grand Total:		\$407.00		

List Number of Pieces Listed by Sender Total Number of Pieces Received at Post Office Postmaster: Name of receiving employee Dated:

50

50

[Handwritten Signature]



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Karlene Schuman
Modrall Sperling Roehl Harris & Sisk P.A.
500 Fourth Street, Suite 1000
Albuquerque NM 87102

PS Form 3877

Type of Mailing: CERTIFIED MAIL
10/06/2023

Firm Mailing Book ID: 253653

Line	USPS Article Number	Name, Street, City, State, Zip	Postage	Service Fee	RR Fee	Rest.Del.Fee	Reference Contents
1	9314 8699 0430 0112 8783 24	MCM Permian, LLC P.O. Box 1540 Midland TX 79702	\$1.59	\$4.35	\$2.20	\$0.00	81363.0217
Totals:			\$1.59	\$4.35	\$2.20	\$0.00	
Grand Total:						\$8.14	

List Number of Pieces Listed by Sender	Total Number of Pieces Received at Post Office	Postmaster: Name of receiving employee	Dated:
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1



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Received by OCD: 10/31/2023 3:14:14 PM

Transaction Report Details - CertifiedPro.net
Firm Mail Book ID= 250644
Generated: 9/28/2023 9:07:52 AM

USPS Article Number	Date Created	Reference Number	Name 1	Name 2	City	State	Zip	Mailing Status	Service Options	Mail Delivery Date
9314869904300110899208	2023-08-11 12:45 PM	81363.0217.	Bureau of Land Management		Santa Fe	NM	87508	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-14 12:29 PM
9314869904300110899192	2023-08-11 12:45 PM	81363.0217.	Viper Energy Partners LLC		Midland	TX	79701	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-17 1:57 PM
9314869904300110899185	2023-08-11 12:45 PM	81363.0217.	Yuma Exploration & Production Company, Inc.		Houston	TX	77027	Lost	Return Receipt - Electronic, Certified Mail	
9314869904300110899178	2023-08-11 12:45 PM	81363.0217.	Susannah Adelson, Trustee of James Adelson & Zunis Energy, LLC	Family 2015 Trusts	Tulsa	OK	74103	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-14 12:46 PM
9314869904300110899161	2023-08-11 12:45 PM	81363.0217.	Susannah Adelson, Trustee of James Adelson & Zunis Energy, LLC	Family 2015 Trusts	Tulsa	OK	74103	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-14 12:46 PM
9314869904300110899154	2023-08-11 12:45 PM	81363.0217.	Stryker Energy, LLC		Houston	TX	77052	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-15 8:30 AM
9314869904300110899147	2023-08-11 12:45 PM	81363.0217.	Hillman Royalties, LP		Houston	TX	77057	Lost	Return Receipt - Electronic, Certified Mail	
9314869904300110899130	2023-08-11 12:45 PM	81363.0217.	CBR Oil Properties LLC		Roswell	NM	88202	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-14 8:53 AM
9314869904300110899123	2023-08-11 12:45 PM	81363.0217.	Read & Stevens, Inc.		Roswell	NM	88202	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-14 8:53 AM
9314869904300110899116	2023-08-11 12:45 PM	81363.0217.	Forrest Miller		Carlsbad	NM	88221	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-14 12:46 PM
9314869904300110899109	2023-08-11 12:45 PM	81363.0217.	Western Commerce Bank	Account of Forrest Miller	Carlsbad	NM	88221	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-14 1:46 PM
9314869904300110899093	2023-08-11 12:45 PM	81363.0217.	Tommy Phipps and Werta Jean Phipps	Trustees of the Phipps Living Trust	Moore	OK	73160	Lost	Return Receipt - Electronic, Certified Mail	2023-08-14 1:46 PM
9314869904300110899086	2023-08-11 12:45 PM	81363.0217.	Kathleen Phillips		Midland	TX	79707	Undelivered - To Be Returned	Return Receipt - Electronic, Certified Mail	
9314869904300110899079	2023-08-11 12:45 PM	81363.0217.	Robert Levenson and Carol Levenson		Lubbock	TX	79423	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-17 4:00 PM
9314869904300110899062	2023-08-11 12:45 PM	81363.0217.	Robin Shelton		Midland	TX	79707	Lost	Return Receipt - Electronic, Certified Mail	
9314869904300110899055	2023-08-11 12:45 PM	81363.0217.	Phil Blenden		Carlsbad	NM	88220	Lost	Return Receipt - Electronic, Certified Mail	
9314869904300110899048	2023-08-11 12:45 PM	81363.0217.	Sandy Blenden		Venice	CA	90291	Lost	Return Receipt - Electronic, Certified Mail	
9314869904300110899031	2023-08-11 12:45 PM	81363.0217.	Gregory Raymond Hayes		Addison	TX	75001	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-14 4:31 PM
9314869904300110899024	2023-08-11 12:45 PM	81363.0217.	Jana Zane Hayes		Addison	TX	75001	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-14 4:31 PM
9314869904300110899017	2023-08-11 12:45 PM	81363.0217.	Harle, Inc.		Houston	TX	77282	Undelivered - To Be Returned	Return Receipt - Electronic, Certified Mail	
9314869904300110899000	2023-08-11 12:45 PM	81363.0217.	Marifred Handley		Las Cruces	NM	88007	Lost	Return Receipt - Electronic, Certified Mail	
9314869904300110898997	2023-08-11 12:45 PM	81363.0217.	Jeffrey B. Diamond and Envy Diamond		Carlsbad	NM	88220	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-15 4:36 PM
9314869904300110898980	2023-08-11 12:45 PM	81363.0217.	JEFFERY B. DIAMOND		CARLSBAD	NM	88220	Lost	Return Receipt - Electronic, Certified Mail	
9314869904300110898973	2023-08-11 12:45 PM	81363.0217.	Dick A. Blenden		Carlsbad	NM	88220	Undelivered - To Be Returned	Return Receipt - Electronic, Certified Mail	
9314869904300110898966	2023-08-11 12:45 PM	81363.0217.	NORMA J. CHANLEY		HOBBBS	NM	88241	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-14 1:31 PM
9314869904300110898959	2023-08-11 12:45 PM	81363.0217.	ESTATE OF JEANETTE HUGHEN		CARLSBAD	NM	88220	Lost	Return Receipt - Electronic, Certified Mail	
9314869904300110898942	2023-08-11 12:45 PM	81363.0217.	Wells Fargo Bank, N.A.,	Trustee of Patricia Del Valle Trust	Midland	TX	79702	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-17 8:37 AM
9314869904300110898935	2023-08-11 12:45 PM	81363.0217.	Fort Worth Mineral Company, LLC		Fort Worth	TX	76102	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-14 2:38 PM
9314869904300110898928	2023-08-11 12:45 PM	81363.0217.	PrimeEnergy Asset and Income Fund AA-3	Attn: Ron Summers	Houston	TX	77024	Lost	Return Receipt - Electronic, Certified Mail	
9314869904300110898911	2023-08-11 12:45 PM	81363.0217.	PrimeEnergy Asset and Income Fund AA-4	Attn: Ron Summers	Houston	TX	77024	Lost	Return Receipt - Electronic, Certified Mail	
9314869904300110898904	2023-08-11 12:45 PM	81363.0217.	Wells Fargo Bank, N.A.,	Trustee of the Lisa McFarland Trust	MIDLAND	TX	79702	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-17 8:37 AM
9314869904300110898898	2023-08-11 12:45 PM	81363.0217.	Bruce A. Stubbs		Roswell	NM	88201	Lost	Return Receipt - Electronic, Certified Mail	
9314869904300110898881	2023-08-11 12:45 PM	81363.0217.	Oxy USA WTP Limited Partnership		Houston	TX	77046	Delivered	Return Receipt - Electronic, Certified Mail	
9314869904300110898874	2023-08-11 12:45 PM	81363.0217.	Fasken Land and Minerals Ltd.		Midland	TX	79701	Lost	Return Receipt - Electronic, Certified Mail	
9314869904300110898867	2023-08-11 12:45 PM	81363.0217.	Michael F. Murry		Houston	TX	77064	Lost	Return Receipt - Electronic, Certified Mail	
9314869904300110898850	2023-08-11 12:45 PM	81363.0217.	Lucinda Loveless		Las Cruces	NM	88005	Lost	Return Receipt - Electronic, Certified Mail	
9314869904300110898843	2023-08-11 12:45 PM	81363.0217.	David M. Stevens		Roswell	NM	88201	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-14 4:47 PM
9314869904300110898836	2023-08-11 12:45 PM	81363.0217.	Stevens Oil & Gas, LLC		Roswell	NM	88202	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-14 2:32 PM
9314869904300110898829	2023-08-11 12:45 PM	81363.0217.	Ward N. Atkins, Jr.		Houston	TX	77056	Lost	Return Receipt - Electronic, Certified Mail	
9314869904300110898812	2023-08-11 12:45 PM	81363.0217.	Southwest Petroleum Company, L.P.		Dallas	TX	75370	Delivered	Return Receipt - Electronic, Certified Mail	
9314869904300110898805	2023-08-11 12:45 PM	81363.0217.	Highland (Texas) Energy Company		Dallas	TX	75231	Lost	Return Receipt - Electronic, Certified Mail	
9314869904300110898799	2023-08-11 12:45 PM	81363.0217.	Richardson Oil Company, LLC		Dallas	TX	75231	Lost	Return Receipt - Electronic, Certified Mail	
9314869904300110898782	2023-08-11 12:45 PM	81363.0217.	Thomas M. Beall		Midland	TX	79701	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-14 10:26 AM
9314869904300110898775	2023-08-11 12:45 PM	81363.0217.	Valence Operating Company		Kingswood	TX	77339	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-14 11:51 AM
9314869904300110898768	2023-08-11 12:45 PM	81363.0217.	Roy Barton & Opal Barton Revocable Trust	Roy G. Barton Jr., Trustee	HOBBBS	NM	88240	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-14 3:37 PM
9314869904300110898751	2023-08-11 12:45 PM	81363.0217.	Roy Barton & Claudia Barton, joint tenants		HOBBBS	NM	88240	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-16 2:50 PM
9314869904300110898744	2023-08-11 12:45 PM	81363.0217.	Blakemore Family Royalty Partnership		Dallas	TX	75201	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-15 10:38 AM
9314869904300110898737	2023-08-11 12:45 PM	81363.0217.	The New Mexico Department of Transportation		Santa Fe	NM	87504	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-15 5:41 AM
9314869904300110898720	2023-08-11 12:45 PM	81363.0217.	DON L. PARKER		LOVING	NM	88256	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-15 12:16 PM
9314869904300110898713	2023-08-11 12:45 PM	81363.0217.	NOVO MINERALS, LP		Oklahoma Cit	OK	73116	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-14 11:57 AM





