

# Before the Oil Conservation Division Examiner Hearing November 14, 2019

*Case No. 20870: Ender Wiggins 14 TB FC 35H*

*And*

*Case No. 20871: Ender Wiggins 14 TB FC 17H*



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

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

**CASE NO. 20870 & 20871  
(Ender Wiggins Bone Spring)**

**AFFIDAVIT**

STATE OF TEXAS                                 )  
  ) ss.  
COUNTY OF MIDLAND                         )

Ryan Gyllenband, being duly sworn, deposes and states:

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

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

3. I am familiar with the applications filed by Marathon in these cases.

4. I am familiar with the status of the lands that are subject to these applications.

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

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



7. In the applications Marathon filed, Marathon seeks to force pool the working interests owner into the horizontal spacing units described in the applications, and in the wells to be drilled in the units.

8. Attached as **Exhibit 1** is the application for Case No. 20870. In Case No. 20870, Marathon seeks an order from the Division pooling all uncommitted mineral interests within the Bone Spring formation underlying the W/2 E/2 of Section 11 and the W/2 NE/4 of Section 14, Township 25 South, Range 34 East, NMPM, Lea County, New Mexico. This spacing unit will be dedicated to the **Ender Wiggins 14 TB FC 35H** well, to be horizontally drilled.

9. The producing area for the well will be orthodox.

10. Attached as **Exhibit 2** is the application for Case No. 20871. In Case No. 20871, Marathon seeks an order from the Division pooling all uncommitted mineral interests within a Bone Spring horizontal spacing unit underlying the E/2 E/2 of Section 11 and the E/2 NE/4 of Section 14, Township 25 South, Range 34 East, NMPM, Lea County, New Mexico. This spacing unit will be dedicated to the **Ender Wiggins 14 TB FC 17H** well, to be horizontally drilled.

11. The producing area for the well will be orthodox.

12. Attached as **Exhibit 3** are the proposed C-102s for the wells.

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

14. The pool is the Red Hills, Bone Spring East Pool, pool code 97369, which is an oil pool and has 40-acre building blocks.

15. Lease tract maps outlining the units being pooled are attached hereto as **Exhibit 4**. The parties being pooled and the percent of their interests is also included as part of Exhibit 4.

16. There are no depth severances in the Bone Spring formation.

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

18. Also included in Exhibit 4 is a summary of my contacts with the working interest owners.

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

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

21. Exhibit 5 is a copy of a representative proposal letters sent to the working interest owners.

22. The proposal letter identifies the proposed first and last take points and approximate TVD.

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

24. Marathon requests overhead and administrative rates of \$7500.00/month for drilling a well and \$750.00/month for a producing well. These rates are fair, and comparable to the rates charged by other operators for wells of this type in this area of Southeastern, New Mexico. Marathon requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.

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

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

27. Marathon requests that it be allowed a period of one (1) year between when the wells are drilled and when the first well is completed under the order.

28. Marathon requests expedited orders for these cases.

29. **Exhibit 7** is an affidavit of notice prepared by counsel for Marathon that shows the parties who were notified of this hearing, the status of whether they received notice, and an affidavit of publication from the Hobbs-News Sun newspaper, showing that notice of this hearing was published on November 1, 2019.

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

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

32. The granting of these applications is in the interests of conservation and the prevention of waste.

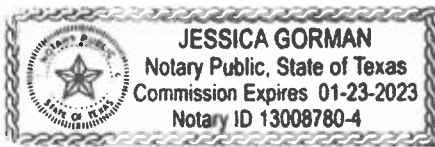
*[Signature page follows]*

  
Ryan Gyllenband

SUBSCRIBED AND SWORN to before me this 12<sup>th</sup> day of November, 2019 by Ryan Gyllenband on behalf of Marathon Oil Permian LLC.

  
Notary Public

My commission expires: 1/23/2023



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

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

CASE NO. 20870

**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 W/2 E/2 of Section 11 and the W/2 NE/4 of Section 14, Township 25 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 W/2 E/2 of Section 11 and the W/2 NE/4 of Section 14, Township 25 South, Range 34 East, NMPM, Lea County, New Mexico to form a 240-acre, more or less, spacing unit.
3. Marathon plans to drill the **Ender Wiggins 14 TB FC 35H** well to a depth sufficient to test the Bone Spring formation. The well will be horizontally drilled and will be drilled at orthodox locations under the Division's rules.
4. 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.



5. 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.

6. 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, Marathon requests this application be set for hearing before an Examiner of the Oil Conservation Division on November 14, 2019, and 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 W/2 E/2 of Section 11 and the W/2 NE/4 of Section 14, Township 25 South, Range 34 East, NMPM, Lea County, New Mexico;

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

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

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 well in the event a working interest owner elects not to participate in the well.

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

Respectfully submitted,

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



By: Deana M. Bennett

Deana M. Bennett

Post Office Box 2168

500 Fourth Street NW, Suite 1000

Albuquerque, New Mexico 87103-2168

Telephone: 505.848.1800

*Attorneys for Applicant*

**CASE NO. \_\_\_\_\_: 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 the Bone Spring formation underlying the W/2 E/2 of Section 11 and the W/2 NE/4 of Section 14, Township 25 South, Range 34 East, NMPM, Lea County, New Mexico. This spacing unit will be dedicated to the **Ender Wiggins 14 TB FC 35H** well, to be horizontally drilled. The producing area for the well will be orthodox. Also to be considered will be the cost of drilling and completing said well, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Marathon as operator of the well, and a 200% charge for risk involved in drilling said well, and allowing a one year period between when the well is drilled and when the well is completed. Said area is located approximately 14 miles west of Jal, New Mexico.

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

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

CASE NO. 20871

**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 Sprng horizontal spacing unit underlying the E/2 E/2 of Section 11 and the E/2 NE/4 of Section 14, Township 25 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 E/2 of Section 11 and the E/2 NE/4 of Section 14, Township 25 South, Range 34 East, NMPM, Lea County, New Mexico to form a 240-acre, more or less, spacing unit.
3. Marathon plans to drill the **Ender Wiggins 14 TB FC 17H** well to a depth sufficient to test the Bone Spring formation. The well will be horizontally drilled and will be drilled at orthodox locations under the Division's rules.
4. 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.



5. 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.

6. 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, Marathon requests this application be set for hearing before an Examiner of the Oil Conservation Division on November 14, 2019, and 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 E/2 of Section 11 and the E/2 NE/4 of Section 14, Township 25 South, Range 34 East, NMPM, Lea County, New Mexico;

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

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

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 well in the event a working interest owner elects not to participate in the well.

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

Respectfully submitted,

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

By: Deana M. Bennett

Deana M. Bennett

Post Office Box 2168

500 Fourth Street NW, Suite 1000

Albuquerque, New Mexico 87103-2168

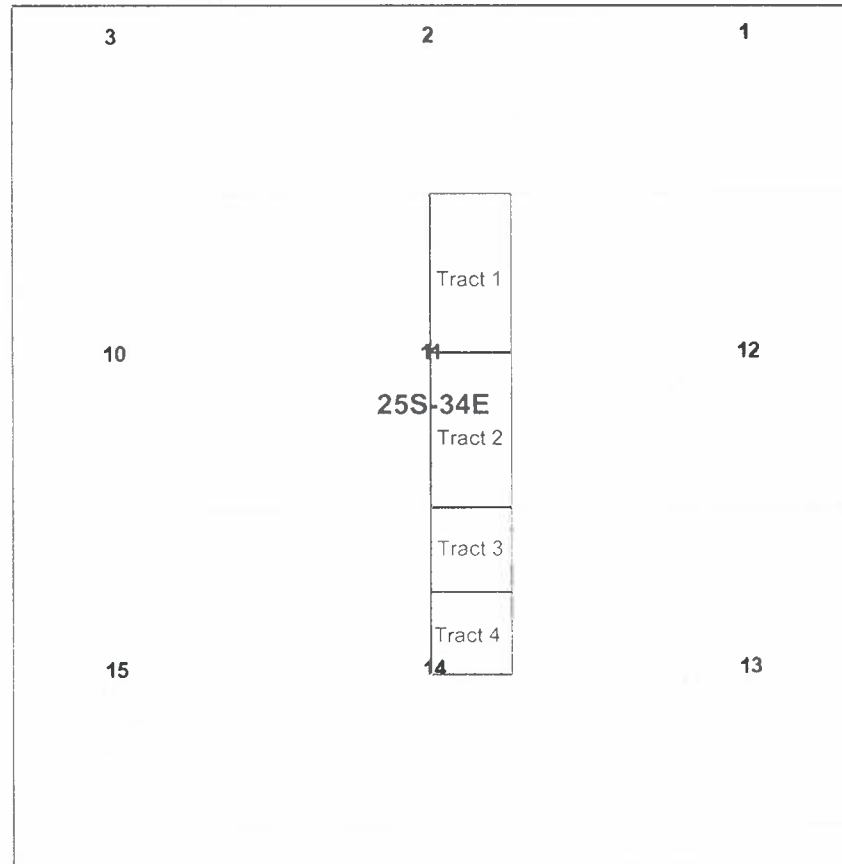
Telephone: 505.848.1800

*Attorneys for Applicant*

**CASE NO. \_\_\_\_\_: 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 horizontal spacing unit underlying the E/2 E/2 of Section 11 and the E/2 NE/4 of Section 14, Township 25 South, Range 34 East, NMPM, Lea County, New Mexico. This spacing unit will be dedicated to the **Ender Wiggins 14 TB FC 17H** well, to be horizontally drilled. The producing area for the well will be orthodox. Also to be considered will be the cost of drilling and completing said well, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Marathon as operator of the well, and a 200% charge for risk involved in drilling said well, and allowing a one year period between when the well is drilled and when the well is completed. Said area is located approximately 14 miles west of Jal, New Mexico.

**" Lease Tract Map**  
**Ender Wiggins 14 TB FC 35H**  
**W/2 E/2 of Section 11, 25S-34E, and W/2 NE/4 of Section 14, 25S-34E – 240 acres**

- Tract 1: Federal Acreage
- Tract 2: Federal Acreage
- Tract 3: Fee Acreage
- Tract 4: Fee Acreage



**Summary of Interests**  
**Ender Wiggins 14 TB FC 35H**  
**W/2 E/2 of Section 11, 25S-34E, and W/2 NE/4 of Section 14, 25S-34E – 240 acres**

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Committed Working Interest:

Marathon Oil Permian LLC

47.148920%

**47.148920%**

Uncommitted Working Interest:

EOG Resources Inc.

