

CASE NO. 21776

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

MEWBOURNE OIL COMPANY'S EXHIBIT LIST

1. Applications and Proposed Notices
2. Landman's Affidavit (Tyler Jolly)
3. Geologist's Affidavit (Tyler Hill)
4. Notice Affidavit
5. Pooling Checklist

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

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

Case No. 21776

APPLICATION

Mewbourne Oil Company applies for an order pooling all mineral interest owners in the Wolfcamp formation underlying a horizontal spacing unit comprised of the N/2 of Section 15 and the N/2 of Section 16, 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 15 and the N/2 of Section 16, 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 Mighty Ducks 15/16 W0AD State Com. Well No. 1H, with a first take point in the NE/4NE/4 of Section 15 and a last take point in the NW/4NW/4 of Section 16; and
 - (b) The Mighty Ducks 15/16 W0HE State Com. Well No. 1H, with a first take point in the SE/4NE/4 of 15 and a last take point in the SW/4NW/4 of Section 16.
3. Applicant has in good faith sought to obtain the voluntary joinder of all other mineral interest owners in the N/2 of Section 15 and the N/2 of Section 16 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.

EXHIBIT /

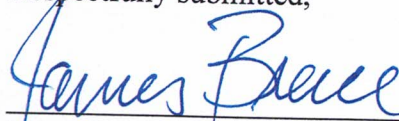
Therefore, applicant seeks an order pooling all mineral interest owners in the Wolfcamp formation underlying a horizontal spacing unit comprised of the N/2 of Section 15 and the N/2 of Section 16, pursuant to NMSA 1978 §70-2-17.

5. The pooling of all mineral interest owners in the Wolfcamp formation underlying the N/2 of Section 15 and the N/2 of Section 16 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 15 and the N/2 of Section 16;
- B. Designating applicant as operator of the wells;
- C. Considering the cost of drilling and completing 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 and completing the wells in the event a working interest owner elects not to participate in the wells.

Respectfully submitted,



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

Attorney for Mewbourne Oil Company

PROPOSED ADVERTISEMENT

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 15 and the N/2 of Section 16, Township 22 South, Range 27 East, NMPM. The unit will be dedicated to: (a) the Mighty Ducks 15/16 W0AD State Com. Well No. 1H, with a first take point in the NE/4NE/4 of 15 and a final take point in the NW/4NW/4 of Section 16; and (b) the Mighty Ducks 15/16 W0HE State Com. Well No. 1H, with a first take point in the SE/4NE/4 of 15 and a final take point in the SW/4NW/4 of Section 16. 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 3-1/2 miles north-northwest 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. 21776

SELF-AFFIRMED STATEMENT OF TYLER JOLLY

COUNTY OF MIDLAND)
) ss.
STATE OF TEXAS)

Tyler Jolly deposes and states:

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

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

(a) The purpose of this application is to force pool working interest owners into the horizontal spacing 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 since March 2020 regarding the proposed wells, but have simply failed or refused to voluntarily commit their interests to the wells.

(c) A plat outlining the unit being pooled is attached hereto as Attachment A. Mewbourne seeks an order pooling of all mineral interests in the Wolfcamp formation (Purple Sage-Wolfcamp Gas Pool) in a horizontal spacing unit comprised of the N/2 of Section 15 and the N/2 of Section 16, Township 22 South, Range 27 East, NMPM.

(d) There is no depth severance in the Wolfcamp formation.

(e) Mewbourne seeks to pool the well unit for the purpose of drilling:

EXHIBIT



- (i) The Mighty Ducks 15/16 W0AD State Com. Well No. 1H, with a first take point in the NE/4NE/4 of Section 15 and a final take point in the NW/4NW/4 of Section 16; and
- (ii) The Mighty Ducks 15/16 W0HE State Com. Well No. 1H, with a first take point in the SE/4NE/4 of 15 and a final take point in the SW/4NW/4 of Section 16.
- (f) The parties being pooled and their interests are set forth in Attachment B. Exhibit C contains the proposal letter to the parties being pooled. Their current and correct addresses are also set forth. All interest owners are locatable.
- (g) Mewbourne has made a good faith effort to obtain the voluntary joinder of the working interest owners in the proposed wells.
- (h) Mewbourne has the right to pool the overriding royalty owners in the well unit.
- (i) Attachment contains the Authorizations for Expenditure for the proposed wells. The estimated cost of the wells set forth therein is fair and reasonable, and is comparable to the costs of other wells of similar depth and length drilled in this area of Eddy County.
- (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 area of Eddy County. They are also the rates set forth in the Joint Operating Agreement for the well unit. Mewbourne requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.
- (k) Mewbourne requests that the maximum cost plus 200% risk charge be assessed against non-consenting working interest owners.
- (l) Mewbourne 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.

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

Date: 5/18/21


Tyler Jolly

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

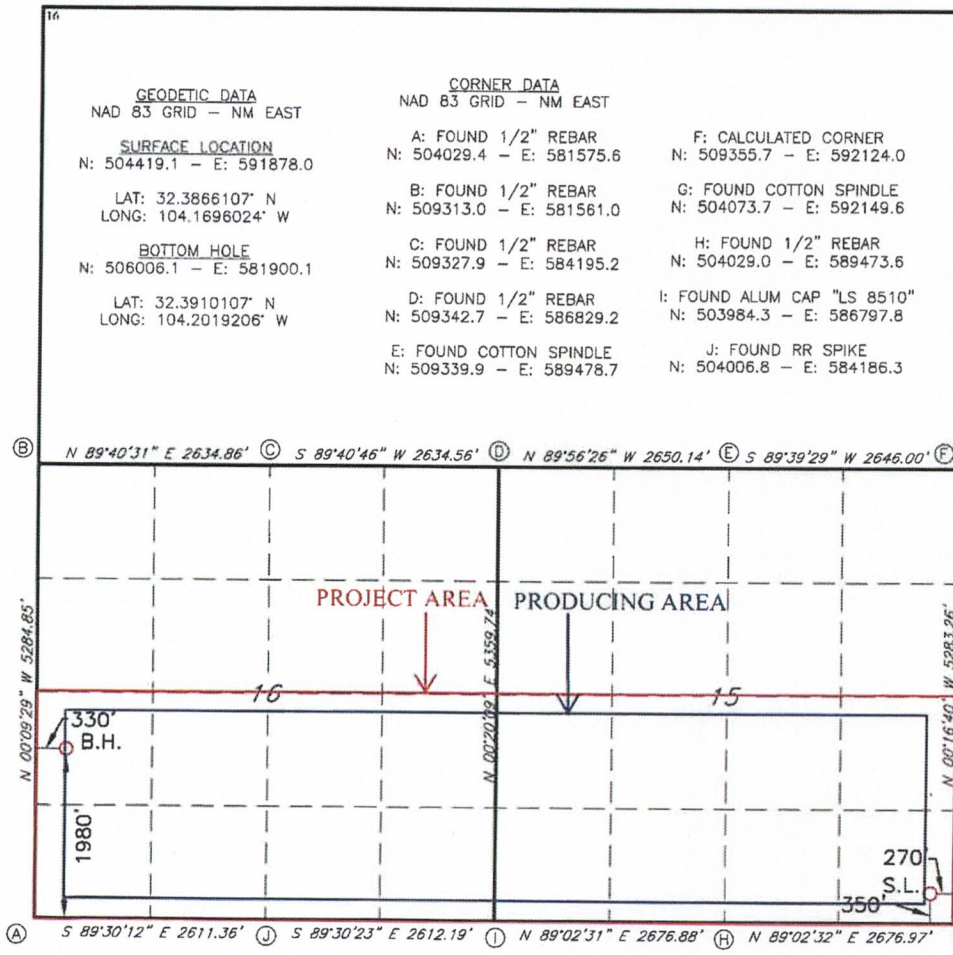
Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code 98220		³ Pool Name PURPLE SAGE; WOLFCAMP GAS POOL					
⁴ Property Code		⁵ Property Name MIGHTY DUCKS 15/16 WOIL STATE COM						⁶ Well Number 2H	
⁷ OGRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY						⁹ Elevation 3085'	
¹⁰ Surface Location									
UL or lot no. P	Section 15	Township 22S	Range 27E	Lot Idn	Feet from the 350	North/South line SOUTH	Feet From the 270	East/West line EAST	County EDDY
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. L	Section 16	Township 22S	Range 27E	Lot Idn	Feet from the 1980	North/South line SOUTH	Feet from the 330	East/West line WEST	County EDDY
¹² Dedicated Acres 640	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.



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] 2-21-20
Signature Date
BRADLEY BISHOP
Printed Name
BBISHOP@MEWBOURNE.COM
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.