October 12, 2023

Dear Covius Document Services:

The following is in response to your request for proof of delivery on your item with the tracking number: **9314 8699 0430 0112 8783 24.**

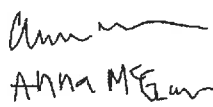

Item Details

Status:	Delivered, Individual Picked Up at Post Office
Status Date / Time:	October 11, 2023, 01:55 p.m.
Location:	MIDLAND, TX 79701
Postal Product:	First-Class Mail®
Extra Services:	Certified Mail™ Return Receipt Electronic
Recipient Name:	MCM Permian LLC

Shipment Details

Weight: 2.0oz

Recipient Signature

Signature of Recipient:	
Address of Recipient:	

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

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Reference Number: 81363.0217

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Affidavit of Publication

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POBOX 2168

ALBUQUERQUE, NM 87103

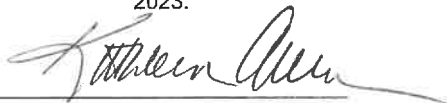
I, a legal clerk of the **Carlsbad Current Argus**, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof in editions dated as follows:

08/17/2023



Legal Clerk

Subscribed and sworn before me this August 17, 2023:



State of WI, County of Brown
NOTARY PUBLIC

1-7-25

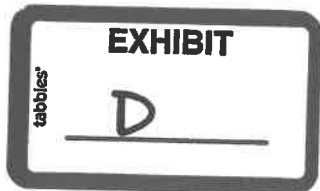
My commission expires

CASE NO. 23755: Notice to all affected parties, as well as heirs and devisees of Novo Minerals, LP; Don L. Parker; The New Mexico Department of Transportation; Blakemore Family Royalty Partnership; Roy G. Barton, Jr. and wife Claudia Barton as joint tenants; Roy G. Barton, Sr. and Opal Barton Revocable Trust, Roy G. Barton Jr., Trustee; Valence Operating Company; Thomas M. Beall; Richardson Oil Company, LLC; Highland (Texas Energy Company; Southwest Petroleum Company, LP; Ward N. Atkins, Jr.; Stevens Oil & Gas, LLC; David M. Stevens; Lucinda Loveless; Michael F. Murry; Fasken Land and Minerals Ltd.; Oxy USA WTP Limited Partnership; Bruce A. Stubbs; Wells Fargo Bank, N.A., Trustee of the Lisa McFarland Trust; PrimeEnergy Asset and Income Fund AA-4 Attn: Ron Summers; PrimeEnergy Asset and Income Fund AA-3 Attn: Ron Summers; Fort Worth Mineral Company, LLC; Wells Fargo Bank, N.A., Trustee of the Patricia Del Valle Trust; Estate of Jeanette Huguen; Norma J. Chanley; Dick A. Blenden; Jeffrey B. Diamond; Jeffrey B. Diamond and Envy Diamond; Marifred Handley; Harle, Inc.; Jana Zane Hayes; Gregory Raymond Hayes; Sandy Blenden; Phil Blenden; Robin Shelton; Robert Levenson and Carol Levenson; Kathleen Phillips; Tommy Phipps and Werta Jean Phipps, Trustees of the Phipps Living Trust; Western Commerce Bank for the Account of Forrest Miller; Forrest Miller; Read & Stevens, Inc.; CBR Oil Properties LLC; Hillman Royalties, LP; Stryker Energy, LLC; Zunis Energy, LLC; Susannah D. Adelson, Trustee of the James Adelson & Family 2015 Trusts; Yuma Exploration & Production Company, Inc.; Viper Energy Partners LLC; MCM Permian, LLC; Bureau of Land Management of Application of Marathon Oil Permian LLC for compulsory pooling, Eddy County, New Mexico. The State of New Mexico through its Oil Conservation Division hereby gives notice that the Division will conduct a public hearing at 8:15 a.m. on September 7, 2023 to consider this application. Information about accessing the electronic hearing is posted at "OCD NOTICES" at <https://www.emnrd.nm.gov/ocd/hearing-info/>. Applicant seeks an order from the Division pooling all uncommitted mineral interests within a standard 1280-acre, more or less, Wolfcamp horizontal spacing unit underlying the S/2 of Sections 5 and 6 and the N/2 of Sections 7 and 8, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico. This spacing unit will be dedicated to the Decimus Fed Com 801H, Decimus Fed Com 701H, Decimus Fed Com 802H, Decimus Fed Com 702H, Decimus Fed Com 803H, Decimus Fed Com 703H, Decimus Fed Com 804H and Decimus Fed Com 704H wells, to be horizontally drilled. The wells will be drilled at orthodox locations. The completed intervals for the Decimus Fed Com 702H and Decimus Fed Com 803H wells are expected to be less than 330' from the adjoining tracts thereby allowing for the inclusion of the proximity tracts within the proposed spacing unit. Also to be considered will be the cost of drilling and completing said wells, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Marathon as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 3.5 miles northwest of Loving, NM. #580063, Current Argus, August 17, 2023

KATHLEEN ALLEN
Notary Public
State of Wisconsin

Ad # 0005800063
PO #: 23755
of Affidavits 1

This is not an invoice



**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**APPLICATION OF MARATHON OIL PERMIAN
LLC FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO**

CASE NO. 23755

SELF AFFIRMED DECLARATION OF GREG BURATOWSKI

Greg Buratowski hereby states and declares as follows:

1. I am over the age of 18, I am a geologist for Marathon Oil Permian LLC (“Marathon”), and have personal knowledge of the matters stated herein. I have previously testified before the Oil Conservation Division (“Division”) and my credentials as an expert petroleum geologist were accepted by the Division as a matter of record.