18.344908%

Chevron U.S.A. Inc.

16.812721%

Chevron Midcontinent, L.P.

8.333333%

OXY Y-1

8.187279%

COG Operating LLC

1.172839%

**52.851080%**

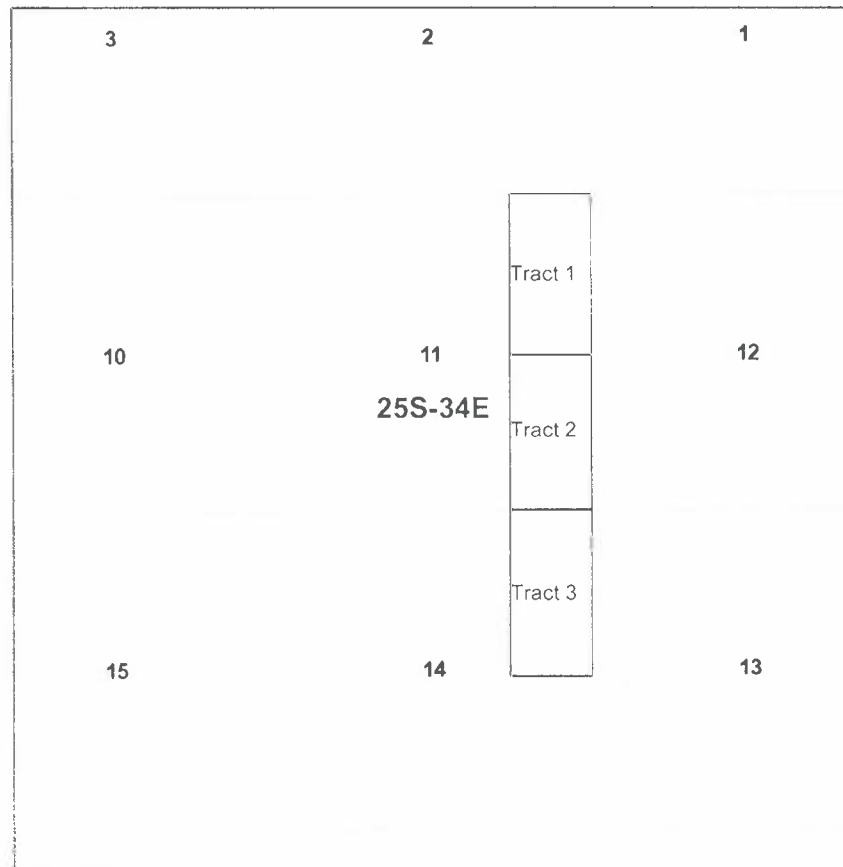




**Lease Tract Map**  
**Ender Wiggins 14 TB FC 17H**  
**E/2 E/2 of Section 11, 25S-34E, and E/2 NE/4 of Section 14, 25S-34E – 240 acres**

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- Tract 1: Federal Acreage
- Tract 2: Federal Acreage
- Tract 3: Fee Acreage



**' Summary of Interests**  
**Ender Wiggins 14 TB FC 17H**  
**E/2 E/2 of Section 11, 25S-34E, and E/2 NE/4 of Section 14, 25S-34E – 240 acres**

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<u>Committed Working Interest:</u>		<b>60.964506%</b>
Marathon Oil Permian LLC	60.964506%	
<u>Uncommitted Working Interest:</u>		<b>39.035494%</b>
Chevron U.S.A. Inc.	16.812721%	
Chevron Midcontinent, L.P.	8.333333%	
OXY Y-1	8.187279%	
EOG Resources Inc.	3.356482%	
COG Operating LLC	2.345679%	

## Summary of Attempted Contacts: Ender Wiggins

- Marathon sent well proposal letters on July 3, 2019.
- According to Marathon's records, all of the proposal letters were received by the parties to whom they were sent.
- Marathon sent Joint Operating Agreements to the working interest owners on September 19, 2019 to see if they would participate in the well and/or execute a joint operating agreement.
- Marathon has continued to work with the working interest owners to accommodate their change requests on the Joint Operating Agreement.
- Marathon filed an application to force pool parties who had not entered in to an agreement.
- Marathon sent notices of the force pooling application to the addresses of record at the time of the filing of the application.
- Marathon then also published notice in a newspaper of general circulation in the county where the wells will be located.

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

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

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number	<sup>2</sup> Pool Code 97369	<sup>3</sup> Pool Name RED HILLS; BONE SPRING EAST
<sup>4</sup> Property Code	<sup>5</sup> Property Name ENDER WIGGINS 14 TB FC	<sup>6</sup> Well Number 35H
<sup>7</sup> OGRID No. 372098	<sup>8</sup> Operator Name MARATHON OIL PERMIAN LLC	<sup>9</sup> Elevation 3359'

<sup>10</sup> Surface Location


UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	14	25S	34E		2289	NORTH	1194	EAST	LEA

<sup>11</sup> Bottom Hole Location If Different From Surface

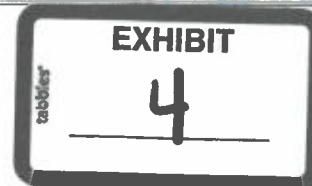
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	11	25S	34E		100	NORTH	1716	EAST	LEA

<sup>12</sup> Dedicated Acres 240.0	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<p><b>Infill Well</b></p> <p><b>LAST TAKE/ BHL</b></p> <p><b>SECTION 11</b></p> <p><b>SECTION 14</b></p> <p><b>KOP/ FIRST TAKE</b></p> <p>SHEET 1 OF 3 JOB No. R3816_018 REV 0 JCS 6/27/2019</p>	<p><b>CORNER COORDINATES</b> NAD 83, SPCS NM EAST A - X: 817573.89' / Y: 420269.32' B - X: 818898.52' / Y: 420276.58' C - X: 818963.27' / Y: 412358.98' D - X: 817639.91' / Y: 412351.77'</p>	<p><b>CORNER COORDINATES</b> NAD 27, SPCS NM EAST A - X: 776387.92' / Y: 420211.03' B - X: 777712.53' / Y: 420218.28' C - X: 777776.90' / Y: 412300.87' D - X: 776453.56' / Y: 412293.69'</p>	<p><b>" OPERATOR CERTIFICATION</b> 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.</p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p> <p>E-mail Address _____</p> <p><b>"SURVEYOR CERTIFICATION</b> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>JULY 9, 2019 Date of Survey _____</p> <p>Signature and Seal of Professional Surveyor: </p> <p>Certificate Number LLOYD P. SHORT 21653</p>
	<p><b>LAST TAKE POINT/BOTTOM HOLE LOCATION</b> 100' FNL 1716' FEL, SECTION 11 NAD 83, SPCS NM EAST X: 818507.98' / Y: 420174.43' LAT: 32.15196875N / LON: 103.43773617W NAD 27, SPCS NM EAST X: 777321.99' / Y: 420116.14' LAT: 32.15184347N / LON: 103.43726705W</p>		
	<p><b>FIRST TAKE POINT</b> 2539' FNL 1716' FEL, SECTION 14 NAD 83, SPCS NM EAST X: 818569.86' / Y: 412456.82' LAT: 32.13075467N / LON: 103.43774362W NAD 27, SPCS NM EAST X: 777383.50' / Y: 412398.74' LAT: 32.13062927N / LON: 103.43727579W</p>		
	<p><b>KICK OFF POINT</b> 2539' FNL 1716' FEL, SECTION 14 NAD 83, SPCS NM EAST X: 818569.86' / Y: 412456.82' LAT: 32.13075467N / LON: 103.43774362W NAD 27, SPCS NM EAST X: 777383.50' / Y: 412398.74' LAT: 32.13062927N / LON: 103.43727579W</p>		
<p><b>SURFACE HOLE LOCATION</b> 2289' FNL 1194' FEL, SECTION 14 NAD 83, SPCS NM EAST X: 819089.42' / Y: 412709.63' LAT: 32.13143764N / LON: 103.43605856W NAD 27, SPCS NM EAST X: 777903.07' / Y: 412651.53' LAT: 32.13131223N / LON: 103.43559075W</p>			

Distances/areas relative to NAD 83 Combined Scale Factor: 0.999997455 Convergence: 00°28'38.15090"



District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0920  
District II  
811 S. First St., Artesia, NM 88210  
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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

<sup>1</sup> API Number	<sup>2</sup> Pool Code 97369	<sup>3</sup> Pool Name RED HILLS; BONE SPRING EAST
<sup>4</sup> Property Code	<sup>5</sup> Property Name ENDER WIGGINS 14 TB FC	<sup>6</sup> Well Number 17H
<sup>7</sup> OGRID No. 372098	<sup>8</sup> Operator Name MARATHON OIL PERMIAN LLC	<sup>9</sup> Elevation 3360'

" Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	14	25S	34E		2290	NORTH	1134	EAST	LEA

" 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	11	25S	34E		100	NORTH	792	EAST	LEA

