

**Before the Oil Conservation Division
Examiner Hearing September 20, 2018**

Case No. 16420

Ramathorn Fed 22-32-14 WA 2H and Ramathorn Fed 22-32-14 WXY 7H



Marathon Oil

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

**AMENDED APPLICATION OF MARATHON
OIL PERMIAN LLC FOR A NON-STANDARD
SPACING AND PRORATION UNIT
AND COMPULSORY POOLING,
LEA COUNTY, NEW MEXICO.**

CASE NO. 16420

AMENDED APPLICATION

Marathon Oil Permian LLC ("Marathon"), OGRID Number 372098, through its undersigned attorneys, hereby makes an application to the Oil Conservation Division pursuant to the provisions of NMSA (1978), Section 70-2-17, for an order: (1) to the extent necessary, approving the creation of a 320-acre, more or less, spacing and proration unit covering the W/2 of Section 14, Township 22 South, Range 32 East, NMPM, Lea County, New Mexico; and (2) pooling all uncommitted mineral interests in the Wolfcamp formation underlying this spacing and proration unit. 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 W/2 of Section 14, Township 22 South, Range 32 East, NMPM, Lea County, New Mexico to form a 320-acre, more or less, spacing unit.
3. Marathon plans to drill the **Ramathorn Federal Com 22 32 14 WA 2H and Ramathorn Federal Com 22 32 14 WXY 7H** wells to a depth sufficient to test the Wolfcamp formation. These wells will be horizontally drilled.
4. These wells will comply with the Division's setback requirements.

5. 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.

6. The creation of a non-standard spacing and proration unit and 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.

7. Marathon further requests that it be allowed one (1) year between the time the wells are drilled and completion of the first well under the order issued by the Division.

WHEREFORE, Marathon requests this application be set for hearing before an Examiner of the Oil Conservation Division on September 20, 2018, and after notice and hearing as required by law, the Division enter its order:

A. To the extent necessary, approving the creation of a spacing and proration unit in the Wolfcamp formation comprised of the W/2 of Section 14, Township 22 South, Range 32 East, NMPM, Lea County, New Mexico;

B. Pooling all mineral interests in the Wolfcamp formation underlying this spacing and proration unit;

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

D. Authorizing Marathon to recover its costs of drilling, equipping and completing these wells;

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

F. 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.

G. Allowing a period of one (1) year between when the wells are drilled and when the first well is completed under the order.

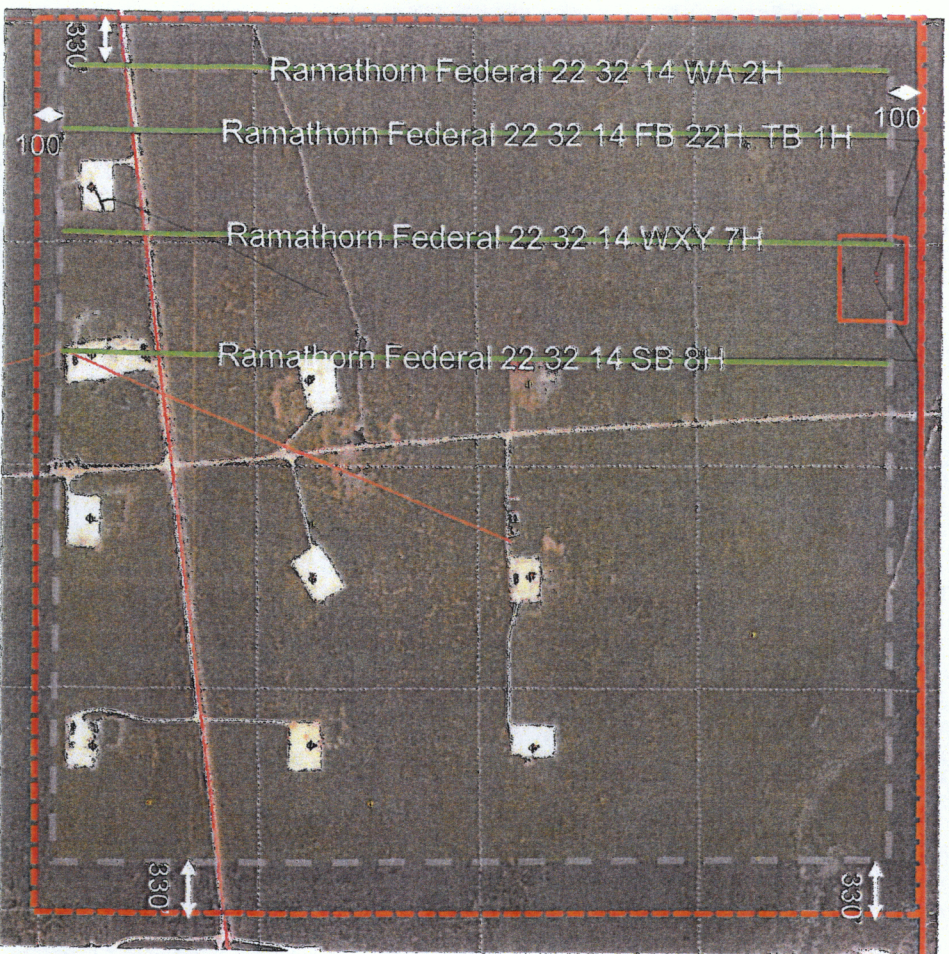
Respectfully submitted,

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

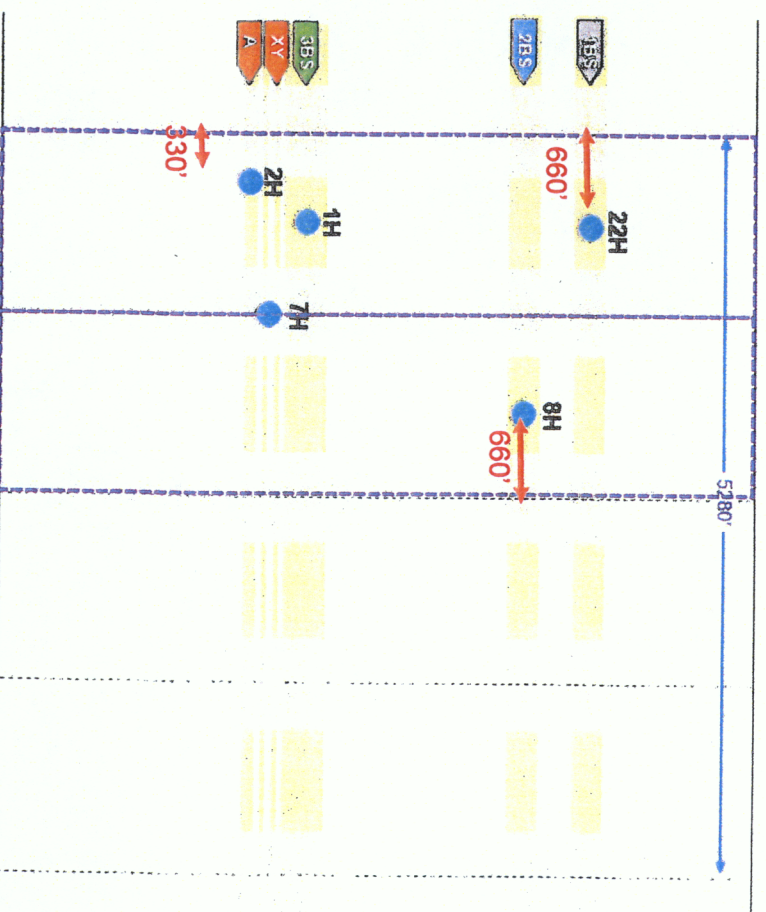
By: Deana M. Bennett
Jennifer Bradfute
Deana M. Bennett
Post Office Box 2168
500 Fourth Street NW, Suite 1000
Albuquerque, New Mexico 87103-2168
Telephone: 505.848.1800
Attorneys for Applicant

CASE NO. 16420: Amended Application of Marathon Oil Permian LLC for a non-standard spacing and proration unit and compulsory pooling, Lea County, New Mexico. Applicant seeks an order from the Division: (1) to the extent necessary, approving the creation of a 320-acre, more or less, spacing and proration unit covering the W/2 of Section 14, Township 22 South, Range 32 East, NMPM, Lea County, New Mexico; and (2) pooling all uncommitted mineral interests within the Wolfcamp formation underlying this proposed spacing and proration unit. This proposed spacing unit will be dedicated to the **Ramathorn Federal Com 22 32 14 WA 2H and Ramathorn Federal Com 22 32 14 WXY 7H** wells, to be horizontally drilled. The producing area for these wells will be orthodox. 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, and allowing a one year period between when the wells are drilled and when the first well is completed. Said area is located approximately 26 miles northwest of Loving, New Mexico.

