

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

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

Case No. 21391

**MEWBOURNE OIL COMPANY'S
HEARING EXHIBITS**

Compulsory Pooling Checklist

Exhibit A	Self-Affirmed Statement of Mitch Robb
A-1	Application
A-2	Midland Map
A-3	Plat of Tracts
A-4	Unit Recapitulation
A-5	List of Tract Ownership and Pooled Parties
A-6	Well Proposal Letter
A-7	Summary of Communications
A-8	Proposed Notice of Hearing
A-9	Hearing Notice Letter and Return Receipts
A-10	Affidavit of Publication
A-11	Authorization for Expenditures
Exhibit B	Self-Affirmed Statement of Charles Crosby
B-1	General Location Map
B-2	Structure Map

B-3	Gross Isopach Map
B-4	Cross Section
B-5	Production Table
B-6	Well Planning Report

COMPULSORY POOLING APPLICATION CHECKLIST (pdf)

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case: #21391

APPLICANT'S RESPONSE

Date: November 3, 2020

Applicant

Mewbourne Oil Company

Designated Operator & OGRID (affiliation if applicable)

Mewbourne Oil Company, 14744

Applicant's Counsel:

Hinkle Shanor LLP, Dana S. Hardy

Case Title:

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

Entries of Appearance/Intervenors:

MRC Permian, LLC

Well Family

Eastwatch

Formation/Pool

Formation Name(s) or Vertical Extent:

Bone Spring Formation

Primary Product (Oil or Gas):

Oil

Pooling this vertical extent:

Bone Spring Formation

Pool Name and Pool Code:

Young Bone Spring North Pool, Code 65350

Well Location Setback Rules:

Standard Oil, 100' setback

Spacing Unit Size:

40 acres

Spacing Unit

Type (Horizontal/Vertical)

Horizontal

Size (Acres)

320 acres

Building Blocks:

40 acres

Orientation:

West to East

Description: TRS/County

S/2 N/2 Sections 3 and 4, Township 18 South, Range
32 East, Lea 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

No

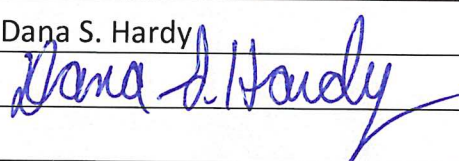
Applicant's Ownership in Each Tract

Exhibit A-5

Well(s)

**Name & API (if assigned), surface and bottom hole location,
footages, completion target, orientation, completion status
(standard or non-standard)**

Well #1	Eastwatch 4/3 B2EH Fed Com #1H (API # unassigned); SHL: 2170' FNL & 300' FWL (Sec. 4); BHL: 1980' FNL & 100' FEL (Sec. 3); laydown; standard
Well #2	
Horizontal Well First and Last Take Points	FTP: 1980' FNL and 100' FWL (Sec. 4); LTP: 1980' FNL & 100' FEL (Sec. 3)
Completion Target (Formation, TVD and MD)	Bone Spring Formation; TVD: 8,530'; MD: 17,480'
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$8,000, Exhibit A
Production Supervision/Month \$	\$800, Exhibit A
Justification for Supervision Costs	Exhibit A
Requested Risk Charge	200%, Exhibit A
Notice of Hearing	
Proposed Notice of Hearing	Exhibit A-8
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit A-9
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit A-10
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit A-3
Tract List (including lease numbers and owners)	Exhibit A-5
Pooled Parties (including ownership type)	Exhibit A-5
Unlocatable Parties to be Pooled	Exhibit A-5
Ownership Depth Severance (including percentage above & below)	N/A
Joinder	
Sample Copy of Proposal Letter	Exhibit A-6
List of Interest Owners (ie Exhibit A of JOA)	Exhibit A-5
Chronology of Contact with Non-Joined Working Interests	Exhibit A-7
Overhead Rates In Proposal Letter	Exhibits A, A-6

