

CASE NOS. 22727 & 22728

**APPLICATIONS OF MEWBOURNE OIL COMPANY FOR COMPULSORY POOLING
EDDY COUNTY, NEW MEXICO**

MEWBOURNE OIL COMPANY'S EXHIBIT LIST

1. Applications and Proposed Notices
2. Landman's Affidavit
3. Geologist's Affidavit
4. Affidavit of Mailing
5. Publication Affidavit
6. Pooling Checklists

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION**APPLICATION OF MEWBOURNE OIL COMPANY
FOR COMPULSORY POOLING AND APPROVAL
OF OVERLAPPING WELL UNITS, EDDY COUNTY,
NEW MEXICO.**Case No. 22727**APPLICATION**

Mewbourne Oil Company applies for an order pooling all uncommitted mineral interest owners in the Bone Spring formation underlying a 472.51 acre horizontal well unit comprised of Lot 1, NE/4NW/4, and N/2NE/4 (the N/2N/2) of Section 31, the N/2N/2 of Section 32, and the N/2N/2 of Section 33, Township 18 South, Range 29 East, N.M.P.M., Eddy County, New Mexico, and approving overlapping well units, and in support thereof, states:

1. Applicant is an interest owner in the N/2N/2 of Section 31, the N/2N/2 of Section 32, and the N/2N/2 of Section 33, and has the right to drill a well or wells thereon.
2. Applicant proposes to drill its Pavo Macho 31/33 B3DA Fed. Com. Well No. 2H to a depth sufficient to test the Bone Spring formation, and to dedicate the N/2N/2 of Section 31, the N/2N/2 of Section 32, and the N/2N/2 of Section 33 to the well. The well has a first take point in Lot 1 of Section 31 and a last take point in the NE/4NE/4 of Section 33.
3. Applicant has in good faith sought to obtain the voluntary joinder of all other mineral interest owners in the Bone Spring formation in the N/2N/2 of Section 31, the N/2N/2 of Section 32, and the N/2N/2 of Section 33 for the purposes set forth herein.
4. Although applicant attempted to obtain voluntary agreements from all uncommitted mineral interest owners to participate in the drilling of the well or to otherwise commit their interests to the well, certain interest owners have failed or refused to join in dedicating their interests. Therefore, applicant seeks an order pooling all uncommitted mineral

EXHIBIT

interest owners in the Bone Spring formation underlying the N/2N/2 of Section 31, the N/2N/2 of Section 32, and the N/2N/2 of Section 33, pursuant to NMSA 1978 §70-2-17.

5. The proposed well unit overlaps the following existing, producing well unit:

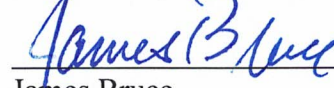
<u>Well Name</u>	<u>Well Unit</u>	<u>Operator</u>
Pavo Macho 31/32 B2DA Fed. Com. Well No. 1H	N/2N/2 §31 & N/2N/2 §32	Applicant

6. The pooling of all uncommitted mineral interest owners in the Bone Spring underlying the N/2N/2 of Section 31, the N/2N/2 of Section 32, and the N/2N/2 of Section 33, and approval of the overlapping well units, will prevent the drilling of unnecessary wells, prevent waste, and protect correlative rights.

WHEREFORE, applicant requests that, after notice and hearing, the Division enter its order:

- A. Pooling all uncommitted mineral interest owners in the Bone Spring formation underlying the N/2N/2 of Section 31, the N/2N/2 of Section 32, and the N/2N/2 of Section 33, and approving the overlapping well units;
- B. Designating applicant as operator of the well;
- C. Considering the cost of drilling, completing, and equipping the well, and allocating the cost among the well's working interest owners;
- D. Approving actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure; and
- E. Setting a 200% charge for the risk involved in drilling, completing, and equipping the well in the event a working interest owner elects not to participate in the well.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "James Bruce", is written over a horizontal line.

James Bruce
Post Office Box 1056
Santa Fe, New Mexico 87504
(505) 982-2043

Attorney for Mewbourne Oil Company

Application of Mewbourne Oil Company for compulsory pooling and approval of overlapping well units, Eddy County, New Mexico. Mewbourne Oil Company seeks an order pooling all uncommitted mineral interest owners in the Bone Spring formation underlying a 472.51-acre horizontal spacing unit comprised of Lot 1, NE/4NW/4, and N/2NE/4 (the N/2N/2) of Section 31, the N/2N/2 of Section 32, and the N/2N/2 of Section 33, Township 18 South, Range 29 East, NMPM. The unit will be dedicated to the Pavo Macho 31/33 B3DA Fed. Com. Well No. 2H, with a first take point in Lot 1 of Section 31 and a last take point in the NE/4NE/4 of Section 33. Also to be considered will be the cost of drilling, completing, and equipping the well and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a 200% charge for the risk involved in drilling, completing, and equipping the well. Applicant also requests approval of the proposed well unit overlapping the well unit for the following well:

<u>Well Name</u>	<u>Well Unit</u>	<u>Operator</u>
Pavo Macho 31/32 B2DA Fed. Com. Well No. 1H	N/2N/2 §31 & N/2N/2 §32	Applicant

The unit is located approximately 11 miles southwest of Loco Hills, New Mexico.

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION**APPLICATION OF MEWBOURNE OIL COMPANY
FOR COMPULSORY POOLING AND APPROVAL
OF OVERLAPPING WELL UNITS, EDDY COUNTY,
NEW MEXICO.**Case No. 22728**APPLICATION**

Mewbourne Oil Company applies for an order pooling all uncommitted mineral interest owners in the Bone Spring formation underlying a 472.66 acre horizontal well unit comprised of Lot 2, SE/4NW/4, and S/2NE/4 (the S/2N/2) of Section 31, the S/2N/2 of Section 32, and the S/2N/2 of Section 33, Township 18 South, Range 29 East, N.M.P.M., Eddy County, New Mexico, and approving overlapping well units, and in support thereof, states:

1. Applicant is an interest owner in the S/2N/2 of Section 31, the S/2N/2 of Section 32, and the S/2N/2 of Section 33, and has the right to drill a well or wells thereon.
2. Applicant proposes to drill its Pavo Macho 31/33 B3EH Fed. Com. Well No. 2H to a depth sufficient to test the Bone Spring formation, and to dedicate the S/2N/2 of Section 31, the S/2N/2 of Section 32, and the S/2N/2 of Section 33 to the well. The well has a first take point in Lot 2 of Section 31 and a last take point in the SE/4NE/4 of Section 33.
3. Applicant has in good faith sought to obtain the voluntary joinder of all other mineral interest owners in the Bone Spring formation in the S/2N/2 of Section 31, the S/2N/2 of Section 32, and the S/2N/2 of Section 33 for the purposes set forth herein.
4. Although applicant attempted to obtain voluntary agreements from all uncommitted mineral interest owners to participate in the drilling of the well or to otherwise commit their interests to the well, certain interest owners have failed or refused to join in dedicating their interests. Therefore, applicant seeks an order pooling all uncommitted mineral

interest owners in the Bone Spring formation underlying the S/2N/2 of Section 31, the S/2N/2 of Section 32, and the S/2N/2 of Section 33, pursuant to NMSA 1978 §70-2-17.

5. The proposed well unit overlaps the following existing, producing well unit:

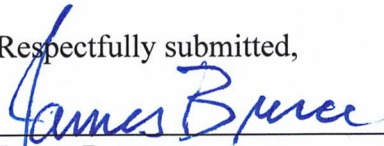
<u>Well Name</u>	<u>Well Unit</u>	<u>Operator</u>
Pavo Macho 31/32 B2EH Fed. Com. Well No. 1H	S/2N/2 §31 & S/2N/2 §32	Applicant

6. The pooling of all uncommitted mineral interest owners in the Bone Spring underlying the S/2N/2 of Section 31, the S/2N/2 of Section 32, and the S/2N/2 of Section 33, and approval of the overlapping well units, will prevent the drilling of unnecessary wells, prevent waste, and protect correlative rights.

WHEREFORE, applicant requests that, after notice and hearing, the Division enter its order:

- A. Pooling all uncommitted mineral interest owners in the Bone Spring formation underlying the S/2N/2 of Section 31, the S/2N/2 of Section 32, and the S/2N/2 of Section 33, and approving the overlapping well units;
- B. Designating applicant as operator of the well;
- C. Considering the cost of drilling, completing, and equipping the well, and allocating the cost among the well's working interest owners;
- D. Approving actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure; and
- E. Setting a 200% charge for the risk involved in drilling, completing, and equipping the well in the event a working interest owner elects not to participate in the well.

Respectfully submitted,



James Bruce
Post Office Box 1056
Santa Fe, New Mexico 87504
(505) 982-2043

Attorney for Mewbourne Oil Company

Application of Mewbourne Oil Company for compulsory pooling and approval of overlapping well units, Eddy County, New Mexico. Mewbourne Oil Company seeks an order pooling all uncommitted mineral interest owners in the Bone Spring formation underlying a 472.66-acre horizontal spacing unit comprised of Lot 2, SE/4NW/4, and S/2NE/4 (the S/2N/2) of Section 31, the S/2N/2 of Section 32, and the S/2N/2 of Section 33, Township 18 South, Range 29 East, NMPM. The unit will be dedicated to the Pavo Macho 31/33 B3EH Fed. Com. Well No. 2H, with a first take point in Lot 2 of Section 31 and a last take point in the SE/4NE/4 of Section 33. Also to be considered will be the cost of drilling, completing, and equipping the well and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a 200% charge for the risk involved in drilling, completing, and equipping the well. Applicant also requests approval of the proposed well unit overlapping the well unit for the following well:

<u>Well Name</u>	<u>Well Unit</u>	<u>Operator</u>
Pavo Macho 31/32 B2EH Fed. Com. Well No. 1H	S/2N/2 §31 & S/2N/2 §32	Applicant

The unit is located approximately 11 miles southwest of Loco Hills, New Mexico.

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

**APPLICATIONS OF MEWBOURNE OIL COMPANY
FOR COMPULSORY POOLING, EDDY COUNTY,
NEW MEXICO.**

Case Nos. 22727 & 22728

SELF-AFFIRMED STATEMENT OF TYLER JOLLY

COUNTY OF MIDLAND)
) ss.
STATE OF TEXAS)

Tyler Jolly deposes and states:

1. I am a landman for Mewbourne Oil Company ("Mewbourne"), and have personal knowledge of the matters stated herein. I have been qualified by the Division as an expert petroleum landman.

2. Pursuant to Division Rules, the following information is submitted in support of the compulsory pooling application:

(a) The purpose of this application is to force pool working interest owners into the horizontal spacing units described below, and in wells to be drilled in the unit.

(b) No opposition is expected because the interest owners being pooled have been contacted since March 2022 regarding the proposed wells, but have simply failed or refused to voluntarily commit their interests to the well.

(c) Plats outlining the units being pooled are submitted as Attachments A-1 and A-2. Mewbourne seeks orders pooling of all mineral interests in the Bone Spring formation in the following well units:

(i) a 472.51-acre horizontal spacing unit comprised of Lot 1, NE/4NW/4, and N/2NE/4 (the N/2N/2) of Section 31, the N/2N/2 of Section 32, and the N/2N/2 of Section 33, Township 18 South, Range 29 East, NMPM. The unit will be dedicated to the Pavo Macho 31/33 B3DA Fed. Com. Well No. 2H. Applicant also requests approval of the proposed well unit overlapping the well unit for the following well:

<u>Well Name</u>	<u>Well Unit</u>	<u>Operator</u>
Pavo Macho 31/32 B2DA Fed. Com. Well No. 1H	N/2N/2 §31 & N/2N/2 §32	Applicant

EXHIBIT

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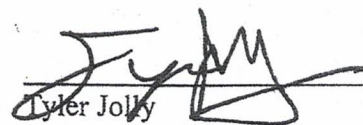
(ii) a 472.66-acre horizontal spacing unit comprised of Lot 2, SE/4NW/4, and S/2NE/4 (the S/2N/2) of Section 31, the S/2N/2 of Section 32, and the S/2N/2 of Section 33, Township 18 South, Range 29 East, NMPM. The unit will be dedicated to the Pavo Macho 31/33 B3EH Fed. Com. Well No. 2H. Applicant also requests approval of the proposed well unit overlapping the well unit for the following well:

<u>Well Name</u>	<u>Well Unit</u>	<u>Operator</u>
Pavo Macho 31/32 B2EH Fed. Com. Well No. 1H	S/2N/2 §31 & S/2N/2 §32	Applicant

- (d) There is no depth severance in the Bone Spring formation.
- (e) The parties being pooled and their interests are set forth in Attachments B-1 and B-2. Exhibit C contains the proposal letter to the parties being pooled. Their current and correct addresses are also set forth. All interest owners are locatable.
- (f) Mewbourne has made a good faith effort to obtain the voluntary joinder of the working interest owners in the proposed wells.
- (g) Mewbourne has the right to pool the overriding royalty owners in the well unit.
- (h) Attachment D contains the Authorizations 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 depth and length drilled in this area of Eddy County.
- (i) Mewbourne requests overhead and administrative rates of \$8000/month for a drilling well and \$800/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 Eddy County. They are also the rates set forth in the Joint Operating Agreement for the well unit. Mewbourne requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.
- (j) Mewbourne requests that the maximum cost plus 200% risk charge be assessed against non-consenting working interest owners.
- (k) Mewbourne requests that it be designated operator of the well.
- (l) The attachments to this affidavit were prepared by me or under my supervision, or compiled from company business records.
- (m) The granting of this application is in the interests of conservation and the prevention of waste.

3. I understand that this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 2(m) above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

Date: 5/18/22


Tyler Jolly

[illegible]

ATTACHMENT

Tract 1: Lot 1 (NW4NW4), NE4NW4, NE4NE4 of Sec. 31 - NMNM 56426

Mewbourne Oil Company, et al.
 Magnum Hunter Production, Inc.
 Novo Oil & Gas Northern Delaware LLC
 OXY USA WTP Limited Partnership
 Cimarex Energy Co.

Tract 2: NW4NE4 of Section 31 - NMNM 137448

Mewbourne Oil Company, et al.
 Magnum Hunter Production, Inc.
 Novo Oil & Gas Northern Delaware LLC
 OXY USA WTP Limited Partnership
 Cimarex Energy Co.

Tract 3: NW4NW4 of Section 32 - L-6518

Mewbourne Oil Company, et al.
 Magnum Hunter Production, Inc.
 Novo Oil & Gas Northern Delaware LLC
 OXY USA WTP Limited Partnership
 Cimarex Energy Co.