Ramathorn Federal 22 32 14 Unit Development



1320'



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

AMENDED APPLICATION OF MARATHON OIL PERMIAN LLC FOR A NON-STANDARD SPACING AND PRORATION UNIT AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 16420

AFFIDAVIT

STATE OF TEXAS)
) ss.
COUNTY OF HARRIS)

Ryan Gyllenband, being duly sworn, deposes and states:

1. I am over the age of 18, I am a landman for Marathon Oil Permian LLC and have personal knowledge of the matters stated herein. I have been qualified by the Oil Conservation Division ("Division") as an expert petroleum landman.

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

3. The purpose of these applications is to force pool working interest owners into the horizontal spacing unit described below, and in the well to be drilled in the unit.

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

5. Marathon seeks an order pooling of all mineral interests in the Wolfcamp horizontal spacing unit underlying the W/2 of Section 14, Township 22 South, Range 32 East, NMPM, Lea County, New Mexico. This spacing unit will be dedicated to the **Ramathorn Federal Com 22 32 14 WA 2H and Ramathorn Federal Com 22 32 14 WXY 7H wells**, to be horizontally drilled.



6. A plat outlining the unit being pooled is attached hereto as **Exhibit A**, which shows the proposed wells' locations within the unit. The parties being pooled, the nature and percent of their interests, and their last known addresses are also included as part of Exhibit A. Exhibit A includes information for the working interest owners, the overriding interest owners, and offsets.

7. There are no depth severances within the Wolfcamp formation.

8. 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 all parties well proposals, including an Authorization for Expenditure.

9. Marathon has made a good faith effort to obtain voluntary joinder of the working interest owners in the proposed wells.

10. Attached as **Exhibit B** are proposed C-102s for the wells. The wells will develop the WC-025 G-09 S233216K: UPR Wolfcamp pool, pool code 98166, which is an oil pool.

11. The producing interval for the wells will be orthodox and will comply with the Division's set back requirements.

12. **Exhibits C and D** are a sample proposal letter and 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.

13. Marathon requests overhead and administrative rates of \$7000.00/month for drilling a well and \$700.00/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.

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

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

16. The attachments to this affidavit were prepared by me, or compiled from company business records.

17. I attest that the information provided herein is correct and complete to the best of my knowledge and belief.

18. The granting of this application is in the interests of conservation and the prevention of waste.

Ryan Gyllenband
Ryan Gyllenband

SUBSCRIBED AND SWORN to before me this 18 day of September, 2018 by Ryan Gyllenband on behalf of Marathon Oil Permian LLC.

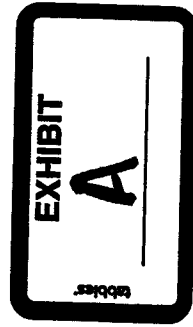
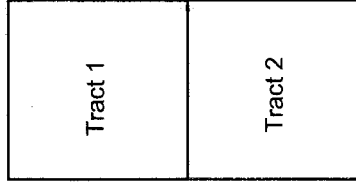
Jessica Gorman
Notary Public

My commission expires: 1/23/2019



Lease Tract Map
Ramathorn Fed 22-32-14 WA 2H and Ramathorn Fed 22-32-14 WXY 7H
W/2 W/2 of Section 14, 22S-32E – 320 acres

- Tract 1: Federal Acreage
- Tract 2: Federal Acreage



Summary of Interests

Ramathorn Fed 22-32-14 TB 1H, Ramathorn Fed 22-32-14 WA 2H, Ramathorn Fed 22-32-14 WXY 7H, Ramathorn Fed 22-32-14 SB 8H and Ramathorn Fed 22-32-14 FB 22H

Committed Working Interest:
Marathon Oil Permian LLC

64.375%
64.375%

Uncommitted Working Interest:
COG Operating LLC
RKI Exploration and Production

21.250%
14.375%
35.625%

Unleased Mineral Interest:

0.00%

Ramathorn

Force Pooled Owners			
Owner Name	Address 1	Address 2	Type
Marathon Oil Permian LLC			WI
COG Operating LLC	600 West Illinois Ave.	Midland, TX 79701	WI
RKI Exploration and Production	210 Park Avenue, Suite 700	Oklahoma City, OK 73102	WI

ORRIS

Owner Name	Address 1	Address 2	Type
Curtis A. Anderson	600 W. Illinois, Ste. 701	Midland, TX 79701	ORRI
Allan C. Anderson	3807 South County Rd. 1135	Midland, TX 79706	ORRI
Wade S. Anderson	3807 South County Rd. 1135	Midland, TX 79706	ORRI
Kimbell Art Foundation	301 Commerce Street, Suite 2240	Fort Worth, Texas 76102	ORRI
MAP00-NET, a Texas general partnership	100 Park Avenue, Suite 1007	Oklahoma City, OK 73102	ORRI
Bill Burton	301 Commerce Street, Suite 3301	Fort Worth, Texas 76102	ORRI
Ben J. Fortson III Children's Trust, Ben J. Fortson III, Trustee	301 Commerce Street, Suite 3301	Fort Worth, Texas 76102	ORRI
Robert C. Grable	201 Main Street, Suite 2500	Fort Worth, Texas 76102	ORRI
MWB 1998 Trust, Ben J. Fortson, Jr., Trustee	301 Commerce Street, Suite 3301	Fort Worth, Texas 76102	ORRI
CCB 1998 Trust, Ben J. Fortson, Jr., Trustee	301 Commerce Street, Suite 3301	Fort Worth, Texas 76102	ORRI
DCB 1998 Trust, Ben J. Fortson, Jr., Trustee	301 Commerce Street, Suite 3301	Fort Worth, Texas 76102	ORRI
The Roach Foundation	100 Throckmorton Street, Suite 480	Fort Worth, Texas 76102	ORRI
Sundance Minerals I	P.O. Box 17224	Fort Worth, Texas 76102	ORRI
Crownrock Minerals, LP	P.O. Box 51933	Midland, TX 79710	ORRI
XTO Holdings, LLC	810 Houston Street	Fort Worth, TX 76102	ORRI

Offsets

Owner Name	Address 1	Address 2	Type
XTO HOLDINGS LLC	22777 SPRINGWOODS VILLAGE PKWY	SPRING TX 77389	Offset
CONOCO PHILLIPS CO	PO BOX 7500	BARTLESVILLE OK 74005	Offset
ECHO PROD INC	PO BOX 1210	GRAHAM TX 76450	Offset
DEVON ENERGY PROD CO LP	333 W SHERIDAN AVE	OKLAHOMA CITY OK 73102	Offset
EOG RESOURCES INC	5509 Champions Drive	Midland, TX 79706	Offset
RANSOME-LOSEE ANNE	3505 CALLE CUERVO #218	ALBUQUERQUE NM 87048	Offset
PRINCE F IV	2 WISCONSIN CIR	CHEVY CHASE MD 20815	Offset
BURLINGTON RES OIL & GAS CO LP	PO BOX 51810	MIDLAND TX 79710	Offset
LOSEE ELIZABETH	328 SIERRA PL	ALBUQUERQUE NM 87108	Offset
TRAINER PARTNERS LTD	PO BOX 3788	MIDLAND TX 79702	Offset

Summary of Attempted Contacts

- Marathon sent well proposal letters.
- Marathon then contacted parties to see if they would participate in the well and/or execute a joint operating agreement.
- Marathon conducted updated record searches and internet searches for contact information for parties it seeks to pool.
- Marathon continued to attempt to contact the parties who had not executed an agreement.
- Marathon filed an application to force pool parties who had not entered in to an agreement.
- Marathon sent notices of the force pooling application to the addresses of record.
- Marathon then also published notice in a newspaper of general circulation in the county where the wells will be located.

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

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 98166	³ Pool Name WC-025 G-09 S233216K; UPR WOLFCAMP
⁴ Property Code	⁵ Property Name RAMATHORN 22-32-14 WA FED COM	⁶ Well Number 2H
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN LLC	⁹ Elevation 3739'

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
C	14	22S	32E		436	NORTH	1519	WEST	LEA

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
M	14	22S	32E		100	SOUTH	330	WEST	LEA

¹² Dedicated Acres 320.0	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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 or 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.

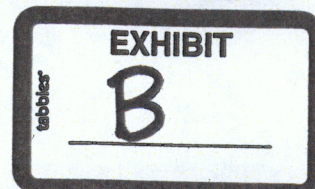
SEPTEMBER 18, 2018

Date of Survey _____

Signature and Seal of Professional Surveyor:

Certificate Number
LLOYD P. SHORT 21653

SHEET 1 OF 3
JOB No. R3835_004
REV 4 BM 09/13/2018



District I
1625 N French Dr., Hobbs, NM 88240
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Phone: (575) 748-1283 Fax: (575) 748-9720
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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 98166	³ Pool Name WC-025 G-09 S233216K; UPR WOLFCAMP
⁴ Property Code	⁵ Property Name RAMATHORN 22-32-14 WXY FED COM	⁶ Well Number 7H
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN LLC	⁹ Elevation 3739'

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
C	14	22S	32E		436	NORTH	1549	WEST	LEA

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
M	14	22S	32E		100	SOUTH	1310	WEST	LEA

¹² Dedicated Acres 320.0	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.

