

Before the Oil Conservation Division Examiner Hearing February 7-8, 2019

Case No. 20220

Will Kane 15 WXY Fee 3H, Will Kane 15 WB Fee 4H, Will Kane 15 WA Fee 6H, Will Kane 15 WXY Fee 10H, Will Kane 15 WB Fee 11H

Case No. 20221:

Will Kane 15 TB Fee 7H



Exhibit 1

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

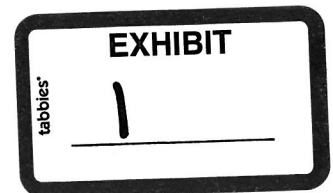
**APPLICATION OF MARATHON
OIL PERMIAN LLC FOR COMPULSORY
POOLING, LEA COUNTY, NEW MEXICO.**

CASE NO. 20220

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 pooling all uncommitted mineral interests within a Wolfcamp horizontal spacing unit underlying the E/2 of Section 15, Township 24 South, Range 34 East, NMPM, Lea County, New Mexico. In support of this application, Marathon states as follows:

1. Marathon is an interest owner in the subject lands and has a right to drill a well thereon.
2. Marathon seeks to dedicate the E/2 of Section 15, Township 24 South, Range 34 East, NMPM, Lea County, New Mexico to form a 320-acre, more or less, spacing unit.
3. Marathon plans to drill the **Will Kane 15 WXY Fee 3H, Will Kane 15 WB Fee 4H, Will Kane 15 WA Fee 6H, Will Kane 15 WXY Fee 10H, and Will Kane 15 WB Fee 11H** 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 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 wells under the order issued by the Division.

WHEREFORE, this case is set for hearing before an Examiner of the Oil Conservation Division on January 24, 2019, Marathon requests that, after notice and hearing as required by law, the Division enter its order:

A. Pooling all mineral interests in the Wolfcamp formation underlying a horizontal spacing unit within the E/2 of Section 15, Township 24 South, Range 34 East, NMPM, Lea County, New Mexico;

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

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

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

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

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

Respectfully submitted,

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

By: Deana M. Bennett

Deana M. Bennett

Zoe E. Lees

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500 Fourth Street NW, Suite 1000

Albuquerque, New Mexico 87103-2168

Telephone: 505.848.1800

Attorneys for Applicant

CASE NO. _____. Application of Marathon Oil Permian LLC for compulsory pooling, Lea County, New Mexico. Applicant seeks an order from the Division pooling all uncommitted mineral interests within a Wolfcamp spacing unit underlying the E/2 of Section 15, Township 24 South, Range 34 East, NMPM, Lea County, New Mexico. This spacing unit will be dedicated to the **Will Kane 15 WXY Fee 3H, Will Kane 15 WB Fee 4H, Will Kane 15 WA Fee 6H, Will Kane 15 WXY Fee 10H, and Will Kane 15 WB Fee 11H** wells, to be horizontally drilled. The producing area for the 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 well, 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 wells are completed. Said area is located approximately 17 miles northwest of Jal, New Mexico.

Exhibit 2

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

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

CASE NO. 20221

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 pooling all uncommitted mineral interests within a Bone Spring horizontal spacing unit underlying the E/2 of Section 15, Township 24 South, Range 34 East, NMPM, Lea County, New Mexico. In support of this application, Marathon states as follows:

1. Marathon is an interest owner in the subject lands and has a right to drill a well thereon.
2. Marathon seeks to dedicate the E/2 of Section 15, Township 24 South, Range 34 East, NMPM, Lea County, New Mexico to form a 320-acre, more or less, spacing unit.
3. Marathon plans to drill the **Will Kane 15 TB Fee 7 H** well to a depth sufficient to test the Bone Spring formation. This well will be horizontally drilled.
4. This well 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 Bone Spring formation underlying the proposed spacing unit to participate in the drilling of the well or to otherwise commit their interests to the well.

6. The pooling of all interests in the Bone Spring 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 well is drilled and completion of the well under the order issued by the Division.

WHEREFORE, this case is set for hearing before an Examiner of the Oil Conservation Division on January 24, 2019, Marathon requests that, after notice and hearing as required by law, the Division enter its order:

A. Pooling all mineral interests in the Bone Spring formation underlying a horizontal spacing unit within the E/2 of Section 15, Township 24 South, Range 34 East, NMPM, Lea County, New Mexico;

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

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

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

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

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

Respectfully submitted,

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

By: Deana M. Bennett

Deana M. Bennett

Zoe E. Lees

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500 Fourth Street NW, Suite 1000

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Telephone: 505.848.1800

Attorneys for Applicant

CASE NO. _____. Application of Marathon Oil Permian LLC for compulsory pooling, Lea County, New Mexico. Applicant seeks an order from the Division pooling all uncommitted mineral interests within a Bone Spring spacing unit underlying the E/2 of Section 15, Township 24 South, Range 34 East, NMPM, Lea County, New Mexico. This spacing unit will be dedicated to the **Will Kane 15 TB Fee 7 H** 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. Mexico. Said area is located approximately 17 miles northwest of Jal, New Mexico.

Exhibit 3

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
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Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
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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 2220		³ Pool Name ANTELOPE RIDGE; WOLFCAMP					
⁴ Property Code		⁵ Property Name WILL KANE 15 WXY FEE						⁶ Well Number 3H	
⁷ OGRID No. 372098		⁸ Operator Name MARATHON OIL PERMIAN LLC						⁹ Elevation 3508'	
¹⁰ Surface Location									
UL or lot no. O	Section 15	Township 24S	Range 34E	Lot Idn	Feet from the 520	North/South line SOUTH	Feet from the 1389	East/West line EAST	County LEA
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. B	Section 15	Township 24S	Range 34E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 2306	East/West line EAST	County LEA
¹² Dedicated Acres 320.0		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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

Infill Well CORNER COORDINATES NAD 83, SPCS NM EAST A - X: 812076.96' / Y: 446621.80' B - X: 814712.56' / Y: 446628.14' C - X: 814761.62' / Y: 441354.86' D - X: 812116.92' / Y: 441336.41' CORNER COORDINATES NAD 27, SPCS NM EAST A - X: 770892.37' / Y: 446562.88' B - X: 773527.90' / Y: 446569.19' C - X: 773576.71' / Y: 441296.05' D - X: 770932.07' / Y: 441277.63' LAST TAKE POINT/BOTTOM HOLE LOCATION 100' FNL 2306' FEL, SECTION 15 NAD 83, SPCS NM EAST X: 812407.72' / Y: 446522.59' LAT: 32.22452725N / LON: -103.45675156W NAD 27, SPCS NM EAST X: 771223.12' / Y: 446463.67' LAT: 32.22440262N / LON: -103.45627717W FIRST TAKE POINT 100' FSL 2315' FEL, SECTION 15 NAD 83, SPCS NM EAST X: 812446.16' / Y: 441438.71' LAT: 32.21055289N / LON: -103.45676137W NAD 27, SPCS NM EAST X: 771261.31' / Y: 441379.92' LAT: 32.21042818N / LON: -103.45628785W KICK OFF POINT 100' FSL 2315' FEL, SECTION 15 NAD 83, SPCS NM EAST X: 812446.16' / Y: 441438.71' LAT: 32.21055289N / LON: -103.45676137W NAD 27, SPCS NM EAST X: 771261.31' / Y: 441379.92' LAT: 32.21042818N / LON: -103.45628785W SURFACE HOLE LOCATION 520' FSL 1389' FEL, SECTION 15 NAD 83, SPCS NM EAST X: 813367.40' / Y: 441865.26' LAT: 32.21170462N / LON: -103.45377177W NAD 27, SPCS NM EAST X: 772182.54' / Y: 441806.45' LAT: 32.21157987N / LON: -103.45329831W SHEET 1 OF 3 JOB No. R3973_001_A REV 0 JCS 1/17/2019	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature _____ Date _____ Printed Name _____ E-mail Address _____ 18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey _____ Signature and Seal of Professional Surveyor: _____ Certificate Number _____	

Distances/areas relative to NAD 83 Combined Scale Factor: 0.99981187 Convergence: 0.43490035°

EXHIBIT
3

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
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State of New Mexico
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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 2220	³ Pool Name ANTELOPE RIDGE; WOLFCAMP
⁴ Property Code	⁵ Property Name WILL KANE 15 WB FEE	⁶ Well Number 4H
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN LLC	⁹ Elevation 3508'

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
O	15	24S	34E		520	SOUTH	1359	EAST	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
B	15	24S	34E		100	NORTH	2145	EAST	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.

Infill Well CORNER COORDINATES NAD 83, SPCS NM EAST A - X: 812076.96' / Y: 446621.80' B - X: 814712.56' / Y: 446628.14' C - X: 814761.62' / Y: 441354.86' D - X: 812116.92' / Y: 441336.41' CORNER COORDINATES NAD 27, SPCS NM EAST A - X: 770892.37' / Y: 446562.88' B - X: 773527.90' / Y: 446569.19' C - X: 773576.71' / Y: 441296.05' D - X: 770932.07' / Y: 441277.63' LAST TAKE/ BHL LAST TAKE POINT/BOTTOM HOLE LOCATION 100' FNL 2145' FEL, SECTION 15 NAD 83, SPCS NM EAST X: 812568.45' / Y: 446522.98' LAT: 32.22452471N / LON: -103.45623186W NAD 27, SPCS NM EAST X: 771383.84' / Y: 446464.06' LAT: 32.22440007N / LON: -103.45575750W FIRST TAKE POINT 100' FSL 2145' FEL, SECTION 15 NAD 83, SPCS NM EAST X: 812615.74' / Y: 441439.89' LAT: 32.21055234N / LON: -103.45621310W NAD 27, SPCS NM EAST X: 771430.88' / Y: 441381.10' LAT: 32.21042762N / LON: -103.45573960W KICK OFF POINT 100' FSL 2145' FEL, SECTION 15 NAD 83, SPCS NM EAST X: 812615.74' / Y: 441439.89' LAT: 32.21055234N / LON: -103.45621310W NAD 27, SPCS NM EAST X: 771430.88' / Y: 441381.10' LAT: 32.21042762N / LON: -103.45573960W SURFACE HOLE LOCATION 520' FSL 1359' FEL, SECTION 15 NAD 83, SPCS NM EAST X: 813397.33' / Y: 441865.15' LAT: 32.21170365N / LON: -103.45367498W NAD 27, SPCS NM EAST X: 772212.48' / Y: 441806.34' LAT: 32.21157890N / LON: -103.45320153W KOP/ FIRST TAKE SHL SHEET 1 OF 3 JOB No. R3973_001_B REV 0 JCS 1/17/2019	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature _____ Date _____ Printed Name _____ E-mail Address _____ ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey _____ Signature and Seal of Professional Surveyor: _____ Certificate Number _____
--	---

Distances/areas relative to NAD 83 Combined Scale Factor: 0.99981187 Convergence: 0.43490035°

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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 2220	³ Pool Name ANTELOPE RIDGE; WOLFCAMP
⁴ Property Code	⁵ Property Name WILL KANE 15 WA FEE	⁶ Well Number 6H
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN LLC	⁹ Elevation 3508'

¹⁰ Surface Location

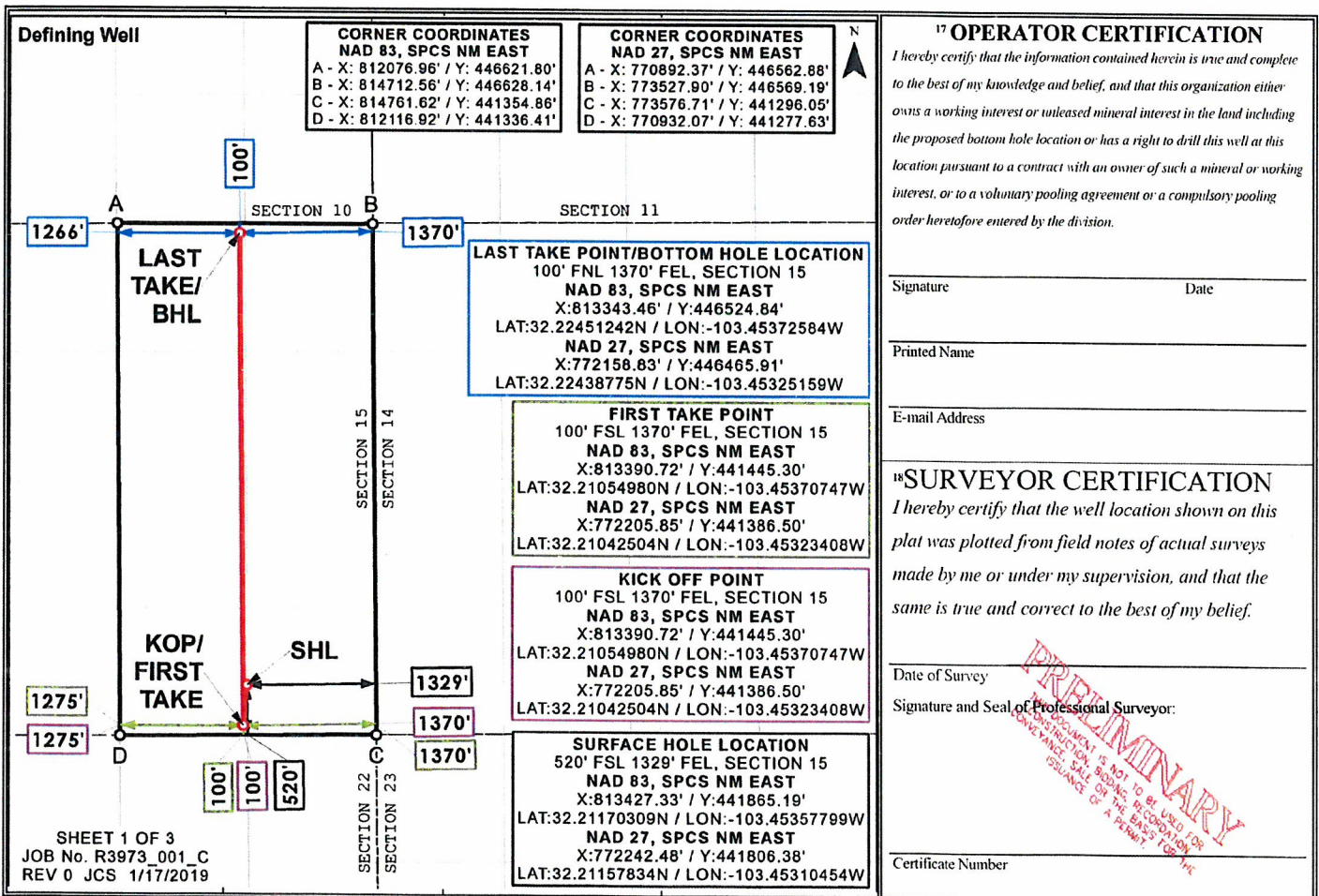
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	15	24S	34E		520	SOUTH	1329	EAST	LEA

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
B	15	24S	34E		100	NORTH	1370	EAST	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.



Distances/areas relative to NAD 83 Combined Scale Factor: 0.99981187 Convergence: 0.43490035°

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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 96434	³ Pool Name RED HILLS, NORTH (BONE SPRING)
⁴ Property Code	⁵ Property Name WILL KANE 15 TB FEE	⁶ Well Number 7H
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN LLC	⁹ Elevation 3507'

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
P	15	24S	34E		519	SOUTH	1299	EAST	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
A	15	24S	34E		100	NORTH	1040	EAST	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.

