

CASE NO. 21497 and 21498

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

MEWBOURNE OIL COMPANY'S EXHIBIT LIST

1. Applications and Proposed Ads
- 2A. Landman's Affidavit – Case 21497 (Brad Dunn)
- 2B. Landman's Affidavit – Case 21498 (Brad Dunn)
3. Geologist's Affidavit (Tyler Hill)
4. Notice Affidavit
5. Publication Affidavit
- 6A. Pooling Checklist – Case 21497
- 6B. Pooling Checklist – Case 21498

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

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

Case No. 21497

APPLICATION

Mewbourne Oil Company applies for an order pooling all mineral interests in the Wolfcamp formation underlying a horizontal spacing unit comprised of the N/2 of Section 23 and the N/2 of Section 24, Township 22 South, Range 27 East, N.M.P.M., Eddy County, New Mexico, and in support thereof, states:

1. Applicant is an interest owner in the N/2 of Section 23 and the N/2 of Section 24, and has the right to drill a well or wells thereon.

2. Applicant proposes to drill the following wells to a depth sufficient to test the Wolfcamp formation:

(a) The Tommy Boy 23/24 W0EH Fed. Com. Well No. 1H, with a first take point in the SW/4NW/4 of 23 and a last take point in the SE/4NE/4 of Section 24; and

(b) The Tommy Boy 23/24 W0DA Fed. Com. Well No. 1H, with a first take point in the NW/4NW/4 of 23 and a last take point in the NE/4NE/4 of Section 24.

The N/2 of Section 23 and the N/2 of Section 24 will be dedicated to the wells.

3. Applicant has in good faith sought to obtain the voluntary joinder of all other mineral interest owners in the N/2 of Section 23 and the N/2 of Section 24 for the purposes set forth herein.

4. Although applicant attempted to obtain voluntary agreements from all mineral interest owners to participate in the drilling of the wells or to otherwise commit their interests to

EXHIBIT

the wells, certain interest owners have failed or refused to join in dedicating their interests. Therefore, applicant seeks an order pooling all mineral interest owners in the Wolfcamp formation underlying the N/2 of Section 23 and the N/2 of Section 24, pursuant to NMSA 1978 §§70-2-17.

5. The pooling of all mineral interests in the Wolfcamp formation underlying the N/2 of Section 23 and the N/2 of Section 24 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 mineral interests in the Wolfcamp formation underlying the N/2 of Section 23 and the N/2 of Section 24;
- B. Designating applicant as operator of the wells;
- C. Considering the cost of drilling, completing, and equipping the wells, and allocating the cost among the wells' 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 wells in the event a working interest owner elects not to participate in the wells.

Respectfully submitted,

COPY

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

Attorney for Mewbourne Oil Company

Case No. _____:

Application of Mewbourne Oil Company for compulsory pooling, Eddy County, New Mexico.

Mewbourne Oil Company seeks an order pooling all mineral interests in the Wolfcamp formation underlying a horizontal spacing unit comprised of the N/2 of Section 23 and the N/2 of Section 24, Township 22 South, Range 27 East, NMPM. The unit will be dedicated to (a) The Tommy Boy 23/24 W0EH Fed. Com. Well No. 1H, with a first take point in the SW/4NW/4 of 23 and a last take point in the SE/4NE/4 of Section 24, and (b) The Tommy Boy 23/24 W0DA Fed. Com. Well No. 1H, with a first take point in the NW/4NW/4 of 23 and a last take point in the NE/4NE/4 of Section 24. 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. The unit is located approximately 2-1/2 miles north-northeast of Otis, New Mexico.

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

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

Case No. 21498

APPLICATION

Mewbourne Oil Company applies for an order pooling all mineral interests in the Wolfcamp formation underlying a horizontal spacing unit comprised of the S/2 of Section 23 and the S/2 of Section 24, Township 22 South, Range 27 East, N.M.P.M., Eddy County, New Mexico, and in support thereof, states:

1. Applicant is an interest owner in the S/2 of Section 23 and the S/2 of Section 24, and has the right to drill a well or wells thereon.

2. Applicant proposes to drill the following wells to a depth sufficient to test the Wolfcamp formation:

(a) The Tommy Boy 23/24 W0LI Fee Well No. 1H, with a first take point in the NW/4SW/4 of 23 and a last take point in the NE/4SE/4 of Section 24; and

(b) The Tommy Boy 23/24 W0MP Fee Well No. 1H, with a first take point in the SW/4SW/4 of 23 and a last take point in the SE/4SE/4 of Section 24.

The S/2 of Section 23 and the S/2 of Section 24 will be dedicated to the wells.

3. Applicant has in good faith sought to obtain the voluntary joinder of all other mineral interest owners in the S/2 of Section 23 and the S/2 of Section 24 for the purposes set forth herein.

4. Although applicant attempted to obtain voluntary agreements from all mineral interest owners to participate in the drilling of the wells or to otherwise commit their interests to

the wells, certain interest owners have failed or refused to join in dedicating their interests. Therefore, applicant seeks an order pooling all mineral interest owners in the Wolfcamp formation underlying the S/2 of Section 23 and the S/2 of Section 24, pursuant to NMSA 1978 §§70-2-17.

5. The pooling of all mineral interests in the Wolfcamp formation underlying the S/2 of Section 23 and the S/2 of Section 24 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 mineral interests in the Wolfcamp formation underlying the S/2 of Section 23 and the S/2 of Section 24;
- B. Designating applicant as operator of the wells;
- C. Considering the cost of drilling, completing, and equipping the wells, and allocating the cost among the wells' 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 wells in the event a working interest owner elects not to participate in the wells.

Respectfully submitted,

COPY

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

Attorney for Mewbourne Oil Company

Case No. _____:

Application of Mewbourne Oil Company for compulsory pooling, Eddy County, New Mexico.

Mewbourne Oil Company seeks an order pooling all mineral interests in the Wolfcamp formation underlying a horizontal spacing unit comprised of the S/2 of Section 23 and the S/2 of Section 24, Township 22 South, Range 27 East, NMPM. The unit will be dedicated to (a) The Tommy Boy 23/24 W0LI Fee Well No. 1H, with a first take point in the NW/4SW/4 of 23 and a last take point in the NE/4SE/4 of Section 24, and (b) The Tommy Boy 23/24 W0MP Fee Well No. 1H, with a first take point in the SW/4SW/4 of 23 and a last take point in the SE/4SE/4 of Section 24. 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. The unit is located approximately 2 miles north-northeast of Otis, New Mexico.

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

**IN THE MATTER OF THE HEARING CALLED
BY THE OIL CONSERVATION DIVISION FOR
THE PURPOSE OF CONSIDERING:**

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

Case No. 21497

VERIFIED STATEMENT OF BRAD DUNN

Brad Dunn, being duly sworn upon his oath, 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 NMAC 19.15.4.12.A(1), the following information is submitted in support of the compulsory pooling application filed herein:

(a) The purpose of this application is to force pool working interest and mineral owners into the Wolfcamp horizontal spacing unit 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 regarding the proposed wells but have simply refused to voluntarily commit their interests to the wells. Some interest owners are or may be unlocatable.

(c) A plat outlining the unit being pooled is attached hereto as Attachment A. Mewbourne seeks an order approving a 320.00-acre horizontal spacing unit in the Wolfcamp formation comprised of N/2 of Section 23 and the N/2 of Section 24, Township 22 South, Range 27 East, NMPM. Mewbourne further seeks the pooling of all mineral interests in the Wolfcamp formation underlying the unit. The unit will be dedicated to the Tommy Boy 23/24 W0DA Fed Com #1H & the Tommy Boy 23/24 W0EH Fed Com #1H wells. The referenced wells are horizontal wells. The Tommy Boy 23/24 W0DA Fed Com #1H has a first take point in Unit E of Section 23 and a final take point in Unit A of Section 24. The Tommy Boy 23/24 W0EH Fed Com #1H has a first take point in Unit H of Section 23 and a final take point in Unit A of Section 24.

(d) There are no depth severances in the Wolfcamp formation.

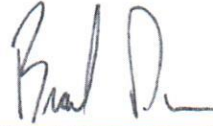
EXHIBIT 2A

- (e) The parties being pooled and their interests are set forth in Attachment B. Their current and correct addresses are also set forth. To find the unlocatable parties we examined county and government records, and also conducted internet searches including google and drillinginfo.
- (f) Attachment C contains a summary of contacts with the interest owners, together with copies of the proposal letters sent to them.
- (g) Mewbourne has made a good faith effort to obtain the voluntary joinder of the working interest and mineral owners in the proposed wells.
- (h) Mewbourne has the right to pool the overriding royalty owners in the well unit.
- (i) Attachment D is the Authorization for Expenditure for each proposed well. The estimated cost of the wells set forth therein are fair and reasonable, and are comparable to the costs of other wells of similar depth and length drilled in this area of Eddy County.
- (j) 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 portion 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.
- (k) Mewbourne requests that the maximum cost plus 200% risk charge be assessed against non-consenting working interest owners.
- (l) Applicant requests that it be designated operator of the wells.
- (m) The attachments to this affidavit were prepared by me or under my supervision, or compiled from company business records.
- (n) The granting of this application is in the interests of conservation and the prevention of waste.

VERIFICATION

STATE OF TEXAS)
) ss.
COUNTY OF MIDLAND)

Brad Dunn, being duly sworn upon his oath, deposes and states that: He is a landman for Mewbourne Oil Company; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of his knowledge, information, and belief.



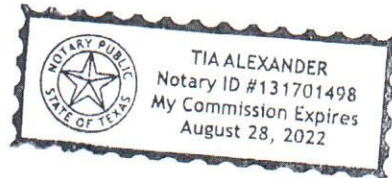
Brad Dunn

SUBSCRIBED AND SWORN TO before me this 29 day of October, 2020 by Brad Dunn.

My Commission Expires: 8-28-22



Notary Public



[illegible]

A

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name TOMMY BOY 23/24 WODA FED COM	⁶ Well Number 1H
⁷ OGRID NO.	⁸ Operator Name MEWBOURNE OIL COMPANY	⁹ Elevation 3101'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
H	22	22S	27E		2440	NORTH	580	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	24	22S	27E		400	NORTH	330	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

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

¹⁶ CORNER DATA NAD 83 GRID - NM EAST A: FOUND COTTON SPINDLE N 498664.1 - E 586815.6 B: FOUND 1/2" REBAR N 501324.2 - E 586807.0 C: FOUND ALUMINUM CAP "8510" N 503984.3 - E 586797.8 D: FOUND 1/2" REBAR N 504029.0 - E 589473.6 E: FOUND COTTON SPINDLE N 504073.7 - E 592149.6 F: CALCULATED CORNER N 504077.7 - E 594725.4 G: FOUND BRASS CAP "1916" N 504054.4 - E 602698.6 H: FOUND BRASS CAP "1943" N 501392.4 - E 602705.4 I: CALCULATED CORNER N: 498738.4 - E: 602695.4 GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION N: 501626.0 - E: 591549.9 LAT: 32.3789341° N LONG: 104.1706792° W GEODETIC DATA NAD 83 GRID - NM EAST BOTTOM HOLE N: 503655.9 - E: 586469.2 LAT: 32.3844640° N LONG: 104.1356184° W	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature _____ Date _____ Printed Name _____ E-mail Address _____ ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 08-21-2020 Date of Survey Signature and Seal of Professional Surveyor _____ 19680 Certificate Number PROFESSIONAL SURVEYOR NEW MEXICO 19680
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Job No.: LS20080375

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
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Submit one copy to appropriate
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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code		³ Pool Name					
⁴ Property Code		⁵ Property Name TOMMY BOY 23/24 WOEH FED COM						⁶ Well Number 1H	
⁷ OGRID NO.		⁸ Operator Name MEWBOURNE OIL COMPANY						⁹ Elevation 3101'	
¹⁰ Surface Location									
UL or lot no. H	Section 22	Township 22S	Range 27E	Lot Idn	Feet from the 2440	North/South line NORTH	Feet From the 550	East/West line EAST	County EDDY
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. H	Section 24	Township 22S	Range 27E	Lot Idn	Feet from the 1900	North/South line NORTH	Feet from the 330	East/West line EAST	County EDDY
¹² Dedicated Acres		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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

¹⁶ CORNER DATA NAD 83 GRID - NM EAST A: FOUND COTTON SPINDLE N 498664.1 - E 586815.6 B: FOUND 1/2" REBAR N 501324.2 - E 586807.0 C: FOUND ALUMINUM CAP "8510" N 503984.3 - E 586797.8 D: FOUND 1/2" REBAR N 504029.0 - E 589473.6 E: FOUND COTTON SPINDLE N 504073.7 - E 592149.6 F: CALCULATED CORNER N 504077.7 - E 594725.4 G: FOUND BRASS CAP "1916" N 504054.4 - E 602698.6 H: FOUND BRASS CAP "1943" N 501392.4 - E 602705.4 I: CALCULATED CORNER N: 498738.4 - E: 602695.4 GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION N: 501626.4 - E: 591579.9 LAT: 32.3789352° N LONG: 104.1705821° W GEODETIC DATA NAD 83 GRID - NM EAST BOTTOM HOLE N: 502156.3 - E: 602373.5 LAT: 32.3803417° N LONG: 104.1356149° W J: FOUND COTTON SPINDLE N 498808.9 - E 597511.8 K: FOUND 1/2" REBAR N 498779.4 - E 594771.2 L: FOUND 1/2" REBAR N 498726.7 - E 592104.6 M: FOUND 3/4" REBAR N 498695.4 - 589460.0 N: FOUND 1/2" REBAR N 501401.6 - E 592127.8 O: FOUND 1/2" IRON PIPE N 501449.6 - E 597426.6		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature _____ Date _____ Printed Name _____ E-mail Address _____
¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 08-21-2020 Date of Survey Signature and Seal of Professional Surveyor _____ 19680 Certificate Number		

Job No.: LS20080376

TRACT OWNERSHIP
Tommy Boy 23/24 W0DA Fed Com #1H & Tommy Boy 23/24 W0EH Fed Com #1H
Sections 23 (N/2) & 24 (N/2), T22S, R27E
Eddy County, New Mexico

Sections 23 (N/2) & 24 (N/2):
Wolfcamp formation:

	<u>% Leasehold Interest</u>
Mewbourne Oil Company, et al 500 West Texas, Ste. 1020 Midland, Texas 79701	44.488937%
* Kaiser-Francis Oil Company 6733 South Yale Avenue Tulsa, OK 74136	25.000000%
* OXY USA Inc. 5 Greenway Plaza, STE 110 Houston, TX 77046	12.500000%
* XTO Holdings, LLC 810 Houston Street Fort Worth, Texas 76102	6.250000%
* MRC Permian Company One Lincoln Centre 5400 LBJ Freeway, STE 1500 Dallas, TX 75240	4.687500%
* Tumbler Operating Partners, LLC 1701 River Run, STE 306 Fort Worth, Texas 76107	3.185219%
* Tumbler Energy Partners, LLC P.O. Box 50938 Midland, TX 79710	3.185219%
* Sklarco LLC 5395 Pearl Parkway STE 200 Boulder, CO 80301	0.392663%
* S & P Co. 330 Marshall Street, STE 300 Shreveport, LA 71101	0.171781%
* JJS WORKING INTERESTS LLC 4295 San Felipe, STE 207 Houston, TX 77027	0.138681%
	100.000000%

B
ATTACHMENT

*** Total interest being pooled: 55.511063%**

OWNERSHIP BY TRACT

N/2 SECTION 23

Mewbourne Oil Company, et al 500 West Texas, Ste. 1020 Midland, Texas 79701	76.477872%
* MRC Permian Company One Lincoln Centre 5400 LBJ Freeway, STE 1500 Dallas, TX 75240	9.375000%
* Tumbler Operating Partners, LLC 1701 River Run, STE 306 Fort Worth, Texas 76107	6.370439%
* Tumbler Energy Partners, LLC P.O. Box 50938 Midland, TX 79710	6.370439%
* Sklarco LLC 5395 Pearl Parkway STE 200 Boulder, CO 80301	0.785325%
* S & P Co. 330 Marshall Street, STE 300 Shreveport, LA 71101	0.343563%
* JJS WORKING INTERESTS LLC 4295 San Felipe, STE 207 Houston, TX 77027	0.277362%
	100.000000%

N/2 SECTION 24

Mewbourne Oil Company, et al 500 West Texas, Ste. 1020 Midland, Texas 79701	12.500000%
* Kaiser-Francis Oil Company 6733 South Yale Avenue Tulsa, OK 74136	50.000000%

* OXY USA Inc.
5 Greenway Plaza, STE 110
Houston, TX 77046

25.000000%

* XTO Holdings, LLC
810 Houston Street
Fort Worth, Texas 76102

12.500000%

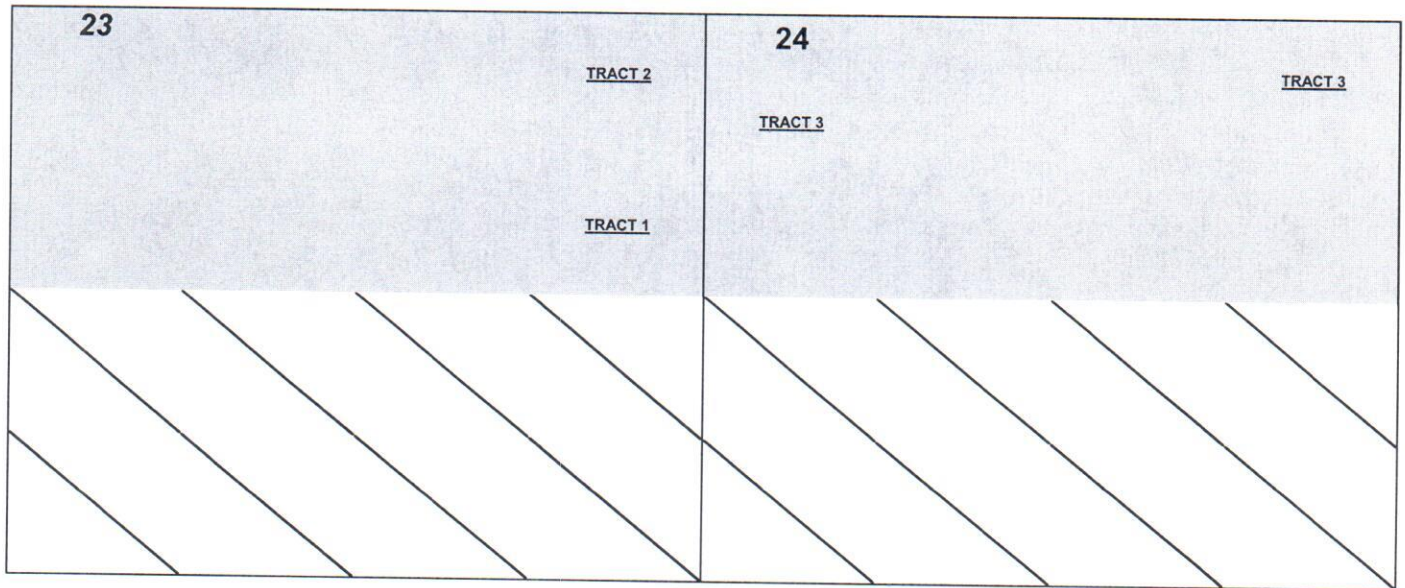
100.000000%

SECTION PLAT

North half (N/2) of Section 23, Township 22 South, Range 27 East

North half (N/2) of Section 24, Township 22 South, Range 27 East

County of Eddy, State of New Mexico



Tract 1: N2 SEC. 23, S&E NE4NE4; SW4NE4 & NW4 SEC. 24 S&E NW4NW4—MULTIPLE FEE LEASES

Mewbourne Oil Company

XTO Holdings, LLC

OXY USA, Inc.