Tract 4: NE4NW4, NW4NE4 of Section 32

Mewbourne Oil Company, et al.
 Magnum Hunter Production, Inc.
 Novo Oil & Gas Northern Delaware LLC
 OXY USA WTP Limited Partnership
 Cimarex Energy Co.

Tract 5: NE4NE4 of Section 32 - B-4918

Mewbourne Oil Company, et al.
 Magnum Hunter Production, Inc.
 Novo Oil & Gas Northern Delaware LLC
 OXY USA WTP Limited Partnership
 Cimarex Energy Co.

Tract 6: NW4NW4, NE4NE4 of Section 33 - NM 15068

Mewbourne Oil Company, et al.
 8 Way Oil & Gas, Inc.

Tract 7: NE4NW4, NW4NE4 of Section 33 - NM 02056

EOG Resources, Inc.

RECAPITULATION FOR PAVO MACHO 31-33 B3DA FED COM #2H

Tract Number	Number of Acres Committed	Percentage of Interest in Communitized Area
1	112.51	23.811136%
2	40	8.465429%
3	40	8.465429%
4	80	16.930859%
5	40	8.465429%
6	80	16.930859%
7	80	16.930859%
TOTAL	472.51	100.000000%

ATTACHMENT B-1

Ownership by Tract Pavo Macho 31-33 B3DA Fed Com #2H

Tract 1: Lot 1 (NW4NW4), NE4NW4, NE4NE4 of Sec. 31 - NMNM 56426

Entity/Individual	Interest
Mewbourne Oil Company, et al.	68.6477600%
Magnum Hunter Production, Inc.	17.882070%
Novo Oil & Gas Northern Delaware LLC	12.799590%
OXY USA WTP Limited Partnership	0.335290%
Cimarex Energy Co.	0.335290%
Total	100.0000000%

Tract 2: NW4NE4 of Section 31 - NMNM 137448

Entity/Individual	Interest
Mewbourne Oil Company, et al.	68.6477600%
Magnum Hunter Production, Inc.	17.882070%
Novo Oil & Gas Northern Delaware LLC	12.799590%
OXY USA WTP Limited Partnership	0.335290%
Cimarex Energy Co.	0.335290%
Total	100.0000000%

Tract 3: NW4NW4 of Section 32 - L-6518

Entity/Individual	Interest
Mewbourne Oil Company, et al.	68.6477600%
Magnum Hunter Production, Inc.	17.882070%
Novo Oil & Gas Northern Delaware LLC	12.799590%
OXY USA WTP Limited Partnership	0.335290%
Cimarex Energy Co.	0.335290%
Total	100.0000000%

Tract 4: NE4NW4, NW4NE4 of Section 32

Entity/Individual	Interest
Mewbourne Oil Company, et al.	68.6477600%
Magnum Hunter Production, Inc.	17.882070%
Novo Oil & Gas Northern Delaware LLC	12.799590%
OXY USA WTP Limited Partnership	0.335290%
Cimarex Energy Co.	0.335290%
Total	100.0000000%

Tract 5: NE4NE4 of Section 32 - B-4918

Entity/Individual	Interest
Mewbourne Oil Company, et al.	68.6477600%
Magnum Hunter Production, Inc.	17.882070%
Novo Oil & Gas Northern Delaware LLC	12.799590%
OXY USA WTP Limited Partnership	0.335290%
Cimarex Energy Co.	0.335290%
Total	100.0000000%

Tract 6: NW4NW4, NE4NE4 of Section 33

Entity/Individual	Interest
Mewbourne Oil Company, et al.	98.0000000%
8 Way Oil & Gas, Inc.	2.0000000%
Total	100.0000000%

Tract 7: NW4NW4, NE4NE4 of Section 33

Entity/Individual	Interest
EOG Resources, Inc.	100.0000000%
Total	100.0000000%

Spacing Unit Ownership

Pavo Macho 31-33 B3DA Fed Com #2H	Interest
Mewbourne Oil Company, et al.	61.994691%
EOG Resources, Inc.	16.930859%
Magnum Hunter Production, Inc.	11.826894%
Novo Oil & Gas Northern Delaware LLC	8.465429%
OXY USA WTP Limited Partnership	0.221755%
Cimarex Energy Co.	0.221755%
8 Way Oil & Gas, Inc.	0.338617%
Total	100.000000%

Parties in Red are being pooled -

38.005309%

PAVO MACHO 31-33 B3EH FED COM #2H

NM 137448 OG Lse	NMNM 56426 31	L-6518 K-4795 L-6518 K-4795 32 NM 0002056 OG Lse	6 32.54 NM 056426 OG Lse 2 34.42 1202930 D/C NM 142553 OG Lse 3 35.50 2 35.78 1 36.08 NM 0002056 OG Lse NM 0015068 OG Lse
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ATTACHMENT A.2

Tract 1: Lot 2 (SW4NW4), SE4NW4, S2NE4 of Sec. 31 - NMNM 56426

Mewbourne Oil Company, et al.
 Magnum Hunter Production, Inc.
 Novo Oil & Gas Northern Delaware LLC
 OXY USA WTP Limited Partnership
 Cimarex Energy Co.

Tract 4: SW4NW4, SE4NE4 of Section 33 - NM 15068

Mewbourne Oil Company, et al.
 8 Way Oil & Gas, Inc.

Tract 5: SE4NW4, SW4NE4 of Section 33 - NM 02056

EOG Resources, Inc.

Tract 2: SW4NW4, SW4NE4 of Section 32 - L-6518

Mewbourne Oil Company, et al.
 Magnum Hunter Production, Inc.
 Novo Oil & Gas Northern Delaware LLC
 OXY USA WTP Limited Partnership
 Cimarex Energy Co.

Tract 3: SE4NW4, SE4NE4 of Section 32 - K-4795

Mewbourne Oil Company, et al.
 Magnum Hunter Production, Inc.
 Novo Oil & Gas Northern Delaware LLC
 OXY USA WTP Limited Partnership
 Cimarex Energy Co.

RECAPITULATION FOR PAVO MACHO 31-33 B3EH FED COM #2H

Tract Number	Number of Acres Committeed	Percentage of Interst in Communitized Area
1	152.66	32.298058%
2	80	16.925486%
3	80	16.925486%
4	80	16.925486%
5	80	16.925486%
TOTAL	472.66	100.000000%

ATTACHMENT

B.2

Ownership by Tract Pavo Macho 31-33 B3EH Fed Com #2H**Tract 1: Lot 2 (SW4NW4), SE4NW4, S2NE4 of Sec. 31 - NMNM 56426**

Entity/Individual	Interest
Mewbourne Oil Company, et al.	68.6477600%
Magnum Hunter Production, Inc.	17.882070%
Novo Oil & Gas Northern Delaware LLC	12.799590%
OXY USA WTP Limited Partnership	0.335290%
Cimarex Energy Co.	0.335290%
Total	100.0000000%

Tract 2: SW4NW4, SW4NE4 of Section 32 - L-6518

Entity/Individual	Interest
Mewbourne Oil Company, et al.	68.6477600%
Magnum Hunter Production, Inc.	17.882070%
Novo Oil & Gas Northern Delaware LLC	12.799590%
OXY USA WTP Limited Partnership	0.335290%
Cimarex Energy Co.	0.335290%
Total	100.0000000%

Tract 3: SE4NW4, SE4NE4 of Section 32 - K-4795

Entity/Individual	Interest
Mewbourne Oil Company, et al.	68.6477600%
Magnum Hunter Production, Inc.	17.882070%
Novo Oil & Gas Northern Delaware LLC	12.799590%
OXY USA WTP Limited Partnership	0.335290%
Cimarex Energy Co.	0.335290%
Total	100.0000000%

Tract 4: SW4NW4, SE4NE4 of Section 33 - NM 15068

Entity/Individual	Interest
Mewbourne Oil Company, et al.	98.0000000%
8 Way Oil & Gas, Inc.	2.0000000%
Total	100.0000000%

Tract 5: SE4NW4, SW4NE4 of Section 33 - NM 02056

Entity/Individual	Interest
EOG Resources, Inc.	100.0000000%
Total	100.0000000%

Spacing Unit Ownership

Pavo Macho 31-33 B3EH Fed Com #2H	Interest
Mewbourne Oil Company, et al.	61.9968020%
EOG Resources, Inc.	16.9254860%
Magnum Hunter Production, Inc.	11.8288160%
Novo Oil & Gas Northern Delaware LLC	8.4668040%
OXY USA WTP Limited Partnership	0.2217910%
Cimarex Energy Co.	0.2217910%
8 Way Oil & Gas, Inc.	0.3385100%
Total	100.0000000%

Parties in Red are being pooled -

38.003198%

Summary of Communications
Pavo Macho 31-33 B3DA Fed Com #2H
Pavo Macho 31-33 B2EH Fed Com #2H

8 Way Oil & Gas, Inc.

1. Well Proposal dated March 23, 2022, sent via certified mail. Proposal letter was returned undeliverable and returned as unclaimed.
2. Email dated April 22, 2022, to Steven Bryant with PBEX (associated with 8 Way Oil & Gas, Inc.) sending the proposal via email.
3. Emails dated April 27, 2022, and April 28, 2022, with Steven Bryant with PBEX discussing ownership and title.

Cimarex Energy Co. and Magnum Hunter Production, Inc. (both subsidiaries of Coterra Energy Inc.)

1. Well Proposals dated March 23, 2022, sent via certified mail. Proof of delivery included.
2. Emails dated March 24, 2022, with Riley Morris with Coterra discussing proposals.
3. Emails dated April 11, 2022, with Riley Morris with Coterra discussing drilling and completion dates.

Earthstone Permian LLC

1. Well Proposal dated March 23, 2022, sent via certified mail. Proof of delivery included.
2. Phone call April 4, 2022, with Mike from Earthstone discussing participation in the wells.

EOG Resources, Inc.

1. Well Proposal dated March 23, 2022, sent via certified mail. Proof of delivery included.
2. Emails with Brian Pond with EOG from March 24, 2022, to April 28, 2022, discussing participation in the wells.

Novo Oil & Gas Northern Delaware LLC

1. Well Proposal dated March 23, 2022, sent via certified mail. Proof of delivery included.
2. Emails dated March 28, 2022, with Justin Carter with Novo discussing title for the wells.

OXY USA WTP Limited Partnership

1. Well Proposal dated March 23, 2022, sent via certified mail. Proof of delivery included.
2. Emails dated March 29, 2022, and March 30, 2022, with Jonathan Gonzales with OXY discussing title for the wells.

P.J. Guy Family Trust

1. Well Proposal dated March 23, 2022, sent via certified mail. Proof of delivery included.
2. Phone call discussion April 28, 2022, with the P.J. Guy Family Trust discussing participating in the wells.

ATTACHMENT

C

Trans-Ram, LLC, Snow Oil & Gas, Inc., The Estate of Nona Snow, Grace Smith,

1. Well Proposal dated March 23, 2022, sent via certified mail. Proof of delivery included.
2. Phone call April 28, 2022, with Dan Snow discussing participating in the wells.

MEWBOURNE OIL COMPANY

500 West Texas, Suite 1020
Midland, Texas 79701
Phone (432) 682-3715

March 23, 2022

Via Certified Mail

8 Way Oil & Gas, Inc.
P.O. Box 371
Midland, Texas 79702

Re: Pavo Macho 31/33 Working Interest
Unit and Well Proposals
Sections 31, 32, and 33, T18S, R29E
Eddy County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company ("MOC"), as Operator, hereby proposes creating a three (3) section working interest unit comprising of Section 31, Section 32, and Section 33, T18S, R29E, Eddy County, New Mexico. As part of the initial development of this unit, MOC hereby proposes the following wells targeting the 3rd Bone Spring Sand interval within the Bone Spring formation:

- 1) PAVO MACHO 31/33 B3DA FED COM #2H – API # - pending
Surface Location: 860' FNL, 185' FWL, Section 31, T18S, R29E
Bottom Hole Location: 660' FNL, 100' FEL, Section 33, T18S, R29E
Proposed Total Vertical Depth: 8640'
Proposed Total Measured Depth: 23520'
Target: 3rd Bone Spring Sand
- 2) PAVO MACHO 31/33 B3EH FED COM #2H – API # - pending
Surface Location: 890' FNL, 185' FWL, Section 31, T18S, R29E
Bottom Hole Location: 1980' FNL, 100' FEL, Section 33, T18S, R29E
Proposed Total Vertical Depth: 8670'
Proposed Total Measured Depth: 23550'
Target: 3rd Bone Spring Sand

The wells will be pad drilled with the first well tentatively planned to spud in July 2022. In the event you elect to participate in the proposed wells, please execute the enclosed set of Operating Agreement signature and acknowledgement pages and AFEs before returning them to the undersigned within thirty (30) days. The enclosed Operating Agreement provides a non-consent penalty of 300%/100% and COPAS drilling/producing rates of \$8000/month and \$800/month respectively. A final Exhibit A will be provided after all elections are made. Please enclose your most current well information requirements with your executed AFEs so that we may supply well data when available.

Please contact me at (432) 682-3715 or tjolly@mewbourne.com if you have any questions or need additional information.

Very truly yours,

MEWBOURNE OIL COMPANY

A handwritten signature in blue ink, appearing to read "Tyler Jolly", is positioned above the printed name.