2. My area of responsibility at Marathon includes the area of Eddy County in New Mexico.

3. I am familiar with the application filed by Marathon in this case.

4. **Exhibit C.1** is a locator map showing the approximate location of the proposed unit in relation to the Capitan Reef.

5. **Exhibit C.2** is a wellbore schematic showing Marathon’s development plan.

6. **Exhibits C.3** through **C.6** are the geology study I prepared for the Decimus Fed Com 701H, Decimus Fed Com 702H, Decimus Fed Com 703H, and Decimus Fed Com 704H wells, which will target the Wolfcamp XY formation.

7. **Exhibit C.3** is a structure map of the top of the Wolfcamp formation. The proposed spacing unit is identified by a black dashed box. The proposed Wolfcamp XY wells are identified

by red lines. The contour interval used in this exhibit is 25 feet. This exhibit shows that the structure dips gently to the southeast.

8. **Exhibit C.4** is a cross-section reference map that identifies three wells in the vicinity of the proposed wells, shown by a line of cross-section running from A to A'.

9. **Exhibit C.5** is a stratigraphic cross-section, and the well logs shown on the cross-section give a representative sample of the Wolfcamp XY formation in the area.

10. **Exhibit C.6** is a Gross Interval Isochore for the top of the Wolfcamp to the top of the Wolfcamp B. The gross interval thickness increases to the southeast.

11. **Exhibits C.7 through C.10** are the geology study I prepared for the Decimus Fed Com 801H, Decimus Fed Com 802H, Decimus Fed Com 803H, and Decimus Fed Com 804H wells, which will target the Wolfcamp C formation.

12. **Exhibit C.7** is a structure map of the Wolfcamp C formation. The proposed spacing unit is identified by a black dashed box. The proposed Wolfcamp C wells are identified by the redlines. The contour interval used in this exhibit is 25 feet. This exhibit shows that the structure dips gently to the southeast.

13. **Exhibit C.8** is a cross-section reference map that identifies three wells in the vicinity of the proposed wells, shown by a line of cross-section running from A to A'.

14. **Exhibit C.9** is a stratigraphic cross-section, and the well logs shown on the cross-section give a representative sample of the Wolfcamp formation in the area.

15. **Exhibit C.10** is a Gross Interval Isochore map from the top of the Wolfcamp C to the top of the Wolfcamp D. The gross interval thickness increases to the south.

16. I conclude from the geology studies referenced above that:

- a. The horizontal spacing unit is justified from a geologic standpoint.

- b. There are no structural impediments or faulting that will interfere with horizontal development.
- c. Each quarter section in the proposed unit will contribute more or less equally to production.

17. **Exhibit C.11** provides an overview of the stress orientation in the area based on the 2018 Snee-Zoback paper.

18. The preferred well orientation in this area is either west/east or north/south, optimal for induced fracture propagation. This is because the S_{Hmax} is at approximately 45 degrees NE in this area of Eddy County. As a result, hydraulic fractures will prefer to propagate at 45 degrees, regardless of west/east or north/south well orientation.

19. In my opinion, the granting of Marathon's application is in the interests of conservation and the prevention of waste.

20. The attachments to this declaration were prepared by me, or compiled from company business records, or were prepared at my direction.

[Signature page follows]

I attest under penalty of perjury under the laws of the State of New Mexico that the information provided herein is correct and complete to the best of my knowledge and belief.

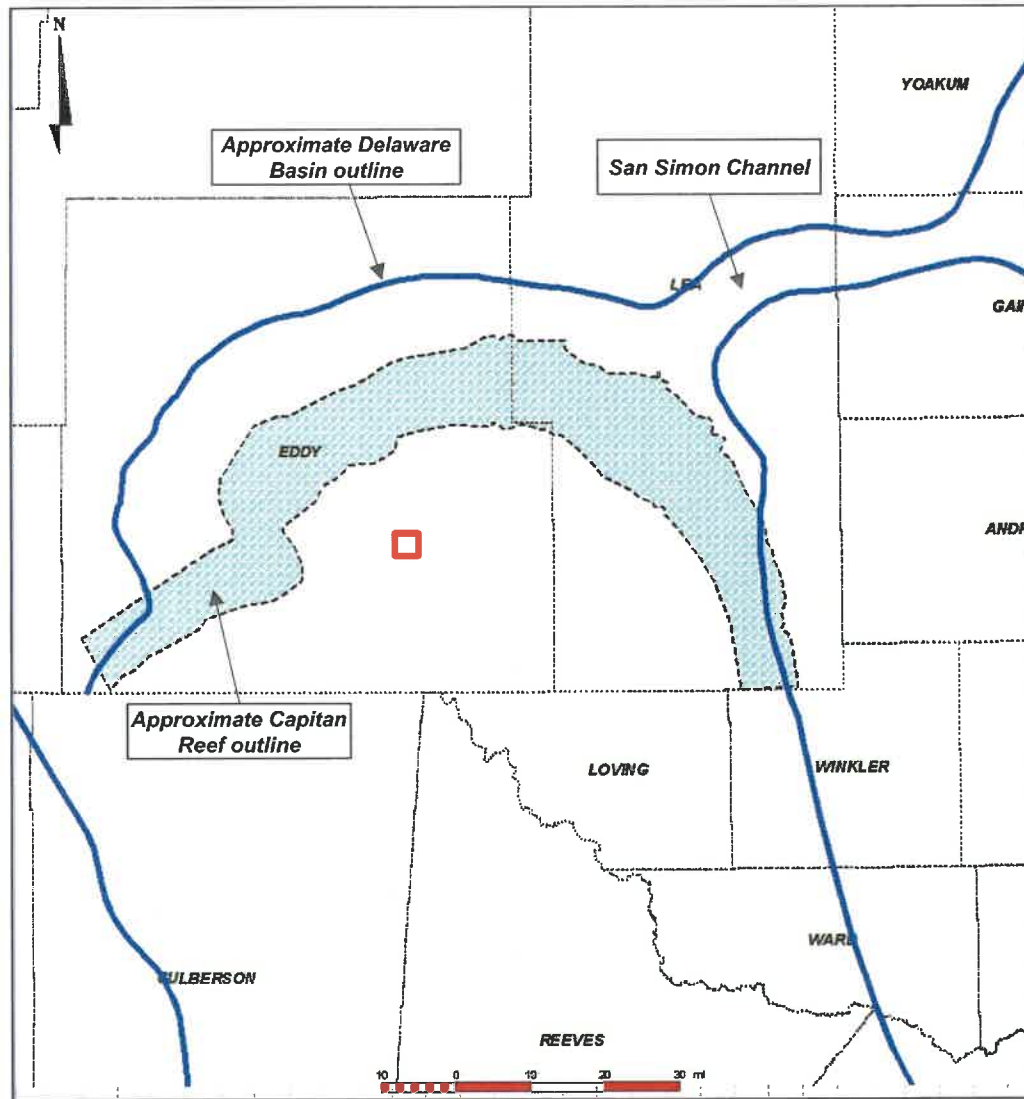
Dated: October 3, 2023



Greg Buratowski

Decimus Federal Com Unit

Locator Map



- Approximate location of proposed Decimus Federal Com well locations shown with red box
- Located outside of the Capitan Reef
- Mid-eastern Eddy County