Kaiser-Francis Oil Company

Fortuna III Permian, LLC

SRR Permian, LLC

FR Energy, LLC

MRC Permian Company

Tumbler Operating Partners

Tumbler Energy Partners, LLC

Tract 2: NE4NE4 SEC. 23—FEDERAL LEASE NO. NM 097869

Mewbourne Oil Company

Sclarco LLC

S&P Co.

JJ's Working Interests LLC

Tract 3: NW4NW4, N2NE4, & SE4NE4 SEC. 24 SEC. 24— FEDERAL LEASE NO. NM 064587

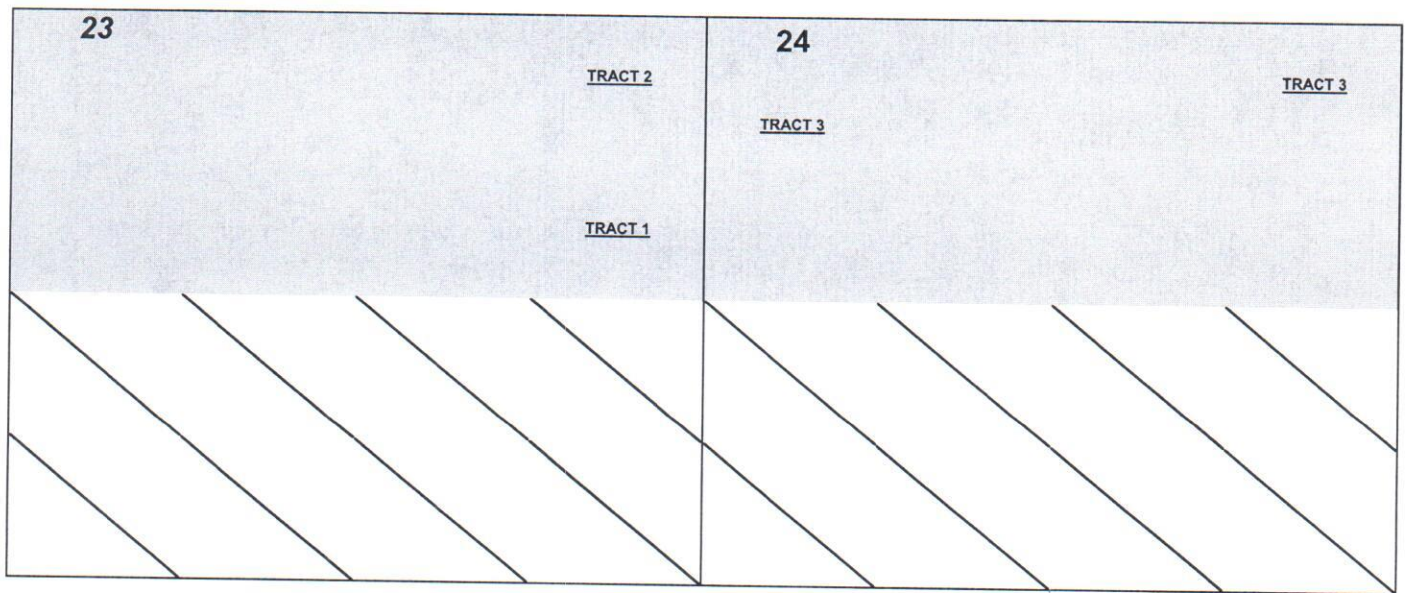
Kaiser-Francis Oil Co.

XTO Holdings, LLC

OXY USA, Inc.

RECAPITULATION FOR TOMMY BOY 23/24 W0DA FED COM #1H & TOMMY BOY
23/24 W0EH FED COM #1H

Tract Number	Number of Acres Committed	Percentage of Interest In Communitized Area
1	440.00	68.750000%
2	40.00	6.250000%
3	160.00	25.000000%
TOTAL	640.00	100.000000%



Summary of Communications

Tommy Boy 23/24 W0DA Fed Com #1H & Tommy Boy 23/24 W0EH Fed Com #1H

Kaiser-Francis Oil Company

- 1) 08/26/2020: Well proposal letter with AFEs are sent via certified mail.
- 2) 08/26/2020-09/22/2020: Many email exchanges with Brendon Kushnerick regarding Kaiser's interest and their desire to participate with Mewbourne as Operator
- 3) 09/29/2020: Zoom conference call between Mewbourne and Kaiser working through development and participation questions
- 4) 10/07/2020-10/23/2020: Much correspondence with Kaiser regarding and finalizing a letter agreement of development and a mutually acceptable Joint Operating Agreement
- 5) 10/29/2020: Awaiting to receive executed JOA and letter agreement from Kaiser-Francis

Tumbler Operating Partners, LLC

- 1) 08/26/2020: Well proposal letter with AFEs are sent via certified mail.
- 2) 09/02/2020-09/11/2020: Email exchanges & telephone calls with Trent DeHoyos who represents Tumbler's interest regarding a potential assignment of their interest as Tumbler does not want to participate.
- 3) 10/01/2020: Tumbler assigns most of their interest to another company but still keeps a portion of their interest.

Tumbler Energy Partners, LLC

- 1) 08/26/2020: Well proposal letter with AFEs are sent via certified mail.
- 2) 09/02/2020-09/11/2020: Email exchanges & telephone calls with Trent DeHoyos who represents Tumbler's interest regarding a potential assignment of their interest as Tumbler does not want to participate.
- 3) 10/01/2020: Tumbler assigns most of their interest to another company but still keeps a portion of their interest.

MRC Permian Company

- 1) 08/26/2020: Well proposal letter with AFEs are sent via certified mail.
- 2) 09/14/2020: Emailed David Johns who represents this interest inquiring of the proposals received and requesting an update
- 3) 09/15/2020-10/05/2020: Further email correspondence with David Johns regarding MRC Permian's interest
- 4) 10/05/2020: Phone conversation with David John's regarding MRC Permian's interest
- 5) 10/06/2020-10/07/2020: Email correspondence with David Johns regarding Frac design and well geology. Also discussions about leasing their acreage in the Tommy Boy Unit.

ATTACHMENT

C

OXY USA Inc.

- 1) 08/26/2020: Well proposal letter with AFEs are sent via certified mail.
- 2) 10/20/2020-10/22/2020: Many email exchanges with Clay Carroll regarding OXY's interest
- 3) 10/26/2020-10/27/2020: Email correspondence with Clay Carroll regarding development questions and a potential assignment of OXY's interest to Mewbourne

XTO Holdings, LLC

- 1) 08/26/2020: Well proposal letter with AFEs are sent via certified mail.
- 2) 10/27/2020: Email correspondence with Blair Brummell who represents XTO's interest regarding questions on timing of the Tommy Boy wells
- 3) 10/29/2020: Phone conversation with Blair Brummell regarding Tommy Boy Joint Operating Agreement and reasons behind their delay in evaluating whether or not to participate
- 4) 10/29/2020: Email correspondence with Blair Brummell sending the Tommy Boy JOA to him. Awaiting their approval to participate.

Sklarco LLC

- 1) 08/26/2020: Well proposal letter with AFEs are sent via certified mail.
- 2) 09/22/2020: Email correspondence with Sutton Lloyd who represents Sklarco's interest regarding their interest and timing of the upcoming Tommy Boy wells.
- 3) 09/24/2020: Email correspondence with Sutton Lloyd regarding their interest or potentially a lack thereof.

S & P Co.

- 1) 08/26/2020: Well proposal letter with AFEs are sent via certified mail.
- 2) 08/31/2020: Email correspondence with Jill Crawford who represents S&P's interest regarding their interest (or potentially a lack thereof) and timing of the upcoming Tommy Boy wells.

JJS Working Interests LLC

- 1) 08/26/2020: Well proposal letter with AFEs are sent via certified mail.
- 2) 09/13/2020: Certified mail returned due to unlocatable/undeliverable address.
- 3) 09/14/2020: Detailed search on the internet for a new address of this company/current contact information. Company unlocatable.

MEWBOURNE OIL COMPANY

FASKEN CENTER
500 WEST TEXAS, SUITE 1020
MIDLAND, TX 79701

TELEPHONE (432) 682-3715
FACSIMILE (432) 685-4170

August 27, 2020

Via Certified Mail

XTO HOLDINGS, LLC
810 Houston Street
Fort Worth, Texas 76102
Attn: Vincent Cuccerre

Re: Proposed Horizontal Wolfcamp Wells
Tommy Boy 23/24 W0DA Fed Com #1H
Tommy Boy 23/24 W0EH Fed Com #1H
Tommy Boy 23/24 W0LI Fee #1H
Tommy Boy 23/24 W0MP Fee #1H
All of Section 23, T22S-R27E
All of Section 24, T22S-R27E
Eddy County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 1280.0 acre Working Interest Unit ("WIU") covering the All of the above captioned sections 23 and 24 for oil and gas production. The targeted interval for the proposed unit is the Wolfcamp Formation. Mewbourne as Operator hereby proposes to drill the following horizontal Wolfcamp wells:

1. Tommy Boy 23/24 W0DA Fed Com #1H will have a surface location 2440' FNL & 280' FEL in Section 22, T22S, R27E and a bottom hole location approximately 400' FNL & 330' FEL in the above captioned Section 24. We anticipate drilling to an approximate total vertical depth of 9,060' and an approximate total measured depth of 19,400'. The N2 of Section 23 and the N2 of Section 24 will be dedicated to the well as the proration unit.
2. Tommy Boy 23/24 W0EH Fed Com #1H will have a surface location 2440' FSL & 250' FEL in Section 22, T22S, R27E and a bottom hole location approximately 1900' FNL & 330' FEL in the above captioned Section 24. We anticipate drilling to an approximate total vertical depth of 9,060' and an approximate total measured depth of 19,400'. The N2 of Section 23 and the N2 of Section 24 will be dedicated to the well as the proration unit.
3. Tommy Boy 23/24 W0LI Fee #1H will have a surface location 2440' FSL & 250' FEL in Section 22, T22S, R27E and a bottom hole location approximately 2050' FSL & 330' FEL in the above captioned Section 24. We anticipate drilling to an approximate total vertical depth of 9,060' and an approximate total measured depth of 19,400'. The S2 of Section 23 and the S2 of Section 24 will be dedicated to the well as the proration unit.

4. Tommy Boy 23/24 WOMP Fee #1H will have a surface location 2440' FSL & 280' FEL in Section 22, T22S, R27E and a bottom hole location approximately 660' FSL & 330' FEL in the above captioned Section 24. We anticipate drilling to an approximate total vertical depth of 9,060' and an approximate total measured depth of 19,400'. The S2 of Section 23 and the S2 of Section 24 will be dedicated to the well as the proration unit.

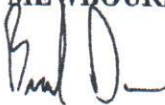
Regarding the above, enclosed for your further handling and information are copies of our Authorization For Expenditure ("AFE's") for the Tommy Boy 23/24 WODA Fed Com #1H, Tommy Boy 23/24 W0EH Fed Com #1H, Tommy Boy 23/24 W0LI Fee #1H, and Tommy Boy 23/24 WOMP Fee #1H wells.

Please indicate your participation election by having each AFE executed and returned to my attention at the above address within thirty (30) days of receipt hereof. Our proposed Operating Agreement will have COPAS rates of \$8,000/month while drilling, \$800/month for a producing well, and will follow the well proposal shortly.

Should you have any questions regarding the above, please email me at bdunn@mewbourne.com or call me at (432) 682-3715. Thank you.

Sincerely,

MEWBOURNE OIL COMPANY



Brad Dunn
Petroleum Landman

MEWBORNE OIL COMPANY
AUTHORIZATION FOR EXPENDITURE

Well Name: TOMMY BOY 23/24 W0DA FED COM #1H		Prospect: Wolfcamp Sand	
Location: SL: 2440 FNL & 280 FEL (22); BHL: 400 FNL & 330 FEL (24)		County: Eddy ST: NM	
Sec: 23/24	Blk: 	Survey: 	TWP: 22S RNG: 27E Prop. TVD: 9060 TMD: 19400

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 (1/2) Battery Containment		0180-0106	\$200,000	0180-0206	\$50,000
Daywork / Turnkey / Footage Drilling 25 days drlg / 4 days comp @ \$18250/d		0180-0110	\$487,300	0180-0210	\$78,000
Fuel 1700 gal/day @ \$1.3/gal		0180-0114	\$59,000	0180-0214	\$320,000
Mud, Chemical & Additives		0180-0120	\$180,000	0180-0220	
Horizontal Drillout Services				0180-0222	\$220,000
Cementing		0180-0125	\$80,000	0180-0225	\$50,000
Logging & Wireline Services		0180-0130	\$2,300	0180-0230	\$450,000
Casing / Tubing / Snubbing Service		0180-0134	\$18,000	0180-0234	\$42,000
Mud Logging		0180-0137	\$35,000		
Stimulation 82 Stg 24.7 MM gal/ 24.7 MM lb				0180-0241	\$1,690,000
Stimulation Rentals & Other				0180-0242	\$185,000
Water & Other		0180-0145	\$35,000	0180-0245	\$355,000
Bits		0180-0148	\$96,100	0180-0248	\$5,000
Inspection & Repair Services		0180-0150	\$50,000	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	\$80,000		
Transportation		0180-0165	\$30,000	0180-0265	\$30,000
Welding Services		0180-0168	\$4,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170		0180-0270	\$32,000
Directional Services Includes Vertical Control		0180-0175	\$356,500		
Equipment Rental		0180-0180	\$179,400	0180-0280	\$24,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$4,900	0180-0285	
Intangible Supplies		0180-0188	\$8,000	0180-0288	\$1,000
Damages		0180-0190	\$75,000	0180-0290	
ROW & Easements		0180-0192		0180-0292	\$4,000
Pipeline Interconnect				0180-0293	
Company Supervision		0180-0195	\$249,600	0180-0295	\$115,200
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment		0180-0198		0180-0298	
Contingencies 2% (TCP) 2% (CC)		0180-0199	\$46,200	0180-0299	\$75,400
TOTAL			\$2,358,300		\$3,846,100

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0") 450' - 13 3/8" 54.5# J-55 ST&C @ \$32.16/ft		0181-0794	\$15,500		
Casing (8.1" - 10.0") 2025' - 9 5/8" 40# N-80 LT&C @ \$24.42/ft		0181-0795	\$52,800		
Casing (6.1" - 8.0") 9300' - 7" 29# HCP-110 LT&C @ \$21.47/ft		0181-0796	\$213,200		
Casing (4.1" - 6.0") 10850' - 4 1/2" 13.5# P-110 BPN @ \$11.72/ft				0181-0797	\$135,800
Tubing 8470' - 2 7/8" 6.5# L-80 Tbg @ \$4.54/ft				0181-0798	\$41,100
Drilling Head		0181-0860	\$35,000		
Tubing Head & Upper Section				0181-0870	\$30,000
Horizontal Completion Tools Completion Liner Hanger				0181-0871	\$45,000
Sucker Rods				0181-0875	
Subsurface Equipment Packer				0181-0880	\$10,000
Artificial Lift Systems Gas Lift Valves				0181-0884	\$15,000
Pumping Unit				0181-0885	
Surface Pumps & Prime Movers (1/2) SWD pump/circ pump/VRU				0181-0886	\$55,000
Tanks - Oil (1/2) 6 - 750 bbl				0181-0890	\$60,000
Tanks - Water (1/2) 5 - 750 bbl coated				0181-0891	\$50,000
Separation / Treating Equipment 30"x10"x1k# 3ph vert, 4 - 36"x15"x1k#, 3 - VRT, GB				0181-0895	\$154,000
Heater Treaters, Line Heaters 8'x20'x75# HT				0181-0897	\$27,000
Metering Equipment				0181-0898	\$15,000
Line Pipe & Valves - Gathering 4" Steel Gas/ 6" poly SWD				0181-0900	\$40,000
Fittings / Valves & Accessories				0181-0906	\$150,000
Cathodic Protection Inc. Automation				0181-0908	\$57,500
Electrical Installation				0181-0909	\$50,000
Equipment Installation				0181-0910	\$75,000
Pipeline Construction 4" Steel Gas/ 6" poly SWD				0181-0920	\$80,000
TOTAL			\$316,500		\$1,090,400
SUBTOTAL			\$2,674,800		\$4,936,500

TOTAL WELL COST		\$7,611,300
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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: <u>T. Cude</u>	Date: <u>7/7/2020</u>
Company Approval: <u><i>M. White</i></u>	Date: <u>7/8/2020</u>
Joint Owner Interest: _____ Amount: _____	
Joint Owner Name: _____	Signature: _____

MEWBORNE OIL COMPANY
AUTHORIZATION FOR EXPENDITURE

Well Name: TOMMY BOY 23/24 W0EH FED COM #1H		Prospect: Wolfcamp Sand	
Location: SL: 2440 FNL & 250 FEL (22); BHL: 1900 FNL & 330 FEL (24)		County: Eddy	ST: NM
Sec. 23/24	Blk: 	Survey: 	TWP: 22S RNG: 27E Prop. TVD: 9060 TMD: 19400

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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: <u>T. Cude</u>	Date: <u>7/7/2020</u>
Company Approval: <u><i>m. whitaker</i></u>	Date: <u>7/8/2020</u>
Joint Owner Interest: _____ Amount: _____	
Joint Owner Name: _____	Signature: _____

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

**IN THE MATTER OF THE HEARING CALLED
BY THE OIL CONSERVATION DIVISION FOR
THE PURPOSE OF CONSIDERING:**

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

Case No. 21498

VERIFIED STATEMENT OF BRAD DUNN

Brad Dunn, being duly sworn upon his oath, 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 NMAC 19.15.4.12.A(1), the following information is submitted in support of the compulsory pooling application filed herein:

(a) The purpose of this application is to force pool working interest and mineral owners into the Wolfcamp horizontal spacing unit 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 regarding the proposed wells but have simply refused to voluntarily commit their interests to the wells. Some interest owners are or may be unlocatable.

(c) A plat outlining the unit being pooled is attached hereto as Attachment A. Mewbourne seeks an order approving a 320.00-acre horizontal spacing unit in the Wolfcamp formation comprised of S/2 of Section 23 and the S/2 of Section 24, Township 22 South, Range 27 East, NMPM. Mewbourne further seeks the pooling of all mineral interests in the Wolfcamp formation underlying the unit. The unit will be dedicated to the Tommy Boy 23/24 WOLI Fee #1H & the Tommy Boy 23/24 WOMP Fee #1H wells. The referenced wells are horizontal wells. The Tommy Boy 23/24 WOLI Fee #1H has a first take point in Unit L of Section 23 and a final take point in Unit I of Section 24. The Tommy Boy 23/24 WOMP Fee #1H has a first take point in Unit L of Section 23 and a final take point in Unit P of Section 24.

(d) There are no depth severances in the Wolfcamp formation.

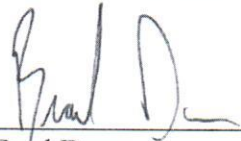
EXHIBIT 2 B

- (e) The parties being pooled and their interests are set forth in Attachment B. Their current and correct addresses are also set forth. To find the unlocatable parties we examined county and government records, and also conducted internet searches including google and drillinginfo.
- (f) Attachment C contains a summary of contacts with the interest owners, together with copies of the proposal letters sent to them.
- (g) Mewbourne has made a good faith effort to obtain the voluntary joinder of the working interest and mineral owners in the proposed wells.
- (h) Mewbourne has the right to pool the overriding royalty owners in the well unit.
- (i) Attachment D is the Authorization for Expenditure for each proposed well. The estimated cost of the wells set forth therein are fair and reasonable, and are comparable to the costs of other wells of similar depth and length drilled in this area of Eddy County.
- (j) 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 portion 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.
- (k) Mewbourne requests that the maximum cost plus 200% risk charge be assessed against non-consenting working interest owners.
- (l) Applicant requests that it be designated operator of the wells.
- (m) The attachments to this affidavit were prepared by me or under my supervision, or compiled from company business records.
- (n) The granting of this application is in the interests of conservation and the prevention of waste.