<p>DEFINING WELL</p> <p>SECTION 10 SECTION 11 SECTION 14 SECTION 15 SECTION 22 SECTION 23</p> <p>KOP SHL FIRST TAKE LAST TAKE/BHL</p> <p>Distances: 1307', 1307', 1549', 1086', 1310', 100', 50', 436', 100'</p>	<p>CORNER COORDINATES NAD 83, SPCS NM EAST A - X: 751004.65' / Y: 509557.01' B - X: 753638.82' / Y: 509591.40' C - X: 753679.29' / Y: 504304.26' D - X: 751039.55' / Y: 504278.69'</p>	<p>CORNER COORDINATES NAD 27, SPCS NM EAST A - X: 709822.29' / Y: 509496.42' B - X: 712456.44' / Y: 509530.79' C - X: 712496.78' / Y: 504243.80' D - X: 709857.05' / Y: 504218.23'</p>	<p>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 undivided 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.</p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p> <p>E-mail Address _____</p>
	<p>SURFACE HOLE LOCATION 436' FNL 1549' FWL, SECTION 14 NAD 83, SPCS NM EAST X: 752556.37' / Y: 509140.78' LAT: 32.39783816N / LON: -103.64899145W NAD 27, SPCS NM EAST X: 711373.99' / Y: 509080.19' LAT: 32.39771516N / LON: -103.64850458W</p>		
	<p>KICK OFF POINT 50' FNL 1307' FWL, SECTION 14 NAD 83, SPCS NM EAST X: 752312.09' / Y: 509524.08' LAT: 32.39869601N / LON: -103.64977492W NAD 27, SPCS NM EAST X: 711129.72' / Y: 509463.47' LAT: 32.39877301N / LON: -103.64928799W</p>		
	<p>FIRST TAKE POINT 100' FNL 1307' FWL, SECTION 14 NAD 83, SPCS NM EAST X: 752312.45' / Y: 509474.08' LAT: 32.39875857N / LON: -103.64977481W NAD 27, SPCS NM EAST X: 711130.07' / Y: 509413.48' LAT: 32.39863557N / LON: -103.64928788W</p>		
<p>LAST TAKE POINT/BOTTOM HOLE LOCATION 100' FSL 1310' FWL, SECTION 14 NAD 83, SPCS NM EAST X: 752348.70' / Y: 504391.37' LAT: 32.38478743N / LON: -103.64976260W NAD 27, SPCS NM EAST X: 711166.20' / Y: 504330.92' LAT: 32.38466438N / LON: -103.64927818W</p>			<p>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.</p> <p>SEPTEMBER 18, 2018</p> <p>Date of Survey _____</p> <p>Signature and Seal of Professional Surveyor: </p> <p>Certificate Number LLOYD P. SHORT 21653</p>

Ryan Gyllenband
Land Professional



Marathon Oil Permian LLC
5555 San Felipe Street
Houston, TX 77056
Telephone: 713.296.2453 Mobile: 281.684.7389
Fax: 713.513.4006
mrgyllenband@marathonoil.com

September 13, 2018

VIA CERTIFIED RETURN RECEIPT MAIL

COG Operating LLC
600 West Illinois Ave.
Midland, TX 79701

Re: Ramathorn Federal 1H, 2H, & 7H Well Proposals
Section 14, T22S-R32E
Lea County, New Mexico

Dear COG Operating LLC:

Marathon Oil Permian LLC ("MRO") proposes the drilling of the following wells located in Section 14, 22S-32E, Lea County, New Mexico to be drilled from the same pad location.

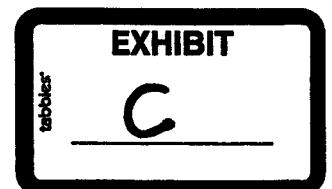
- Ramathorn Federal 22 32 14 TB 1H with a proposed first take point located 330' FNL and 330' FWL of Section 14, 22S-32E, and a proposed last take point located 330' FSL and 330' FWL of Section 14, 22S-32E. The well will have a targeted interval located in the Bone Spring Formation (~11,889' TVD) with a productive lateral length of approximately 4,620'. The total estimated drilling and completion cost is \$7,308,537 as shown in the attached AFE.
- Ramathorn Federal 22 32 14 WA 2H with a proposed first take point located 330' FNL and 330' FWL of Section 14, 22S-32E, and a proposed last take point located 330' FSL and 330' FWL of Section 14, 22S-32E. The well will have a targeted interval located in the Wolfcamp Formation (~12,151' TVD) with a productive lateral length of approximately 4,620'. The total estimated drilling and completion cost is \$7,377,279 as shown in the attached AFE.
- Ramathorn Federal 22 32 14 WXY 7H with a proposed first take point located 330' FNL and 330' FWL of Section 14, 22S-32E, and a proposed last take point located 330' FSL and 330' FWL of Section 14, 22S-32E. The well will have a targeted interval located in the Wolfcamp Formation (~12,045' TVD) with a productive lateral length of approximately 4,620'. The total estimated drilling and completion cost is \$7,393,179 as shown in the attached AFE.

These proposed locations and target depths are subject to change depending on any surface or subsurface concerns encountered. The AFEs represent an estimate of the costs that will be incurred to drill and complete the wells, but those electing to participate in the wells are responsible for their proportionate share of the actual costs incurred.

MRO proposes drilling the well under the terms of the 1989 AAPL JOA and a form of this JOA will be sent to you following this proposal. The JOA will have these general provisions:

- 100%/300%/300% non-consent penalty
- \$7,000/\$700 drilling and producing rates
- Contract area of Section 14, 22S-32E, covering all depths

Our title records show that you own 21.25% WI in the proposed unit.



If your election is to participate in the drilling and completion of the wells please sign and return a copy of this letter along with the enclosed AFE within thirty (30) days of receipt of this proposal.

If you do not wish to participate, Marathon proposes to acquire your interest via term assignment at the following terms:

- 3 year lease term
- \$2000 bonus consideration per net mineral acre
- Delivering a 75% NRI, proportionately reduced

This term assignment offer terminates August 15, 2018 and is subject to due diligence and title verification satisfactory to Marathon.

Should you have any questions regarding this or other matters, please don't hesitate to contact me at the above listed numbers.

Sincerely,

Ryan Gyllenband

Ramathorn Federal 1H, 2H, & 7H

_____ elects to participate in the drilling, completing, and equipping of the Ramathorn Federal 22 32 14 TB 1H well.

_____ elects NOT to participate in the drilling, completing, and equipping of the Ramathorn Federal 22 32 14 TB 1H well.

_____ elects to participate in the drilling, completing, and equipping of the Ramathorn Federal 22 32 14 WA 2H well.

_____ elects NOT to participate in the drilling, completing, and equipping of the Ramathorn Federal 22 32 14 WA 2H well.

_____ elects to participate in the drilling, completing, and equipping of the Ramathorn Federal 22 32 14 WXY 7H well.

_____ elects NOT to participate in the drilling, completing, and equipping of the Ramathorn Federal 22 32 14 WXY 7H well.

COG Operating LLC

By: _____

Print Name: _____

Title: _____

Date: _____

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

DATE 5/22/2018
DRILLING & LOCATION PREPARED BY MATTHEW RUGAARD
COMPLETION PREPARED BY JOSH SHANNON
FACILITIES PREPARED BY MATT HENSCHEN
ARTIFICIAL LIFT PREPARED BY BILLY MOORE

Asset Team PERMIAN
Field Diamondtail (Wolfcamp) - 17645 FORMATION: WOLFCAMP
Lease/Facility Ramathorn Federal 22-32-14 WA 2H
Location LEA COUNTY
Prospect RANGER

WILDCAT EXPLORATION
DEVELOPMENT RECOMPLETION
X EXPLOITATION WORKOVER

Est Total Depth 17,079 Est Drilling Days 24.8 Est Completion Days 5.5

LOCATION COST - INTANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
7001270	Location and Access	50,000
7001250	Land Broker Fees and Services	50,000
TOTAL LOCATION COST - INTANGIBLE		100,000

DRILLING COST - TANGIBLE

7012050	Conductor Pipe	40,000
7012050	Surface Casing	36,000
7012050	Intermediate Casing 1	123,000
7012050	Intermediate Casing 2	237,000
7012050	Production Casing	71,000
7012050	Drig Liner Hanger, Tieback Eq & Csg Accessories	55,000
7012550	Drilling Wellhead Equipment	50,000
7012040	Casing & Tubing Access	24,000
7012270	Miscellaneous MRO Materials	5,000
TOTAL DRILLING - TANGIBLE		641,000

