

DOWNHOLE COMMINGLE  
MAMMOTH 1 TB FEDERAL COM 1H

Marathon Oil Permian LLC is requesting to downhole commingle the following pools at the Mammoth 1 TB Federal Com 1H well.

Pool Name	Pool Code
<b>Hardin Tank; Bone Spring</b>	96661
<b>Harding Tank; Wolfcamp</b>	96658

The downhole commingle will follow regulations stated in 19.15.12.11 NMAC:

1. Fluids from each pool are compatible and combining the fluids will not damage the pools.
2. Commingling will not jeopardize the efficiency of present or future secondary recovery operations in the pools
3. Bottom perforation of lower zone is within 150% of the depth of the top perforation in the upper zone and the lower zone is at or below normal pressure
4. The commingling will not result in the permanent loss of reserves due to cross-flow in the well bore.
5. Fluid-sensitive formations that may be subject to damage from water or other produced liquids are protected from contact with the liquids produced from other pools in the well.
6. If any of the pools being commingled is prorated, or the well's production has been restricted by division order in any manner, the allocated production from each producing pool in the commingled well bore shall not exceed the top oil or gas allowable rate for a well in that pool or rate restriction applicable to the well.
7. The commingling will not reduce the value of the total remaining production.
8. Correlative rights will not be violated.

DOWNHOLE COMMINGLE  
MAMMOTH 1 TB FEDERAL COM 1H

Attachments:

Admin Checklist  
C-107A Form  
C-102 Forms  
Production and Allocation Calculations  
Public Data Oil Rates  
Oil Type Curves  
Lease Maps

RECEIVED:	REVIEWER:	TYPE:	APP NO:
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
 - Geological & Engineering Bureau -  
 1220 South St. Francis Drive, Santa Fe, NM 87505



**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Applicant:** Marathon Oil Permian LLC **OGRID Number:** 372098  
**Well Name:** Mammoth 1 TB Federal Com 1H **API:** 30-025-46127 **+**  
**Pool:** Hardin Tank; Bone Spring & Harding Tank; Wolfcamp **Pool Code:** 98285; 96658

**SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW**

- 1) **TYPE OF APPLICATION:** Check those which apply for [A]  
 A. Location – Spacing Unit – Simultaneous Dedication  
 NSL       NSP (PROJECT AREA)       NSP (PRORATION UNIT)       SD
- B. Check one only for [ I ] or [ II ]  
 [ I ] Commingling – Storage – Measurement  
 DHC     CTB     PLC     PC     OLS     OLM  
 [ II ] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery  
 WFX     PMX     SWD     IPI     EOR     PPR

<b>FOR OCD ONLY</b>	
<input type="checkbox"/>	Notice Complete
<input type="checkbox"/>	Application Content Complete

- 2) **NOTIFICATION REQUIRED TO:** Check those which apply.  
 A.  Offset operators or lease holders  
 B.  Royalty, overriding royalty owners, revenue owners  
 C.  Application requires published notice  
 D.  Notification and/or concurrent approval by SLO  
 E.  Notification and/or concurrent approval by BLM  
 F.  Surface owner  
 G.  For all of the above, proof of notification or publication is attached, and/or,  
 H.  No notice required

3) **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

**Note: Statement must be completed by an individual with managerial and/or supervisory capacity.**

Adrian Covarrubias  
\_\_\_\_\_

Print or Type Name

\_\_\_\_\_

Signature

4/18/2022  
\_\_\_\_\_

Date

713-296-3368  
\_\_\_\_\_

Phone Number

acovarrubias@marathonoil.com  
\_\_\_\_\_

e-mail Address

District I  
1625 N. French Drive, Hobbs, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107A  
Revised August 1, 2011

District II  
811 S. First St., Artesia, NM 88210

**Oil Conservation Division**  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

APPLICATION TYPE  
 Single Well  
 Establish Pre-Approved Pools  
EXISTING WELLBORE  
 Yes  No

District III  
1000 Rio Brazos Road, Aztec, NM 87410

District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

**APPLICATION FOR DOWNHOLE COMMINGLING**

Marathon Oil Permian LLC 990 Town & Country Blvd., Houston, TX 77024  
Operator Address  
Mammoth 1 TB Federal Com 1H N-Sec 1- T26S - R34E Lea  
Lease Well No. Unit Letter-Section-Township-Range County  
OGRID No. 372098 Property Code 325751 API No. 30-025-46127 Lease Type:  Federal  State  Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	HARDIN TANK; BONE SPRING		HARDIN TANK; WOLFCAMP
Pool Code	96661		96658
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	12,166' - 14,912' MD and 15,309' - 22,618' MD		14,912' - 15,309' MD
Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	8800 psi		8820 psi
Oil Gravity or Gas BTU (Degree API or Gas BTU)	43 API		43 API
Producing, Shut-In or New Zone	NEW ZONE		NEW ZONE
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: Rates: Oil: 2,315 bbl/d Water: <input checked="" type="checkbox"/>	Date: Rates:	Date: Rates: Oil: 87 bbl/d Water: 187 <input checked="" type="checkbox"/>
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil 97 % Gas 97 %	Oil % Gas %	Oil 3 % Gas 3 %

**ADDITIONAL DATA**

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes  No   
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes  No   
Are all produced fluids from all commingled zones compatible with each other? Yes  No   
Will commingling decrease the value of production? Yes  No   
If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes  No   
NMOCD Reference Case No. applicable to this well: \_\_\_\_\_

**Attachments:**

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

**PRE-APPROVED POOLS**

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Adrian Covarrubias TITLE Regulatory Professional DATE 4/18/2022

TYPE OR PRINT NAME Adrian Covarrubias TELEPHONE NO. (713) 296-3368

E-MAIL ADDRESS acovarrubias@marathonoil.com

1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 334-0720  
**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