Tyler Jolly
Landman

MEWBOURNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

Well Name: PAVO MACHO 31/33 B3DA FED COM #2H		Prospect: PAVO MACHO 31	
Location: SL: 860 FNL & 185 FWL (31); BHL: 660 FNL & 100 FEL (33)		County: Eddy	ST: NM
Sec. 31	Blk: 	Survey: 	TWP: 18S RNG: 29E Prop. TVD: 8640 TMD: 23520

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$20,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$35,000	0180-0205	\$35,000
Location / Restoration		0180-0106	\$200,000	0180-0206	\$75,000
Daywork / Turnkey / Footage Drilling 35 days drlg / 3 days comp @ \$23000/d		0180-0110	\$859,700	0180-0210	\$73,700
Fuel 1700 gal/day @ \$4.7/gal		0180-0114	\$298,700	0180-0214	\$649,600
Alternate Fuels		0180-0115		0180-0215	
Mud, Chemical & Additives		0180-0120	\$30,000	0180-0220	
Mud - Specialized		0180-0121	\$150,000	0180-0221	
Horizontal Drillout Services				0180-0222	\$350,000
Stimulation Toe Preparation				0180-0223	\$37,500
Cementing		0180-0125	\$40,000	0180-0225	\$110,000
Logging & Wireline Services		0180-0130	\$30,000	0180-0230	\$550,200
Casing / Tubing / Snubbing Services		0180-0134	\$12,000	0180-0234	\$40,000
Mud Logging		0180-0137	\$15,000		
Stimulation				0180-0241	\$3,279,200
Stimulation Rentals & Other				0180-0242	\$290,000
Water & Other		0180-0145	\$35,000	0180-0245	\$475,800
Bits		0180-0148	\$152,700	0180-0248	
Inspection & Repair Services		0180-0150	\$60,000	0180-0250	\$5,000
Misc. Air & Pumping Services		0180-0154		0180-0254	\$10,000
Testing & Flowback Services		0180-0158	\$12,000	0180-0258	\$24,000
Completion / Workover Rig				0180-0260	\$10,500
Rig Mobilization		0180-0164	\$150,000		
Transportation		0180-0165	\$30,000	0180-0265	\$25,000
Welding, Construction & Maint. Services		0180-0168	\$4,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170	\$191,000	0180-0270	\$69,100
Directional Services Includes Vertical Control		0180-0175	\$544,000		
Equipment Rental		0180-0180	\$218,900	0180-0280	\$12,500
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$6,100	0180-0285	
Intangible Supplies		0180-0188	\$8,000	0180-0288	\$1,000
Damages		0180-0190	\$10,000	0180-0290	\$10,000
Pipeline Interconnect, ROW Easements		0180-0192		0180-0292	\$5,000
Company Supervision		0180-0195	\$136,800	0180-0295	\$43,200
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Contingencies 5% (TCP) 5% (CC)		0180-0199	\$163,200	0180-0299	\$310,800
TOTAL			\$3,427,100		\$6,527,100

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0") 300' - 13 3/8" 54.5# J-55 ST&C @ \$58.73/ft		0181-0794	\$18,800		
Casing (8.1" - 10.0") 3275' - 9 5/8" 40# J-55 LT&C @ \$41.98/ft		0181-0795	\$146,800		
Casing (6.1" - 8.0") 7900' - 7" 29# HCIP110 GBCD @ \$41.98/ft		0181-0796	\$354,200		
Casing (4.1" - 6.0") 15600' - 5 1/2" 20# HCP110 CDC-HTQ @ \$33.99/ft				0181-0797	\$566,300
Tubing 7850' - 2 7/8" 6.5# L-80 IPC Tbg @ \$12.95/ft				0181-0798	\$108,600
Drilling Head		0181-0860	\$35,000		
Tubing Head & Upper Section				0181-0870	\$30,000
Horizontal Completion Tools				0181-0871	\$11,000
Subsurface Equip. & Artificial Lift				0181-0880	\$25,000
Pumping Unit Systems				0181-0885	
Service Pumps (1/2) TP/CP/Circ pump				0181-0886	\$16,300
Storage Tanks (1/2) 6 OT/5 WT/GB				0181-0890	\$182,500
Emissions Control Equipment (1/2) VRT's/VRU/Flare/KO's				0181-0892	\$134,500
Separation / Treating Equipment (1/2) H sep/V sep/HT				0181-0895	\$81,800
Automation Metering Equipment				0181-0898	\$75,000
Line Pipe & Valves - Gathering (1/2) 1 mile gas & water				0181-0900	\$72,900
Fittings / Valves & Accessories				0181-0906	\$235,500
Cathodic Protection				0181-0908	
Electrical Installation				0181-0909	\$162,500
Equipment Installation				0181-0910	\$177,500
Pipeline Construction (1/2) 1 mile gas & water				0181-0920	\$49,000
TOTAL			\$554,800		\$1,928,400
SUBTOTAL			\$3,981,900		\$8,455,500
TOTAL WELL COST			\$12,437,400		

Extra Expense Insurance

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

☐ I elect to purchase my own well control insurance policy.

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

Prepared by: Ryan McDaniel	Date: 3/15/2022
Company Approval: _____	Date: _____
Joint Owner Interest: _____ Amount: _____	Signature: _____
Joint Owner Name: _____	

ATTACHMENT D

MEWBOURNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

Well Name: PAVO MACHO 31/33 B3EH FED COM #2H		Prospect: PAVO MACHO 31	
Location: SL: 890 FNL & 185 FWL (31); BHL: 1980 FNL & 100 FEL (33)		County: Eddy	ST: NM
Sec. 31	Blk: 	Survey: 	TWP: 18S RNG: 29E Prop. TVD: 8670 TMD: 23550

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$20,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$35,000	0180-0205	\$35,000
Location / Restoration		0180-0106	\$200,000	0180-0206	\$75,000
Daywork / Turnkey / Footage Drilling 35 days drlg / 3 days comp @ \$23000/d		0180-0110	\$859,700	0180-0210	\$73,700
Fuel 1700 gal/day @ \$4.7/gal		0180-0114	\$298,700	0180-0214	\$649,600
Alternate Fuels		0180-0115		0180-0215	
Mud, Chemical & Additives		0180-0120	\$30,000	0180-0220	
Mud - Specialized		0180-0121	\$150,000	0180-0221	
Horizontal Drillout Services				0180-0222	\$350,000
Stimulation Toe Preparation				0180-0223	\$37,500
Cementing		0180-0125	\$40,000	0180-0225	\$110,000
Logging & Wireline Services		0180-0130	\$30,000	0180-0230	\$550,200
Casing / Tubing / Snubbing Services		0180-0134	\$12,000	0180-0234	\$40,000
Mud Logging		0180-0137	\$15,000		
Stimulation				0180-0241	\$3,279,200
Stimulation Rentals & Other				0180-0242	\$290,000
Water & Other		0180-0145	\$35,000	0180-0245	\$475,800
Bits		0180-0148	\$152,700	0180-0248	
Inspection & Repair Services		0180-0150	\$60,000	0180-0250	\$5,000
Misc. Air & Pumping Services		0180-0154		0180-0254	\$10,000
Testing & Flowback Services		0180-0158	\$12,000	0180-0258	\$24,000
Completion / Workover Rig				0180-0260	\$10,500
Rig Mobilization		0180-0164	\$150,000		
Transportation		0180-0165	\$30,000	0180-0265	\$25,000
Welding, Construction & Maint. Services		0180-0168	\$4,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170	\$191,000	0180-0270	\$69,100
Directional Services Includes Vertical Control		0180-0175	\$544,000		
Equipment Rental		0180-0180	\$218,900	0180-0280	\$12,500
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$6,100	0180-0285	
Intangible Supplies		0180-0188	\$8,000	0180-0288	\$1,000
Damages		0180-0190	\$10,000	0180-0290	\$10,000
Pipeline Interconnect, ROW Easements		0180-0192		0180-0292	\$5,000
Company Supervision		0180-0195	\$136,800	0180-0295	\$43,200
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Contingencies 5% (TCP) 5% (CC)		0180-0199	\$163,200	0180-0299	\$310,800
TOTAL			\$3,427,100		\$6,527,100

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0") 300' - 13 3/8" 54.5# J-55 ST&C @ \$58.73/ft		0181-0794	\$18,800		
Casing (8.1" - 10.0") 3275' - 9 5/8" 40# J-55 LT&C @ \$41.98/ft		0181-0795	\$146,800		
Casing (6.1" - 8.0") 7900' - 7" 29# HCIP110 GBCD @ \$41.98/ft		0181-0796	\$354,200		
Casing (4.1" - 6.0") 15650' - 5 1/2" 20# HCP110 CDC-HTQ @ \$33.99/ft				0181-0797	\$568,100
Tubing 7850' - 2 7/8" 6.5# L-80 IPC Tbg @ \$12.95/ft				0181-0798	\$108,600
Drilling Head		0181-0860	\$35,000		
Tubing Head & Upper Section				0181-0870	\$30,000
Horizontal Completion Tools				0181-0871	\$11,000
Subsurface Equip. & Artificial Lift				0181-0880	\$25,000
Pumping Unit Systems				0181-0885	
Service Pumps (1/2) TP/CP/Circ pump				0181-0886	\$16,300
Storage Tanks (1/2) 6 OT/5 WT/GB				0181-0890	\$182,500
Emissions Control Equipment (1/2) VRT's/VRU/Flare/KO's				0181-0892	\$134,500
Separation / Treating Equipment (1/2) H sep/V sep/HT				0181-0895	\$81,800
Automation Metering Equipment				0181-0898	\$75,000
Line Pipe & Valves - Gathering (1/2) 1 mile gas & water				0181-0900	\$72,900
Fittings / Valves & Accessories				0181-0906	\$235,500
Cathodic Protection				0181-0908	
Electrical Installation				0181-0909	\$162,500
Equipment Installation				0181-0910	\$177,500
Pipeline Construction (1/2) 1 mile gas & water				0181-0920	\$49,000
TOTAL			\$554,800		\$1,930,200
SUBTOTAL			\$3,981,900		\$8,457,300
TOTAL WELL COST			\$12,439,200		

Extra Expense Insurance

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

☐ I elect to purchase my own well control insurance policy.

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

Prepared by: Ryan McDaniel	Date: 3/15/2022
Company Approval: _____	Date: _____
Joint Owner Interest: _____ Amount: _____	Signature: _____
Joint Owner Name: _____	

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

**APPLICATIONS OF MEWBOURNE OIL COMPANY
FOR COMPULSORY POOLING, EDDY COUNTY,
NEW MEXICO.**

Case Nos. 21727 & 22728

SELF-AFFIRMED STATEMENT OF CHARLES CROSBY

COUNTY OF MIDLAND)
) ss.
STATE OF TEXAS)

Charles Crosby deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am a geologist for Mewbourne Oil Company ("Mewbourne"), and I am familiar with the geological matters involved in these cases. I have been qualified by the Division as an expert petroleum geologist.
3. The following geological plats are attached hereto:
 - (a) Attachment A is a structure map on the top of the Wolfcamp formation (the base of the Third Bone Spring Sand). It shows that structure dips gently to the southeast. It also shows Bone Spring wells in the area, and a line of cross-section.
 - (b) Attachment B is a Third Bone Spring Sand Gross Thickness map.
 - (c) Attachment C is a cross section showing the Third Bone Spring Sand, the target zone for the proposed wells. The well logs on the cross-section give a representative sample of the Third Bone Spring Sand in this area. The sand is continuous and uniformly thick across the well units.
4. I conclude from the maps that:
 - (a) The horizontal spacing units are justified from a geologic standpoint.
 - (b) The target zone is continuous and of relatively uniform thickness across the well units.
 - (c) Each quarter-quarter section in the well units will contribute more or less equally to production.

EXHIBIT

3

(d) There is no faulting or other geologic impediment in the area which will affect the drilling of the subject wells.

5. Attachment D contains information from other Third Bone Spring Sand wells drilled in this area. There is a preference for laydown wells.

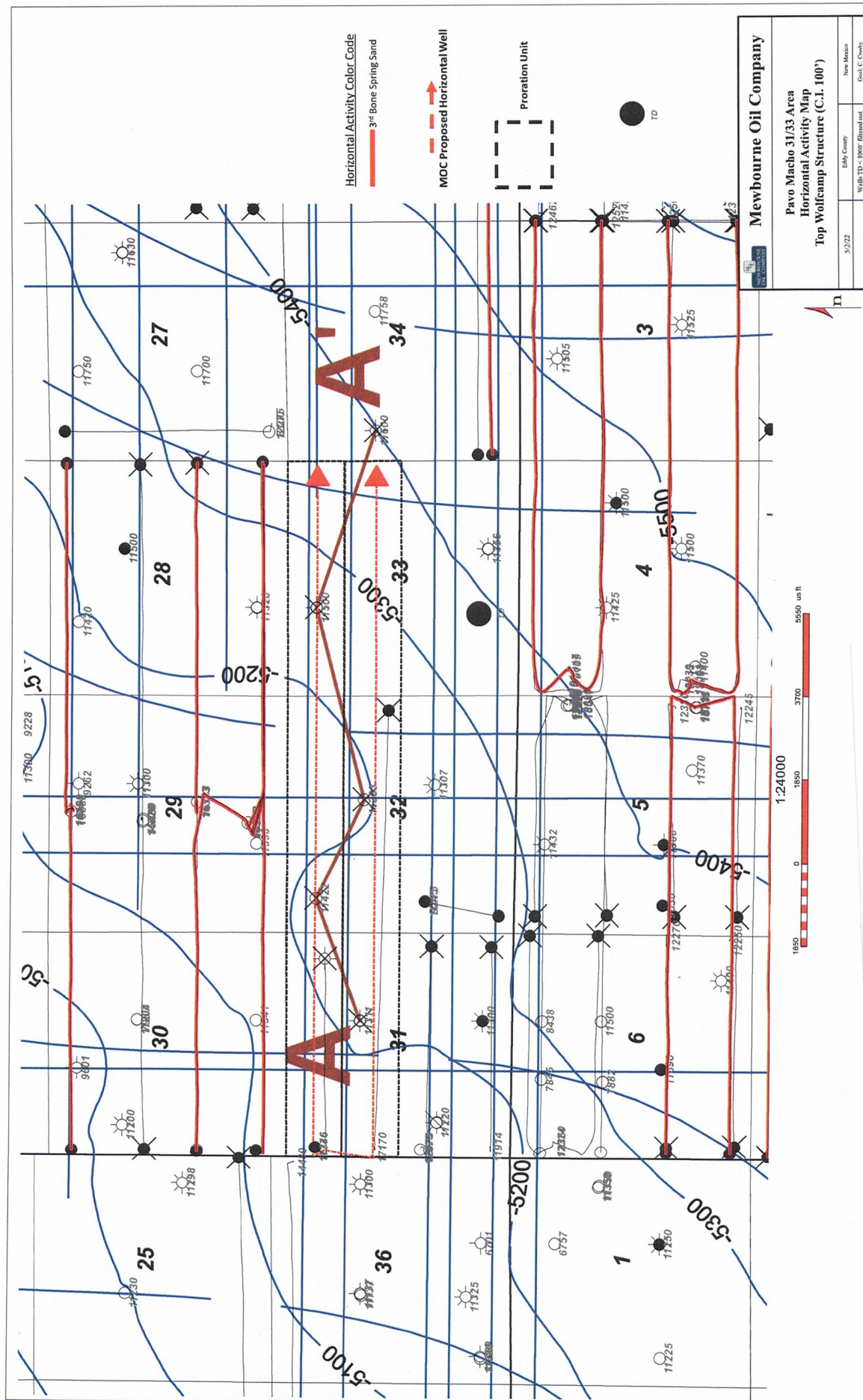
6. Attachment E contains Survey Calculation Reports for the proposed wells. The producing interval of the wells will be orthodox.