Defining Well CORNER COORDINATES NAD 83, SPCS NM EAST A - X: 812076.96' / Y: 446621.80' B - X: 814712.56' / Y: 446628.14' C - X: 814761.62' / Y: 441354.86' D - X: 812116.92' / Y: 441336.41' CORNER COORDINATES NAD 27, SPCS NM EAST A - X: 770892.37' / Y: 446562.88' B - X: 773527.90' / Y: 446569.19' C - X: 773576.71' / Y: 441296.05' D - X: 770932.07' / Y: 441277.63' LAST TAKE POINT/BOTTOM HOLE LOCATION 100' FNL 1040' FEL, SECTION 15 NAD 83, SPCS NM EAST X: 813673.47' / Y: 446525.64' LAT: 32.22450717N / LON: -103.45265875W NAD 27, SPCS NM EAST X: 772488.83' / Y: 446466.70' LAT: 32.22438248N / LON: -103.45218456W FIRST TAKE POINT 100' FSL 1040' FEL, SECTION 15 NAD 83, SPCS NM EAST X: 813720.71' / Y: 441447.60' LAT: 32.21054870N / LON: -103.45264055W NAD 27, SPCS NM EAST X: 772535.83' / Y: 441388.80' LAT: 32.21042393N / LON: -103.45216722W KICK OFF POINT 100' FSL 1040' FEL, SECTION 15 NAD 83, SPCS NM EAST X: 813720.71' / Y: 441447.60' LAT: 32.21054870N / LON: -103.45264055W NAD 27, SPCS NM EAST X: 772535.83' / Y: 441388.80' LAT: 32.21042393N / LON: -103.45216722W SURFACE HOLE LOCATION 519' FSL 1299' FEL, SECTION 15 NAD 83, SPCS NM EAST X: 813457.33' / Y: 441865.27' LAT: 32.21170261N / LON: -103.45348100W NAD 27, SPCS NM EAST X: 772272.48' / Y: 441806.46' LAT: 32.21157786N / LON: -103.45300755W	¹⁷ OPERATOR CERTIFICATION <i>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.</i> Signature _____ Date _____ Printed Name _____ E-mail Address _____ ¹⁸ SURVEYOR CERTIFICATION <i>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.</i> Date of Survey _____ Signature and Seal of Professional Surveyor: _____ Certificate Number _____
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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 2220	³ Pool Name ANTELOPE RIDGE; WOLFCAMP
⁴ Property Code	⁵ Property Name WILL KANE 15 WXY FEE	⁶ Well Number 10H
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN LLC	⁹ Elevation 3507'

¹⁰ Surface Location

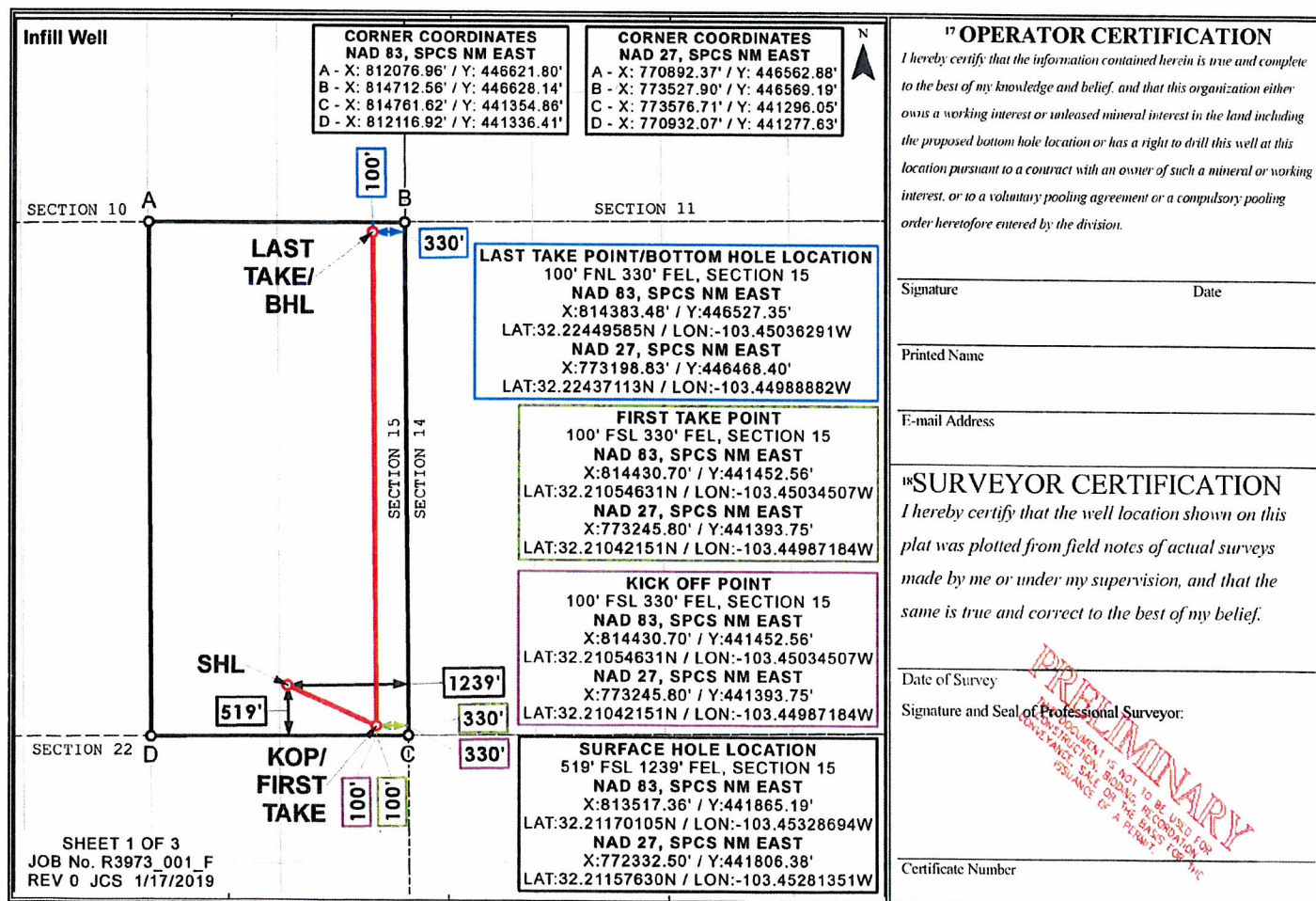
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	15	24S	34E		519	SOUTH	1239	EAST	LEA

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
A	15	24S	34E		100	NORTH	330	EAST	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.



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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 2220	³ Pool Name ANTELOPE RIDGE; WOLFCAMP
⁴ Property Code	⁵ Property Name WILL KANE 15 WB FEE	⁶ Well Number 11H
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN LLC	⁹ Elevation 3507'

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
P	15	24S	34E		519	SOUTH	1269	EAST	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
A	15	24S	34E		100	NORTH	495	EAST	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.

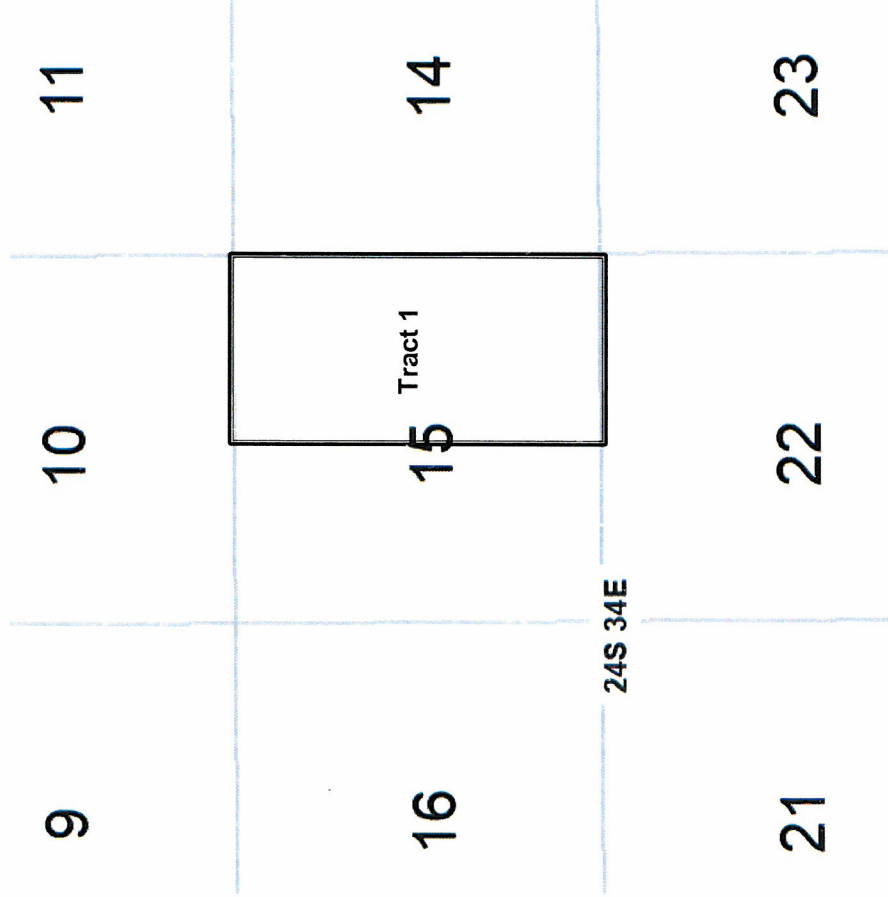
Infill Well	CORNER COORDINATES NAD 83, SPCS NM EAST A - X: 812076.96' / Y: 446621.80' B - X: 814712.56' / Y: 446628.14' C - X: 814761.62' / Y: 441354.86' D - X: 812116.92' / Y: 441336.41'	CORNER COORDINATES NAD 27, SPCS NM EAST A - X: 770892.37' / Y: 446562.88' B - X: 773527.90' / Y: 446569.19' C - X: 773576.71' / Y: 441296.05' D - X: 770932.07' / Y: 441277.63'	¹⁷ OPERATOR CERTIFICATION <i>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.</i> Signature _____ Date _____ Printed Name _____ E-mail Address _____
SECTION 10 SECTION 11 SECTION 15 SECTION 14 SECTION 22 SECTION 23 LAST TAKE POINT/BOTTOM HOLE LOCATION 100' FNL 495' FEL, SECTION 15 NAD 83, SPCS NM EAST X: 814218.48' / Y: 446526.95' LAT: 32.22449848N / LON: -103.45089645W NAD 27, SPCS NM EAST X: 773033.83' / Y: 446468.01' LAT: 32.22437377N / LON: -103.45042234W FIRST TAKE POINT 100' FSL 495' FEL, SECTION 15 NAD 83, SPCS NM EAST X: 814265.70' / Y: 441451.41' LAT: 32.21054687N / LON: -103.45087853W NAD 27, SPCS NM EAST X: 773080.81' / Y: 441392.60' LAT: 32.21042208N / LON: -103.45040528W KICK OFF POINT 100' FSL 495' FEL, SECTION 15 NAD 83, SPCS NM EAST X: 814265.70' / Y: 441451.41' LAT: 32.21054687N / LON: -103.45087853W NAD 27, SPCS NM EAST X: 773080.81' / Y: 441392.60' LAT: 32.21042208N / LON: -103.45040528W SURFACE HOLE LOCATION 519' FSL 1269' FEL, SECTION 15 NAD 83, SPCS NM EAST X: 813487.36' / Y: 441865.24' LAT: 32.21170188N / LON: -103.45338393W NAD 27, SPCS NM EAST X: 772302.50' / Y: 441806.43' LAT: 32.21157713N / LON: -103.45291049W	¹⁸ SURVEYOR CERTIFICATION <i>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.</i> Date of Survey _____ Signature and Seal of Professional Surveyor: _____ Certificate Number _____		

Distances/areas relative to NAD 83 Combined Scale Factor: 0.99981187 Convergence: 0.43490035°

Exhibit 4

Lease Tract Map: Case Nos. 20220 & 20221

E/2 of Section 15, 24S-34E – 320 acres



- Tract 1: Fee Acreage



Summary of Interests: : Case Nos. 20220 & 20221

<u>Committed Working Interest:</u> Marathon Oil Permian LLC ***	15.208333%	15.208333%
<u>Uncommitted Working Interest:</u> Chevron U.S.A. Inc. *** Uplift Energy, LLC Tap Rock Resources, LLC Energen Resources Corporation Alpha Permian Resources, LLC Safemark Companies, LLC Synergy Land Group, LLC Russell T. Clayton et ux Jetstream New Mexico, LLC	62.905208% 4.166667% 3.255208% 2.500000% 2.343750% 1.171875% 1.041667% 1.041667% 0.168750%	78.594792%
<u>Unleased Mineral Interest:</u> Roy G. Barton, Sr. and Opal Barton Revocable Trust Mildred M. Montgomery West Texas State University Ohio State University	3.125000% 2.734375% 0.168750% 0.168750%	6.196875%

***Notice was also provided to the parties listed on the next page in the event of a lease expiration prior to drilling.

Summary of Interests Cont.: : Case Nos. 20220 & 20221

Notice was also provided to the parties listed below in the event of a lease expiration prior to drilling:

- The Fulenwider Family Partnership, Ltd.
- Patricia J. Kelly
- University of Southwest Foundation
- University of Southwest
- Nancy I. Farmer
- Beverly Burke Blair
- J. L. Burke, III
- Marilyn Burke Salter
- Barbara Sue Hodges Stogsdill
- Beverly Jo Hodges
- Janice Ann Hodges
- Chisos Minerals, LLC
- Foundation Minerals, LLC
- Horton Royalty, LLC
- John and Theresa Hillman Family Properties, LP
- Llano Natural Resources, LLC
- Mavros Minerals, LLC
- Oak Valley Mineral and Land, LP
- Marilyn Cone, Trustee for D.C. Trust (Douglas Cone)
- Tom R. Cone
- Ginger Butler Clayton
- Cathie Cone McCown
- Meridian Exploration, LLC
- Doranne Brown Sims
- Fortis Minerals II, LLC
- Harold Brown

Exhibit 5

Overview of Leases with Expiration Dates: Case Nos. 20220 & 20221

Leases in Jeopardy of Expiring Before July 2019

Lessor	Current Lessor	Current Lessee	Exp. Date	Net Acres
The Fulenwider Family Partnership, Ltd.	The Fulenwider Family Partnership, Ltd.	Chevron	4/4/2019	5.00
Winnie Duncan Kelly	Patricia J. Kelly	Chevron	4/11/2019	10.00
University of Southwest Foundation	University of Southwest Foundation	Chevron	6/1/2019	38.25
University of Southwest	University of Southwest	Chevron	6/1/2019	0.54
Nancy I. Farmer	Nancy I. Farmer	Chevron	6/2/2019	2.70
Beverly Burke Blair	Beverly Burke Blair	Chevron	6/2/2019	2.70
J. L. Burke, III	J. L. Burke, III	Chevron	6/2/2019	2.70
Marilyn Burke Salter	Marilyn Burke Salter	Chevron	6/2/2019	2.70
Ann Brown Hodges	Barbara Sue Hodges Stogsdill, Beverly Jo Hodges, Janice Ann Hodges	Chevron	6/6/2019	6.67
	Chisos Minerals, LLC, Foudation Minerals, LLC, Horton Royalty, LLC, John and Theresa Hillman Family Properties, LP, Llano Natural Resources, LLC,			
DSD Royalty, LLC	Mavros Minerals, LLC, Oak Valley Mineral and Land, LP	Marathon	6/10/2019	6.67
Marilyn Cone, Trustee for D.C. Trust (Douglas Cone)	Marilyn Cone, Trustee for D.C. Trust (Douglas Cone)	Marathon	6/21/2019	8.00
Tom R. Cone	Tom R. Cone	Marathon	6/28/2019	8.00
Estate of Sharron Butler Owens	Ginger Butler Clayton	Synergy	6/28/2019	3.33
Cathie Cone McCown	Cathie Cone McCown	Marathon	7/13/2019	8.00
Kenneth G. Cone (Cathie Cone McCown)	Meridian Exploration, LLC	Marathon	7/13/2019	8.00
Joe W. Brown Estate	Doranne Brown Sims, Fortis Minerals II, LLC, Harold Brown	Chevron	7/15/2019	6.67
		Total		119.92

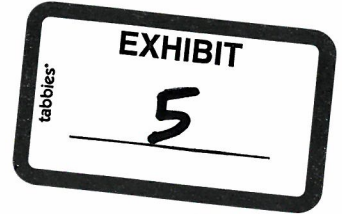


Exhibit 6

Steven Martinez
Land Agent for Marathon Oil Permian LLC



T-O Land & Minerals, Inc., Agent
25465 Scenic Loop Rd.
San Antonio, Texas 78255
Telephone: (210) 826-3000
Email: smartinez@t-oland.com

October 17, 2018

VIA CERTIFIED MAIL RETURN RECEIPT REQUESTED
7017 3380 0000 7557 1118

Chevron U.S.A. Inc.
6301 Deauville Blvd.
Midland, TX 79706

Re: Will Kane 15 2H, 3H, 4H, 6H, 7H, 9H, 10H & 11H Well Proposals
E/2 of Section 15, Township 24 South, Range 34 East
Lea County, New Mexico

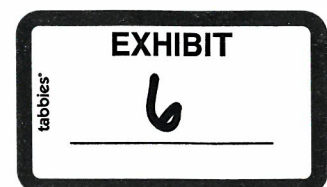
Dear Chevron U.S.A. Inc.:

Marathon Oil Permian LLC ("Marathon") proposes the drilling of the following wells located in Section 15, 24S-34E, Lea County, New Mexico, all to be drilled from one surface pad location.