Revised August 1, 2011  
Submit one copy to appropriate  
District Office

AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION AS-DRILLED PLAT**

<sup>1</sup> API Number <b>30-025-46127</b>		<sup>2</sup> Pool Code <b>96661</b>		<sup>3</sup> Pool Name <b>Hardin Tank; Bone Spring</b>	
<sup>4</sup> Property Code <b>325751</b>		Property Name <b>Mammoth 1 TB FED COM</b>			<sup>6</sup> Well Number <b>1H</b>
<sup>7</sup> OGRID No. <b>372098</b>		<sup>8</sup> Operator Name <b>MARATHON OIL PERMIAN LLC</b>			<sup>9</sup> Elevation <b>3281'</b>

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>N</b>	<b>1</b>	<b>26S</b>	<b>34E</b>		<b>448</b>	<b>SOUTH</b>	<b>1509</b>	<b>WEST</b>	<b>LEA</b>

<sup>11</sup> 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
<b>D</b>	<b>36</b>	<b>25S</b>	<b>34E</b>		<b>101</b>	<b>NORTH</b>	<b>825</b>	<b>WEST</b>	<b>LEA</b>

<sup>12</sup> Dedicated Acres <b>320.0</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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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.

**Infll Well**

**LTP/BHL**

**SHL**

SECTION 25, SECTION 30, SECTION 31, SECTION 35, SECTION 36, SECTION 1, SECTION 2, SECTION 6, SECTION 7, SECTION 12

101', 825', 495', 412', 517', 502', 1509', 818', 122', 448'

Nearest to the Lease Line MD=16,460'

Furthest from the Lease Line MD=13,250'

<sup>17</sup> 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]* **4/18/2022**

Signature Date

**Adrian Covarrubias**

Printed Name

E-mail Address

<sup>18</sup> SURVEYOR CERTIFICATION

I hereby certify that the well surface location shown on this plat was plotted from field notes of the as-staked surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Data used for underground measurements were provided by others for reference only and does not constitute field measurements performed by R-Squared Global.

**MARCH 24, 2020**

Date of Survey

Signature and Seal of Professional Surveyor

*[Signature]*

Certificate Number

**DAVID W. MYERS**  
NEW MEXICO  
PROFESSIONAL SURVEYOR  
11403

**CORNER COORDINATES NAD 83, SPCS NM EAST**  
A - X: 820492.21' / Y: 388613.44'  
B - X: 820398.92' / Y: 399168.72'  
C - X: 821719.36' / Y: 399176.25'  
D - X: 821812.29' / Y: 388620.42'

**CORNER COORDINATES NAD 27, SPCS NM EAST**  
A - X: 779304.71' / Y: 388555.97'  
B - X: 779211.91' / Y: 399110.96'  
C - X: 780532.33' / Y: 399118.48'  
D - X: 780624.78' / Y: 388562.93'

**LAST TAKE POINT/BOTTOM HOLE LOCATION**  
101' FNL 825' FWL, SECTION 36  
22618' MEASURED DEPTH IN FEET  
**NAD 83, SPCS NM EAST**  
X: 821225.00' / Y: 399072.31'  
LAT: 32.09390486N / LON: 103.42952975W  
**NAD 27, SPCS NM EAST**  
X: 780037.97' / Y: 399014.55'  
LAT: 32.09377917N / LON: 103.42906444W

**KICK OFF POINT/FIRST TAKE POINT**  
122' FSL 818' FWL, SECTION 1  
11898' MEASURED DEPTH IN FEET  
**NAD 83, SPCS NM EAST**  
X: 821309.08' / Y: 388739.52'  
LAT: 32.06550194N / LON: 103.42953780W  
**NAD 27, SPCS NM EAST**  
X: 780121.57' / Y: 388682.03'  
LAT: 32.06537610N / LON: 103.42907418W

**SURFACE HOLE LOCATION**  
448' FSL 1509' FWL, SECTION 1  
**NAD 83, SPCS NM EAST**  
X: 821996.71' / Y: 389069.70'  
LAT: 32.06639364N / LON: 103.42730928W  
**NAD 27, SPCS NM EAST**  
X: 780809.21' / Y: 389012.20'  
LAT: 32.06626777N / LON: 103.42684568W

Distances/areas relative to NAD 83 Combined Scale Factor: 0.99985482 Convergence Angle: 00°29'26.29720"

1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
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1220 South St. Francis Dr.  
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Revised August 1, 2011  
Submit one copy to appropriate  
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AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION AS-DRILLED PLAT**

<sup>1</sup> API Number <b>30-025-46127</b>		<sup>2</sup> Pool Code <b>96658</b>		<sup>3</sup> Pool Name <b>Hardin Tank; Wolfcamp</b>	
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<sup>7</sup> OGRID No. <b>372098</b>		<sup>8</sup> Operator Name <b>MARATHON OIL PERMIAN LLC</b>			<sup>9</sup> Elevation <b>3281'</b>

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<b>N</b>	<b>1</b>	<b>26S</b>	<b>34E</b>		<b>448</b>	<b>SOUTH</b>	<b>1509</b>	<b>WEST</b>	<b>LEA</b>

<sup>11</sup> 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
<b>D</b>	<b>36</b>	<b>25S</b>	<b>34E</b>		<b>101</b>	<b>NORTH</b>	<b>825</b>	<b>WEST</b>	<b>LEA</b>

<sup>12</sup> Dedicated Acres <b>640.0</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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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.

**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]* **4/18/2022**  
Signature Date

**Adrian Covarrubias**  
Printed Name

E-mail Address

**18 SURVEYOR CERTIFICATION**

I hereby certify that the well surface location shown on this plat was plotted from field notes of the as-staked surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Data used for underground measurements were provided by others for reference only and does not constitute field measurements performed by R-Squared Global.