Cost Estimate to Drill and Complete	Exhibit A-11
Cost Estimate to Equip Well	Exhibit A-11
Cost Estimate for Production Facilities	Exhibit A-11
Geology	
Summary (including special considerations)	Exhibit B
Spacing Unit Schematic	Exhibits B-1, B-2
Gunbarrel/Lateral Trajectory Schematic	Exhibit B-6
Well Orientation (with rationale)	Exhibit B
Target Formation	Exhibit B
HSU Cross Section	Exhibit B-4
Depth Severance Discussion	Exhibit B
Forms, Figures and Tables	
C-102	Pending
Tracts	Exhibit A-3
Summary of Interests, Unit Recapitulation (Tracts)	Exhibits A-3, A-4, A-5
General Location Map (including basin)	Exhibit B-1
Well Bore Location Map	Exhibits B-1, B-2
Structure Contour Map - Subsea Depth	Exhibit B-2
Cross Section Location Map (including wells)	Exhibit B-2
Cross Section (including Landing Zone)	Exhibit B-4
Additional Information	No special provision/stipulations
CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.	
Printed Name (Attorney or Party Representative):	Dana S. Hardy
Signed Name (Attorney or Party Representative):	
Date:	3-Nov-20

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

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

Case No. 21391

**SELF-AFFIRMED STATEMENT OF
MITCH ROBB**

1. I am over 18 years of age and am competent to provide this Self-Affirmed Statement. I have personal knowledge of the matters addressed herein.

2. I am a landman for Mewbourne Oil Company ("Mewbourne"). I have had direct involvement with Mewbourne's development of the 320-acre, more or less, standard horizontal spacing unit ("HSU") that is the subject of Mewbourne's application in this case. A copy of the application is attached as Exhibit A-1.

3. I have previously testified before the Division, and my qualifications as an expert in petroleum land matters were accepted.

A. Proposed Horizontal Spacing Unit

4. The proposed HSU is comprised of the S/2 N/2 of Sections 3 and 4, Township 18 South, Range 32 East in Lea County, New Mexico. A Midland Map depicting the proposed HSU is attached as Exhibit A-2.

5. Mewbourne seeks to pool all uncommitted interests in the Bone Spring formation underlying the HSU.

6. The HSU will be dedicated to the Eastwatch 4/3 B2EH Fed Com #1H well, which will be horizontally drilled from a surface location in Unit E in Section 4 to a bottom hole location in Unit H in Section 3, Township 18 South, Range 32 East in Lea County. The first take point for

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**MEWBOURNE OIL
Exhibit A**

the Eastwatch 4/3 B2EH Fed Com #1H well is 1980' FNL and 100' FWL in Section 4, and the last take point is 1980' FNL and 100' FEL in Section 3. The target interval is the Bone Spring formation at 8,530' TVD and 17,480' TMD.

7. The proposed well will be completed from West to East, and the completed interval of the well will be orthodox.

8. The proposed well is located in the Young Bone Spring North Pool, Code 65350. With respect to well setback requirements, this pool is subject to the statewide horizontal well rules set out in NMAC 19.15.16.15. Spacing in this pool is based on quarter-quarter sections, and the HSU is constructed based on quarter-quarter sections.

9. The C-102 for the proposed well is pending.

B. Ownership Determination

10. A plat of the tracts included in the HSU and the associated ownership interests is attached as Exhibit A-3, and a recapitulation is attached as Exhibit A-4.

11. A list of the tract ownership, which also identifies the pooled parties and unlocatable interests, is attached as Exhibit A-5.

12. There is no depth severance in the Bone Spring formation in the proposed HSU.

13. Mewbourne has the right to pool any overriding royalty owners in the HSU.

C. Joinder

14. I sent well proposal letters to the uncommitted interests on December 17, 2019 and subsequently had follow-up communications with them. My well proposal letter is attached as Exhibit A-6. A summary of my follow-up contacts with the uncommitted interests is attached as Exhibit A-7.

15. A list of interest owners is provided in Exhibit A-5.
16. 44.883929% of the working interests are committed to the proposed well.
17. In my opinion, Mewbourne has made a good faith effort to obtain the voluntary joinder of uncommitted interests in the proposed wells.

D. Notice of Hearing

18. Mewbourne's proposed notice of hearing is attached as Exhibit A-8.
19. At my direction, notice of Mewbourne's application and the Division hearing was provided to the uncommitted interests at least 20 days prior to the hearing date. The notice letter and associated receipts are attached as Exhibit A-9.
20. Notice of Mewbourne's application and the Division hearing was published more than ten business days prior to the hearing date. The affidavit of publication is attached as Exhibit A-10.
21. Mewbourne conducted a diligent, good-faith effort to identify the correct addresses of persons entitled to notice and has complied with the Division's notice requirements.