Decimus Federal Com Unit

Wellbore Schematic

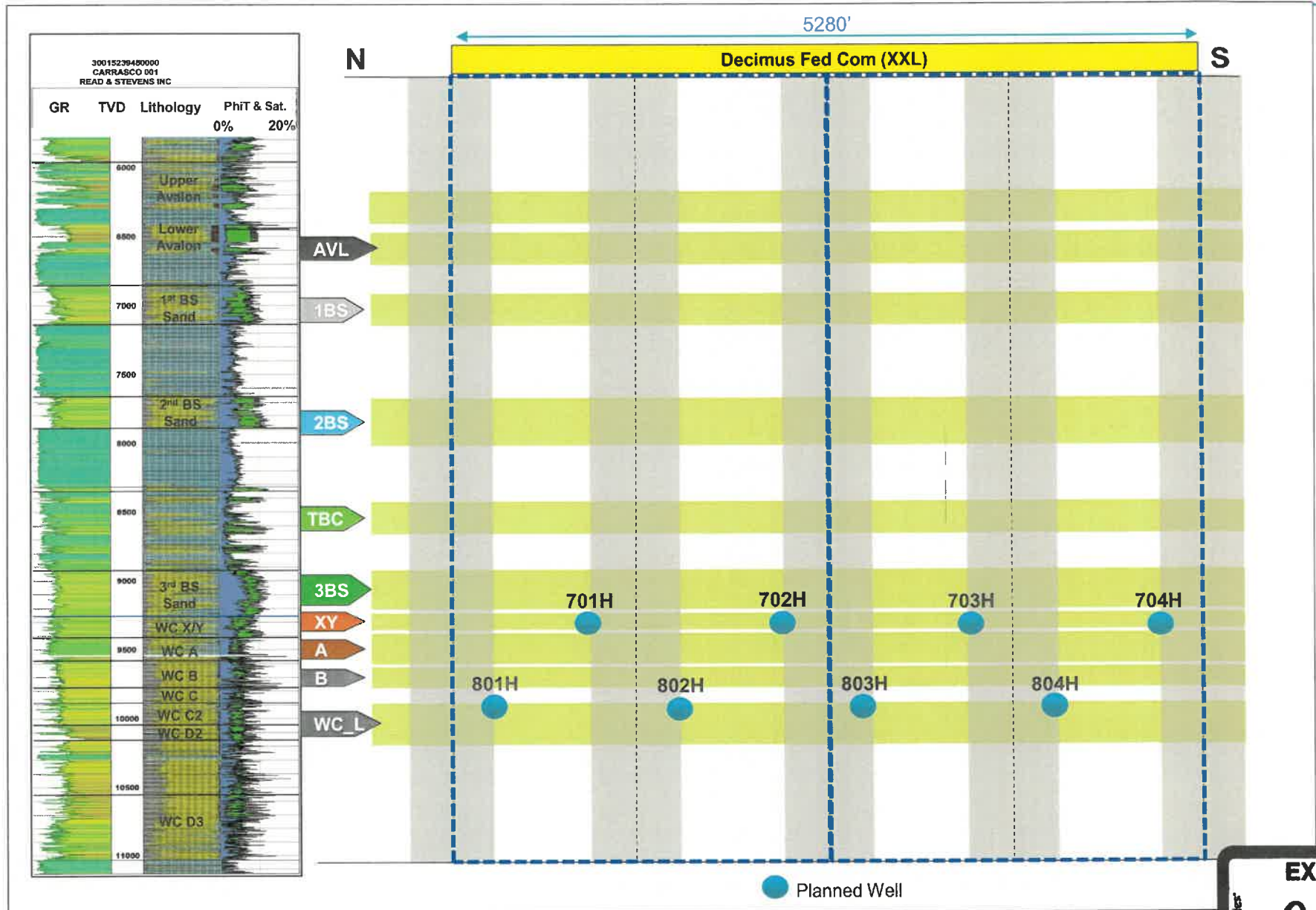
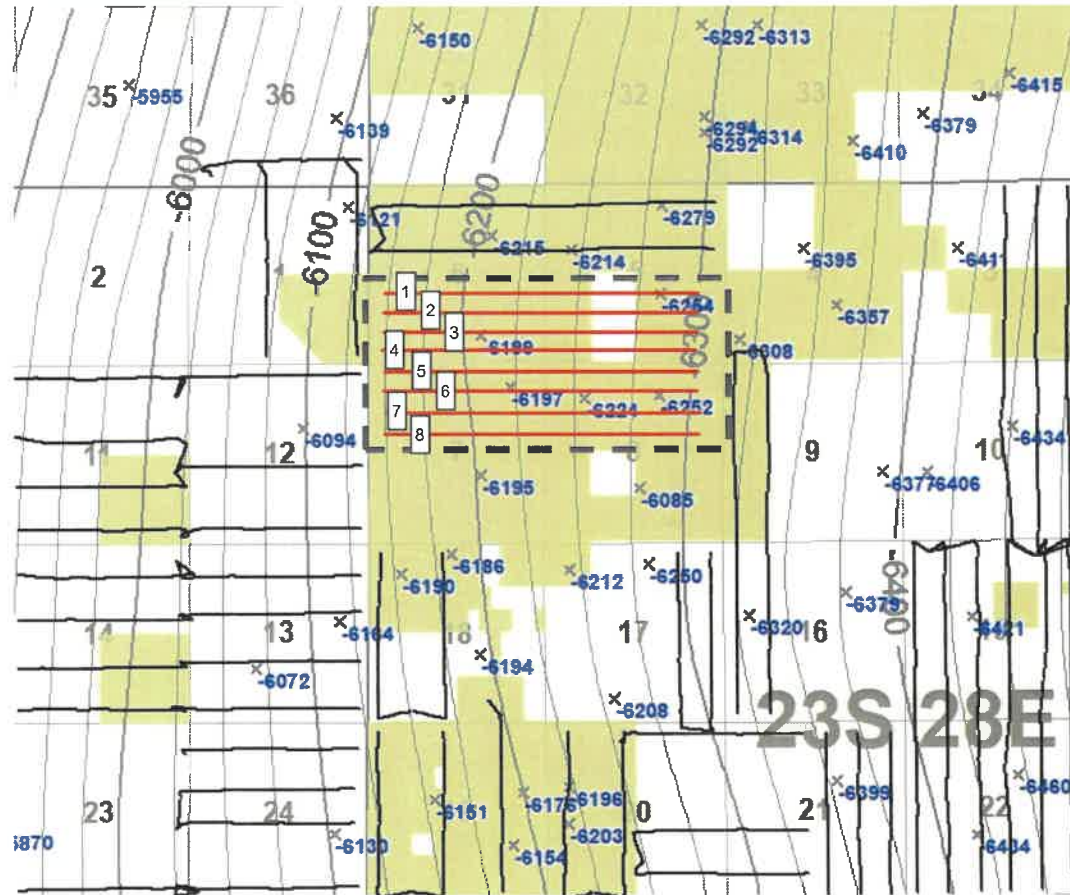


EXHIBIT
C.2

Decimus Federal Com Unit

Structure Map – Top of Wolfcamp (TV DSS)



- 1 Decimus Federal Com 801H
- 2 Decimus Federal Com 701H
- 3 Decimus Federal Com 802H
- 4 Decimus Federal Com 702H
- 5 Decimus Federal Com 803H
- 6 Decimus Federal Com 703H
- 7 Decimus Federal Com 804H
- 8 Decimus Federal Com 704H