**MARCH 24, 2020**  
Date of Survey

*[Signature]*  
Signature and Seal of Professional Surveyor

*[Seal: DAVID W. MYERS, NEW MEXICO, PROFESSIONAL SURVEYOR, 11403]*

Certificate Number

**CORNER COORDINATES NAD 83, SPCS NM EAST**  
A - X: 820492.21' / Y: 388613.44'  
B - X: 820398.92' / Y: 399168.72'  
C - X: 823039.79' / Y: 399183.78'  
D - X: 823132.38' / Y: 388627.40'

**CORNER COORDINATES NAD 27, SPCS NM EAST**  
A - X: 779304.71' / Y: 388555.97'  
B - X: 779211.91' / Y: 399110.96'  
C - X: 781852.75' / Y: 399126.00'  
D - X: 781944.85' / Y: 388569.90'

**BOTTOM HOLE LOCATION**  
101' FNL 825' FWL, SECTION 36  
22618' MEASURED DEPTH IN FEET  
NAD 83, SPCS NM EAST  
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NAD 27, SPCS NM EAST  
X: 780037.97' / Y: 399014.55'  
LAT: 32.09377917N / LON: 103.42906444W

**LAST TAKE POINT**  
2119' FNL 851' FWL, SECTION 1  
15309' MEASURED DEPTH IN FEET  
NAD 83, SPCS NM EAST  
X: 821309.81' / Y: 391772.81'  
LAT: 32.07383933N / LON: 103.42945341W  
NAD 27, SPCS NM EAST  
X: 780122.45' / Y: 391715.24'  
LAT: 32.07371352N / LON: 103.42898930W

**FIRST TAKE POINT**  
2516' FNL 850' FWL, SECTION 1  
14912' MEASURED DEPTH IN FEET  
NAD 83, SPCS NM EAST  
X: 821313.80' / Y: 391376.20'  
LAT: 32.07274911N / LON: 103.42945126W  
NAD 27, SPCS NM EAST  
X: 780126.42' / Y: 391318.65'  
LAT: 32.07262330N / LON: 103.42898721W

**KICK OFF POINT**  
122' FSL 818' FWL, SECTION 1  
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LAT: 32.06626777N / LON: 103.42684568W

Distances/areas relative to NAD 83 Combined Scale Factor: 0.99985482 Convergence Angle: 00°29'26.29720"

## Production and Allocation Calculations:

LTP: 22,618'

FTP: 12,166'

TOTAL: 22,618' – 12,166' = 10,452'

Wolfcamp: 14,912' - 15,309' = 397'

397' / 10,452' = **3.8% IN WOLFCAMP ; 96.2% IN BONESPRING**

### *PREDICTIVE PRODUCTION FROM CURVES*

#### **WFMP**

OIL BBL/D: 2,291 x 3.8% = 87 bbl/d

GAS MSCF/D: 2,978 x 3.8% = 113 mscf/d

WATER BBL/D: 4,925 x 3.8% = 187 bbl/d

#### **TBSG**

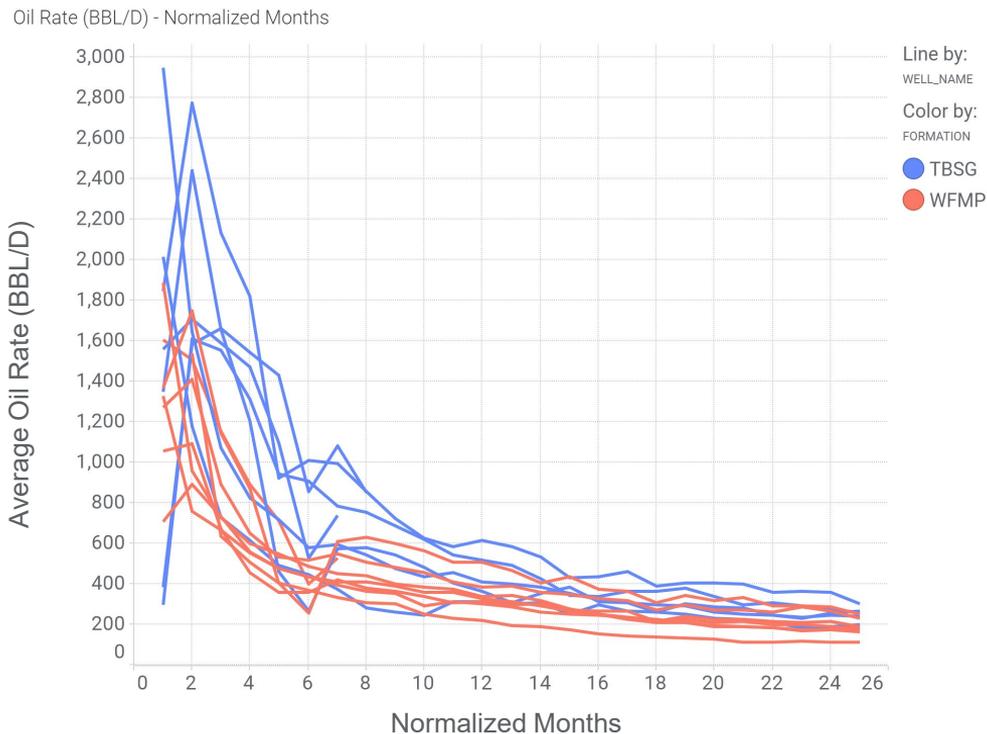
OIL BBL/D: 2,406 x 96.2% = 2,315 bbl/d

GAS MSCF/D: 3,849 x 96.2% = 3,703 mscf/d

WATER BBL/D: 5,413 x 96.2% = 5,207 bbl/d

# Public Data Oil Rates per Bench (Monthly)

Ruby (2-26S-34E) and Billiken (6-26S-35E)