E. Drilling and Operating Costs

22. The AFEs for the proposed wells are attached as Exhibit A-11. The estimated cost of the well is fair and reasonable and is comparable to the cost of other wells of similar depth and length drilled in Lea County.
23. Mewbourne requests overhead and administrative rates of \$8,000 per month while the well is being drilled and \$800 per month while the well is producing. These rates are fair and are comparable to the rates charged by Mewbourne and by other operators in the vicinity. They are also the rates set forth in the Joint Operating Agreement for the HSU. Mewbourne further

requests that the rates be adjusted periodically in accordance with the COPAS Accounting Procedure.

24. Mewbourne requests that it be designated the operator of the well.

25. Mewbourne also requests that a 200% risk charge be assessed against the uncommitted interests if they are non-consenting working interest owners.

26. The attached exhibits attached were either prepared by me or under my supervision, or were compiled from company business records.

27. In my opinion, the granting of Mewbourne's application would serve the interests of conservation, the protection of correlative rights, and the prevention of waste.

28. 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 27 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.


Mitch Robb

10/27/2020
Date

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

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

Case No. 21391

APPLICATION

Pursuant to NMSA § 70-2-17, Mewbourne Oil Company ("Mewbourne") applies for an order pooling all uncommitted mineral interests in the Bone Spring formation in a 320-acre, more or less, standard horizontal spacing unit comprised of the S/2 N/2 of Sections 3 and 4, Township 18 South, Range 32 East in Lea County, New Mexico. In support of its application, Mewbourne states the following.

1. Mewbourne (OGRID No. 14744) is a working interest owner in the proposed horizontal spacing unit and has the right to drill a well thereon.
2. The horizontal spacing unit will be dedicated to the Eastwatch 4/3 B2EH Fed Com #1H well, which will be horizontally drilled from a surface location in Unit E in Section 4 to a bottom hole location in Unit H in Section 3.
3. The completed interval for the well will be orthodox.
4. Mewbourne has undertaken diligent, good-faith efforts to obtain voluntary agreements from all mineral interest owners to participate in the drilling of the well but has been unable to obtain voluntary agreements from all of the mineral interest owners.
5. The pooling of all uncommitted mineral interests in the Bone Spring formation underlying the S/2 N/2 of Sections 3 and 4, Township 18 South, Range 32 East will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.

Case No. 21391

**MEWBOURNE OIL
Exhibit A-1**

6. In order to allow Mewbourne to obtain its just and fair share of the oil and gas underlying the subject lands, all uncommitted mineral interests in the horizontal spacing unit should be pooled.

WHEREFORE, Mewbourne requests that this application be set for hearing on September 10, 2020 and that, after notice and hearing, the Division enter an order:

A. Pooling all uncommitted mineral interests in the Bone Spring formation underlying the S/2 N/2 of Sections 3 and 4, Township 18 South, Range 32 East in Lea County;

B. Designating Mewbourne as the operator of the Eastwatch 4/3 B2EH Fed Com #1H well;

C. Authorizing Mewbourne to recover its costs of drilling, equipping, and completing the Eastwatch 4/3 B2EH Fed Com #1H well and allocating the costs among the well's working interest owners;

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

E. Imposing a 200% penalty for the risk assumed by Mewbourne in drilling and completing the Eastwatch 4/3 B2EH Fed Com #1H well against any mineral interest owner who does not voluntarily participate in the drilling of the well.

Respectfully submitted,

HINKLE SHANOR LLP

/s/ Dana S. Hardy

Dana S. Hardy

Dioscoro "Andy" Blanco

P.O. Box 2068

Santa Fe, NM 87504-2068

Phone: (505) 982-4554

Facsimile: (505) 982-8623

dhardy@hinklelawfirm.com

dblanco@hinklelawfirm.com

Counsel for Mewbourne Oil Company

Eastwatch 3/4 B2EH Fed Com #1H

10-1006 Tr 10 064638 Flinch Oak En. 064638	10-1006 Tr 10 064638 Flinch Oak En. 064638	10-1006 Tr 10 064638 Flinch Oak En. 064638	10-1006 Tr 10 064638 Flinch Oak En. 064638
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MEWBOURNE OIL
Exhibit A-2

Section Plat
Eastwatch 4/3 B2EH Fed Com #1H
S/2N/2 of Sections 3&4-T18S-R32E, Lea County, NM