Well Name	SHL	BHL	Proration Unit	Target TVD	Est. MD
Will Kane 15 WB Fee 11H	1290' FEL & 460' FSL	330' FEL & 100' FNL	E/2 of Sec. 15	12,803'	17,928'
Will Kane 15 WXY Fee 10H	1320' FEL & 460' FSL	330' FEL & 100' FNL	E/2 of Sec. 15	12,437'	17,565'
Will Kane 15 TBU Fee 9H	1350' FEL & 460' FSL	495' FEL & 100' FNL	E/2 E/2 of Sec. 15	12,097'	17,216'
Will Kane 15 TB Fee 7H	1380' FEL & 460' FSL	990' FEL & 100' FNL	E/2 E/2 of Sec. 15	12,307'	17,402'
Will Kane 15 WA Fee 6H	1290' FEL & 680' FSL	1320' FEL & 100' FNL	E/2 of Sec. 15	12,463'	17,561'
Will Kane 15 TBU Fee 2H	1320' FEL & 680' FSL	1980' FEL & 100' FNL	W/2 E/2 of Sec. 15	12,097'	17,215'
Will Kane 15 WXY Fee 3H	1350' FEL & 680' FSL	2310' FEL & 100' FNL	E/2 of Sec. 15	12,437'	17,574'
Will Kane 15 WB Fee 4H	1380' FEL & 680' FSL	2310' FEL & 100' FNL	E/2 of Sec. 15	12,803'	17,936'

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.

Marathon proposes drilling the wells under the terms of the 1989 AAPL JOA. Enclosed is a draft of the JOA covering the contract area. The JOA has the following general provisions:



- Contract area of E/2 of Section 15, 24S-34E, covering all depths

Our title records indicate that you own 0.58126562 WI in the proposed unit area (subject to title verification).

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 an assignment at the following terms:

This term assignment offer terminates on November 19, 2018 and is subject to due diligence and title verification satisfactory to Marathon.

Should you have any questions regarding this or other matters, please contact Ryan Gyllenband at 713-296-2453 or at mrgyllenband@marathonoil.com.

Sincerely,



Steven Martinez
Land Agent for Marathon Oil Permian LLC

_____ Chevron U.S.A. Inc. elects to participate in the drilling, completing, and equipping of the Will Kane 15 TBU Fee 2H.

_____ Chevron U.S.A. Inc. elects NOT to participate in the drilling, completing, and equipping of the Will Kane 15 TBU Fee 2H.

_____ Chevron U.S.A. Inc. elects to participate in the drilling, completing, and equipping of the Will Kane 15 WXY Fee 3H.

_____ Chevron U.S.A. Inc. elects NOT to participate in the drilling, completing, and equipping of the Will Kane 15 WXY Fee 3H.

_____ Chevron U.S.A. Inc. elects to participate in the drilling, completing, and equipping of Will Kane 15 WB Fee 4H.

_____ Chevron U.S.A. Inc. elects NOT to participate in the drilling, completing, and equipping of the Will Kane 15 WB Fee 4H.

_____ Chevron U.S.A. Inc. elects to participate in the drilling, completing, and equipping of the Will Kane 15 WA Fee 6H.

_____ Chevron U.S.A. Inc. elects NOT to participate in the drilling, completing, and equipping of the Will Kane 15 WA Fee 6H.

_____ Chevron U.S.A. Inc. elects to participate in the drilling, completing, and equipping of the Will Kane 15 TB Fee 7H.

_____ Chevron U.S.A. Inc. elects NOT to participate in the drilling, completing, and equipping of the Will Kane 15 TB Fee 7H.

_____ Chevron U.S.A. Inc. elects to participate in the drilling, completing, and equipping of the Will Kane 15 TBU Fee 9H.

_____ Chevron U.S.A. Inc. elects NOT to participate in the drilling, completing, and equipping of the Will Kane 15 TBU Fee 9H.

_____ Chevron U.S.A. Inc. elects to participate in the drilling, completing, and equipping of the Will Kane 15 WXY Fee 10H.

_____ Chevron U.S.A. Inc. elects NOT to participate in the drilling, completing, and equipping of the Will Kane 15 WXY Fee 10H.

_____ Chevron U.S.A. Inc. elects to participate in the drilling, completing, and equipping of Will Kane 15 WB Fee 11H.

_____ Chevron U.S.A. Inc. elects NOT to participate in the drilling, completing, and equipping of the Will Kane 15 WB Fee 11H.

Chevron U.S.A. Inc.

By: _____

Print Name: _____

Title: _____

Date: _____

Exhibit 7

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

DATE 10/2/2018

DRILLING & LOCATION PREPARED BY MATTHEW RUGAARD
COMPLETION PREPARED BY JOSH SHANNON
FACILITIES PREPARED BY MATT HENSCHEN
ARTIFICIAL LIFT PREPARED BY BILLY MOORE/MATT HE

Asset Team	PERMIAN			
Field	ANTELOPE RIDGE, V	FORMATION: WOLFCAMP	WILDCAT	EXPLORATION
Lease/Facility	Will Kane 15 WXY Fee 3H		DEVELOPMENT	RECOMPLETION
Location	LEA COUNTY		X EXPLOITATION	WORKOVER
Prospect	RED HILLS			

Est Total Depth	17,574	Est Drilling Days	20.8	Est Completion Days	5.5
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LOCATION COST - INTANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
7001270	Location and Access	18,750
7001250	Land Broker Fees and Services	16,875
TOTAL LOCATION COST - INTANGIBLE		35,625

DRILLING COST - TANGIBLE

7012050	Conductor Pipe	28,000
7012050	Surface Casing	33,000
7012050	Intermediate Casing 1	123,000
7012050	Intermediate Casing 2	411,000
7012050	Production Casing	351,000
7012050	Drig Liner Hanger, Tieback Eq & Csg Accessories	
7012550	Drilling Wellhead Equipment	70,000
7012040	Casing & Tubing Access	24,000
7012270	Miscellaneous MRO Materials	5,000
TOTAL DRILLING - TANGIBLE		1,045,000

DRILLING COST - INTANGIBLE

7019200	Drilling Rig Mob/Demob	16,250
7019220	Drilling Rig - day work/footage	642,633
7019040	Directional Drilling Services	223,000
7019020	Cement and Cementing Service Surface	15,000
7019020	Cement and Cementing Service Intermediate 1	50,000
7019020	Cement and Cementing Service Intermediate 2	60,000
7019020	Cement and Cementing Service Production	60,000
7019140	Mud Fluids & Services	68,800
7012310	Solids Control equipment	45,000
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
7012350	Water (potable)	5,000
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
7001160	Contract Services - Disposal/Non-Hazardous Waste	80,000
7001440	Vacuum Trucks	10,000
7000030	Contract Labor - general	30,000
7000030	Contract Labor - Operations	3,000
7001200	Contract Services - Facilities	10,000
7019300	Well Services - Well Control Services	22,358
7019350	Well Services - Well/Wellhead Services	10,000
7018150	Rental Tools and Equipment (surface rentals)	98,867
7018150	Rig Equipment and Misc.	12,358
7001110	Telecommunications Services	5,000
7001120	Consulting Services	116,168
7001400	Safety and Environmental	39,547
7018120	Rental Buildings (trailers)	19,773
7019310	Coring (sidewalls & analysis)	
7011010	7% Contingency & Taxes	213,693
TOTAL DRILLING - INTANGIBLE		\$2,221,448

TOTAL DRILLING COST	\$3,266,448
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COMPLETION - TANGIBLE

7012580	Tubing	-
7012040	Tubing Accessories (nipple, wireline entry)	-
7012550	Wellhead Equip	15,000
7012560	Packers - Completion Equipment	-
TOTAL COMPLETION - TANGIBLE		\$15,000



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

DATE 10/2/2018

Asset Team PERMIAN
Field ANTELOPE RIDGE; 1 FORMATION: WOLFCAMP
Lease/Facility Will Kane 15 WKY Fee 3H

COMPLETION - INTANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
7001270	Location and Access (dress location after rig move, set anchors)	10,000
7019220	Drilling Rig During Completion	-
7019140	Mud Fluids & Services	-
7019030	Coiled Tubing Services (3 runs)	225,000
7019240	Snubbing Services	-
7019270	Pulling/Swab Units	-
7016350	Fuel (from drlg)	-
7019010	Casing Crew and Services	-
7019020	Cement and Cementing Services	-
7019080	Well Testing Services (flow hand & equip)	140,000
7019320	Fracturing Services	2,500,000
7019330	Perforating	175,000
7019360	Wireline Services	15,000
7001460	Water Hauling & Disposal (frac fluids)	305,000
7016180	Freight - Truck (road pipe; drlg & compl)	15,000
7018150	BCP Rental & Testing	-
7018150	Rental Tools and Equipment (incl drlg; lightplant,hydra-walk)	-
7018150	CT Downhole Rental Equipment (ie. Bts, BHA)	-
7000030	Contract Labor - general	25,000
7001110	Telecommunications Services	85,000
7001400	Safety and Environmental	-
7001120	Consulting Services	60,000
7018150	Zipper Manifold	140,000
7019300	Frack Stack Rentals	45,000
7016190	Freight (Transportation Services)	-
7018150	Equipment Rental (w/o operator, frac tanks, lightplants)	115,000
7018120	Rental Buildings (trailers)	15,000
7000030	Contract Labor - Pumping (pump-down pumps)	30,000
7011010	8% Contingency & Taxes	279,600
TOTAL COMPLETION - INTANGIBLE		\$4,179,600
TOTAL COMPLETION COST		\$4,194,600

SURFACE EQUIPMENT - TANGIBLE

7012350	Misc. Piping, Fittings & Valves	85,795
7006640	Company Labor & Burden	-
7000030	Contract Labor - General	74,150
7001110	Telecommunication equip (Telemetry)	-
7012410	Line Pipe & Accessories	27,950
7012270	Miscellaneous Materials (containment system)	43,230
7008060	SCADA	-
7016180	Freight - truck	-
7001190	Contract Engineering	29,115
7012290	Metering and Instrumentation	237,080
7012290	I&E Materials	-
7012200	Gas Treating	-
7012200	Dehydration	-
7012010	Compressor	-
7012350	Power	-
7012610	Vapor Recovery Unit	-
7012440	Separator & other pressure vessels	67,350
7012500	Tanks	193,450
7012100	Heater Treater	17,560
7012640	Flare & Accessories	11,645
7000010	Electrical Labor	29,115
7000010	Mechanical Labor	-
7012480	Rod Pumping unit & Pad	-
7012180	Pumping Unit Engine	-
7012350	Electrical Power (electrical cooperative construction costs)	23,290
TOTAL SURFACE EQUIPMENT - TANGIBLE		\$839,730
TOTAL SURFACE EQUIPMENT COST		\$ 839,730

ARTIFICIAL LIFT

7012580	Tubing	50,000
7012040	Tubing Accessories (nipple, wireline entry)	5,000
7012550	Wellhead Equip	5,000
7012560	Packers - Completion Equipment	5,000
7006640	Company Labor	6,000
7012180	Gas Lift Equipment	23,000
7012480	Rod Pumping, Sucker Rods & Rod Pump	-
7012140	Elect Sub Pumps (ESP)	-
7019350	Well Services-Well/Wellhead Services	42,500
7012270	Materials & Supplies-Tangible	25,000
7012550	Surface Wellhead Equipment	3,000
7012390	Pig Launchers/Receivers & Rel Equip	-
7011010	Contingency & Taxes	5,000
TOTAL ARTIFICIAL LIFT		169,500
TOTAL ARTIFICIAL LIFT COST		\$ 169,500

SUMMARY OF ESTIMATED DRILLING WELL COSTS

	TOTAL COST
TOTAL LOCATION COST	\$ 35,625
TOTAL DRILLING COST	\$ 3,266,448
TOTAL COMPLETIONS COST	\$ 4,194,600
TOTAL SURFACE EQUIPMENT COST	\$ 839,730
TOTAL ARTIFICIAL LIFT COST	\$ 169,500
GRAND TOTAL COST	\$8,505,903

Participant's Approval

Name of
Company: _____

Signature: _____

Title: _____ Date: _____

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

DATE 10/2/2018
 DRILLING & LOCATION PREPARED BY MATTHEW RUGAARD
 COMPLETION PREPARED BY JOSH SHANNON
 FACILITIES PREPARED BY MATT HENSCHEN
 ARTIFICIAL LIFT PREPARED BY BILLY MOORE/MATT HE

Asset Team	PERMIAN			
Field	Fairview Mills; WOI	FORMATION: WOLFCAMP	WILDCAT	EXPLORATION
Lease/Facility	Will Kane 15 WB Fee 4H		DEVELOPMENT	RECOMPLETION
Location	LEA COUNTY		X EXPLOITATION	WORKOVER
Prospect	RED HILLS			

Est Total Depth	17,936	Est Drilling Days	20.8	Est Completion Days	5.5
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LOCATION COST - INTANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
7001270	Location and Access	18,750
7001250	Land Broker Fees and Services	16,875
TOTAL LOCATION COST - INTANGIBLE		35,625

DRILLING COST - TANGIBLE

7012050	Conductor Pipe	28,000
7012050	Surface Casing	33,000
7012050	Intermediate Casing 1	123,000
7012050	Intermediate Casing 2	411,000
7012050	Production Casing	351,000
7012050	Drig Liner Hanger, Tieback Eq & Csg Accessories	-
7012550	Drilling Wellhead Equipment	70,000
7012040	Casing & Tubing Access	24,000
7012270	Miscellaneous MRO Materials	5,000
TOTAL DRILLING - TANGIBLE		1,045,000

DRILLING COST - INTANGIBLE

7019200	Drilling Rig Mob/Demob	16,250
7019220	Drilling Rig - day work/footage	642,633
7019040	Directional Drilling Services	223,000
7019020	Cement and Cementing Service Surface	15,000
7019020	Cement and Cementing Service Intermediate 1	50,000
7019020	Cement and Cementing Service Intermediate 2	60,000
7019020	Cement and Cementing Service Production	60,000
7019140	Mud Fluids & Services	68,800
7012310	Solids Control equipment	45,000
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
7012350	Water (potable)	5,000
7019000	Well Logging Services	-
7019150	Mud Logging+geosteering	21,000
7019250	Stabilizers, Hole Openers, Underreamers (OH 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
7001160	Contract Services - Disposal/Non-Hazardous Waste	80,000
7001440	Vacuum Trucks	10,000
7000030	Contract Labor - general	30,000
7000030	Contract Labor - Operations	3,000
7001200	Contract Services - Facilities	10,000
7019300	Well Services - Well Control Services	22,358
7019350	Well Services - Well/Wellhead Services	10,000
7018150	Rental Tools and Equipment (surface rentals)	98,867
7018150	Rig Equipment and Misc.	12,358
7001110	Telecommunications Services	5,000
7001120	Consulting Services	116,168
7001400	Safety and Environmental	39,547
7018120	Rental Buildings (trailers)	19,773
7019310	Coring (sidewalls & analysis)	-
7011010	7% Contingency & Taxes	213,693
TOTAL DRILLING - INTANGIBLE		\$2,221,448

TOTAL DRILLING COST

\$3,266,448

COMPLETION - TANGIBLE

7012580	Tubing	-
7012040	Tubing Accessories (nipple, wireline entry)	-
7012550	Wellhead Equip	15,000
7012560	Packers - Completion Equipment	-
TOTAL COMPLETION - TANGIBLE		\$15,000



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

DATE 10/2/2018

Asset Team PERMIAN
Field Fairview Mills; WO1 FORMATION: WOLFCAMP
Lease/Facility Will Kane 15 WB Fee 4H

COMPLETION - INTANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
7001270	Location and Access (dress location after rig move, set anchors)	10,000
7019220	Drilling Big During Completion	-
7019140	Mud Fluids & Services	-
7019030	Coiled Tubing Services (3 runs)	225,000
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)	140,000
7019320	Fracturing Services	2,500,000
7019330	Perforating	175,000
7019360	Wireline Services	15,000
7001460	Water Hauling & Disposal (frac fluids)	305,000
7016180	Freight - Truck (haul pipe; drig & compl)	15,000
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	85,000
7001400	Safety and Environmental	-
7001120	Consulting Services	60,000
7018150	Zipper Manifold	140,000
7019300	Frack Stack Rentals	45,000
7016190	Freight (Transportation Services)	-
7018150	Equipment Rental (w/o operator, frac tanks, lightplants)	115,000
7018120	Rental Buildings (trailers)	15,000
7000030	Contract Labor - Pumping (pump-down pumps)	30,000
7011010	8% Contingency & Taxes	279,600
TOTAL COMPLETION - INTANGIBLE		\$4,179,600