<sup>12</sup> Dedicated Acres 240.0	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<p><b>Defining Well</b></p> <p><b>CORNER COORDINATES NAD 83, SPCS NM EAST</b> A - X: 818898.52' / Y: 420276.58' B - X: 820223.16' / Y: 420283.84' C - X: 820286.63' / Y: 412366.15' D - X: 818963.27' / Y: 412358.96'</p> <p><b>CORNER COORDINATES NAD 27, SPCS NM EAST</b> A - X: 777712.53' / Y: 420218.28' B - X: 779037.14' / Y: 420225.52' C - X: 779100.24' / Y: 412308.05' D - X: 777776.90' / Y: 412300.87'</p> <p><b>LAST TAKE/BOTTOM HOLE LOCATION</b> 100' FNL 792' FEL, SECTION 11 NAD 83, SPCS NM EAST X: 819431.97' / Y: 420179.50' LAT: 32.15196151N / LON: 103.43475074W NAD 27, SPCS NM EAST X: 778245.96' / Y: 420121.20' LAT: 32.15183619N / LON: 103.43428175W</p> <p><b>FIRST TAKE POINT</b> 2539' FNL 792' FEL, SECTION 14 NAD 83, SPCS NM EAST X: 819493.85' / Y: 412461.85' LAT: 32.13074732N / LON: 103.43475889W NAD 27, SPCS NM EAST X: 778307.47' / Y: 412403.75' LAT: 32.13062189N / LON: 103.43429117W</p> <p><b>KICK OFF POINT</b> 2539' FNL 792' FEL, SECTION 14 NAD 83, SPCS NM EAST X: 819493.85' / Y: 412461.85' LAT: 32.13074732N / LON: 103.43475889W NAD 27, SPCS NM EAST X: 778307.47' / Y: 412403.75' LAT: 32.13062189N / LON: 103.43429117W</p> <p><b>SURFACE HOLE LOCATION</b> 2290' FNL 1134' FEL, SECTION 14 NAD 83, SPCS NM EAST X: 819149.42' / Y: 412709.62' LAT: 32.13143626N / LON: 103.43586475W NAD 27, SPCS NM EAST X: 777963.07' / Y: 412651.52' LAT: 32.13131085N / LON: 103.43539695W</p> <p>SHEET 1 OF 3 JOB No. R3816_014 REV 2 JCS 6/27/2019</p>	<p><b>17 OPERATOR CERTIFICATION</b> 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 released mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p> <p>E-mail Address _____</p> <p><b>18 SURVEYOR CERTIFICATION</b> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>JULY 9, 2019 Date of Survey _____</p> <p>Signature and Seal of Professional Surveyor: </p> <p>Certificate Number LLOYD P. SHORT 21653</p>
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Distances/areas relative to NAD 83 Combined Scale Factor: 0.999997455 Convergence: 00°28'38.15090"

Ryan Gyllenband  
Land Professional



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

July 1, 2019

VIA CERTIFIED RETURN RECEIPT MAIL

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

**Re: Ender Wiggins 14H, 17H, 19H, 20H and 35H Well Proposals**  
Sections 11 & 14, T25S-R34E  
Lea County, New Mexico

Dear Chevron U.S.A. Inc.:

Marathon Oil Permian LLC ("MRO") proposes the drilling of the following wells located in the E/2 of Section 11, and the NE/4 of Section 14, 25S-34E, Lea County, New Mexico all to be drilled from the same surface pad location.

Well Name	FTP	LTP	TVD	MD	AFE Cost
Ender Wiggins 14 WA FC 14H	2,178' FEL/2,540' FNL	2,178' FEL/100' FNL	12,684'	20,693'	\$ 7,998,785
Ender Wiggins 14 TB FC 17H	792' FEL/2,540' FNL	792' FEL/100' FNL	12,470'	20,447'	\$ 7,998,785
Ender Wiggins 14 WA FC 19H	1,254' FEL/2,540' FNL	1,254' FEL/100' FNL	12,706'	20,679'	\$ 7,998,785
Ender Wiggins 14 WA FC 20H	330' FEL/2,540' FNL	330' FEL/100' FNL	12,735'	20,731'	\$ 7,998,785
Ender Wiggins 14 TB FC 35H	1,716' FEL/2,540' FNL	1,716' FEL/100' FNL	12,439'	20,423'	\$ 7,998,785

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

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

- 100%/300%/300% non-consent penalty
- \$7,500/\$750 drilling and producing rates
- Contract area of E/2 Section 11 & NE/4 Section 14, 25S-34E, covering all depths

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

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



This term assignment offer terminates August 1, 2019 and is subject to due diligence and title verification satisfactory to Marathon.

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

Sincerely,

*Ryan Gyllenband*

Ryan Gyllenband

**Ender Wiggins 14H, 17H, 19H, 20H and 35H**

\_\_\_\_\_ elects to participate in the drilling, completing, and equipping of the Ender Wiggins 14  
WA FC 14H well.

\_\_\_\_\_ elects NOT to participate in the drilling, completing, and equipping of the Ender Wiggins  
14 WA FC 14H well.

\_\_\_\_\_ elects to participate in the drilling, completing, and equipping of the Ender Wiggins 14  
TB FC 17H well.

\_\_\_\_\_ elects NOT to participate in the drilling, completing, and equipping of the Ender Wiggins  
14 TB FC 17H well.

\_\_\_\_\_ elects to participate in the drilling, completing, and equipping of the Ender Wiggins 14  
WA FC 19H well.

\_\_\_\_\_ elects NOT to participate in the drilling, completing, and equipping of the Ender Wiggins  
14 WA FC 19H well.

\_\_\_\_\_ elects to participate in the drilling, completing, and equipping of the Ender Wiggins 14  
WA FC 20H well.

\_\_\_\_\_ elects NOT to participate in the drilling, completing, and equipping of the Ender Wiggins  
14 WA FC 20H well.

\_\_\_\_\_ elects to participate in the drilling, completing, and equipping of the Ender Wiggins 14  
TB FC 35H well.

\_\_\_\_\_ elects NOT to participate in the drilling, completing, and equipping of the Ender Wiggins  
14 TB FC 35H well.

**Chevron U.S.A. Inc.**

By: \_\_\_\_\_

Print Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

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

DATE 6/24/2019  
 DRILLING & LOCATION PREPARED BY MATTHEW RUGAARD  
 COMPLETION PREPARED BY JOSH SHANNON  
 FACILITIES PREPARED BY HOLLY MURPHY  
 ARTIFICIAL LIFT PREPARED BY HOLLY MURPHY

Asset Team	PERMIAN	FORMATION: 3RD BONE SPRINGS	WILDCAT	EXPLORATION
Field				
Lease/Facility	ENDER WIGGINS 14 TB FC 35H		DEVELOPMENT	RECOMPLETION
Location	LEA COUNTY		X EXPLOITATION	WORKOVER
Prospect	RED HILLS			

Est Total Depth 20 423 Est Drilling Days 27 Est Completion Days 8.25

LOCATION COST - INTANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
7001270	Location and Access	40,200
7001250	Land Broker Fees and Services	27,000
TOTAL LOCATION COST - INTANGIBLE		67,200

DRILLING COST - TANGIBLE

7012050	Conductor Pipe	28,000
7012050	Surface Casing	40,000
7012050	Intermediate Casing 1	147,000
7012050	Intermediate Casing 2	293,000
7012050	Production Casing	111,000
7012050	Orig 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		753,000

DRILLING COST - INTANGIBLE

7019200	Drilling Rig Mob/Demob	26,000
7019220	Drilling Rig - day work/footage	779,000
7019040	Directional Drilling Services	245,000
7019020	Cement and Cementing Service Surface	25,000
7019020	Cement and Cementing Service Intermediate 1	40,000
7019020	Cement and Cementing Service Intermediate 2	40,000
7019020	Cement and Cementing Service Production	60,000
7019140	Mud Fluids & Services	73,000
7012310	Solids Control equipment	49,000
7012020	Bits	70,000
7019010	Casing Crew and Services	30,000
7016350	Fuel (Rig)	83,000
7019140	Fuel (Mud)	30,000
7001460	Water (non potable)	25,000
7012350	Water (potable)	5,000
7019000	Well Logging Services	-
7019150	Mud Logging-geosteering	23,000
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	23,500
7019350	Well Services - Well/Wellhead Services	10,000
7018150	Rental Tools and Equipment (surface rentals)	108,000
7018150	Rig Equipment and Misc.	13,500
7001110	Telecommunications Services	5,000
7001120	Consulting Services	126,900
7001400	Safety and Environmental	43,200
7018120	Rental Buildings (trailers)	21,600
7019310	Coring (sidewalls & analysis)	-
7011010	7% Contingency & Taxes	203,959
TOTAL DRILLING - INTANGIBLE		\$2,364,659

TOTAL DRILLING COST \$3,117,659

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 6/24/2019

Asset Team PERMIAN  
Field FORMATION: 3RD BONE SPRINGS  
Lease/Facility ENDER WIGGINS 14 TB FC 35H

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 drilg)	-
7019010	Casing Crew and Services	-
7019020	Cement and Cementing Services	-
7019080	Well Testing Services (flow hand & equip)	425,000
7019320	Fracturing Services	3,935,300
7019330	Perforating	175,000
7019360	Wireline Services	15,000
7001460	Water Hauling & Disposal (frac fluids)	460,000
7016180	Freight - Truck (haul pipe; drilg & compl)	15,000
7018150	BOP Rental & Testing	-
7018150	Rental Tools and Equipment (incl drilg; lightplant,hydra-walk)	-
7018150	CT Downhole Rental Equipment (ie. Bit, BHA)	-
7000030	Contract Labor - general	25,000
7001110	Telecommunications Services	70,000
7001400	Safety and Environmental	-
7001120	Consulting Services	60,000
7018150	Zipper Manifold	120,000
7019300	Frack Stack Rentals	45,000
7016190	Freight (Transportation Services)	-
7018150	Equipment Rental ( w/o operator, frac tanks, lightplants)	75,000
7018120	Rental Buildings (trailers)	15,000
7000030	Contract Labor - Pumping (pump-down pumps)	30,000
7011010	8% Contingency & Taxes	234,400
TOTAL COMPLETION - INTANGIBLE		\$3,934,700

TOTAL COMPLETION COST

\$3,949,700

SURFACE EQUIPMENT - TANGIBLE

7012350	Misc. Piping, Fittings & Valves	15,664
7006640	Company Labor & Burden	-
7000030	Contract Labor - General	53,774
7001110	Telecommunication equip (Telemetry)	-
7012410	Line Pipe & Accessories	-
7012270	Miscellaneous Materials (containment system)	28,413
7008060	SCADA	-
7016180	Freight - truck	-
7001190	Contract Engineering	5,153
7012290	Metering and Instrumentation	3,882
7012290	I&E Materials	101,444
7012200	Gas Treating	-
7012200	Dehydration	-
7012010	Compressor	-
7012350	Power	-
7012610	Vapor Recovery Unit	-
7012440	Separator & other pressure vessels	285,995
7012500	Tanks	235,346
7012100	Heater Treater	-
7012640	Flare & Accessories	15,528
7000010	Electrical Labor	9,026
7000010	Mechanical Labor	-
7012480	Rod Pumping unit & Pad	-
7012180	Pumping Unit Engine	-
7012350	Electrical Power (electrical cooperative construction costs)	-
TOTAL SURFACE EQUIPMENT - TANGIBLE		\$754,226