VERIFICATION

STATE OF TEXAS)
) ss.
COUNTY OF MIDLAND)

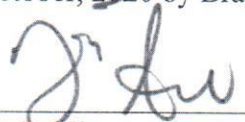
Brad Dunn, being duly sworn upon his oath, deposes and states that: He is a landman for Mewbourne Oil Company; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of his knowledge, information, and belief.



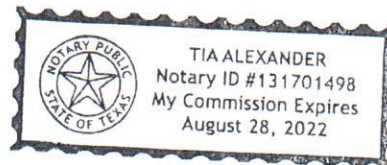
Brad Dunn

SUBSCRIBED AND SWORN TO before me this 30 day of October, 2020 by Brad Dunn.

My Commission Expires: 8-28-22



Notary Public



Tommy Boy 23/24 WOMP FEE #1H
Sections 23 (S2) & 24 (NS), T22S, R27E
EDDY COUNTY, NM

A

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name	
4 Property Code		5 Property Name TOMMY BOY 23/24 WOLI FEE			6 Well Number 1H
7 OGRID NO.		8 Operator Name MEWBOURNE OIL COMPANY			9 Elevation 3105'

10 Surface Location

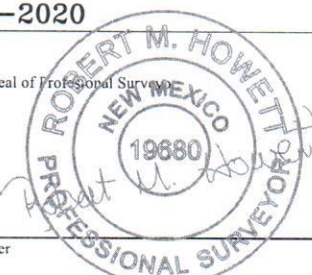
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
I	22	22S	27E		2440	SOUTH	550	EAST	EDDY

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	24	22S	27E		2050	SOUTH	330	EAST	EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.

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

16 CORNER DATA NAD 83 GRID - NM EAST A: FOUND COTTON SPINDLE N 498664.1 - E 586815.6 B: FOUND 1/2" REBAR N 501324.2 - E 586807.0 C: FOUND ALUMINUM CAP "8510" N 503984.3 - E 586797.8 D: FOUND 1/2" REBAR N 504029.0 - E 589473.6 E: FOUND COTTON SPINDLE N 504073.7 - E 592149.6 F: CALCULATED CORNER N 504077.7 - E 594725.4 G: FOUND BRASS CAP "1916" N 504054.4 - E 602698.6 H: FOUND BRASS CAP "1943" N 501392.4 - E 602705.4 I: CALCULATED CORNER N: 498738.4 - E: 602695.4 GEODETIC DATA NAD 83 GRID - NM EAST N: 501159.5 - E: 591576.0 LAT: 32.3776518° N LONG: 104.1705971° W SURFACE LOCATION NAD 83 GRID - NM EAST N: 500792.4 - E: 602373.2 LAT: 32.3765927° N LONG: 104.1356241° W BOTTOM HOLE NAD 83 GRID - NM EAST N: 500792.4 - E: 602373.2 LAT: 32.3765927° N LONG: 104.1356241° W 17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature _____ Date _____ Printed Name _____ E-mail Address _____ 18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 08-21-2020 Date of Survey Signature and Seal of Professional Surveyor _____ 19680 Certificate Number Job No.: LS20080377	
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OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name TOMMY BOY 23/24 WOMP FEE	⁶ Well Number 1H
⁷ OGRID NO.	⁸ Operator Name MEWBOURNE OIL COMPANY	⁹ Elevation 3105'

¹⁰ Surface Location

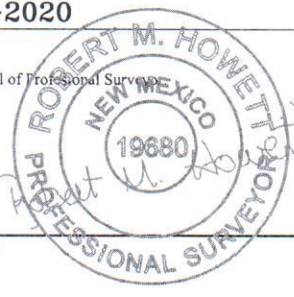
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
I	22	22S	27E		2440	SOUTH	580	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
p	24	22S	27E		660	SOUTH	330	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

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

16 <u>CORNER DATA</u> NAD 83 GRID - NM EAST A: FOUND COTTON SPINDLE N 498664.1 - E 586815.6 B: FOUND 1/2" REBAR N 501324.2 - E 586807.0 C: FOUND ALUMINUM CAP "8510" N 503984.3 - E 586797.8 D: FOUND 1/2" REBAR N 504029.0 - E 589473.6 E: FOUND COTTON SPINDLE N 504073.7 - E 592149.6 F: CALCULATED CORNER N 504077.7 - E 594725.4 G: FOUND BRASS CAP "1916" N 504054.4 - E 602698.6 H: FOUND BRASS CAP "1943" N 501392.4 - E 602705.4 I: CALCULATED CORNER N: 498738.4 - E: 602695.4 <u>GEODETIC DATA</u> NAD 83 GRID - NM EAST N: 501159.1 - E: 591546.0 LAT: 32.3776509° N LONG: 104.1706941° W <u>SURFACE LOCATION</u> NAD 83 GRID - NM EAST N: 499402.7 - E: 602368.0 LAT: 32.3727728° N LONG: 104.1356494° W <u>BOTTOM HOLE</u> NAD 83 GRID - NM EAST N: 499402.7 - E: 602368.0 LAT: 32.3727728° N LONG: 104.1356494° W <u>17 OPERATOR CERTIFICATION</u> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature _____ Date _____ Printed Name _____ E-mail Address _____ <u>18 SURVEYOR CERTIFICATION</u> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 08-21-2020 Date of Survey Signature and Seal of Professional Surveyor 19680 Certificate Number Job No.: LS20080378	
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TRACT OWNERSHIP
Tommy Boy 23/24 W0LI Fee #1H & Tommy Boy 23/24 W0MP Fee #1H
Sections 23 (S/2) & 24 (S/2), T22S, R27E
Eddy County, New Mexico

Sections 23 (S/2) & 24 (S/2):

Wolfcamp formation:

	<u>% Leasehold Interest</u>
Mewbourne Oil Company, et al 500 West Texas, Ste. 1020 Midland, Texas 79701	59.769132%
* Kaiser-Francis Oil Company 6733 South Yale Avenue Tulsa, OK 74136	25.000000%
* OXY USA Inc. 5 Greenway Plaza, STE 110 Houston, TX 77046	12.500000%
* Tumbler Operating Partners, LLC 1701 River Run, STE 306 Fort Worth, Texas 76107	1.365434%
* Tumbler Energy Partners, LLC P.O. Box 50938 Midland, TX 79710	1.365434%
	100.000000%

*** Total interest being pooled: 40.230868%**

OWNERSHIP BY TRACT

S/2 SECTION 23

Mewbourne Oil Company, et al 500 West Texas, Ste. 1020 Midland, Texas 79701	94.538264%
* Tumbler Operating Partners, LLC 1701 River Run, STE 306 Fort Worth, Texas 76107	2.730868%
* Tumbler Energy Partners, LLC P.O. Box 50938 Midland, TX 79710	2.730868%
	100.000000%

S/2 SECTION 24

Mewbourne Oil Company, et al
500 West Texas, Ste. 1020
Midland, Texas 79701

25.000000%

* Kaiser-Francis Oil Company
6733 South Yale Avenue
Tulsa, OK 74136

50.000000%

* OXY USA Inc.
5 Greenway Plaza, STE 110
Houston, TX 77046

25.000000%

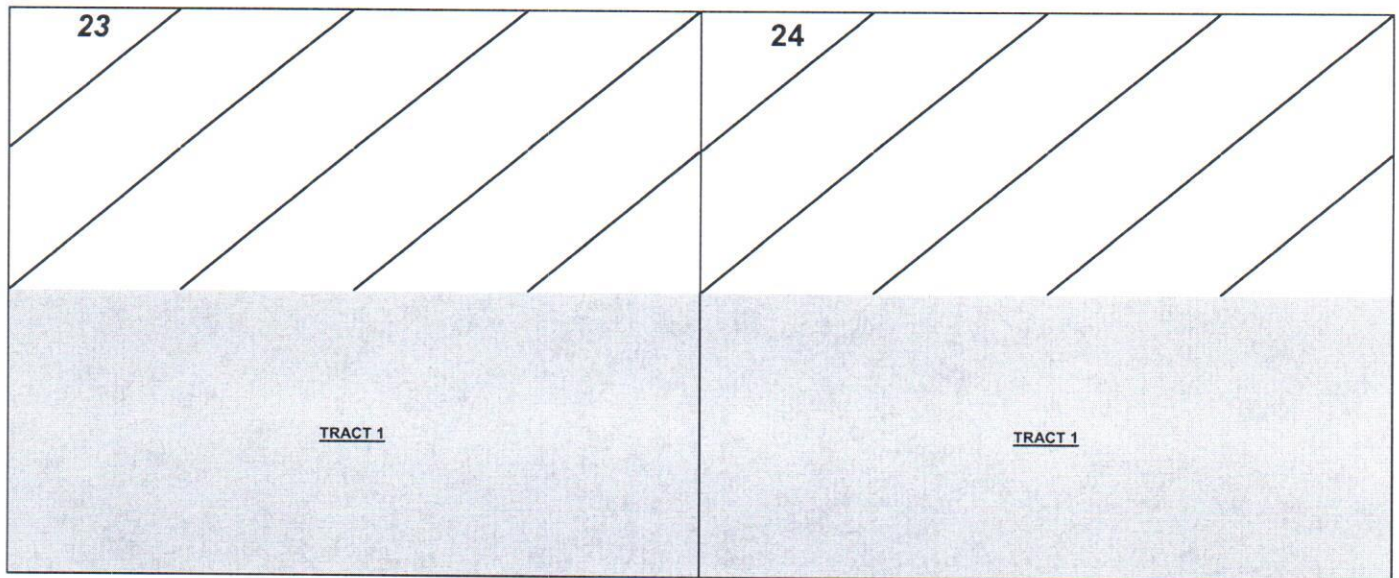
100.000000%

SECTION PLAT

South half (S/2) of Section 23, Township 22 South, Range 27 East

South half (S/2) of Section 24, Township 22 South, Range 27 East

County of Eddy, State of New Mexico

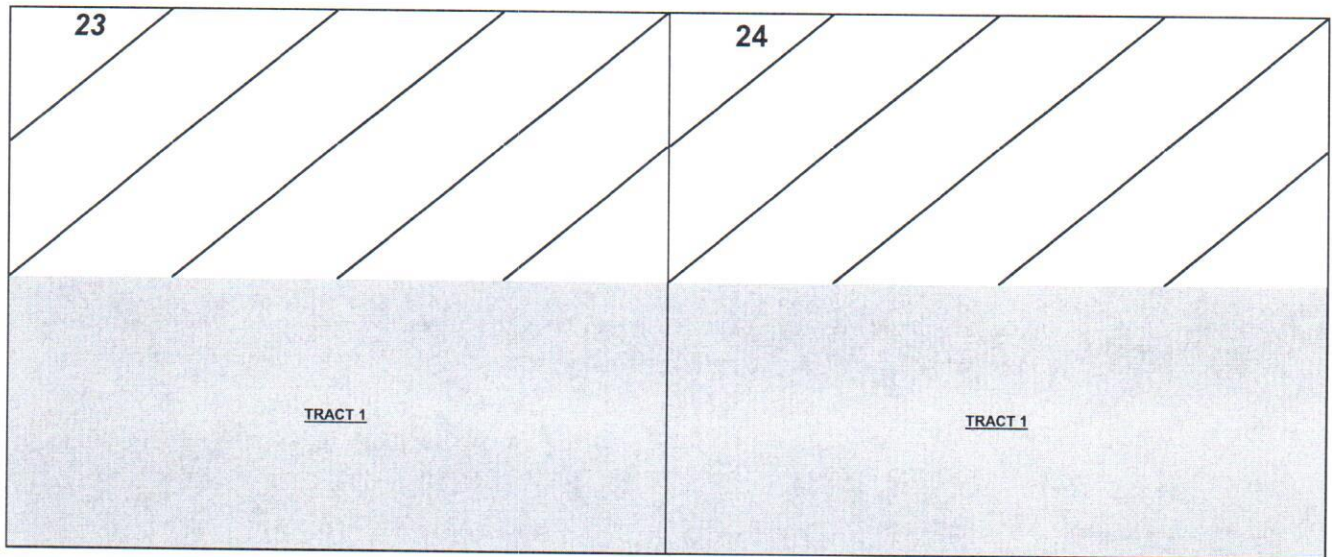


Tract 1: S2 SEC. 23 & S2 SEC. 24—MULTIPLE FEE LEASES

Mewbourne Oil Company
OXY USA, Inc.
Kaiser-Francis Oil Company
Fortuna III Permian, LLC
SRR Permian, LLC
FR Energy, LLC
Tumbler Operating Partners
Tumbler Energy Partners, LLC
Featherstone Development Corporation
Ross Duncan Properties LLC
The Allar Company
Camarie Oil & Gas LLC

RECAPITUALTION FOR TOMMY BOY 23/24 W0LI FEE #1H & TOMMY BOY 23/24
W0MP FEE #1H

Tract Number	Number of Acres Committed	Percentage of Interest In Communitized Area
1	640.00	100.000000%
TOTAL	640.00	100.000000%



Summary of Communications

Tommy Boy 23/24 W0LI Fee #1H & Tommy Boy 23/24 W0MP Fee #1H

Kaiser-Francis Oil Company

- 1) 08/26/2020: Well proposal letter with AFEs are sent via certified mail.
- 2) 08/26/2020-09/22/2020: Many email exchanges with Brendon Kushnerick regarding Kaiser's interest and their desire to participate with Mewbourne as Operator
- 3) 09/29/2020: Zoom conference call between Mewbourne and Kaiser working through development and participation questions
- 4) 10/07/2020-10/23/2020: Much correspondence with Kaiser regarding and finalizing a letter agreement of development and a mutually acceptable Joint Operating Agreement
- 5) 10/29/2020: Awaiting to receive executed JOA and letter agreement from Kaiser-Francis

Tumbler Operating Partners, LLC

- 1) 08/26/2020: Well proposal letter with AFEs are sent via certified mail.
- 2) 09/02/2020-09/11/2020: Email exchanges & telephone calls with Trent DeHoyos who represents Tumbler's interest regarding a potential assignment of their interest as Tumbler does not want to participate.
- 3) 10/01/2020: Tumbler assigns most of their interest to another company but still keeps a portion of their interest.

Tumbler Energy Partners, LLC

- 1) 08/26/2020: Well proposal letter with AFEs are sent via certified mail.
- 2) 09/02/2020-09/11/2020: Email exchanges & telephone calls with Trent DeHoyos who represents Tumbler's interest regarding a potential assignment of their interest as Tumbler does not want to participate.
- 3) 10/01/2020: Tumbler assigns most of their interest to another company but still keeps a portion of their interest.

MRC Permian Company

- 1) 08/26/2020: Well proposal letter with AFEs are sent via certified mail.
- 2) 09/14/2020: Emailed David Johns who represents this interest inquiring of the proposals received and requesting an update
- 3) 09/15/2020-10/05/2020: Further email correspondence with David Johns regarding MRC Permian's interest
- 4) 10/05/2020: Phone conversation with David John's regarding MRC Permian's interest
- 5) 10/06/2020-10/07/2020: Email correspondence with David Johns regarding Frac design and well geology. Also discussions about leasing their acreage in the Tommy Boy Unit.

ATTACHMENT

C

OXY USA Inc.

- 1) 08/26/2020: Well proposal letter with AFEs are sent via certified mail.
- 2) 10/20/2020-10/22/2020: Many email exchanges with Clay Carroll regarding OXY's interest
- 3) 10/26/2020-10/27/2020: Email correspondence with Clay Carroll regarding development questions and a potential assignment of OXY's interest to Mewbourne

XTO Holdings, LLC

- 1) 08/26/2020: Well proposal letter with AFEs are sent via certified mail.
- 2) 10/27/2020: Email correspondence with Blair Brummell who represents XTO's interest regarding questions on timing of the Tommy Boy wells
- 3) 10/29/2020: Phone conversation with Blair Brummell regarding Tommy Boy Joint Operating Agreement and reasons behind their delay in evaluating whether or not to participate
- 4) 10/29/2020: Email correspondence with Blair Brummell sending the Tommy Boy JOA to him. Awaiting their approval to participate.

Sklarco LLC

- 1) 08/26/2020: Well proposal letter with AFEs are sent via certified mail.
- 2) 09/22/2020: Email correspondence with Sutton Lloyd who represents Sklarco's interest regarding their interest and timing of the upcoming Tommy Boy wells.
- 3) 09/24/2020: Email correspondence with Sutton Lloyd regarding their interest or potentially a lack thereof.

S & P Co.

- 1) 08/26/2020: Well proposal letter with AFEs are sent via certified mail.
- 2) 08/31/2020: Email correspondence with Jill Crawford who represents S&P's interest regarding their interest (or potentially a lack thereof) and timing of the upcoming Tommy Boy wells.

JJS Working Interests LLC

- 1) 08/26/2020: Well proposal letter with AFEs are sent via certified mail.
- 2) 09/13/2020: Certified mail returned due to unlocatable/undeliverable address.
- 3) 09/14/2020: Detailed search on the internet for a new address of this company/current contact information. Company unlocatable.

MEWBOURNE OIL COMPANY

FASKEN CENTER
500 WEST TEXAS, SUITE 1020
MIDLAND, TX 79701

TELEPHONE (432) 682-3715
FACSIMILE (432) 685-4170

August 27, 2020

Via Certified Mail

OXY USA Inc.
5 Greenway Plaza, STE 110
Houston, TX 77046
Attn: Land Manager

Re: Proposed Horizontal Wolfcamp Wells
Tommy Boy 23/24 W0DA Fed Com #1H
Tommy Boy 23/24 W0EH Fed Com #1H
Tommy Boy 23/24 W0LI Fee #1H
Tommy Boy 23/24 W0MP Fee #1H
All of Section 23, T22S-R27E
All of Section 24, T22S-R27E
Eddy County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 1280.0 acre Working Interest Unit ("WIU") covering the All of the above captioned sections 23 and 24 for oil and gas production. The targeted interval for the proposed unit is the Wolfcamp Formation. Mewbourne as Operator hereby proposes to drill the following horizontal Wolfcamp wells:

1. Tommy Boy 23/24 W0DA Fed Com #1H will have a surface location 2440' FNL & 280' FEL in Section 22, T22S, R27E and a bottom hole location approximately 400' FNL & 330' FEL in the above captioned Section 24. We anticipate drilling to an approximate total vertical depth of 9,060' and an approximate total measured depth of 19,400'. The N2 of Section 23 and the N2 of Section 24 will be dedicated to the well as the proration unit.
2. Tommy Boy 23/24 W0EH Fed Com #1H will have a surface location 2440' FSL & 250' FEL in Section 22, T22S, R27E and a bottom hole location approximately 1900' FNL & 330' FEL in the above captioned Section 24. We anticipate drilling to an approximate total vertical depth of 9,060' and an approximate total measured depth of 19,400'. The N2 of Section 23 and the N2 of Section 24 will be dedicated to the well as the proration unit.
3. Tommy Boy 23/24 W0LI Fee #1H will have a surface location 2440' FSL & 250' FEL in Section 22, T22S, R27E and a bottom hole location approximately 2050' FSL & 330' FEL in the above captioned Section 24. We anticipate drilling to an approximate total vertical depth of 9,060' and an approximate total measured depth of 19,400'. The S2 of Section 23 and the S2 of Section 24 will be dedicated to the well as the proration unit.

4. Tommy Boy 23/24 WOMP Fee #1H will have a surface location 2440' FSL & 280' FEL in Section 22, T22S, R27E and a bottom hole location approximately 660' FSL & 330' FEL in the above captioned Section 24. We anticipate drilling to an approximate total vertical depth of 9,060' and an approximate total measured depth of 19,400'. The S2 of Section 23 and the S2 of Section 24 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling and information are copies of our Authorization For Expenditure ("AFE") for the Tommy Boy 23/24 W0DA Fed Com #1H, Tommy Boy 23/24 W0EH Fed Com #1H, Tommy Boy 23/24 W0L1 Fee #1H, and Tommy Boy 23/24 WOMP Fee #1H wells.