Section 4			Section 3		
Tract 1	Tract 2	Tract 3	Tract 4	Tract 5	Tract 6

Tract 1: SW/4NW/4 of Sec 4 - Fed Lease LC 063345

Arnold Frank Brock
Chase Oil Corporation
Christine Brock
Delbert Ray Utter
Evelyn B. Harris
Platform Energy III, LLC
Irene G. Brock
Majorie Nell Clark
Rebecca Jane Kelly Babbit

Tract 2: SE/4NW/4 of Sec 4 - Fed Lease LC 060503

XTO Holdings, LLC

Tract 3: S/2NE/4 of Sec 4 - Fed Lease LC 061840-A

Mewbourne Oil Company

Tract 4: SW/4NW/4 of Sec 4 - Fed Lease NM 029409-B

Mewbourne Oil Company

Tract 5: SE/4NW/4 of Sec 3 - Fed Lease LC 036852

Chase Oil Corporation
DiaKan Minerals LLC
Robert C. Chase
Ventana Minerals LLC

Tract 6: S/2NE/4 of Sec 3 - Fed Lease NM 11118

Mewbourne Oil Company
Colkelan Corp.
David B. Pearcy
Jalapeno Corp.
MRC Delaware Resources LLC
MRC Explorers Resources LLC
MRC Spiral Resources LLC
Rosemary T. Avery
Yates Energy Corporation

Case No. 21391

**MEWBOURNE OIL
Exhibit A-3**

RECAPITUALTION FOR EASTWATCH 3/4 B2EH FED COM #1H

Tract Number	Number of Acres Committeed	Percentage of Interst in Communitized Area
1	40	12.500000%
2	40	12.500000%
3	80	25.000000%
4	40	12.500000%
5	40	12.500000%
6	80	25.000000%
TOTAL	320	75.000000%

T18S-R32E, Lea County, NM

Section 4			Section 3		
Tract 1	Tract 2	Tract 3	Tract 4	Tract 5	Tract 6

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MEWBOURNE OIL
Exhibit A-4

TRACT OWNERSHIP
Eastwatch 3/4 B2EH Fed Com #1H
S/2N/2 of Sections 3&4-T18S-R32E, Lea County, NM

S/2N/2 of Section 3 & S/2N/2 of Section 4

Bone Spring Formation:

Owner	% of Leasehold Interest
Mewbourne Oil Company, et al.	44.883929%
*XTO Holdings, LLC	12.500000%
*MRC Delaware Resources LLC	11.798579%
*Chase Oil Corporation	11.145833%
*Yates Energy Corporation	4.071426%
*Christine Brock (unlocatable)	3.125000%
*MRC Explorers Resources LLC	1.569179%
*Irene G. Brock (unlocatable)	1.562500%
*Colkelan Corp. (unlocatable)	1.283821%
*Rebecca Jane Kelly Babbit (unlocatable)	1.250000%
*Delbert Ray Utter	1.250000%
*Evelyn B. Harris (unlocatable)	1.250000%
*MRC Spiral Resources LLC	1.143066%
*DiaKan Minerals LLC	0.625000%
*Ventana Minerals LLC	0.625000%
*Robert C. Chase	0.625000%
*Arnold Frank Brock (unlocatable)	0.520833%
*Majorie Nell Clark (unlocatable)	0.520833%
*Rosemary T. Avery (unlocatable)	0.166667%
*David B. Percy (unlocatable)	0.083333%
TOTAL	100.000000%

***Total Interest Being Pooled: 55.116071%**

OWNERSHIP BY TRACT

SW/4NW/4 of Section 4

Owner	% of Leasehold Interest
Mewbourne Oil Company, et al.	20.000000%
Christine Brock	25.000000%
Irene G. Brock	12.500000%
Delbert Ray Utter	10.000000%
Evelyn B. Harris	10.000000%
Rebecca Jane Kelly Babbit	10.000000%
Arnold Frank Brock	4.166667%
Chase Oil Corporation	4.166666%
Majorie Nell Clark	4.166667%
TOTAL	80.000000%

SE/4NW/4 of Section 4

Owner	% of Leasehold Interest
XTO Holdings, LLC	100.000000%
TOTAL	100.000000%

S/2NE/4 of Section 4

Owner	% of Leasehold Interest
Mewbourne Oil Company, et al.	100.000000%
TOTAL	100.000000%

SW/4NW/4 of Section 3

Owner	% of Leasehold Interest
Mewbourne Oil Company, et al.	100.000000%
TOTAL	100.000000%