12-19-2019
Date of Survey
Signature and Seal of Professional Surveyor
19680
Certificate Number

19680
Certificate Number

RRC-Job No: LS18111287

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 98220		³ Pool Name PURPLE SAGE WOLFCAMP GAS POOL					
⁴ Property Code		⁵ Property Name MIGHTY DUCKS 15/16 WOPM STATE COM					⁶ Well Number 1H		
⁷ OGRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY					⁹ Elevation 3085'		
¹⁰ Surface Location									
UL or lot no. P	Section 15	Township 22S	Range 27E	Lot Idn	Feet from the 350	North/South line SOUTH	Feet From the 240	East/West line EAST	County EDDY
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. M	Section 16	Township 22S	Range 27E	Lot Idn	Feet from the 660	North/South line SOUTH	Feet from the 330	East/West line WEST	County EDDY
¹² Dedicated Acres 640	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

GEODETIC DATA
NAD 83 GRID - NM EAST

SURFACE LOCATION
N: 504419.6 - E: 591908.0

LAT: 32.3866119° N
LONG: 104.1695053° W

BOTTOM HOLE
N: 504686.4 - E: 581903.7

LAT: 32.3873831° N
LONG: 104.2019141° W

CORNER DATA
NAD 83 GRID - NM EAST

A: FOUND 1/2" REBAR N: 504029.4 - E: 581575.6	F: CALCULATED CORNER N: 509355.7 - E: 592124.0
B: FOUND 1/2" REBAR N: 509313.0 - E: 581561.0	G: FOUND COTTON SPINDLE N: 504073.7 - E: 592149.6
C: FOUND 1/2" REBAR N: 509327.9 - E: 584195.2	H: FOUND 1/2" REBAR N: 504029.0 - E: 589473.6
D: FOUND 1/2" REBAR N: 509342.7 - E: 586829.2	I: FOUND ALUM CAP "LS 8510" N: 503984.3 - E: 586797.8
E: FOUND COTTON SPINDLE N: 509339.9 - E: 589478.7	J: FOUND RR SPIKE N: 504006.8 - E: 584186.3

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.

2-21-20

[Signature]
Signature Date

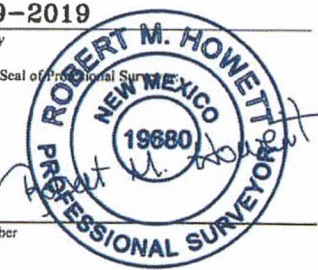
BRADLEY BISHOP
Printed Name

BBISHOP@MEWBOURNE.COM
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.

12-19-2019
Date of Survey

Signature and Seal of Professional Surveyor



19680
Certificate Number

16

N 89°40'31" E 2634.86' C S 89°40'46" W 2634.56' D N 89°56'26" W 2650.14' E S 89°39'29" E 2646.00' F

PROJECT AREA PRODUCING AREA

16 15

N 00°09'29" W 5284.85' N 00°24'02" E 5359.74' N 00°16'40" W 5283.26'

330' B.H. 240' S.L. 350'

A S 89°30'12" E 2611.36' J S 89°30'23" E 2612.19' I N 89°02'31" E 2676.88' H N 89°02'32" E 2676.97' G

RRC-Job No: LS1811288

Mighty Ducks 15-16 WOAD State Com #1H
Mighty Ducks 15-16 WOHE State Com #1H

Entity	Percentage
COG Operating LLC	45.3228395000%
Mewbourne Oil Company	35.4786031250%
Chisholm Energy Operating, LLC	4.7167968750%
OXY USA WTP LP	8.8241000000%
Devon Energy Production Company, L.P.	1.5625000000%
Broughton Petroleum Inc.	1.7534178750%
Concho Oil & Gas, LLC	1.3612426250%
Saguaro Resources, Inc.	0.4902500000%
Cactus Energy, Inc.	0.4902500000%
Total	100.0000000000%

ATTACHMENT

B

Summary of Communications
Mighty Ducks 15-16 W0AD State Com #1H
Mighty Ducks 15-16 W0HE State Com #1H

1. March 30, 2021, sent well proposal via email and certified mail. Proof of Delivery is attached.
2. Emails discussing potentially participating in the well.

ATTACHMENT C

MEWBOURNE OIL COMPANY

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

March 30, 2020

Via Email and Certified Mail

Chisholm Energy Operating, LLC
801 Cherry Street, Suite 1200-Unit 20
Fort Worth, Texas 76102
Attn: Luke Shelton

Re: Proposed Horizontal Tests
Mighty Ducks 15-16 W0AD State Com #1H
Mighty Ducks 15-16 W0HE State Com #1H
N2 of Section 15 & N2 of Section 16
T22S, R27E, Eddy County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company ("MOC"), as Operator, hereby proposes drilling the following two (2) horizontal tests:

- 1) Mighty Ducks 15-16 W0AD State Com #1H – APD in process
Surface Location: 2050' FNL, 205' FEL, Section 15
Bottom Hole Location: 660' FNL, 330' FWL, Section 16
Proposed Total Vertical Depth: 8818'
Proposed Total Measured Depth: 18950'
Formation: Wolfcamp
- 2) Mighty Ducks 15-16 W0HE State Com #1H – APD in process
Surface Location: 2080' FNL, 205' FEL, Section 15
Bottom Hole Location: 2080' FNL, 330' FWL, Section 16
Proposed Total Vertical Depth: 8818'
Proposed Total Measured Depth: 18853'
Formation: Wolfcamp

In the event Chisholm Energy Operating, LLC elects to participate in the proposed wells, please execute the enclosed AFEs and return them to the undersigned within thirty (30) days. Upon receipt of executed AFEs, our Operating Agreement covering the N2 of Section 15 and the N2 of Section 16 will follow, listing a non-consent penalty of 300%/100% and COPAS drilling/producing rates of \$8000/month and \$800/month respectively. Please enclose your most current well information requirements so that we may supply well data when available.

Mighty Ducks 15-16 W0AD State Com #1H
Mighty Ducks 15-16 W0HE State Com #1H
Page 2 of 2

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

Very truly yours,

MEWBOURNE OIL COMPANY



Tyler Jolly
Landman

Enclosures



April 2, 2020

Dear Simple Certified:

The following is in response to your request for proof of delivery on your item with the tracking number: **9414 8106 9994 5049 1688 38**.

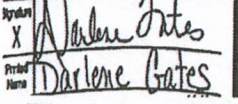

Item Details

Status: Delivered, Front Desk/Reception/Mail Room
Status Date / Time: April 2, 2020, 1:08 pm
Location: FORT WORTH, TX 76102
Postal Product: First-Class Mail®
Extra Services: Certified Mail™
Return Receipt Electronic
Recipient Name: Chisholm Energy

Shipment Details

Weight: 2.0oz

Recipient Signature

Signature of Recipient:	
Address of Recipient:	

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

Chisholm Energy
Luke Shelton
801 CHERRY ST STE 1200 UNIT 20
FORT WORTH, TX 76102
Reference #: Mighty Ducks Proposals
Item ID: Mighty Ducks Proposals

Tyler Jolly

From: Tyler Jolly
Sent: Monday, March 30, 2020 10:18 AM
To: Luke Shelton
Subject: Mighty Ducks 15-16 Well Proposal
Attachments: 20200330095713025.pdf; MIGHTY DUCKS 15-16 W0AD ST COM #1H AFE.xlsx; MIGHTY DUCKS 15-16 W0HE ST COM #1H AFE.xlsx

Luke,

See attached well proposal regarding Mewbourne's Mighty Ducks Prospect. Please let me know if you have any questions or need additional information.

Tyler Jolly
Mewbourne Oil Company
500 West Texas, Suite 1020,
Midland, TX 79701
Ph: 432-682-3715

Tyler Jolly

From: Tyler Jolly
Sent: Monday, March 30, 2020 10:46 AM
To: Luke Shelton
Subject: RE: [EXT] RE: Mighty Ducks 15-16 Well Proposal

Alright. Stay safe, Luke.

Tyler Jolly
Mewbourne Oil Company
500 West Texas, Suite 1020,
Midland, TX 79701
Ph: 432-682-3715

From: Luke Shelton <LShelton@chisholmenergy.com>
Sent: Monday, March 30, 2020 10:45 AM
To: Tyler Jolly <tjolly@mewbourne.com>
Subject: [EXT] RE: Mighty Ducks 15-16 Well Proposal

Tyler,

I'll get these circulated and possibly a trade proposal as well. I'll let you know when I hear something, we're still remote for the time being.

Thanks,

Luke Shelton
Senior Landman
Office: 817-953-0359



Chisholm Energy Operating, LLC
801 Cherry Street, Suite 1200
Fort Worth, TX 76102

From: Tyler Jolly <tjolly@mewbourne.com>
Sent: Monday, March 30, 2020 10:18 AM
To: Luke Shelton <LShelton@chisholmenergy.com>
Subject: Mighty Ducks 15-16 Well Proposal

Luke,

See attached well proposal regarding Mewbourne's Mighty Ducks Prospect. Please let me know if you have any questions or need additional information.