Please indicate your participation election by having each AFE executed and returned to my attention at the above address within thirty (30) days of receipt hereof. Our proposed Operating Agreement will have COPAS rates of \$8,000/month while drilling, \$800/month for a producing well, and will follow the well proposal shortly.

Should you have any questions regarding the above, please email me at bdunn@mewbourne.com or call me at (432) 682-3715. Thank you.

Sincerely,

MEWBOURNE OIL COMPANY



Brad Dunn
Petroleum Landman

MEWBOURNE OIL COMPANY
AUTHORIZATION FOR EXPENDITURE

Well Name: TOMMY BOY 23/24 WOMP FEE #1H		Prospect: Wolfcamp Sand	
Location: SL: 2440 FSL & 280 FEL (22); BHL: 660 FSL & 330 FEL (24)		County: Eddy	ST: NM
Sec: 23/24	Blk: 	Survey: 	TWP: 22S RNG: 27E Prop. TVD: 9060 TMD: 19400

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 (1/2) Battery Containment		0180-0106	\$200,000	0180-0206	\$50,000
Daywork / Turnkey / Footage Drilling 25 days drlg / 4 days comp @ \$18250/d		0180-0110	\$487,300	0180-0210	\$78,000
Fuel 1700 gal/day @ \$1.3/gal		0180-0114	\$59,000	0180-0214	\$320,000
Mud, Chemical & Additives		0180-0120	\$180,000	0180-0220	
Horizontal Drillout Services				0180-0222	\$220,000
Cementing		0180-0125	\$80,000	0180-0225	\$50,000
Logging & Wireline Services		0180-0130	\$2,300	0180-0230	\$450,000
Casing / Tubing / Snubbing Service		0180-0134	\$18,000	0180-0234	\$42,000
Mud Logging		0180-0137	\$35,000		
Stimulation 82 Stg 24.7 MM gal/ 24.7 MM lb				0180-0241	\$1,690,000
Stimulation Rentals & Other				0180-0242	\$185,000
Water & Other		0180-0145	\$35,000	0180-0245	\$355,000
Bits		0180-0148	\$96,100	0180-0248	\$5,000
Inspection & Repair Services		0180-0150	\$50,000	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	\$80,000		
Transportation		0180-0165	\$30,000	0180-0265	\$30,000
Welding Services		0180-0168	\$4,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170		0180-0270	\$32,000
Directional Services Includes Vertical Control		0180-0175	\$356,500		
Equipment Rental		0180-0180	\$179,400	0180-0280	\$24,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$4,900	0180-0285	
Intangible Supplies		0180-0188	\$8,000	0180-0288	\$1,000
Damages		0180-0190	\$75,000	0180-0290	
ROW & Easements		0180-0192		0180-0292	\$4,000
Pipeline Interconnect				0180-0293	
Company Supervision		0180-0195	\$249,600	0180-0295	\$115,200
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment		0180-0198		0180-0298	
Contingencies 2% (TCP) 2% (CC)		0180-0199	\$46,200	0180-0299	\$75,400
TOTAL			\$2,358,300		\$3,846,100

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0") 450' - 13 3/8" 54.5# J-55 ST&C @ \$32.16/ft		0181-0794	\$15,500		
Casing (8.1" - 10.0") 2025' - 9 5/8" 40# N-80 LT&C @ \$24.42/ft		0181-0795	\$52,800		
Casing (6.1" - 8.0") 9300' - 7" 29# HCP-110 LT&C @ \$21.47/ft		0181-0796	\$213,200		
Casing (4.1" - 6.0") 10850' - 4 1/2" 13.5# P-110 BPN @ \$11.72/ft				0181-0797	\$135,800
Tubing 8470' - 2 7/8" 6.5# L-80 Tbg @ \$4.54/ft				0181-0798	\$41,100
Drilling Head		0181-0860	\$35,000		
Tubing Head & Upper Section				0181-0870	\$30,000
Horizontal Completion Tools Completion Liner Hanger				0181-0871	\$45,000
Sucker Rods				0181-0875	
Subsurface Equipment Packer				0181-0880	\$10,000
Artificial Lift Systems Gas Lift Valves				0181-0884	\$15,000
Pumping Unit				0181-0885	
Surface Pumps & Prime Movers (1/2) SWD pump/circ pump/VRU				0181-0886	\$55,000
Tanks - Oil (1/2) 6 - 750 bbl				0181-0890	\$60,000
Tanks - Water (1/2) 5 - 750 bbl coated				0181-0891	\$50,000
Separation / Treating Equipment 30"x10"x1k# 3ph vert, 4 - 36"x15"x1k#, 3 - VRT, GB				0181-0895	\$154,000
Heater Treaters, Line Heaters 8"x20"x75# HT				0181-0897	\$27,000
Metering Equipment				0181-0898	\$15,000
Line Pipe & Valves - Gathering 4" Steel Gas/ 6" poly SWD				0181-0900	\$40,000
Fittings / Valves & Accessories				0181-0906	\$150,000
Cathodic Protection Inc. Automation				0181-0908	\$57,500
Electrical Installation				0181-0909	\$50,000
Equipment Installation				0181-0910	\$75,000
Pipeline Construction 4" Steel Gas/ 6" poly SWD				0181-0920	\$80,000
TOTAL			\$316,500		\$1,090,400
SUBTOTAL			\$2,674,800		\$4,936,500

TOTAL WELL COST		\$7,611,300
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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: <u>T. Cude</u>	Date: <u>7/7/2020</u>
Company Approval: <u><i>m. whitaker</i></u>	Date: <u>7/8/2020</u>

Joint Owner Interest: _____ Amount: _____	Signature: _____
Joint Owner Name: _____	

MEWBOURNE OIL COMPANY
AUTHORIZATION FOR EXPENDITURE

Well Name: TOMMY BOY 23/24 W0LI FEE #1H		Prospect: Wolfcamp Sand	
Location: SL: 2440 FSL & 250 FEL (22); BHL: 2050 FSL & 330 FEL (24)		County: Eddy	ST: NM
Sec. 23/24	Blk:	Survey:	TWP: 22S RNG: 27E Prop. TVD: 9060 TMD: 19400

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	(1/2) Battery Containment	0180-0106	\$200,000	0180-0206	\$50,000
Daywork / Turnkey / Footage Drilling	25 days drlg / 4 days comp @ \$18250/d	0180-0110	\$487,300	0180-0210	\$78,000
Fuel	1700 gal/day @ \$1.3/gal	0180-0114	\$59,000	0180-0214	\$320,000
Mud, Chemical & Additives		0180-0120	\$180,000	0180-0220	
Horizontal Drillout Services				0180-0222	\$220,000
Cementing		0180-0125	\$80,000	0180-0225	\$50,000
Logging & Wireline Services		0180-0130	\$2,300	0180-0230	\$450,000
Casing / Tubing / Snubbing Service		0180-0134	\$18,000	0180-0234	\$42,000
Mud Logging		0180-0137	\$35,000		
Stimulation	82 Stg 24.7 MM gal/ 24.7 MM lb			0180-0241	\$1,690,000
Stimulation Rentals & Other				0180-0242	\$185,000
Water & Other		0180-0145	\$35,000	0180-0245	\$355,000
Bits		0180-0148	\$96,100	0180-0248	\$5,000
Inspection & Repair Services		0180-0150	\$50,000	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	\$80,000		
Transportation		0180-0165	\$30,000	0180-0265	\$30,000
Welding Services		0180-0168	\$4,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170		0180-0270	\$32,000
Directional Services	Includes Vertical Control	0180-0175	\$356,500		
Equipment Rental		0180-0180	\$179,400	0180-0280	\$24,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$4,900	0180-0285	
Intangible Supplies		0180-0188	\$8,000	0180-0288	\$1,000
Damages		0180-0190	\$75,000	0180-0290	
ROW & Easements		0180-0192		0180-0292	\$4,000
Pipeline Interconnect				0180-0293	
Company Supervision		0180-0195	\$249,600	0180-0295	\$115,200
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment		0180-0198		0180-0298	
Contingencies	2% (TCP) 2% (CC)	0180-0199	\$46,200	0180-0299	\$75,400
TOTAL			\$2,358,300		\$3,846,100

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0")	450' - 13 3/8" 54.5# J-55 ST&C @ \$32.16/ft	0181-0794	\$15,500		
Casing (8.1" - 10.0")	2025' - 9 5/8" 40# N-80 LT&C @ \$24.42/ft	0181-0795	\$52,800		
Casing (6.1" - 8.0")	9300' - 7" 29# HCP-110 LT&C @ \$21.47/ft	0181-0796	\$213,200		
Casing (4.1" - 6.0")	10850' - 4 1/2" 13.5# P-110 BPN @ \$11.72/ft			0181-0797	\$135,800
Tubing	8470' - 2 7/8" 6.5# L-80 Tbg @ \$4.54/ft			0181-0798	\$41,100
Drilling Head		0181-0860	\$35,000		
Tubing Head & Upper Section				0181-0870	\$30,000
Horizontal Completion Tools	Completion Liner Hanger			0181-0871	\$45,000
Sucker Rods				0181-0875	
Subsurface Equipment	Packer			0181-0880	\$10,000
Artificial Lift Systems	Gas Lift Valves			0181-0884	\$15,000
Pumping Unit				0181-0885	
Surface Pumps & Prime Movers	(1/2) SWD pump/circ pump/VRU			0181-0886	\$55,000
Tanks - Oil	(1/2) 6 - 750 bbl			0181-0890	\$60,000
Tanks - Water	(1/2) 5 - 750 bbl coated			0181-0891	\$50,000
Separation / Treating Equipment	30"x10"x1k# 3ph vert, 4 - 36"x15"x1k#, 3 - VRT, GB			0181-0895	\$154,000
Heater Treaters, Line Heaters	8'x20'x75# HT			0181-0897	\$27,000
Metering Equipment				0181-0898	\$15,000
Line Pipe & Valves - Gathering	4" Steel Gas/ 6" poly SWD			0181-0900	\$40,000
Fittings / Valves & Accessories				0181-0906	\$150,000
Cathodic Protection	Inc. Automation			0181-0908	\$57,500
Electrical Installation				0181-0909	\$50,000
Equipment Installation				0181-0910	\$75,000
Pipeline Construction	4" Steel Gas/ 6" poly SWD			0181-0920	\$80,000
TOTAL			\$316,500		\$1,090,400
SUBTOTAL			\$2,674,800		\$4,936,500

TOTAL WELL COST \$7,611,300

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: T. Cude	Date: 7/7/2020
Company Approval: <i>M. Whitte</i>	Date: 7/8/2020
Joint Owner Interest: _____ Amount: _____	Signature: _____
Joint Owner Name: _____	

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

APPLICATION OF MEWBOURNE OIL COMPANY
FOR A COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO.

Case No. 21497 +
Case No. 21498

VERIFIED STATEMENT OF TYLER HILL

COUNTY OF MIDLAND)
) ss.
STATE OF TEXAS)

Tyler Hill, being duly sworn upon his oath, deposes and states:

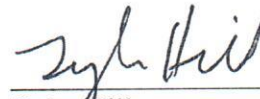
1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am a geologist for Mewbourne Oil Company ("Mewbourne"), and I am familiar with the geological matters involved in this case. I have been qualified by the Division as an expert petroleum geologist.
3. The following geological plats are attached hereto:
 - (a) Attachment A is a structure map of the Wolfcamp formation, mapped on the top of the correlative Wolfcamp marker. It shows that structure dips to the east, and that the planned wellbores would drill perpendicular to strike. It also shows a line of cross-section, A-A'.
 - (b) Attachment B is a west-east cross section. The well logs on the cross-section give a representative sample of the Wolfcamp formation in this area. The target zone for the wells is the Upper Wolfcamp Sand, and that zone is continuous across the well unit.
4. I conclude from the maps that:
 - (a) The horizontal spacing unit is justified from a geologic standpoint.
 - (b) Each quarter section in the unit will contribute more or less equally to production.
 - (c) There is no faulting or other geologic impediment in the area which will affect the drilling of the subject wells.

ATTACHMENT

3

5. Attachment C contains information from other wells drilled in the immediate area. There are numerous upper Wolfcamp sand wells, and the preferred orientation is for laydown units. The completed wells in the area are commercial.

6. Attachment D is the Survey Calculation Report for wells: Tommy Boy 23/24 W0DA Fed Com 1H, and Tommy Boy 23/24 W0EH Fed Com 1H. The producing interval of the proposed well will be orthodox. The Pool code is Purple Sage Wolfcamp (98220).


Tyler Hill

VERIFICATION

STATE OF TEXAS)
) ss.
COUNTY OF MIDLAND)

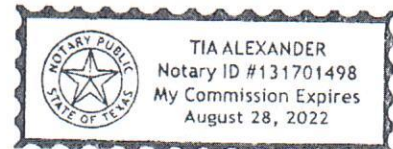
Tyler Hill, being duly sworn upon his oath, deposes and states that: He is a geologist for Mewbourne Oil Company; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of his knowledge, information, and belief.

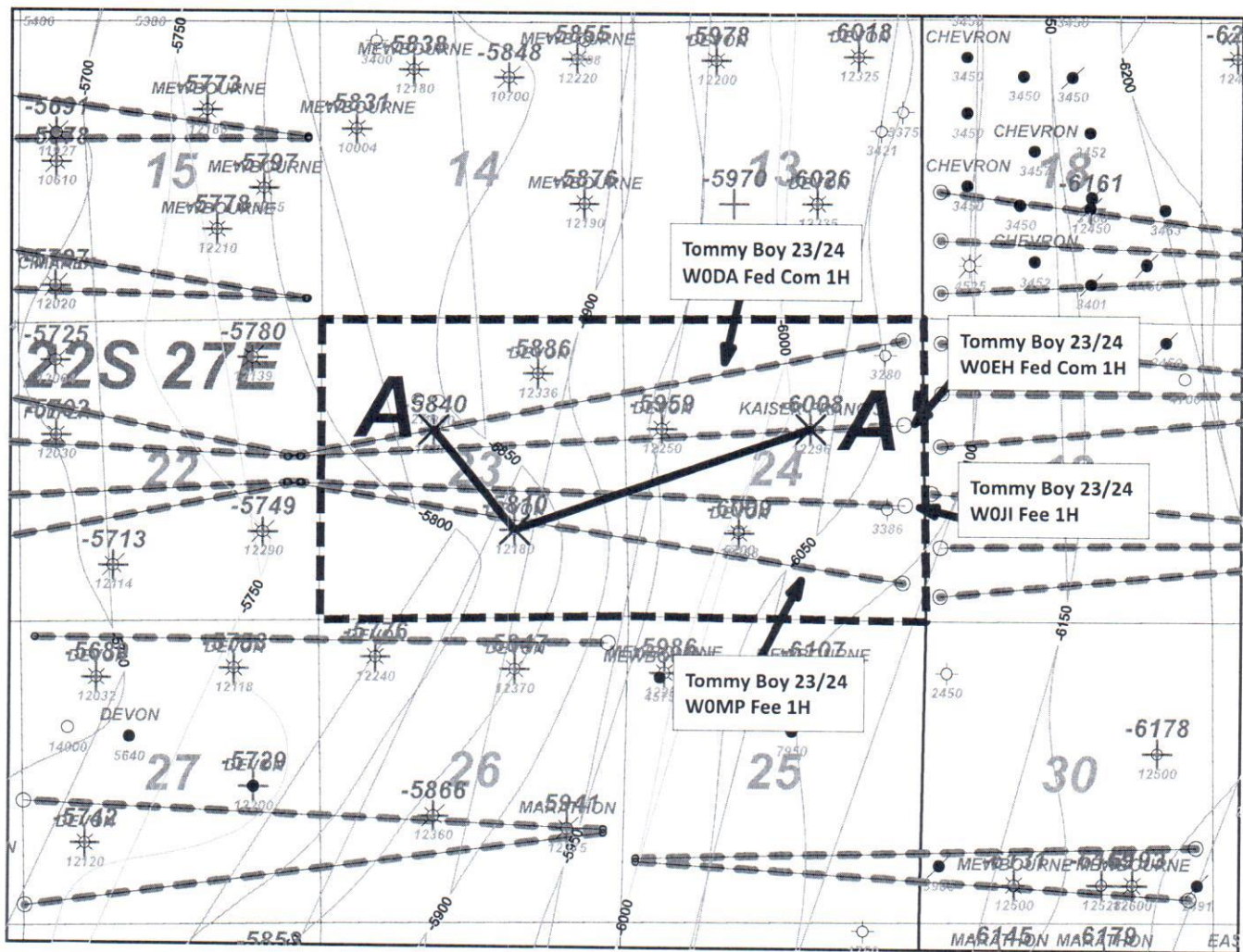
Tyler Hill
Tyler Hill

SUBSCRIBED AND SWORN TO before me this 19 day of October, 2020 by Tyler Hill.