TOTAL COMPLETION COST

\$4,194,600

SURFACE EQUIPMENT - TANGIBLE

7012350	Misc. Piping, Fittings & Valves	85,795
7006640	Company Labor & Burden	-
7000030	Contract Labor - General	74,150
7001110	Telecommunication equip (Telemetry)	-
7012410	Line Pipe & Accessories	27,950
7012270	Miscellaneous Materials (containment system)	43,230
7008060	SCADA	-
7016180	Freight - truck	175,000
7001190	Contract Engineering	29,115
7012290	Metering and Instrumentation	237,080
7012290	I&E Materials	-
7012200	Gas Treating	-
7012200	Dehydration	-
7012010	Compressor	-
7012350	Power	-
7012610	Vapor Recovery Unit	-
7012440	Separator & other pressure vessels	67,350
7012300	Tanks	193,450
7012100	Heater Treater	17,560
7012640	Flare & Accessories	11,645
7000010	Electrical Labor	29,115
7000010	Mechanical Labor	-
7012480	Rod Pumping unit & Pad	-
7012180	Pumping Unit Engine	-
7012350	Electrical Power (electrical cooperative construction costs)	23,290
TOTAL SURFACE EQUIPMENT - TANGIBLE		\$839,730

TOTAL SURFACE EQUIPMENT COST

\$ 839,730

ARTIFICIAL LIFT

7012580	Tubing	50,000
7012040	Tubing Accessories (nipple, wireline entry)	5,000
7012550	Wellhead Equip	5,000
7012560	Packers - Completion Equipment	5,000
7006640	Company Labor	6,000
7012180	Gas Lift Equipment	23,000
7012480	Rod Pumping, Sucker Rods & Rod Pump	-
7012140	Elect Sub Pumps (ESP)	-
7019350	Well Services-Well/Wellhead Services	42,500
7012270	Materials & Supplies-Tangible	25,000
7012550	Surface Wellhead Equipment	3,000
7012390	Pig Launchers/Receivers & Rel Equip	-
7011010	Contingency & Taxes	5,000
TOTAL ARTIFICIAL LIFT		169,500

TOTAL ARTIFICIAL LIFT COST

\$ 169,500

SUMMARY OF ESTIMATED DRILLING WELL COSTS

TOTAL COST

TOTAL LOCATION COST	\$ 35,625
TOTAL DRILLING COST	\$ 3,266,448
TOTAL COMPLETIONS COST	\$ 4,194,600
TOTAL SURFACE EQUIPMENT COST	\$ 839,730
TOTAL ARTIFICIAL LIFT COST	\$ 169,500
GRAND TOTAL COST	\$8,505,903

Participant's Approval

Name of
Company: _____

Signature: _____

Title: _____ Date: _____

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

DATE 10/2/2018
 DRILLING & LOCATION PREPARED BY MATTHEW RUGAARD
 COMPLETION PREPARED BY JOSH SHANNON
 FACILITIES PREPARED BY MATT HENSCHEN
 ARTIFICIAL LIFT PREPARED BY BILLY MOORE/MATT HE

Asset Team	PERMIAN				
Field	ANTELOPE RIDGE; 1	FORMATION: WOLFCAMP	WILDCAT	EXPLORATION	
Lease/Facility	Will Kane 15 WA Fee 6H		DEVELOPMENT	RECOMPLETION	
Location	LEA COUNTY		X EXPLOITATION	WORKOVER	
Prospect	RED HILLS				
Est Total Depth	17,561	Est Drilling Days	20.8	Est Completion Days	5.5

LOCATION COST - INTANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
7001270	Location and Access	18,750
7001250	Land Broker Fees and Services	16,875
TOTAL LOCATION COST - INTANGIBLE		35,625

DRILLING COST - TANGIBLE

7012050	Conductor Pipe	28,000
7012050	Surface Casing	33,000
7012050	Intermediate Casing 1	123,000
7012050	Intermediate Casing 2	411,000
7012050	Production Casing	351,000
7012050	Drig Liner Hanger, Tieback Eq & Csg Accessories	-
7012550	Drilling Wellhead Equipment	70,000
7012040	Casing & Tubing Access	24,000
7012270	Miscellaneous MRO Materials	5,000
TOTAL DRILLING - TANGIBLE		1,045,000

DRILLING COST - INTANGIBLE

7019200	Drilling Rig Mob/Demob	16,250
7019220	Drilling Rig - day work/footage	642,633
7019040	Directional Drilling Services	223,000
7019020	Cement and Cementing Service	15,000
7019020	Cement and Cementing Service	50,000
7019020	Cement and Cementing Service	60,000
7019020	Cement and Cementing Service	60,000
7019140	Mud Fluids & Services	68,800
7012310	Solids Control equipment	45,000
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
7012350	Water (potable)	5,000
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
7001160	Contract Services - Disposal/Non-Hazardous Waste	80,000
7001440	Vacuum Trucks	10,000
7000030	Contract Labor - general	30,000
7000030	Contract Labor - Operations	3,000
7001200	Contract Services - Facilities	10,000
7019300	Well Services - Well Control Services	22,358
7019350	Well Services - Well/Wellhead Services	10,000
7018150	Rental Tools and Equipment (surface rentals)	98,867
7018150	Rig Equipment and Misc.	12,358
7001110	Telecommunications Services	5,000
7001120	Consulting Services	116,168
7001400	Safety and Environmental	39,547
7018120	Rental Buildings (trailers)	19,773
7019310	Coring (sidewalls & analysis)	-
7011010	7% Contingency & Taxes	213,693
TOTAL DRILLING - INTANGIBLE		\$2,221,448

TOTAL DRILLING COST

\$3,266,448

COMPLETION - TANGIBLE

7012580	Tubing	-
7012040	Tubing Accessories (nipple, wireline entry)	-
7012550	Wellhead Equip	15,000
7012560	Packers - Completion Equipment	-
TOTAL COMPLETION - TANGIBLE		\$15,000



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

DATE 10/2/2018

Asset Team PERMIAN
Field ANTELOPE RIDGE; V FORMATION: WOLF-CAMP
Lease/Facility Will Kane 15 WA Fee 6H

COMPLETION - INTANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
7001270	Location and Access (dress location after rig move, set anchors)	10,000
7019220	Drilling Rig During Completion	-
7019140	Mud Fluids & Services	-
7019030	Coiled Tubing Services (3 runs)	225,000
7019240	Snubbing Services	-
7019270	Pulling/Swab Units	-
7016350	Fuel (from drlg)	-
7019010	Casing Crew and Services	-
7019020	Cement and Cementing Services	-
7019080	Well Testing Services (flow hand & equip)	140,000
7019320	Fracturing Services	2,500,000
7019330	Perforating	175,000
7019360	Wireline Services	15,000
7001460	Water Hauling & Disposal (frac fluids)	305,000
7016180	Freight - Truck (haul pipe; drlg & compl)	15,000
7018150	BOP Rental & Testing	-
7018150	Rental Tools and Equipment (incl drlg; lightplant,hydra-walk)	-
7018150	CT Downhole Rental Equipment (ie. Bit, BHA)	-
7000030	Contract Labor - general	25,000
7001110	Telecommunications Services	85,000
7001400	Safety and Environmental	-
7001120	Consulting Services	60,000
7018150	Zipper Manifold	140,000
7019300	Frack Stack Rentals	45,000
7016190	Freight (Transportation Services)	-
7018150	Equipment Rental (w/o operator, frac tanks, lightplants)	115,000
7018120	Rental Buildings (trailers)	15,000
7000030	Contract Labor - Pumping (pump-down pumps)	30,000
7011010	8% Contingency & Taxes	279,600
TOTAL COMPLETION - INTANGIBLE		\$4,179,600

TOTAL COMPLETION COST

\$4,194,600

SURFACE EQUIPMENT - TANGIBLE

7012350	Misc. Piping, Fittings & Valves	85,795
7006640	Company Labor & Burden	-
7000030	Contract Labor - General	74,150
7001110	Telecommunication equip (Telemetry)	-
7012410	Line Pipe & Accessories	27,950
7012270	Miscellaneous Materials (containment system)	43,230
7008060	SCADA	-
7016180	Freight - truck	-
7001190	Contract Engineering	29,115
7012290	Metering and Instrumentation	237,080
7012290	I&E Materials	-
7012200	Gas Treating	-
7012200	Dehydration	-
7012010	Compressor	-
7012350	Power	-
7012610	Vapor Recovery Unit	-
7012440	Separator & other pressure vessels	67,350
7012500	Tanks	193,450
7012100	Heater Treater	17,560
7012640	Flare & Accessories	11,645
7000010	Electrical Labor	29,115
7000010	Mechanical Labor	-
7012480	Rod Pumping unit & Pad	-
7012180	Pumping Unit Engine	-
7012350	Electrical Power (electrical cooperative construction costs)	23,290
TOTAL SURFACE EQUIPMENT - TANGIBLE		\$839,730

TOTAL SURFACE EQUIPMENT COST

\$ 839,730

ARTIFICIAL LIFT

7012580	Tubing	50,000
7012040	Tubing Accessories (nipple, wireline entry)	5,000
7012550	Wellhead Equip	5,000
7012560	Packers - Completion Equipment	5,000
7006640	Company Labor	6,000
7012180	Gas Lift Equipment	23,000
7012480	Rod Pumping, Sucker Rods & Rod Pump	-
7012140	Elect Sub Pumps (ESP)	-
7019350	Well Services-Well/Wellhead Services	42,500
7012270	Materials & Supplies-Tangible	25,000
7012550	Surface Wellhead Equipment	3,000
7012390	Pig Launchers/Receivers & Rel Equip	-
7011010	Contingency & Taxes	5,000
TOTAL ARTIFICIAL LIFT		169,500

TOTAL ARTIFICIAL LIFT COST

\$ 169,500

SUMMARY OF ESTIMATED DRILLING WELL COSTS

TOTAL COST

TOTAL LOCATION COST	\$ 35,625
TOTAL DRILLING COST	\$ 3,266,448
TOTAL COMPLETIONS COST	\$ 4,194,600
TOTAL SURFACE EQUIPMENT COST	\$ 839,730
TOTAL ARTIFICIAL LIFT COST	\$ 169,500
GRAND TOTAL COST	\$8,505,903

Name of
Company: _____

Signature: _____

Title: _____ Date: _____

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

DATE 10/2/2018
DRILLING & LOCATION PREPARED BY MATTHEW RUGAARD
COMPLETION PREPARED BY JOSH SHANNON
FACILITIES PREPARED BY MATT HENSCHEN
ARTIFICIAL LIFT PREPARED BY BILLY MOORE/MATT HE

Asset Team PERMIAN
Field Red Hills North (Bo) FORMATION: 3RD BONE SPRINGS WILDCAT EXPLORATION
Lease/Facility Will Kane 15 TB Fee 7H DEVELOPMENT RECOMPLETION
Location LEA COUNTY X EXPLOITATION WORKOVER
Prospect RED HILLS

Est Total Depth 17,402 Est Drilling Days 21.9 Est Completion Days 5.5

LOCATION COST - INTANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
7001270	Location and Access	18,750
7001250	Land Broker Fees and Services	16,875
TOTAL LOCATION COST - INTANGIBLE		35,625

DRILLING COST - TANGIBLE

7012050	Conductor Pipe	28,000
7012050	Surface Casing	33,000
7012050	Intermediate Casing 1	119,000
7012050	Intermediate Casing 2	268,000
7012050	Production Casing	69,000
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		651,000

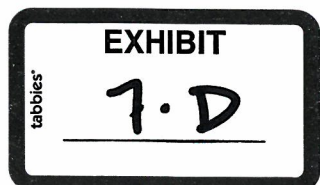
DRILLING COST - INTANGIBLE

7019200	Drilling Rig Mob/Demob	16,250
7019220	Drilling Rig - day work/footage	569,833
7019040	Directional Drilling Services	195,000
7019020	Cement and Cementing Service Surface	25,000
7019020	Cement and Cementing Service Intermediate 1	50,000
7019020	Cement and Cementing Service Intermediate 2	60,000
7019020	Cement and Cementing Service Production	50,000
7019140	Mud Fluids & Services	66,000
7012310	Solids Control equipment	40,000
7012020	Bits	70,000
7019010	Casing Crew and Services	30,000
7016350	Fuel (Rig)	68,000
7019140	Fuel (Mud)	18,000
7001460	Water (non potable)	25,000
7012350	Water (potable)	5,000
7019000	Well Logging Services	-
7019150	Mud Logging-geosteering	18,000
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
7001160	Contract Services - Disposal/Non-Hazardous Waste	80,000
7001440	Vacuum Trucks	10,000
7000030	Contract Labor - general	30,000
7000030	Contract Labor - Operations	3,000
7001200	Contract Services - Facilities	10,000
7019300	Well Services - Well Control Services	20,958
7019350	Well Services - Well/Wellhead Services	10,000
7018150	Rental Tools and Equipment (surface rentals)	87,667
7018150	Rig Equipment and Misc.	10,958
7001110	Telecommunications Services	5,000
7001120	Consulting Services	103,008
7001400	Safety and Environmental	35,067
7018120	Rental Buildings (trailers)	17,533
7019310	Coring (sidewalls & analysis)	-
7011010	7% Contingency & Taxes	175,369
TOTAL DRILLING - INTANGIBLE		\$2,029,644

TOTAL DRILLING COST \$2,680,644

COMPLETION - TANGIBLE

7012580	Tubing	-
7012040	Tubing Accessories (nipple, wireline entry)	-
7012550	Wellhead Equip	15,000
7012560	Packers - Completion Equipment	-
TOTAL COMPLETION - TANGIBLE		\$15,000



Asset Team PERMIAN
 Field Red Hills, North (Bo FORMATION: 3RD BONE SPRINGS
 Lease/Facility Will Kane 15 TB Fee 7H

COMPLETION - INTANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
7001270	Location and Access (dress location after rig move, set anchors)	10,000
7019220	Drilling Rig During Completion	-
7019140	Mud Fluids & Services	-
7019030	Coiled Tubing Services (3 runs)	225,000
7019240	Snubbing Services	-
7019270	Pulling/Swab Units	-
7016350	Fuel (from drlg)	-
7019010	Casing Crew and Services	-
7019020	Cement and Cementing Services	-
7019080	Well Testing Services (flow hand & equip)	140,000
7019320	Fracturing Services	2,200,000
7019330	Perforating	175,000
7019360	Wireline Services	15,000
7001460	Water Hauling & Disposal (frac fluids)	265,000
7016180	Freight - Truck (haul pipe; drlg & compl)	15,000
7018150	BOP Rental & Testing	-
7018150	Rental Tools and Equipment (incl drlg; lightplant,hydra-walk)	-
7018150	CT Downhole Rental Equipment (ie. Bit, BHA)	-
7000030	Contract Labor - general	25,000
7001110	Telecommunications Services	85,000
7001400	Safety and Environmental	-
7001120	Consulting Services	60,000
7018150	Zipper Manifold	140,000
7019300	Frac Stack Rentals	45,000
7016190	Freight (Transportation Services)	-
7018150	Equipment Rental (w/o operator, frac tanks, lightplants)	115,000
7018120	Rental Buildings (trailers)	15,000
7000030	Contract Labor - Pumping (pump-down pumps)	30,000
7011010	8% Contingency & Taxes	255,600
TOTAL COMPLETION - INTANGIBLE		\$3,815,600
TOTAL COMPLETION COST		\$3,830,600

SURFACE EQUIPMENT - TANGIBLE

7012350	Misc. Piping, Fittings & Valves	85,795
7006640	Company Labor & Burden	-
7000030	Contract Labor - General	74,150
7001110	Telecommunication equip (Telemetry)	-
7012410	Line Pipe & Accessories	27,950
7012270	Miscellaneous Materials (containment system)	43,230
7008060	SCADA	-
7016180	Freight - truck	-
7001190	Contract Engineering	29,115
7012290	Metering and Instrumentation	237,080
7012290	I&E Materials	-
7012200	Gas Treating	-
7012200	Dehydration	-
7012010	Compressor	-
7012350	Power	-
7012610	Vapor Recovery Unit	-
7012440	Separator & other pressure vessels	67,350
7012500	Tanks	193,450
7012100	Heater Treater	17,560
7012640	Flare & Accessories	11,645
7000010	Electrical Labor	29,115
7000010	Mechanical Labor	-
7012480	Rod Pumping unit & Pad	-
7012180	Pumping Unit Engine	-
7012350	Electrical Power (electrical cooperative construction costs)	23,290
TOTAL SURFACE EQUIPMENT - TANGIBLE		\$839,730
TOTAL SURFACE EQUIPMENT COST		\$ 839,730