DRILLING COST - INTANGIBLE

7019200	Drilling Rig Mob/Demob	50,000
7019220	Drilling Rig - day work/footage	620,833
7019040	Directional Drilling Services	209,750
7019020	Cement and Cementing Service	20,000
7019020	Cement and Cementing Service	25,000
7019020	Cement and Cementing Service	45,000
7019020	Cement and Cementing Service	50,000
7019140	Mud Fluids & Services	58,500
7012310	Solids Control equipment	44,000
7012020	Bits	70,000
7019010	Casing Crew and Services	30,000
7016350	Fuel (Rig)	76,000
7019140	Fuel (Mud)	18,000
7001460	Water (non potable)	25,000
7019000	Well Logging Services	-
7019150	Mud Logging-geosteering	21,000
7019250	Stabilizers, Hole Openers, Underreamers (DH rentals)	15,000
7019110	Casing Inspection/cleaning	15,000
7019110	Drill pipe/collar inspection services	10,000
7016180	Freight - truck	25,000
7001460	Water hauling and disposal (includes soil farming)	60,000
7001440	Vacuum Trucks	10,000
7000030	Contract Labor - general	30,000
7018150	Rental Tools and Equipment (surface rentals)	99,333
7018150	Rig Equipment and Misc.	12,417
7001110	Telecommunications Services	5,000
7001120	Consulting Services	116,717
7001400	Safety and Environmental	39,733
7018120	Rental Buildings (trailers)	19,867
7019310	Coring (sidewalls & analysis)	-
7011010	8% Contingency & Taxes	155,554
TOTAL DRILLING - INTANGIBLE		\$1,976,704

TOTAL DRILLING COST

\$2,617,704

COMPLETION - TANGIBLE

7012580	Tubing	50,000
7012040	Tubing Accessories (nipple, wireline entry)	5,000
7012550	Wellhead Equip	5,000
7012560	Packers - Completion Equipment	40,000
TOTAL COMPLETION - TANGIBLE		\$100,000

EXHIBIT

D

Asset Team PERMIAN
 Field Diamondhall (Wolfcamp) - 17645 FORMATION: WOLFCAMP
 Lease/Facility Ramathorn Federal 22-32-14 WA 2H

COMPLETION - INTANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
7001270	Location and Access (dress location after rig move, set anchors)	5,000
7019220	Drilling Rig During Completion	60,000
7019140	Mud Fluids & Services	-
7019030	Coiled Tubing Services (3 runs)	120,000
7019240	Snubbing Services	-
7019270	Pulling/Swab Units	-
7016350	Fuel (from drig)	-
7019010	Casing Crew and Services	-
7019020	Cement and Cementing Services	-
7019080	Well Testing Services (flow hand & equip)	105,000
7019320	Fracturing Services	2,150,000
7019330	Perforating	175,000
7019360	Wireline Services	10,000
7001460	Water Hauling & Disposal (frac fluids)	250,000
7016180	Freight - Truck (haul pipe; drig & compl)	10,000
7018150	BOP Rental & Testing	-
7018150	Rental Tools and Equipment (incl drig; lightplant,hydra-walk)	-
7018150	CT Downhole Rental Equipment (ie. BIt, BHA)	-
7000030	Contract Labor - general	25,000
7001110	Telecommunications Services	90,000
7001400	Safety and Environmental	-
7001120	Consulting Services	40,000
7018150	Zipper Manifold	110,000
7019300	Frack Stack Rentals	40,000
7016190	Freight (Transportation Services)	-
7018150	Equipment Rental (w/o operator, frac tanks, lightplants)	65,000
7018120	Rental Buildings (trailers)	15,000
7000030	Contract Labor - Pumping (pump-down pumps)	60,000
7011010	8% Contingency & Taxes	250,000
TOTAL COMPLETION - INTANGIBLE		\$3,680,000
TOTAL COMPLETION COST		\$3,780,000

SURFACE EQUIPMENT - TANGIBLE

7012350	Misc. Piping, Fittings & Valves	85,794
7006640	Company Labor & Burden	-
7000030	Contract Labor - General	67,540
7001110	Telecommunication equip (Telemetry)	-
7012410	Line Pipe & Accessories	26,786
7012270	Miscellaneous Materials (containment system)	43,227
7008060	SCADA	-
7016180	Freight - truck	-
7001190	Contract Engineering	29,116
7012290	Metering and Instrumentation	235,914
7012290	I&E Materials	-
7012200	Gas Treating	-
7012200	Dehydration	-
7012010	Compressor	-
7012350	Power	-
7013610	Vapor Recovery Unit	-
7012440	Separator & other pressure vessels	85,919
7012500	Tanks	144,894
7012100	Heater Treater	17,330
7012640	Flare & Accessories	11,646
7000010	Electrical Labor	29,116
7000010	Mechanical Labor	-
7012480	Rod Pumping unit & Pad	-
7012180	Pumping Unit Engine	-
7012350	Electrical Power (electrical cooperative construction costs)	23,293
TOTAL SURFACE EQUIPMENT - TANGIBLE		\$800,575
TOTAL SURFACE EQUIPMENT COST		\$ 800,575

ARTIFICIAL LIFT

7006640	Company Labor	2,500
7012180	Gas Lift Equipment	38,000
7012480	Rod Pumping, Sucker Rods & Rod Pump	-
7012140	Elect Sub Pumps (ESP)	-
7019350	Well Services-Well/Wellhead Services	20,000
7012270	Materials & Supplies-Tangible	13,000
7012550	Surface Wellhead Equipment	5,500
7012390	Pig Launchers/Receivers & Rel Equip	-
7011010	8% Contingency & Taxes	-
TOTAL ARTIFICIAL LIFT		79,000
TOTAL ARTIFICIAL LIFT COST		\$ 79,000

SUMMARY OF ESTIMATED DRILLING WELL COSTS

	TOTAL COST
TOTAL LOCATION COST	\$ 100,000
TOTAL DRILLING COST	\$ 2,617,704
TOTAL COMPLETIONS COST	\$ 3,780,000
TOTAL SURFACE EQUIPMENT COST	\$ 800,575
TOTAL ARTIFICIAL LIFT COST	\$ 79,000
GRAND TOTAL COST	\$7,377,279

Participant's Approval

Name of
 Company: _____
 Signature: _____
 Title: _____ Date: _____

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

DATE 5/22/2018
 DRILLING & LOCATION PREPARED BY MATTHEW RUGAARD
 COMPLETION PREPARED BY JOSH SHANNON
 FACILITIES PREPARED BY MATT HENSCHEN
 ARTIFICIAL LIFT PREPARED BY BILLY MOORE

Asset Team	PERMIAN			
Field	Diamondtail (Wolfcamp) - 17645	FORMATION:	WOLFCAMP	
Lease/Facility	Ramothorn Federal 22-32-14 WXY 7H			WILDCAT
Location	LEA COUNTY			DEVELOPMENT
Prospect	RANGER			X EXPLOITATION
				WORKOVER

Est Total Depth	16,919	Est Drilling Days	24.8	Est Completion Days	5.5
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LOCATION COST - INTANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
7001270	Location and Access	50,000
7001250	Land Broker Fees and Services	50,000
TOTAL LOCATION COST - INTANGIBLE		100,000

DRILLING COST - TANGIBLE

7012050	Conductor Pipe	40,000
7012050	Surface Casing	38,000
7012050	Intermediate Casing 1	136,000
7012050	Intermediate Casing 2	237,000
7012050	Production Casing	71,000
7012050	Drig Liner Hanger, Tieback Eq & Csg Accessories	55,000
7012550	Drilling Wellhead Equipment	50,000
7012040	Casing & Tubing Access	24,000
7012270	Miscellaneous MRO Materials	5,000
TOTAL DRILLING - TANGIBLE		656,000

DRILLING COST - INTANGIBLE

7019200	Drilling Rig Mob/Demob	50,000
7019220	Drilling Rig - day work/footage	620,833
7019040	Directional Drilling Services	209,750
7019020	Cement and Cementing Service Surface	20,000
7019020	Cement and Cementing Service Intermediate 1	25,000
7019020	Cement and Cementing Service Intermediate 2	45,000
7019020	Cement and Cementing Service Production	50,000
7019140	Mud Fluids & Services	58,500
7012310	Solids Control equipment	44,000
7012020	Bits	70,000
7019010	Casing Crew and Services	30,000
7016350	Fuel (Rig)	76,000
7019140	Fuel (Mud)	18,000
7001460	Water (non potable)	25,000
7019000	Well Logging Services	-
7019150	Mud Logging-geosteering	21,000
7019250	Stabilizers, Hole Openers, Underreamers (DH rentals)	15,000
7019110	Casing inspection/cleaning	15,000
7019110	Drill pipe/collar inspection services	10,000
7016180	Freight - truck	25,000
7001460	Water hauling and disposal (includes soil farming)	60,000
7001440	Vacuum Trucks	10,000
7000030	Contract Labor - general	30,000
7018150	Rental Tools and Equipment (surface rentals)	99,333
7018150	Rig Equipment and Misc.	12,417
7001110	Telecommunications Services	5,000
7001120	Consulting Services	116,717
7001400	Safety and Environmental	39,735
7018120	Rental Buildings (trailers)	19,867
7019310	Coring (sidewalls & analysis)	-
7011010	8% Contingency & Taxes	156,454
TOTAL DRILLING - INTANGIBLE		\$1,977,604