I understand that this Self-Affirmed Statement will be used as written testimony in these cases. I affirm that my testimony in paragraphs 1 through 6 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

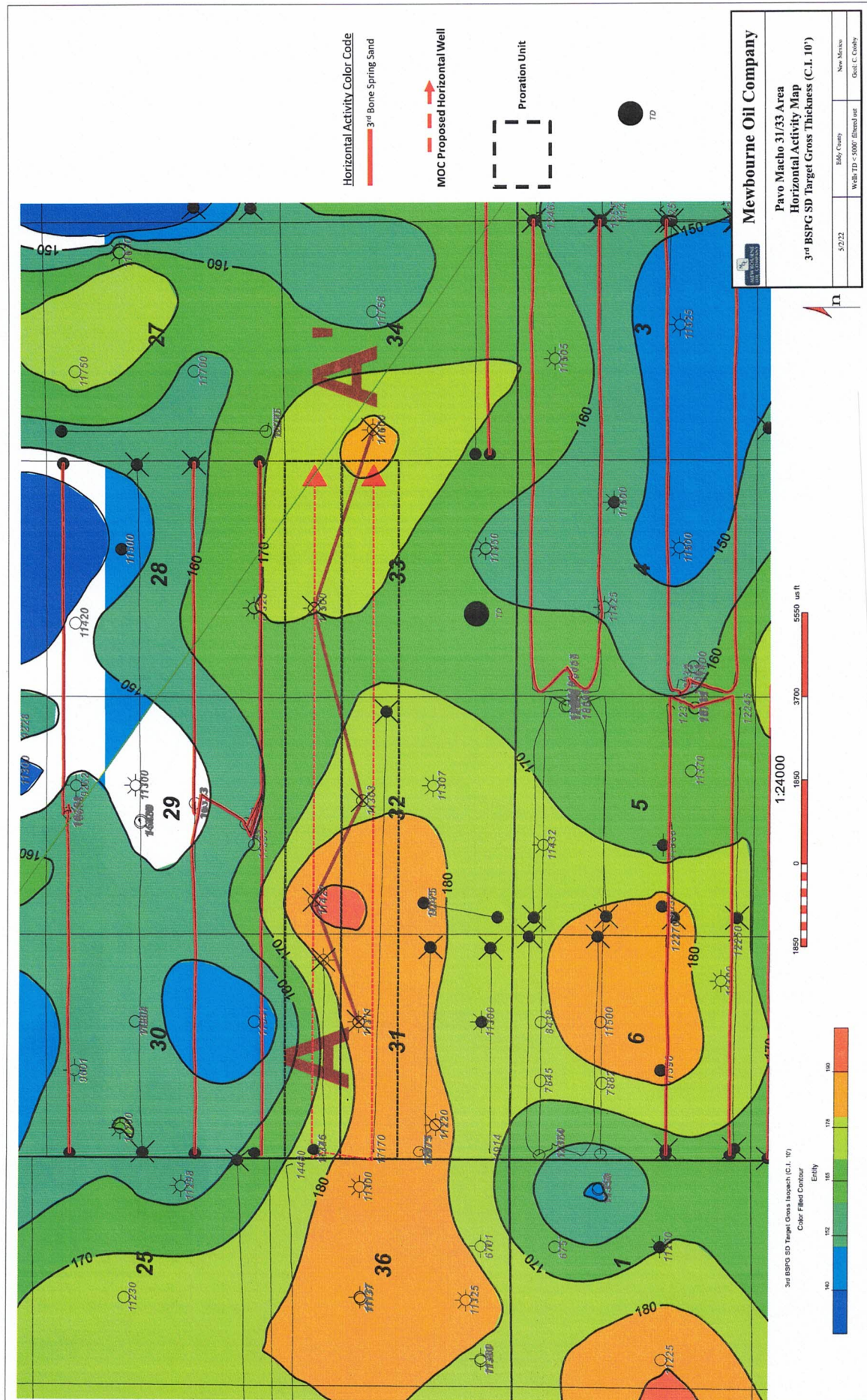
Date:

5/31/22


Charles Crosby



ATTACHMENT A



ATTACHMENT B



Pavo Macho 3rd BSPG SD Horizontal Production Table

Well Name	Operator	API	Location	Completion Date	Cum Oil (Mbo)	Cum Gas (Bcf)	Cum Water (Mbw)	NS/EW	Production Zone
Turkey Track 4/3 State 31H	OXY	30015443340000	4D/19S/29E	10/23/2018	356.7	0.59	226.7	EW	3rd Bone Spring Sand
Turkey Track 4/3 State 32H	OXY	300154433860000	4D/19S/29E	10/22/2018	236.1	0.51	294.0	EW	3rd Bone Spring Sand
Turkey Track 4/3 State 33H	OXY	30015444110000	4L/19S/29E	8/17/2018	415.2	0.86	217.0	EW	3rd Bone Spring Sand
Turkey Track 4/3 State 34H	OXY	30015444320000	4L/19S/29E	8/21/2018	433.2	0.90	320.4	EW	3rd Bone Spring Sand
Pavo Frio 29/30 B3CD Fed Com 1H	Mewbourne	30015454060000	29B/18S/29E	10/1/2020	183.5	0.33	845.7	EW	3rd Bone Spring Sand
Pavo Frio 29/28 B3BA Fed Com 1H	Mewbourne	30015460170000	29B/18S/29E	10/1/2020	198.6	0.38	320.0	EW	3rd Bone Spring Sand
Pavo Frio 29/28 B3JL Fed Com 1H	Mewbourne	30015460180000	29J/18S/29E	10/2/2019	355.0	0.52	419.8	EW	3rd Bone Spring Sand
Wishbone 35/34 B3PM Fed Com 2H	Mewbourne	30015462670000	35P/18S/29E	5/24/2020	173.7	0.29	444.9	EW	3rd Bone Spring Sand
Gobbler 5/6 B3PM State Com 2H	Mewbourne	30015467250000	5P/19S/29E	6/2/2021	124.0	0.27	226.7	EW	3rd Bone Spring Sand
Gobbler 5/6 B3JL State Com 2H	Mewbourne	30015467260000	5P/19S/29E	6/23/2021	218.9	0.39	325.9	EW	3rd Bone Spring Sand
Pavo Frio 29/30 B3KL Fed Com 1H	Mewbourne	30015476110000	29N/18S/29E	9/1/2021	116.6	0.21	227.3	EW	3rd Bone Spring Sand
Pavo Frio 29/30 B3NM Fed Com 1H	Mewbourne	30015459950000	29N/18S/29E	9/1/2021	143.3	0.36	233.6	EW	3rd Bone Spring Sand
Pavo Frio 29/28 B3OP Fed Com 1H	Mewbourne	30015459940000	29N/18S/29E	9/21/2021	140.6	0.25	163.9	EW	3rd Bone Spring Sand
Gobbler 5/6 B3HE State Com 2H	Mewbourne	30015478820000	5H/19S/29E	Pending					
Gobbler 5/6 B3HE State Com 2H	Mewbourne	30015478830000	5H/19S/29E	Pending					

ATTACHMENT



ATTACHMENT

E

Mewbourne Oil Company

SURVEY CALCULATION REPORT
Minimum Curvature Calculations

Operator: Mewbourne Oil Company
Lease Name: Pavo Macho 31/33 B3EH Fed Com 2H
KOP 7883.04
SL: 1980 FNL & 100 FWL; Sec 31/18S/29E
PBL: 1980 FNL & 100 FEL; Sec 33/18S/29E

Target KBTVD: 8,456 Feet 8456.00
Target Angle: 89.16 Degrees 89.16
Section Plane: 94.02 Degrees
Declination Corrected to True North: 6.63 Degrees
Bit to Survey Offset: 44 Feet

Survey No.	Measured Depth-ft	Drift (Deg.)	Azimuth (Deg.)	Course Length	TVD (Feet)	Vertical Section	+N/-S (Feet)	+E/-W (Feet)	Closure Distance	Closure Direction	BUR	DLS	KBTVD	+Above -Below Target	DRIFT RADIANS	AZIMUTH (RADIANS)
T/I	7883.04	0.00	94.02	N/A	7883.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	7883.0	573.0	1E-12	1.64 #VALUE!
1	7972.20	8.92	94.02	89.158	7971.8	6.9	-0.5	6.9	6.9	94.0	10.0	10.0	7971.7	484.3	0.15561	1.64 0.1556098
2	8061.36	17.83	94.02	89.158	8058.5	27.5	-1.9	27.5	27.5	94.0	10.0	10.0	8058.1	397.9	0.31122	1.64 0.1556098
3	8150.52	26.75	94.02	89.158	8140.9	61.3	-4.3	61.2	61.3	94.0	10.0	10.0	8140.0	316.0	0.46683	1.64 0.1556098
4	8239.67	35.66	94.02	89.158	8217.1	107.5	-7.5	107.2	107.5	94.0	10.0	10.0	8215.5	240.5	0.62244	1.64 0.1556098
5	8328.83	44.58	94.02	89.158	8285.2	164.8	-11.5	164.4	164.8	94.0	10.0	10.0	8282.8	173.2	0.77805	1.64 0.1556098
6	8417.99	53.49	94.02	89.158	8343.6	232.1	-16.3	231.5	232.1	94.0	10.0	10.0	8340.2	115.8	0.93366	1.64 0.1556098
7	8507.15	62.41	94.02	89.158	8390.8	307.6	-21.6	306.8	307.6	94.0	10.0	10.0	8386.3	69.7	1.08927	1.64 0.1556098
8	8596.30	71.33	94.02	89.158	8425.8	389.5	-27.3	388.6	389.5	94.0	10.0	10.0	8420.1	35.9	1.24488	1.64 0.1556098
9	8685.46	80.24	94.02	89.158	8447.7	475.8	-33.3	474.7	475.8	94.0	10.0	10.0	8440.7	15.3	1.40049	1.64 0.1556098
10	8774.62	89.16	94.02	89.158	8455.9	564.5	-39.6	563.1	564.5	94.0	10.0	10.0	8447.6	8.4	1.5561	1.64 0.1556098
11	8800.00	89.16	94.02	25.38	8456.3	589.9	-41.3	588.5	589.9	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
12	8900.00	89.16	94.02	100	8457.8	689.9	-48.3	688.2	689.9	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
13	9000.00	89.16	94.02	100	8459.3	789.9	-55.3	788.0	789.9	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
14	9100.00	89.16	94.02	100	8460.7	889.9	-62.3	887.7	889.9	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
15	9200.00	89.16	94.02	100	8462.2	989.9	-69.4	987.4	989.9	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
16	9300.00	89.16	94.02	100	8463.7	1089.9	-76.4	1087.2	1089.9	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
17	9400.00	89.16	94.02	100	8465.1	1189.8	-83.4	1186.9	1189.8	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
18	9500.00	89.16	94.02	100	8466.6	1289.8	-90.4	1286.7	1289.8	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
19	9600.00	89.16	94.02	100	8468.1	1389.8	-97.4	1386.4	1389.8	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
20	9700.00	89.16	94.02	100	8469.5	1489.8	-104.4	1486.2	1489.8	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
21	9800.00	89.16	94.02	100	8471.0	1589.8	-111.4	1585.9	1589.8	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
22	9900.00	89.16	94.02	100	8472.5	1689.8	-118.4	1685.6	1689.8	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
23	10000.00	89.16	94.02	100	8473.9	1789.8	-125.4	1785.4	1789.8	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
24	10100.00	89.16	94.02	100	8475.4	1889.8	-132.4	1885.1	1889.8	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
25	10200.00	89.16	94.02	100	8476.9	1989.8	-139.4	1984.9	1989.8	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
26	10300.00	89.16	94.02	100	8478.4	2089.8	-146.4	2084.6	2089.8	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
27	10400.00	89.16	94.02	100	8479.8	2189.7	-153.4	2184.4	2189.7	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
28	10500.00	89.16	94.02	100	8481.3	2289.7	-160.4	2284.1	2289.7	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
29	10600.00	89.16	94.02	100	8482.8	2389.7	-167.4	2383.8	2389.7	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
30	10700.00	89.16	94.02	100	8484.2	2489.7	-174.4	2483.6	2489.7	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
31	10800.00	89.16	94.02	100	8485.7	2589.7	-181.4	2583.3	2589.7	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
32	10900.00	89.16	94.02	100	8487.2	2689.7	-188.4	2683.1	2689.7	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
33	11000.00	89.16	94.02	100	8488.6	2789.7	-195.4	2782.8	2789.7	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
34	11100.00	89.16	94.02	100	8490.1	2889.7	-202.5	2882.6	2889.7	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
35	11200.00	89.16	94.02	100	8491.6	2989.7	-209.5	2982.3	2989.7	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
36	11300.00	89.16	94.02	100	8493.1	3089.6	-216.5	3082.1	3089.6	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
37	11400.00	89.16	94.02	100	8494.5	3189.6	-223.5	3181.8	3189.6	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
38	11500.00	89.16	94.02	100	8496.0	3289.6	-230.5	3281.5	3289.6	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
39	11600.00	89.16	94.02	100	8497.5	3389.6	-237.5	3381.3	3389.6	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
40	11700.00	89.16	94.02	100	8498.9	3489.6	-244.5	3481.0	3489.6	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
41	11800.00	89.16	94.02	100	8500.4	3589.6	-251.5	3580.8	3589.6	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
42	11900.00	89.16	94.02	100	8501.9	3689.6	-258.5	3680.5	3689.6	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
43	12000.00	89.16	94.02	100	8503.3	3789.6	-265.5	3780.3	3789.6	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
44	12100.00	89.16	94.02	100	8504.8	3889.6	-272.5	3880.0	3889.6	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
45	12200.00	89.16	94.02	100	8506.3	3989.5	-279.5	3979.7	3989.5	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
46	12300.00	89.16	94.02	100	8507.8	4089.5	-286.5	4079.5	4089.5	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
47	12400.00	89.16	94.02	100	8509.2	4189.5	-293.5	4179.2	4189.5	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
48	12500.00	89.16	94.02	100	8510.7	4289.5	-300.5	4279.0	4289.5	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
49	12600.00	89.16	94.02	100	8512.2	4389.5	-307.5	4378.7	4389.5	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
50	12700.00	89.16	94.02	100	8513.6	4489.5	-314.5	4478.5	4489.5	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
51	12800.00	89.16	94.02	100	8515.1	4589.5	-321.5	4578.2	4589.5	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
52	12900.00	89.16	94.02	100	8516.6	4689.5	-328.6	4677.9	4689.5	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
53	13000.00	89.16	94.02	100	8518.0	4789.5	-335.6	4777.7	4789.5	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
54	13100.00	89.16	94.02	100	8519.5	4889.4	-342.6	4877.4	4889.4	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
55	13200.00	89.16	94.02	100	8521.0	4989.4	-349.6	4977.2	4989.4	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10
56	13300.00	89.16	94.02	100	8522.5	5089.4	-356.6	5076.9	5089.4	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64 1E-10