My Commission Expires: 8-28-22

Tia Alexander
Notary Public





Activity Color Code (Permitted Horizons)

Wolfcamp Sand



MOC Mewbourne Oil Company		
Tommy Boy 23/24 WODA Fed Com 1H		
Tommy Boy 23/24 W0EH Fed Com 1H		
Tommy Boy 23/24 W0LI Fee 1H		
Tommy Boy 23/24 W0MP Fee 1H		
Structure top W'FMP (C.I. 50')		
Author: T. Hill	County:	Date:
	Scale: 1.0"=3000'	16 October, 2020

1 inch = 3000 feet



ATTACHMENT



Tommy Boy 23/24 W0DA,EH,LI,MP

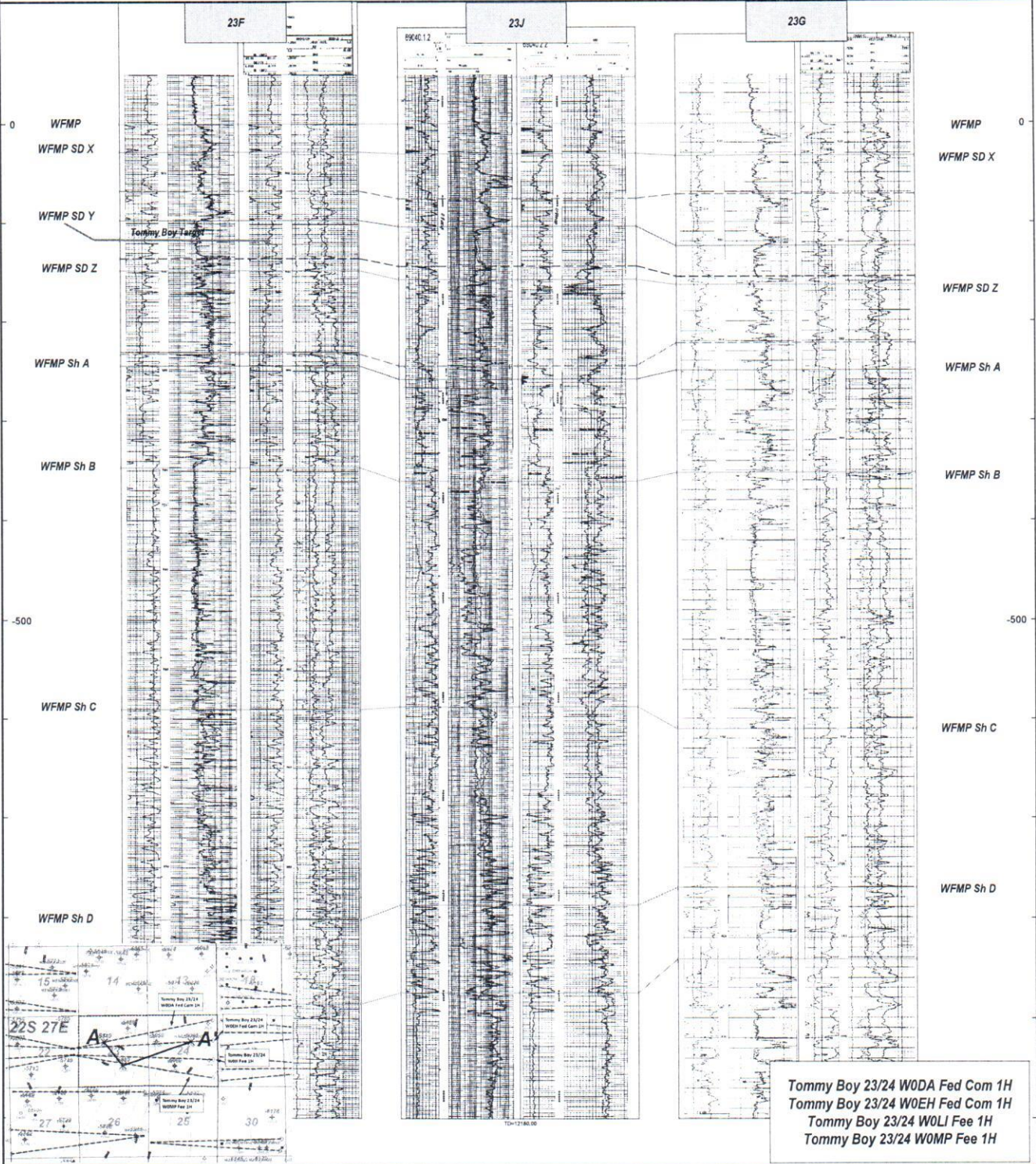
A

30015257200
HERMAN WATER SOLUTIONS LLC
ROHMER 1
SEC 27
Datum=3113.00
Reference=03
TWP: 22 S - Range: 27 E - Sec: 23

30015255000
DEVON ENERGY PRODUCTION CO. LP
ERKUSON 1
155 FULTON RD
Datum=3113.00
Reference=03
TWP: 22 S - Range: 27 E - Sec: 23

30015256800
KATZMAN-FRANCIS OIL CO.
HARGRE 1
SEC 24
Datum=3072.00
Reference=03
TWP: 22 S - Range: 27 E - Sec: 24

A'



ATTACHMENT

B

Tommy Boy Area Wolfcamp Production Table										
API	Well Name	Well Number	Operator	Location	Field	Cum Oil (Mbo)	Cum Gas (Bcf)	Cum Water (Mbw)	First Prod Date	WFMP Zone
300154437400	CYPRESS FEE 23 27 9	2H	MARATHON	9L-9P/23S/27E	PURPLE SAGE	70	0.82	412	5/1/2018	WFMP C Shale
300154404600	CYPRESS	1H	MARATHON	9M-9P/23S/27E	PURPLE SAGE	220	0.51	866	5/1/2017	WFMP Y Sand
300154408200	MICHAEL COLLINS 11 23S 27E RB	208H	MATADOR	11P-11M/23S/27E	PURPLE SAGE	211	0.70	880	9/1/2017	WFMP Y Sand
300154437600	CYPRESS FEE 23 27 9	4H	MARATHON	9L-9P/23S/27E	PURPLE SAGE	84	0.30	466	5/1/2018	WFMP Y Sand
300154437700	CYPRESS FEE 23 27 9	5H	MARATHON	9L-9I/23S/27E	PURPLE SAGE	122	0.50	596	3/1/2018	WFMP Y Sand
300154437800	CYPRESS FEE 23 27 9	6H	MARATHON	9L-9I/23S/27E	PURPLE SAGE	36	1.63	594	6/1/2018	WFMP Y Sand
300154438000	CYPRESS FEE 23 27 9	8H	MARATHON	9L-9I/23S/27E	PURPLE SAGE	78	0.38	466	3/1/2018	WFMP Y Sand
300154444300	MICHAEL COLLINS 11 23S 27E RB	203H	MATADOR	11I-11L/23S/27E	PURPLE SAGE	179	0.75	819	2/1/2018	WFMP Y Sand
300154447200	MICHAEL COLLINS 11 23S 27E RB	206H	MATADOR	11I-11E/23S/27E	PURPLE SAGE	178	0.52	796	2/1/2018	WFMP Y Sand
300154454400	WOLFMAN 5 4 WOLI FEDERAL COM	1H	MEWBOURNE	5L-4I/23S/27E	PURPLE SAGE	473	0.95	1072	4/1/2018	WFMP Y Sand
300154590400	SUNDOWN 31/32 WODA FEE	1H	MEWBOURNE	31D-32A/22S/27E	PURPLE SAGE	229	0.57	916	10/22/2019	WFMP Y Sand
300154590500	SUNDOWN 31 32 WOEH FEE	2H	MEWBOURNE	31E-32H/22S/27E	PURPLE SAGE	210	0.58	906	10/22/2019	WFMP Y Sand

ATTACHMENT C

Mewbourne Oil Company

SURVEY CALCULATION REPORT Minimum Curvature Calculations

	Operator:	Mewbourne Oil Company										Target KBTVD:	9,049 Feet	9049.00		
	Lease Name:	Tommy Boy 23/24 W0DA Fed Com 1H										Target Angle:	88.54 Degrees	88.54		
	KOP	8571.54										Section Plane:	79.21 Degrees			
												Declination Corrected to True North:		6.63 Degrees		
												Bit to Survey Offset:		44 Feet		
														+Above		
Survey	Measured	Drift	Azimuth	Course	TVD	Vertical	+N/-S	+E/-W	Closure	Closure				-Below	DRIFT	AZIMUTH
No.	Depth-ft	(Deg.)	(Deg.)	Length	(Feet)	Section	(Feet)	(Feet)	Distance	Direction	BUR	DLS	KBTVD	Target	RADIANS	(RADIANS)
T/I	8571.54	0.00	79.21	N/A	8571.5	0.0	0.0	0.0	0.0	0.0	N/A	N/A	8571.5	477.5	1E-12	1.38 #VALUE!
1	8645.32	8.85	79.21	73.78	8645.0	5.7	1.1	5.6	5.7	79.2	12.0	12.0	8644.9	404.1	0.15452	1.38 0.1545241
2	8719.09	17.71	79.21	73.78	8716.8	22.6	4.2	22.2	22.6	79.2	12.0	12.0	8716.2	332.8	0.30905	1.38 0.1545241
3	8792.87	26.56	79.21	73.78	8785.0	50.4	9.4	49.5	50.4	79.2	12.0	12.0	8783.7	265.3	0.46357	1.38 0.1545241
4	8866.65	35.41	79.21	73.78	8848.2	88.3	16.5	86.8	88.3	79.2	12.0	12.0	8846.0	203.0	0.6181	1.38 0.1545241
5	8940.43	44.27	79.21	73.78	8904.8	135.6	25.4	133.2	135.6	79.2	12.0	12.0	8901.3	147.7	0.77262	1.38 0.1545241
6	9014.21	53.12	79.21	73.78	8953.5	190.9	35.7	187.6	190.9	79.2	12.0	12.0	8948.6	100.4	0.92714	1.38 0.1545241
7	9087.99	61.98	79.21	73.78	8993.0	253.1	47.4	248.6	253.1	79.2	12.0	12.0	8986.5	62.5	1.08167	1.38 0.1545241
8	9161.77	70.83	79.21	73.78	9022.5	320.7	60.0	315.0	320.7	79.2	12.0	12.0	9014.3	34.7	1.23619	1.38 0.1545241
9	9235.55	79.68	79.21	73.78	9041.3	391.9	73.4	385.0	391.9	79.2	12.0	12.0	9031.3	17.7	1.39072	1.38 0.1545241
10	9309.33	88.54	79.21	73.78	9048.8	465.3	87.1	457.0	465.3	79.2	12.0	12.0	9037.0	12.0	1.54524	1.38 0.1545241
11	9400.00	88.54	79.21	90.666	9051.2	555.9	104.1	546.1	555.9	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38 1E-10
12	9500.00	88.54	79.21	100	9053.7	655.9	122.8	644.3	655.9	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38 1E-10
13	9600.00	88.54	79.21	100	9056.3	755.8	141.5	742.5	755.8	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38 1E-10
14	9700.00	88.54	79.21	100	9058.8	855.8	160.2	840.7	855.8	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38 1E-10
15	9800.00	88.54	79.21	100	9061.4	955.8	179.0	938.9	955.8	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38 1E-10
16	9900.00	88.54	79.21	100	9063.9	1055.7	197.7	1037.1	1055.7	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38 1E-10
17	10000.00	88.54	79.21	100	9066.5	1155.7	216.4	1135.3	1155.7	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38 1E-10
18	10100.00	88.54	79.21	100	9069.0	1255.7	235.1	1233.5	1255.7	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38 1E-10
19	10200.00	88.54	79.21	100	9071.6	1355.6	253.8	1331.7	1355.6	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38 1E-10
20	10300.00	88.54	79.21	100	9074.2	1455.6	272.5	1429.9	1455.6	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38 1E-10
21	10400.00	88.54	79.21	100	9076.7	1555.6	291.3	1528.1	1555.6	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38 1E-10
22	10500.00	88.54	79.21	100	9079.3	1655.5	310.0	1626.3	1655.5	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38 1E-10
23	10600.00	88.54	79.21	100	9081.8	1755.5	328.7	1724.5	1755.5	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38 1E-10
24	10700.00	88.54	79.21	100	9084.4	1855.5	347.4	1822.7	1855.5	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38 1E-10
25	10800.00	88.54	79.21	100	9086.9	1955.4	366.1	1920.9	1955.4	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38 1E-10

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D

26	10900.00	88.54	79.21	100	9089.5	2055.4	384.8	2019.1	2055.4	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
27	11000.00	88.54	79.21	100	9092.0	2155.4	403.6	2117.3	2155.4	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
28	11100.00	88.54	79.21	100	9094.6	2255.3	422.3	2215.5	2255.3	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
29	11200.00	88.54	79.21	100	9097.2	2355.3	441.0	2313.7	2355.3	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
30	11300.00	88.54	79.21	100	9099.7	2455.3	459.7	2411.9	2455.3	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
31	11400.00	88.54	79.21	100	9102.3	2555.2	478.4	2510.1	2555.2	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
32	11500.00	88.54	79.21	100	9104.8	2655.2	497.1	2608.3	2655.2	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
33	11600.00	88.54	79.21	100	9107.4	2755.2	515.9	2706.5	2755.2	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
34	11700.00	88.54	79.21	100	9109.9	2855.2	534.6	2804.7	2855.2	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
35	11800.00	88.54	79.21	100	9112.5	2955.1	553.3	2902.9	2955.1	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
36	11900.00	88.54	79.21	100	9115.0	3055.1	572.0	3001.1	3055.1	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
37	12000.00	88.54	79.21	100	9117.6	3155.1	590.7	3099.3	3155.1	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
38	12100.00	88.54	79.21	100	9120.2	3255.0	609.4	3197.5	3255.0	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
39	12200.00	88.54	79.21	100	9122.7	3355.0	628.2	3295.7	3355.0	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
40	12300.00	88.54	79.21	100	9125.3	3455.0	646.9	3393.9	3455.0	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
41	12400.00	88.54	79.21	100	9127.8	3554.9	665.6	3492.1	3554.9	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
42	12500.00	88.54	79.21	100	9130.4	3654.9	684.3	3590.3	3654.9	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
43	12600.00	88.54	79.21	100	9132.9	3754.9	703.0	3688.5	3754.9	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
44	12700.00	88.54	79.21	100	9135.5	3854.8	721.8	3786.7	3854.8	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
45	12800.00	88.54	79.21	100	9138.0	3954.8	740.5	3884.9	3954.8	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
46	12900.00	88.54	79.21	100	9140.6	4054.8	759.2	3983.1	4054.8	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
47	13000.00	88.54	79.21	100	9143.1	4154.7	777.9	4081.3	4154.7	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
48	13100.00	88.54	79.21	100	9145.7	4254.7	796.6	4179.5	4254.7	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
49	13200.00	88.54	79.21	100	9148.3	4354.7	815.3	4277.7	4354.7	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
50	13300.00	88.54	79.21	100	9150.8	4454.6	834.1	4375.8	4454.6	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
51	13400.00	88.54	79.21	100	9153.4	4554.6	852.8	4474.0	4554.6	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
52	13500.00	88.54	79.21	100	9155.9	4654.6	871.5	4572.2	4654.6	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
53	13600.00	88.54	79.21	100	9158.5	4754.5	890.2	4670.4	4754.5	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
54	13700.00	88.54	79.21	100	9161.0	4854.5	908.9	4768.6	4854.5	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
55	13800.00	88.54	79.21	100	9163.6	4954.5	927.6	4866.8	4954.5	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
56	13900.00	88.54	79.21	100	9166.1	5054.4	946.4	4965.0	5054.4	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
57	14000.00	88.54	79.21	100	9168.7	5154.4	965.1	5063.2	5154.4	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
58	14100.00	88.54	79.21	100	9171.3	5254.4	983.8	5161.4	5254.4	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
59	14200.00	88.54	79.21	100	9173.8	5354.3	1002.5	5259.6	5354.3	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
60	14300.00	88.54	79.21	100	9176.4	5454.3	1021.2	5357.8	5454.3	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
61	14400.00	88.54	79.21	100	9178.9	5554.3	1039.9	5456.0	5554.3	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
62	14500.00	88.54	79.21	100	9181.5	5654.2	1058.7	5554.2	5654.2	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
63	14600.00	88.54	79.21	100	9184.0	5754.2	1077.4	5652.4	5754.2	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
64	14700.00	88.54	79.21	100	9186.6	5854.2	1096.1	5750.6	5854.2	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
65	14800.00	88.54	79.21	100	9189.1	5954.1	1114.8	5848.8	5954.1	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
66	14900.00	88.54	79.21	100	9191.7	6054.1	1133.5	5947.0	6054.1	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
67	15000.00	88.54	79.21	100	9194.3	6154.1	1152.2	6045.2	6154.1	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10

68	15100.00	88.54	79.21	100	9196.8	6254.0	1171.0	6143.4	6254.0	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
69	15200.00	88.54	79.21	100	9199.4	6354.0	1189.7	6241.6	6354.0	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
70	15300.00	88.54	79.21	100	9201.9	6454.0	1208.4	6339.8	6454.0	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
71	15400.00	88.54	79.21	100	9204.5	6553.9	1227.1	6438.0	6553.9	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
72	15500.00	88.54	79.21	100	9207.0	6653.9	1245.8	6536.2	6653.9	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
73	15600.00	88.54	79.21	100	9209.6	6753.9	1264.6	6634.4	6753.9	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
74	15700.00	88.54	79.21	100	9212.1	6853.8	1283.3	6732.6	6853.8	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
75	15800.00	88.54	79.21	100	9214.7	6953.8	1302.0	6830.8	6953.8	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
76	15900.00	88.54	79.21	100	9217.2	7053.8	1320.7	6929.0	7053.8	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
77	16000.00	88.54	79.21	100	9219.8	7153.7	1339.4	7027.2	7153.7	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
78	16100.00	88.54	79.21	100	9222.4	7253.7	1358.1	7125.4	7253.7	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
79	16200.00	88.54	79.21	100	9224.9	7353.7	1376.9	7223.6	7353.7	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
80	16300.00	88.54	79.21	100	9227.5	7453.6	1395.6	7321.8	7453.6	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
81	16400.00	88.54	79.21	100	9230.0	7553.6	1414.3	7420.0	7553.6	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
82	16500.00	88.54	79.21	100	9232.6	7653.6	1433.0	7518.2	7653.6	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
83	16600.00	88.54	79.21	100	9235.1	7753.6	1451.7	7616.4	7753.6	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
84	16700.00	88.54	79.21	100	9237.7	7853.5	1470.4	7714.6	7853.5	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
85	16800.00	88.54	79.21	100	9240.2	7953.5	1489.2	7812.8	7953.5	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
86	16900.00	88.54	79.21	100	9242.8	8053.5	1507.9	7911.0	8053.5	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
87	17000.00	88.54	79.21	100	9245.4	8153.4	1526.6	8009.2	8153.4	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
88	17100.00	88.54	79.21	100	9247.9	8253.4	1545.3	8107.4	8253.4	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
89	17200.00	88.54	79.21	100	9250.5	8353.4	1564.0	8205.6	8353.4	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
90	17300.00	88.54	79.21	100	9253.0	8453.3	1582.7	8303.8	8453.3	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
91	17400.00	88.54	79.21	100	9255.6	8553.3	1601.5	8402.0	8553.3	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
92	17500.00	88.54	79.21	100	9258.1	8653.3	1620.2	8500.2	8653.3	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
93	17600.00	88.54	79.21	100	9260.7	8753.2	1638.9	8598.4	8753.2	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
94	17700.00	88.54	79.21	100	9263.2	8853.2	1657.6	8696.6	8853.2	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
95	17800.00	88.54	79.21	100	9265.8	8953.2	1676.3	8794.8	8953.2	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
96	17900.00	88.54	79.21	100	9268.4	9053.1	1695.0	8893.0	9053.1	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
97	18000.00	88.54	79.21	100	9270.9	9153.1	1713.8	8991.2	9153.1	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
98	18100.00	88.54	79.21	100	9273.5	9253.1	1732.5	9089.4	9253.1	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
99	18200.00	88.54	79.21	100	9276.0	9353.0	1751.2	9187.6	9353.0	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
100	18300.00	88.54	79.21	100	9278.6	9453.0	1769.9	9285.8	9453.0	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
101	18400.00	88.54	79.21	100	9281.1	9553.0	1788.6	9384.0	9553.0	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
102	18500.00	88.54	79.21	100	9283.7	9652.9	1807.4	9482.2	9652.9	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
103	18600.00	88.54	79.21	100	9286.2	9752.9	1826.1	9580.4	9752.9	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
104	18700.00	88.54	79.21	100	9288.8	9852.9	1844.8	9678.6	9852.9	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
105	18800.00	88.54	79.21	100	9291.4	9952.8	1863.5	9776.8	9952.8	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
106	18900.00	88.54	79.21	100	9293.9	10052.8	1882.2	9875.0	10052.8	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
107	19000.00	88.54	79.21	100	9296.5	10152.8	1900.9	9973.2	10152.8	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
108	19100.00	88.54	79.21	100	9299.0	10252.7	1919.7	10071.4	10252.7	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
109	19200.00	88.54	79.21	100	9301.6	10352.7	1938.4	10169.6	10352.7	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10

110	19300.00	88.54	79.21	100	9304.1	10452.7	1957.1	10267.8	10452.7	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
111	19400.00	88.54	79.21	100	9306.7	10552.6	1975.8	10366.0	10552.6	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
112	19500.00	88.54	79.21	100	9309.2	10652.6	1994.5	10464.2	10652.6	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
113	19600.00	88.54	79.21	100	9311.8	10752.6	2013.2	10562.4	10752.6	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
114	19700.00	88.54	79.21	100	9314.3	10852.5	2032.0	10660.6	10852.5	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
115	19800.00	88.54	79.21	100	9316.9	10952.5	2050.7	10758.8	10952.5	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10
116	19884.72	88.54	79.21	84.718	9319.1	11037.2	2066.5	10842.0	11037.2	79.2	0.0	0.0	9037.0	12.0	1.54524	1.38	1E-10