TOTAL SURFACE EQUIPMENT COST

\$ 754,226

ARTIFICIAL LIFT

7006640	Company Labor	6,250
7012180	Gas Lift Equipment	6,000
7012480	Rod Pumping, Sucker Rods & Rod Pump	5,000
7012140	Elect Sub Pumps (ESP)	6,000
7019350	Well Services-Well/Wellhead Services	17,500
7012270	Materials & Supplies-Tangible	6,250
7012550	Surface Wellhead Equipment	3,000
7012390	Pig Launchers/Receivers & Rel Equip	45,000
7011010	8% Contingency & Taxes	15,000
TOTAL ARTIFICIAL LIFT		110,000

TOTAL ARTIFICIAL LIFT COST

\$ 110,000

SUMMARY OF ESTIMATED DRILLING WELL COSTS

TOTAL COST

TOTAL LOCATION COST	\$ 67,200
TOTAL DRILLING COST	\$ 3,117,659
TOTAL COMPLETIONS COST	\$ 3,949,700
TOTAL SURFACE EQUIPMENT COST	\$ 754,226
TOTAL ARTIFICIAL LIFT COST	\$ 110,000
GRAND TOTAL COST	\$7,998,785

Participant's Approval

Name of Company: \_\_\_\_\_

Signature: \_\_\_\_\_

Title: \_\_\_\_\_ Date: \_\_\_\_\_

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

DATE 6/24/2019  
 DRILLING & LOCATION PREPARED BY MATTHEW RUGAARD  
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Asset Team	PERMIAN	FORMATION: 3RD BONE SPRINGS	WILDCAT	EXPLORATION
Field				
Lease/Facility	ENDER WIGGINS 14 TB FC 17H		DEVELOPMENT	RECOMPLETION
Location	LEA COUNTY		X EXPLOITATION	WORKOVER
Prospect	RED HILLS			

Est Total Depth	20 447	Est Drilling Days	27	Est Completion Days	8.25
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LOCATION COST - INTANGIBLE

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TOTAL DRILLING - TANGIBLE		753,000

DRILLING COST - INTANGIBLE

7019200	Drilling Rig Mob/Demob	26,000
7019220	Drilling Rig - day work/footage	729,000
7019040	Directional Drilling Services	245,000
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7019140	Mud Fluids & Services	71,000
7012310	Solids Control equipment	49,000
7012020	Brts	70,000
7019010	Casing Crew and Services	30,000
7016350	Fuel (Rig)	83,000
7019140	Fuel (Mud)	30,000
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TOTAL DRILLING - INTANGIBLE		\$2,364,659

TOTAL DRILLING COST	\$3,117,659
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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

Asset Team PERMIAN  
Field FORMATION: 3RD BONE SPRINGS  
Lease/Facility ENDER WIGGINS 14 TB FC 17H

COMPLETION - INTANGIBLE

GL CODE	DESCRIPTION	ESTIMATED COST
7001270	Location and Access (dress location after rig move, set anchors)	10,000
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7016350	Fuel (from drlg)	-
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7000030	Contract Labor - Pumping (pump-down pumps)	30,000
7011010	8% Contingency & Taxes	234,400
TOTAL COMPLETION - INTANGIBLE		\$3,934,700

TOTAL COMPLETION COST

\$3,949,700

SURFACE EQUIPMENT - TANGIBLE

7012350	Misc. Piping, Fittings & Valves	15,664
7006640	Company Labor & Burden	-
7000030	Contract Labor - General	53,774
7001110	Telecommunication equip (Telemetry)	-
7012410	Line Pipe & Accessories	-
7012270	Miscellaneous Materials (containment system)	28,413
7008060	SCADA	-
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7012200	Gas Treating	-
7012200	Dehydration	-
7012010	Compressor	-
7012350	Power	-
7012610	Vapor Recovery Unit	-
7012440	Separator & other pressure vessels	285,995
7012500	Tanks	235,346
7012100	Heater Treater	-
7012640	Flare & Accessories	15,528
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7000010	Mechanical Labor	-
7012480	Rod Pumping unit & Pad	-
7012180	Pumping Unit Engine	-
7012350	Electrical Power (electrical cooperative construction costs)	-
TOTAL SURFACE EQUIPMENT - TANGIBLE		\$754,226

TOTAL SURFACE EQUIPMENT COST

\$ 754,226

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7012480	Rod Pumping, Sucker Rods & Rod Pump	5,000
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7012550	Surface Wellhead Equipment	3,000
7012390	Pig Launchers/Receivers & Rel Equip	45,000
7011010	8% Contingency & Taxes	15,000
TOTAL ARTIFICIAL LIFT		110,000

TOTAL ARTIFICIAL LIFT COST

\$ 110,000

SUMMARY OF ESTIMATED DRILLING WELL COSTS

TOTAL LOCATION COST	\$ 67,200
TOTAL DRILLING COST	\$ 3,117,659
TOTAL COMPLETIONS COST	\$ 3,949,700
TOTAL SURFACE EQUIPMENT COST	\$ 754,226
TOTAL ARTIFICIAL LIFT COST	\$ 110,000
GRAND TOTAL COST	\$7,998,785

Participant's Approval

Name of Company: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Title: \_\_\_\_\_ Date: \_\_\_\_\_

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

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

**CASE NO. 20870, 20871**

**AFFIDAVIT**

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

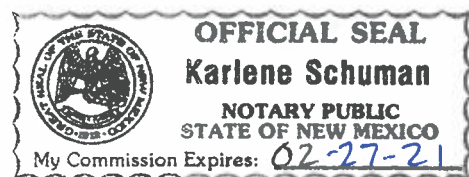
Deana M. Bennett, attorney in fact and authorized representative of Marathon Oil Permian LLC, the Applicant herein, being first duly sworn, upon oath, states that the above-referenced Applications were sent under a notice letter attached hereto and that proof of receipt is attached hereto.

  
\_\_\_\_\_  
Deana M. Bennett

SUBSCRIBED AND SWORN to before me this 12 day of November, 2019 by Deana M. Bennett.

  
\_\_\_\_\_  
Notary Public

My commission expires: 02-27-21





MODRALL SPERLING

L A W Y E R S

October 24, 2019

**VIA CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Deana M. Bennett  
505.848.1834  
dmb@modrall.com

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

**CASE NO. 20869**

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

**CASE NO. 20870**

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

**CASE NO. 20871**

**TO: AFFECTED PARTIES**

This letter is to advise you that Marathon Oil Permian LLC ("Marathon") has filed the above-listed applications.

In Case No. 20869, Marathon seeks an order from the Division pooling all uncommitted mineral interests within a Wolfcamp horizontal spacing unit underlying the E/2 of Section 11 and the NE/4 of Section 14, Township 25 South, Range 34 East, NMPM, Lea County, New Mexico. This spacing unit will be dedicated to the Ender Wiggins 14 WA FC 14H, Ender Wiggins 14 WA FC 19H, Ender Wiggins 14 WA FC 20H 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.

In Case No. 20870, Marathon seeks an order from the Division pooling all uncommitted mineral interests within the Bone Spring formation underlying

Modrall Sperling  
Roehl Harris & Sisk P.A.

500 Fourth Street NW  
Suite 1000  
Albuquerque,  
New Mexico 87102

PO Box 2168  
Albuquerque,  
New Mexico 87103-2168

Tel: 505.848.1800  
www.modrall.com

28

the W/2 E/2 of Section 11 and the W/2 NE/4 of Section 14, Township 25 South, Range 34 East, NMPM, Lea County, New Mexico. This spacing unit will be dedicated to the Ender Wiggins 14 TB FC 35H well, to be horizontally drilled. The producing area for the 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.

In Case No. 20871, Marathon seeks an order from the Division pooling all uncommitted mineral interests within a Bone Spring horizontal spacing unit underlying the E/2 E/2 of Section 11 and the E/2 NE/4 of Section 14, Township 25 South, Range 34 East, NMPM, Lea County, New Mexico. This spacing unit will be dedicated to the Ender Wiggins 14 TB FC 17H well, to be horizontally drilled. The producing area for the 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.

These cases have been set for hearing before a Division Examiner on November 14, 2019, starting at 8:15 a.m. The hearing will be held in Porter Hall in the Oil Conservation Division's Santa Fe Office located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. As a party who may be affected by these applications, we are notifying you of your right to appear at the hearing and participate in the cases, including the right to present evidence either in support of or in opposition to the applications. Failure to appear at the hearing may preclude you from any involvement in the cases at a later date.

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

Sincerely,



Deana M. Bennett

*Attorney for Applicant*



MODRALL SPERLING

L A W Y E R S

October 29, 2019

**VIA CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Deana M. Bennett  
505.848.1834  
dmb@modrall.com

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

**CASE NO. 20869**

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

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**TO: AFFECTED PARTIES**

This letter is to advise you that Marathon Oil Permian LLC ("Marathon") has filed the above-listed applications.

In Case No. 20869, Marathon seeks an order from the Division pooling all uncommitted mineral interests within a Wolfcamp horizontal spacing unit underlying the E/2 of Section 11 and the NE/4 of Section 14, Township 25 South, Range 34 East, NMPM, Lea County, New Mexico. This spacing unit will be dedicated to the Ender Wiggins 14 WA FC 14H, Ender Wiggins 14 WA FC 19H, Ender Wiggins 14 WA FC 20H 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.

In Case No. 20870, Marathon seeks an order from the Division pooling all uncommitted mineral interests within the Bone Spring formation underlying

Modrall Sperling  
Roehl Harris & Sisk P.A.

500 Fourth Street NW  
Suite 1000  
Albuquerque,  
New Mexico 87102

PO Box 2168  
Albuquerque,  
New Mexico 87103-2168

Tel: 505.848.1800  
www.modrall.com

the W/2 E/2 of Section 11 and the W/2 NE/4 of Section 14, Township 25 South, Range 34 East, NMPM, Lea County, New Mexico. This spacing unit will be dedicated to the Ender Wiggins 14 TB FC 35H well, to be horizontally drilled. The producing area for the 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.

In Case No. 20871, Marathon seeks an order from the Division pooling all uncommitted mineral interests within a Bone Spring horizontal spacing unit underlying the E/2 E/2 of Section 11 and the E/2 NE/4 of Section 14, Township 25 South, Range 34 East, NMPM, Lea County, New Mexico. This spacing unit will be dedicated to the Ender Wiggins 14 TB FC 17H well, to be horizontally drilled. The producing area for the 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.