Tyler Jolly

Mewbourne Oil Company
500 West Texas, Suite 1020,
Midland, TX 79701
Ph: 432-682-3715

Tyler Jolly

From: Tyler Jolly
Sent: Wednesday, April 15, 2020 1:48 PM
To: Luke Shelton
Subject: RE: [EXT] Trade Proposal

Luke,

We are in the early stages of putting together a State Unit in Lea County, New Mexico. We may be open to this trade and will run it by our management if Chisholm will also be agreeable to our Unit with its acreage in Section 4, T22S, R35E, Lea County, New Mexico.


Do you think you guys would be open to that?

Tyler Jolly
Mewbourne Oil Company
500 West Texas, Suite 1020,
Midland, TX 79701
Ph: 432-682-3715

From: Luke Shelton <LShelton@chisholmenergy.com>
Sent: Tuesday, April 07, 2020 8:49 AM
To: Tyler Jolly <tjolly@mewbourne.com>
Subject: [EXT] Trade Proposal

Tyler,
Please see the below trade proposal involving Mewbourne's Might Ducks and Wingman proposals. Let me know what you all think.

Thanks,

Luke Shelton
Senior Landman
Office: 817-953-0359

Chisholm Energy Operating, LLC
801 Cherry Street, Suite 1200
Fort Worth, TX 76102

From MOC						
Name	STR	Desc	Net Acres	NRI	NRA	Comments
Milagro	34-22S-26E	E/2	320	75.00%	240	HBP by Milagro 34 Fed #1, 4.5 possible JOA spread to all of 34 and 3-23S-26E

McKamey	25-19S-32E	W/2	54	81.40%	43.956	Open to pdp offer in the past McKamey Fed #1Y, 3 BO
			374	0.75924064	283.956	

From Chisholm

Name	STR	Desc	Net Acres	NRI	NRA	Comments
Mighty Ducks	15-22S-27E	All	100.00	74.37%	74.37	Forni 15 #2, 21.875% WI, 16.2 22.15 mcf/d
Wingman	11-23S-26E	S2	291.00	73.07%	212.6219145	3.06595% ORRI included ir
			391	0.73399467	286.9919145	

Tyler Jolly

From: Tyler Jolly
Sent: Wednesday, April 1, 2020 7:17 AM
To: Luke Shelton
Subject: RE: [EXT] RE: Mighty Ducks 15-16 Well Proposal

Luke,

I'm showing Chisholm with the below interest in the N2 of Section 15:

SW4NW4 of Section 15 save and except a 5.5 acre tract

BPO – 87.5%

APO – 61.25%

I'm showing a BPO NRI of 74.368815% and APO NRI of 86.868815% if I am calculating this correctly.

Tyler Jolly
Mewbourne Oil Company
500 West Texas, Suite 1020,
Midland, TX 79701
Ph: 432-682-3715

From: Luke Shelton <LShelton@chisholmenergy.com>
Sent: Monday, March 30, 2020 10:55 AM
To: Tyler Jolly <tjolly@mewbourne.com>
Subject: [EXT] RE: Mighty Ducks 15-16 Well Proposal

Could you confirm that our WI/NRI in your proposed wells?

Title I have there isn't great, but I show us to have 30.19 net ac in your proposed DSU at 74.37 gross NRI.

Thanks,

Luke Shelton
Senior Landman
Office: 817-953-0359



Chisholm Energy Operating, LLC
801 Cherry Street, Suite 1200
Fort Worth, TX 76102

From: Tyler Jolly <tjolly@mewbourne.com>
Sent: Monday, March 30, 2020 10:19 AM
To: Luke Shelton <LShelton@chisholmenergy.com>
Subject: FW: Mighty Ducks 15-16 Well Proposal

From: Tyler Jolly
Sent: Monday, March 30, 2020 10:18 AM
To: Luke Shelton <LShelton@chisholmenergy.com>
Subject: Mighty Ducks 15-16 Well Proposal

Luke,

See attached well proposal regarding Mewbourne's Mighty Ducks Prospect. Please let me know if you have any questions or need additional information.

Tyler Jolly
Mewbourne Oil Company
500 West Texas, Suite 1020,
Midland, TX 79701
Ph: 432-682-3715

MEWBOURNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

Well Name: **MIGHTY DUCKS 15/16 W0AD ST COM #1H** Prospect: **MIGHTY DUCKS 15/16**
 Location: **SL: 2050 FNL & 205 FEL (15); BHL: 660 FNL & 330 FWL (16)** County: **Eddy** ST: **NM**
 Sec. **15** Blk: Survey: TWP: **22S** RNG: **27E** Prop. TVD: **8818** TMD: **18950**

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$10,000	0180-0200	\$5,000
Location / Road / Site / Preparation		0180-0105	\$75,000	0180-0205	\$25,000
Location / Restoration		0180-0106	\$200,000	0180-0206	\$25,000
Daywork / Turnkey / Footage Drilling	27 days drlg / 3 days comp @ \$19500/d	0180-0110	\$562,500	0180-0210	\$62,600
Fuel	1700 gal/day @ \$1.10/gal	0180-0114	\$58,700	0180-0214	\$234,900
Mud, Chemical & Additives		0180-0120	\$200,000	0180-0220	
Horizontal Drillout Services				0180-0222	\$250,000
Cementing		0180-0125	\$100,000	0180-0225	\$35,000
Logging & Wireline Services		0180-0130	\$2,000	0180-0230	\$480,000
Casing / Tubing / Snubbing Service		0180-0134	\$20,000	0180-0234	\$90,000
Mud Logging		0180-0137	\$30,000		
Stimulation	61 Stg 24.2 MM gal/ 24.2 MM lb			0180-0241	\$1,920,000
Stimulation Rentals & Other				0180-0242	\$200,000
Water & Other		0180-0145	\$50,000	0180-0245	\$550,000
Bits		0180-0148	\$111,100	0180-0248	\$8,000
Inspection & Repair Services		0180-0150	\$40,000	0180-0250	\$5,000
Misc. Air & Pumping Services		0180-0154		0180-0254	\$10,000
Testing & Flowback Services		0180-0158	\$15,000	0180-0258	\$30,000
Completion / Workover Rig				0180-0260	\$10,500
Rig Mobilization		0180-0164	\$150,000		
Transportation		0180-0165	\$20,000	0180-0265	\$20,000
Welding Services		0180-0168	\$5,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170	\$45,800	0180-0270	\$48,375
Directional Services	Includes Vertical Control	0180-0175	\$293,500		
Equipment Rental		0180-0180	\$236,400	0180-0280	\$30,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$5,000	0180-0285	
Intangible Supplies		0180-0188	\$8,000	0180-0288	\$1,000
Damages		0180-0190	\$50,000	0180-0290	\$113,000
ROW & Easements		0180-0192		0180-0292	\$113,000
Pipeline Interconnect				0180-0293	
Company Supervision		0180-0195	\$146,500	0180-0295	\$110,400
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment		0180-0198		0180-0298	
Contingencies	2% (TCP) 2% (CC)	0180-0199	\$48,990	0180-0299	\$88,236
TOTAL			\$2,498,490		\$4,500,011

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0")	360' - 13 3/8" 54.5# J-55 ST&C @ \$32.16/ft	0181-0794	\$12,400		
Casing (8.1" - 10.0")	1950' - 9 5/8" 40# HCL80 LT&C @ \$24.48/ft	0181-0795	\$51,000		
Casing (6.1" - 8.0")	9150' - 7" 29# HCP-110 LT&C @ \$21.5/ft	0181-0796	\$210,300		
Casing (4.1" - 6.0")	10430' - 4 1/2" 13.5# P-110 BPN @ \$11.75/ft			0181-0797	\$131,000
Tubing	8340' - 2 7/8" 6.5# EUE tbg @ \$4.54/ft			0181-0798	\$40,200
Drilling Head		0181-0860	\$40,000		
Tubing Head & Upper Section				0181-0870	\$50,000
Horizontal Completion Tools	Completion Liner Hanger			0181-0871	\$82,000
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	pumps/VRU			0181-0886	\$35,000
Tanks - Oil	(1/2) 6 - 750 bbl			0181-0890	\$65,000
Tanks - Water	(1/2) 6 - 750 bbl			0181-0891	\$60,000
Separation / Treating Equipment	1/2 (GB,2-VRT/Flare) / 30"x10"x1k 3 ph/36"x15"x1k# Ho			0181-0895	\$92,000
Heater Treaters, Line Heaters	1/2 - 8'x20'x75# HT			0181-0897	\$28,000
Metering Equipment				0181-0898	\$15,000
Line Pipe & Valves - Gathering				0181-0900	\$100,000
Fittings / Valves & Accessories				0181-0906	\$135,000
Cathodic Protection				0181-0908	\$29,000
Electrical Installation				0181-0909	\$50,000
Equipment Installation				0181-0910	\$75,000
Pipeline Construction				0181-0920	\$100,000
TOTAL			\$313,700		\$1,112,200
SUBTOTAL			\$2,812,190		\$5,612,211

TOTAL WELL COST **\$8,424,401**

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: 3/24/2020

Company Approval: *M. White* Date: 3/24/2020

Joint Owner Interest: _____ Amount: _____

Joint Owner Name: _____ Signature: _____

Revised: 01/31/2018

ATTACHMENT D

**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. 21776

VERIFIED STATEMENT OF TYLER HILL

COUNTY OF MIDLAND)
) ss.
STATE OF TEXAS)

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

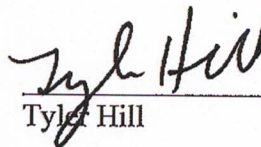
1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am a geologist for Mewbourne Oil Company ("Mewbourne"), and I am familiar with the geological matters involved in this case. I have been qualified by the Division as an expert petroleum geologist.
3. The following 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.