Map Legend*

- Proposed Wells
- Existing Wolfcamp XY wells
- MRO Acreage
- Project Area

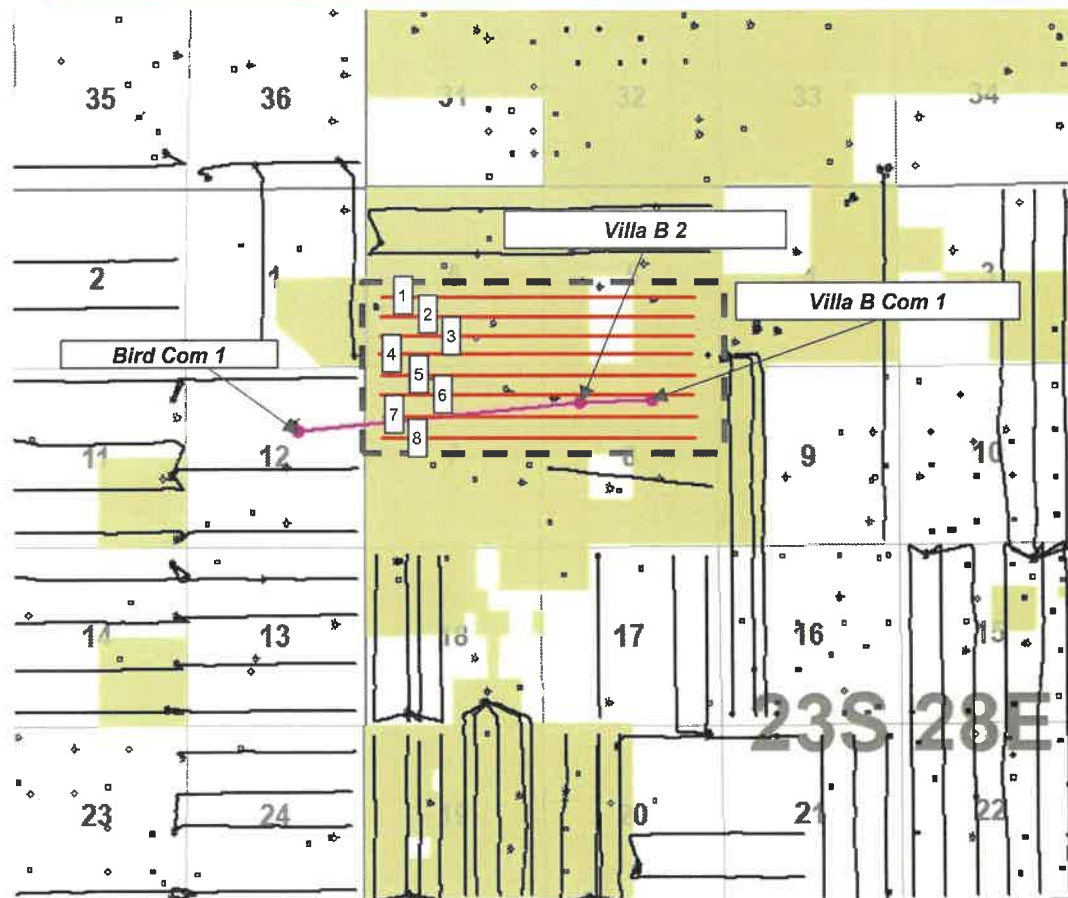
The top of the Wolfcamp dips towards the east.

C.I. = 25' 1 mile



Decimus Federal Com Unit

Reference Map for Cross Section



- 1 Decimus Federal Com 801H
- 2 Decimus Federal Com 701H
- 3 Decimus Federal Com 802H
- 4 Decimus Federal Com 702H
- 5 Decimus Federal Com 803H
- 6 Decimus Federal Com 703H
- 7 Decimus Federal Com 804H
- 8 Decimus Federal Com 704H

Map Legend*

- Proposed Wells
- Existing Wolfcamp wells
- MRO Acreage
- Project Area

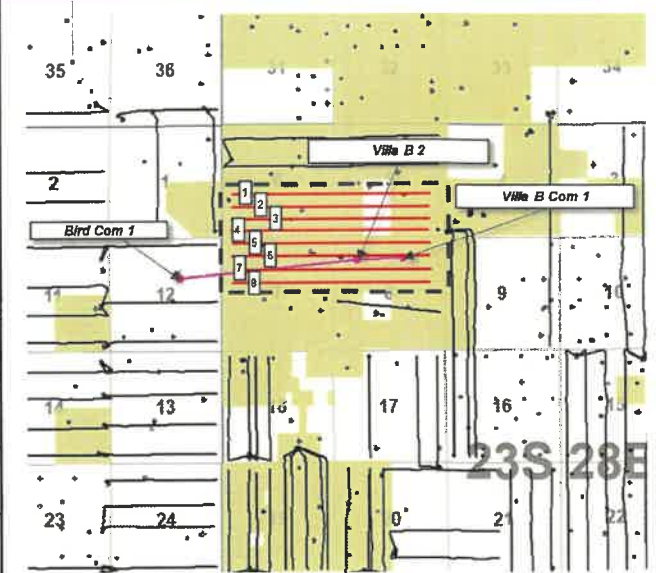
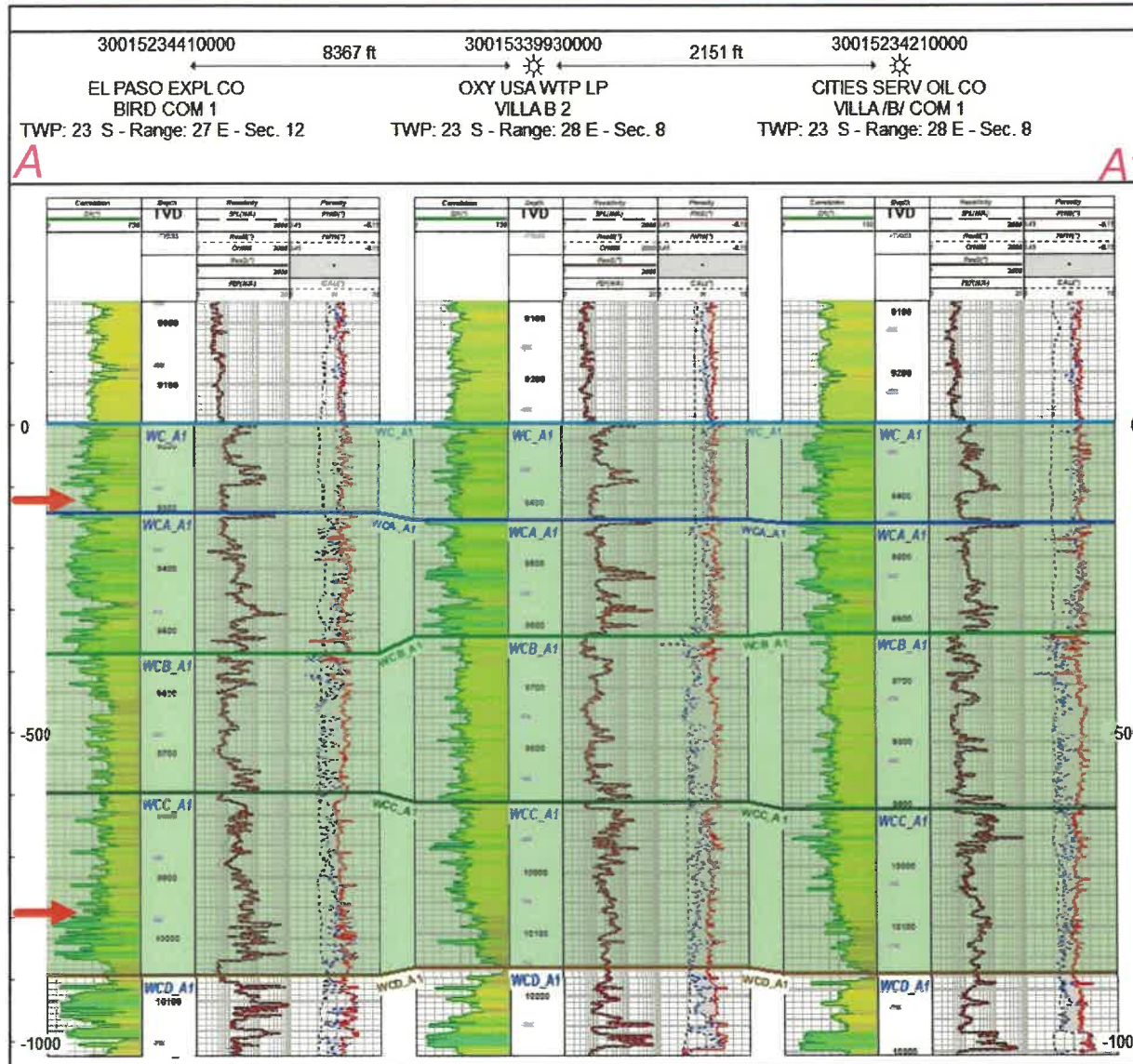
C.I. = 25'

1 mile



Decimus Federal Com Unit

Stratigraphic Cross Section (Top Wolfcamp Datum)