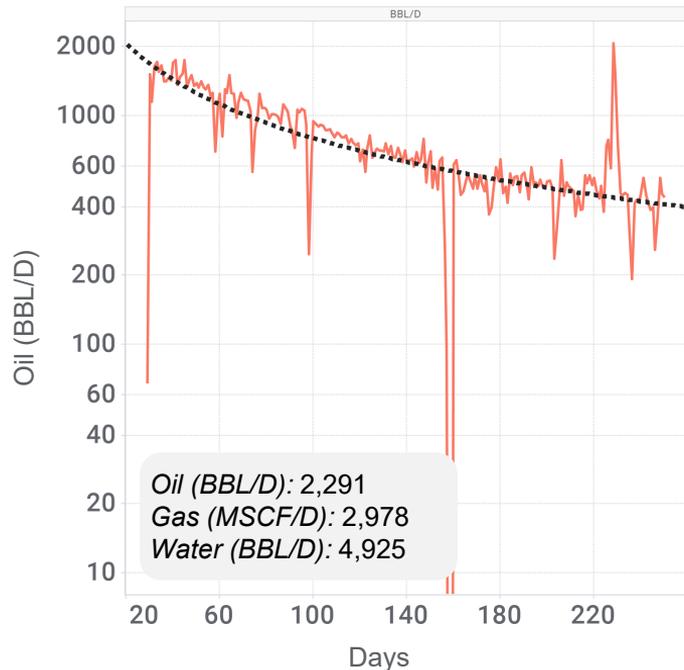
\*Normalized to 10,000' lateral length

# Oil Type Curve

Based on Ruby and Billiken Offsets

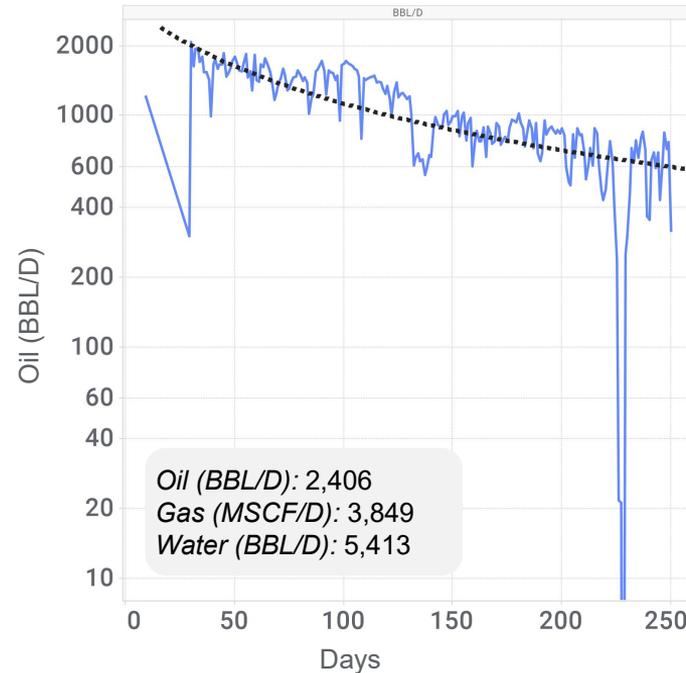
## WFMP

Oil Rate (BBL/D) - Normalized Months



## TBSG

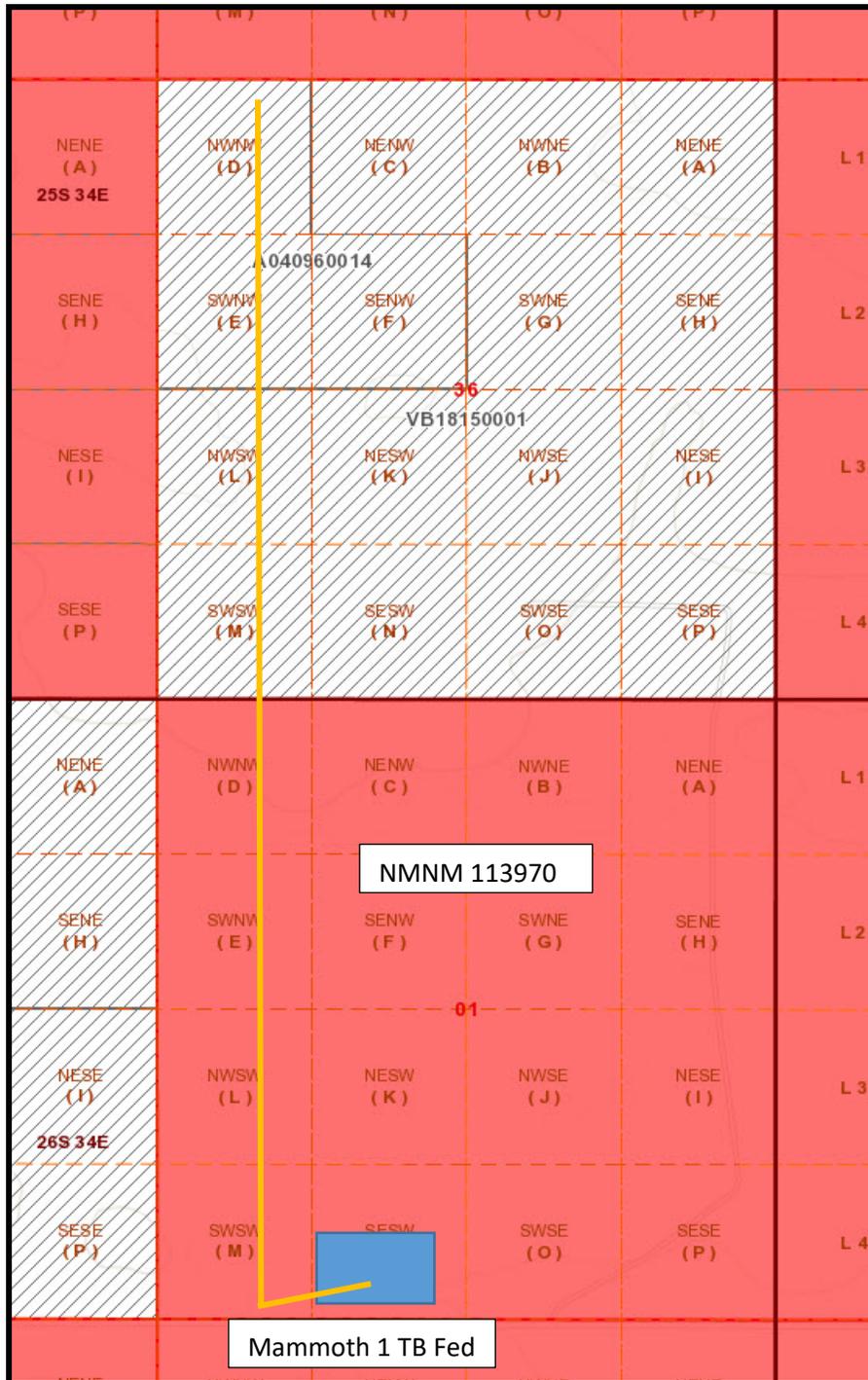
Oil Rate (BBL/D) - Normalized Months



\*Normalized to 10,000' lateral length

Mammoth 1 TB Federal Com 1H

Sec 1 – T26S-R34E & Sec 36 – T25S-R34E



# Affidavit of Publication

STATE OF NEW MEXICO  
COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated  
April 24, 2022  
and ending with the issue dated  
April 24, 2022.



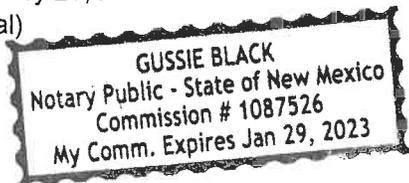
Publisher

Sworn and subscribed to before me this  
24th day of April 2022.



Business Manager

My commission expires  
January 29, 2023  
(Seal)



This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

### LEGAL NOTICE April 24, 2022

**Application of Marathon Oil Permian LLC for downhole commingle:** Notice to all affected parties, as well as the heirs and devisees of: the New Mexico State Land Office; EOG Resources, Inc.; OXY USA Inc.; LJA Charitable Investments, LLC; Pennies From Heaven, LLC c/o Bank of America; Franklin Mountain Royalty Investments, LLC; Monticello Minerals LLC; Rheiner Holdings, LLC; Prevail Energy LLC; Cayuga Royalties, LLC; Cyrene L. Inman, Successor Trustee of the Cyrene L. Inman Trust u/t/a dated 1/26/1994; EMG Oil Properties, Inc.; Oscura Resources, Inc.; Post Oak Crown IV, LLC; Post Oak Crown IV-B, LLC; Good News Minerals, LLC; KMF Land, LLC; Zunis Energy, LLC; Mavros Minerals II, LLC; Oak Valley Mineral and Land, LP; Kaleb Smith; Deane Durham; Mike Moylett; Crown Oil Partners, LP; Collins & Jones Investments, LLC; LMC Energy LLC; Gerald G. Vavrek; Jesse A. Faught, Jr.; H. Jason Wacker; David W. Cromwell; of **Marathon Oil Permian LLC's Application for Downhole Commingle.** Marathon Oil Permian LLC, 990 Town & Country Blvd., Houston, TX 77024 is applying to the New Mexico Oil Conservation Division for administrative approval to downhole commingle according to the provisions of NMAC 19.15.12.11 from the Mammoth 1 TB federal Com 1H well, located in the Hardin Tank; Bone Spring, Pool (96661) and Hardin Tank; Wolfcamp Pool (96658), located in Section 1. T26S-R34E, Lea County, New Mexico. Any objection or requests for a hearing regarding this application must be submitted to the Division's Santa Fe office, 1220 South St. Francis Drive, Santa Fe, New Mexico, 87505 in writing within 20 days from the date the Oil Conservation Division receives Marathon's application. Any interested party with questions or comments may contact Jeff Broussard, jbroussard1@marathonoil.com, 713-296-3159. #37592

01104570