57	13400.00	89.16	94.02	100	8523.9	5189.4	-363.6	5176.7	5189.4	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
58	13500.00	89.16	94.02	100	8525.4	5289.4	-370.6	5276.4	5289.4	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
59	13600.00	89.16	94.02	100	8526.9	5389.4	-377.6	5376.2	5389.4	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
60	13700.00	89.16	94.02	100	8528.3	5489.4	-384.6	5475.9	5489.4	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
61	13800.00	89.16	94.02	100	8529.8	5589.4	-391.6	5575.6	5589.4	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
62	13900.00	89.16	94.02	100	8531.3	5689.4	-398.6	5675.4	5689.4	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
63	14000.00	89.16	94.02	100	8532.7	5789.4	-405.6	5775.1	5789.4	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
64	14100.00	89.16	94.02	100	8534.2	5889.3	-412.6	5874.9	5889.3	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
65	14200.00	89.16	94.02	100	8535.7	5989.3	-419.6	5974.6	5989.3	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
66	14300.00	89.16	94.02	100	8537.2	6089.3	-426.6	6074.4	6089.3	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
67	14400.00	89.16	94.02	100	8538.6	6189.3	-433.6	6174.1	6189.3	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
68	14500.00	89.16	94.02	100	8540.1	6289.3	-440.6	6273.8	6289.3	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
69	14600.00	89.16	94.02	100	8541.6	6389.3	-447.6	6373.6	6389.3	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
70	14700.00	89.16	94.02	100	8543.0	6489.3	-454.6	6473.3	6489.3	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
71	14800.00	89.16	94.02	100	8544.5	6589.3	-461.7	6573.1	6589.3	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
72	14900.00	89.16	94.02	100	8546.0	6689.3	-468.7	6672.8	6689.3	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
73	15000.00	89.16	94.02	100	8547.4	6789.2	-475.7	6772.6	6789.2	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
74	15100.00	89.16	94.02	100	8548.9	6889.2	-482.7	6872.3	6889.2	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
75	15200.00	89.16	94.02	100	8550.4	6989.2	-489.7	6972.0	6989.2	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
76	15300.00	89.16	94.02	100	8551.9	7089.2	-496.7	7071.8	7089.2	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
77	15400.00	89.16	94.02	100	8553.3	7189.2	-503.7	7171.5	7189.2	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
78	15500.00	89.16	94.02	100	8554.8	7289.2	-510.7	7271.3	7289.2	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
79	15600.00	89.16	94.02	100	8556.3	7389.2	-517.7	7371.0	7389.2	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
80	15700.00	89.16	94.02	100	8557.7	7489.2	-524.7	7470.8	7489.2	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
81	15800.00	89.16	94.02	100	8559.2	7589.2	-531.7	7570.5	7589.2	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
82	15900.00	89.16	94.02	100	8560.7	7689.1	-538.7	7670.3	7689.1	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
83	16000.00	89.16	94.02	100	8562.1	7789.1	-545.7	7770.0	7789.1	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
84	16100.00	89.16	94.02	100	8563.6	7889.1	-552.7	7869.7	7889.1	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
85	16200.00	89.16	94.02	100	8565.1	7989.1	-559.7	7969.5	7989.1	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
86	16300.00	89.16	94.02	100	8566.5	8089.1	-566.7	8069.2	8089.1	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
87	16400.00	89.16	94.02	100	8568.0	8189.1	-573.7	8169.0	8189.1	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
88	16500.00	89.16	94.02	100	8569.5	8289.1	-580.7	8268.7	8289.1	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
89	16600.00	89.16	94.02	100	8571.0	8389.1	-587.7	8368.5	8389.1	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
90	16700.00	89.16	94.02	100	8572.4	8489.1	-594.8	8468.2	8489.1	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
91	16800.00	89.16	94.02	100	8573.9	8589.0	-601.8	8567.9	8589.0	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
92	16900.00	89.16	94.02	100	8575.4	8689.0	-608.8	8667.7	8689.0	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
93	17000.00	89.16	94.02	100	8576.8	8789.0	-615.8	8767.4	8789.0	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
94	17100.00	89.16	94.02	100	8578.3	8889.0	-622.8	8867.2	8889.0	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
95	17200.00	89.16	94.02	100	8579.8	8989.0	-629.8	8966.9	8989.0	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
96	17300.00	89.16	94.02	100	8581.2	9089.0	-636.8	9066.7	9089.0	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
97	17400.00	89.16	94.02	100	8582.7	9189.0	-643.8	9166.4	9189.0	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
98	17500.00	89.16	94.02	100	8584.2	9289.0	-650.8	9266.1	9289.0	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
99	17600.00	89.16	94.02	100	8585.7	9389.0	-657.8	9365.9	9389.0	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
100	17700.00	89.16	94.02	100	8587.1	9489.0	-664.8	9465.6	9489.0	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
101	17800.00	89.16	94.02	100	8588.6	9588.9	-671.8	9565.4	9588.9	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
102	17900.00	89.16	94.02	100	8590.1	9688.9	-678.8	9665.1	9688.9	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
103	18000.00	89.16	94.02	100	8591.5	9788.9	-685.8	9764.9	9788.9	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
104	18100.00	89.16	94.02	100	8593.0	9888.9	-692.8	9864.6	9888.9	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
105	18200.00	89.16	94.02	100	8594.5	9988.9	-699.8	9964.4	9988.9	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
106	18300.00	89.16	94.02	100	8595.9	10088.9	-706.8	10064.1	10088.9	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
107	18400.00	89.16	94.02	100	8597.4	10188.9	-713.8	10163.8	10188.9	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
108	18500.00	89.16	94.02	100	8598.9	10288.9	-720.9	10263.6	10288.9	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
109	18600.00	89.16	94.02	100	8600.4	10388.9	-727.9	10363.3	10388.9	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
110	18700.00	89.16	94.02	100	8601.8	10488.8	-734.9	10463.1	10488.8	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
111	18800.00	89.16	94.02	100	8603.3	10588.8	-741.9	10562.8	10588.8	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
112	18900.00	89.16	94.02	100	8604.8	10688.8	-748.9	10662.6	10688.8	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
113	19000.00	89.16	94.02	100	8606.2	10788.8	-755.9	10762.3	10788.8	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
114	19100.00	89.16	94.02	100	8607.7	10888.8	-762.9	10862.0	10888.8	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
115	19200.00	89.16	94.02	100	8609.2	10988.8	-769.9	10961.8	10988.8	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
116	19300.00	89.16	94.02	100	8610.6	11088.8	-776.9	11061.5	11088.8	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
117	19400.00	89.16	94.02	100	8612.1	11188.8	-783.9	11161.3	11188.8	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
118	19500.00	89.16	94.02	100	8613.6	11288.8	-790.9	11261.0	11288.8	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
119	19700.00	89.16	94.02	200	8616.5	11488.7	-804.9	11460.5	11488.7	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
120	19800.00	89.16	94.02	100	8618.0	11588.7	-811.9	11560.2	11588.7	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
121	19900.00	89.16	94.02	100	8619.5	11688.7	-818.9	11660.0	11688.7	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
122	20000.00	89.16	94.02	100	8620.9	11788.7	-825.9	11759.7	11788.7	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
123	20100.00	89.16	94.02	100	8622.4	11888.7	-832.9	11859.5	11888.7	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
124	20200.00	89.16	94.02	100	8623.												

130	20800.00	89.16	94.02	100	8632.7	12588.6	-882.0	12557.7	12588.6	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
131	20900.00	89.16	94.02	100	8634.2	12688.6	-889.0	12657.4	12688.6	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
132	21000.00	89.16	94.02	100	8635.6	12788.6	-896.0	12757.2	12788.6	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
133	21100.00	89.16	94.02	100	8637.1	12888.6	-903.0	12856.9	12888.6	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
134	21200.00	89.16	94.02	100	8638.6	12988.6	-910.0	12956.7	12988.6	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
135	21300.00	89.16	94.02	100	8640.0	13088.6	-917.0	13056.4	13088.6	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
136	21400.00	89.16	94.02	100	8641.5	13188.6	-924.0	13156.1	13188.6	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
137	21500.00	89.16	94.02	100	8643.0	13288.5	-931.0	13255.9	13288.5	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
138	21600.00	89.16	94.02	100	8644.4	13388.5	-938.0	13355.6	13388.5	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
139	21700.00	89.16	94.02	100	8645.9	13488.5	-945.0	13455.4	13488.5	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
140	21800.00	89.16	94.02	100	8647.4	13588.5	-952.0	13555.1	13588.5	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
141	21900.00	89.16	94.02	100	8648.9	13688.5	-959.0	13654.9	13688.5	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
142	22000.00	89.16	94.02	100	8650.3	13788.5	-966.0	13754.6	13788.5	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
143	22100.00	89.16	94.02	100	8651.8	13888.5	-973.0	13854.3	13888.5	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
144	22200.00	89.16	94.02	100	8653.3	13988.5	-980.1	13954.1	13988.5	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
145	22300.00	89.16	94.02	100	8654.7	14088.5	-987.1	14053.8	14088.5	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
146	22400.00	89.16	94.02	100	8656.2	14188.4	-994.1	14153.6	14188.4	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
147	22500.00	89.16	94.02	100	8657.7	14288.4	-1001.1	14253.3	14288.4	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
148	22600.00	89.16	94.02	100	8659.1	14388.4	-1008.1	14353.1	14388.4	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
149	22700.00	89.16	94.02	100	8660.6	14488.4	-1015.1	14452.8	14488.4	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
150	22800.00	89.16	94.02	100	8662.1	14588.4	-1022.1	14552.6	14588.4	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
151	22900.00	89.16	94.02	100	8663.6	14688.4	-1029.1	14652.3	14688.4	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
152	23000.00	89.16	94.02	100	8665.0	14788.4	-1036.1	14752.0	14788.4	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
153	23100.00	89.16	94.02	100	8666.5	14888.4	-1043.1	14851.8	14888.4	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
154	23200.00	89.16	94.02	100	8668.0	14988.4	-1050.1	14951.5	14988.4	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
155	23300.00	89.16	94.02	100	8669.4	15088.3	-1057.1	15051.3	15088.3	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
156	23400.00	89.16	94.02	100	8670.9	15188.3	-1064.1	15151.0	15188.3	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
157	23500.00	89.16	94.02	100	8672.4	15288.3	-1071.1	15250.8	15288.3	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
158	23545.07	89.16	94.02	45.067	8673.0	15333.4	-1074.3	15295.7	15333.4	94.0	0.0	0.0	8447.6	8.4	1.5561	1.64	1E-10
159	23545.07	89.16	94.02	0	8673.0	15333.4	-1074.3	15295.7	15333.4	94.0	#####	#####	8447.6	8.4	1.5561	1.64	1E-10

Mewbourne Oil Company

SURVEY CALCULATION REPORT
Minimum Curvature Calculations

Operator: Mewbourne Oil Company
Lease Name: Pavo Macho 31/33 B3DA Fed Com 2H
KOP 7889.04
SL: 660 FNL & 100 FWL; Sec 31/18S/29E
PBLH: 660 FNL & 100 FEL; Sec 33/18S/29E

Target KBTVD: 8,462 Feet 8462.00
Target Angle: 89.30 Degrees 89.30
Section Plane: 89.19 Degrees
Declination Corrected to True North: 6.63 Degrees
Bit to Survey Offset: 44 Feet