ARTIFICIAL LIFT

7012580	Tubing	50,000
7012040	Tubing Accessories (nipple, wireline entry)	5,000
7012550	Wellhead Equip	5,000
7012560	Packers - Completion Equipment	5,000
7006640	Company Labor	6,000
7012180	Gas Lift Equipment	23,000
7012480	Rod Pumping, Sucker Rods & Rod Pump	-
7012140	Elect Sub Pumps (ESP)	-
7019350	Well Services-Well/Wellhead Services	42,500
7012270	Materials & Supplies-Tangible	25,000
7012550	Surface Wellhead Equipment	3,000
7012390	Plg Launchers/Receivers & Rel Equip	-
7011010	Contingency & Taxes	5,000
TOTAL ARTIFICIAL LIFT		169,500
TOTAL ARTIFICIAL LIFT COST		\$ 169,500

SUMMARY OF ESTIMATED DRILLING WELL COSTS

TOTAL LOCATION COST	\$ 35,625
TOTAL DRILLING COST	\$ 2,680,644
TOTAL COMPLETIONS COST	\$ 3,830,600
TOTAL SURFACE EQUIPMENT COST	\$ 839,730
TOTAL ARTIFICIAL LIFT COST	\$ 169,500
GRAND TOTAL COST	\$7,556,099

Name of
 Company: _____

Signature: _____

Title: _____ Date: _____

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

DATE 10/2/2018
 DRILLING & LOCATION PREPARED BY MATTHEW RUGAARD
 COMPLETION PREPARED BY JOSH SHANNON
 FACILITIES PREPARED BY MATT HENSCHEN
 ARTIFICIAL LIFT PREPARED BY BILLY MOORE/MATT HE

Asset Team	PERMIAN			
Field	ANTELOPE RIDGE, V	FORMATION: WOLFCAMP	WILDCAT	EXPLORATION
Lease/Facility	Will Kane 15 WXY Fee 10H		DEVELOPMENT	RECOMPLETION
Location	LEA COUNTY		X EXPLOITATION	WORKOVER
Prospect	RED HILLS			

Est Total Depth	17,565	Est Drilling Days	20.8	Est Completion Days	5.5
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LOCATION COST - INTANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
7001270	Location and Access	18,750
7001250	Land Broker Fees and Services	16,875
TOTAL LOCATION COST - INTANGIBLE		35,625

DRILLING COST - TANGIBLE

7012050	Conductor Pipe	28,000
7012050	Surface Casing	33,000
7012050	Intermediate Casing 1	123,000
7012050	Intermediate Casing 2	411,000
7012050	Production Casing	351,000
7012050	Orig Liner Hanger, Tieback Eq & Csg Accessories	-
7012550	Drilling Wellhead Equipment	70,000
7012040	Casing & Tubing Access	24,000
7012270	Miscellaneous MRO Materials	5,000
TOTAL DRILLING - TANGIBLE		1,045,000

DRILLING COST - INTANGIBLE

7019200	Drilling Rig Mob/Demob	16,250
7019220	Drilling Rig - day work/footage	642,633
7019040	Directional Drilling Services	223,000
7019020	Cement and Cementing Service Surface	15,000
7019020	Cement and Cementing Service Intermediate 1	50,000
7019020	Cement and Cementing Service Intermediate 2	60,000
7019020	Cement and Cementing Service Production	60,000
7019140	Mud Fluids & Services	68,800
7012310	Solids Control equipment	45,000
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
7012350	Water (potable)	5,000
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
7001160	Contract Services - Disposal/Non-Hazardous Waste	80,000
7001440	Vacuum Trucks	10,000
7000030	Contract Labor - general	30,000
7000030	Contract Labor - Operations	3,000
7001200	Contract Services - Facilities	10,000
7019300	Well Services - Well Control Services	22,358
7019350	Well Services - Well/Wellhead Services	10,000
7018150	Rental Tools and Equipment (surface rentals)	98,867
7018150	Rig Equipment and Misc.	12,358
7001110	Telecommunications Services	5,000
7001120	Consulting Services	116,168
7001400	Safety and Environmental	39,547
7018120	Rental Buildings (trailers)	19,773
7019310	Coring (sidewalls & analysis)	-
7011010	7% Contingency & Taxes	213,693
TOTAL DRILLING - INTANGIBLE		\$2,221,448

TOTAL DRILLING COST

\$3,266,448

COMPLETION - TANGIBLE

7012580	Tubing	-
7012040	Tubing Accessories (nipple, wireline entry)	-
7012550	Wellhead Equip	15,000
7012560	Packers - Completion Equipment	-
TOTAL COMPLETION - TANGIBLE		\$15,000



Asset Team PERMIAN
 Field ANTELOPE RIDGE; V FORMATION: WOLFCAMP
 Lease/Facility Will Kane 15 WXY Fee 10H

COMPLETION - INTANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
7001270	Location and Access (dress location after rig move, set anchors)	10,000
7019220	Drilling Rig During Completion	-
7019140	Mud Fluids & Services	-
7019030	Coiled Tubing Services (3 runs)	225,000
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)	140,000
7019320	Fracturing Services	2,500,000
7019330	Perforating	175,000
7019360	Wireline Services	15,000
7001460	Water Hauling & Disposal (frac fluids)	305,000
7016180	Freight - Truck (haul pipe; drig & compl)	15,000
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	85,000
7001400	Safety and Environmental	-
7001120	Consulting Services	60,000
7018150	Zipper Manifold	140,000
7019300	Frac Stack Rentals	45,000
7016190	Freight (Transportation Services)	-
7018150	Equipment Rental (w/o operator, frac tanks, lightplants)	115,000
7018120	Rental Buildings (trailers)	15,000
7000030	Contract Labor - Pumping (pump-down pumps)	30,000
7011010	8% Contingency & Taxes	279,600
TOTAL COMPLETION - INTANGIBLE		\$4,179,600
TOTAL COMPLETION COST		\$4,194,600

SURFACE EQUIPMENT - TANGIBLE

7012350	Misc. Piping, Fittings & Valves	85,795
7006640	Company Labor & Burden	-
7000030	Contract Labor - General	74,150
7001110	Telecommunication equip (Telemetry)	-
7012410	Line Pipe & Accessories	27,950
7012270	Miscellaneous Materials (containment system)	43,230
7008060	SCADA	-
7016180	Freight - truck	-
7001190	Contract Engineering	29,115
7012290	Metering and Instrumentation	237,080
7012290	I&E Materials	-
7012200	Gas Treating	-
7012200	Dehydration	-
7013010	Compressor	-
7012350	Power	-
7012618	Vapor Recovery Unit	-
7012440	Separator & other pressure vessels	67,350
7012500	Tanks	193,450
7012100	Heater Treater	17,560
7012640	Flare & Accessories	11,645
7000010	Electrical Labor	29,115
7000010	Mechanical Labor	-
7013480	Rod Pumping unit & Pad	-
7012180	Pumping Unit Engine	-
7012350	Electrical Power (electrical cooperative construction costs)	23,290
TOTAL SURFACE EQUIPMENT - TANGIBLE		\$839,730
TOTAL SURFACE EQUIPMENT COST		\$ 839,730

ARTIFICIAL LIFT

7012580	Tubing	50,000
7013040	Tubing Accessories (nipple, wireline entry)	5,000
7012550	Wellhead Equip	5,000
7012560	Packers - Completion Equipment	5,000
7006640	Company Labor	6,000
7012180	Gas Lift Equipment	23,000
7013480	Rod Pumping, Sucker Rods & Rod Pump	-
7012140	Elect Sub Pumps (ESP)	-
7019350	Well Services-Well/Wellhead Services	42,500
7012270	Materials & Supplies-Tangible	25,000
7012550	Surface Wellhead Equipment	3,000
7012390	Pig Launchers/Receivers & Rel Equip	-
7011010	Contingency & Taxes	5,000
TOTAL ARTIFICIAL LIFT		169,500
TOTAL ARTIFICIAL LIFT COST		\$ 169,500

SUMMARY OF ESTIMATED DRILLING WELL COSTS

	TOTAL COST
TOTAL LOCATION COST	\$ 35,625
TOTAL DRILLING COST	\$ 3,266,448
TOTAL COMPLETIONS COST	\$ 4,194,600
TOTAL SURFACE EQUIPMENT COST	\$ 839,730
TOTAL ARTIFICIAL LIFT COST	\$ 169,500
GRAND TOTAL COST	\$8,505,903

Name of
 Company: _____

Signature: _____

Title: _____ Date: _____

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

DATE 10/2/2018
 DRILLING & LOCATION PREPARED BY MATTHEW RUGAARD
 COMPLETION PREPARED BY JOSH SHANNON
 FACILITIES PREPARED BY MATT HENSCHEN
 ARTIFICIAL LIFT PREPARED BY BILLY MOORE/MATT HE

Asset Team	PERMIAN			
Field	Fairview Mills; WOI	FORMATION: WOLFCAMP	WILDCAT	EXPLORATION
Lease/Facility	Will Kane 15 WB Fee 11H		DEVELOPMENT	RECOMPLETION
Location	LEA COUNTY		X EXPLOITATION	WORKOVER
Prospect	RED HILLS			

Est Total Depth 17,928 Est Drilling Days _____ Est Completion Days 5.5

LOCATION COST - INTANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
7001270	Location and Access	18,750
7001250	Land Broker Fees and Services	16,875
TOTAL LOCATION COST - INTANGIBLE		35,625

DRILLING COST - TANGIBLE

7012050	Conductor Pipe	28,000
7012050	Surface Casing	33,000
7012050	Intermediate Casing 1	123,000
7012050	Intermediate Casing 2	411,000
7012050	Production Casing	351,000
7012050	Drig Liner Hanger, Tieback Eq & Csg Accessories	-
7012550	Drilling Wellhead Equipment	70,000
7012040	Casing & Tubing Access	24,000
7012270	Miscellaneous MRO Materials	5,000
TOTAL DRILLING - TANGIBLE		1,045,000

DRILLING COST - INTANGIBLE

7019200	Drilling Rig Mob/Demob	16,250
7019220	Drilling Rig - day work/footage	642,633
7019040	Directional Drilling Services	223,000
7019020	Cement and Cementing Service Surface	15,000
7019020	Cement and Cementing Service Intermediate 1	50,000
7019020	Cement and Cementing Service Intermediate 2	60,000
7019020	Cement and Cementing Service Production	60,000
7019140	Mud Fluids & Services	68,800
7012310	Solids Control equipment	45,000
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
7012350	Water (potable)	5,000
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
7001160	Contract Services - Disposal/Non-Hazardous Waste	80,000
7001440	Vacuum Trucks	10,000
7000030	Contract Labor - general	30,000
7000030	Contract Labor - Operations	3,000
7001200	Contract Services - Facilities	10,000
7019300	Well Services - Well Control Services	22,358
7019350	Well Services - Well/Wellhead Services	10,000
7018150	Rental Tools and Equipment (surface rentals)	98,867
7018150	Rig Equipment and Misc.	12,358
7001110	Telecommunications Services	5,000
7001120	Consulting Services	116,168
7001400	Safety and Environmental	39,547
7018120	Rental Buildings (trailers)	19,773
7019310	Coring (sidewalls & analysis)	-
7011010	7% Contingency & Taxes	213,693
TOTAL DRILLING - INTANGIBLE		\$2,221,448

TOTAL DRILLING COST

\$3,266,448

COMPLETION - TANGIBLE

7012580	Tubing	-
7012040	Tubing Accessories (nipple, wireline entry)	-
7012550	Wellhead Equip	15,000
7012560	Packers - Completion Equipment	-
TOTAL COMPLETION - TANGIBLE		\$15,000



Asset Team PERMIAN
 Field Fairview Mills; WOI FORMATION: WOLFCAMP
 Lease/Facility Will Kane 15 WB Fee 11H

COMPLETION - INTANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
7001270	Location and Access (dress location after rig move, set anchors)	10,000
7019220	Drilling Rig During Completion	-
7019140	Mud Fluids & Services	-
7019030	Coiled Tubing Services (3 runs)	225,000
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)	140,000
7019320	Fracturing Services	2,500,000
7019330	Perforating	175,000
7019360	Wireline Services	15,000
7001460	Water Hauling & Disposal (frac fluids)	305,000
7016180	Freight - Truck (haul pipe; drig & compl)	15,000
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	85,000
7001400	Safety and Environmental	-
7001120	Consulting Services	60,000
7018150	Zipper Manifold	140,000
7019300	Frack Stack Rentals	45,000
7016190	Freight (Transportation Services)	-
7018150	Equipment Rental (w/o operator, frac tanks, lightplants)	115,000
7018120	Rental Buildings (trailers)	15,000
7000030	Contract Labor - Pumping (pump-down pumps)	30,000
7011010	8% Contingency & Taxes	279,600
TOTAL COMPLETION - INTANGIBLE		\$4,179,600
TOTAL COMPLETION COST		\$4,194,600

SURFACE EQUIPMENT - TANGIBLE

7012350	Misc. Piping, Fittings & Valves	85,795
7006640	Company Labor & Burden	-
7000030	Contract Labor - General	74,150
7001110	Telecommunication equip (Telemetry)	-
7012410	Line Pipe & Accessories	27,950
7012270	Miscellaneous Materials (containment system)	43,230
7008060	SCADA	-
7016180	Freight - truck	-
7001190	Contract Engineering	29,115
7012290	Metering and Instrumentation	237,080
7012290	I&E Materials	-
7012200	Gas Treating	-
7012200	Dehydration	-
7012010	Compressor	-
7012350	Power	-
7012618	Vapor Recovery Unit	-
7012440	Separator & other pressure vessels	67,350
7012500	Tanks	193,450
7012100	Heater Treater	17,560
7012640	Flare & Accessories	11,645
7000010	Electrical Labor	29,115
7000010	Mechanical Labor	-
7012480	Rod Pumping unit & Pad	-
7012180	Pumping Unit Engine	-
7012350	Electrical Power (electrical cooperative construction costs)	23,290
TOTAL SURFACE EQUIPMENT - TANGIBLE		\$839,730
TOTAL SURFACE EQUIPMENT COST		\$ 839,730

ARTIFICIAL LIFT

7012580	Tubing	50,000
7012040	Tubing Accessories (nipple, wireline entry)	5,000
7012550	Wellhead Equip	5,000
7012560	Packers - Completion Equipment	5,000
7006640	Company Labor	6,000
7012180	Gas Lift Equipment	23,000
7012480	Rod Pumping, Sucker Rods & Rod Pump	-
7012140	Elect Sub Pumps (ESP)	-
7019350	Well Services-Well/Wellhead Services	42,500
7012270	Materials & Supplies-Tangible	25,000
7012550	Surface Wellhead Equipment	3,000
7012390	Pkg Launchers/Receivers & Rel Equip	-
7011010	Contingency & Taxes	5,000
TOTAL ARTIFICIAL LIFT		169,500
TOTAL ARTIFICIAL LIFT COST		\$ 169,500

SUMMARY OF ESTIMATED DRILLING WELL COSTS

	TOTAL COST
TOTAL LOCATION COST	\$ 35,625
TOTAL DRILLING COST	\$ 3,266,448
TOTAL COMPLETIONS COST	\$ 4,194,600
TOTAL SURFACE EQUIPMENT COST	\$ 839,730
TOTAL ARTIFICIAL LIFT COST	\$ 169,500
GRAND TOTAL COST	\$8,505,903

Name of
 Company: _____

Signature: _____

Title: _____ Date: _____

Exhibit 8

Will Kane 15 TB Fee 7H

Structure Map – Top of Wolfcamp (SSTVD)