00266051

DOLORES SERNA  
MODRALL, SPERLING, ROEHL, HARRIS &  
P. O. BOX 2168  
ALBUQUERQUE, NM 87103-2168

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  
 04/19/2022

Firm Mailing Book ID: 226447

Line	USPS Article Number	Name, Street, City, State, Zip	Postage	Service Fee	RR Fee	Rest.Del.Fee	Reference Contents
1	9314 8699 0430 0094 5099 33	Marathon Oil Permian LLC 990 Town and Country Boulevard Houston TX 77024	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
2	9314 8699 0430 0094 5099 40	EOG Resources, Inc. P.O. Box 2267 Midland TX 79705	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
3	9314 8699 0430 0094 5099 57	OXY USA Inc. 5 Greenway Plaza, Suite 110 Houston TX 77046	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
4	9314 8699 0430 0094 5099 64	OXY USA Inc. 5 Greenway Plaza, Suite 110 Houston TX 77046	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
5	9314 8699 0430 0094 5099 71	LJA Charitable Investments, LLC P.O. Box 331367 Houston TX 77233	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
6	9314 8699 0430 0094 5099 88	Pennies From Heaven, LLC c/o Bank of America P.O. Box 832407	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
7	9314 8699 0430 0094 5099 95	Franklin Mountain Royalty Investments, LLC 44 Cook Street, Suite 1000 Denver, CO 80206 CO 80206	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
8	9314 8699 0430 0094 5100 07	Monticello Minerals LLC 5528 Vickery Boulevard Dallas TX 57206	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
9	9314 8699 0430 0094 5100 14	Rheiner Holdings, LLC P.O. Box 980552 Houston TX 77098	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
10	9314 8699 0430 0094 5100 21	Prevail Energy LLC 521 Dexter Street Denver CO 80220	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
11	9314 8699 0430 0094 5100 38	Cayuga Royalties, LLC P.O. Box 540711 Houston TX 77254	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
12	9314 8699 0430 0094 5100 45	Cyrene L. Inman, Successor Trustee of the Cyrene L. Inman Trust u/t/a 1/26/94 6844 Rio Grande Boulevard NW Albuquerque NM 87107	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
13	9314 8699 0430 0094 5100 52	EMG Oil Properties, Inc. 1000 West Fourth Street Roswell NM 88201	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
14	9314 8699 0430 0094 5100 69	Oscura Resources, Inc. P.O. Box 2292 Roswell NM 88202	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
15	9314 8699 0430 0094 5100 76	Post Oak Crown IV, LLC 5200 San Felipe Houston TX 77056	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice

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  
 04/19/2022

Firm Mailing Book ID: 226447

Line	USPS Article Number	Name, Street, City, State, Zip	Postage	Service Fee	RR Fee	Rest.Del.Fee	Reference Contents
16	9314 8699 0430 0094 5100 83	Post Oak Crown IV-B, LLC 5200 San Felipe Houston TX 77056	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
17	9314 8699 0430 0094 5100 90	Good News Minerals, LLC P.O. Box 50820 Midland TX 79710	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
18	9314 8699 0430 0094 5101 06	KMF Land, LLC 1144 15th Street, Suite 2650 Denver CO 80202	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
19	9314 8699 0430 0094 5101 13	Zunis Energy, LLC 15 E. 5th Street, Suite 3300 Tulsa OK 74103	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
20	9314 8699 0430 0094 5101 20	Mavros Minerals II, LLC P.O. Box 50820 Midland TX 79710	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
21	9314 8699 0430 0094 5101 37	Oak Valley Mineral and Land, LP P.O. Box 50820 Midland TX 79710	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
22	9314 8699 0430 0094 5101 44	Kaleb Smith P.O. Box 50820 Midland TX 79710	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
23	9314 8699 0430 0094 5101 51	Deane Durham P.O. Box 50820 Midland TX 79710	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
24	9314 8699 0430 0094 5101 68	Mike Moylett P.O. Box 50820 Midland TX 79710	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
25	9314 8699 0430 0094 5101 75	Crown Oil Partners, LP P.O. Box 50820 Midland TX 79710	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
26	9314 8699 0430 0094 5101 82	Collins & Jones Investments, LLC 508 W. Wall Street, Suite 1200 Midland TX 79701	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
27	9314 8699 0430 0094 5101 99	LMC Energy LLC 550 W. Texas Avenue, Suite 945 Midland TX 79701	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
28	9314 8699 0430 0094 5102 05	Gerald G. Vavrek 1521 2nd Avenue #1604 Seattle WA 98101	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
29	9314 8699 0430 0094 5102 12	Jesse A. Faught, Jr. P.O. Box 52603 Midland TX 79710	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
30	9314 8699 0430 0094 5102 29	H. Jason Wacker 5601 Hillcrest Midland TX 79707	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice

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  
 04/19/2022

Firm Mailing Book ID: 226447

Line	USPS Article Number	Name, Street, City, State, Zip	Postage	Service Fee	RR Fee	Rest.Del.Fee	Reference Contents
31	9314 8699 0430 0094 5102 36	David W. Cromwell 2008 Country Club Drive Midland TX 79701	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
32	9314 8699 0430 0094 5102 43	New Mexico State Land Office PO Box 1148 Santa Fe NM 87504	\$1.36	\$3.75	\$1.85	\$0.00	81363.0178. Notice
<b>Totals:</b>			<b>\$43.52</b>	<b>\$120.00</b>	<b>\$59.20</b>	<b>\$0.00</b>	
<b>Grand Total:</b>						<b>\$222.72</b>	

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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Form 3160-5  
(June 2019)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2021

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

<b>SUBMIT IN TRIPLICATE - Other instructions on page 2</b>		5. Lease Serial No.
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator		7. If Unit of CA/Agreement, Name and/or No.
3a. Address	3b. Phone No. (include area code)	8. Well Name and No.
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		9. API Well No.
		10. Field and Pool or Exploratory Area
		11. Country or Parish, State

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

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

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

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	Title
Signature	Date

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

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

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

(Instructions on page 2)

## GENERAL INSTRUCTIONS

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

## SPECIFIC INSTRUCTIONS

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

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

## NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

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

## Additional Information

### Location of Well

0. SHL: SESW / 448 FSL / 1479 FWL / TWSP: 26S / RANGE: 34E / SECTION: 1 / LAT: 32.0663942 / LONG: -103.4274059 ( TVD: 0 feet, MD: 0 feet )

PPP: SWSW / 0 FSL / 330 FWL / TWSP: 25S / RANGE: 34E / SECTION: 36 / LAT: 32.079703 / LONG: -103.4311241 ( TVD: 12453 feet, MD: 17525 feet )

PPP: SWSW / 150 FSL / 330 FWL / TWSP: 26S / RANGE: 34E / SECTION: 1 / LAT: 32.0655837 / LONG: -103.4311137 ( TVD: 12022 feet, MD: 12162 feet )

BHL: NWNW / 150 FNL / 330 FWL / TWSP: 25S / RANGE: 34E / SECTION: 36 / LAT: 32.0937741 / LONG: -103.4311294 ( TVD: 12408 feet, MD: 22644 feet )

CONFIDENTIAL

**NEW MEXICO STATE LAND OFFICE**  
**Guidelines for Requesting Commingling Approval**

1. A commingling agreement from the New Mexico State Land Office is not required if the commingling operation does not contain New Mexico State Trust acreage.
2. If State Trust acreage will be part of a proposed commingling operation:
  - a. Commingling of production of all wells from the same pool within a single lease, communitized area, or unit area is permitted without additional Land Commissioner approval.
  - b. Surface commingling (including off-lease storage) from more than one pool, and/or from more than one lease, communitized area, unit area, or a combination of leases/communitized areas/unit areas, requires additional Land Commissioner approval.
  - c. Downhole commingling of multiple producing pools in a single well bore requires Land Commissioner approval unless the pools or the area in which the well is located are listed as pre-approved in NMAC 19.15.12.11(E).

The attached application form describes the process for submitting a commingling application to the New Mexico State Land Office.



APPLICATION FOR
COMMINGLING AND OFF-LEASE STORAGE
ON STATE TRUST LANDS



This application form is required for all commingling applications requiring approval by the Commissioner of Public Lands.