EXHIBIT

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.

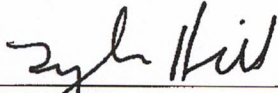
6. Attachment D is the Survey Calculation Report for wells: Mighty Ducks 15/16 WOAD State Com #1H, and the Mighty Ducks 15/16 W0HE State Com #1H. The producing interval of the proposed well will be orthodox. The Pool code is Purple Sage Wolfcamp (98220).


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.



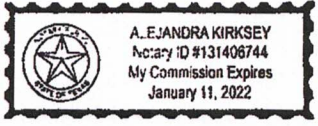
Tyler Hill

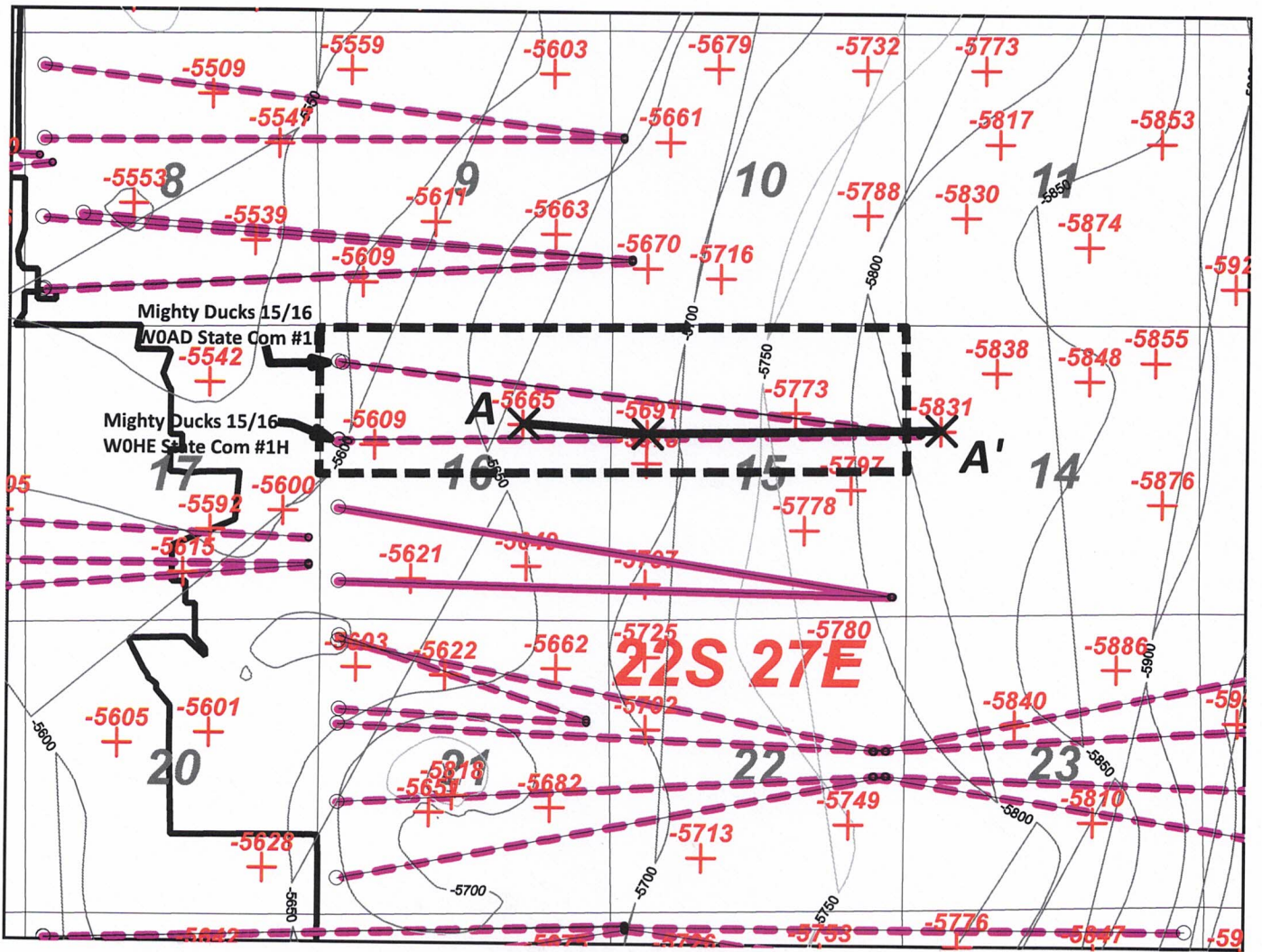
SUBSCRIBED AND SWORN TO before me this 17th day of March, 2021 by Tyler Hill.

My Commission Expires: January 11, 2022



Notary Public






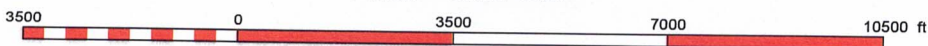
Activity Color Code (Permitted Horizons)

— — — — — Wolfcamp Sand



 Mewbourne Oil Company		
<i>Mighty Ducks 15/16 WOAD St Com #1H</i> <i>Mighty Ducks 15/16 WOHE St Com #1H</i> <i>Structure top WFMP (C.I. 50')</i>		
Author: T. Hill	County:	Date: 17 March, 2021
Scale: 1.0"=3000'		

1 inch = 3000 feet



ATTACHMENT *A*

Mighty Ducks 15/16 WOAD/HE

A

A'

300153186500
 CGG OPERATING LLC
 CCAP STATE COM 3
 NE SW NE
 Datum=3110.00
 Reference=KB
 TWP: 22 S - Range: 27 E - Sec. 16

2252 ft

300153325000
 CIMAREX ENERGY CO OF COLORADO
 FORM 3
 C SW NW
 Datum=3108.00
 Reference=KB
 TWP: 22 S - Range: 27 E - Sec. 15