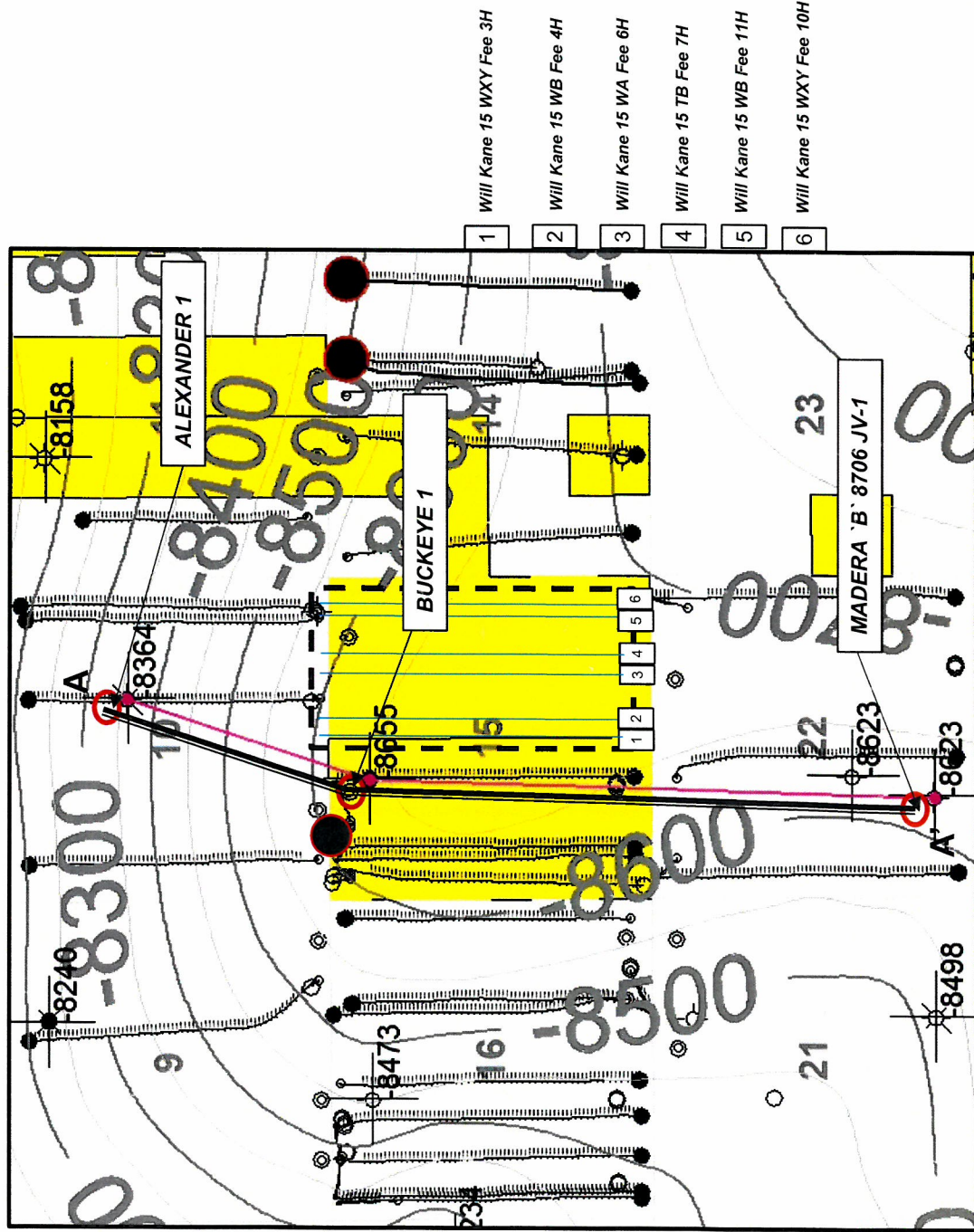


Exhibit 9

Will Kane 15 TB Fee 7H

Stratigraphic Cross Section (Top Wolfcamp Datum)

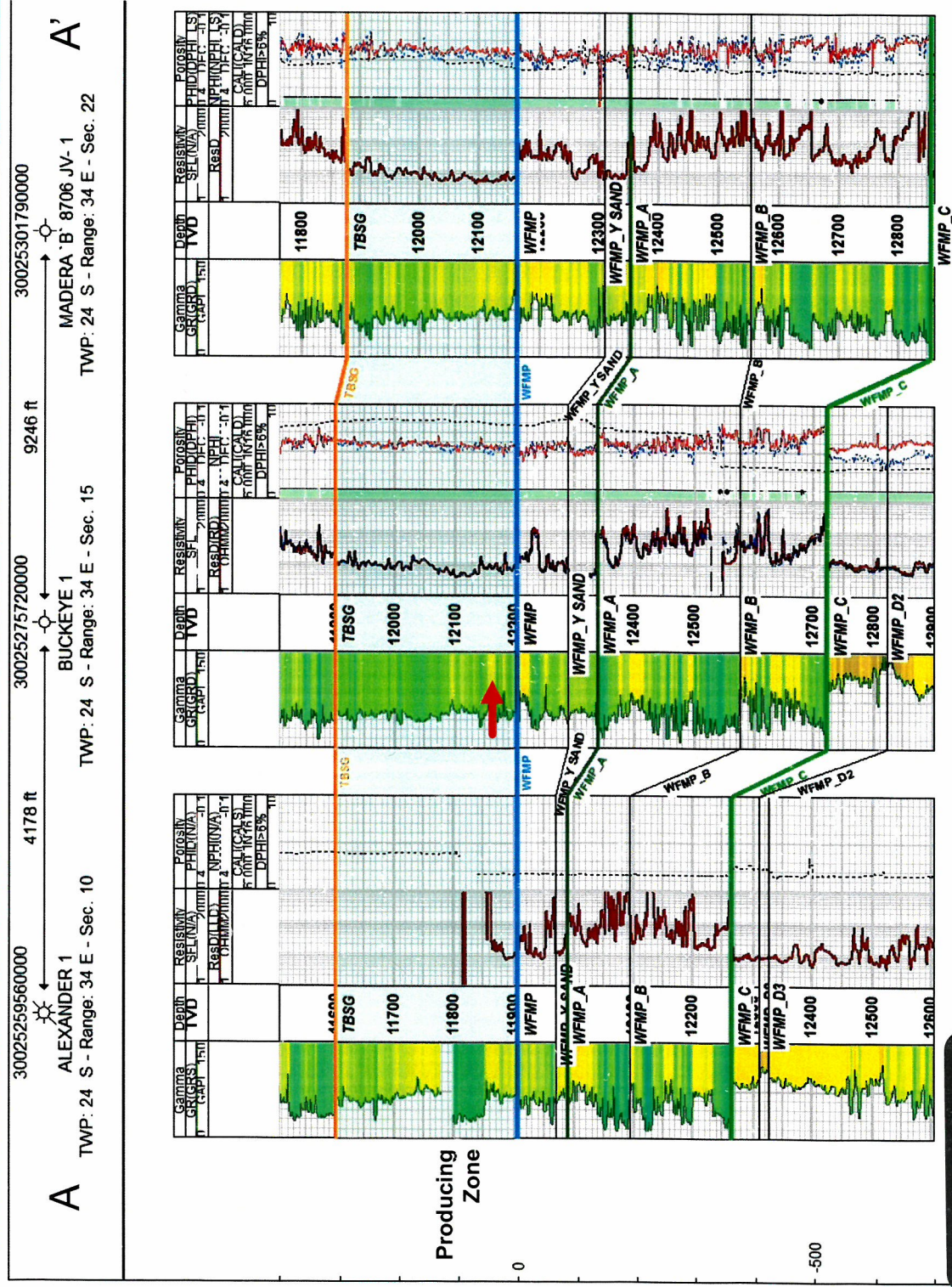
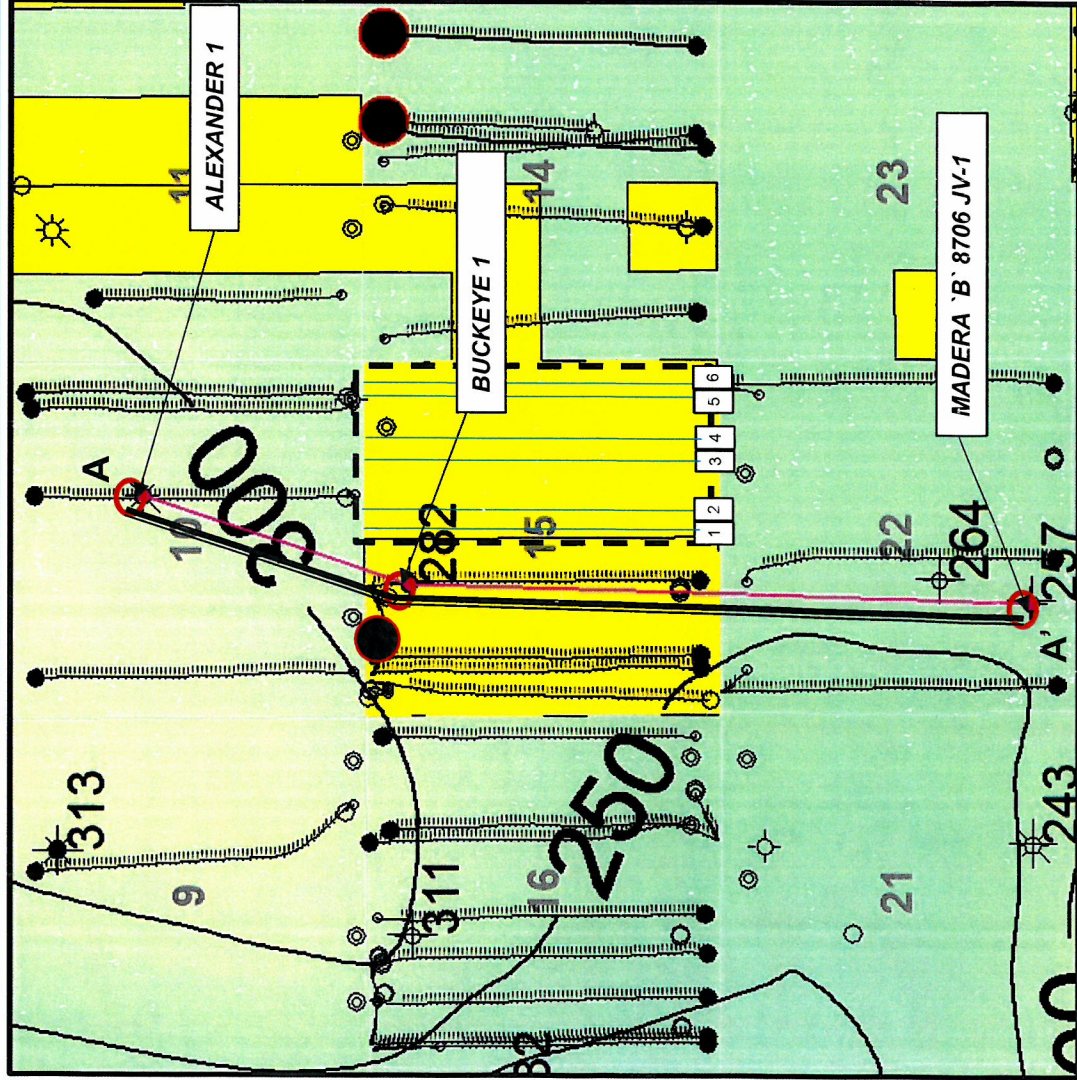


Exhibit 10

Will Kane 15 TB Fee 7H

Gross Sand Isochore – Third Bone Spring



- 1 Will Kane 15 WXY Fee 3H
- 2 Will Kane 15 WB Fee 4H
- 3 Will Kane 15 WA Fee 6H
- 4 Will Kane 15 TB Fee 7H
- 5 Will Kane 15 WB Fee 11H
- 6 Will Kane 15 WXY Fee 10H

Map Legend



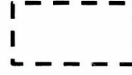
MRO – Horizontal Location



Offsetting TB Producers



MRO Acreage



Project Area

C.I. = 50'

1 mile

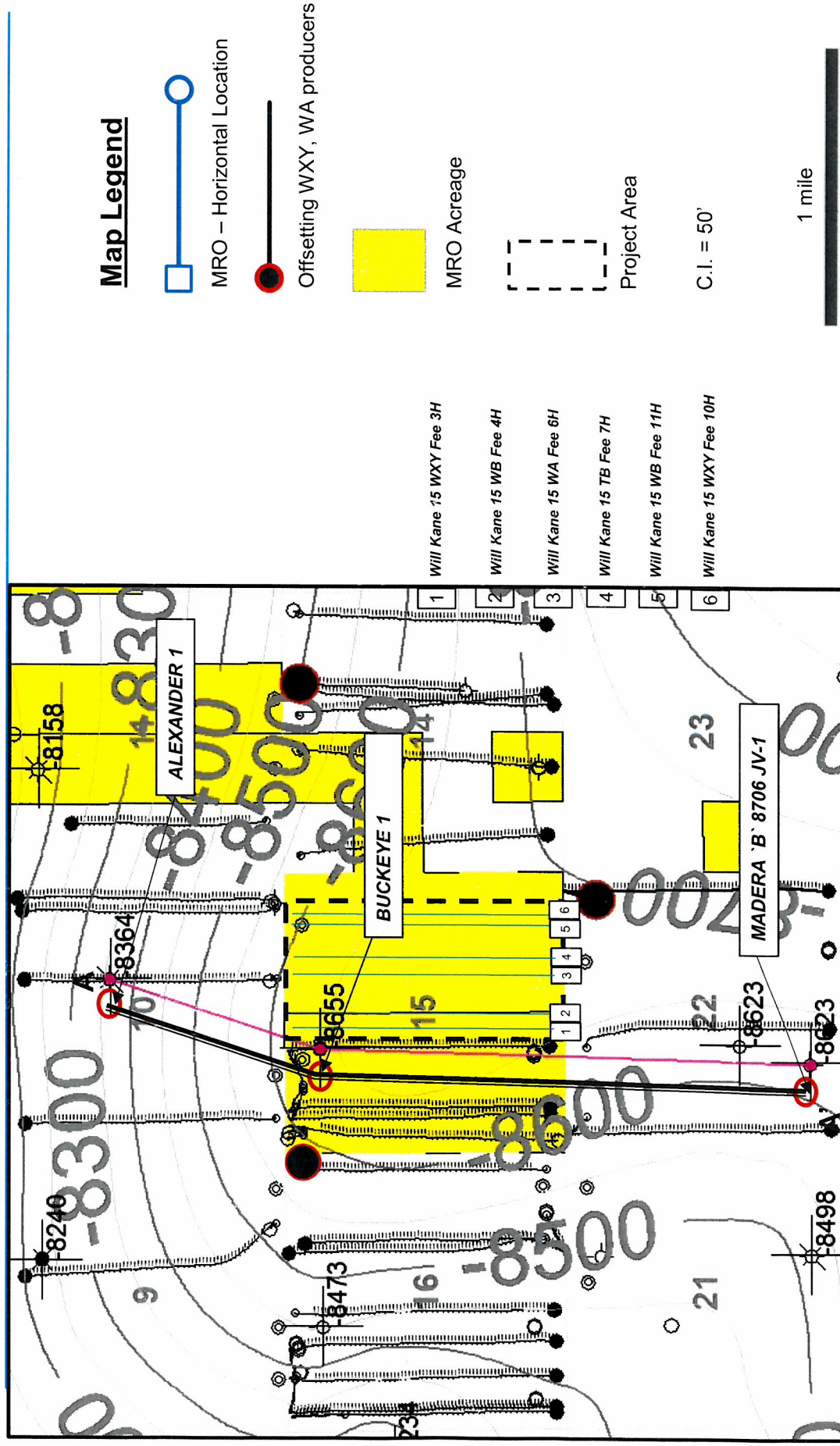
EXHIBIT

10

Exhibit 11

Will Kane 15 WXY Fee 3H, 15 WB Fee 4H, 15 WA Fee 6H, 15 WXY Fee 10H; 15 WB Fee 11H

Structure Map – Top of Wolfcamp (SSTVD)



EXHIBIT

11

tabbles

Exhibit 12

Will Kane 15 WXY Fee 3H, 15 WB Fee 4H, 15 WA Fee 6H, 15 WXY Fee 10H; 15 WB Fee 11H

Stratigraphic Cross Section (Top Wolfcamp Datum)