These cases have been set for hearing before a Division Examiner on November 14, 2019, starting at 8:15 a.m. The hearing will be held in Porter Hall in the Oil Conservation Division's Santa Fe Office located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. As a party who may be affected by these applications, we are notifying you of your right to appear at the hearing and participate in the cases, including the right to present evidence either in support of or in opposition to the applications. Failure to appear at the hearing may preclude you from any involvement in the cases at a later date.

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

Sincerely,



Deana M. Bennett

*Attorney for Applicant*



Unit Owner to be Force Pooled					
Name	Address 1	City	State	Zip	Attention
Chevron U.S.A. Inc.	6301 Deauville Blvd.	Midland	TX	79706	
Chevron Midcontinent, L.P.	6301 Deauville Blvd.	Midland	TX	79706	
OXY Y-1	5 Greenway Plaza, Suite 110	Houston	TX	77046	
EOG Resources Inc.	5509 Champions Drive	Midland	TX	79706	
COG Operating LLC	600 West Illinois	Midland	TX	79701	
Crown Oil Partners V, LP	P.O. Box 50820	Midland	TX	79710	
Crump Energy Partners II, LLC	P.O. Box 50820	Midland	TX	79710	
Nadel and Gussman Delaware, LLC	15 East Fifth St., Suite 3300	Tulsa	OK	74103	
Energen Resources Corporation	500 West Texas Ave., Suite 1200	Midland	TX	79701	
Ozark Royalty Co., LLC	111 S. Highland St. Suite 352	Memphis	TN	38111	

Owners that will be released late 2019 or early 2020					
B.H.C.H Mineral, Ltd.	5111 Broadway	San Antonio	TX	78209	
Bates Family Investment Company, LLC	P.O. Box 3627	Tulsa	OK	74101	
John V. McCarthy, II	57200 E Highway 125, Unit 3631	Afton	OK	74331	
Susan Duff	50 Sequoyah	Shawnee	OK	74801	
The Nommensen Investment Company	12411 Broken Bough	Houston	TX	77024	
Texas State Bank, Trustee of the Lucille Chism Bates Testamentary Trust	P.O. Box 3782	San Angelo	TX	76902	

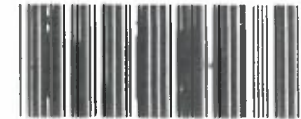
ORRI Owners in Unit					
Name	Address 1	City	State	Zip	Attention
Tha Allar Company	P.O. Box 1567	Graham	TX	76450	
EOG A Resources, Inc.	5509 Champions Drive	Midland	TX	79706	
EOG M Resources, Inc.	5509 Champions Drive	Midland	TX	79706	
Cornerstone Family Trust	P.O. Box 17656	Golden	CO	80402	
Crownrock Minerals, L.P.	P.O. Box 51933	Midland	TX	79710	
Allar Development LLC	P.O. Box 1567	Graham	TX	76450	
Regeneration Energy Corp.	P.O. Box 210	Artesia	NM	88211	

Offset Owners					
Name	Address 1	City	State	Zip	Attention
No offset owners that are not already listed as a pooled owner above					

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

PS Form 3877

Type of Mailing: CERTIFIED MAIL  
10/24/2019



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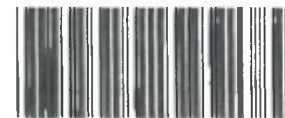
Line	USPS Article Number	Name, Street, City, State, Zip	Postage	Service Fee	RR Fee	Rest.Del.Fee	Reference Contents
1	9314 8699 0430 0064 8763 31	Chevron U.S.A. Inc. 6301 Deauville Blvd. Midland TX 79706	\$1.30	\$3.50	\$1.60	\$0.00	81363-0151 EW Notice
2	9314 8699 0430 0064 8763 48	Chevron Midcontinent, L.P. 6301 Deauville Blvd. Midland TX 79706	\$1.30	\$3.50	\$1.60	\$0.00	81363-0151 EW Notice
3	9314 8699 0430 0064 8763 55	OXY Y-1 5 Greenway Plaza, Suite 110 Houston TX 77046	\$1.30	\$3.50	\$1.60	\$0.00	81363-0151 EW Notice
4	9314 8699 0430 0064 8763 62	EOG Resources Inc. 5509 Champions Drive Midland TX 79706	\$1.30	\$3.50	\$1.60	\$0.00	81363-0151 EW Notice
5	9314 8699 0430 0064 8763 79	COG Operating LLC 600 West Illinois Midland TX 79701	\$1.30	\$3.50	\$1.60	\$0.00	81363-0151 EW Notice
6	9314 8699 0430 0064 8763 86	Crown Oil Partners V, LP P.O. Box 50820 Midland TX 79710	\$1.30	\$3.50	\$1.60	\$0.00	81363-0151 EW Notice
7	9314 8699 0430 0064 8763 93	Crump Energy Partners II, LLC P.O. Box 50820 Midland TX 79710	\$1.30	\$3.50	\$1.60	\$0.00	81363-0151 EW Notice
8	9314 8699 0430 0064 8764 09	Nadel and Gussman Delaware, LLC 15 East Fifth St., Suite 3300 Tulsa OK 74103	\$1.30	\$3.50	\$1.60	\$0.00	81363-0151 EW Notice
9	9314 8699 0430 0064 8764 16	Energen Resources Corporation 500 West Texas Ave., Suite 1200 Midland TX 79701	\$1.30	\$3.50	\$1.60	\$0.00	81363-0151 EW Notice
10	9314 8699 0430 0064 8764 23	Ozark Royalty Co., LLC 111 S. Highland St. Suite 352 Memphis TN 38111	\$1.30	\$3.50	\$1.60	\$0.00	81363-0151 EW Notice
11	9314 8699 0430 0064 8764 30	B.H.C.H Mineral, Ltd. 5111 Broadway San Antonio TX 78209	\$1.30	\$3.50	\$1.60	\$0.00	81363-0151 EW Notice
12	9314 8699 0430 0064 8764 47	Bates Family Investment Company, LLC P.O. Box 3627 Tulsa OK 74101	\$1.30	\$3.50	\$1.60	\$0.00	81363-0151 EW Notice
13	9314 8699 0430 0064 8764 54	John V. McCarthy, II 57200 E Highway 125, Unit 3631 Afton OK 74331	\$1.30	\$3.50	\$1.60	\$0.00	81363-0151 EW Notice
14	9314 8699 0430 0064 8764 61	Susan Duff 50 Sequoyah Shawnee OK 74801	\$1.30	\$3.50	\$1.60	\$0.00	81363-0151 EW Notice
15	9314 8699 0430 0064 8764 78	The Nommensen Investment Company 12411 Broken Bough Houston TX 77024	\$1.30	\$3.50	\$1.60	\$0.00	81363-0151 EW Notice

83

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

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Type of Mailing: CERTIFIED MAIL  
 10/24/2019



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Line	USPS Article Number	Name, Street, City, State, Zip	Postage	Service Fee	RR Fee	Rest.Del.Fee	Reference Contents
16	9314 8699 0430 0064 8764 85	Texas State Bank, Trustee of the Lucille Chism Bates Testamentary Trust P.O. Box 3782 San Angelo TX 76902	\$1.30	\$3.50	\$1.60	\$0.00	81363-0151 EW Notice
17	9314 8699 0430 0064 8764 92	Tha Allar Company P.O. Box 1567 Graham TX 76450	\$1.30	\$3.50	\$1.60	\$0.00	81363-0151 EW Notice
18	9314 8699 0430 0064 8765 08	EOG A Resources, Inc. 5509 Champions Drive Midland TX 79706	\$1.30	\$3.50	\$1.60	\$0.00	81363-0151 EW Notice
19	9314 8699 0430 0064 8765 15	EOG M Resources, Inc. 5509 Champions Drive Midland TX 79706	\$1.30	\$3.50	\$1.60	\$0.00	81363-0151 EW Notice
20	9314 8699 0430 0064 8765 22	Cornerstone Family Trust P.O. Box 17656 Golden CO 80402	\$1.30	\$3.50	\$1.60	\$0.00	81363-0151 EW Notice
21	9314 8699 0430 0064 8765 39	Crownrock Minerals, L.P. P.O. Box 51933 Midland TX 79710	\$1.30	\$3.50	\$1.60	\$0.00	81363-0151 EW Notice
22	9314 8699 0430 0064 8765 46	Allar Development LLC P.O. Box 1567 Graham TX 76450	\$1.30	\$3.50	\$1.60	\$0.00	81363-0151 EW Notice
23	9314 8699 0430 0064 8765 53	Regeneration Energy Corp. P.O. Box 210 Artesia NM 88211	\$1.30	\$3.50	\$1.60	\$0.00	81363-0151 EW Notice
Totals:			\$29.90	\$80.50	\$36.80	\$0.00	
Grand Total:						\$147.20	

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Name of receiving employee

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# 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).

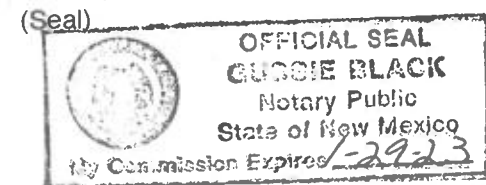
Beginning with the issue dated  
November 01, 2019  
and ending with the issue dated  
November 01, 2019.

  
Publisher

Sworn and subscribed to before me this  
1st day of November 2019.