6301 ft

300152511700
 MEWBOURNE OIL CO
 WALTERSHEID 1
 SW NW
 Datum=3092.00
 Reference=KB
 TWP: 22 S - Range: 27 E - Sec. 14

16G 22S/27E

15E 22S/27E

14E 22S/27E

WFMP

WFMP Sd X

WFMP Sd Y

Target

WFMP Sh A

WFMP Sh B

WFMP Sh C

WFMP Sh D

WFMP

WFMP Sd X

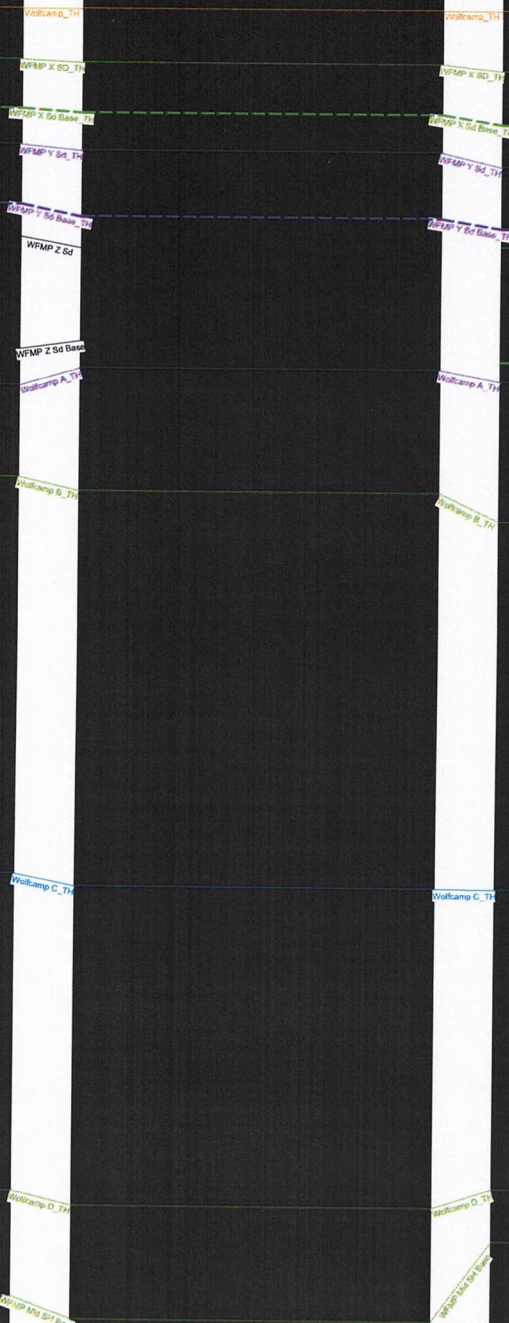
WFMP Sd Y

WFMP Sh A

WFMP Sh B

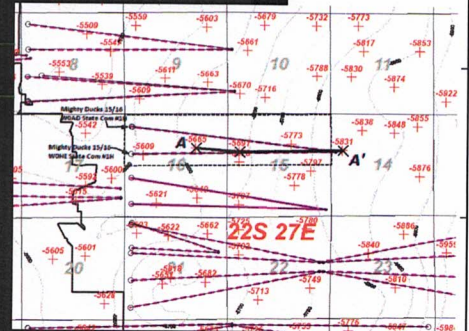
WFMP Sh C

WFMP Sh D



ATTACHMENT

13



Mighty Ducks 15/16 WOAD St Com #1H
 Mighty Ducks 15/16 WOH E St Com #1H

TD=12000

Mighty Ducks 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	74	0.89	440	5/1/2018	WFMP C Shale
300154404600	CYPRESS	1H	MARATHON	9M-9P/23S/27E	PURPLE SAGE	225	0.53	901	5/1/2017	WFMP Y Sand
300154408200	MICHAEL COLLINS 11 23S 27E RB	208H	MATADOR	11P-11M/23S/27E	PURPLE SAGE	219	0.77	934	9/1/2017	WFMP Y Sand
300154437600	CYPRESS FEE 23 27 9	4H	MARATHON	9L-9P/23S/27E	PURPLE SAGE	88	0.33	504	5/1/2018	WFMP Y Sand
300154437700	CYPRESS FEE 23 27 9	5H	MARATHON	9L-9I/23S/27E	PURPLE SAGE	126	0.60	637	3/1/2018	WFMP Y Sand
300154437800	CYPRESS FEE 23 27 9	6H	MARATHON	9L-9I/23S/27E	PURPLE SAGE	36	1.70	1441	6/1/2018	WFMP Y Sand
300154438000	CYPRESS FEE 23 27 9	8H	MARATHON	9L-9I/23S/27E	PURPLE SAGE	81	0.40	494	3/1/2018	WFMP Y Sand
300154444300	MICHAEL COLLINS 11 23S 27E RB	203H	MATADOR	11I-11L/23S/27E	PURPLE SAGE	185	0.81	879	2/1/2018	WFMP Y Sand
300154447200	MICHAEL COLLINS 11 23S 27E RB	206H	MATADOR	11I-11E/23S/27E	PURPLE SAGE	188	0.57	853	2/1/2018	WFMP Y Sand
300154454400	WOLFMAN 5 4 WOLI FEDERAL COM	1H	MEWBOURNE	5L-4I/23S/27E	PURPLE SAGE	515	1.10	1225	4/1/2018	WFMP Y Sand

ATTACHMENT

C

Mewbourne Oil Company

Mighty Ducks 15/16 W0AD St Com 1H

SURVEY CALCULATION REPORT

Minimum Curvature Calculations

Operator: Mewbourne Oil Company		Target KBTVD: 9,023 Feet	9023.00
Lease Name: Mighty Ducks 15/16 W0AD St Com 1H		Target Angle: 91.17 Degrees	91.17
KOP: 8450.04		Section Plane: 277.05 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		AZIMUT (RADIAN)
														Target	DRIFT (RADIAN)	
T/I	8450.04	0.00	277.05	N/A	8450.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	8450.0	573.0	1E-12	4.84
1	8541.21	9.12	277.05	91.170309	8540.8	7.2	0.9	-7.2	7.2	277.1	10.0	10.0	8541.0	482.0	0.15912221	4.84
2	8632.38	18.23	277.05	91.170309	8629.3	28.8	3.5	-28.6	28.8	277.1	10.0	10.0	8629.9	393.1	0.31824441	4.84
3	8723.55	27.35	277.05	91.170309	8713.3	64.1	7.9	-63.6	64.1	277.1	10.0	10.0	8714.6	308.4	0.47736662	4.84
4	8814.72	36.47	277.05	91.170309	8790.6	112.2	13.8	-111.3	112.2	277.1	10.0	10.0	8792.9	230.1	0.63648883	4.84
5	8905.89	45.59	277.05	91.170309	8859.3	172.0	21.1	-170.7	172.0	277.1	10.0	10.0	8862.8	160.2	0.79561103	4.84
6	8997.06	54.70	277.05	91.170309	8917.7	241.9	29.7	-240.1	241.9	277.1	10.0	10.0	8922.6	100.4	0.95473324	4.84
7	9088.23	63.82	277.05	91.170309	8964.2	320.2	39.3	-317.7	320.2	277.1	10.0	10.0	8970.8	52.2	1.11385545	4.84
8	9179.40	72.94	277.05	91.170309	8997.8	404.8	49.7	-401.8	404.8	277.1	10.0	10.0	9006.0	17.0	1.27297766	4.84
9	9270.57	82.05	277.05	91.170309	9017.5	493.7	60.6	-490.0	493.7	277.1	10.0	10.0	9027.6	-4.6	1.43209986	4.84
10	9361.75	91.17	277.05	91.170309	9022.9	584.7	71.8	-580.2	584.7	277.1	10.0	10.0	9034.8	-11.8	1.59122207	4.84
11	9400.00	91.17	277.05	38.254707	9022.1	622.9	76.5	-618.2	622.9	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
12	9500.00	91.17	277.05	100	9020.1	722.9	88.7	-717.4	722.9	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
13	9600.00	91.17	277.05	100	9018.0	822.9	101.0	-816.6	822.9	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
14	9700.00	91.17	277.05	100	9016.0	922.8	113.3	-915.9	922.8	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
15	9800.00	91.17	277.05	100	9013.9	1022.8	125.5	-1015.1	1022.8	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
16	9900.00	91.17	277.05	100	9011.9	1122.8	137.8	-1114.3	1122.8	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
17	10000.00	91.17	277.05	100	9009.8	1222.8	150.1	-1213.5	1222.8	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
18	10100.00	91.17	277.05	100	9007.8	1322.8	162.4	-1312.8	1322.8	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
19	10200.00	91.17	277.05	100	9005.8	1422.7	174.6	-1412.0	1422.7	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
20	10300.00	91.17	277.05	100	9003.7	1522.7	186.9	-1511.2	1522.7	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
21	10400.00	91.17	277.05	100	9001.7	1622.7	199.2	-1610.4	1622.7	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
22	10500.00	91.17	277.05	100	8999.6	1722.7	211.5	-1709.7	1722.7	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
23	10600.00	91.17	277.05	100	8997.6	1822.7	223.7	-1808.9	1822.7	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
24	10700.00	91.17	277.05	100	8995.5	1922.6	236.0	-1908.1	1922.6	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
25	10800.00	91.17	277.05	100	8993.5	2022.6	248.3	-2007.3	2022.6	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
26	10900.00	91.17	277.05	100	8991.5	2122.6	260.5	-2106.5	2122.6	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
27	11000.00	91.17	277.05	100	8989.4	2222.6	272.8	-2205.8	2222.6	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
28	11100.00	91.17	277.05	100	8987.4	2322.6	285.1	-2305.0	2322.6	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
29	11200.00	91.17	277.05	100	8985.3	2422.5	297.4	-2404.2	2422.5	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
30	11300.00	91.17	277.05	100	8983.3	2522.5	309.6	-2503.4	2522.5	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
31	11400.00	91.17	277.05	100	8981.3	2622.5	321.9	-2602.7	2622.5	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
32	11500.00	91.17	277.05	100	8979.2	2722.5	334.2	-2701.9	2722.5	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
33	11600.00	91.17	277.05	100	8977.2	2822.4	346.4	-2801.1	2822.4	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
34	11700.00	91.17	277.05	100	8975.1	2922.4	358.7	-2900.3	2922.4	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
35	11800.00	91.17	277.05	100	8973.1	3022.4	371.0	-2999.6	3022.4	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
36	11900.00	91.17	277.05	100	8971.0	3122.4	383.3	-3098.8	3122.4	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
37	12000.00	91.17	277.05	100	8969.0	3222.4	395.5	-3198.0	3222.4	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
38	12100.00	91.17	277.05	100	8967.0	3322.3	407.8	-3297.2	3322.3	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
39	12200.00	91.17	277.05	100	8964.9	3422.3	420.1	-3396.4	3422.3	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
40	12300.00	91.17	277.05	100	8962.9	3522.3	432.4	-3495.7	3522.3	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
41	12400.00	91.17	277.05	100	8960.8	3622.3	444.6	-3594.9	3622.3	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
42	12500.00	91.17	277.05	100	8958.8	3722.3	456.9	-3694.1	3722.3	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
43	12600.00	91.17	277.05	100	8956.7	3822.2	469.2	-3793.3	3822.2	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
44	12700.00	91.17	277.05	100	8954.7	3922.2	481.4	-3892.6	3922.2	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
45	12800.00	91.17	277.05	100	8952.7	4022.2	493.7	-3991.8	4022.2	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
46	12900.00	91.17	277.05	100	8950.6	4122.2	506.0	-4091.0	4122.2	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
47	13000.00	91.17	277.05	100	8948.6	4222.2	518.3	-4190.2	4222.2	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
48	13100.00	91.17	277.05	100	8946.5	4322.1	530.5	-4289.5	4322.1	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
49	13200.00	91.17	277.05	100	8944.5	4422.1	542.8	-4388.7	4422.1	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
50	13300.00	91.17	277.05	100	8942.4	4522.1	555.1	-4487.9	4522.1	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
51	13400.00	91.17	277.05	100	8940.4	4622.1	567.3	-4587.1	4622.1	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
52	13500.00	91.17	277.05	100	8938.4	4722.1	579.6	-4686.3	4722.1	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
53	13600.00	91.17	277.05	100	8936.3	4822.0	591.9	-4785.6	4822.0	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
54	13700.00	91.17	277.05	100	8934.3	4922.0	604.2	-4884.8	4922.0	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
55	13800.00	91.17	277.05	100	8932.2	5022.0	616.4	-4984.0	5022.0	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84