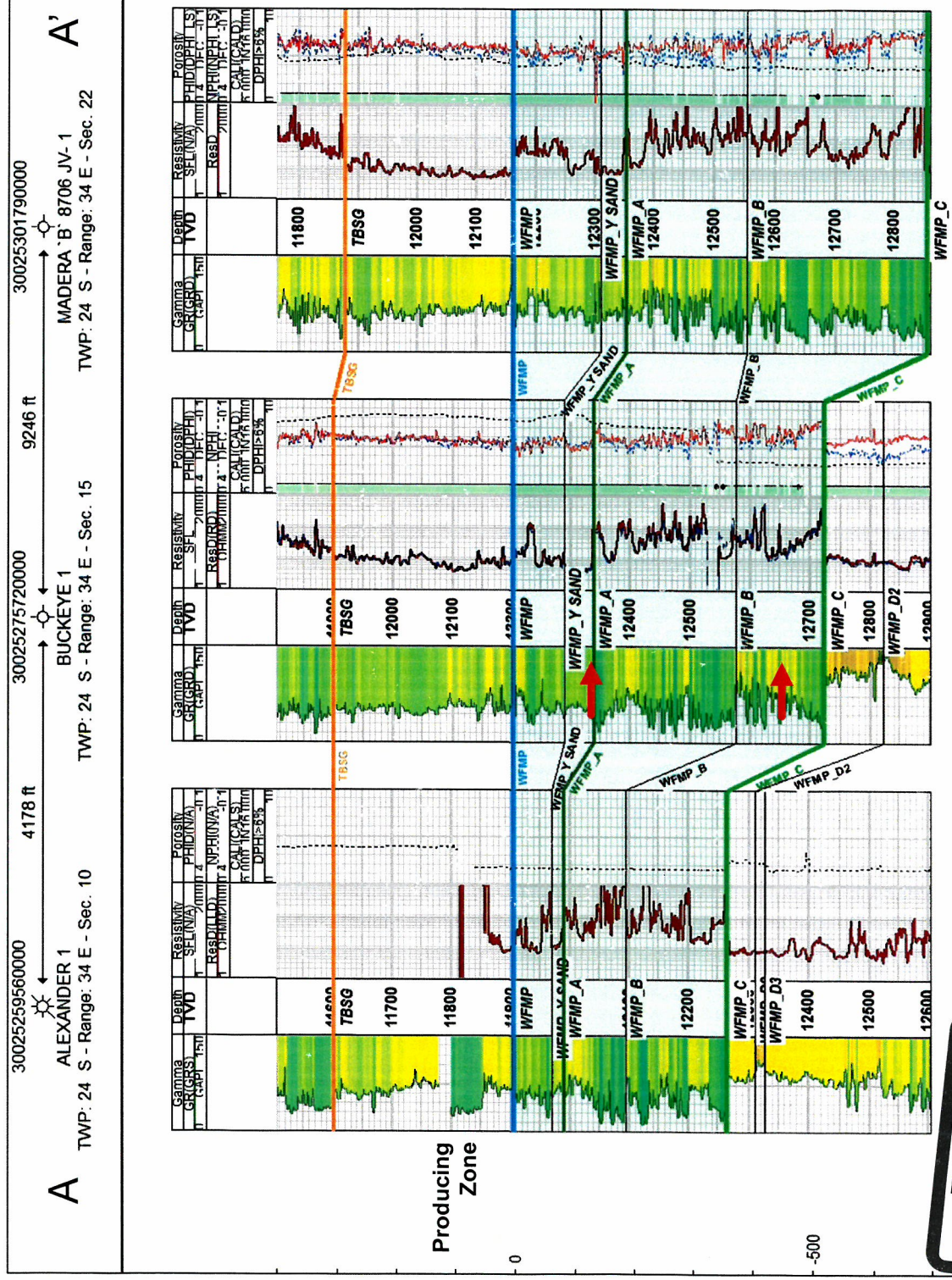


Exhibit 13

Will Kane 15 WXY Fee 3H, 15 WB Fee 4H, 15 WA Fee 6H, 15 WXY Fee 10H; 15 WB Fee 11H

Gross Interval Isochore – Wolfcamp to Wolfcamp C

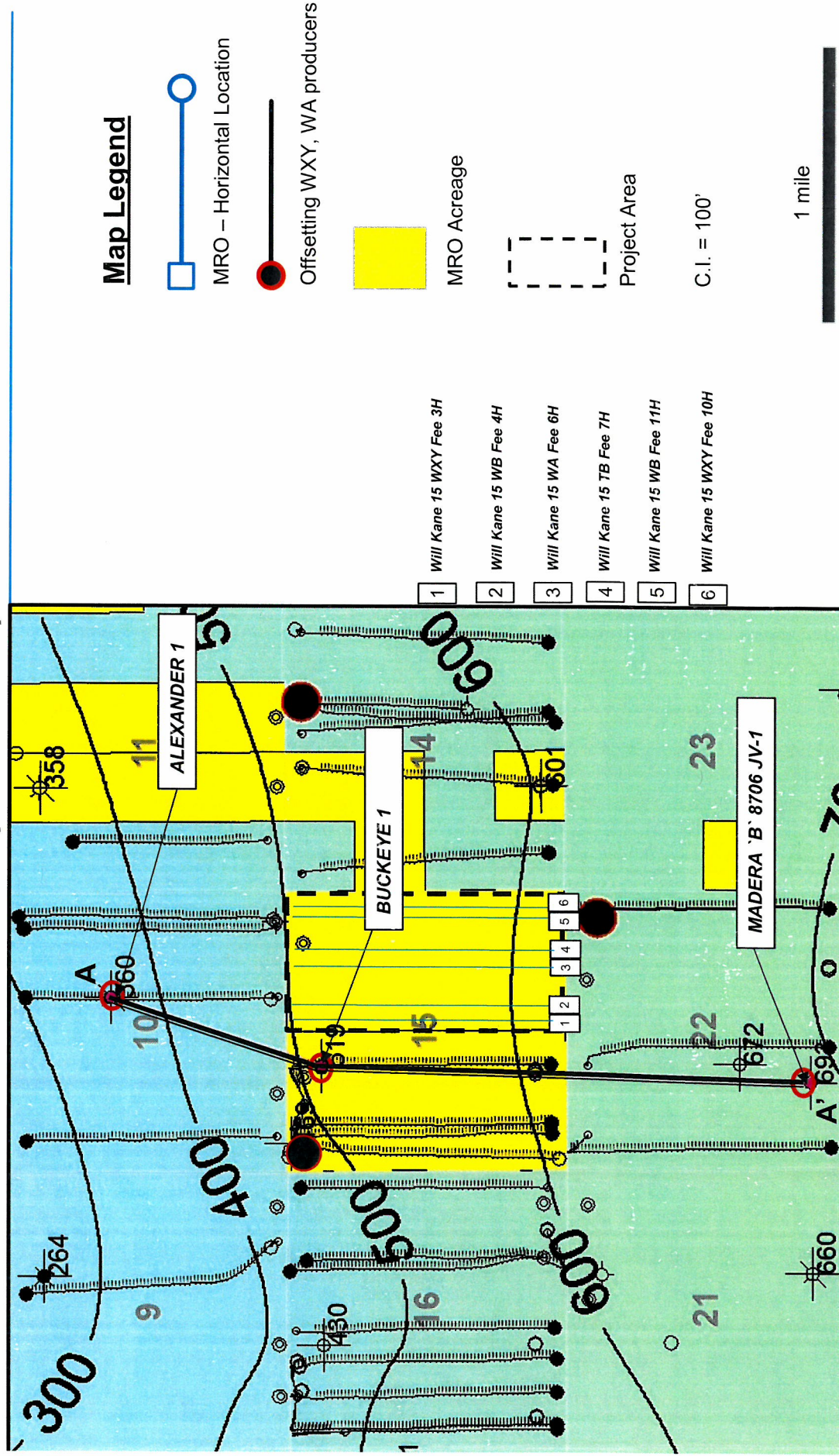


Exhibit 14

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

**APPLICATION OF MARATHON
OIL PERMIAN LLC FOR COMPUSLORY
POOLING, LEA COUNTY, NEW MEXICO.**

CASE NO. 20220

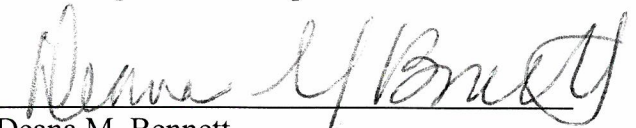
**APPLICATION OF MARATHON
OIL PERMIAN LLC FOR COMPUSLORY
POOLING, LEA COUNTY, NEW MEXICO.**

CASE NO. 20221

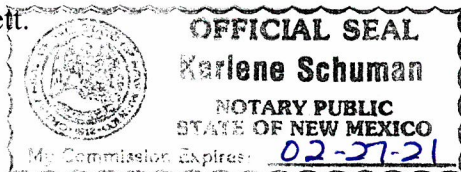
AFFIDAVIT

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 sent under a notice letter and that proof of receipt is attached hereto.


Deana M. Bennett

SUBSCRIBED AND SWORN to before me this 1st day of February, 2019 by Deana M. Bennett.




Notary Public

My commission expires: 02-27-21



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

PS Form 3877

Type of Mailing: CERTIFIED
01/04/2019



Firm Mailing Book ID: 158414

Line	Article Number	Name, Street & P.O. Address	Postage	Fee	R.R.Fee	Reference	Rest.Del.Fee Contents
1	9314 8699 0430 0054 4957 57	Chevron USA, Inc. 6301 Deauville Blvd. Midland TX 79706	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
2	9314 8699 0430 0054 4957 64	Synergy Land Group, LLC P.O. Box 82009 Lafayette LA 70598	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
3	9314 8699 0430 0054 4957 71	Tap Rock Resources, LLC 602 Park Point Drive, Suite 200 Golden CO 80401	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
4	9314 8699 0430 0054 4957 88	Energen Resources Corporation 605 Richard Arrington Jr. Blvd. North Birmingham AL 35203	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
5	9314 8699 0430 0054 4957 95	Jetstream New Mexico, LLC P.O. Box 471396 Fort Worth TX 76114	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
6	9314 8699 0430 0054 4958 01	West Texas State University 2501 4th Ave. Canyon TX 79016	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
7	9314 8699 0430 0054 4958 18	Estate of Cyle Britton Atwood 4200 Jackson Ave. Apt. 4017 Austin TX 78731	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
8	9314 8699 0430 0054 4958 25	Ginger Butler Clayton 10390 N. Naskapi Pt. Dunnellon FL 34434	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
9	9314 8699 0430 0054 4958 32	Ohio State University 281 W. Lane Ave. Columbus OH 43210	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
10	9314 8699 0430 0054 4958 49	Roy G. Barton, Jr., trustee "Roy G. Barton, Sr and Opal Barton Revocable Trust P.O. Box 978 Hobbs NM 88240	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
11	9314 8699 0430 0054 4958 56	Chevron Midcontinent, LP 6301 Deauville Blvd. Midland TX 79706	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
12	9314 8699 0430 0054 4958 63	Regeneration Energy Corp. P.O. Box 210 Artesia NM 88211	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
13	9314 8699 0430 0054 4958 70	MRC Permian LKF Company 5400 LBJ Freeway, Suite 1500 Dallas TX 75240	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
14	9314 8699 0430 0054 4958 87	MRC Permian Company 5400 LBJ Freeway, Suite 1500 Dallas TX 75240	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
15	9314 8699 0430 0054 4958 94	COG Production, LLC 600 W Illinois Avenue Midland TX 79701	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice

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

PS Form 3877

Type of Mailing: CERTIFIED
01/04/2019



Firm Mailing Book ID: 158414

Line	Article Number	Name, Street & P.O. Address	Postage	Fee	R.R.Fee	Reference	Rest.Del.Fee Contents
16	9314 8699 0430 0054 4959 00	COG Operating LLC 600 W Illinois Avenue Midland TX 79701	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
17	9314 8699 0430 0054 4959 17	OXY USA WTP, LLC 5 Greeway Plaza, Suite 110 Houston TX 77046	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
18	9314 8699 0430 0054 4959 24	Centennial Resource Production, LLC 1001 17th Street, Suite 1800 Denver CO 80202	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
19	9314 8699 0430 0054 4959 31	The Allar Company P.O. Box 1567 Graham TX 76450	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
20	9314 8699 0430 0054 4959 48	EOG Resources, Inc. 5509 Champions Drive Midland TX 79706	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
21	9314 8699 0430 0054 4959 55	ConocoPhillips Company 600 N. Dairy Ashford Rd., EC3 07 7-E305 Houston TX 77079	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
22	9314 8699 0430 0054 4959 62	White Gold Corporation P.O. Box 730 Roswell NM 88202	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
23	9314 8699 0430 0054 4959 79	Justin Nine and Wife Sara Nine 4414 10th Street Lubbock TX 79416	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
24	9314 8699 0430 0054 4959 86	Energex, LLC 4425 98th Street, Suite 200 Lubbock TX 79424	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
25	9314 8699 0430 0054 4959 93	New Mexico Department of Transportation P.O. Box 1149 Santa Fe NM 87504	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
Totals:			\$30.25	\$86.25	\$37.50	Grand Total:	\$0.00 \$154.00

List Number of Pieces
Listed by Sender

Total Number of Pieces
Received at Post Office

Postmaster:

Name of receiving employee

Dated:

25

[Handwritten Signature]
JAN 10 2019

Transaction Report Details - CertifiedPro.net
Firm Mail Book ID= 158414
Generated: 2/1/2019 1:40:56 PM

Certified Mail Article Number	Date Created	Name 1	Name 2	Address	City	State	Zip	Certified Mailing Status	Service Options	Mail Delivery Date
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9314869904300054495986	2019-01-04 9:55 AM	Energex, LLC		4425 98th Street, Suite 200	Lubbock	TX	79424	To be Returned	Return Receipt - Electronic	
9314869904300054495979	2019-01-04 9:55 AM	Justin Nire and Wife Sara Nire		4414 10th Street	Lubbock	TX	79416	To be Returned	Return Receipt - Electronic	
9314869904300054495962	2019-01-04 9:55 AM	White Gold Corporation		P.O. Box 730	Roswell	NM	88202	Delivered	Return Receipt - Electronic	01-08-2019
9314869904300054495955	2019-01-04 9:55 AM	ConocoPhillips Company		600 N. Dairy Ashford Rd., EC3 07 7-E305	Houston	TX	77079	Delivered	Return Receipt - Electronic	
9314869904300054495948	2019-01-04 9:55 AM	EOG Resources, Inc.		5509 Champions Drive	Midland	TX	79706	Delivered	Return Receipt - Electronic	01-08-2019
9314869904300054495931	2019-01-04 9:55 AM	The Allar Company		P.O. Box 1567	Graham	TX	76450	Delivered	Return Receipt - Electronic	01-09-2019
9314869904300054495924	2019-01-04 9:55 AM	Centennial Resource Production, LLC		1001 17th Street, Suite 1800	Denver	CO	80202	Delivered	Return Receipt - Electronic	01-12-2019
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9314869904300054495900	2019-01-04 9:55 AM	COG Operating LLC		600 W Illinois Avenue	Midland	TX	79701	Delivered	Return Receipt - Electronic	01-10-2019
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9314869904300054495870	2019-01-04 9:55 AM	MRC Permian LKE Company		5400 LBI Freeway, Suite 1500	Dallas	TX	75240	Delivered	Return Receipt - Electronic	01-07-2019
9314869904300054495863	2019-01-04 9:55 AM	Regeneration Energy Corp.		P.O. Box 210	Artesia	NM	88211	Delivered	Return Receipt - Electronic	01-07-2019
9314869904300054495856	2019-01-04 9:55 AM	Chevron Midcontinent, LP		6301 Deauville Blvd.	Midland	TX	79706	Delivered	Return Receipt - Electronic	01-07-2019
9314869904300054495849	2019-01-04 9:55 AM	Roy G. Barton, Jr., trustee "Roy G. Barton, Sr. and Opal Barton Revocable Trust		P.O. Box 978	Hobbs	NM	88240	Delivered	Return Receipt - Electronic	01-07-2019
9314869904300054495832	2019-01-04 9:55 AM	Ohio State University		281 W. Lane Ave.	Columbus	OH	43210	Delivered	Return Receipt - Electronic	01-07-2019
9314869904300054495825	2019-01-04 9:55 AM	Ginger Butler Clayton		10990 N. Naskapi Pt.	Dunnellon	FL	34434	Delivered	Return Receipt - Electronic	01-07-2019
9314869904300054495818	2019-01-04 9:55 AM	Estate of Cyle Britton Atwood		4200 Jackson Ave. Apt. 4017	Austin	TX	78731	Delivered	Return Receipt - Electronic	01-22-2019
9314869904300054495801	2019-01-04 9:55 AM	West Texas State University		2501 4th Ave.	Canyon	TX	79016	Delivered	Return Receipt - Electronic	01-07-2019
9314869904300054495795	2019-01-04 9:55 AM	Jetstream New Mexico, LLC		P.O. Box 471396	Fort Worth	TX	76114	Delivered	Return Receipt - Electronic	01-10-2019
9314869904300054495788	2019-01-04 9:55 AM	Energen Resources Corporation		605 Richard Arrington Jr. Blvd. North	Birmingham	AL	35203	Undelivered	Return Receipt - Electronic	01-07-2019
9314869904300054495771	2019-01-04 9:55 AM	Tap Rock Resources, LLC		602 Park Point Drive, Suite 200	Golden	CO	80401	Delivered	Return Receipt - Electronic	01-09-2019
9314869904300054495764	2019-01-04 9:55 AM	Synergy Land Group, LLC		P.O. Box 82009	Lafayette	LA	70598	Delivered	Return Receipt - Electronic	01-07-2019
9314869904300054495757	2019-01-04 9:55 AM	Chevron USA, Inc.		6301 Deauville Blvd.	Midland	TX	79706	Delivered	Return Receipt - Electronic	01-07-2019

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

PS Form 3877

Type of Mailing: CERTIFIED
01/11/2019

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names
Firm Mailing Book ID: 158856 KS