  
Business Manager

My commission expires  
January 29, 2023



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

CASE NO. 20869: Notice to all affected parties, as well as the heirs and devisees of Bureau of Land Management, Chevron USA Inc., Chevron Midcontinent LP, OXY Y-1, EOG Resources Inc., COG Operating LLC, Crown Oil Partners V LP, Crump Energy Partners II LLC, Nadel and Gussman Delaware LLC, Energen Resources Corporation, Ozark Royalty CO LLC, B.H.C.H Mineral LTD, Bates Family Investment Company LLC, John V. McCarthy II, Susan Duff, The Nommensen Investment Company, Texas State Bank Trustee of the Lucille Chism Bates Testamentary Trust, The Allar Company, EOG A Resources Inc., EOG M Resources Inc., Cornerstone Family Trust, Crownrock Minerals LP, Allar Development LLC, Regeneration Energy Corp., of Marathon Oil Permian LLC's application for 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 November 14, 2019, to consider this application. Applicant seeks an order from the Division pooling all uncommitted mineral interests within a Wolfcamp horizontal spacing unit underlying the E/2 of Section 11 and the NE/4 of Section 14, Township 25 South, Range 34 East, NMPM, Lea County, New Mexico. This spacing unit will be dedicated to the **Ender Wiggins 14 WA FC 14H, Ender Wiggins 14 WA FC 19H, Ender Wiggins 14 WA FC 20H** wells, to be horizontally drilled. The producing area for these wells will be orthodox. Also to be considered will be the cost of drilling and completing said wells, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Marathon as operator of the wells, and a 200% charge for risk involved in drilling said wells, and allowing a one year period between when the wells are drilled and when the first well is completed. Said area is located approximately 14 miles west of Jal, New Mexico.

CASE NO. 20870: Notice to all affected parties, as well as the heirs and devisees of Bureau of Land Management, Chevron USA Inc., Chevron Midcontinent LP, OXY Y-1, EOG Resources Inc., COG Operating LLC, Crown Oil Partners V LP, Crump Energy Partners II LLC, Nadel and Gussman Delaware LLC, Energen Resources Corporation, Ozark Royalty CO LLC, B.H.C.H Mineral LTD, Bates Family Investment Company LLC, John V. McCarthy II, Susan Duff, The Nommensen Investment Company, Texas State Bank Trustee of the Lucille Chism Bates Testamentary Trust, The Allar Company, EOG A Resources Inc., EOG M Resources Inc., Cornerstone Family Trust, Crownrock Minerals LP, Allar Development LLC, Regeneration Energy Corp., of Marathon Oil Permian LLC's application for 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 November 14, 2019, to consider this application. Applicant seeks an order from the Division pooling all uncommitted mineral interests within the Bone Spring formation underlying the W/2 E/2 of Section 11 and the W/2 NE/4 of Section 14, Township 25 South, Range 34 East, NMPM, Lea County, New Mexico. This spacing unit will be dedicated to the **Ender Wiggins 14 TB FC 35H** well, to be horizontally drilled. The producing area for the well will be orthodox. Also to be considered will be the cost of drilling and completing said well, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Marathon as operator of the well, and a 200% charge for risk involved in drilling said well, and allowing a one year period between when the well is drilled and when the well is completed. Said area is located approximately 14 miles west of Jal, New Mexico.

CASE NO. 20871: Notice to all affected parties, as well as the heirs and devisees of Bureau of Land Management, Chevron USA Inc., Chevron Midcontinent LP, OXY Y-1, EOG Resources Inc., COG Operating LLC, Crown Oil Partners V LP, Crump Energy Partners II LLC, Nadel and Gussman Delaware LLC, Energen Resources Corporation, Ozark Royalty CO LLC, B.H.C.H Mineral LTD, Bates Family Investment Company LLC, John V. McCarthy II, Susan Duff, The Nommensen Investment Company, Texas State Bank Trustee of the Lucille Chism Bates Testamentary Trust, The Allar Company, EOG A Resources Inc., EOG M Resources Inc., Cornerstone Family Trust, Crownrock Minerals LP, Allar Development LLC, Regeneration Energy Corp., of Marathon Oil Permian LLC's application for 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 November 14, 2019, to consider this application. Applicant seeks an order from the Division pooling all uncommitted mineral interests within a Bone Spring horizontal spacing unit underlying the E/2 E/2 of Section 11 and the E/2 NE/4 of Section 14, Township 25 South, Range 34 East, NMPM, Lea County, New Mexico. This spacing unit will be dedicated to the **Ender Wiggins 14 TB FC 17H** well, to be horizontally drilled. The producing area for the well will be orthodox. Also to be considered will be the cost of drilling and completing said well, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Marathon as operator of the well, and a 200% charge for risk involved in drilling said well, and allowing a one year period between when the well is drilled and when the well is completed. Said area is located approximately 14 miles west of Jal, New Mexico.

#34822

MODRALL, OF ATTORNEYS, P.C., HARRIS &  
P. O. BOX 2168  
ALBUQUERQUE, NM 87103-2168

# Your package has been delivered

Tracking # 776846021896

Ship date:

**Tue, 10/29/2019**

**Karlene Schuman**

**Albuquerque, NM 87102**

**US**

Delivery date:

**Wed, 10/30/2019 9:52  
am**

**Bureau of Land Management**

**310 Dinosaur Trail**

**SANTA FE, NM 87508**

**US**



## Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	<u><a href="#">776846021896</a></u>
Status:	Delivered: 10/30/2019 09:52 AM Signed for By: R.DURAN
Reference:	81363.0205 DMB
Signed for by:	R.DURAN
Delivery location:	SANTA FE, NM
Delivered to:	Shipping/Receiving
Service type:	FedEx Standard Overnight®
Packaging type:	FedEx® Envelope
Number of pieces:	1
Weight:	0.50 lb.
Special handling/Services:	Deliver Weekday
Standard transit:	10/30/2019 by 4:30 pm

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

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

**CASE NO. 20870 & 20871  
(Ender Wiggins Bone Spring)**

**AFFIDAVIT**

STATE OF TEXAS                     )  
  ) ss.  
COUNTY OF MIDLAND            )

Thomas Lockwood, being duly sworn, deposes and states:

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

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

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

4. **Exhibit 8** is a locator map showing the approximate location of the proposed wells in relation to the Capitan Reef.

5. **Exhibit 9** is a wellbore schematic showing the proposed Bone Spring wells within the unit, as well as the proposed Wolfcamp wells.

6. The exhibits behind **Tab 10** are the geology study I prepared for the Ender Wiggins 14 TB FC 35H and the Ender Wiggins 14 TB FC 17H, which are Bone Spring wells.



7. **Exhibit 10-A** is structure map of the base of the Top of the Wolfcamp. The proposed project area is identified by a black-dashed box, and the proposed wells are identified by blue lines. The contour interval used this exhibit is 25 feet. This exhibit shows that the top of the Wolfcamp dips toward the east.

8. **Exhibit 10-B** identifies four wells in the vicinity of the proposed Third Bone Spring wells, shown by a line of cross-section running from A to A'.

9. **Exhibit 10-C** is a stratigraphic cross section hung on the top of the Wolfcamp. The well logs on the cross-section give a representative sample of the Third Bone Spring sand formation in the area. The target zone is identified by the words "Producing Zone" and the shaded area across the cross section, along with a red arrow.

10. In my opinion, the Third Bone Spring Sand thins slightly to the north.

11. **Exhibit 10-D** is a Gross Interval Isochore of the Third Bone Spring Sand. The Third Bone Spring Sand thins slightly to the north.

12. I conclude from the maps that:

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

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

14. The preferred well orientation in this area is North/South. This is because the  $S_{Hmax}$  is at approximately 70-80 degrees in southern-Lea County.



15. Exhibits 8-11 were prepared by my or under my supervision or compiled from company business records.

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

Thomas Lockwood

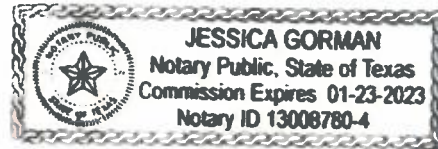
Thomas Lockwood

SUBSCRIBED AND SWORN to before me this 12<sup>th</sup> day of November, 2019 by Thomas Lockwood, on behalf of Marathon Oil Permian LLC.