ATTACHMENT D

56	13900.00	91.17	277.05	100	8930.2	5122.0	628.7	-5083.2	5122.0	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
57	14000.00	91.17	277.05	100	8928.1	5221.9	641.0	-5182.5	5221.9	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
58	14100.00	91.17	277.05	100	8926.1	5321.9	653.3	-5281.7	5321.9	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
59	14200.00	91.17	277.05	100	8924.1	5421.9	665.5	-5380.9	5421.9	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
60	14300.00	91.17	277.05	100	8922.0	5521.9	677.8	-5480.1	5521.9	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
61	14400.00	91.17	277.05	100	8920.0	5621.9	690.1	-5579.4	5621.9	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
62	14500.00	91.17	277.05	100	8917.9	5721.8	702.3	-5678.6	5721.8	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
63	14600.00	91.17	277.05	100	8915.9	5821.8	714.6	-5777.8	5821.8	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
64	14700.00	91.17	277.05	100	8913.9	5921.8	726.9	-5877.0	5921.8	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
65	14800.00	91.17	277.05	100	8911.8	6021.8	739.2	-5976.2	6021.8	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
66	14900.00	91.17	277.05	100	8909.8	6121.8	751.4	-6075.5	6121.8	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
67	15000.00	91.17	277.05	100	8907.7	6221.7	763.7	-6174.7	6221.7	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
68	15100.00	91.17	277.05	100	8905.7	6321.7	776.0	-6273.9	6321.7	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
69	15200.00	91.17	277.05	100	8903.6	6421.7	788.2	-6373.1	6421.7	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
70	15300.00	91.17	277.05	100	8901.6	6521.7	800.5	-6472.4	6521.7	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
71	15400.00	91.17	277.05	100	8899.6	6621.7	812.8	-6571.6	6621.7	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
72	15500.00	91.17	277.05	100	8897.5	6721.6	825.1	-6670.8	6721.6	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
73	15600.00	91.17	277.05	100	8895.5	6821.6	837.3	-6770.0	6821.6	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
74	15700.00	91.17	277.05	100	8893.4	6921.6	849.6	-6869.3	6921.6	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
75	15800.00	91.17	277.05	100	8891.4	7021.6	861.9	-6968.5	7021.6	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
76	15900.00	91.17	277.05	100	8889.3	7121.6	874.1	-7067.7	7121.6	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
77	16000.00	91.17	277.05	100	8887.3	7221.5	886.4	-7166.9	7221.5	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
78	16100.00	91.17	277.05	100	8885.3	7321.5	898.7	-7266.1	7321.5	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
79	16200.00	91.17	277.05	100	8883.2	7421.5	911.0	-7365.4	7421.5	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
80	16300.00	91.17	277.05	100	8881.2	7521.5	923.2	-7464.6	7521.5	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
81	16400.00	91.17	277.05	100	8879.1	7621.4	935.5	-7563.8	7621.4	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
82	16500.00	91.17	277.05	100	8877.1	7721.4	947.8	-7663.0	7721.4	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
83	16600.00	91.17	277.05	100	8875.0	7821.4	960.1	-7762.3	7821.4	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
84	16700.00	91.17	277.05	100	8873.0	7921.4	972.3	-7861.5	7921.4	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
85	16800.00	91.17	277.05	100	8871.0	8021.4	984.6	-7960.7	8021.4	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
86	16900.00	91.17	277.05	100	8868.9	8121.3	996.9	-8059.9	8121.3	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
87	17000.00	91.17	277.05	100	8866.9	8221.3	1009.1	-8159.2	8221.3	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
88	17100.00	91.17	277.05	100	8864.8	8321.3	1021.4	-8258.4	8321.3	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
89	17200.00	91.17	277.05	100	8862.8	8421.3	1033.7	-8357.6	8421.3	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
90	17300.00	91.17	277.05	100	8860.7	8521.3	1046.0	-8456.8	8521.3	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
91	17400.00	91.17	277.05	100	8858.7	8621.2	1058.2	-8556.0	8621.2	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
92	17500.00	91.17	277.05	100	8856.7	8721.2	1070.5	-8655.3	8721.2	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
93	17600.00	91.17	277.05	100	8854.6	8821.2	1082.8	-8754.5	8821.2	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
94	17700.00	91.17	277.05	100	8852.6	8921.2	1095.0	-8853.7	8921.2	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
95	17800.00	91.17	277.05	100	8850.5	9021.2	1107.3	-8952.9	9021.2	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
96	17900.00	91.17	277.05	100	8848.5	9121.1	1119.6	-9052.2	9121.1	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
97	18000.00	91.17	277.05	100	8846.4	9221.1	1131.9	-9151.4	9221.1	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
98	18100.00	91.17	277.05	100	8844.4	9321.1	1144.1	-9250.6	9321.1	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
99	18200.00	91.17	277.05	100	8842.4	9421.1	1156.4	-9349.8	9421.1	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
100	18300.00	91.17	277.05	100	8840.3	9521.1	1168.7	-9449.1	9521.1	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
101	18400.00	91.17	277.05	100	8838.3	9621.0	1181.0	-9548.3	9621.0	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
102	18500.00	91.17	277.05	100	8836.2	9721.0	1193.2	-9647.5	9721.0	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
103	18600.00	91.17	277.05	100	8834.2	9821.0	1205.5	-9746.7	9821.0	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
104	18700.00	91.17	277.05	100	8832.2	9921.0	1217.8	-9845.9	9921.0	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
105	18800.00	91.17	277.05	100	8830.1	10020.9	1230.0	-9945.2	10020.9	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
106	18900.00	91.17	277.05	100	8828.1	10120.9	1242.3	-10044.4	10120.9	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
107	19000.00	91.17	277.05	100	8826.0	10220.9	1254.6	-10143.6	10220.9	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
108	19100.00	91.17	277.05	100	8824.0	10320.9	1266.9	-10242.8	10320.9	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
109	19200.00	91.17	277.05	100	8821.9	10420.9	1279.1	-10342.1	10420.9	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
110	19300.00	91.17	277.05	100	8819.9	10520.8	1291.4	-10441.3	10520.8	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
111	19385.00	91.17	277.05	85.002345	8818.2	10605.8	1301.8	-10525.6	10605.8	277.1	0.0	0.0	9034.8	-11.8	1.59122207	4.84
112	19385.00	91.17	277.05	0	8818.2	10605.8	1301.8	-10525.6	10605.8	277.1	#DIV/0!	#DIV/0!	9034.8	-11.8	1.59122207	4.84