TOTAL DRILLING COST

\$2,633,604

COMPLETION - TANGIBLE

7012580	Tubing	50,000
7012040	Tubing Accessories (nipple, wireline entry)	5,000
7012550	Wellhead Equip	5,000
7012560	Packers - Completion Equipment	40,000
TOTAL COMPLETION - TANGIBLE		\$100,000

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

DATE 5/22/2018

Asset Team PERMIAN
Field Diamondtail (Wolfcamp) - 17645 FORMATION: WOLFCAMP
Lease/Facility Ramathorn Federal 22-32-14 WXY 7H

COMPLETION - INTANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
7001270	Location and Access (dress location after rig move, set anchors)	5,000
7019220	Drilling Rig During Completion	60,000
7019140	Mud Fluids & Services	-
7019030	Coiled Tubing Services (3 runs)	120,000
7019240	Snubbing Services	-
7019270	Pulling/Swab Units	-
7016350	Fuel (from drig)	-
7019010	Casing Crew and Services	-
7019020	Cement and Cementing Services	-
7019080	Well Testing Services (flow hand & equip)	105,000
7019320	Fracturing Services	2,250,000
7019330	Perforating	175,000
7019360	Wireline Services	10,000
7001460	Water Hauling & Disposal (frac fluids)	250,000
7016180	Freight - Truck (haul pipe; drig & compl)	10,000
7018150	BOP Rental & Testing	-
7018150	Rental Tools and Equipment (Incl drig; lightplant,hydra-walk)	-
7018150	CT Downhole Rental Equipment (ie. Bit, BHA)	-
7000030	Contract Labor - general	25,000
7001110	Telecommunications Services	90,000
7001400	Safety and Environmental	-
7001120	Consulting Services	40,000
7018150	Zipper Manifold	110,000
7019300	Frack Stack Rentals	40,000
7016190	Freight (Transportation Services)	-
7018150	Equipment Rental (w/o operator, frac tanks, lightplants)	65,000
7018120	Rental Buildings (trailers)	15,000
7000030	Contract Labor - Pumping (pump-down pumps)	60,000
7011010	8% Contingency & Taxes	250,000
TOTAL COMPLETION - INTANGIBLE		\$3,680,000

TOTAL COMPLETION COST

\$3,780,000

SURFACE EQUIPMENT - TANGIBLE

7012350	Misc. Piping, Fittings & Valves	85,794
7006640	Company Labor & Burden	-
7000030	Contract Labor - General	67,540
7001110	Telecommunication equip (Telemetry)	-
7012410	Line Pipe & Accessories	26,786
7012270	Miscellaneous Materials (containment system)	43,227
7008060	SCADA	-
7016180	Freight - truck	-
7001190	Contract Engineering	29,116
7012290	Metering and instrumentation	235,914
7012290	I&E Materials	-
7012200	Gas Treating	-
7012200	Dehydration	-
7012010	Compressor	-
7012350	Power	-
7012610	Vapor Recovery Unit	-
7012440	Separator & other pressure vessels	85,919
7012500	Tanks	144,894
7012100	Heater Treater	17,330
7012640	Flare & Accessories	11,646
7000010	Electrical Labor	29,116
7000010	Mechanical Labor	-
7012480	Rod Pumping unit & Pad	-
7012180	Pumping Unit Engine	-
7012350	Electrical Power (electrical cooperative construction costs)	23,293
TOTAL SURFACE EQUIPMENT - TANGIBLE		\$800,575

TOTAL SURFACE EQUIPMENT COST

\$ 800,575

ARTIFICIAL LIFT

7006640	Company Labor	2,500
7012180	Gas Lift Equipment	38,000
7012480	Rod Pumping, Sucker Rods & Rod Pump	-
7012140	Elect Sub Pumps (ESP)	-
7019350	Well Services-Well/Wellhead Services	20,000
7012270	Materials & Supplies-Tangible	13,000
7012550	Surface Wellhead Equipment	5,500
7012390	Pig Launchers/Receivers & Rel Equip	-
7011010	8% Contingency & Taxes	-
TOTAL ARTIFICIAL LIFT		79,000

TOTAL ARTIFICIAL LIFT COST

\$ 79,000

SUMMARY OF ESTIMATED DRILLING WELL COSTS

TOTAL COST

TOTAL LOCATION COST	\$ 100,000
TOTAL DRILLING COST	\$ 2,633,604
TOTAL COMPLETIONS COST	\$ 3,780,000
TOTAL SURFACE EQUIPMENT COST	\$ 800,575
TOTAL ARTIFICIAL LIFT COST	\$ 79,000
GRAND TOTAL COST	\$7,393,179

Participant's Approval

Name of
Company: _____
Signature: _____
Title: _____ Date: _____

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

**AMENDED APPLICATION OF MARATHON OIL PERMIAN LLC FOR A NON-STANDARD SPACING AND PRORATION UNIT AND COMPULSORY POOLING,
LEA COUNTY, NEW MEXICO.**

CASE NO. 16420

AFFIDAVIT

STATE OF Texas)
COUNTY OF Ybais) ss.

Ethan Perry, being duly sworn, deposes and states:

1. I am over the age of 18, I am a geologist for Marathon Oil Permian LLC, and have personal knowledge of the matters stated herein. I have been qualified by the Oil Conservation Division ("Division") as an expert petroleum geologist.
2. **Exhibit A** is a structure map of the top of the Wolfcamp formation. The proposed project area is identified by a black-dashed box. The proposed horizontal location is identified by a blue line, and the proposed wells are numbered 1 and 2.
3. Exhibit A identifies Wolfcamp wells in the vicinity of the proposed wells, with a line of cross-section, running from A to A'.
4. Exhibit A shows that the structure dips slightly down to the east.
5. **Exhibit B** is a Wolfcamp cross section. It is a stratigraphic cross-section hung on the top of the Wolfcamp. The well logs on the cross-section give a representative sample of the Wolfcamp formation in the area. Note that the gamma ray log in the middle well on the exhibit exhibits API unit scaling issues across the interval of interest. The target zone for the well is the

Wolfcamp Y Sand and Wolfcamp A, as identified by the words "Producing Zone" and the shaded area across the cross section. That zone is continuous across the well unit.

6. **Exhibit C** is a Gross Interval Isochore of the Wolfcamp - Wolfcamp B. The Wolfcamp - Wolfcamp B thickness is relatively uniform across the proposed well unit.

7. I conclude from the maps that:

- a. The horizontal spacing and proration unit is justified from a geologic standpoint.
- b. There are no structural impediments or faulting that will interfere with horizontal development.
- c. Each quarter quarter section in the unit will contribute more or less equally to production.

8. The preferred well orientation in this area is north-south. This is because the inferred orientation of maximum horizontal stress is roughly east-west at this location.

Ethan Perry
Ethan Perry

SUBSCRIBED AND SWORN to before me this 18th day of September, 2018 by Ethan Perry, on behalf of Marathon Oil Permian LLC.

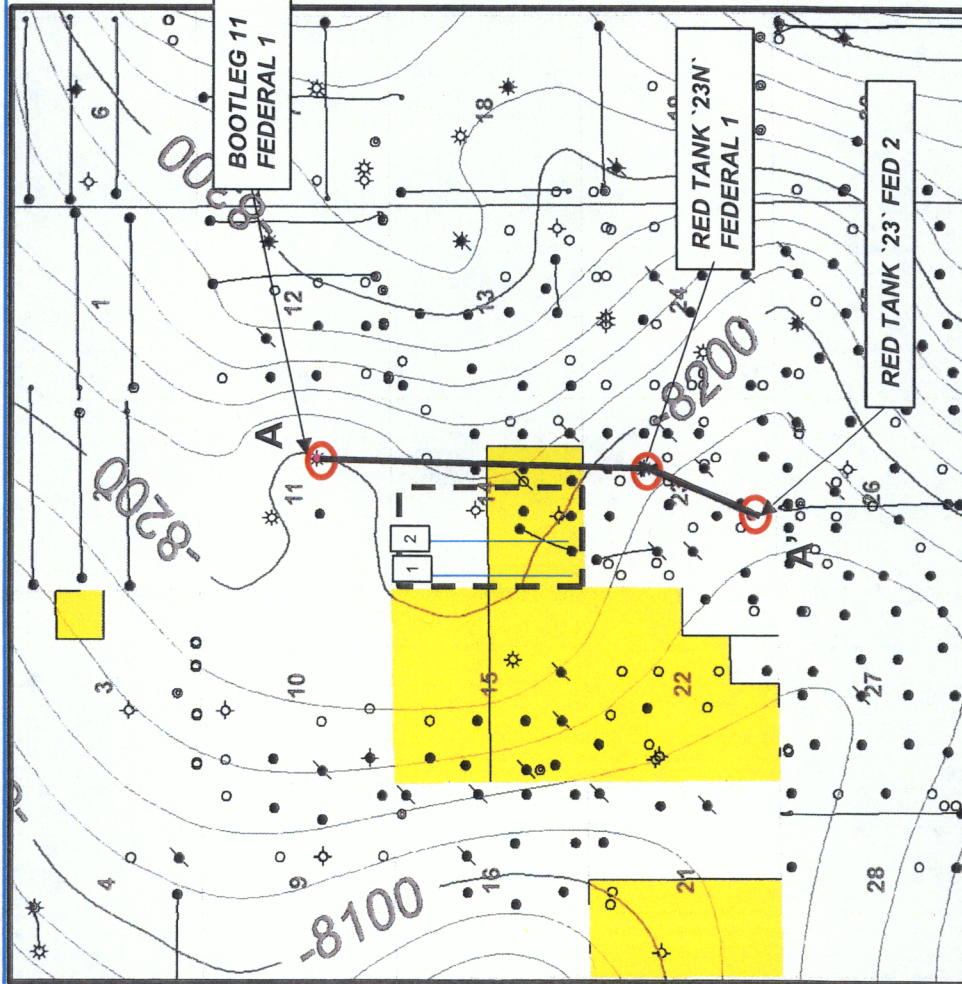
Jessica Gorman
Notary Public

My commission expires: 1/23/2019



Ramathorn Federal 22 32 14 FB 22H, SB 8H, TB 1H, WA 2H, WXY 7H

Structure Map – Top of Wolfcamp (SSTVD)