Jessica Gorman

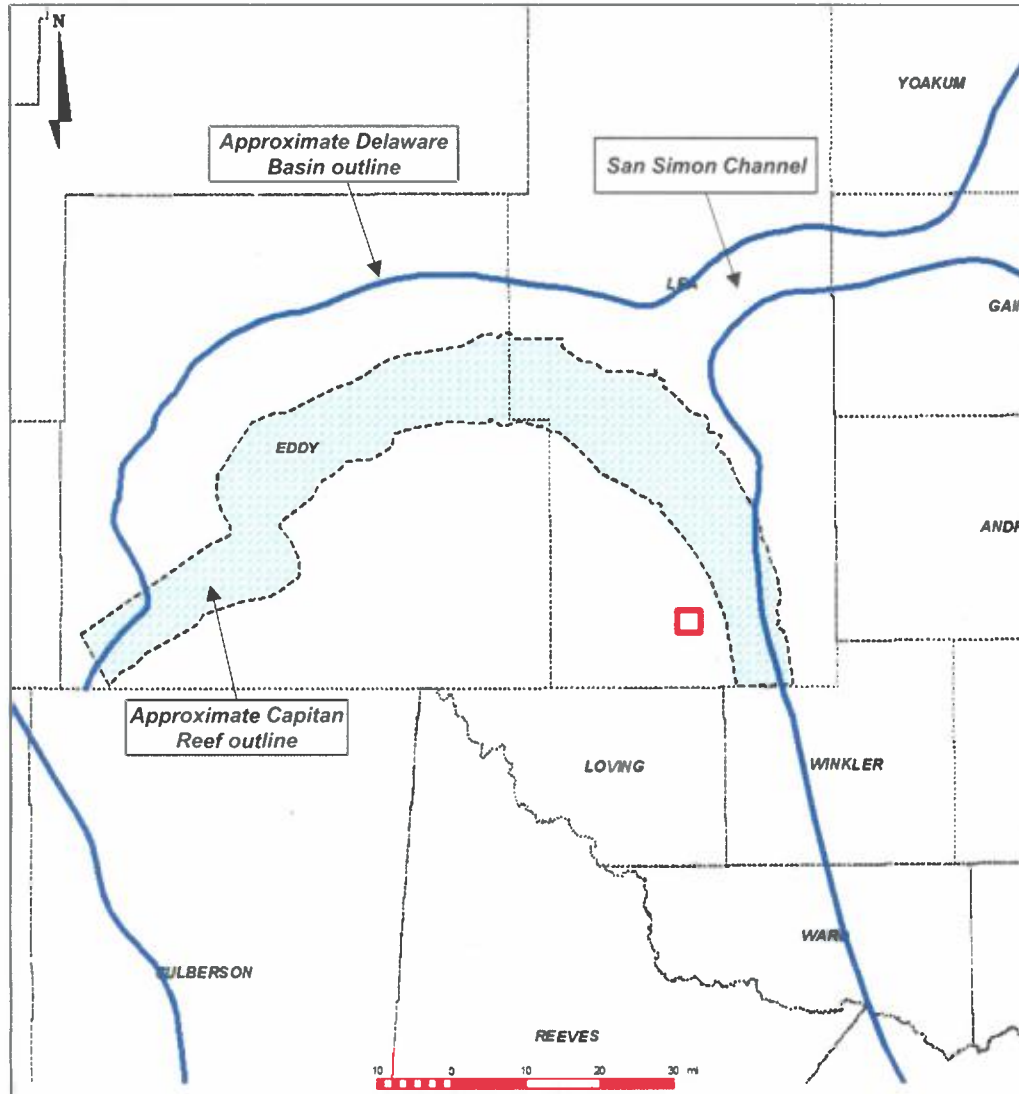
Notary Public

My commission expires: 1/23/2023



# Ender Wiggins 14 Fed Com Unit

## Locator Map

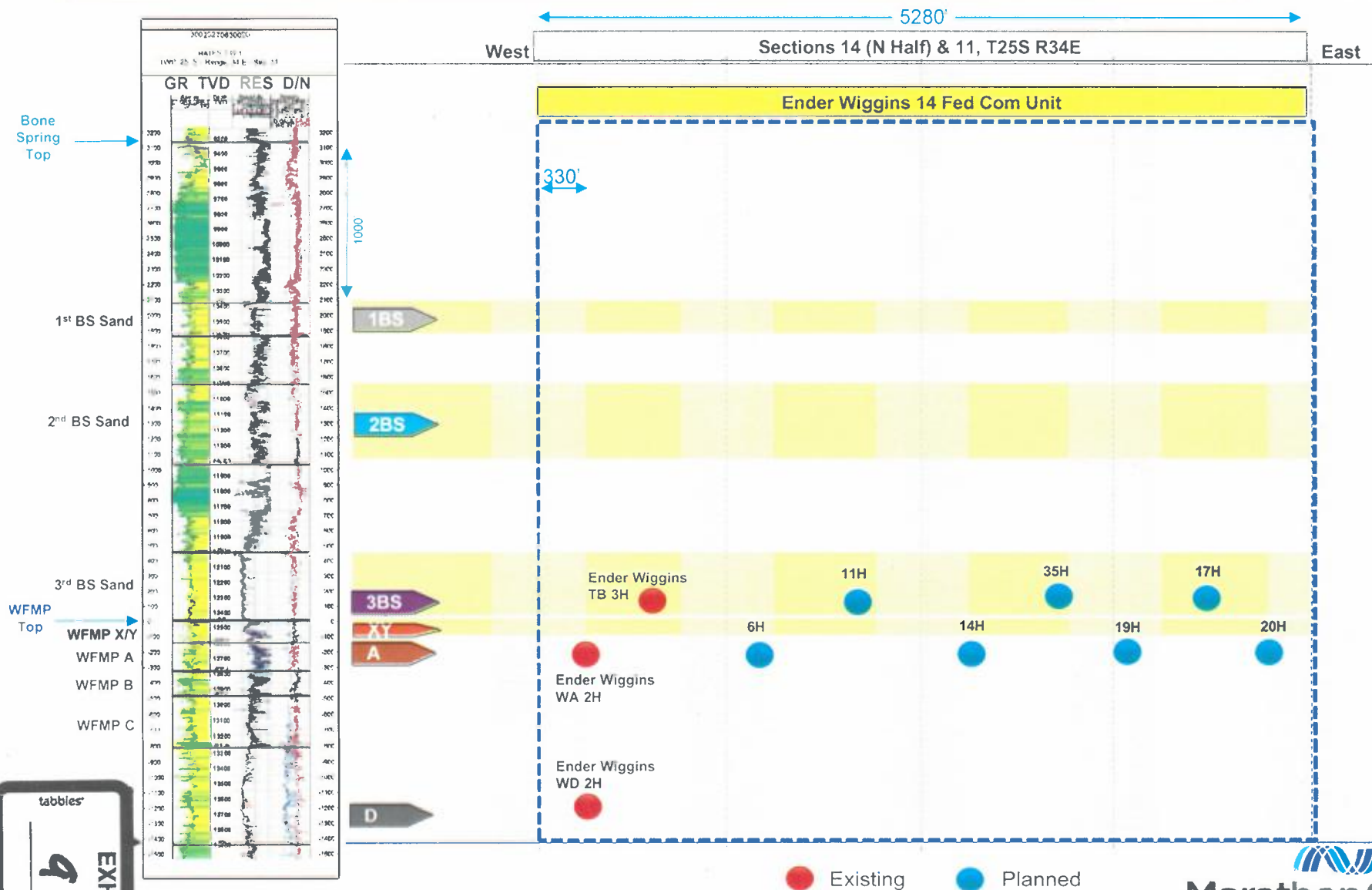


- Approximate location of proposed Ender Wiggins 14 Fed Com well locations shown with red box
- Located basinward of the Capitan Reef
- Southern Lea county



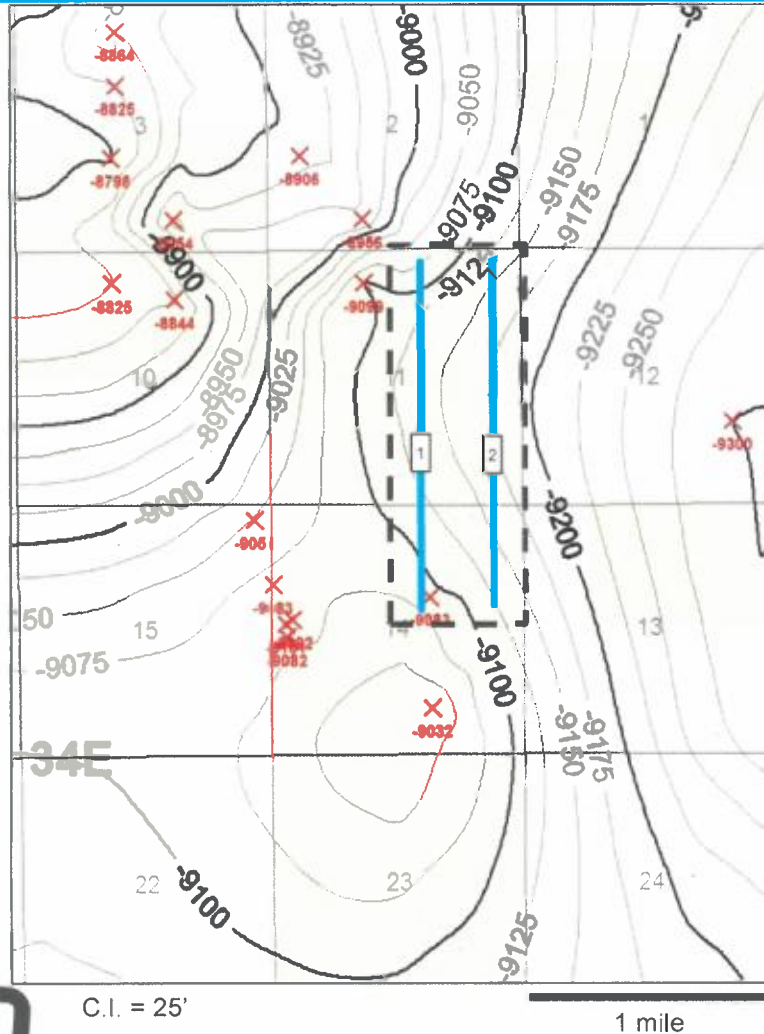
# Ender Wiggins 14 Fed Com Unit

## Wellbore Schematic



# Ender Wiggins 14 Fed Com Unit

Structure Map – Top of Wolfcamp (TVDSS)