SE/4NW/4 of Section 3

Owner	% of Leasehold Interest
Chase Oil Corporation	85.000000%
DiaKan Minerals LLC	5.000000%
Robert C. Chase	5.000000%
Ventana Minerals LLC	5.000000%
TOTAL	100.000000%

S/2NE/4 of Section 3

Owner	% of Leasehold Interest
Mewbourne Oil Company, et al.	19.535716%
MRC Delaware Resources LLC	47.194318%
Yates Energy Corporation	16.285704%
MRC Explorers Resources LLC	6.276715%
Colkelan Corp.	5.135284%
MRC Spiral Resources LLC	4.572263%
David B. Percy	0.333333%
Rosemary T. Avery	0.666667%
TOTAL	100.000000%

Case No. 21391

MEWBOURNE OIL
Exhibit A-5

MEWBOURNE OIL COMPANY

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

TELEPHONE (432) 682-3715

December 17, 2019

Via Certified Mail

MRC Delaware Resources LLC
MRC Explorers Resources LLC
MRC Spiral Resources LLC
Attn: Nick Weeks
One Lincoln Center
5400 LBJ Freeway, Suite 1500
Dallas, Texas 75240

Re: Eastwatch 4/3 B2DA Fed Com #1H
2140' FNL & 300' FWL (Section 4)
660' FNL & 100' FEL (Section 3)

Eastwatch 4/3 B2EH Fed Com #1H
2170' FNL & 300' FWL (Section 4)
1980' FNL & 100' FEL (Section 3)

Sections 3 & 4, T18S, R32E
Lea County, New Mexico

Ladies and Gentlemen,

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 643.80 acre Working Interest Unit ("WIU") covering the N/2 of the captioned Section 3 and the N/2 of the captioned Section 4 for oil and gas production. The targeted interval for the proposed unit is the Bone Spring formation.

Mewbourne as Operator hereby proposes to drill the captioned Eastwatch 4/3 B2DA Fed Com #1H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 8,350 feet subsurface to evaluate the Second Bone Spring Sand Formation. The proposed well will have a measured depth (MD) of approximately 17,330 feet. The N/2N/2 of the captioned Section 3 and the N/2N/2 of the captioned Section 4 will be dedicated to the well as the proration unit.

Mewbourne as Operator hereby proposes to drill the captioned Eastwatch 4/3 B2EH Fed Com #1H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 8,530 feet subsurface to evaluate the Second Bone Spring Sand Formation. The proposed well will have a measured depth (MD) of approximately 17,480 feet. The S/2N/2 of the captioned Section 3 and the S/2N/2 of the captioned Section 4 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling are our AFEs dated November 8, 2019 for the captioned proposed wells. Please sign and return said AFEs at your earliest convenience if you elect to participate in the captioned well and WIU and return to me within thirty (30) days.

A copy of our Joint Operating Agreement ("JOA") will follow under separate cover letter for your further handling and review in the near future.

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

Sincerely,

MEWBOURNE OIL COMPANY



Mitch Robb
Landman

Case No. 21391

MEWBOURNE OIL
Exhibit A-6

Summary of Communications
Eastwatch 4/3 B2EH Fed Com #1H
S/2N/2 of Sections 3&4-T18S-R32E, Lea County, NM

MRC Delaware Resources LLC

MRC Spiral Resources LLC

MRC Explorers Resources LLC:

12/17/2019: Mailed Working Interest Unit and Well Proposal to the above listed party.
05/07/2020: Mailed Joint Operating Agreement to the above listed party.
06/24/2020: Sent replacement page of Joint Operating Agreement to the above listed party.
08/03/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
08/10/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
09/04/2020: Called and left voicemail regarding Working Interest Unit and Well Proposal.
09/15/2020: Called and left voicemail regarding Working Interest Unit and Well Proposal.
10/05/2020: Called and left voicemail regarding Working Interest Unit and Well Proposal.
10/08/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
10/20/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.

XTO Holdings, LLC:

12/17/2019: Mailed Working Interest Unit and Well Proposal to the above listed party.
05/07/2020: Mailed Joint Operating Agreement to the above listed party.
06/10/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
06/24/2020: Sent replacement page of Joint Operating Agreement to the above listed party.
06/12/2020 - Present: Multiple phone calls/emails with above listed party regarding Working Interest Unit, Well Proposal & JOA.