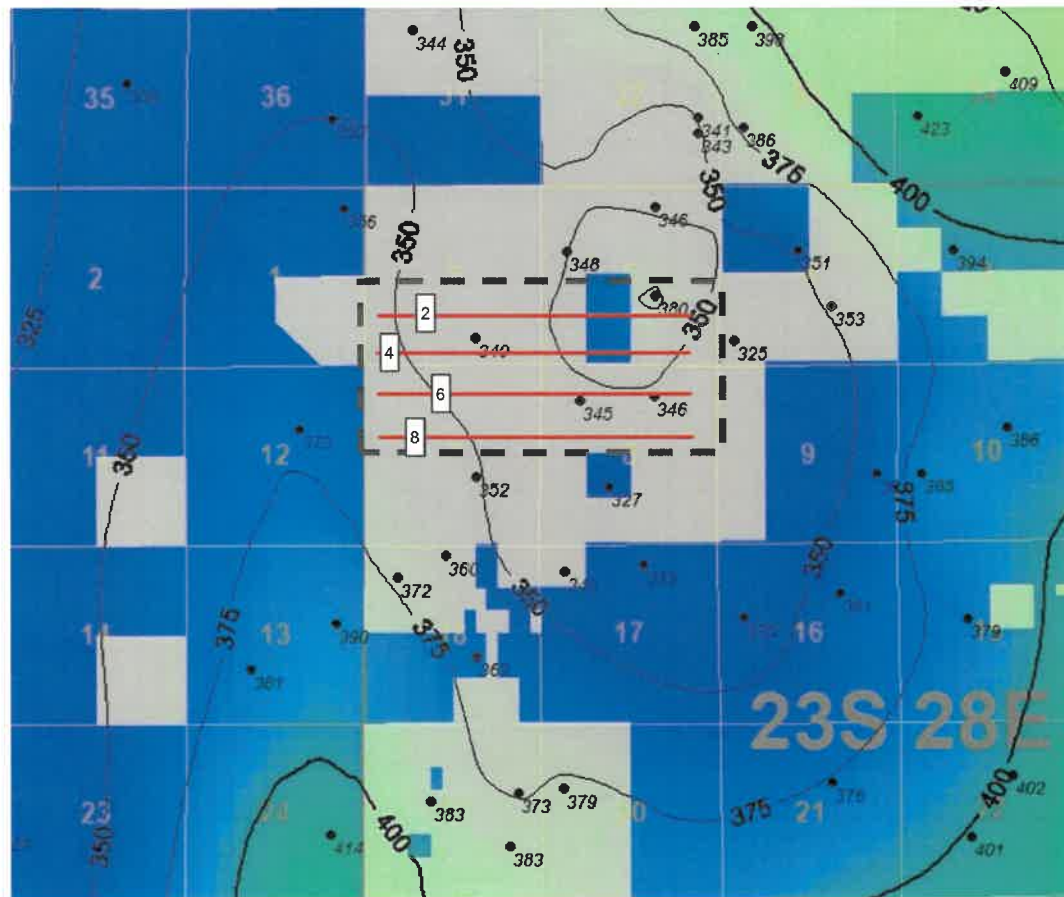
Producing Zone - Wolfcamp

EXHIBIT
C. S



Decimus Federal Com Unit

Gross Interval Isochore – Top Wolfcamp to Top Wolfcamp B



- 2 Decimus Federal Com 701H
- 4 Decimus Federal Com 702H
- 6 Decimus Federal Com 703H
- 8 Decimus Federal Com 704H

C.I. = 25'

1 mile

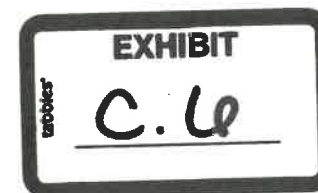
Map Legend*

Proposed Upper Wolfcamp Wells



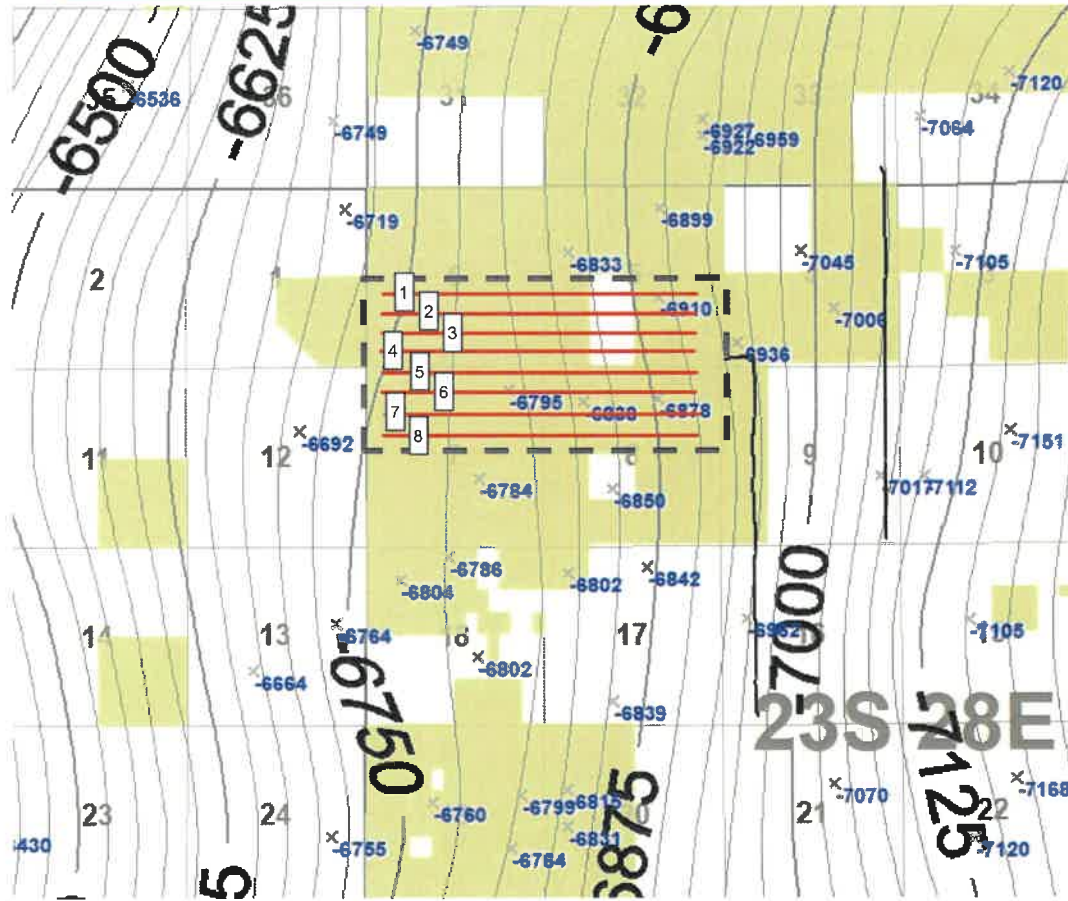
MRO Acreage Project Area

Upper Wolfcamp has consistent thickens across unit



Decimus Federal Com Unit

Structure Map – Top of Wolfcamp C (TVDSS)

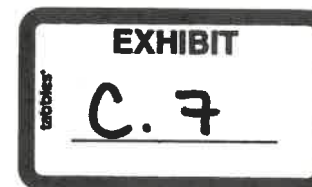


- 1 Decimus Federal Com 801H
- 2 Decimus Federal Com 701H
- 3 Decimus Federal Com 802H
- 4 Decimus Federal Com 702H
- 5 Decimus Federal Com 803H
- 6 Decimus Federal Com 703H
- 7 Decimus Federal Com 804H
- 8 Decimus Federal Com 704H