Map Legend



MRO - Horizontal Location



No Offsetting WXY/A Producers



MRO Acreage



Project Area

C.I. = 20'



1 mile

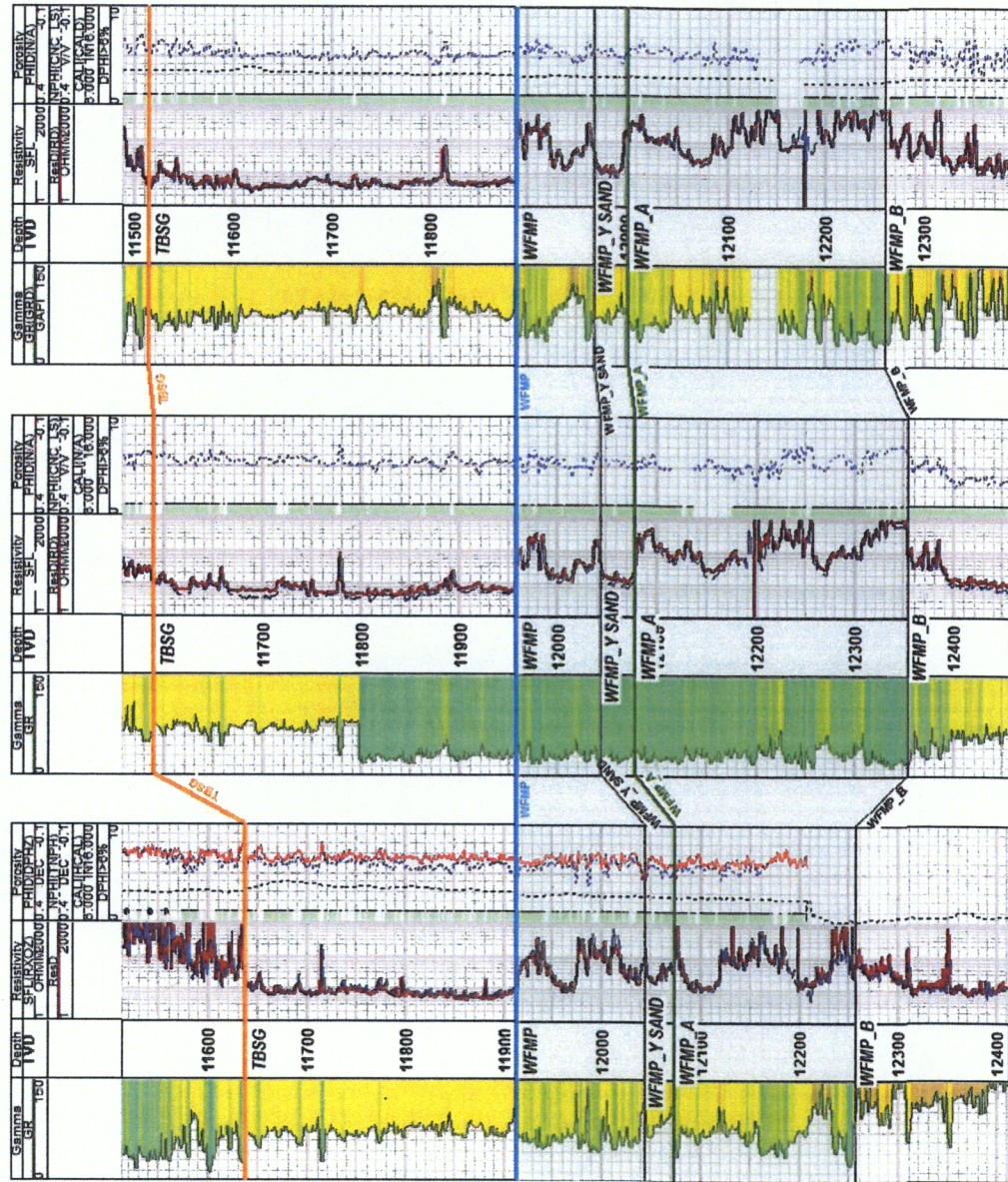
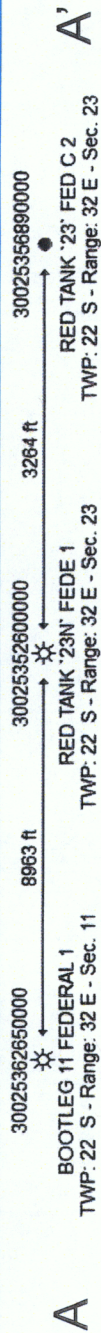
- 1 Ramathorn Federal 22 32 14 WA 2H
- 2 Ramathorn Federal 22 32 14 WXY 7H

EXHIBIT

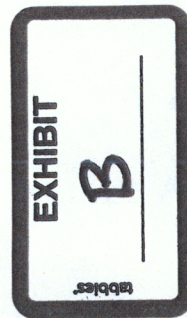
A

Ramathorn Federal 22 32 14 FB 22H, SB 8H, TB 1H, WA 2H, WXY 7H

Stratigraphic Cross Section (Top Wolfcamp Datum)

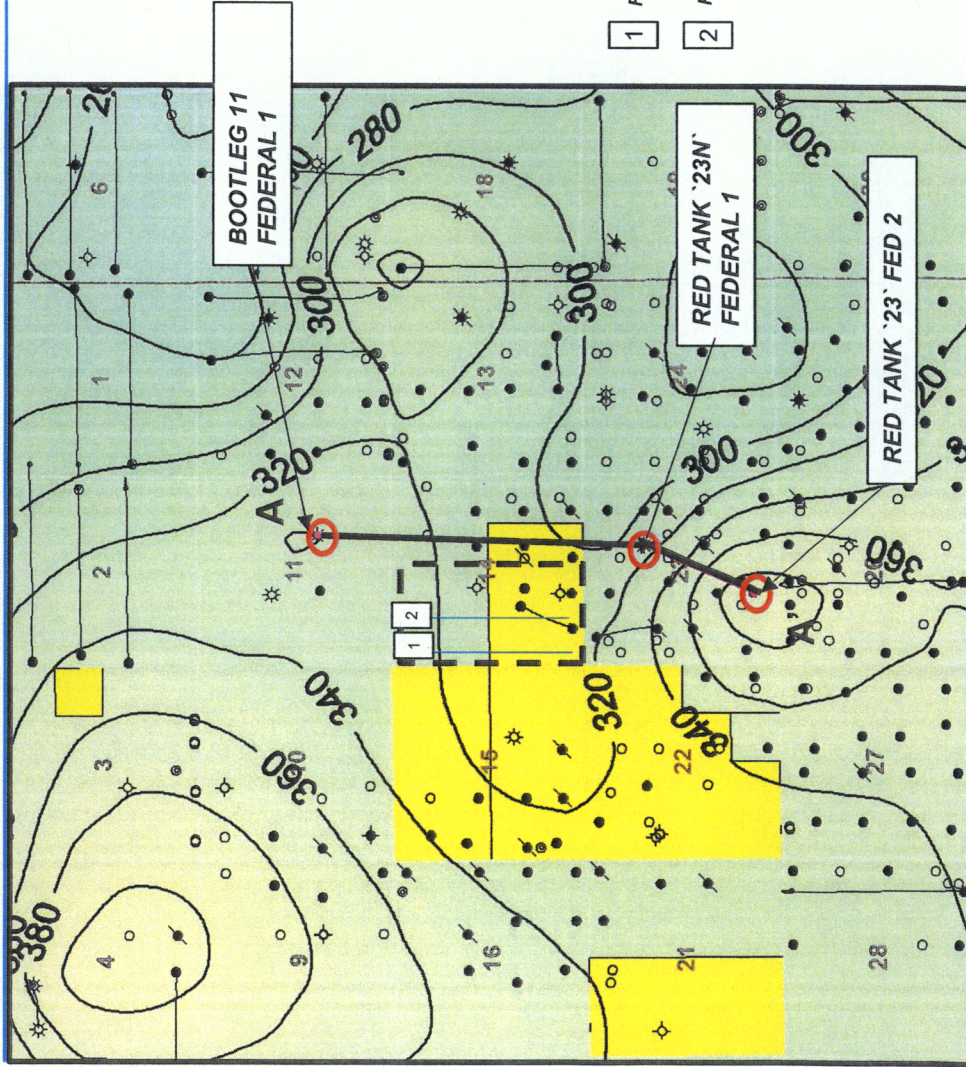


Producing Zone



Ramathorn Federal 22 32 14 FB 22H, SB 8H, TB 1H, WA 2H, WXY 7H

Gross Interval Isochore – Wolfcamp - Wolfcamp B



1 Ramathorn Federal 22 32 14 WA 2H

2 Ramathorn Federal 22 32 14 WXY 7H

Map Legend



MRO - Horizontal Location



No Offsetting WXY/A Producers



MRO Acreage



Project Area

C.I. = 20'