Applicant: Marathon Oil LLC OGRID #: 372098

Well Name: Mammoth 1 TB Federal Com 1H API #:

Pool: Hardin Tank; Bone Spring & Hardin Tank; Wolfcamp

OPERATOR NAME: Marathon Oil LLC

OPERATOR ADDRESS: 990 Town & Country Blvd., Houston, TX 77024

APPLICATION REQUIREMENTS - SUBMIT:

- 1. New Mexico Oil Conservation Division (NMOCD) application packet (or equivalent information if no application is required by NMOCD),
2. Commingling application fee of \$150.

CERTIFICATION: To the best of my knowledge,

- All business leases and rights-of-way necessary for conducting the proposed operation on State Trust lands have been applied for or obtained,
The information submitted with this application is accurate and complete, and
No loss will accrue to the state of New Mexico as a result of the proposed operation.

I also understand that no action will be taken on this application until the required information and fee are submitted to the State Land Office.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Adrian Covarrubias

Print or Type Name

[Handwritten Signature]

Signature

713-296-3368

Phone Number

4/18/2022

Date

acovarrubias@marathonoil.com

e-mail Address

Submit application to:
Commissioner of Public Lands
Attn: Commingling Manager
PO Box 1148
Santa Fe, NM 87504-1148

Questions?
Contact the Commingling Manager:
505.827.5791

Upon approval, the requesting organization will receive an acknowledgment letter from the Commissioner of Public Lands.

**From:** [Engineer, OCD, EMNRD](#)  
**To:** [Covarrubias, Adrian \(MRO\)](#)  
**Cc:** [McClure, Dean, EMNRD](#); [Kautz, Paul, EMNRD](#); [Wrinkle, Justin, EMNRD](#); [Powell, Brandon, EMNRD](#); [lisa@rwbyram.com](mailto:lisa@rwbyram.com); [Glover, James](#); [Paradis, Kyle O](#); [Walls, Christopher](#); [Dawson, Scott](#)  
**Subject:** Approved Administrative Order DHC-5217  
**Date:** Friday, June 3, 2022 11:21:29 AM  
**Attachments:** [DHC5217 Order.pdf](#)

---

NMOCD has issued Administrative Order DHC-5217 which authorizes Marathon Oil Permian, LLC (372098) to downhole commingle production within the following well:

**Well Name: Mammoth 1 TB Federal Com #1H**

**Well API: 30-025-46127**

---

The administrative order is attached to this email and can also be found online at OCD Imaging.

Please review the content of the order to ensure you are familiar with the authorities granted and any conditions of approval. If you have any questions regarding this matter, please contact me.

Dean McClure  
Petroleum Engineer, Oil Conservation Division  
New Mexico Energy, Minerals and Natural Resources Department  
(505) 469-8211

**From:** [Covarrubias, Adrian \(MRO\)](#)  
**To:** [McClure, Dean, EMNRD](#)  
**Subject:** RE: [EXTERNAL] Marathon Oil Permian - Mammoth 1H Downhole Commingle  
**Date:** Wednesday, June 1, 2022 7:28:23 AM  
**Attachments:** [image001.png](#)

---

Good morning Dean,

Thank you for following back with me on this. Yes, our intent is to use the HSU established by the Mammoth 1 WA Federal Com 7H. Let me know if there are any further questions.

Thank you,

### Adrian Covarrubias

Regulatory Professional | Permian Asset  
Marathon Oil Company | 990 Town & Country Blvd. Houston, TX 77024  
O: 713.296.3368 | M: 713.962.7591



---

**From:** McClure, Dean, EMNRD <[Dean.McClure@state.nm.us](mailto:Dean.McClure@state.nm.us)>  
**Sent:** Tuesday, May 31, 2022 4:40 PM  
**To:** Covarrubias, Adrian (MRO) <[acovarrubias@marathonoil.com](mailto:acovarrubias@marathonoil.com)>  
**Subject:** RE: [EXTERNAL] Marathon Oil Permian - Mammoth 1H Downhole Commingle

Hello Adrian,

I touched base with our District Geologist, Paul, regarding the HSU for the wolfcamp pool for this well. The spacing unit will need to reflect the lateral which is completed within the pool. However, the exception to this is that a HSU which is already established by a defining well may be used. In this case, I presume that Marathon's intent will be to use the HSU which was established by the Mammoth 1 WA Federal Com #7H (30-025-46133). Please confirm that this is Marathon's intent here, or diversly please submit a new C-102 with spacing reflective of the completed lateral length within the wolfcamp.

Dean McClure  
Petroleum Engineer, Oil Conservation Division  
New Mexico Energy, Minerals and Natural Resources Department  
(505) 469-8211

---

**From:** Covarrubias, Adrian (MRO) <[acovarrubias@marathonoil.com](mailto:acovarrubias@marathonoil.com)>  
**Sent:** Tuesday, May 31, 2022 12:58 PM  
**To:** McClure, Dean, EMNRD <[Dean.McClure@state.nm.us](mailto:Dean.McClure@state.nm.us)>

**Subject:** [EXTERNAL] Marathon Oil Permian - Mammoth 1H Downhole Commingle

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Hi Dean,

Here are the public notice items for you.

Let me know if we need to make changes to the spacing units.

Thank you,

**Adrian Covarrubias**

Regulatory Professional | Permian Asset

Marathon Oil Company | 990 Town & Country Blvd. Houston, TX 77024

O: 713.296.3368 | M: 713.962.7591



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

**APPLICATION FOR DOWNHOLE COMMINGLING  
SUBMITTED BY MARATHON OIL PERMIAN, LLC**

**ORDER NO. DHC-5217**

**ORDER**

The Director of the New Mexico Oil Conservation Division (“OCD”), having considered the application and the recommendation of the Engineering Bureau, issues the following Order.