Yates Energy Corporation:

11/26/2019: Correspondence with above listed party regarding acquiring their interest.
12/05/2019: Correspondence with above listed party regarding acquiring their interest.
12/17/2019: Mailed Working Interest Unit and Well Proposal to the above listed party.
01/7-10/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
03/13-25/2020: Correspondence with above listed party regarding acquiring their interest.
4/24/2020: Correspondence with above listed party regarding acquiring their interest.
5/01-06/02/2020: Correspondence with above listed party regarding acquiring their interest and regarding Working Interest Unit and Well Proposal.
05/07/2020: Mailed Joint Operating Agreement to the above listed party.
06/24/2020: Sent replacement page of Joint Operating Agreement to the above listed party.
10/9-28/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.

Chase Oil Corporation

DiaKan Minerals LLC

Ventana Minerals LLC

Robert C. Chase:

12/17/2019: Mailed Working Interest Unit and Well Proposal to the above listed party.
05/07/2020: Mailed Joint Operating Agreement to the above listed party.
12/17/2020 - Present: Multiple phone calls/emails with above listed party regarding Working Interest Unit, Well Proposal & JOA.
10/27/2020: Above listed party agreed to assign their interest to Mewbourne.

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MEWBOURNE OIL
Exhibit A-7

Colkelan Corp.:

12/17/2019: Mailed Working Interest Unit and Well Proposal to the above listed party.

05/07/2020: Mailed Joint Operating Agreement to the above listed party.

10/07/2020: Called and left voicemail regarding Working Interest Unit and Well Proposal.

10/27/2020: Called and left voicemail regarding Working Interest Unit and Well Proposal.

Christine Brock

Irene G. Brock

Rebecca Jane Kelly Babbitt

Delbert Ray Utter

Evelyn B. Harris

Arnold Frank Brock

Majorie Nell Clark

Rosemary T. Avery

David B. Pearcy:

12/17/2019: Mailed Working Interest Unit and Well Proposal to the above listed parties.

Ongoing: Multiple phone calls to various numbers trying to reach the above listed parties. Unable to get ahold of the above listed parties.

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

Applicant seeks an order pooling all uncommitted mineral interests in the Bone Spring formation in a 320-acre, more or less, standard horizontal spacing unit comprised of the S/2 N/2 of Sections 3 and 4, Township 18 South, Range 32 East in Lea County, New Mexico. The horizontal spacing unit will be dedicated to the Eastwatch 4/3 B2EH Fed Com #1H well, which will be horizontally drilled from a surface location in Unit E in Section 4 to a bottom hole location in Unit H in Section 3. The completed interval for the well will be orthodox. Also to be considered will be the costs of drilling and completing the well and the allocation of the costs, the designation of Mewbourne Oil Company as the operator of the well, and a 200% charge for the risk involved in drilling and completing the well. The well is located approximately 5.5 miles southwest of Maljamar, New Mexico.

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MEWBOURNE OIL

Exhibit A-8



HINKLE SHANOR LLP

ATTORNEYS AT LAW

PO BOX 2068

SANTA FE, NEW MEXICO 87504

505-982-4554 (FAX) 505-982-8623

WRITER:

Dana S. Hardy, Partner
dhardy@hinklelawfirm.com

August 18, 2020

VIA CERTIFIED MAIL

Majorie Nell Clark
4405 Douglas McArthur, Apt. C
Albuquerque, NM 87110

Re: Mewbourne Oil Company NMOCD Application

Dear Ms. Clark:

Enclosed is a copy of an application for compulsory pooling that Mewbourne Oil Company ("Mewbourne") has filed with the New Mexico Oil Conservation Division ("the Division"). The application (Case No. 21391) seeks an order pooling all uncommitted mineral interests in the Bone Spring formation in a 320-acre, more or less, standard horizontal spacing unit comprised of the S/2 N/2 of Sections 3 and 4, Township 18 South, Range 32 East in Lea County, New Mexico. The horizontal spacing unit will be dedicated to the Eastwatch 4/3 B2EH Fed Com #1H well, which will be horizontally drilled from a surface location in Unit E in Section 4 to a bottom hole location in Unit H in Section 3.

During the COVID-19 Public Health Emergency, state buildings are closed to the public and hearings will be conducted remotely. The hearing will be conducted on September 10, 2020 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the docket for the hearing date: <http://www.emnrd.state.nm.us/OCD/hearings.html>. You are not required to attend the hearing, but as an owner of an interest that may be affected by Mewbourne's application, you may appear at the hearing and present testimony. If you do not appear at that time and become a party of record, you will be precluded from contesting the matter at a later date.