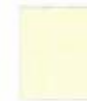
## Map Legend

——— TBSG

MRO – Horizontal  
Location

1 Ender Wiggins 14 TB FC 35H

2 Ender Wiggins 14 TB FC 17H



MRO Acreage



Project Area

*The top of the Wolfcamp dips  
towards the east.*



# Ender Wiggins 14 Fed Com Unit

Reference Map for Cross Section –Bone Spring Wells



## Map Legend


 TBSG

MRO – Horizontal  
Location

 Ender Wiggins 14 TB FC 35H

 Ender Wiggins 14 TB FC 17H

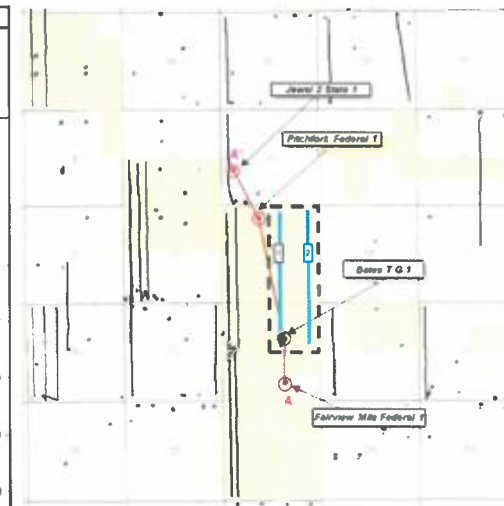
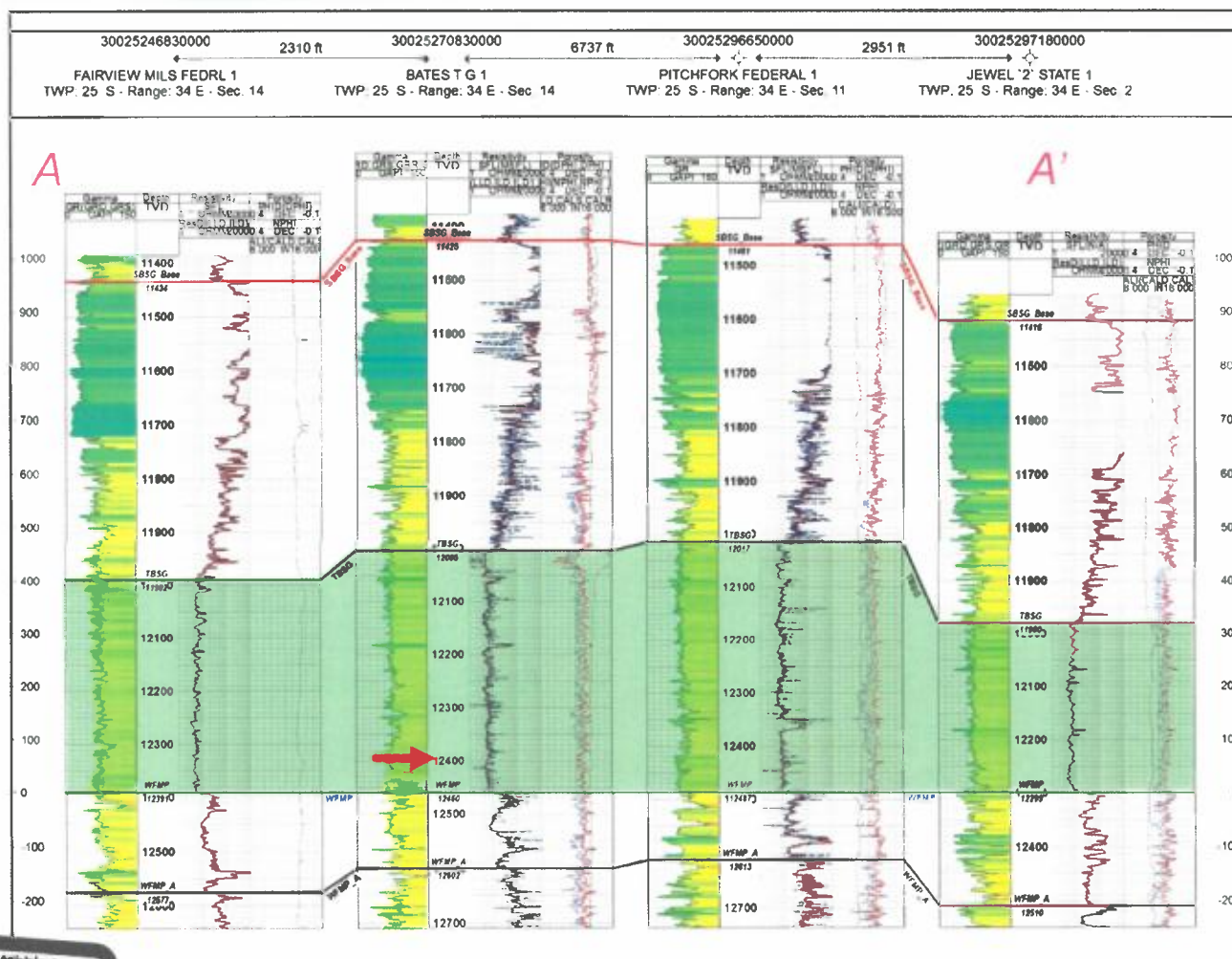
  
MRO Acreage

  
Project Area

45  
tabbles  
EXHIBIT  
10-B



### Stratigraphic Cross Section for Bone Spring Wells (Top of Wolfcamp Datum)



**Producing Zone –  
Third Bone Spring Sand**

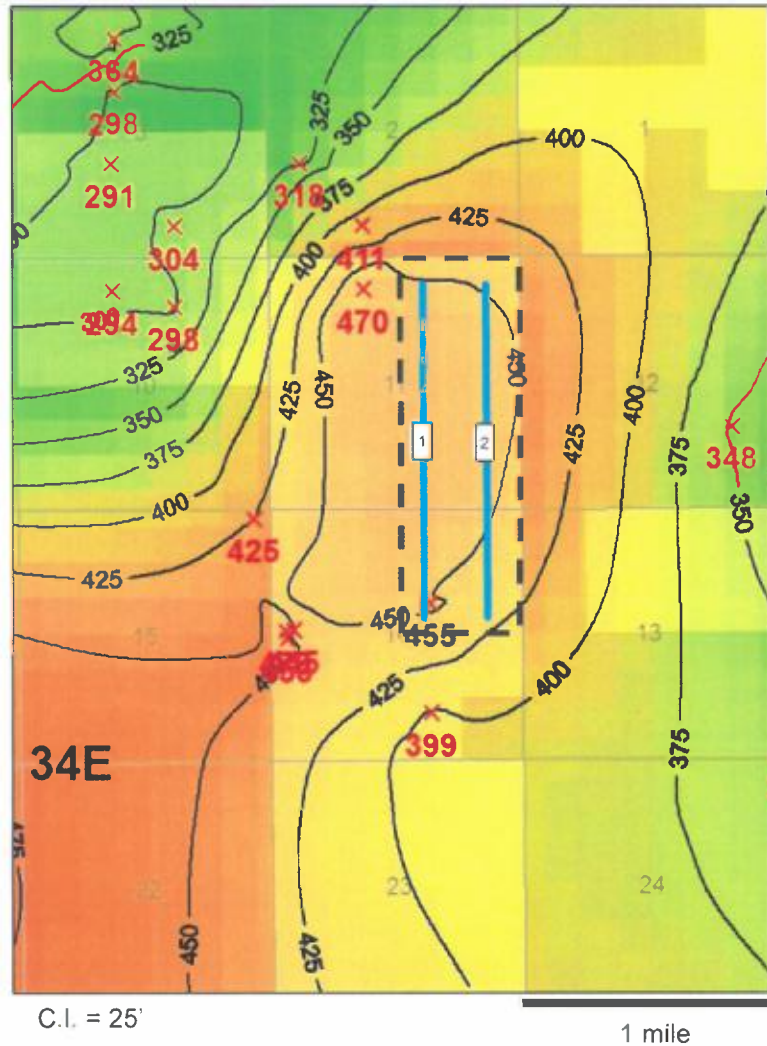
*The Third Bone Spring sand  
thins slightly to the north.*

46

**EXHIBIT**  
**10.C**

# Ender Wiggins 14 Fed Com Unit

Gross Interval Isochore – Third Bone Spring Sand



## Map Legend

 TBSG

MRO – Horizontal  
Location

1 Ender Wiggins 14 TB FC 35H

2 Ender Wiggins 14 TB FC 17H

 MRO Acreage

 Project Area

*The Third Bone Spring sand  
thins slightly to the north.*

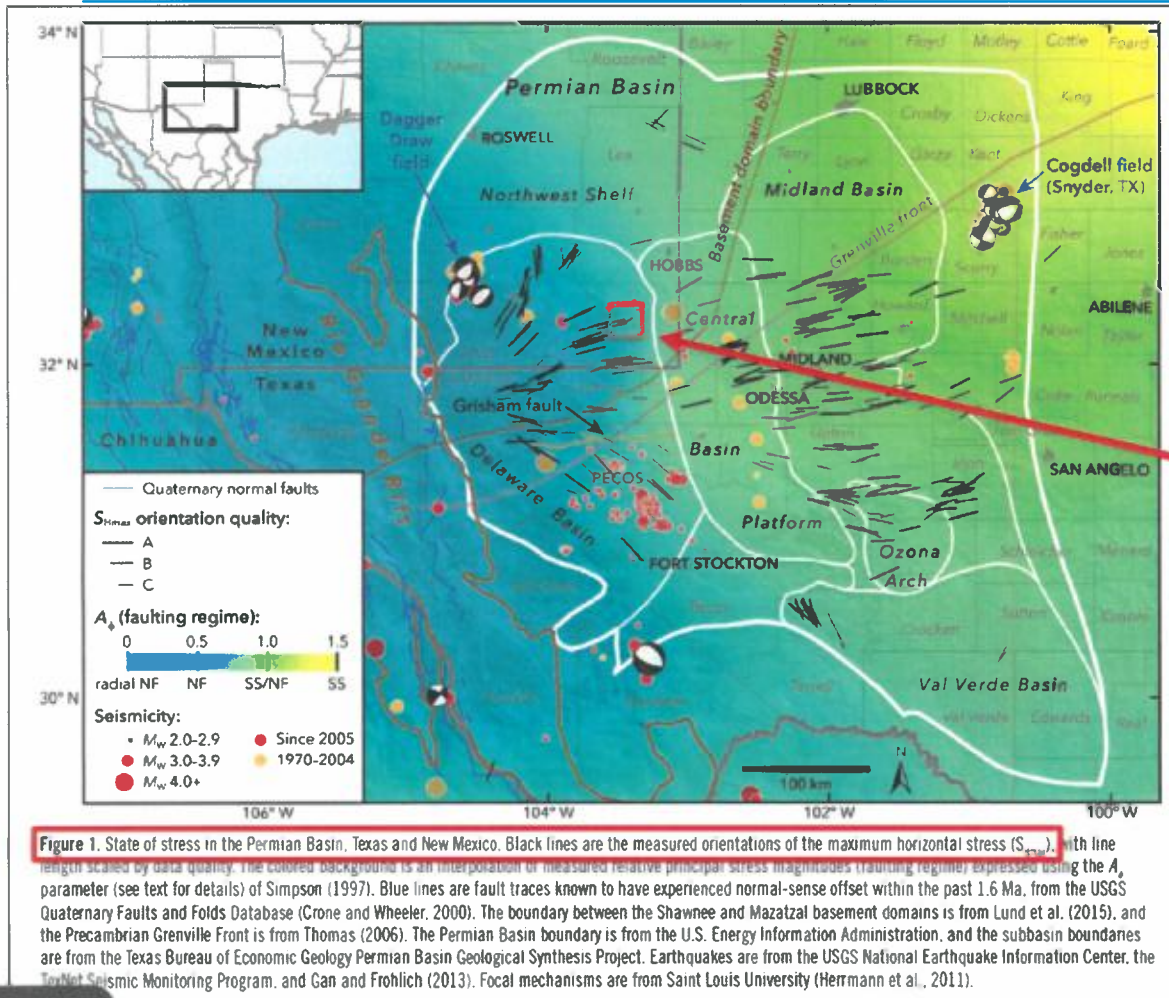
47





# Ender Wiggins 14 Fed Com Unit

## Preferred Well Orientation - SHmax



**Preferred well orientation is N/S.**

As outlined in Snee & Zoback (2018),  $S_{Hmax}$  is at approximately 70-80 degrees in southern Lea county. It is preferable to have N/S oriented wellbores at the Ender Wiggins unit (outlined with red box) since hydraulic fractures will prefer to propagate outwards at 70-80 degrees.

Source:

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