Mewbourne Oil Company

SURVEY CALCULATION REPORT

Minimum Curvature Calculations

Operator: Mewbourne Oil Company

Lease Name: ommy Boy 23/24 W0EH Fed Com L
KOP 8561.54

Target KBTVD: 9,039 Feet 9039.00

Target Angle: 88.45 Degrees 88.45

Section Plane: 87.01 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 (RADIANS)	AZIMUTH
T/I	8561.54	0.00	87.01	N/A	8561.5	0.0	0.0	0.0	0.0	0.0	N/A	N/A	8561.5	477.5	1E-12	1.52 #VALUE!
1	8635.25	8.85	87.01	73.711	8635.0	5.7	0.3	5.7	5.7	87.0	12.0	12.0	8634.8	404.2	0.15438	1.52 0.1543795
2	8708.96	17.69	87.01	73.711	8706.6	22.6	1.2	22.5	22.6	87.0	12.0	12.0	8706.0	333.0	0.30876	1.52 0.1543795
3	8782.67	26.54	87.01	73.711	8774.8	50.3	2.6	50.2	50.3	87.0	12.0	12.0	8773.5	265.5	0.46314	1.52 0.1543795
4	8856.38	35.38	87.01	73.711	8838.0	88.2	4.6	88.1	88.2	87.0	12.0	12.0	8835.6	203.4	0.61752	1.52 0.1543795
5	8930.09	44.23	87.01	73.711	8894.6	135.3	7.1	135.1	135.3	87.0	12.0	12.0	8890.9	148.1	0.7719	1.52 0.1543795
6	9003.80	53.07	87.01	73.711	8943.2	190.6	10.0	190.3	190.6	87.0	12.0	12.0	8938.1	100.9	0.92628	1.52 0.1543795
7	9077.51	61.92	87.01	73.711	8982.8	252.7	13.2	252.4	252.7	87.0	12.0	12.0	8976.0	63.0	1.08066	1.52 0.1543795
8	9151.22	70.76	87.01	73.711	9012.3	320.1	16.7	319.7	320.1	87.0	12.0	12.0	9003.7	35.3	1.23504	1.52 0.1543795
9	9224.93	79.61	87.01	73.711	9031.2	391.3	20.4	390.8	391.3	87.0	12.0	12.0	9020.6	18.4	1.38942	1.52 0.1543795
10	9298.64	88.45	87.01	73.711	9038.8	464.6	24.3	463.9	464.6	87.0	12.0	12.0	9026.3	12.7	1.54379	1.52 0.1543795
11	9300.00	88.45	87.01	1.3571	9038.9	465.9	24.3	465.3	465.9	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52 1E-10
12	9400.00	88.45	87.01	100	9041.6	565.9	29.6	565.1	565.9	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52 1E-10
13	9500.00	88.45	87.01	100	9044.3	665.9	34.8	664.9	665.9	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52 1E-10
14	9600.00	88.45	87.01	100	9047.0	765.8	40.0	764.8	765.8	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52 1E-10
15	9700.00	88.45	87.01	100	9049.7	865.8	45.2	864.6	865.8	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52 1E-10
16	9800.00	88.45	87.01	100	9052.4	965.7	50.4	964.4	965.7	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52 1E-10
17	9900.00	88.45	87.01	100	9055.1	1065.7	55.7	1064.3	1065.7	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52 1E-10
18	10000.00	88.45	87.01	100	9057.8	1165.7	60.9	1164.1	1165.7	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52 1E-10
19	10100.00	88.45	87.01	100	9060.5	1265.6	66.1	1263.9	1265.6	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52 1E-10
20	10200.00	88.45	87.01	100	9063.2	1365.6	71.3	1363.7	1365.6	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52 1E-10
21	10300.00	88.45	87.01	100	9065.9	1465.6	76.6	1463.6	1465.6	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52 1E-10
22	10400.00	88.45	87.01	100	9068.6	1565.5	81.8	1563.4	1565.5	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52 1E-10

23	10500.00	88.45	87.01	100	9071.3	1665.5	87.0	1663.2	1665.5	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
24	10600.00	88.45	87.01	100	9074.0	1765.5	92.2	1763.0	1765.5	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
25	10700.00	88.45	87.01	100	9076.7	1865.4	97.4	1862.9	1865.4	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
26	10800.00	88.45	87.01	100	9079.4	1965.4	102.7	1962.7	1965.4	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
27	10900.00	88.45	87.01	100	9082.1	2065.3	107.9	2062.5	2065.3	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
28	11000.00	88.45	87.01	100	9084.8	2165.3	113.1	2162.4	2165.3	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
29	11100.00	88.45	87.01	100	9087.5	2265.3	118.3	2262.2	2265.3	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
30	11200.00	88.45	87.01	100	9090.2	2365.2	123.5	2362.0	2365.2	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
31	11300.00	88.45	87.01	100	9092.9	2465.2	128.8	2461.8	2465.2	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
32	11400.00	88.45	87.01	100	9095.6	2565.2	134.0	2561.7	2565.2	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
33	11500.00	88.45	87.01	100	9098.3	2665.1	139.2	2661.5	2665.1	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
34	11600.00	88.45	87.01	100	9101.0	2765.1	144.4	2761.3	2765.1	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
35	11700.00	88.45	87.01	100	9103.7	2865.1	149.7	2861.1	2865.1	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
36	11800.00	88.45	87.01	100	9106.4	2965.0	154.9	2961.0	2965.0	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
37	11900.00	88.45	87.01	100	9109.1	3065.0	160.1	3060.8	3065.0	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
38	12000.00	88.45	87.01	100	9111.8	3164.9	165.3	3160.6	3164.9	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
39	12100.00	88.45	87.01	100	9114.5	3264.9	170.5	3260.5	3264.9	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
40	12200.00	88.45	87.01	100	9117.2	3364.9	175.8	3360.3	3364.9	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
41	12300.00	88.45	87.01	100	9119.9	3464.8	181.0	3460.1	3464.8	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
42	12400.00	88.45	87.01	100	9122.6	3564.8	186.2	3559.9	3564.8	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
43	12500.00	88.45	87.01	100	9125.3	3664.8	191.4	3659.8	3664.8	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
44	12600.00	88.45	87.01	100	9128.0	3764.7	196.6	3759.6	3764.7	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
45	12700.00	88.45	87.01	100	9130.7	3864.7	201.9	3859.4	3864.7	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
46	12800.00	88.45	87.01	100	9133.4	3964.7	207.1	3959.2	3964.7	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
47	12900.00	88.45	87.01	100	9136.1	4064.6	212.3	4059.1	4064.6	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
48	13000.00	88.45	87.01	100	9138.8	4164.6	217.5	4158.9	4164.6	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
49	13100.00	88.45	87.01	100	9141.5	4264.5	222.8	4258.7	4264.5	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
50	13200.00	88.45	87.01	100	9144.2	4364.5	228.0	4358.6	4364.5	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
51	13300.00	88.45	87.01	100	9146.9	4464.5	233.2	4458.4	4464.5	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
52	13400.00	88.45	87.01	100	9149.6	4564.4	238.4	4558.2	4564.4	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
53	13500.00	88.45	87.01	100	9152.3	4664.4	243.6	4658.0	4664.4	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
54	13600.00	88.45	87.01	100	9155.0	4764.4	248.9	4757.9	4764.4	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
55	13700.00	88.45	87.01	100	9157.7	4864.3	254.1	4857.7	4864.3	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
56	13800.00	88.45	87.01	100	9160.4	4964.3	259.3	4957.5	4964.3	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
57	13900.00	88.45	87.01	100	9163.1	5064.3	264.5	5057.3	5064.3	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
58	14000.00	88.45	87.01	100	9165.8	5164.2	269.7	5157.2	5164.2	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
59	14100.00	88.45	87.01	100	9168.5	5264.2	275.0	5257.0	5264.2	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
60	14200.00	88.45	87.01	100	9171.2	5364.1	280.2	5356.8	5364.1	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
61	14300.00	88.45	87.01	100	9173.9	5464.1	285.4	5456.6	5464.1	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10

62	14400.00	88.45	87.01	100	9176.6	5564.1	290.6	5556.5	5564.1	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
63	14500.00	88.45	87.01	100	9179.3	5664.0	295.9	5656.3	5664.0	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
64	14600.00	88.45	87.01	100	9182.0	5764.0	301.1	5756.1	5764.0	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
65	14700.00	88.45	87.01	100	9184.7	5864.0	306.3	5856.0	5864.0	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
66	14800.00	88.45	87.01	100	9187.4	5963.9	311.5	5955.8	5963.9	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
67	14900.00	88.45	87.01	100	9190.1	6063.9	316.7	6055.6	6063.9	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
68	15000.00	88.45	87.01	100	9192.8	6163.9	322.0	6155.4	6163.9	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
69	15100.00	88.45	87.01	100	9195.5	6263.8	327.2	6255.3	6263.8	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
70	15200.00	88.45	87.01	100	9198.2	6363.8	332.4	6355.1	6363.8	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
71	15300.00	88.45	87.01	100	9200.9	6463.7	337.6	6454.9	6463.7	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
72	15400.00	88.45	87.01	100	9203.6	6563.7	342.8	6554.7	6563.7	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
73	15500.00	88.45	87.01	100	9206.3	6663.7	348.1	6654.6	6663.7	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
74	15600.00	88.45	87.01	100	9209.0	6763.6	353.3	6754.4	6763.6	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
75	15700.00	88.45	87.01	100	9211.7	6863.6	358.5	6854.2	6863.6	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
76	15800.00	88.45	87.01	100	9214.4	6963.6	363.7	6954.1	6963.6	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
77	15900.00	88.45	87.01	100	9217.1	7063.5	369.0	7053.9	7063.5	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
78	16000.00	88.45	87.01	100	9219.8	7163.5	374.2	7153.7	7163.5	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
79	16100.00	88.45	87.01	100	9222.5	7263.5	379.4	7253.5	7263.5	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
80	16200.00	88.45	87.01	100	9225.2	7363.4	384.6	7353.4	7363.4	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
81	16300.00	88.45	87.01	100	9227.9	7463.4	389.8	7453.2	7463.4	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
82	16400.00	88.45	87.01	100	9230.6	7563.3	395.1	7553.0	7563.3	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
83	16500.00	88.45	87.01	100	9233.3	7663.3	400.3	7652.8	7663.3	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
84	16600.00	88.45	87.01	100	9236.0	7763.3	405.5	7752.7	7763.3	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
85	16700.00	88.45	87.01	100	9238.7	7863.2	410.7	7852.5	7863.2	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
86	16800.00	88.45	87.01	100	9241.3	7963.2	415.9	7952.3	7963.2	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
87	16900.00	88.45	87.01	100	9244.0	8063.2	421.2	8052.2	8063.2	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
88	17000.00	88.45	87.01	100	9246.7	8163.1	426.4	8152.0	8163.1	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
89	17100.00	88.45	87.01	100	9249.4	8263.1	431.6	8251.8	8263.1	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
90	17200.00	88.45	87.01	100	9252.1	8363.1	436.8	8351.6	8363.1	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
91	17300.00	88.45	87.01	100	9254.8	8463.0	442.1	8451.5	8463.0	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
92	17400.00	88.45	87.01	100	9257.5	8563.0	447.3	8551.3	8563.0	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
93	17500.00	88.45	87.01	100	9260.2	8662.9	452.5	8651.1	8662.9	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
94	17600.00	88.45	87.01	100	9262.9	8762.9	457.7	8750.9	8762.9	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
95	17700.00	88.45	87.01	100	9265.6	8862.9	462.9	8850.8	8862.9	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
96	17800.00	88.45	87.01	100	9268.3	8962.8	468.2	8950.6	8962.8	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
97	17900.00	88.45	87.01	100	9271.0	9062.8	473.4	9050.4	9062.8	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
98	18000.00	88.45	87.01	100	9273.7	9162.8	478.6	9150.3	9162.8	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
99	18100.00	88.45	87.01	100	9276.4	9262.7	483.8	9250.1	9262.7	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
100	18200.00	88.45	87.01	100	9279.1	9362.7	489.0	9349.9	9362.7	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10

101	18300.00	88.45	87.01	100	9281.8	9462.7	494.3	9449.7	9462.7	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
102	18400.00	88.45	87.01	100	9284.5	9562.6	499.5	9549.6	9562.6	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
103	18500.00	88.45	87.01	100	9287.2	9662.6	504.7	9649.4	9662.6	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
104	18600.00	88.45	87.01	100	9289.9	9762.5	509.9	9749.2	9762.5	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
105	18700.00	88.45	87.01	100	9292.6	9862.5	515.2	9849.0	9862.5	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
106	18800.00	88.45	87.01	100	9295.3	9962.5	520.4	9948.9	9962.5	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
107	18900.00	88.45	87.01	100	9298.0	10062.4	525.6	10048.7	10062.4	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
108	19000.00	88.45	87.01	100	9300.7	10162.4	530.8	10148.5	10162.4	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
109	19100.00	88.45	87.01	100	9303.4	10262.4	536.0	10248.3	10262.4	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
110	19200.00	88.45	87.01	100	9306.1	10362.3	541.3	10348.2	10362.3	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
111	19300.00	88.45	87.01	100	9308.8	10462.3	546.5	10448.0	10462.3	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
112	19400.00	88.45	87.01	100	9311.5	10562.2	551.7	10547.8	10562.2	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
113	19500.00	88.45	87.01	100	9314.2	10662.2	556.9	10647.7	10662.2	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10
114	19600.00	88.45	87.01	100	9316.9	10762.2	562.1	10747.5	10762.2	87.0	0.0	0.0	9026.3	12.7	1.54379	1.52	1E-10

Mewbourne Oil Company

SURVEY CALCULATION REPORT

Minimum Curvature Calculations

Operator: Mewbourne Oil Company
 Lease Name: Tommy Boy 23/24 W0L1 Fee 1H
 KOP 8545.54

Target KBTVD: 9,023 Feet 9023.00
 Target Angle: 88.29 Degrees 88.29
 Section Plane: 92.15 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	AZIMUTH (RADIAN)
T/I	8545.54	0.00	92.15	N/A	8545.5	0.0	0.0	0.0	0.0	0.0	N/A	N/A	8545.5	477.5	1E-12	1.61 #VALUE!
1	8619.11	8.83	92.15	73.575	8618.8	5.7	-0.2	5.7	5.7	92.2	12.0	12.0	8618.6	404.4	0.15409	1.61 0.1540943
2	8692.68	17.66	92.15	73.575	8690.4	22.5	-0.8	22.5	22.5	92.2	12.0	12.0	8689.7	333.3	0.30819	1.61 0.1540943
3	8766.26	26.49	92.15	73.575	8758.5	50.1	-1.9	50.1	50.1	92.2	12.0	12.0	8757.0	266.0	0.46228	1.61 0.1540943
4	8839.83	35.32	92.15	73.575	8821.5	87.9	-3.3	87.8	87.9	92.2	12.0	12.0	8818.9	204.1	0.61638	1.61 0.1540943
5	8913.41	44.14	92.15	73.575	8878.1	134.8	-5.1	134.7	134.8	92.2	12.0	12.0	8874.0	149.0	0.77047	1.61 0.1540943
6	8986.98	52.97	92.15	73.575	8926.7	189.9	-7.1	189.8	189.9	92.2	12.0	12.0	8921.1	101.9	0.92457	1.61 0.1540943
7	9060.56	61.80	92.15	73.575	8966.3	251.9	-9.5	251.7	251.9	92.2	12.0	12.0	8958.8	64.2	1.07866	1.61 0.1540943
8	9134.13	70.63	92.15	73.575	8996.0	319.1	-12.0	318.9	319.1	92.2	12.0	12.0	8986.4	36.6	1.23275	1.61 0.1540943
9	9207.71	79.46	92.15	73.575	9014.9	390.1	-14.6	389.9	390.1	92.2	12.0	12.0	9003.3	19.7	1.38685	1.61 0.1540943
10	9281.28	88.29	92.15	73.575	9022.8	463.2	-17.4	462.9	463.2	92.2	12.0	12.0	9009.0	14.0	1.54094	1.61 0.1540943
11	9300.00	88.29	92.15	18.719	9023.3	481.9	-18.1	481.6	481.9	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61 1E-10
12	9400.00	88.29	92.15	100	9026.3	581.9	-21.8	581.5	581.9	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61 1E-10
13	9500.00	88.29	92.15	100	9029.3	681.8	-25.6	681.4	681.8	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61 1E-10
14	9600.00	88.29	92.15	100	9032.3	781.8	-29.3	781.2	781.8	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61 1E-10
15	9700.00	88.29	92.15	100	9035.3	881.7	-33.1	881.1	881.7	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61 1E-10
16	9800.00	88.29	92.15	100	9038.3	981.7	-36.8	981.0	981.7	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61 1E-10
17	9900.00	88.29	92.15	100	9041.3	1081.7	-40.6	1080.9	1081.7	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61 1E-10
18	10000.00	88.29	92.15	100	9044.2	1181.6	-44.3	1180.8	1181.6	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61 1E-10
19	10100.00	88.29	92.15	100	9047.2	1281.6	-48.1	1280.7	1281.6	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61 1E-10
20	10200.00	88.29	92.15	100	9050.2	1381.5	-51.8	1380.5	1381.5	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61 1E-10
21	10300.00	88.29	92.15	100	9053.2	1481.5	-55.6	1480.4	1481.5	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61 1E-10
22	10400.00	88.29	92.15	100	9056.2	1581.4	-59.3	1580.3	1581.4	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61 1E-10

23	10500.00	88.29	92.15	100	9059.2	1681.4	-63.1	1680.2	1681.4	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
24	10600.00	88.29	92.15	100	9062.2	1781.3	-66.8	1780.1	1781.3	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
25	10700.00	88.29	92.15	100	9065.1	1881.3	-70.6	1880.0	1881.3	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
26	10800.00	88.29	92.15	100	9068.1	1981.3	-74.3	1979.9	1981.3	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
27	10900.00	88.29	92.15	100	9071.1	2081.2	-78.1	2079.7	2081.2	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
28	11000.00	88.29	92.15	100	9074.1	2181.2	-81.9	2179.6	2181.2	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
29	11100.00	88.29	92.15	100	9077.1	2281.1	-85.6	2279.5	2281.1	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
30	11200.00	88.29	92.15	100	9080.1	2381.1	-89.4	2379.4	2381.1	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
31	11300.00	88.29	92.15	100	9083.0	2481.0	-93.1	2479.3	2481.0	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
32	11400.00	88.29	92.15	100	9086.0	2581.0	-96.9	2579.2	2581.0	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
33	11500.00	88.29	92.15	100	9089.0	2680.9	-100.6	2679.1	2680.9	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
34	11600.00	88.29	92.15	100	9092.0	2780.9	-104.4	2778.9	2780.9	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
35	11700.00	88.29	92.15	100	9095.0	2880.9	-108.1	2878.8	2880.9	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
36	11800.00	88.29	92.15	100	9098.0	2980.8	-111.9	2978.7	2980.8	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
37	11900.00	88.29	92.15	100	9101.0	3080.8	-115.6	3078.6	3080.8	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
38	12000.00	88.29	92.15	100	9103.9	3180.7	-119.4	3178.5	3180.7	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
39	12100.00	88.29	92.15	100	9106.9	3280.7	-123.1	3278.4	3280.7	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
40	12200.00	88.29	92.15	100	9109.9	3380.6	-126.9	3378.3	3380.6	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
41	12300.00	88.29	92.15	100	9112.9	3480.6	-130.6	3478.1	3480.6	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
42	12400.00	88.29	92.15	100	9115.9	3580.5	-134.4	3578.0	3580.5	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
43	12500.00	88.29	92.15	100	9118.9	3680.5	-138.1	3677.9	3680.5	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
44	12600.00	88.29	92.15	100	9121.8	3780.5	-141.9	3777.8	3780.5	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
45	12700.00	88.29	92.15	100	9124.8	3880.4	-145.6	3877.7	3880.4	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
46	12800.00	88.29	92.15	100	9127.8	3980.4	-149.4	3977.6	3980.4	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
47	12900.00	88.29	92.15	100	9130.8	4080.3	-153.1	4077.4	4080.3	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
48	13000.00	88.29	92.15	100	9133.8	4180.3	-156.9	4177.3	4180.3	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
49	13100.00	88.29	92.15	100	9136.8	4280.2	-160.6	4277.2	4280.2	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
50	13200.00	88.29	92.15	100	9139.8	4380.2	-164.4	4377.1	4380.2	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
51	13300.00	88.29	92.15	100	9142.7	4480.1	-168.1	4477.0	4480.1	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
52	13400.00	88.29	92.15	100	9145.7	4580.1	-171.9	4576.9	4580.1	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
53	13500.00	88.29	92.15	100	9148.7	4680.1	-175.6	4676.8	4680.1	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
54	13600.00	88.29	92.15	100	9151.7	4780.0	-179.4	4776.6	4780.0	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
55	13700.00	88.29	92.15	100	9154.7	4880.0	-183.1	4876.5	4880.0	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
56	13800.00	88.29	92.15	100	9157.7	4979.9	-186.9	4976.4	4979.9	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
57	13900.00	88.29	92.15	100	9160.7	5079.9	-190.6	5076.3	5079.9	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
58	14000.00	88.29	92.15	100	9163.6	5179.8	-194.4	5176.2	5179.8	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
59	14100.00	88.29	92.15	100	9166.6	5279.8	-198.1	5276.1	5279.8	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
60	14200.00	88.29	92.15	100	9169.6	5379.7	-201.9	5376.0	5379.7	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
61	14300.00	88.29	92.15	100	9172.6	5479.7	-205.6	5475.8	5479.7	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10