Mewbourne Oil Company

Mighty Ducks 15/16 WOHE St Com 1H

SURVEY CALCULATION REPORT

Minimum Curvature Calculations

Operator: Mewbourne Oil Company

Target KBTVD: 9,023 Feet 9023.00

Lease Name: mighty Ducks 15/16 WOHE St Com 1

Target Angle: 91.18 Degrees 91.18

KOP 8450.04

Section Plane: 269.42 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		DRIFT RADIANS	AZIMU (RADIAN)
														-Below Target			
T/I	8450.04	0.00	269.42	N/A	8450.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	8450.0	573.0	1E-12	4.70	
1	8541.23	9.12	269.42	91.183	8540.8	7.2	-0.1	-7.2	7.2	269.4	10.0	10.0	8541.0	482.0	0.15914	4.70	
2	8632.41	18.24	269.42	91.183	8629.3	28.8	-0.3	-28.8	28.8	269.4	10.0	10.0	8629.9	393.1	0.31829	4.70	
3	8723.59	27.35	269.42	91.183	8713.3	64.1	-0.6	-64.1	64.1	269.4	10.0	10.0	8714.6	308.4	0.47743	4.70	
4	8814.78	36.47	269.42	91.183	8790.6	112.2	-1.1	-112.2	112.2	269.4	10.0	10.0	8793.0	230.0	0.63658	4.70	
5	8905.96	45.59	269.42	91.183	8859.3	172.0	-1.7	-172.0	172.0	269.4	10.0	10.0	8862.9	160.1	0.79572	4.70	
6	8997.14	54.71	269.42	91.183	8917.7	242.0	-2.4	-241.9	242.0	269.4	10.0	10.0	8922.7	100.3	0.95487	4.70	
7	9088.32	63.83	269.42	91.183	8964.3	320.2	-3.2	-320.2	320.2	269.4	10.0	10.0	8970.9	52.1	1.11401	4.70	
8	9179.51	72.95	269.42	91.183	8997.8	404.9	-4.1	-404.9	404.9	269.4	10.0	10.0	9006.2	16.8	1.27316	4.70	
9	9270.69	82.06	269.42	91.183	9017.5	493.9	-5.0	-493.8	493.9	269.4	10.0	10.0	9027.7	-4.7	1.4323	4.70	
10	9361.87	91.18	269.42	91.183	9022.9	584.8	-5.9	-584.8	584.8	269.4	10.0	10.0	9035.0	-12.0	1.59145	4.70	
11	9400.00	91.18	269.42	38.125	9022.1	622.9	-6.3	-622.9	622.9	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
12	9500.00	91.18	269.42	100	9020.0	722.9	-7.3	-722.8	722.9	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
13	9600.00	91.18	269.42	100	9018.0	822.9	-8.3	-822.8	822.9	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
14	9700.00	91.18	269.42	100	9015.9	922.8	-9.3	-922.8	922.8	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
15	9800.00	91.18	269.42	100	9013.8	1022.8	-10.3	-1022.8	1022.8	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
16	9900.00	91.18	269.42	100	9011.8	1122.8	-11.3	-1122.7	1122.8	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
17	10000.00	91.18	269.42	100	9009.7	1222.8	-12.3	-1222.7	1222.8	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
18	10100.00	91.18	269.42	100	9007.6	1322.8	-13.3	-1322.7	1322.8	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
19	10200.00	91.18	269.42	100	9005.6	1422.7	-14.3	-1422.7	1422.7	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
20	10300.00	91.18	269.42	100	9003.5	1522.7	-15.4	-1522.6	1522.7	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
21	10400.00	91.18	269.42	100	9001.4	1622.7	-16.4	-1622.6	1622.7	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
22	10500.00	91.18	269.42	100	8999.4	1722.7	-17.4	-1722.6	1722.7	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
23	10600.00	91.18	269.42	100	8997.3	1822.7	-18.4	-1822.6	1822.7	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
24	10700.00	91.18	269.42	100	8995.2	1922.6	-19.4	-1922.5	1922.6	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
25	10800.00	91.18	269.42	100	8993.2	2022.6	-20.4	-2022.5	2022.6	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
26	10900.00	91.18	269.42	100	8991.1	2122.6	-21.4	-2122.5	2122.6	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
27	11000.00	91.18	269.42	100	8989.1	2222.6	-22.4	-2222.5	2222.6	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
28	11100.00	91.18	269.42	100	8987.0	2322.5	-23.4	-2322.4	2322.5	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
29	11200.00	91.18	269.42	100	8984.9	2422.5	-24.4	-2422.4	2422.5	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
30	11300.00	91.18	269.42	100	8982.9	2522.5	-25.4	-2522.4	2522.5	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
31	11400.00	91.18	269.42	100	8980.8	2622.5	-26.4	-2622.3	2622.5	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
32	11500.00	91.18	269.42	100	8978.7	2722.5	-27.5	-2722.3	2722.5	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
33	11600.00	91.18	269.42	100	8976.7	2822.4	-28.5	-2822.3	2822.4	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
34	11700.00	91.18	269.42	100	8974.6	2922.4	-29.5	-2922.3	2922.4	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
35	11800.00	91.18	269.42	100	8972.5	3022.4	-30.5	-3022.2	3022.4	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
36	11900.00	91.18	269.42	100	8970.5	3122.4	-31.5	-3122.2	3122.4	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
37	12000.00	91.18	269.42	100	8968.4	3222.4	-32.5	-3222.2	3222.4	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
38	12100.00	91.18	269.42	100	8966.3	3322.3	-33.5	-3322.2	3322.3	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
39	12200.00	91.18	269.42	100	8964.3	3422.3	-34.5	-3422.1	3422.3	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
40	12300.00	91.18	269.42	100	8962.2	3522.3	-35.5	-3522.1	3522.3	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
41	12400.00	91.18	269.42	100	8960.1	3622.3	-36.5	-3622.1	3622.3	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
42	12500.00	91.18	269.42	100	8958.1	3722.2	-37.5	-3722.1	3722.2	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
43	12600.00	91.18	269.42	100	8956.0	3822.2	-38.5	-3822.0	3822.2	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
44	12700.00	91.18	269.42	100	8953.9	3922.2	-39.6	-3922.0	3922.2	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
45	12800.00	91.18	269.42	100	8951.9	4022.2	-40.6	-4022.0	4022.2	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
46	12900.00	91.18	269.42	100	8949.8	4122.2	-41.6	-4122.0	4122.2	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
47	13000.00	91.18	269.42	100	8947.8	4222.1	-42.6	-4221.9	4222.1	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	
48	13100.00	91.18	269.42	100	8945.7	4322.1	-43.6	-4321.9	4322.1	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70	

49	13200.00	91.18	269.42	100	8943.6	4422.1	-44.6	-4421.9	4422.1	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
50	13300.00	91.18	269.42	100	8941.6	4522.1	-45.6	-4521.8	4522.1	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
51	13400.00	91.18	269.42	100	8939.5	4622.1	-46.6	-4621.8	4622.1	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
52	13500.00	91.18	269.42	100	8937.4	4722.0	-47.6	-4721.8	4722.0	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
53	13600.00	91.18	269.42	100	8935.4	4822.0	-48.6	-4821.8	4822.0	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
54	13700.00	91.18	269.42	100	8933.3	4922.0	-49.6	-4921.7	4922.0	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
55	13800.00	91.18	269.42	100	8931.2	5022.0	-50.6	-5021.7	5022.0	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
56	13900.00	91.18	269.42	100	8929.2	5121.9	-51.7	-5121.7	5121.9	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
57	14000.00	91.18	269.42	100	8927.1	5221.9	-52.7	-5221.7	5221.9	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
58	14100.00	91.18	269.42	100	8925.0	5321.9	-53.7	-5321.6	5321.9	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
59	14200.00	91.18	269.42	100	8923.0	5421.9	-54.7	-5421.6	5421.9	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
60	14300.00	91.18	269.42	100	8920.9	5521.9	-55.7	-5521.6	5521.9	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
61	14400.00	91.18	269.42	100	8918.8	5621.8	-56.7	-5621.6	5621.8	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
62	14500.00	91.18	269.42	100	8916.8	5721.8	-57.7	-5721.5	5721.8	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
63	14600.00	91.18	269.42	100	8914.7	5821.8	-58.7	-5821.5	5821.8	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
64	14700.00	91.18	269.42	100	8912.6	5921.8	-59.7	-5921.5	5921.8	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
65	14800.00	91.18	269.42	100	8910.6	6021.8	-60.7	-6021.4	6021.8	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
66	14900.00	91.18	269.42	100	8908.5	6121.7	-61.7	-6121.4	6121.7	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
67	15000.00	91.18	269.42	100	8906.4	6221.7	-62.7	-6221.4	6221.7	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
68	15100.00	91.18	269.42	100	8904.4	6321.7	-63.8	-6321.4	6321.7	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
69	15200.00	91.18	269.42	100	8902.3	6421.7	-64.8	-6421.3	6421.7	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
70	15300.00	91.18	269.42	100	8900.3	6521.6	-65.8	-6521.3	6521.6	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
71	15400.00	91.18	269.42	100	8898.2	6621.6	-66.8	-6621.3	6621.6	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
72	15500.00	91.18	269.42	100	8896.1	6721.6	-67.8	-6721.3	6721.6	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
73	15600.00	91.18	269.42	100	8894.1	6821.6	-68.8	-6821.2	6821.6	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
74	15700.00	91.18	269.42	100	8892.0	6921.6	-69.8	-6921.2	6921.6	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
75	15800.00	91.18	269.42	100	8889.9	7021.5	-70.8	-7021.2	7021.5	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
76	15900.00	91.18	269.42	100	8887.9	7121.5	-71.8	-7121.2	7121.5	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
77	16000.00	91.18	269.42	100	8885.8	7221.5	-72.8	-7221.1	7221.5	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
78	16100.00	91.18	269.42	100	8883.7	7321.5	-73.8	-7321.1	7321.5	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
79	16200.00	91.18	269.42	100	8881.7	7421.5	-74.8	-7421.1	7421.5	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
80	16300.00	91.18	269.42	100	8879.6	7521.4	-75.9	-7521.1	7521.4	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
81	16400.00	91.18	269.42	100	8877.5	7621.4	-76.9	-7621.0	7621.4	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
82	16500.00	91.18	269.42	100	8875.5	7721.4	-77.9	-7721.0	7721.4	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
83	16600.00	91.18	269.42	100	8873.4	7821.4	-78.9	-7821.0	7821.4	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
84	16700.00	91.18	269.42	100	8871.3	7921.3	-79.9	-7920.9	7921.3	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
85	16800.00	91.18	269.42	100	8869.3	8021.3	-80.9	-8020.9	8021.3	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
86	16900.00	91.18	269.42	100	8867.2	8121.3	-81.9	-8120.9	8121.3	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
87	17000.00	91.18	269.42	100	8865.1	8221.3	-82.9	-8220.9	8221.3	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
88	17100.00	91.18	269.42	100	8863.1	8321.3	-83.9	-8320.8	8321.3	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
89	17200.00	91.18	269.42	100	8861.0	8421.2	-84.9	-8420.8	8421.2	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
90	17300.00	91.18	269.42	100	8859.0	8521.2	-85.9	-8520.8	8521.2	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
91	17400.00	91.18	269.42	100	8856.9	8621.2	-86.9	-8620.8	8621.2	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
92	17500.00	91.18	269.42	100	8854.8	8721.2	-88.0	-8720.7	8721.2	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
93	17600.00	91.18	269.42	100	8852.8	8821.2	-89.0	-8820.7	8821.2	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
94	17700.00	91.18	269.42	100	8850.7	8921.1	-90.0	-8920.7	8921.1	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
95	17800.00	91.18	269.42	100	8848.6	9021.1	-91.0	-9020.7	9021.1	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
96	17900.00	91.18	269.42	100	8846.6	9121.1	-92.0	-9120.6	9121.1	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
97	18000.00	91.18	269.42	100	8844.5	9221.1	-93.0	-9220.6	9221.1	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
98	18100.00	91.18	269.42	100	8842.4	9321.1	-94.0	-9320.6	9321.1	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
99	18200.00	91.18	269.42	100	8840.4	9421.0	-95.0	-9420.6	9421.0	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
100	18300.00	91.18	269.42	100	8838.3	9521.0	-96.0	-9520.5	9521.0	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
101	18400.00	91.18	269.42	100	8836.2	9621.0	-97.0	-9620.5	9621.0	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
102	18500.00	91.18	269.42	100	8834.2	9721.0	-98.0	-9720.5	9721.0	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
103	18600.00	91.18	269.42	100	8832.1	9820.9	-99.0	-9820.4	9820.9	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
104	18700.00	91.18	269.42	100	8830.0	9920.9	-100.0	-9920.4	9920.9	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
105	18800.00	91.18	269.42	100	8828.0	10020.9	-101.1	#####	10020.9	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
106	18900.00	91.18	269.42	100	8825.9	10120.9	-102.1	#####	10120.9	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
107	19000.00	91.18	269.42	100	8823.8	10220.9	-103.1	#####	10220.9	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
108	19100.00	91.18	269.42	100	8821.8	10320.8	-104.1	#####	10320.8	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
109	19200.00	91.18	269.42	100	8819.7	10420.8	-105.1	#####	10420.8	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
110	19275.22	91.18	269.42	75.219	8818.2	10496.0	-105.8	#####	10496.0	269.4	0.0	0.0	9035.0	-12.0	1.59145	4.70
111	19275.22	91.18	269.42	0	8818.2	10496.0	-105.8	#####	10496.0	269.4	#####	#####	9035.0	-12.0	1.59145	4.70