Map Legend*

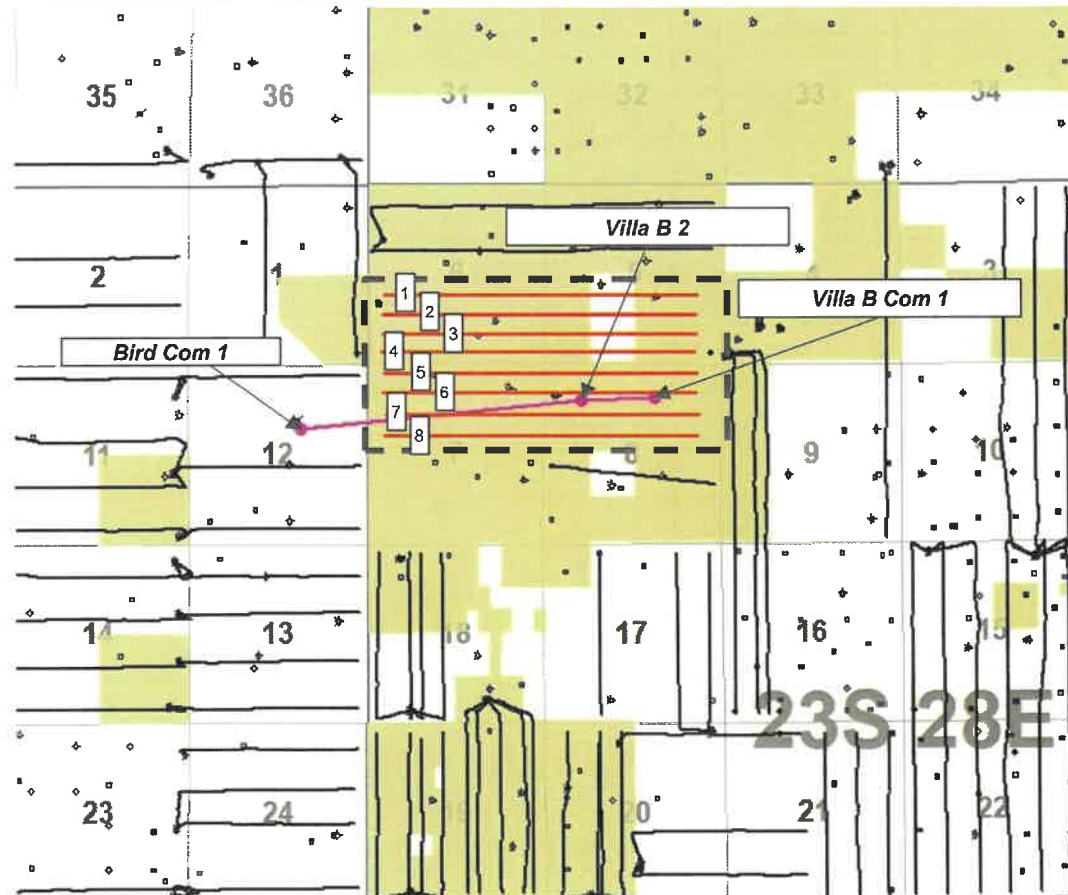
- Proposed Wells
- Existing Wolfcamp C wells
- MRO Acreage
- Project Area

The top of the Wolfcamp C dips towards the east.



Decimus Federal Com Unit

Reference Map for Cross Section



- 1 Decimus Federal Com 801H
- 2 Decimus Federal Com 701H
- 3 Decimus Federal Com 802H
- 4 Decimus Federal Com 702H
- 5 Decimus Federal Com 803H
- 6 Decimus Federal Com 703H
- 7 Decimus Federal Com 804H
- 8 Decimus Federal Com 704H

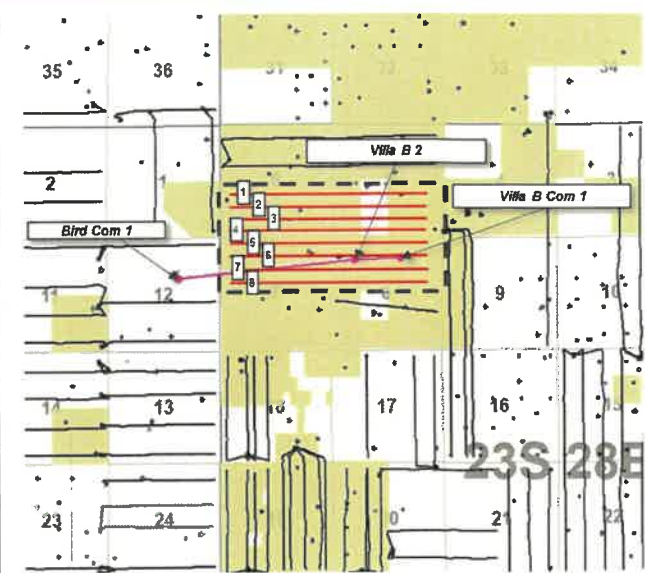
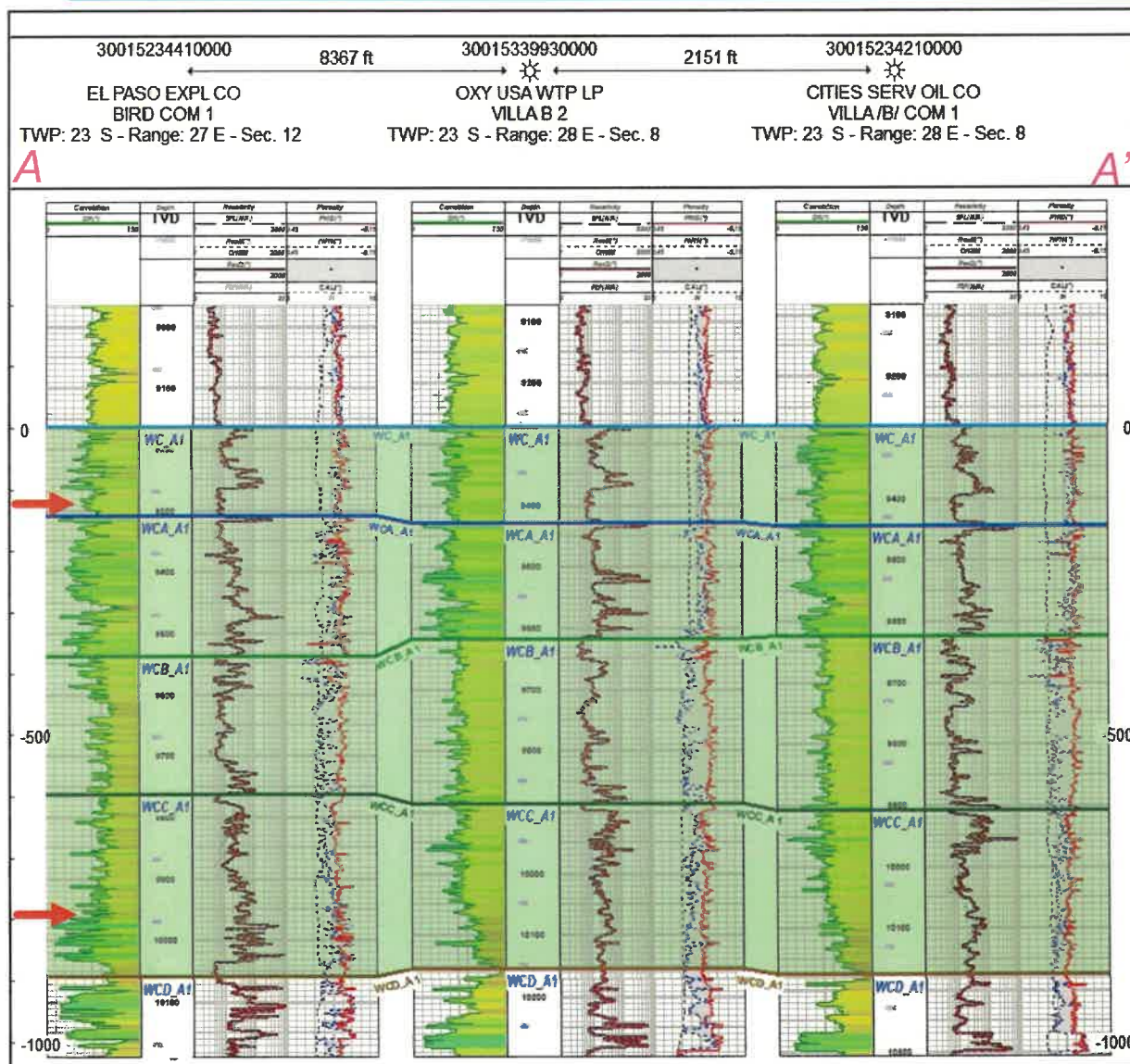
Map Legend*

- Proposed Wells
- Existing Wolfcamp wells
- MRO Acreage
- Project Area



Decimus Federal Com Unit

Stratigraphic Cross Section (Top Wolfcamp Datum)