1 mile

EXHIBIT

C

tabbles

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

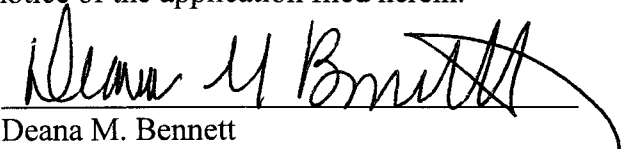
**AMENDED APPLICATION OF MARATHON OIL PERMIAN LLC FOR A NON-STANDARD SPACING AND PRORATION UNIT AND COMPULSORY POOLING,
LEA COUNTY, NEW MEXICO.**

CASE NO. 16420

AFFIDAVIT

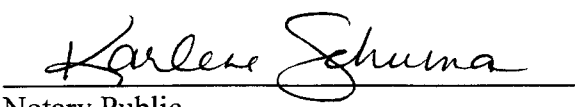
STATE OF NEW MEXICO)
) ss.
COUNTY OF BERNALILLO)

Deana M. Bennett, attorney in fact and authorized representative of Marathon Oil Permian LLC, the Applicant herein, being first duly sworn, upon oath, states that the above-referenced Application was provided under the notice letter and that proof of receipt is attached hereto. Marathon has conducted a good faith, diligent effort to find the names and correct addresses for the interest owners entitled to receive notice of the application filed herein.


Deana M. Bennett

SUBSCRIBED AND SWORN to before me this 19th day of September, 2018 by Deana M. Bennett.

My commission expires: 


Notary Public

Transaction Report Details - CertifiedPro.net
Firm Mail Book ID= 150123
Generated: 9/19/2018 12:03:48 PM

Certified Mail Article Number	Date Created	Reference Number	Name 1	Name 2	Address	City	State	Zip	Certified Mailing Status	Service Options	Mail Delivery Date
9314869904300050256604	2018-08-31 9:48 AM	81363-0163	TRAINER PARTNERS LTD		PO BOX 3788	MIDLAND	TX	79702	Delivered	Return Receipt - Electronic	09-17-2018
9314869904300050256598	2018-08-31 9:48 AM	81363-0163	LOSEE ELIZABETH		328 SIERRA PL	ALBUQUERQUE	NM	87108	To be Returned	Return Receipt - Electronic	09-05-2018
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9314869904300050256574	2018-08-31 9:48 AM	81363-0163	PRINCE F IV		2 WISCONSIN CIR	CHEY CHASE	MD	20815	To be Returned	Return Receipt - Electronic	09-18-2018
9314869904300050256567	2018-08-31 9:48 AM	81363-0163	RANSOME-LOSEE ANNE		3505 CALLE CUERVO #218	ALBUQUERQUE	NM	87046	Delivered	Return Receipt - Electronic	09-06-2018
9314869904300050256550	2018-08-31 9:48 AM	81363-0163	EOG RESOURCES INC		5509 Champions Drive	Midland	TX	79706	Delivered	Return Receipt - Electronic	09-04-2018
9314869904300050256543	2018-08-31 9:48 AM	81363-0163	DEVON ENERGY PROD CO LP		333 W SHERIDAN AVE	OKLAHOMA CITY	OK	73102	Delivered	Return Receipt - Electronic	09-04-2018
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9314869904300050256475	2018-08-31 9:48 AM	81363-0163	The Roach Foundation		100 Throckmorton Street, Suite 480	Fort Worth	TX	76102	To be Returned	Return Receipt - Electronic	
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9314869904300050256406	2018-08-31 9:48 AM	81363-0163	MAPRO-NET, a Texas general partnership		100 Park Avenue, Suite 1007	Fort Worth	TX	76102	Delivered	Return Receipt - Electronic	
9314869904300050256390	2018-08-31 9:48 AM	81363-0163	Kimbell Art Foundation		3807 South County Rd. 1135	Midland	TX	79706	Mailed	Return Receipt - Electronic	
9314869904300050256383	2018-08-31 9:48 AM	81363-0163	Wade S. Anderson		3807 South County Rd. 1135	Midland	TX	79706	Mailed	Return Receipt - Electronic	
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9314869904300050256369	2018-08-31 9:48 AM	81363-0163	Curtis A. Anderson		210 Park Avenue, Suite 700	Oklahoma City	OK	73102	To be Returned	Return Receipt - Electronic	
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9314869904300050256345	2018-08-31 9:48 AM	81363-0163	COG Operating LLC								

Karlene Schuman
Modrall Spering Roehl Harris & Sisk P.A.
500 Fourth Street, Suite 1000
Albuquerque NM 87114



Ramathorn
81363-0163



Firm Mailing Book ID: 150123

Line	Article Number	Name, Street & P.O. Address	Postage	Fee	R.R.Fee	Reference	Rest.Del.Fee Contents
1	9314 8699 0430 0050 2563 45	COG Operating LLC 600 West Illinois Ave. Midland, TX 79701 Midland TX 79701	\$1.63	\$3.45	\$1.50	81363-0163	\$0.00 Notice
2	9314 8699 0430 0050 2563 52	RKI Exploration and Production 210 Park Avenue, Suite 700 Oklahoma City, OK 73102 Oklahoma City OK 73102	\$1.63	\$3.45	\$1.50	81363-0163	\$0.00 Notice
3	9314 8699 0430 0050 2563 69	Curtis A. Anderson 600 W. Illinois, Ste. 701 Midland TX 79701	\$1.63	\$3.45	\$1.50	81363-0163	\$0.00 Notice
4	9314 8699 0430 0050 2563 76	Allan C. Anderson 3807 South County Rd. 1135 Midland TX 79706	\$1.63	\$3.45	\$1.50	81363-0163	\$0.00 Notice
5	9314 8699 0430 0050 2563 83	Wade S. Anderson 3807 South County Rd. 1135 Midland TX 79706	\$1.63	\$3.45	\$1.50	81363-0163	\$0.00 Notice
6	9314 8699 0430 0050 2563 90	Kimbell Art Foundation 301 Commerce Street, Suite 2240 Fort Worth TX 76102	\$1.63	\$3.45	\$1.50	81363-0163	\$0.00 Notice
7	9314 8699 0430 0050 2564 06	MAP00-NET, a Texas general partnership 100 Park Avenue, Suite 1007 Oklahoma City OK 73102	\$1.63	\$3.45	\$1.50	81363-0163	\$0.00 Notice
8	9314 8699 0430 0050 2564 13	Bill Burton 301 Commerce Street, Suite 3301 Fort Worth TX 76102	\$1.63	\$3.45	\$1.50	81363-0163	\$0.00 Notice
9	9314 8699 0430 0050 2564 20	Ben J. Fortson III Children's Trust , Ben J. Fortson III, Trustee 301 Commerce Street, Suite 3301 Fort Worth TX 76102	\$1.63	\$3.45	\$1.50	81363-0163	\$0.00 Notice
10	9314 8699 0430 0050 2564 37	Robert C. Grable 201 Main Street, Suite 2500 Fort Worth TX 76102	\$1.63	\$3.45	\$1.50	81363-0163	\$0.00 Notice
11	9314 8699 0430 0050 2564 44	MWB 1998 Trust, Ben J. Fortson, Jr., Trustee 301 Commerce Street, Suite 3301 Fort Worth TX 76102	\$1.63	\$3.45	\$1.50	81363-0163	\$0.00 Notice
12	9314 8699 0430 0050 2564 51	CCB 1998 Trust, Ben J. Fortson, Jr., Trustee 301 Commerce Street, Suite 3301 Fort Worth TX 76102	\$1.63	\$3.45	\$1.50	81363-0163	\$0.00 Notice
13	9314 8699 0430 0050 2564 68	DCB 1998 Trust, Ben J. Fortson, Jr., Trustee 301 Commerce Street, Suite 3301 Fort Worth TX 76102	\$1.63	\$3.45	\$1.50	81363-0163	\$0.00 Notice
14	9314 8699 0430 0050 2564 75	The Roach Foundation 100 Throckmorton Street, Suite 480 Fort Worth TX 76102	\$1.63	\$3.45	\$1.50	81363-0163	\$0.00 Notice