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

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

Case No. 21776

SELF-AFFIRMED STATEMENT OF NOTICE

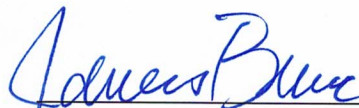
COUNTY OF SANTA FE)
) ss.
STATE OF NEW MEXICO)

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 application filed herein.
4. Notice of the application was provided to the interest owners, at their last known addresses, by certified mail. Copies of the notice letter and certified return receipt 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:

5/18/21



James Bruce

EXHIBIT

4

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

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

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

jamesbruc@aol.com

March 18, 2021

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

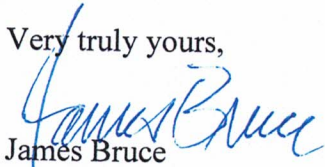
Ladies and gentlemen:

Enclosed is a copy of an application (Case No. 21776), filed with the New Mexico Oil Conservation Division by Mewbourne Oil Company, seeking an order the pooling all mineral interest owners in the Wolfcamp formation underlying a horizontal spacing unit comprised of the N/2 of Section 15 and the N/2 of Section 16, Township 22 South, Range 27 East, NMPM. The unit will be dedicated to: (a) the Mighty Ducks 15/16 W0AD State Com. Well No. 1H, with a first take point in the NE/4NE/4 of 15 and a final take point in the NW/4NW/4 of Section 16; and (b) the Mighty Ducks 15/16 W0HE State Com. Well No. 1H, with a first take point in the SE/4NE/4 of 15 and a final take point in the SW/4NW/4 of Section 16.

This matter is scheduled for hearing at 8:15 a.m. on Thursday, April 8, 2021. 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 this matter 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, April 1, 2021. 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.

ATTACHMENT *A*

Very truly yours,


James Bruce

Attorney for Mewbourne Oil Company

EXHIBIT A

Chisholm Energy Operating, LLC
801 Cherry Street, Suite 1200 – Unit 20
Fort Worth, Texas 76102

Attention: Luke Shelton

Track Another Package +

Tracking Number: 70200640000013879285

Remove X

Your item was delivered to the front desk, reception area, or mail room at 12:50 pm on March 29, 2021 in FORT WORTH, TX 76102.

✓ Delivered, Front Desk/Reception/Mail Room

March 29, 2021 at 12:50 pm
FORT WORTH, TX 76102

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- Product Information**

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<p>Postage \$</p> <p>Total Postage and Fees \$</p>	

Sent To Chisholm Energy Operating, LLC
 Street and Apt. No 801 Cherry Street, Suite 1200 - Unit 20
 City, State, ZIP+4® Fort Worth, Texas 76102

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

7020 0640 0000 1387 9285

M. Ducks

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Go to our FAQs section to find answers to your tracking questions.

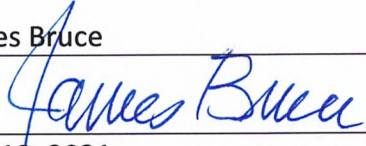
COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case:	21776
Date	May 20, 2021
Applicant	Mewbourne Oil Company
Designated Operator & OGRID (affiliation if applicable)	Mewbourne Oil Company/OGRID No. 14744
Applicant's Counsel:	James Bruce
Case Title:	Application of Mewbourne Oil Company for Compulsory Pooling, Eddy County, New Mexico
Entries of Appearance/Intervenors:	
Well Family	Mighty Ducks 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:	East-West
Description: TRS/County	N/2 §15 and N/2 §16-22S-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
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	<p>Mighty Ducks W0AD State Com. Well No. 1H API No. 30-015-Pending SHL: 2050 FNL & 205 FEL §15-22S-27E BHL: 660 FNL & 330 FWL §16 FTP: 660 FNL & 330 FWL §15 LTP: 660 FNL & 330 FEL §16 Upper Wolfcamp/TVD 8818 feet/MD 18950 feet</p>

EXHIBIT 5

	Mighty Ducks WOHE State Com. Well No. 1H API No. 30-015-Pending SHL: 2080 FNL & 205 FEL §15-22S-27E BHL: 2080 FNL & 330 FWL §16 FTP: 2080 FNL & 330 FWL §15 LTP: 2080 FNL & 330 FEL §16 Upper Wolfcamp/TVD 8818 feet/MD 18853 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)	
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit 2-B
Tract List (including lease numbers and owners)	
Pooled Parties (including ownership type)	Exhibit 2B
Unlocatable Parties to be Pooled	None
Ownership Depth Severance (including percentage above & below)	None
Joinder	
Sample Copy of Proposal Letter	Exhibit 2-C
List of Interest Owners (<i>i.e.</i> Exhibit A of JOA)	Exhibit 2-B
Chronology of Contact with Non-Joined Working Interests	Exhibit 2-C
Overhead Rates In Proposal Letter	
Cost Estimate to Drill and Complete	Exhibit 2-D
Cost Estimate to Equip Well	Exhibit 2-D
Cost Estimate for Production Facilities	Exhibit 2-D
Geology	
Summary (including special considerations)	Exhibit 3
Spacing Unit Schematic	Exhibit 3-A
Gunbarrel/Lateral Trajectory Schematic	Exhibit 3-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 2-A
Tracts	Exhibit 2-A
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit 2-B
General Location Map (including basin)	Exhibit 2-A
Well Bore Location Map	Exhibit 2-A
Structure Contour Map - Subsea Depth	Exhibit 3-A
Cross Section Location Map (including wells)	Exhibit 3-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:	May 18, 2021