62	14400.00	88.29	92.15	100	9175.6	5579.7	-209.4	5575.7	5579.7	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
63	14500.00	88.29	92.15	100	9178.6	5679.6	-213.1	5675.6	5679.6	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
64	14600.00	88.29	92.15	100	9181.5	5779.6	-216.9	5775.5	5779.6	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
65	14700.00	88.29	92.15	100	9184.5	5879.5	-220.6	5875.4	5879.5	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
66	14800.00	88.29	92.15	100	9187.5	5979.5	-224.4	5975.3	5979.5	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
67	14900.00	88.29	92.15	100	9190.5	6079.4	-228.1	6075.1	6079.4	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
68	15000.00	88.29	92.15	100	9193.5	6179.4	-231.9	6175.0	6179.4	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
69	15100.00	88.29	92.15	100	9196.5	6279.3	-235.6	6274.9	6279.3	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
70	15200.00	88.29	92.15	100	9199.5	6379.3	-239.4	6374.8	6379.3	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
71	15300.00	88.29	92.15	100	9202.4	6479.2	-243.1	6474.7	6479.2	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
72	15400.00	88.29	92.15	100	9205.4	6579.2	-246.9	6574.6	6579.2	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
73	15500.00	88.29	92.15	100	9208.4	6679.2	-250.6	6674.5	6679.2	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
74	15600.00	88.29	92.15	100	9211.4	6779.1	-254.4	6774.3	6779.1	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
75	15700.00	88.29	92.15	100	9214.4	6879.1	-258.1	6874.2	6879.1	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
76	15800.00	88.29	92.15	100	9217.4	6979.0	-261.9	6974.1	6979.0	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
77	15900.00	88.29	92.15	100	9220.4	7079.0	-265.6	7074.0	7079.0	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
78	16000.00	88.29	92.15	100	9223.3	7178.9	-269.4	7173.9	7178.9	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
79	16100.00	88.29	92.15	100	9226.3	7278.9	-273.1	7273.8	7278.9	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
80	16200.00	88.29	92.15	100	9229.3	7378.8	-276.9	7373.7	7378.8	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
81	16300.00	88.29	92.15	100	9232.3	7478.8	-280.6	7473.5	7478.8	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
82	16400.00	88.29	92.15	100	9235.3	7578.8	-284.4	7573.4	7578.8	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
83	16500.00	88.29	92.15	100	9238.3	7678.7	-288.2	7673.3	7678.7	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
84	16600.00	88.29	92.15	100	9241.2	7778.7	-291.9	7773.2	7778.7	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
85	16700.00	88.29	92.15	100	9244.2	7878.6	-295.7	7873.1	7878.6	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
86	16800.00	88.29	92.15	100	9247.2	7978.6	-299.4	7973.0	7978.6	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
87	16900.00	88.29	92.15	100	9250.2	8078.5	-303.2	8072.8	8078.5	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
88	17000.00	88.29	92.15	100	9253.2	8178.5	-306.9	8172.7	8178.5	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
89	17100.00	88.29	92.15	100	9256.2	8278.4	-310.7	8272.6	8278.4	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
90	17200.00	88.29	92.15	100	9259.2	8378.4	-314.4	8372.5	8378.4	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
91	17300.00	88.29	92.15	100	9262.1	8478.4	-318.2	8472.4	8478.4	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
92	17400.00	88.29	92.15	100	9265.1	8578.3	-321.9	8572.3	8578.3	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
93	17500.00	88.29	92.15	100	9268.1	8678.3	-325.7	8672.2	8678.3	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
94	17600.00	88.29	92.15	100	9271.1	8778.2	-329.4	8772.0	8778.2	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
95	17700.00	88.29	92.15	100	9274.1	8878.2	-333.2	8871.9	8878.2	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
96	17800.00	88.29	92.15	100	9277.1	8978.1	-336.9	8971.8	8978.1	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
97	17900.00	88.29	92.15	100	9280.0	9078.1	-340.7	9071.7	9078.1	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
98	18000.00	88.29	92.15	100	9283.0	9178.0	-344.4	9171.6	9178.0	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
99	18100.00	88.29	92.15	100	9286.0	9278.0	-348.2	9271.5	9278.0	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
100	18200.00	88.29	92.15	100	9289.0	9378.0	-351.9	9371.4	9378.0	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10

101	18300.00	88.29	92.15	100	9292.0	9477.9	-355.7	9471.2	9477.9	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
102	18400.00	88.29	92.15	100	9295.0	9577.9	-359.4	9571.1	9577.9	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
103	18500.00	88.29	92.15	100	9298.0	9677.8	-363.2	9671.0	9677.8	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
104	18600.00	88.29	92.15	100	9300.9	9777.8	-366.9	9770.9	9777.8	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
105	18700.00	88.29	92.15	100	9303.9	9877.7	-370.7	9870.8	9877.7	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
106	18800.00	88.29	92.15	100	9306.9	9977.7	-374.4	9970.7	9977.7	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
107	18900.00	88.29	92.15	100	9309.9	10077.6	-378.2	10070.5	10077.6	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
108	19000.00	88.29	92.15	100	9312.9	10177.6	-381.9	10170.4	10177.6	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
109	19100.00	88.29	92.15	100	9315.9	10277.6	-385.7	10270.3	10277.6	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
110	19200.00	88.29	92.15	100	9318.9	10377.5	-389.4	10370.2	10377.5	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
111	19300.00	88.29	92.15	100	9321.8	10477.5	-393.2	10470.1	10477.5	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
112	19400.00	88.29	92.15	100	9324.8	10577.4	-396.9	10570.0	10577.4	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
113	19500.00	88.29	92.15	100	9327.8	10677.4	-400.7	10669.9	10677.4	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10
114	19600.00	88.29	92.15	100	9330.8	10777.3	-404.4	10769.7	10777.3	92.2	0.0	0.0	9009.0	14.0	1.54094	1.61	1E-10

Mewbourne Oil Company

SURVEY CALCULATION REPORT

Minimum Curvature Calculations

Operator: Mewbourne Oil Company
Lease Name: Tommy Boy 23/24 W0MP Fee 1H
KOP 8535.54

Target KBTVD: 9,013 Feet
Target Angle: 88.10 Degrees
Section Plane: 99.37 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	8535.54	0.00	99.37	N/A	8535.5	0.0	0.0	0.0	0.0	0.0	N/A	N/A	8535.5	477.5	1E-12	1.73
1	8608.95	8.81	99.37	73.419	8608.7	5.6	-0.9	5.6	5.6	99.4	12.0	12.0	8608.5	404.5	0.15377	1.73
2	8682.37	17.62	99.37	73.419	8680.1	22.4	-3.6	22.1	22.4	99.4	12.0	12.0	8679.3	333.7	0.30754	1.73
3	8755.79	26.43	99.37	73.419	8748.1	49.9	-8.1	49.2	49.9	99.4	12.0	12.0	8746.4	266.6	0.4613	1.73
4	8829.21	35.24	99.37	73.419	8811.0	87.5	-14.2	86.3	87.5	99.4	12.0	12.0	8808.1	204.9	0.61507	1.73
5	8902.63	44.05	99.37	73.419	8867.5	134.3	-21.9	132.5	134.3	99.4	12.0	12.0	8863.1	149.9	0.76884	1.73
6	8976.05	52.86	99.37	73.419	8916.2	189.2	-30.8	186.7	189.2	99.4	12.0	12.0	8909.9	103.1	0.92261	1.73
7	9049.47	61.67	99.37	73.419	8955.8	250.9	-40.8	247.5	250.9	99.4	12.0	12.0	8947.5	65.5	1.07637	1.73
8	9122.88	70.48	99.37	73.419	8985.6	317.9	-51.8	313.7	317.9	99.4	12.0	12.0	8975.0	38.0	1.23014	1.73
9	9196.30	79.29	99.37	73.419	9004.7	388.8	-63.3	383.6	388.8	99.4	12.0	12.0	8991.8	21.2	1.38391	1.73
10	9269.72	88.10	99.37	73.419	9012.7	461.7	-75.2	455.5	461.7	99.4	12.0	12.0	8997.4	15.6	1.53768	1.73
11	9300.00	88.10	99.37	30.278	9013.7	491.9	-80.1	485.4	491.9	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73
12	9400.00	88.10	99.37	100	9017.1	591.9	-96.4	584.0	591.9	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73
13	9500.00	88.10	99.37	100	9020.4	691.8	-112.6	682.6	691.8	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73
14	9600.00	88.10	99.37	100	9023.7	791.8	-128.9	781.2	791.8	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73
15	9700.00	88.10	99.37	100	9027.0	891.7	-145.2	879.8	891.7	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73
16	9800.00	88.10	99.37	100	9030.3	991.6	-161.4	978.4	991.6	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73
17	9900.00	88.10	99.37	100	9033.6	1091.6	-177.7	1077.0	1091.6	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73
18	10000.00	88.10	99.37	100	9036.9	1191.5	-194.0	1175.6	1191.5	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73
19	10100.00	88.10	99.37	100	9040.2	1291.5	-210.3	1274.2	1291.5	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73
20	10200.00	88.10	99.37	100	9043.5	1391.4	-226.5	1372.9	1391.4	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73
21	10300.00	88.10	99.37	100	9046.9	1491.4	-242.8	1471.5	1491.4	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73
22	10400.00	88.10	99.37	100	9050.2	1591.3	-259.1	1570.1	1591.3	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73

23	10500.00	88.10	99.37	100	9053.5	1691.3	-275.3	1668.7	1691.3	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
24	10600.00	88.10	99.37	100	9056.8	1791.2	-291.6	1767.3	1791.2	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
25	10700.00	88.10	99.37	100	9060.1	1891.1	-307.9	1865.9	1891.1	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
26	10800.00	88.10	99.37	100	9063.4	1991.1	-324.2	1964.5	1991.1	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
27	10900.00	88.10	99.37	100	9066.7	2091.0	-340.4	2063.1	2091.0	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
28	11000.00	88.10	99.37	100	9070.0	2191.0	-356.7	2161.8	2191.0	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
29	11100.00	88.10	99.37	100	9073.3	2290.9	-373.0	2260.4	2290.9	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
30	11200.00	88.10	99.37	100	9076.7	2390.9	-389.2	2359.0	2390.9	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
31	11300.00	88.10	99.37	100	9080.0	2490.8	-405.5	2457.6	2490.8	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
32	11400.00	88.10	99.37	100	9083.3	2590.8	-421.8	2556.2	2590.8	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
33	11500.00	88.10	99.37	100	9086.6	2690.7	-438.0	2654.8	2690.7	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
34	11600.00	88.10	99.37	100	9089.9	2790.7	-454.3	2753.4	2790.7	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
35	11700.00	88.10	99.37	100	9093.2	2890.6	-470.6	2852.0	2890.6	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
36	11800.00	88.10	99.37	100	9096.5	2990.5	-486.9	2950.6	2990.5	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
37	11900.00	88.10	99.37	100	9099.8	3090.5	-503.1	3049.3	3090.5	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
38	12000.00	88.10	99.37	100	9103.1	3190.4	-519.4	3147.9	3190.4	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
39	12100.00	88.10	99.37	100	9106.5	3290.4	-535.7	3246.5	3290.4	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
40	12200.00	88.10	99.37	100	9109.8	3390.3	-551.9	3345.1	3390.3	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
41	12300.00	88.10	99.37	100	9113.1	3490.3	-568.2	3443.7	3490.3	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
42	12400.00	88.10	99.37	100	9116.4	3590.2	-584.5	3542.3	3590.2	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
43	12500.00	88.10	99.37	100	9119.7	3690.2	-600.8	3640.9	3690.2	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
44	12600.00	88.10	99.37	100	9123.0	3790.1	-617.0	3739.5	3790.1	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
45	12700.00	88.10	99.37	100	9126.3	3890.1	-633.3	3838.2	3890.1	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
46	12800.00	88.10	99.37	100	9129.6	3990.0	-649.6	3936.8	3990.0	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
47	12900.00	88.10	99.37	100	9132.9	4089.9	-665.8	4035.4	4089.9	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
48	13000.00	88.10	99.37	100	9136.3	4189.9	-682.1	4134.0	4189.9	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
49	13100.00	88.10	99.37	100	9139.6	4289.8	-698.4	4232.6	4289.8	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
50	13200.00	88.10	99.37	100	9142.9	4389.8	-714.7	4331.2	4389.8	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
51	13300.00	88.10	99.37	100	9146.2	4489.7	-730.9	4429.8	4489.7	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
52	13400.00	88.10	99.37	100	9149.5	4589.7	-747.2	4528.4	4589.7	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
53	13500.00	88.10	99.37	100	9152.8	4689.6	-763.5	4627.0	4689.6	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
54	13600.00	88.10	99.37	100	9156.1	4789.6	-779.7	4725.7	4789.6	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
55	13700.00	88.10	99.37	100	9159.4	4889.5	-796.0	4824.3	4889.5	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
56	13800.00	88.10	99.37	100	9162.7	4989.4	-812.3	4922.9	4989.4	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
57	13900.00	88.10	99.37	100	9166.1	5089.4	-828.6	5021.5	5089.4	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
58	14000.00	88.10	99.37	100	9169.4	5189.3	-844.8	5120.1	5189.3	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
59	14100.00	88.10	99.37	100	9172.7	5289.3	-861.1	5218.7	5289.3	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
60	14200.00	88.10	99.37	100	9176.0	5389.2	-877.4	5317.3	5389.2	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
61	14300.00	88.10	99.37	100	9179.3	5489.2	-893.6	5415.9	5489.2	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10

62	14400.00	88.10	99.37	100	9182.6	5589.1	-909.9	5514.6	5589.1	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
63	14500.00	88.10	99.37	100	9185.9	5689.1	-926.2	5613.2	5689.1	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
64	14600.00	88.10	99.37	100	9189.2	5789.0	-942.5	5711.8	5789.0	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
65	14700.00	88.10	99.37	100	9192.5	5889.0	-958.7	5810.4	5889.0	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
66	14800.00	88.10	99.37	100	9195.9	5988.9	-975.0	5909.0	5988.9	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
67	14900.00	88.10	99.37	100	9199.2	6088.8	-991.3	6007.6	6088.8	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
68	15000.00	88.10	99.37	100	9202.5	6188.8	-1007.5	6106.2	6188.8	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
69	15100.00	88.10	99.37	100	9205.8	6288.7	-1023.8	6204.8	6288.7	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
70	15200.00	88.10	99.37	100	9209.1	6388.7	-1040.1	6303.4	6388.7	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
71	15300.00	88.10	99.37	100	9212.4	6488.6	-1056.3	6402.1	6488.6	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
72	15400.00	88.10	99.37	100	9215.7	6588.6	-1072.6	6500.7	6588.6	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
73	15500.00	88.10	99.37	100	9219.0	6688.5	-1088.9	6599.3	6688.5	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
74	15600.00	88.10	99.37	100	9222.3	6788.5	-1105.2	6697.9	6788.5	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
75	15700.00	88.10	99.37	100	9225.7	6888.4	-1121.4	6796.5	6888.4	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
76	15800.00	88.10	99.37	100	9229.0	6988.4	-1137.7	6895.1	6988.4	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
77	15900.00	88.10	99.37	100	9232.3	7088.3	-1154.0	6993.7	7088.3	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
78	16000.00	88.10	99.37	100	9235.6	7188.2	-1170.2	7092.3	7188.2	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
79	16100.00	88.10	99.37	100	9238.9	7288.2	-1186.5	7191.0	7288.2	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
80	16200.00	88.10	99.37	100	9242.2	7388.1	-1202.8	7289.6	7388.1	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
81	16300.00	88.10	99.37	100	9245.5	7488.1	-1219.1	7388.2	7488.1	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
82	16400.00	88.10	99.37	100	9248.8	7588.0	-1235.3	7486.8	7588.0	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
83	16500.00	88.10	99.37	100	9252.2	7688.0	-1251.6	7585.4	7688.0	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
84	16600.00	88.10	99.37	100	9255.5	7787.9	-1267.9	7684.0	7787.9	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
85	16700.00	88.10	99.37	100	9258.8	7887.9	-1284.1	7782.6	7887.9	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
86	16800.00	88.10	99.37	100	9262.1	7987.8	-1300.4	7881.2	7987.8	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
87	16900.00	88.10	99.37	100	9265.4	8087.7	-1316.7	7979.9	8087.7	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
88	17000.00	88.10	99.37	100	9268.7	8187.7	-1333.0	8078.5	8187.7	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
89	17100.00	88.10	99.37	100	9272.0	8287.6	-1349.2	8177.1	8287.6	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
90	17200.00	88.10	99.37	100	9275.3	8387.6	-1365.5	8275.7	8387.6	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
91	17300.00	88.10	99.37	100	9278.6	8487.5	-1381.8	8374.3	8487.5	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
92	17400.00	88.10	99.37	100	9282.0	8587.5	-1398.0	8472.9	8587.5	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
93	17500.00	88.10	99.37	100	9285.3	8687.4	-1414.3	8571.5	8687.4	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
94	17600.00	88.10	99.37	100	9288.6	8787.4	-1430.6	8670.1	8787.4	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
95	17700.00	88.10	99.37	100	9291.9	8887.3	-1446.9	8768.7	8887.3	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
96	17800.00	88.10	99.37	100	9295.2	8987.3	-1463.1	8867.4	8987.3	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
97	17900.00	88.10	99.37	100	9298.5	9087.2	-1479.4	8966.0	9087.2	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
98	18000.00	88.10	99.37	100	9301.8	9187.1	-1495.7	9064.6	9187.1	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
99	18100.00	88.10	99.37	100	9305.1	9287.1	-1511.9	9163.2	9287.1	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
100	18200.00	88.10	99.37	100	9308.4	9387.0	-1528.2	9261.8	9387.0	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10

101	18300.00	88.10	99.37	100	9311.8	9487.0	-1544.5	9360.4	9487.0	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
102	18400.00	88.10	99.37	100	9315.1	9586.9	-1560.8	9459.0	9586.9	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
103	18500.00	88.10	99.37	100	9318.4	9686.9	-1577.0	9557.6	9686.9	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
104	18600.00	88.10	99.37	100	9321.7	9786.8	-1593.3	9656.3	9786.8	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
105	18700.00	88.10	99.37	100	9325.0	9886.8	-1609.6	9754.9	9886.8	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
106	18800.00	88.10	99.37	100	9328.3	9986.7	-1625.8	9853.5	9986.7	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
107	18900.00	88.10	99.37	100	9331.6	10086.7	-1642.1	9952.1	10086.7	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
108	19000.00	88.10	99.37	100	9334.9	10186.6	-1658.4	10050.7	10186.6	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
109	19100.00	88.10	99.37	100	9338.2	10286.5	-1674.6	10149.3	10286.5	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
110	19200.00	88.10	99.37	100	9341.6	10386.5	-1690.9	10247.9	10386.5	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
111	19300.00	88.10	99.37	100	9344.9	10486.4	-1707.2	10346.5	10486.4	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
112	19400.00	88.10	99.37	100	9348.2	10586.4	-1723.5	10445.1	10586.4	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
113	19500.00	88.10	99.37	100	9351.5	10686.3	-1739.7	10543.8	10686.3	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
114	19600.00	88.10	99.37	100	9354.8	10786.3	-1756.0	10642.4	10786.3	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
115	19700.00	88.10	99.37	100	9358.1	10886.2	-1772.3	10741.0	10886.2	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	1E-10
116	19800.00	88.10	99.37	100	9361.4	10986.2	-1788.5	10839.6	10986.2	99.4	0.0	0.0	8997.4	15.6	1.53768	1.73	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. 21497 & 21498

SELF-AFFIRMED STATEMENT OF NOTICE

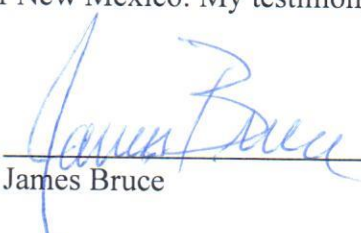
COUNTY OF SANTA FE)
) ss.
STATE OF NEW MEXICO)

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:

11/3/20


James Bruce

EXHIBIT

4

JAMES BRUCE
ATTORNEY AT LAW

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SANTA FE, NEW MEXICO 87504

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October 14, 2020

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

To: Person listed on Exhibit A

Ladies and gentlemen:

Enclosed are copies of two applications, filed with the New Mexico Oil Conservation Division by Mewbourne Oil Company, seeking orders pooling all mineral interests in the Wolfcamp formation underlying the horizontal spacing units described below:

(a) Case 21497: The N/2 of Section 23 and the N/2 of Section 24, Township 22 South, Range 27 East, NMPM; and

(b) Case 21498: The S/2 of Section 23 and the S/2 of Section 24, Township 22 South, Range 27 East, NMPM

These matters are scheduled for hearing at 8:15 a.m. on Thursday, November 5, 2020. 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.