Survey No.	Measured Depth-ft	Drift (Deg.)	Azimuth (Deg.)	Course Length	TVD (Feet)	Vertical Section	+N/-S (Feet)	+E/-W (Feet)	Closure Distance	Closure Direction	BUR	DLS	KBTVD	+Above -Below Target	DRIFT (RADIANS)	AZIMUTH (RADIANS)
T/I	7889.04	0.00	89.19	N/A	7889.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	7889.0	573.0	1E-12	1.56 #VALUE!
1	7978.35	8.93	89.19	89.303	7978.0	6.9	0.1	6.9	6.9	89.2	10.0	10.0	7977.9	484.1	0.15586389	1.56 0.1558639
2	8067.65	17.86	89.19	89.303	8064.8	27.6	0.4	27.6	27.6	89.2	10.0	10.0	8064.4	397.6	0.31172778	1.56 0.1558639
3	8156.95	26.79	89.19	89.303	8147.3	61.5	0.9	61.5	61.5	89.2	10.0	10.0	8146.5	315.5	0.46759166	1.56 0.1558639
4	8246.26	35.72	89.19	89.303	8223.6	107.8	1.5	107.8	107.8	89.2	10.0	10.0	8222.2	239.8	0.62345555	1.56 0.1558639
5	8335.56	44.65	89.19	89.303	8291.7	165.4	2.3	165.3	165.4	89.2	10.0	10.0	8289.7	172.3	0.77931944	1.56 0.1558639
6	8424.86	53.58	89.19	89.303	8350.1	232.8	3.3	232.8	232.8	89.2	10.0	10.0	8347.3	114.7	0.93518333	1.56 0.1558639
7	8514.17	62.51	89.19	89.303	8397.3	308.5	4.3	308.5	308.5	89.2	10.0	10.0	8393.6	68.4	1.09104721	1.56 0.1558639
8	8603.47	71.44	89.19	89.303	8432.2	390.6	5.5	390.6	390.6	89.2	10.0	10.0	8427.5	34.5	1.2469111	1.56 0.1558639
9	8692.77	80.37	89.19	89.303	8453.9	477.1	6.7	477.1	477.1	89.2	10.0	10.0	8448.1	13.9	1.40277499	1.56 0.1558639
10	8782.08	89.30	89.19	89.303	8462.0	566.0	8.0	565.9	566.0	89.2	10.0	10.0	8455.1	6.9	1.55863888	1.56 0.1558639
11	8800.00	89.30	89.19	17.923	8462.2	583.9	8.2	583.9	583.9	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
12	8900.00	89.30	89.19	100	8463.4	683.9	9.6	683.8	683.9	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
13	9000.00	89.30	89.19	100	8464.6	783.9	11.0	783.8	783.9	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
14	9100.00	89.30	89.19	100	8465.8	883.9	12.4	883.8	883.9	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
15	9200.00	89.30	89.19	100	8467.0	983.9	13.9	983.8	983.9	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
16	9300.00	89.30	89.19	100	8468.3	1083.9	15.3	1083.8	1083.9	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
17	9400.00	89.30	89.19	100	8469.5	1183.9	16.7	1183.8	1183.9	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
18	9500.00	89.30	89.19	100	8470.7	1283.9	18.1	1283.7	1283.9	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
19	9600.00	89.30	89.19	100	8471.9	1383.9	19.5	1383.7	1383.9	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
20	9700.00	89.30	89.19	100	8473.1	1483.8	20.9	1483.7	1483.8	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
21	9800.00	89.30	89.19	100	8474.3	1583.8	22.3	1583.7	1583.8	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
22	9900.00	89.30	89.19	100	8475.5	1683.8	23.7	1683.7	1683.8	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
23	10000.00	89.30	89.19	100	8476.8	1783.8	25.1	1783.6	1783.8	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
24	10100.00	89.30	89.19	100	8478.0	1883.8	26.5	1883.6	1883.8	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
25	10200.00	89.30	89.19	100	8479.2	1983.8	27.9	1983.6	1983.8	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
26	10300.00	89.30	89.19	100	8480.4	2083.8	29.3	2083.6	2083.8	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
27	10400.00	89.30	89.19	100	8481.6	2183.8	30.8	2183.6	2183.8	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
28	10500.00	89.30	89.19	100	8482.8	2283.8	32.2	2283.6	2283.8	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
29	10600.00	89.30	89.19	100	8484.1	2383.8	33.6	2383.5	2383.8	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
30	10700.00	89.30	89.19	100	8485.3	2483.8	35.0	2483.5	2483.8	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
31	10800.00	89.30	89.19	100	8486.5	2583.8	36.4	2583.5	2583.8	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
32	10900.00	89.30	89.19	100	8487.7	2683.8	37.8	2683.5	2683.8	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
33	11000.00	89.30	89.19	100	8488.9	2783.8	39.2	2783.5	2783.8	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
34	11100.00	89.30	89.19	100	8490.1	2883.7	40.6	2883.5	2883.7	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
35	11200.00	89.30	89.19	100	8491.4	2983.7	42.0	2983.4	2983.7	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
36	11300.00	89.30	89.19	100	8492.6	3083.7	43.4	3083.4	3083.7	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
37	11400.00	89.30	89.19	100	8493.8	3183.7	44.8	3183.4	3183.7	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
38	11500.00	89.30	89.19	100	8495.0	3283.7	46.2	3283.4	3283.7	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
39	11600.00	89.30	89.19	100	8496.2	3383.7	47.6	3383.4	3383.7	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
40	11700.00	89.30	89.19	100	8497.4	3483.7	49.1	3483.4	3483.7	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
41	11800.00	89.30	89.19	100	8498.6	3583.7	50.5	3583.3	3583.7	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
42	11900.00	89.30	89.19	100	8499.9	3683.7	51.9	3683.3	3683.7	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
43	12000.00	89.30	89.19	100	8501.1	3783.7	53.3	3783.3	3783.7	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
44	12100.00	89.30	89.19	100	8502.3	3883.7	54.7	3883.3	3883.7	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
45	12200.00	89.30	89.19	100	8503.5	3983.7	56.1	3983.3	3983.7	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
46	12300.00	89.30	89.19	100	8504.7	4083.7	57.5	4083.3	4083.7	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
47	12400.00	89.30	89.19	100	8505.9	4183.6	58.9	4183.2	4183.6	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
48	12500.00	89.30	89.19	100	8507.2	4283.6	60.3	4283.2	4283.6	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
49	12600.00	89.30	89.19	100	8508.4	4383.6	61.7	4383.2	4383.6	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
50	12700.00	89.30	89.19	100	8509.6	4483.6	63.1	4483.2	4483.6	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
51	12800.00	89.30	89.19	100	8510.8	4583.6	64.5	4583.2	4583.6	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
52	12900.00	89.30	89.19	100	8512.0	4683.6	66.0	4683.1	4683.6	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
53	13000.00	89.30	89.19	100	8513.2	4783.6	67.4	4783.1	4783.6	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
54	13100.00	89.30	89.19	100	8514.5	4883.6	68.8	4883.1	4883.6	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
55	13200.00	89.30	89.19	100	8515.7	4983.6	70.2	4983.1	4983.6	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10
56	13300.00	89.30	89.19	100	8516.9	5083.6	71.6	5083.1	5083.6	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56 1E-10

57	13400.00	89.30	89.19	100	8518.1	5183.6	73.0	5183.1	5183.6	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
58	13500.00	89.30	89.19	100	8519.3	5283.6	74.4	5283.0	5283.6	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
59	13600.00	89.30	89.19	100	8520.5	5383.6	75.8	5383.0	5383.6	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
60	13700.00	89.30	89.19	100	8521.7	5483.6	77.2	5483.0	5483.6	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
61	13800.00	89.30	89.19	100	8523.0	5583.5	78.6	5583.0	5583.5	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
62	13900.00	89.30	89.19	100	8524.2	5683.5	80.0	5683.0	5683.5	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
63	14000.00	89.30	89.19	100	8525.4	5783.5	81.4	5783.0	5783.5	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
64	14100.00	89.30	89.19	100	8526.6	5883.5	82.9	5882.9	5883.5	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
65	14200.00	89.30	89.19	100	8527.8	5983.5	84.3	5982.9	5983.5	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
66	14300.00	89.30	89.19	100	8529.0	6083.5	85.7	6082.9	6083.5	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
67	14400.00	89.30	89.19	100	8530.3	6183.5	87.1	6182.9	6183.5	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
68	14500.00	89.30	89.19	100	8531.5	6283.5	88.5	6282.9	6283.5	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
69	14600.00	89.30	89.19	100	8532.7	6383.5	89.9	6382.9	6383.5	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
70	14700.00	89.30	89.19	100	8533.9	6483.5	91.3	6482.8	6483.5	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
71	14800.00	89.30	89.19	100	8535.1	6583.5	92.7	6582.8	6583.5	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
72	14900.00	89.30	89.19	100	8536.3	6683.5	94.1	6682.8	6683.5	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
73	15000.00	89.30	89.19	100	8537.5	6783.5	95.5	6782.8	6783.5	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
74	15100.00	89.30	89.19	100	8538.8	6883.4	96.9	6882.8	6883.4	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
75	15200.00	89.30	89.19	100	8540.0	6983.4	98.3	6982.7	6983.4	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
76	15300.00	89.30	89.19	100	8541.2	7083.4	99.7	7082.7	7083.4	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
77	15400.00	89.30	89.19	100	8542.4	7183.4	101.2	7182.7	7183.4	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
78	15500.00	89.30	89.19	100	8543.6	7283.4	102.6	7282.7	7283.4	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
79	15600.00	89.30	89.19	100	8544.8	7383.4	104.0	7382.7	7383.4	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
80	15700.00	89.30	89.19	100	8546.1	7483.4	105.4	7482.7	7483.4	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
81	15800.00	89.30	89.19	100	8547.3	7583.4	106.8	7582.6	7583.4	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
82	15900.00	89.30	89.19	100	8548.5	7683.4	108.2	7682.6	7683.4	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
83	16000.00	89.30	89.19	100	8549.7	7783.4	109.6	7782.6	7783.4	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
84	16100.00	89.30	89.19	100	8550.9	7883.4	111.0	7882.6	7883.4	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
85	16200.00	89.30	89.19	100	8552.1	7983.4	112.4	7982.6	7983.4	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
86	16300.00	89.30	89.19	100	8553.4	8083.4	113.8	8082.6	8083.4	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
87	16400.00	89.30	89.19	100	8554.6	8183.4	115.2	8182.5	8183.4	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
88	16500.00	89.30	89.19	100	8555.8	8283.3	116.6	8282.5	8283.3	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
89	16600.00	89.30	89.19	100	8557.0	8383.3	118.1	8382.5	8383.3	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
90	16700.00	89.30	89.19	100	8558.2	8483.3	119.5	8482.5	8483.3	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
91	16800.00	89.30	89.19	100	8559.4	8583.3	120.9	8582.5	8583.3	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
92	16900.00	89.30	89.19	100	8560.6	8683.3	122.3	8682.5	8683.3	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
93	17000.00	89.30	89.19	100	8561.9	8783.3	123.7	8782.4	8783.3	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
94	17100.00	89.30	89.19	100	8563.1	8883.3	125.1	8882.4	8883.3	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
95	17200.00	89.30	89.19	100	8564.3	8983.3	126.5	8982.4	8983.3	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
96	17300.00	89.30	89.19	100	8565.5	9083.3	127.9	9082.4	9083.3	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
97	17400.00	89.30	89.19	100	8566.7	9183.3	129.3	9182.4	9183.3	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
98	17500.00	89.30	89.19	100	8567.9	9283.3	130.7	9282.4	9283.3	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
99	17600.00	89.30	89.19	100	8569.2	9383.3	132.1	9382.3	9383.3	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
100	17700.00	89.30	89.19	100	8570.4	9483.3	133.5	9482.3	9483.3	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
101	17800.00	89.30	89.19	100	8571.6	9583.2	134.9	9582.3	9583.2	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
102	17900.00	89.30	89.19	100	8572.8	9683.2	136.4	9682.3	9683.2	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
103	18000.00	89.30	89.19	100	8574.0	9783.2	137.8	9782.3	9783.2	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
104	18100.00	89.30	89.19	100	8575.2	9883.2	139.2	9882.2	9883.2	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
105	18200.00	89.30	89.19	100	8576.5	9983.2	140.6	9982.2	9983.2	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
106	18300.00	89.30	89.19	100	8577.7	10083.2	142.0	10082.2	10083.2	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
107	18400.00	89.30	89.19	100	8578.9	10183.2	143.4	10182.2	10183.2	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
108	18500.00	89.30	89.19	100	8580.1	10283.2	144.8	10282.2	10283.2	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
109	18600.00	89.30	89.19	100	8581.3	10383.2	146.2	10382.2	10383.2	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
110	18700.00	89.30	89.19	100	8582.5	10483.2	147.6	10482.1	10483.2	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
111	18800.00	89.30	89.19	100	8583.7	10583.2	149.0	10582.1	10583.2	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
112	18900.00	89.30	89.19	100	8585.0	10683.2	150.4	10682.1	10683.2	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
113	19000.00	89.30	89.19	100	8586.2	10783.2	151.8	10782.1	10783.2	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
114	19100.00	89.30	89.19	100	8587.4	10883.2	153.3	10882.1	10883.2	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
115	19200.00	89.30	89.19	100	8588.6	10983.1	154.7	10982.1	10983.1	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
116	19300.00	89.30	89.19	100	8589.8	11083.1	156.1	11082.0	11083.1	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
117	19400.00	89.30	89.19	100	8591.0	11183.1	157.5	11182.0	11183.1	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
118	19500.00	89.30	89.19	100	8592.3	11283.1	158.9	11282.0	11283.1	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
119	19700.00	89.30	89.19	200	8594.7	11483.1	161.7	11482.0	11483.1	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
120	19800.00	89.30	89.19	100	8595.9	11583.1	163.1	11582.0	11583.1	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
121	19900.00	89.30	89.19	100	8597.1	11683.1	164.5	11681.9	11683.1	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
122	20000.00	89.30	89.19	100	8598.3	11783.1	165.9	11781.9	11783.1	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10

130	20800.00	89.30	89.19	100	8608.1	12583.0	177.2	12581.8	12583.0	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
131	20900.00	89.30	89.19	100	8609.3	12683.0	178.6	12681.8	12683.0	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
132	21000.00	89.30	89.19	100	8610.5	12783.0	180.0	12781.7	12783.0	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
133	21100.00	89.30	89.19	100	8611.7	12883.0	181.4	12881.7	12883.0	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
134	21200.00	89.30	89.19	100	8612.9	12983.0	182.8	12981.7	12983.0	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
135	21300.00	89.30	89.19	100	8614.1	13083.0	184.2	13081.7	13083.0	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
136	21400.00	89.30	89.19	100	8615.4	13183.0	185.6	13181.7	13183.0	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
137	21500.00	89.30	89.19	100	8616.6	13283.0	187.0	13281.7	13283.0	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
138	21600.00	89.30	89.19	100	8617.8	13383.0	188.5	13381.6	13383.0	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
139	21700.00	89.30	89.19	100	8619.0	13483.0	189.9	13481.6	13483.0	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
140	21800.00	89.30	89.19	100	8620.2	13583.0	191.3	13581.6	13583.0	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
141	21900.00	89.30	89.19	100	8621.4	13682.9	192.7	13681.6	13682.9	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
142	22000.00	89.30	89.19	100	8622.6	13782.9	194.1	13781.6	13782.9	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
143	22100.00	89.30	89.19	100	8623.9	13882.9	195.5	13881.6	13882.9	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
144	22200.00	89.30	89.19	100	8625.1	13982.9	196.9	13981.5	13982.9	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
145	22300.00	89.30	89.19	100	8626.3	14082.9	198.3	14081.5	14082.9	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
146	22400.00	89.30	89.19	100	8627.5	14182.9	199.7	14181.5	14182.9	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
147	22500.00	89.30	89.19	100	8628.7	14282.9	201.1	14281.5	14282.9	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
148	22600.00	89.30	89.19	100	8629.9	14382.9	202.5	14381.5	14382.9	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
149	22700.00	89.30	89.19	100	8631.2	14482.9	203.9	14481.5	14482.9	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
150	22800.00	89.30	89.19	100	8632.4	14582.9	205.4	14581.4	14582.9	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
151	22900.00	89.30	89.19	100	8633.6	14682.9	206.8	14681.4	14682.9	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
152	23000.00	89.30	89.19	100	8634.8	14782.9	208.2	14781.4	14782.9	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
153	23100.00	89.30	89.19	100	8636.0	14882.9	209.6	14881.4	14882.9	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
154	23200.00	89.30	89.19	100	8637.2	14982.9	211.0	14981.4	14982.9	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
155	23300.00	89.30	89.19	100	8638.5	15082.8	212.4	15081.3	15082.8	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
156	23400.00	89.30	89.19	100	8639.7	15182.8	213.8	15181.3	15182.8	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
157	23500.00	89.30	89.19	100	8640.9	15282.8	215.2	15281.3	15282.8	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10
158	23511.80	89.30	89.19	11.801	8641.0	15294.6	215.4	15293.1	15294.6	89.2	0.0	0.0	8455.1	6.9	1.55863888	1.56	1E-10