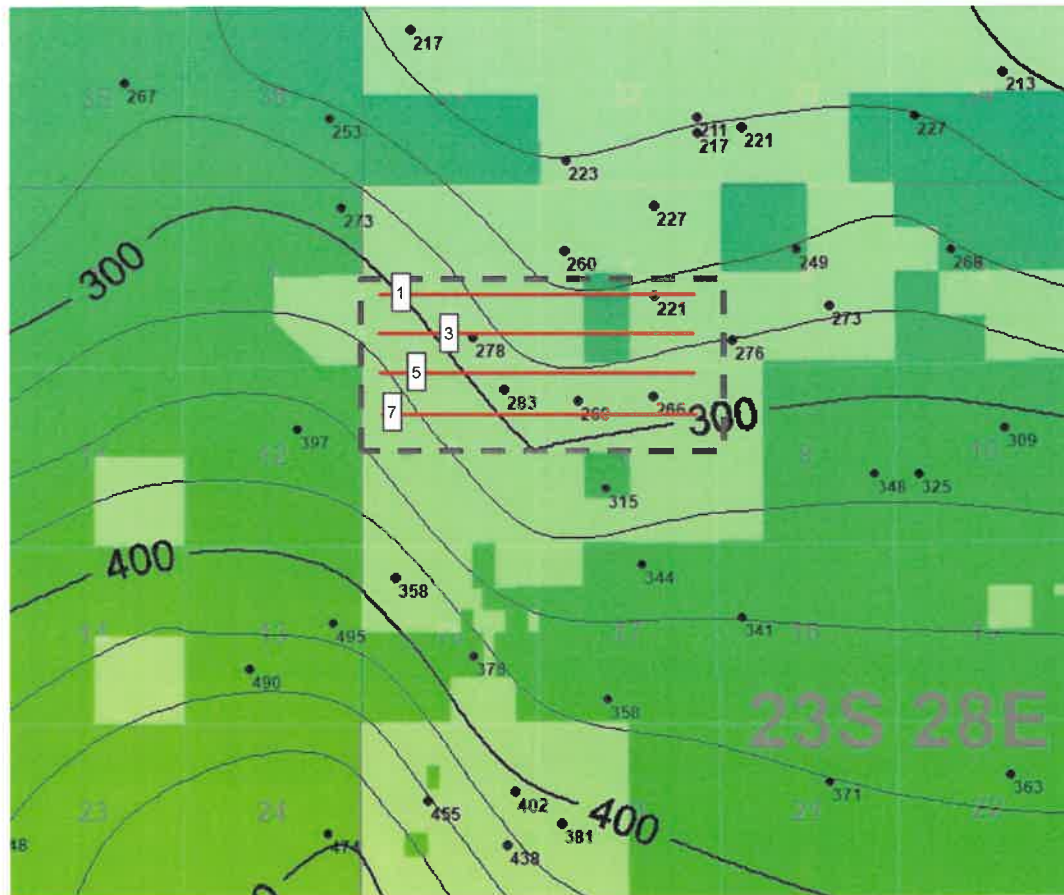
Producing Zone – Wolfcamp

EXHIBIT
C.9



Decimus Federal Com Unit

Gross Interval Isochore – Top Wolfcamp C to Top Wolfcamp D



- 1 Decimus Federal Com 801H
- 3 Decimus Federal Com 802H
- 5 Decimus Federal Com 803H
- 7 Decimus Federal Com 804H

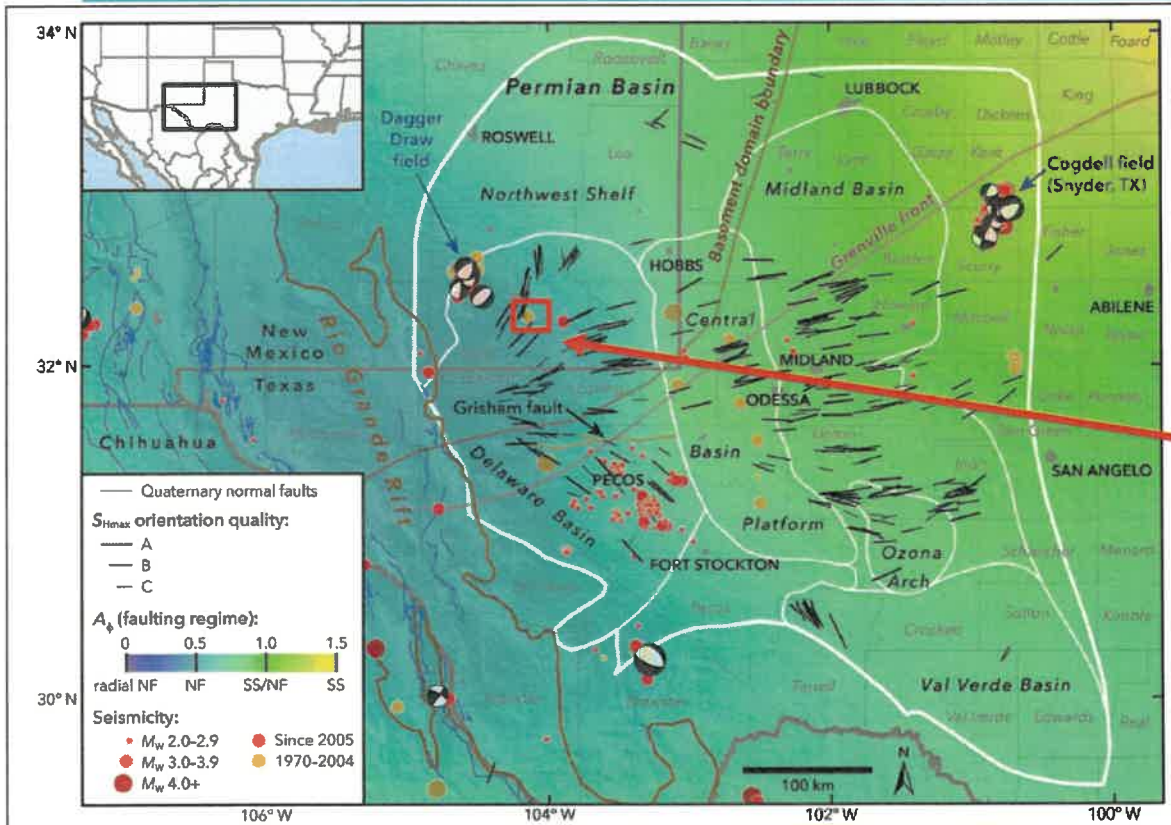
Map Legend*

- Proposed Wolfcamp C Wells
- MRO Acreage
- Project Area
- Wolfcamp C has consistent thickness across proposed unit*



Decimus Federal Com Unit

Preferred Well Orientation - SHmax



Preferred well orientation is either N/S or E/W

As outlined in Snee & Zoback (2018), S_{Hmax} is at approximately 45° in this part of Eddy Count. As a result, hydraulic fractures will prefer to propagate outwards at 45° regardless if wells are oriented N/S or E/W.

Figure 1. State of stress in the Permian Basin, Texas and New Mexico. Black lines are the measured orientations of the maximum horizontal stress (S_{Hmax}), with line length scaled by data quality. The colored background is an interpolation of measured relative principal stress magnitudes (faulting regime) expressed using the A_1 parameter (see text for details) of Simpson (1997). Blue lines are fault traces known to have experienced normal-sense offset within the past 1.6 Ma, from the USGS Quaternary Faults and Folds Database (Crone and Wheeler, 2000). The boundary between the Shawnee and Mazatzal basement domains is from Lund et al. (2015), and the Precambrian Grenville Front is from Thomas (2006). The Permian Basin boundary is from the U.S. Energy Information Administration, and the subs basin boundaries are from the Texas Bureau of Economic Geology Permian Basin Geological Synthesis Project. Earthquakes are from the USGS National Earthquake Information Center, the TextNet Seismic Monitoring Program, and Gan and Frohlich (2013). Focal mechanisms are from Saint Louis University (Herrmann et al., 2011).

Source:

Snee, J.L. & M.D. Zoback, 2018, State of stress in the Permian Basin, Texas and New Mexico: Implications for induced seismicity: The Leading Edge, 810-819, <https://doi.org/10.1190/tle37020810.1>.