Line	Article Number	Name, Street & P.O. Address	Postage	Fee	R.R.Fee	Reference	Rest.Del.Fee Contents
1	9314 8699 0430 0054 7688 13	Safemark Companies, LLC 802 Lake Creek Dr. McKinney TX 75070	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
2	9314 8699 0430 0054 7688 20	Alpha Permian Resources, LLC P.O. Box 10701 Midland TX 79702	\$1.21	\$3.45	\$1.50	81364-0124	\$0.00 Notice
Totals:			\$2.42	\$6.90	\$3.00		\$0.00
			Grand Total:				\$12.32

List Number of Pieces
Listed by Sender

Total Number of Pieces
Received at Post Office

Postmaster:
Name of receiving employee

Dated:

Transaction Report Details - CertifiedPro.net

Firm Mail Book ID= 158856

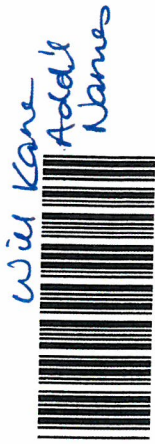
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Certified Mail Article Number	Date Created	Name 1	Address	City	State	Zip	Certified Mailing Status	Service Options	Mail Delivery Date
9314869904300054768820	2019-01-11 9:45 AM	Alpha Permian Resources, LLC	P.O. Box 10701	Midland	TX	79702	Delivered	Return Receipt - Electronic	01-24-2019
9314869904300054768813	2019-01-11 9:45 AM	Safemark Companies, LLC	802 Lake Creek Dr	McKinney	TX	75070	Delivered	Return Receipt - Electronic	01-15-2019

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

PS Form 3877

Type of Mailing: CERTIFIED
01/17/2019



Firm Mailing Book ID: 159232

Line	Article Number	Name, Street & P.O. Address	Postage	Fee	R.R.Fee	Reference	Rest.Del.Fee Contents
1	9314 8699 0430 0054 9891 64	Don C. Lewis P.O. Box 1738 Lubbock TX 79408	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
2	9314 8699 0430 0054 9891 71	Cathie Cone McCown P.O. Box 658 Dripping Springs TX 78620	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
3	9314 8699 0430 0054 9891 88	Chisos Minerals, LLC 1111 Bagby Street, Suite 2150 Houston TX 77002	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
4	9314 8699 0430 0054 9891 95	Foundation Minerals, LLC P.O. Box 50820 Midland TX 79710	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
5	9314 8699 0430 0054 9892 01	Horton Royalty, LLC P.O. Box 50938 Midland TX 79710	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
6	9314 8699 0430 0054 9892 18	John and Theresa Hillmand Family Properties, LP P.O. Box 50187 Midland TX 79710	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
7	9314 8699 0430 0054 9892 25	Llano Natural Resources, LLC 4920 S. Loop 289, Suite 206 Lubbock TX 79414	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
8	9314 8699 0430 0054 9892 32	Mavros Minerals, LLC P.O. Box 50820 Midland TX 79710	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
9	9314 8699 0430 0054 9892 49	Oak Valley Mineral and Land, LP P.O. Box 50820 Midland TX 79710	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
10	9314 8699 0430 0054 9892 56	Marilyn Cone, Trustee for D.C. Trust (Douglas Cone) P.O. Box 64244 Lubbock TX 79244	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
11	9314 8699 0430 0054 9892 63	Meridian Exploration, LLC 4425 98th Street, Suite 200 Lubbock TX 79424	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
12	9314 8699 0430 0054 9892 70	Tom R. Cone P.O. Box 400 Southwest City MO 64863	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
13	9314 8699 0430 0054 9892 87	Barbara Sue Hodges Stogsdill 511 Gibson West Memphis AR 72301	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
14	9314 8699 0430 0054 9892 94	Beverly Jo Hodges 956 Oak Hills Parkway Baton Rouge LA 70810	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
15	9314 8699 0430 0054 9893 00	Janice Ann Hodges 714 Richmond Drive Norman OK 73071	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice

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

PS Form 3877

Type of Mailing: CERTIFIED
01/17/2019



Firm Mailing Book ID: 159232

Line	Article Number	Name, Street & P.O. Address	Postage	Fee	R.R.Fee	Reference	Rest.Del.Fee Contents
16	9314 8699 0430 0054 9893 17	Beverly Burke Blair 2635 Bamboo Drive Lake Havasu City AZ 86403	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
17	9314 8699 0430 0054 9893 24	Doranne Brown Sims 303 W. Coal Hobbs NM 88240	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
18	9314 8699 0430 0054 9893 31	Fortis Minerals II, LLC 1111 Bagby Street, Suite 2150 Houston TX 77002	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
19	9314 8699 0430 0054 9893 48	Harold Brown 14400 N. Bensing Rd. Hobbs NM 88242	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
20	9314 8699 0430 0054 9893 55	J. L. Burke, III 8928 Meadowknoll Drive Dallas TX 75243	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
21	9314 8699 0430 0054 9893 62	Marilyn Burke Salter 20031 82nd Ave. West Edmond WA 98026	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
22	9314 8699 0430 0054 9893 79	Nancy I. Farmer 5136 East 35th Tulsa OK 74135	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
23	9314 8699 0430 0054 9893 86	Patricia J. Kelly 2704 East Player Spokane WA 99223	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
24	9314 8699 0430 0054 9893 93	Mildred M. Montgomery 82 April Wind South Drive Montgomery TX 77356	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
25	9314 8699 0430 0054 9894 09	The Fulenwider Family Partnership, Ltd. 3360 Spruce Ln. Grapevine TX 76051	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
26	9314 8699 0430 0054 9894 16	University of Southwest Foundation P.O. Box 5430 Hobbs NM 88241	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
27	9314 8699 0430 0054 9894 23	University of Southwest 6610 N Lovington HWY Hobbs NM 88240	\$1.21	\$3.45	\$1.50	81363-0124	\$0.00 Notice
Totals:			\$32.67	\$93.15	\$40.50	Grand Total:	\$0.00 \$166.32

List Number of Pieces
Listed by Sender

Total Number of Pieces
Received at Post Office

Postmaster:
Name of receiving employee

Dated:

Transaction Report Details - CertifiedPro.net
Firm Mail Book ID= 159232
Generated: 2/1/2019 1:57:25 PM

Certified Mail Article Number	Date Created	Name 1	Name 2	Address	City	State	Zip	Certified Mailing Status	Service Options	Mail Delivery Date
9314869904300054989423	2019-01-17 10:36 AM	University of Southwest		6610 N Lovington HWY	Hobbs	NM	88240	Delivered	Return Receipt - Electronic	01-22-2019
9314869904300054989416	2019-01-17 10:36 AM	University of Southwest Foundation		P.O. Box 5430	Hobbs	NM	88241	Delivered	Return Receipt - Electronic	01-24-2019
9314869904300054989409	2019-01-17 10:36 AM	The Fulewider Family Partnership, Ltd.		3360 Spruce Ln.	Grapevine	TX	76051	Delivered	Return Receipt - Electronic	01-23-2019
9314869904300054989393	2019-01-17 10:36 AM	Mildred M. Montgomery		82 April Wind South Drive	Montgomery	TX	77356	Mailed	Return Receipt - Electronic	
9314869904300054989386	2019-01-17 10:36 AM	Patricia J. Kelly		2704 East Player	Spokane	WA	99223	Delivered	Return Receipt - Electronic	01-25-2019
9314869904300054989379	2019-01-17 10:36 AM	Nancy I. Farmer		5136 East 35th	Tulsa	OK	74135	Delivered	Return Receipt - Electronic	01-28-2019
9314869904300054989362	2019-01-17 10:36 AM	Marilyn Burke Salter		20031 82nd Ave. West	Edmond	WA	98026	Delivered	Return Receipt - Electronic	01-23-2019
9314869904300054989355	2019-01-17 10:36 AM	J. L. Burke, III		8928 Meadowknoll Drive	Dallas	TX	75243	Delivered	Return Receipt - Electronic	01-23-2019
9314869904300054989348	2019-01-17 10:36 AM	Harold Brown		14400 N. Bensing Rd.	Hobbs	NM	88242	Delivered	Return Receipt - Electronic	01-23-2019
9314869904300054989331	2019-01-17 10:36 AM	Fortis Minerals II, LLC		1111 Bagby Street, Suite 2150	Houston	TX	77002	Delivered	Return Receipt - Electronic	01-29-2019
9314869904300054989324	2019-01-17 10:36 AM	Doranne Brown Sims		303 W. Coal	Hobbs	NM	88240	Delivered	Return Receipt - Electronic	01-24-2019
9314869904300054989317	2019-01-17 10:36 AM	Beverly Burke Blair		2635 Bamboo Drive	Lake Havasu City	AZ	86403	Forwarded	Return Receipt - Electronic	
9314869904300054989300	2019-01-17 10:36 AM	Janice Ann Hodges		714 Richmond Drive	Norman	OK	73071	Delivered	Return Receipt - Electronic	01-24-2019
9314869904300054989294	2019-01-17 10:36 AM	Beverly Jo Hodges		956 Oak Hills Parkway	Baton Rouge	LA	70810	Delivered	Return Receipt - Electronic	01-23-2019
9314869904300054989287	2019-01-17 10:36 AM	Barbara Sue Hodges Stogsdill		511 Gibson	West Memphis	AR	72301	To be Returned	Return Receipt - Electronic	
9314869904300054989270	2019-01-17 10:36 AM	Tom R. Cone		P.O. Box 400	Southwest City	MO	64863	Delivered	Return Receipt - Electronic	01-22-2019
9314869904300054989263	2019-01-17 10:36 AM	Meridian Exploration, LLC		4425 98th Street, Suite 200	Lubbock	TX	79424	Mailed	Return Receipt - Electronic	
9314869904300054989256	2019-01-17 10:36 AM	Marilyn Cone, Trustee for D.C. Trust	(Douglas Cone)	P.O. Box 64244	Lubbock	TX	79444	Delivered	Return Receipt - Electronic	01-31-2019
9314869904300054989249	2019-01-17 10:36 AM	Oak Valley Mineral and Land, LP		P.O. Box 50820	Midland	TX	79710	Delivered	Return Receipt - Electronic	01-25-2019
9314869904300054989232	2019-01-17 10:36 AM	Mavros Minerals, LLC		P.O. Box 50820	Midland	TX	79710	Delivered	Return Receipt - Electronic	01-25-2019
9314869904300054989225	2019-01-17 10:36 AM	Llano Natural Resources, LLC		4920 S. Loop 289, Suite 206	Lubbock	TX	79414	Delivered	Return Receipt - Electronic	01-22-2019
9314869904300054989218	2019-01-17 10:36 AM	John and Theresa Hillmand Family Properties, LP		P.O. Box 50187	Midland	TX	79710	Delivered	Return Receipt - Electronic	01-24-2019
9314869904300054989201	2019-01-17 10:36 AM	Horton Royalty, LLC		P.O. Box 50938	Midland	TX	79710	Delivered	Return Receipt - Electronic	01-24-2019
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9314869904300054989171	2019-01-17 10:36 AM	Cathie Cone McCown		P.O. Box 658	Dripping Springs	TX	78620	Delivered	Return Receipt - Electronic	01-22-2019
9314869904300054989164	2019-01-17 10:36 AM	Don C. Lewis		P.O. Box 1738	Lubbock	TX	79408	Delivered	Return Receipt - Electronic	01-23-2019

Affidavit of Publication

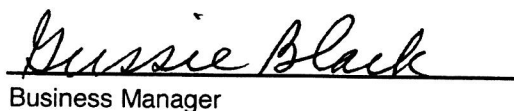
STATE OF NEW MEXICO
COUNTY OF LEA

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).

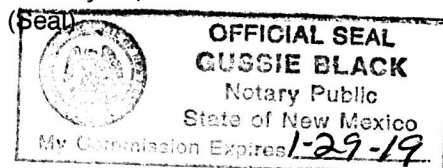
Beginning with the issue dated
January 23, 2019
and ending with the issue dated
January 23, 2019.


Publisher

Sworn and subscribed to before me this
23rd day of January 2019.


Business Manager

My commission expires
January 29, 2019



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

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LEGAL NOTICE
JANUARY 23, 2019

CASE No. 20220: Notice to all affected parties, as well as the heirs and devisees of Chevron USA, Inc., Synergy Land Group, LLC, Tap Rock Resources, LLC, Energen Resources Corporation, Jetstream New Mexico, LLC, West Texas State University, Estate of Cyle Britton Atwood, Ginger Butler Clayton, Ohio State University, Roy G. Barton, Jr., trustee "Roy G. Barton, Sr and Opal Barton Revocable Trust, Chevron Midcontinent, LP, Regeneration Energy Corp., MRC Permian LKE Company, MRC Permian Company, COG Production, LLC, COG Operating LLC, OXY USA WTP, LLC, Centennial Resource Production, LLC, The Allar Company, EOG Resources, Inc., ConocoPhillips Company, White Gold Corporation, Justin Nine and Wife Sara Nine, Energen, LLC, New Mexico Department of Transportation, Safemark Companies, LLC, Alpha Permian Resources, LLC, Don C. Lewis, Cathie Cone McCown, Chisos Minerals, LLC, Foundation Minerals, LLC, Horton Royalty, LLC, John and Theresa Hillmand Family Properties, LP, Llano Natural Resources, LLC, Mavros Minerals, LLC, Oak Valley Mineral and Land, LP, Marilyn Cone, Trustee for D.C. Trust (Douglas Cone), Meridian Exploration, LLC, Tom R. Cone, Barbara Sue Hodges Stogsdill, Beverly Jo Hodges, Janice Ann Hodges, Beverly Burke Blair, Doranne Brown Sims, Fortis Minerals II, LLC, Harold Brown, J. L. Burke, III, Marilyn Burke Salter, Nancy I. Farmer, Patricia J. Kelly, Mildred M. Montgomery, The Fulenwider Family Partnership, Ltd., University of Southwest Foundation, and University of Southwest of Marathon Oil Permian LLC's application for approval of a spacing unit 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 February 7, 2019. Applicant seeks an order from the Division pooling all uncommitted mineral interests within a Wolfcamp horizontal spacing unit underlying the E/2 of Section 15, Township 24 South, Range 34 East, NMPM, Lea County, New Mexico. This proposed spacing unit will be dedicated to the Will Kane 15 WXY Fee 3H, Will Kane 15 WB Fee 4H, Will Kane 15 WA Fee 6H, Will Kane 15 WXY Fee 10H, and Will Kane 15 WB Fee 11H 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 areas are located approximately 17 miles northwest of Jal, New Mexico.

CASE No. 20221: Notice to all affected parties, as well as the heirs and devisees of Chevron USA, Inc., Synergy Land Group, LLC, Tap Rock Resources, LLC, Energen Resources Corporation, Jetstream New Mexico, LLC, West Texas State University, Estate of Cyle Britton Atwood, Ginger Butler Clayton, Ohio State University, Roy G. Barton, Jr., trustee "Roy G. Barton, Sr and Opal Barton Revocable Trust, Chevron Midcontinent, LP, Regeneration Energy Corp., MRC Permian LKE Company, MRC Permian Company, COG Production, LLC, COG Operating LLC, OXY USA WTP, LLC, Centennial Resource Production, LLC, The Allar Company, EOG Resources, Inc., ConocoPhillips Company, White Gold Corporation, Justin Nine and Wife Sara Nine, Energen, LLC, New Mexico Department of Transportation, Safemark Companies, LLC, Alpha Permian Resources, LLC, Don C. Lewis, Cathie Cone McCown, Chisos Minerals, LLC, Foundation Minerals, LLC, Horton Royalty, LLC, John and Theresa Hillmand Family Properties, LP, Llano Natural Resources, LLC, Mavros Minerals, LLC, Oak Valley Mineral and Land, LP, Marilyn Cone, Trustee for D.C. Trust (Douglas Cone), Meridian Exploration, LLC, Tom R. Cone, Barbara Sue Hodges Stogsdill, Beverly Jo Hodges, Janice Ann Hodges, Beverly Burke Blair, Doranne Brown Sims, Fortis Minerals II, LLC, Harold Brown, J. L. Burke, III, Marilyn Burke Salter, Nancy I. Farmer, Patricia J. Kelly, Mildred M. Montgomery, The Fulenwider Family Partnership, Ltd., University of Southwest Foundation, and University of Southwest of Marathon Oil Permian LLC's application for approval of a spacing unit 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 February 7, 2019. Applicant seeks an order from the Division pooling all uncommitted mineral interests within a Bone Spring horizontal spacing unit underlying the E/2 of Section 15, Township 24 South, Range 34 East, NMPM, Lea County, New Mexico. This proposed spacing unit will be dedicated to the Will Kane 15 TB Fee 7 H 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 areas are located approximately 17 miles northwest of Jal, New Mexico. #33654

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P. O. BOX 2168
ALBUQUERQUE, NM 87103-2168