A party appearing in a Division case is required by the Division's Rules to file a Pre-Hearing Statement, which in this matter must be filed no later than Thursday, September 3, 2020. The Pre-Hearing Statement must be filed with the Division and should include: the name of the party and the party's 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 amount of time the party will need to present the party's case; and an identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to me.

Thank you for your attention to this matter.

Very truly yours,

Dana S. Hardy

Case No. 21391

MEWBOURNE OIL
Exhibit A-9

Enclosure

PO BOX 10
ROSWELL, NEW MEXICO 88202
575-622-6510
(FAX) 575-623-9332

PO BOX 1720
ARTESIA, NEW MEXICO 88211
575-622-6510
(FAX) 575-746-6316

PO BOX 2068
SANTA FE, NEW MEXICO 87504
505-982-4554
(FAX) 505-982-8623

7601 JEFFERSON ST NE - SUITE 180
ALBUQUERQUE, NEW MEXICO 87109
505-858-8320
(FAX) 505-858-8321

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:

Majorie Nell Clark
4405 Douglas McArthur, Apt. C
Albuquerque, NM 87110



9590 9402 5554 9249 4984 00

2. Article Number (Transfer from service label)

7020 0640 0000 0302 9317

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

SO CLK

C. Date of Delivery

8/26/20

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

3. Service Type

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

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

MRC Delaware Resources LLC
One Lincoln Center
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240
Attn: Nick Weeks



9590 9402 5554 9249 4984 17

2. Article Number (Transfer from service label)

7020 0640 0000 0302 9348

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

H002C19

C. Date of Delivery

08/21/20

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

3. Service Type

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

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

MRC Explorers Resources LLC
One Lincoln Center
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240
Attn: Nick Weeks



9590 9402 5554 9249 4984 24

2. Article Number (Transfer from service label)

7020 0640 0000 0302 9324

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

H002C19

C. Date of Delivery


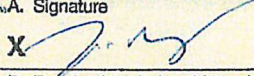
08/21/20

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



3. Service Type

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


Domestic Return Receipt

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<p>■ Complete items 1, 2, and 3.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> <p>1. Article Addressed to:</p> <p>MRC Spiral Resources LLC One Lincoln Center 5400 LBJ Freeway, Suite 1500 Dallas, TX 75240 Attn: Nick Weeks</p>  <p>9590 9402 5554 9249 4984 31</p> <p>2. Article Number (Transfer from service label) 7020 0640 0000 0302 9331</p>	<p>A. Signature X </p> <p><input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) 4002C19</p> <p>C. Date of Delivery 08/21/20</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Restricted Delivery </p>

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


SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<p>■ Complete items 1, 2, and 3.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> <p>1. Article Addressed to:</p> <p>Nade and Gussman Capitan, LLC 15 East 5th Street, Suite 3300 Tulsa, OK 74103-4340</p>  <p>9590 9402 5554 9249 4984 48</p> <p>2. Article Number (Transfer from service label) 7020 0640 0000 0302 9355</p>	<p>A. Signature X </p> <p><input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) 319</p> <p>C. Date of Delivery 8-22-20</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Restricted Delivery </p>

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

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<p>■ Complete items 1, 2, and 3.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> <p>1. Article Addressed to:</p> <p>Rebecca Jane Kelly Babbit 2106 Hazard Street Houston, TX 77019</p>  <p>9590 9402 5554 9249 4984 55</p> <p>2. Article Number (Transfer from service label) 7020 0640 0000 0302 9362</p>	<p>A. Signature X</p> <p><input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name)</p> <p>C. Date of Delivery</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Restricted Delivery </p>