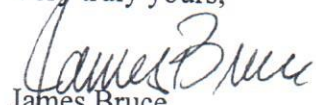
A party appearing in a Division case is required by Division Rules to file a Pre-Hearing Statement no later than Thursday, October 29, 2020. This statement may be filed online with the Division at ocd.hearings@state.nm.us, and should include: The name(s) of the party and his or her attorney; a concise 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

ATTACHMENT

A

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

Kaiser-Francis Oil Company
6733 South Yale Avenue
Tulsa, OK 74136
Attn: Brendon Kushnerick

Tumbler Operating Partners, LLC
1701 River Run, STE 306
Fort Worth, Texas 76107
Attn: Trent DeHoyos

Tumbler Energy Partners, LLC
P.O. Box 50938
Midland, TX 79710
Attn: Trent DeHoyos

MRC Permian Company
One Lincoln Centre
5400 LBJ Freeway, STE 1500
Dallas, TX 75240

OXY USA Inc.
5 Greenway Plaza, STE 110
Houston, TX 77046
Attn: Clay Carroll

XTO Holdings, LLC
810 Houston Street
Fort Worth, Texas 76102
Attn: Vincent Cuccerre

Sklarco LLC
5395 Pearl Parkway STE 200
Boulder, CO 80301
Attn: Sutton Lloyd

JJS WORKING INTERESTS LLC
4295 San Felipe, STE 207
Houston, TX 77027
Attn: Land Manager

S & P Co.
330 Marshall Street, STE 300
Shreveport, LA 71101

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:

Tumbler Operating Partners, LLC
1701 River Run, STE 306
Fort Worth, Texas 76107



9590 9402 5941 0062 9691 62

2. Article Number (Transit)

7019 2970 0001 4037 7896

(over \$500)

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

M 7B

COMPLETE THIS SECTION ON DELIVERY

A. Signature Jessica Blevins ☐ Agent ☐ Addressee
B. Received by (Printed Name) Jessica Blevins C. Date of Delivery 10/20/20
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®
☐ Return Receipt for Merchandise
☐ Collect on Delivery
☐ Signature Confirmation Restricted Delivery

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

Postmark
Here

Total Postage and Fees

Sent To Tumbler Operating Partners, LLC
1701 River Run, STE 306
Fort Worth, Texas 76107
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

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

Postmark
Here

Total Postage and Fees

Sent To Tumbler Energy Partners, LLC
P.O. Box 50938
Midland, TX 79710
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

COMPLETE THIS SECTION ON DELIVERY

A. Signature [Signature] ☐ Agent ☐ Addressee
B. Received by (Printed Name) Laura Phlips C. Date of Delivery 10/20/2020
D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

Tumbler Energy Partners, LLC
P.O. Box 50938
Midland, TX 79710



9590 9402 5941 0062 9691 55

7019 2970 0001 4037 7889

(over \$500)

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

M 7B

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- 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:

XTO Holdings, LLC
810 Houston Street
Fort Worth, Texas 76102



9590 9402 5941 0062 9691 24

2. Article 7019 2970 0001 4037 7858

Insured Mail Restricted Delivery (over \$500)

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

- A. Signature ☒ Agent ☐ Addressee
- B. Received by (Printed Name) Tammy V. [Signature] C. Date of Delivery Oct 21 2010
- 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®
 - ☐ Certified Mail Restricted Delivery
 - ☐ Collect on Delivery
 - ☐ Restricted Delivery
 - ☐ Signature Confirmation™
 - ☐ Signature Confirmation Restricted Delivery

U.S. Postal Service™

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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 XTO Holdings, LLC
810 Houston Street
Fort Worth, Texas 76102

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

City, State, Zip+4®

Postmark Here

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:

S & P Co.
330 Marshall Street, STE 300
Shreveport, LA 71101



9590 9402 5941 0062 9690 94

2. 7019 2970 0001 4037 7827

Insured Mail Restricted Delivery (over \$500)

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

- A. Signature ☒ Agent ☐ Addressee
- B. Received by (Printed Name) [Signature] C. Date of Delivery Oct 21 2010
- 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®
 - ☐ Certified Mail Restricted Delivery
 - ☐ Collect on Delivery
 - ☐ Collect on Delivery Restricted Delivery
 - ☐ Insured Mail
 - ☐ Insured Mail Restricted Delivery

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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 S & P Co.
330 Marshall Street, STE 300
Shreveport, LA 71101

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

City, State, Zip+4®

Postmark Here

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:

Kaiser-Francis Oil Company
6733 South Yale Avenue
Tulsa, OK 74136



2. Art 2970 0001 4037 7902

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

22

COMPLETE THIS SECTION ON DELIVERY

A. Signature  - 107

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

C. Date of Delivery,

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
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery
- ☐ Priority Mail Express®

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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	\$ _____

Total Postage and Fees

Kaiser-Francis Oil Company
6733 South Yale Avenue
Tulsa, OK 74136

6733 South Yale Ave
Tulsa, OK 74136

City, State ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-0047 See Reverse for Instructions

See Reverse for instructions on page 100

Postmark
Here

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:

MRC Permian Company
One Lincoln Centre
5400 LBJ Freeway, STE 1500
Dallas, TX 75240



2. A

7019	2978	0001	4037	7872
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PS Form 3811, July 2015 PSN 7530-02-000-9053

2124

COMPLETE THIS SECTION ON DELIVERY

A. Signature  ☒ Agent

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

☐ Adult Signature	☐ Priority Mail Express®
☐ Adult Signature Restricted Delivery	☐ Registered Mail™
☐ Certified Mail®	☐ Registered Mail Restricted Delivery
☐ Certified Mail Restricted Delivery	☐ Return Receipt with Restricted Delivery
☐ Collect on Delivery	☐ Signature Confirmation™
☐ Collect on Delivery Restricted Delivery	☐ Signature Confirmation Restricted Delivery

672

Domestic Return Receipt

U.S. Postal ServiceTM
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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	\$
OXY USA Inc.	
5 Greenway Plaza, STE 110	
Houston, TX 77046	
Sent To	
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

7019 2970 0001 4037 7865

SENDER: COMPLETE THIS SECTION

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- 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 Inc.
5 Greenway Plaza, STE 110
Houston, TX 77046



9590 9402 5941 0062 9691 31

2.

7019 2970 0001 4037 7865
(over \$500)

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature	☐ Agent
X	☐ Addressee
B. Received by (Printed Name)	C. Date of Delivery
D. Is delivery address different from item 1? ☐ Yes If YES, enter delivery address below: ☐ No	

3. Service Type	☐ Priority Mail Express®
☐ Adult Signature	☐ Registered Mail TM
☐ Adult Signature Restricted Delivery	☐ Registered Mail Restricted Delivery
☒ Certified Mail®	☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery	☐ Signature Confirmation TM
☐ Collect on Delivery	☐ Signature Confirmation Restricted Delivery
☐ Restricted Delivery	

Domestic Return Receipt

7019 2970 0001 4037 7834

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®.	
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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 JJS WORKING INTERESTS LLC	
4295 San Felipe, STE 207	
Street and Apt. No., or PO Box Houston, TX 77027	
City, State, ZIP+4®	
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

7019 2970 0001 4037 7841

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For delivery information, visit our website at www.usps.com ®.	
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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 Sklarco LLC	
5395 Pearl Parkway STE 200	
Street and Apt. No., or PO Box Boulder, CO 80301	
City, State, ZIP+4®	
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

Text of Ad: 10/20/2020

NOTICE

To: Kaiser-Francis Oil Company, Tumbler Operating Partners, LLC, Tumbler Energy Partners, LLC, MRC Permian Company, OXY USA Inc., XTO Holdings, LLC, Sklarco LLC, JJS Working Interests LLC, and S&P Co., or your successors or assigns: Mewbourne Oil Company has filed the following applications with the New Mexico Oil Conservation Division:

Case No. 21497, seeking an order pooling all mineral interests in the Wolfcamp formation underlying a horizontal spacing unit comprised of the N/2 of Section 23 and the N/2 of Section 24, Township 22 South, Range 27 East, NMPM. The unit will be dedicated to (a) The Tommy Boy 23/24 W0EH Fed. Com. Well No. 1H, with a first take point in the SW/4NW/4 of 23 and a last take point in the SE/4NE/4 of Section 24, and (b) The Tommy Boy 23/24 W0DA Fed. Com. Well No. 1H, with a first take point in the NW/4NW/4 of 23 and a last take point in the NE/4NE/4 of Section 24; and

Case No. 21498, seeking an order pooling all mineral interests in the Wolfcamp formation underlying a horizontal spacing unit comprised of the S/2 of Section 23 and the S/2 of Section 24, Township 22 South, Range 27 East, NMPM. The unit will be dedicated to (a) The Tommy Boy 23/24 W0LI Fee Well No. 1H, with a first take point in the NW/4SW/4 of 23 and a last take point in the NE/4SE/4 of Section 24, and (b) The Tommy Boy 23/24 W0MP Fee Well No. 1H, with a first take point in the SW/4SW/4 of 23 and a last take point in the SE/4SE/4 of Section 24.

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. The applications are scheduled to be heard at 8:15 a.m. on November 5, 2020. 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 application, 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, October 29, 2020. 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. The attorney for applicant is James Bruce, P.O. Box 1056, Santa Fe, New Mexico 87504, (505) 982-2043, jamesbruce@aol.com. The units are located approximately 2 miles north-northeast of Otis, New Mexico.

#4431006, Current Arqus, October 21, 2020

EXHIBIT

5

CONFIRMATION

JAMES BRUCE ATTORNEY
POBOX 1056
SANTA FE NM 87504-

PO#:

<u>Account</u>	<u>AD#</u>	<u>Ordered By</u>	<u>Tax Amount</u>	<u>Total Amount</u>	<u>Payment Method</u>	<u>Payment Amount</u>	<u>Amount Due</u>
1419282	0004431006	Jim Bruce	\$15.98	\$225.02	Invoice	\$0.00	\$225.02

Ad Order Notes:

Sales Rep: asathisarg

Order Taker: asathisarg

Order Created 10/20/2020

<u>Product</u>	<u>Placement</u>	<u>Class</u>	<u># Ins</u>	<u>Start Date</u>	<u>End Date</u>
ELP-CA Current-Argus	ELP-Legals	Legal Notices	1	10/21/2020	10/21/2020
ELP-currentargus.com	ELPW-Legals	Legal Notices	1	10/21/2020	10/21/2020

COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

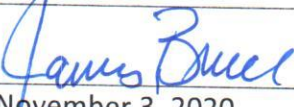
Case:	21497
Date	November 5, 2020
Applicant	Mewbourne Oil Company
Designated Operator & OGRID (affiliation if applicable)	Mewbourne Oil Company/OGRID No. 14744
Applicant's Counsel:	James Bruce
Case Title:	Application of Mewbourne Oil Company for Compulsory Pooling, Eddy County, New Mexico
Entries of Appearance/Intervenors:	MRC Permian Company and XTO Energy Inc./Holland & Hart LLP
Well Family	Tommy Boy Wolfcamp wells
Formation/Pool	
Formation Name(s) or Vertical Extent:	Wolfcamp Formation
Primary Product (Oil or Gas):	Gas
Pooling this vertical extent:	Entire Wolfcamp formation
Pool Name and Pool Code:	Purple Sage; Wolfcamp (Gas)/Pool Code 98220
Well Location Setback Rules:	Purple Sage pool rules and current horizontal well rules
Spacing Unit Size:	Half Section/320 acres
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	640 acres
Building Blocks:	320 acres
Orientation:	West-East
Description: TRS/County	N/2 §23 and N/2 §24-22S-27E, 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	Exhibit 2A-B
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Tommy Boy 23/24 WODA Fed. Com. Well No. 1H API No. 30-015-Pending SHL: 2440 FNL & 580 FEL §22-22S-27E BHL: 400 FNL & 330 FEL §24 FTP: 400 FNL & 330 FWL §23 LTP: 400 FSL & 330 FEL §24 Upper Wolfcamp/TVD 9060 feet/MD 19400 feet

EXHIBIT

6A

	Tommy Boy 23/24 W0EH Fed. Com. Well No. 1H API No. 30-015-Pending SHL: 2440 FNL & 550 FEL §22-22S-27E BHL: 1900 FNL & 330 FEL §24 FTP: 1900 FNL & 330 FWL §23 LTP: 1900 FSL & 330 FEL §24 Upper Wolfcamp/TVD 9060 feet/MD 19400 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 2A, page 2
Requested Risk Charge	Cost + 200%/Exhibit 2A, page 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 2A-A
Tract List (including lease numbers and owners)	
Pooled Parties (including ownership type)	Exhibit 2A-B
Unlocatable Parties to be Pooled	Exhibit 2A-B
Ownership Depth Severance (including percentage above & below)	None
Joinder	
Sample Copy of Proposal Letter	Exhibit 2A-C
List of Interest Owners (i.e. Exhibit A of JOA)	Exhibit 2A-B
Chronology of Contact with Non-Joined Working Interests	Exhibit 2A-C
Overhead Rates In Proposal Letter	
Cost Estimate to Drill and Complete	Exhibit 2A-D
Cost Estimate to Equip Well	Exhibit 2A-D
Cost Estimate for Production Facilities	Exhibit 2AD
Geology	
Summary (including special considerations)	Exhibit 3
Spacing Unit Schematic	Exhibit 3-A
Gunbarrel/Lateral Trajectory Schematic	Exhibit 3-A
Well Orientation (with rationale)	Standup /Exhibit 3
Target Formation	Wolfcamp

Lay down 1B

HSU Cross Section	Exhibit 3-B
Depth Severance Discussion	Not Applicable
Forms, Figures and Tables	
C-102	Exhibit 2A-A
Tracts	Exhibit 2A-B
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit 2A-B
General Location Map (including basin)	Exhibit 2A-A
Well Bore Location Map	Exhibit 2A-A
Structure Contour Map - Subsea Depth	Exhibit 3-A
Cross Section Location Map (including wells)	Exhibit 3-B
Cross Section (including Landing Zone)	Exhibit 3-B
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:	November 3, 2020

COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case:	21498
Date	November 5, 2020
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:	MRC Permian Company and XTO Energy Inc./Holland & Hart LLP
Well Family	Tommy Boy Wolfcamp wells
Formation/Pool	
Formation Name(s) or Vertical Extent:	Wolfcamp Formation
Primary Product (Oil or Gas):	Gas
Pooling this vertical extent:	Entire Wolfcamp formation
Pool Name and Pool Code:	Purple Sage; Wolfcamp (Gas)/Pool Code 98220
Well Location Setback Rules:	Purple Sage pool rules and current horizontal well rules
Spacing Unit Size:	Half Section/320 acres
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	640 acres
Building Blocks:	320 acres
Orientation:	West-East
Description: TRS/County	S/2 §23 and S/2 §24-22S-27E, 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	Exhibit 2B-B
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non- standard)	Tommy Boy 23/24 WOLI Fee Well No. 1H API No. 30-015-Pending SHL: 2440 FSL & 550 FEL §22-22S-27E BHL: 2050 FSL & 330 FEL §24 FTP: 2050 FSL & 330 FWL §23 LTP: 2050 FSL & 330 FEL §24 Upper Wolfcamp/TVD 9060 feet/MD 19400 feet

Tommy Boy 23/24 WOMP Fee Well No. 1H
 API No. 30-015-Pending
 SHL: 2440 FSL & 580 FEL §22-22S-27E
 BHL: 660 FSL & 330 FEL §24
 FTP: 660 FSL & 330 FWL §23
 LTP: 660 FSL & 330 FEL §24
 Upper Wolfcamp/TVD 9060 feet/MD 19400 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 2B, page 2

Requested Risk Charge

Cost + 200%/Exhibit 2B, page 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 2B-A

Tract List (including lease numbers and owners)

Pooled Parties (including ownership type)

Exhibit 2B-B

Unlocatable Parties to be Pooled

Exhibit 2B-B

Ownership Depth Severance (including percentage above & below)

None

Joinder

Sample Copy of Proposal Letter

Exhibit 2B-C

List of Interest Owners (*i.e.* Exhibit A of JOA)

Exhibit 2B-B

Chronology of Contact with Non-Joined Working Interests

Exhibit 2B-C

Overhead Rates In Proposal Letter

Cost Estimate to Drill and Complete

Exhibit 2B-D

Cost Estimate to Equip Well

Exhibit 2B-D

Cost Estimate for Production Facilities

Exhibit 2B-D

Geology

Summary (including special considerations)

Exhibit 3

Spacing Unit Schematic

Exhibit 3-A

Gunbarrel/Lateral Trajectory Schematic

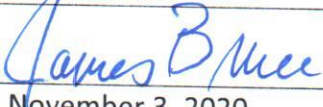
Exhibit 3-A

Well Orientation (with rationale)

Laydown/Exhibit 3

Target Formation

Wolfcamp

HSU Cross Section	Exhibit 3-B
Depth Severance Discussion	Not Applicable
Forms, Figures and Tables	
C-102	Exhibit 2B-A
Tracts	Exhibit 2B-B
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit 2B-B
General Location Map (including basin)	Exhibit 2B-A
Well Bore Location Map	Exhibit 2B-A
Structure Contour Map - Subsea Depth	Exhibit 3-A
Cross Section Location Map (including wells)	Exhibit 3-B
Cross Section (including Landing Zone)	Exhibit 3-B
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:	November 3, 2020