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

**APPLICATIONS OF MEWBOURNE OIL
COMPANY FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO.**

Case Nos. 22727 & 22728

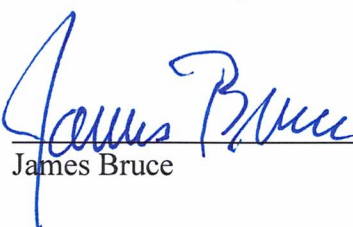
SELF-AFFIRMED STATEMENT OF NOTICE

COUNTY OF SANTA FE)
) ss.
STATE OF NEW MEXICO)

James Bruce deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am an attorney for Mewbourne Oil Company.
3. Mewbourne Oil Company has conducted a good faith, diligent effort to find the names and correct addresses of the interest owners entitled to receive notice of the applications filed herein.
4. Notice of the applications was provided to the interest owners, at their last known addresses, by certified mail. Copies of the notice letter and certified return receipts are attached hereto as Attachment A.
5. Applicant has complied with the notice provisions of Division Rules.
6. I understand that this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 5 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

Date: 6/14/22


James Bruce

EXHIBIT

4

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone)
(505) 660-6612 (Cell)
(505) 982-2151 (Fax)

jamesbruc@aol.com

ATTACHMENT

A

May 26, 2022

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

Ladies and gentlemen:

Enclosed are copies of applications, filed with the New Mexico Oil Conservation Division by Mewbourne Oil Company, seeking orders requesting the following relief:

(i) Case No. 22727: Mewbourne Oil Company seeks an order pooling all uncommitted mineral interest owners in the Bone Spring formation underlying a 472.51-acre horizontal spacing unit comprised of Lot 1, NE/4NW/4, and N/2NE/4 (the N/2N/2) of Section 31, the N/2N/2 of Section 32, and the N/2N/2 of Section 33, Township 18 South, Range 29 East, NMPM. The unit will be dedicated to the Pavo Macho 31/33 B3DA Fed. Com. Well No. 2H. Applicant also requests approval of the proposed well unit overlapping the well unit for the following well:

Well Name	Well Unit	Operator
Pavo Macho 31/32 B2DA Fed. Com. Well No. 1H	N/2N/2 §31 & N/2N/2 §32	Applicant

(ii) Case No. 22728: Mewbourne Oil Company seeks an order pooling all uncommitted mineral interest owners in the Bone Spring formation underlying a 472.66-acre horizontal spacing unit comprised of Lot 2, SE/4NW/4, and S/2NE/4 (the S/2N/2) of Section 31, the S/2N/2 of Section 32, and the S/2N/2 of Section 33, Township 18 South, Range 29 East, NMPM. The unit will be dedicated to the Pavo Macho 31/33 B3EH Fed. Com. Well No. 2H. Applicant also requests approval of the proposed well unit overlapping the well unit for the following well:

Well Name	Well Unit	Operator
Pavo Macho 31/32 B2EH Fed. Com. Well No. 1H	S/2N/2 §31 & S/2N/2 §32	Applicant

These matters are scheduled for hearing at 8:15 a.m. on June 16, 2022. During the COVID-19 Public Health Emergency, state buildings are closed to the public and the hearing will be conducted remotely. To determine the location of the hearing or to participate in an electronic hearing, go to emnrd.state.nm.us/OCD/hearings or see the instructions posted on the Division's website, <http://emnrd.state.nm.us/OCD/announcements.html>. You are not required to attend this

hearing, but as an owner of an interest who may be affected by the applications, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting these matters at a later date.

A party appearing in a Division case is required by Division Rules to file a Pre-Hearing Statement no later than Thursday, June 9, 2022. This statement may be filed online with the Division at ocd.hearings@state.nm.us, and should include: The name of the party and his or her attorney; a concise statement of the case; the name(s) of the witness(es) the party will call to testify at the hearing; the approximate time the party will need to present his or her case; and identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to the undersigned.

Very truly yours,



James Bruce

Attorney for Mewbourne Oil Company

EXHIBIT A

8 Way Oil & Gas, Inc.
P.O. Box 371
Midland, Texas 79702

Cimarex Energy Co.
600 Marienfeld Street, Suite 600
Midland, Texas 79701
Attn: Riley Morris

Earthstone Permian LLC
1400 Woodloch Forest Drive, Suite 300
The Woodlands, Texas 77380

EOG Resources, Inc.
5509 Champions Drive
Midland, Texas 79706
Attn: Brian Pond

Grace Smith
P.O. Box 1277
Andrews, Texas 79714

Kastman Oil Company
P.O. Box 5930
Lubbock, Texas 79417

Magnum Hunter Production, Inc.
600 Marienfeld Street, Suite 600
Midland, Texas 79701
Attn: Riley Morris

McCombs Energy Ltd.
750 East Mulberry Avenue, Suite 403
San Antonio, Texas 78212

The Estate of Nona Snow
P.O. Box 1277
Andrews, Texas 79714

Novo Oil & Gas Northern Delaware LLC
1001 West Wilshire Blvd., Suite 206
Oklahoma City, Oklahoma 73116

OXY USA WTP Limited Partnership
5 Greenway Plaza, Suite 110
P.O. Box 27570
Houston, Texas 77046-0521
Attn: Jonathan Gonzales

Peggy Guy, Todd Guy, and Kellye Lee Jones
as Co-Trustees of the P.J. Guy Family Trust
dated December 14, 1996, as amended by its
First Amendment dated November 17, 2000
10309 South 96th East Place
Tulsa, Oklahoma 74133

Snow Oil & Gas, Inc.
P.O. Box 1277
Andrews, Texas 79714

Trans-Ram, LLC
P.O. Box 1277
Andrews, Texas 79714

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT <i>Domestic Mail Only</i>		For delivery information, visit our website at www.usps.com® .	
OFFICIAL USE		Certified Mail Fee \$ _____	
Extra Services & Fees (check box, add fee as appropriate)		Postmark Here	
☐ Return Receipt (hardcopy)	\$ _____	_____ _____ _____ _____ _____	
☐ Return Receipt (electronic)	\$ _____		
☐ Certified Mail Restricted Delivery	\$ _____		
☐ Adult Signature Required	\$ _____		
☐ Adult Signature Restricted Delivery	\$ _____		
Postage \$ _____		Total Postage and Fees \$ _____	
Sent To _____		Kasman Oil Company P.O. Box 5930 Lubbock, Texas 79417	
Street and Apt. No., or P.O. _____		City, State, ZIP+4® _____	
PS Form 3800, April 2015 PSN 7530-02-000-9047			

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
1. Article Addressed to: Magnum Hunter Production, Inc. 600 Marienfeld Street, Suite 600 Midland, Texas 79701 2. Art	3. Service Type ☐ Adult Signature ☒ Certified Mail® ☐ Collect on Delivery ☐ Collect on Delivery Restricted Delivery ☐ Insured Mail ☐ Priority Mail Express® ☐ Registered Mail™ ☐ Registered Mail Restricted Delivery ☐ Signature Confirmation™ ☐ Signature Confirmation Restricted Delivery
3. Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits.	A. Signature X <u>[Signature]</u> ☐ Agent B. Received by (Printed Name) <u>AMELIA WALDO</u> ☐ Addressee C. Date of Delivery <u>6-1-2022</u> D. Is delivery address different from item 1? ☐ Yes ☐ No If YES, enter delivery address below:

7021 0950 0002 0372 2141

PS Form 3811, July 2020 PSN 7530-02-000-9053

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3.
 Print your name and address on the reverse so that we can return the card to you.
 Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:

BOG Resources, Inc.
 5509 Champions Drive
 Midland, Texas 79706

9590 9402 6746 1074 4072 02

7021 0950 0002 0368 1233

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☒ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes ☒ No
 If YES, enter delivery address below:

3. Service Type
☐ Priority Mail Express®
☐ Registered Mail™
☐ Adult Signature Restricted Delivery
☐ Certified Mail®
☐ Signature Confirmation™
☐ Signature Confirmation™ Restricted Delivery

4. Is delivery address different from item 1? ☐ Yes ☒ No
 If YES, enter delivery address below:

BOG Resources, Inc.
 5509 Champions Drive
 Midland, Texas 79706

7021 0950 0002 0368 1233

PS Form 3811, July 2020 PSN 7530-02-000-9053

U.S. Postal Service™
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OFFICIAL USE

Certified Mail Fee \$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$

☐ Return Receipt (electronic) \$

☐ Certified Mail Restricted Delivery \$

☐ Adult Signature Required \$

☐ Adult Signature Restricted Delivery \$

Postage \$

Total Postage and Fees \$

Sent To BOG Resources, Inc.
 5509 Champions Drive
 Midland, Texas 79706

Street and Apt. No., or PO Box

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3.
 Print your name and address on the reverse so that we can return the card to you.
 Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:

The Estate of Nona Snow
 P.O. Box 1277
 Andrews, Texas 79714

9590 9402 6746 1074 4072 02

7021 0950 0002 0372 2127

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☒ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes ☒ No
 If YES, enter delivery address below:

3. Service Type
☐ Priority Mail Express®
☐ Registered Mail™
☐ Adult Signature Restricted Delivery
☐ Certified Mail®
☐ Signature Confirmation™
☐ Signature Confirmation™ Restricted Delivery

4. Is delivery address different from item 1? ☐ Yes ☒ No
 If YES, enter delivery address below:

The Estate of Nona Snow
 P.O. Box 1277
 Andrews, Texas 79714

7021 0950 0002 0372 2127

PS Form 3811, July 2020 PSN 7530-02-000-9053

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Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$

☐ Return Receipt (electronic) \$

☐ Certified Mail Restricted Delivery \$

☐ Adult Signature Required \$

☐ Adult Signature Restricted Delivery \$

Postage \$

Total Postage and Fees \$

Sent To The Estate of Nona Snow
 P.O. Box 1277
 Andrews, Texas 79714

Street and Apt. No., or PO Box

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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Certified Mail Fee \$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$

☐ Return Receipt (electronic) \$

☐ Certified Mail Restricted Delivery \$

☐ Adult Signature Required \$

☐ Adult Signature Restricted Delivery \$

Postage \$

Total Postage and Fees \$

Sent To Snow Oil & Gas, Inc.
P.O. Box 1277
Andrews, Texas 79714

Street and Apt. No., or PO Box Andrews, Texas 79714

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

0802 22ED 2000 0560 7202

SENDER: COMPLETE THIS SECTION

■ Complete items 1, 2, and 3.
■ Print your name and address on the reverse so that we can return the card to you.
■ Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Grace Smith
P.O. Box 1277
Andrews, Texas 79714

2. Article

7021 0950 0002 0372 2165

PS Form 3811, July 2020 PSN 7530-02-000-9053

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☒ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery 6-6-22

D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

3. Service Type

☐ Priority Mail Express®

☐ Registered Mail™

☐ Adult Signature Restricted Delivery

☒ Certified Mail®

☐ Signature Confirmation™

☐ Collect on Delivery Restricted Delivery

☐ Collect on Delivery Restricted Delivery

☐ Collect on Delivery Restricted Delivery

Postmark Here

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

5972 22ED 2000 0560 7202

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OFFICIAL USE

Certified Mail Fee \$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$

☐ Return Receipt (electronic) \$

☐ Certified Mail Restricted Delivery \$

☐ Adult Signature Required \$

☐ Adult Signature Restricted Delivery \$

Postage \$

Total Postage and Fees \$

Sent To Grace Smith
P.O. Box 1277
Andrews, Texas 79714

Street and Apt. No., or PO Box No.

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

■ Complete items 1, 2, and 3.
■ Print your name and address on the reverse so that we can return the card to you.
■ Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Snow Oil & Gas, Inc.
P.O. Box 1277
Andrews, Texas 79714

2. Article Number

9590 9402 6746 1074 4071 65

7021 0950 0002 0372 2080

PS Form 3811, July 2020 PSN 7530-02-000-9053

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☒ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery 6-6-22

D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

3. Service Type

☐ Priority Mail Express®

☐ Registered Mail™

☐ Adult Signature Restricted Delivery

☒ Certified Mail®

☐ Signature Confirmation™

☐ Collect on Delivery Restricted Delivery

☐ Collect on Delivery Restricted Delivery

☐ Collect on Delivery Restricted Delivery

Postmark Here

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Postmark Here

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☒ Agent ☐ Addressee

B. Received by (Printed Name) 6-6-22

C. Date of Delivery 6-6-22

D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postage \$

Total Postage and Fees \$

Sent To OXY USA WTP Limited Partnership
5 Greenway Plaza, Suite 110
P.O. Box 27570
Houston, Texas 77046-0521

Street and Apt. No., or PO Box
City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

E0T2 22ED 2000 0560 T202

SENDER: COMPLETE THIS SECTION

■ Complete items 1, 2, and 3.
■ Print your name and address on the reverse so that we can return the card to you.
■ Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Trans-Ram, LLC
P.O. Box 1277
Andrews, Texas 79714

9590 9402 6746 1074 4071 89

2. Article 7021 0950 0002 0372 2103

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☒ Agent ☐ Addressee

B. Received by (Printed Name) 6-6-22

C. Date of Delivery 6-6-22

D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

3. Service Type

☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☒ Certified Mail®
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery
☐ Collect on Delivery

Postage \$

Total Postage and Fees \$

Sent To OXY USA WTP Limited Partnership
5 Greenway Plaza, Suite 110
P.O. Box 27570
Houston, Texas 77046-0521

Street and Apt. No., or PO Box
City, State, ZIP+4®

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SENDER: COMPLETE THIS SECTION

■ Complete items 1, 2, and 3.
■ Print your name and address on the reverse so that we can return the card to you.
■ Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

OXY USA WTP Limited Partnership
5 Greenway Plaza, Suite 110
P.O. Box 27570
Houston, Texas 77046-0521
Attn: Insurance Coordinator

9590 9402 6746 1074 4071 89

2. Article 7021 0950 0002 0372 2103

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☒ Agent ☐ Addressee

B. Received by (Printed Name) 6-6-22

C. Date of Delivery 6-6-22

D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

3. Service Type

☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☒ Certified Mail®
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery
☐ Collect on Delivery

Postage \$

Total Postage and Fees \$

Sent To OXY USA WTP Limited Partnership
5 Greenway Plaza, Suite 110
P.O. Box 27570
Houston, Texas 77046-0521

Street and Apt. No., or PO Box
City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