Karlene Schuman
Modrall Sperling Roehl Harris & Sisk P.A.
500 Fourth Street, Suite 1000
Albuquerque NM 87114



Firm Mailing Book ID: 150123



Line	Article Number	Name, Street & P.O. Address	Postage	Fee	R.R.Fee	Reference	Rest.Del.Fee Contents
15	9314 8699 0430 0050 2564 82	Sundance Minerals I P.O. Box 17224 Fort Worth TX 76102	\$1.63	\$3.45	\$1.50	81363-0163	\$0.00 Notice
16	9314 8699 0430 0050 2564 99	Crownrock Minerals, LP P.O. Box 51933 Midland TX 79710	\$1.63	\$3.45	\$1.50	81363-0163	\$0.00 Notice
17	9314 8699 0430 0050 2565 05	XTO Holdings, LLC 810 Houston Street Fort Worth TX 76102	\$1.63	\$3.45	\$1.50	81363-0163	\$0.00 Notice
18	9314 8699 0430 0050 2565 12	XTO HOLDINGS LLC 22777 SPRINGWOODS VILLAGE PKWY SPRING TX 77389	\$1.63	\$3.45	\$1.50	81363-0163	\$0.00 Notice
19	9314 8699 0430 0050 2565 29	CONOCO PHILLIPS CO PO BOX 7500 BARTLESVILLE OK 74005	\$1.63	\$3.45	\$1.50	81363-0163	\$0.00 Notice
20	9314 8699 0430 0050 2565 36	ECHO PROD INC PO BOX 1210 GRAHAM TX 76450	\$1.63	\$3.45	\$1.50	81363-0163	\$0.00 Notice
21	9314 8699 0430 0050 2565 43	DEVON ENERGY PROD CO LP 333 W SHERIDAN AVE OKLAHOMA CITY OK 73102	\$1.63	\$3.45	\$1.50	81363-0163	\$0.00 Notice
22	9314 8699 0430 0050 2565 50	EOG RESOURCES INC 5509 Champions Drive Midland TX 79706	\$1.63	\$3.45	\$1.50	81363-0163	\$0.00 Notice
23	9314 8699 0430 0050 2565 67	RANSOME-LOSEE ANNE 3505 CALLE CUERVO #218 ALBUQUERQUE NM 87046	\$1.63	\$3.45	\$1.50	81363-0163	\$0.00 Notice
24	9314 8699 0430 0050 2565 74	PRINCE F IV 2 WISCONSIN CIR CHEVY CHASE MD 20815	\$1.63	\$3.45	\$1.50	81363-0163	\$0.00 Notice
25	9314 8699 0430 0050 2565 81	BURLINGTON RES OIL & GAS CO LP PO BOX 51810 MIDLAND TX 79710	\$1.63	\$3.45	\$1.50	81363-0163	\$0.00 Notice
26	9314 8699 0430 0050 2565 98	LOSEE ELIZABETH 328 SIERRA PL ALBUQUERQUE NM 87108	\$1.63	\$3.45	\$1.50	81363-0163	\$0.00 Notice
27	9314 8699 0430 0050 2566 04	TRAINER PARTNERS LTD PO BOX 3788 MIDLAND TX 79702	\$1.63	\$3.45	\$1.50	81363-0163	\$0.00 Notice
Totals:			\$44.01	\$93.15	\$40.50	Grand Total:	\$0.00 \$177.66

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Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

I, Jennifer Warden, Administrative Coordinator 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
September 07, 2018
and ending with the issue dated
September 07, 2018.


Administrative Coordinator

Sworn and subscribed to before me this
7th day of September 2018.


Business Manager

My commission expires

January 29, 2019

(Seal)



OFFICIAL SEAL
GUSSIE BLACK
Notary Public
State of New Mexico

My Commission Expires 1-29-19

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 September 7, 2018

CASE No. 16418: Notice to all affected parties, as well as the heirs and devisees of COG Operating LLC; RKI Exploration and Production; Curtis A. Anderson; Allan C. Anderson; Wade S. Anderson; Kimbell Art Foundation; MAP00-NET, a Texas general partnership; Bill Burton; Ben J. Fortson III Children's Trust; Robert C. Grable; MWB Trust; DCB 1998 Trust; Ben J. Fortson, Jr., Trustee; CCB 1998 Trust; Ben J. Fortson, Jr., Trustee; Sundance Minerals I; Crownrock Minerals, LP; XTO Holdings, LLC; XTO HOLDINGS LLC; CONOCO PHILLIPS CO; ECHO PROD INC; DEVON ENERGY PROD CO LP; EOG RESOURCES INC; RANSOME-LOSEE ANNE; PRINCE F IV; BURLINGTON RES OIL & GAS CO LP; LOSEE ELIZABETH; and TRAINER PARTNERS LTD of Marathon Oil and compulsory pooling, Lea 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 20, 2018, to consider this application. Applicant seeks an order from the Division: approving the creation of a non-standard spacing and proration unit and pooling all uncommitted mineral interests within a Bone Spring horizontal spacing unit underlying the W/2 W/2 of Section 14, Township 22 South, Range 32 East, NMPM, Lea County, New Mexico. This spacing unit will be dedicated to the Ramothorn Federal Com 22 32 14 TB 1H and Ramothorn Federal Com 22 32 14 FB 22H wells, to be horizontally drilled. The producing area for these wells will be orthodox. 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 well, and allowing a one year period between when the wells are drilled and when the first well is completed. Said area is located approximately 26 miles northwest of Loving, New Mexico.

CASE No. 16419: Notice to all affected parties, as well as the heirs and devisees of COG Operating LLC; RKI Exploration and Production; Curtis A. Anderson; Allan C. Anderson; Wade S. Anderson; Kimbell Art Foundation; MAP00-NET, a Texas general partnership; Bill Burton; Ben J. Fortson III Children's Trust; Robert C. Grable; MWB Trust; DCB 1998 Trust; Ben J. Fortson, Jr., Trustee; CCB 1998 Trust; Ben J. Fortson, Jr., Trustee; Sundance Minerals I; Crownrock Minerals, LP; XTO Holdings, LLC; XTO HOLDINGS LLC; CONOCO PHILLIPS CO; ECHO PROD INC; DEVON ENERGY PROD CO LP; EOG RESOURCES INC; RANSOME-LOSEE ANNE; PRINCE F IV; BURLINGTON RES OIL & GAS CO LP; LOSEE ELIZABETH; and TRAINER PARTNERS LTD of Marathon Oil and compulsory pooling, Lea 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 20, 2018, to consider this application. Applicant seeks an order from the Division: approving the creation of a non-standard spacing and proration unit and pooling all uncommitted mineral interests within a Bone Spring horizontal spacing unit underlying the E/2 W/2 of Section 14, Township 22 South, Range 32 East, NMPM, Lea County, New Mexico. This spacing unit will be dedicated to the Ramothorn Federal Com 22 32 14 SB 8H well, to be horizontally drilled. The producing area for this well will be orthodox. Also to be considered will be the cost of drilling and completing said well, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Marathon as operator of the well, and a 200% charge for risk involved in drilling said well, and allowing a one year period between when the well is drilled and when the well is completed. Said area is located approximately 26 miles northwest of Loving, New Mexico.

CASE No. 16420: Notice to all affected parties, as well as the heirs and devisees of COG Operating LLC; RKI Exploration and Production; Curtis A. Anderson; Allan C. Anderson; Wade S. Anderson; Kimbell Art Foundation; MAP00-NET, a Texas general partnership; Bill Burton; Ben J. Fortson III Children's Trust; Robert C. Grable; MWB Trust; DCB 1998 Trust; Ben J. Fortson, Jr., Trustee; CCB 1998 Trust; Ben J. Fortson, Jr., Trustee; Sundance Minerals I; Crownrock Minerals, LP; XTO Holdings, LLC; XTO HOLDINGS LLC; CONOCO PHILLIPS CO; ECHO PROD INC; DEVON ENERGY PROD CO LP; EOG RESOURCES INC; RANSOME-LOSEE ANNE; PRINCE F IV; BURLINGTON RES OIL & GAS CO LP; LOSEE ELIZABETH; and TRAINER PARTNERS LTD of Marathon Oil and compulsory pooling, Lea 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 20, 2018, to consider this application. Applicant seeks an order from the Division: approving the creation of a non-standard spacing and proration unit and pooling all uncommitted mineral interests within a Wolfcamp horizontal spacing unit underlying the W/2 of Section 14, Township 22 South, Range 32 East, NMPM, Lea County, New Mexico. This spacing unit will be dedicated to the Ramothorn Federal Com 22 32 14 WA 2H and Ramothorn Federal Com 22 32 14 WXY 7H wells, to be horizontally drilled. The producing area for these wells will be orthodox. 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, and allowing a one year period between when the wells are drilled and when the first well is completed. Said area is located approximately 26 miles northwest of Loving, New Mexico. #33201

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