**FINDINGS OF FACT**

1. Marathon Oil Permian, LLC (“Applicant”) submitted a complete application (“Application”) to downhole commingle the pools described in Exhibit A (“the Pools”) within the well bore of the well identified in Exhibit A (“the Well”).
2. Applicant proposed a method to allocate the oil and gas production from the Well to each of the Pools that is satisfactory to the OCD and protective of correlative rights.
3. Applicant has certified that all produced fluids from all the Pools are compatible with each other.
4. Applicant has certified that downhole commingling the Pools will not decrease the value of the oil and gas production.
5. To the extent that ownership is identical, Applicant submitted a certification by a licensed attorney or qualified petroleum landman that ownership in the Pools is identical as defined by 19.15.12.7(B) NMAC.
6. To the extent that ownership is diverse, Applicant identified all owners of interest in the Pools, provided evidence a copy of the Application was given to each person, and those persons either submitted a written waiver or did not file an objection to the Application.
7. Applicant provided notice of the Application to the Bureau of Land Management (“BLM”) or New Mexico State Land Office (“NMSLO”), as applicable.

**CONCLUSIONS OF LAW**

8. OCD has jurisdiction to issue this Order pursuant to the Oil and Gas Act, NMSA 1978, Sections 70-2-6, 70-2-11, 70-2-12, 70-2-16, 70-2-17, and 19.15.12 NMAC.
9. The downhole commingling of the Pools is common, or Applicant has provided evidence that the fluids are compatible and will not damage the Pools in accordance with 19.15.12.11(A)(1) NMAC.
10. The bottom perforation of the lower zone is within one hundred fifty percent (150%) of the depth of the top perforation in the upper zone or Applicant has provided evidence that the

proposed commingling of the Pools shall not result in shut-in or flowing well bore pressure in excess of the commingled pool's fracture parting pressure in accordance with 19.15.12.11(A)(3) NMAC.

11. Applicant's proposed method of allocation, as modified herein, complies with 19.15.12.11(A)(8) NMAC.
12. To the extent that ownership is diverse, Applicant identified all owners of interest in the Pools and provided evidence the application was given to those persons in accordance with 19.15.12.11(C)(1)(b) NMAC.
13. By granting the Application with the conditions specified below, this Order prevents waste and protects correlative rights, public health, and the environment.

### **ORDER**

1. Applicant is authorized to downhole commingle the Pools described in Exhibit A within the well bore of the well identified in Exhibit A.
2. Applicant shall allocate a fixed percentage of the oil and gas production from the Well to each of the Pools as described in Exhibit A.
3. If an alteration is made to the Well or a condition within the Well changes which may cause the allocation of production to the Pools as approved within this Order to become inaccurate, then no later than sixty (60) days after that event, Applicant shall submit Form C-103 to the OCD Engineering Bureau describing the event and include a revised allocation plan. If OCD denies the revised allocation plan, this Order shall terminate on the date of such action.
4. If any of the pools being commingled is prorated, or the Well's production has been restricted by an OCD order in any manner, the allocated production from each producing pool in the commingled well bore shall not exceed the top oil or gas allowable rate for a well in that pool or rate restriction applicable to the well.
5. If the Well is deepened, then no later than forty-five (45) days after the Well is deepened, Applicant shall conduct and provide logs to OCD that are sufficient for OCD to determine which pool(s) each new completed interval of the Well will produce from.
6. If the downhole commingling of the Pools reduces the value of the oil and gas production to less than if it had remained segregated, no later than sixty (60) days after the decrease in value has occurred Applicant shall submit a new downhole commingling application to OCD to amend this Order to remove the pool that caused the decrease in value. If Applicant fails to submit a new application, this Order shall terminate on the following day, and if OCD denies the application, this Order shall terminate on the date of such action.
7. If a completed interval of the Well is altered from what is submitted within the Application as identified in Exhibit A, then no later than sixty (60) days after the alteration, Applicant shall submit Form C-103 to the OCD Engineering Bureau detailing the alteration and completed interval.

8. If OCD determines that Applicant has failed to comply with any provision of this Order, OCD may take any action authorized by the Oil and Gas Act or the New Mexico Administrative Code (NMAC).
9. OCD retains jurisdiction of this matter and reserves the right to modify or revoke this Order as it deems necessary.

**STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION**



---

**ADRIENNE E. SANDOVAL  
DIRECTOR**

**DATE:** 6/03/2022

State of New Mexico  
Energy, Minerals and Natural Resources Department

## Exhibit A

Order: **DHC-5217**

Operator: **Marathon Oil Permian, LLC (372098)**

Well Name: **Mammoth 1 TB Federal Com #1H**

Well API: **30-025-46127**

Pool Name: **HARDIN TANK;BONE SPRING**

**Upper Zone**

Pool ID: **96661**

Current:

New: **X**

Allocation: **Fixed Percent**

Oil: **97%**

Gas: **97%**

Interval: **Perforations**

Top: **12,166**

Bottom: **14,912**

Interval: **Perforations**

Top: **15,309**

Bottom: **22,618**

Pool Name:

**Intermediate Zone**

Pool ID:

Current:

New:

Allocation:

Oil:

Gas:

Interval:

Top:

Bottom:

Bottom of Interval within 150% of Upper Zone's Top of Interval:

Pool Name: **HARDIN TANK;WOLFCAMP**

**Lower Zone**

Pool ID: **96658**

Current:

New: **X**

Allocation: **Fixed Percent**

Oil: **3%**

Gas: **3%**

Interval: **Perforations**

Top: **14,912**

Bottom: **15,309**

Bottom of Interval within 150% of Upper Zone's Top of Interval: **YES**

**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 Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
 Action 99266

**CONDITIONS**

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 99266
	Action Type: [C-107] Down Hole Commingle (C-107A)

**CONDITIONS**

Created By	Condition	Condition Date
dmcclure	Please review the content of the order to ensure you are familiar with the authorities granted and any conditions of approval. If you have any questions regarding this matter, please contact me.	6/3/2022