E202 22ED 2000 0560 T202

SENDER: COMPLETE THIS SECTION

■ Complete items 1, 2, and 3.
 ■ Print your name and address on the reverse so that we can return the card to you.
 ■ Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Novo Oil & Gas Northern Delaware LLC
 1001 West Wilshire Blvd., Suite 206
 Oklahoma City, Oklahoma 73116

2. Article Addressed to:

7021 0950 0002 0372 2110

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature *[Signature]* ☒ Agent ☐ Addressee

B. Received by (Printed Name) *[Signature]* C. Date of Delivery *[Signature]*

D. Is delivery address different from item 1? ☐ Yes ☐ No
 If YES, enter delivery address below:

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery

Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

Insured Mail (over \$500)

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

■ Complete items 1, 2, and 3.
 ■ Print your name and address on the reverse so that we can return the card to you.
 ■ Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Earthstone Permian LLC
 1400 Woodloch Forest Drive, Suite 300
 The Woodlands, Texas 77380

2. Article Addressed to:

9590 9402 6746 1074 4072 64

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature *[Signature]* ☒ Agent ☐ Addressee

B. Received by (Printed Name) *[Signature]* C. Date of Delivery *[Signature]*

D. Is delivery address different from item 1? ☐ Yes ☐ No
 If YES, enter delivery address below:

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery

Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

Insured Mail (over \$500)

Domestic Return Receipt

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Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$

☐ Return Receipt (electronic) \$

☐ Certified Mail Restricted Delivery \$

☐ Adult Signature Required \$

☐ Adult Signature Restricted Delivery \$

Postage \$

Total Postage and Fees \$

Sent To Novo Oil & Gas Northern Delaware LLC
 1001 West Wilshire Blvd., Suite 206
 Oklahoma City, Oklahoma 73116

Street and Apt. No., or P.O. Box

City, State, ZIP+4®

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Certified Mail Fee \$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$

☐ Return Receipt (electronic) \$

☐ Certified Mail Restricted Delivery \$

☐ Adult Signature Required \$

☐ Adult Signature Restricted Delivery \$

Postage \$

Total Postage and Fees \$

Sent To Earthstone Permian LLC
 1400 Woodloch Forest Drive, Suite 300
 The Woodlands, Texas 77380

Street and Apt. No., or P.O. Box

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7021 0950 0002 0367 5638

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Certified Mail Fee \$	Postmark Here
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy) \$	
☐ Return Receipt (electronic) \$	
☐ Certified Mail Restricted Delivery \$	
☐ Adult Signature Required \$	
☐ Adult Signature Restricted Delivery \$	
Postage \$	
Total Postage and Fees \$	
Sent To 8 Way Oil & Gas, Inc. P.O. Box 371 Street and Apt. No., or PO Box No. Midland, Texas 79702 City, State, ZIP+4®	

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7021 0950 0002 0372 2134

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OFFICIAL USE

Certified Mail Fee \$	Postmark Here
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy) \$	
☐ Return Receipt (electronic) \$	
☐ Certified Mail Restricted Delivery \$	
☐ Adult Signature Required \$	
☐ Adult Signature Restricted Delivery \$	
Postage \$	
Total Postage and Fees \$	
Sent To McCombs Energy Ltd. 750 East Mulberry Avenue, Suite 403 San Antonio, Texas 78212 Street and Apt. No., or PO Box No. City, State, ZIP+4®	

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

Carlsbad Current Argus.

PART OF THE USA TODAY NETWORK

Affidavit of Publication

Ad # 0005243727

This is not an invoice

JAMES BRUCE ATTORNEY AT LAW
POBOX 1056

SANTA FE, NM 87504

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

05/05/2022



Legal Clerk

Subscribed and sworn before me this May 5, 2022:



State of WI, County of Brown
NOTARY PUBLIC

1-7-25

My commission expires

KATHLEEN ALLEN
Notary Public
State of Wisconsin

Ad # 0005243727
PO #: 5243727
of Affidavits 1

This is not an invoice

NOTICE

To: 8 Way Oil & Gas, Inc., Cimarex Energy Co., Earthstone Permian LLC, EOG Resources, Inc., Grace Smith, Kastman Oil Company, Magnum Hunter Production, Inc., McCombs Energy Ltd., Nona Snow, Novo Oil & Gas Northern Delaware LLC, OXY USA WTP Limited Partnership, Peggy Guy, Todd Guy, and Kellye Lee Jones as Co-Trustees of the P.J. Guy Family Trust dated December 14, 1996, as amended, Snow Oil & Gas, Inc., and Trans-Ram, LLC, or your heirs, devisees, successors, or assigns: Mewbourne Oil Company has filed two applications with the New Mexico Oil Conservation Division, seeking orders pooling all uncommitted mineral interest owners in the Bone Spring formation underlying horizontal spacing units comprised of:

(i) Case 22727: Lot 1, NE/4NW/4, and N/2NE/4 (the N/2N/2) of Section 31, the N/2N/2 of Section 32, and the N/2N/2 of Section 33, Township 18 South, Range 29 East, NMPM. The unit will be dedicated to the Pavo Macho 31/33 B3DA Fed. Com. Well No. 2H. Applicant also requests approval of the proposed well unit overlapping the well unit for the following well:

Well Name	Well Unit	Operator
Pavo Macho 31/32 B3DA Fed. Com. Well No. 1H		
N/2N/2 §31 & N/2N/2 §32	Applicant	

(ii) Case 22728: Lot 2, SE/4NW/4, and S/2NE/4 (the S/2N/2) of Section 31, the S/2N/2 of Section 32, and the S/2N/2 of Section 33, Township 18 South, Range 29 East, NMPM. The unit will be dedicated to the Pavo Macho 31/33 B3EH Fed. Com. Well No. 2H. Applicant also requests approval of the proposed well unit overlapping the well unit for the following well:

Well Name	Well Unit	Operator
Pavo Macho 31/32 B2EH Fed. Com. Well No. 1H		
S/2N/2 §32	Applicant	

Also to be considered will be the cost of drilling, completing, and equipping the wells and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells, and a 200% charge for the risk involved in drilling, completing, and equipping the wells. This matter is scheduled for hearing at 8:15 a.m. on Thursday, May 19, 2022. During the COVID-19 Public Health Emergency, state buildings are closed to the public and the hearing will be conducted remotely. To determine the location of the hearing or to participate in an electronic hearing, go to emnrd.state.nm.us/OCD/hearings or see the instructions posted on the Division's website, <http://emnrd.state.nm.us/OCD/announcements.html>. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. A party appearing in a Division case is required by Division Rules to file a Pre-Hearing Statement no later than Thursday, May 12, 2022. This statement may be filed online with the Division at ocd.hearings@state.nm.us. Failure to appear at that time and become a party of record will preclude you from contesting these matters at a later date. The attorney for applicant is James Bruce, P.O. Box 1056, Santa Fe, New Mexico 87504, jamesbruc@aol.com. The units are located approximately 11 miles southwest of Loco Hills, New Mexico.

#5243727, Current Argus, May 5, 2022

EXHIBIT 5

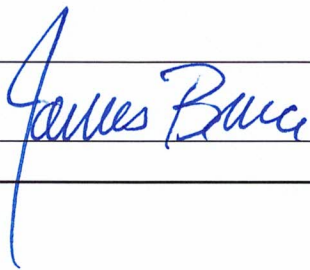
COMPULSORY POOLING APPLICATION CHECKLIST**ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS**

Case:	22727
Date	June 16, 2022
Applicant	Mewbourne Oil Company
Designated Operator & OGRID (affiliation if applicable)	Mewbourne Oil Company/OGRID No. 14744
Applicant's Counsel:	James Bruce
Case Title:	Application of Mewbourne Oil Company for Compulsory Pooling, Eddy County, New Mexico
Entries of Appearance/Intervenors:	
Well Family	Pavo Macho Bone Spring wells
Formation/Pool	
Formation Name(s) or Vertical Extent:	Bone Spring Formation
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Entire Bone Spring formation
Pool Name and Pool Code:	
Well Location Setback Rules:	Current horizontal well rules
Spacing Unit Size:	Quarter-quarter sections/40 acres
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	480 acres
Building Blocks:	40 acres
Orientation:	West-East
Description: TRS/County	N/2N/2 §31, N/2N/2 §32, and N/2N/2 §33-18S-29E, NMPM, Eddy County
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes
Other Situations	
Depth Severance: Y/N. If yes, description	No
Proximity Tracts: If yes, description	No
Proximity Defining Well: if yes, description	
Applicant's Ownership in Each Tract	
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Pavo Macho 31/33 B3DA Fed. Com. Well No. 2H API No. 30-015-Pending SHL: 860 FNL & 185 FWL §31 BHL: 660 FNL & 100 FEL §33 FTP: 660 FNL & 100 FWL §31 LTP: 660 FNL & 100 FEL §33 Third Bone Spring/TVD 8640 feet/MD 23520 feet

EXHIBIT

6

Horizontal Well First and Last Take Points	See above
Completion Target (Formation, TVD and MD)	See above
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$8000
Production Supervision/Month \$	\$800
Justification for Supervision Costs	Exhibit 2
Requested Risk Charge	Exhibit 2
Notice of Hearing	
Proposed Notice of Hearing	Exhibit 1
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit 4
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit 5
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit 2-B
Tract List (including lease numbers and owners)	Exhibit 2-B
Pooled Parties (including ownership type)	Exhibit 2-B
Unlocatable Parties to be Pooled	
Ownership Depth Severance (including percentage above & below)	None
Joinder	
Sample Copy of Proposal Letter	Exhibit 2--C
List of Interest Owners (<i>i.e.</i> Exhibit A of JOA)	Exhibit 2-B
Chronology of Contacts with Non-Joined Working Interests	Exhibit 2-C
Overhead Rates In Proposal Letter	
Cost Estimate to Drill and Complete	Exhibit 2-D
Cost Estimate to Equip Well	Exhibit 2-D
Cost Estimate for Production Facilities	Exhibit 2-D
Geology	
Summary (including special considerations)	Exhibit 3
Spacing Unit Schematic	Exhibit 3-A
Gunbarrel/Lateral Trajectory Schematic	Exhibit 3-C
Well Orientation (with rationale)	Exhibit 3
Target Formation	Bone Spring
HSU Cross Section	Exhibit 3-C
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit 2-A

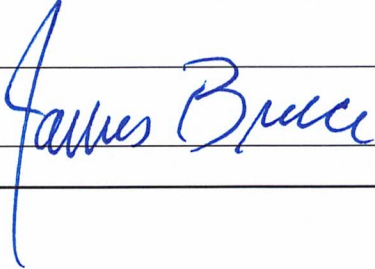
Tracts	Exhibit 2-B
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit 2-B
General Location Map (including basin)	Exhibit 2-A
Well Bore Location Map	Exhibit 2-A
Structure Contour Map - Subsea Depth	Exhibit 3-A
Cross Section Location Map (including wells)	Exhibit 3-A
Cross Section (including Landing Zone)	Exhibit 3-C
Additional Information	
CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.	
Printed Name (Attorney or Party Representative):	James Bruce
Signed Name (Attorney or Party Representative):	
Date:	June 14, 2022

COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case:	22728
Date	June 16, 2022
Applicant	Mewbourne Oil Company
Designated Operator & OGRID (affiliation if applicable)	Mewbourne Oil Company/OGRID No. 14744
Applicant's Counsel:	James Bruce
Case Title:	Application of Mewbourne Oil Company for Compulsory Pooling, Eddy County, New Mexico
Entries of Appearance/Intervenors:	
Well Family	Pavo Macho Bone Spring wells
Formation/Pool	
Formation Name(s) or Vertical Extent:	Bone Spring Formation
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Entire Bone Spring formation
Pool Name and Pool Code:	
Well Location Setback Rules:	Current horizontal well rules
Spacing Unit Size:	Quarter-quarter sections/40 acres
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	480 acres
Building Blocks:	40 acres
Orientation:	West-East
Description: TRS/County	S/2N/2 §31, S/2N/2 §32, and S/2N/2 §33-18S-29E, NMPPM, Eddy County
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes
Other Situations	
Depth Severance: Y/N. If yes, description	No
Proximity Tracts: If yes, description	No
Proximity Defining Well: if yes, description	
Applicant's Ownership in Each Tract	
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Pavo Macho 31/33 B3EH Fed. Com. Well No. 2H API No. 30-015-Pending SHL: 890 FNL & 185 FWL §31 BHL: 1980 FNL & 100 FEL §33 FTP: 1980 FNL & 100 FWL §31 LTP: 1980 FNL & 100 FEL §33 Third Bone Spring/TVD 8670 feet/MD 23550 feet

Horizontal Well First and Last Take Points	See above
Completion Target (Formation, TVD and MD)	See above
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$8000
Production Supervision/Month \$	\$800
Justification for Supervision Costs	Exhibit 2
Requested Risk Charge	Exhibit 2
Notice of Hearing	
Proposed Notice of Hearing	Exhibit 1
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit 4
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit 5
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit 2-B
Tract List (including lease numbers and owners)	Exhibit 2-B
Pooled Parties (including ownership type)	Exhibit 2-B
Unlocatable Parties to be Pooled	
Ownership Depth Severance (including percentage above & below)	None
Joinder	
Sample Copy of Proposal Letter	Exhibit 2--C
List of Interest Owners (<i>i.e.</i> Exhibit A of JOA)	Exhibit 2-B
Chronology of Contacts with Non-Joined Working Interests	Exhibit 2-C
Overhead Rates In Proposal Letter	
Cost Estimate to Drill and Complete	Exhibit 2-D
Cost Estimate to Equip Well	Exhibit 2-D
Cost Estimate for Production Facilities	Exhibit 2-D
Geology	
Summary (including special considerations)	Exhibit 3
Spacing Unit Schematic	Exhibit 3-A
Gunbarrel/Lateral Trajectory Schematic	Exhibit 3-C
Well Orientation (with rationale)	Exhibit 3
Target Formation	Bone Spring
HSU Cross Section	Exhibit 3-C
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit 2-A
Tracts	Exhibit 2-B
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit 2-B

General Location Map (including basin)	Exhibit 2-A
Well Bore Location Map	Exhibit 2-A
Structure Contour Map - Subsea Depth	Exhibit 3-A
Cross Section Location Map (including wells)	Exhibit 3-A
Cross Section (including Landing Zone)	Exhibit 3-C
Additional Information	
CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.	
Printed Name (Attorney or Party Representative):	James Bruce
Signed Name (Attorney or Party Representative):	
Date:	June 14, 2022