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

7019 2970 0000 7642 8532

U.S. Postal Service TM CERTIFIED MAIL [®] RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com .	
OFFICIAL USE	
Certified Mail Fee \$	
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy) \$	
<input type="checkbox"/> Return Receipt (electronic) \$	
<input type="checkbox"/> Certified Mail Restricted Delivery \$	
<input type="checkbox"/> Adult Signature Required \$	
<input type="checkbox"/> Adult Signature Restricted Delivery \$	
Postage \$	
Total Postage and Fees \$	
Sent To Arnold Frank Brock 2011 Le Avenue Albuquerque, NM 87105	
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> 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. 	<p>A. Signature x <u>Kathy Beauregard</u> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <u>Kathy Beauregard</u></p> <p>C. Date of Delivery</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to: Chase Oil Corporation P.O. Box 1767 Artesia, NM 88211</p>	<p>3. Service Type</p> <p><input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express[®]</p> <p><input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered MailTM</p> <p><input checked="" type="checkbox"/> Certified Mail[®] <input type="checkbox"/> Registered Mail Restricted Delivery</p> <p><input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature ConfirmationTM</p> <p><input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery</p> <p><input type="checkbox"/> Insured Mail</p>
<p>2. Article Number (Transfer from service label) 7020 0640 0000 0302 9232</p>	<p>Restricted Delivery</p>
PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt	

7020 0640 0000 0302 9249

U.S. Postal Service TM CERTIFIED MAIL [®] RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com .	
OFFICIAL USE	
Certified Mail Fee \$	
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy) \$	
<input type="checkbox"/> Return Receipt (electronic) \$	
<input type="checkbox"/> Certified Mail Restricted Delivery \$	
<input type="checkbox"/> Adult Signature Required \$	
<input type="checkbox"/> Adult Signature Restricted Delivery \$	
Postage \$	
Total Postage and Fees \$	
Sent To Christine Brock PO Box 51 Montague, TX 76251	
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

7020 0640 0000 0302 9256

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®.	
OFFICIAL USE	
Certified Mail Fee	
\$	
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	
\$	
Total Postage and Fees	
\$	
Sent To	
Street and Apt. No., or PO Box No.	Colkelan Corporation PO Box 25663
City, State, ZIP+4®	Albuquerque, NM 87125
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

7020 0640 0000 0302 9263

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®.	
OFFICIAL USE	
Certified Mail Fee	
\$	
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	
\$	
Total Postage and Fees	
\$	
Sent To	
Street and Apt. No., or PO Box No.	David B. Percy 601 Moore
City, State, ZIP+4®	Roswell, NM 88201
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

7020 0640 0000 0302 9270

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®.	
OFFICIAL USE	
Certified Mail Fee	
\$	
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	
\$	
Total Postage and Fees	
\$	
Sent To	
Street and Apt. No., or PO Box No.	Delbert Ray Utter 206 Beech Street
City, State, ZIP+4®	Bernice, OK 74331
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY														
<ul style="list-style-type: none"> 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. 	<p>A. Signature x Kathy Beauregard <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) Kathy Beauregard C. Date of Delivery</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>														
<p>1. Article Addressed to:</p> <p>Diakan Minerals LLC P.O. Box 1767 Artesia, NM 88211</p>	<p>3. Service Type</p> <table border="0"> <tr> <td><input type="checkbox"/> Adult Signature</td> <td><input type="checkbox"/> Priority Mail Express®</td> </tr> <tr> <td><input type="checkbox"/> Adult Signature Restricted Delivery</td> <td><input type="checkbox"/> Registered Mail™</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail®</td> <td><input type="checkbox"/> Registered Mail Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail Restricted Delivery</td> <td><input type="checkbox"/> Return Receipt for Merchandise</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery</td> <td><input type="checkbox"/> Signature Confirmation™</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td> <td><input type="checkbox"/> Signature Confirmation Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Insured Mail</td> <td></td> </tr> </table>	<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery	<input type="checkbox"/> Insured Mail	
<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®														
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™														
<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery														
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise														
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™														
<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery														
<input type="checkbox"/> Insured Mail															
<p>2. Article Number (Transfer from service label)</p> <p>7020 0640 0000 0302 9140</p>															

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

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY														
<ul style="list-style-type: none"> Complete items 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. 	<p>A. Signature x COV 19 <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) C. Date of Delivery</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>														
<p>1. Article Addressed to:</p> <p>Evelyn B. Harris 11206 Northgate Circle Dallas, TX 75230</p>	<p>3. Service Type</p> <table border="0"> <tr> <td><input type="checkbox"/> Adult Signature</td> <td><input type="checkbox"/> Priority Mail Express®</td> </tr> <tr> <td><input type="checkbox"/> Adult Signature Restricted Delivery</td> <td><input type="checkbox"/> Registered Mail™</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail®</td> <td><input type="checkbox"/> Registered Mail Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail Restricted Delivery</td> <td><input type="checkbox"/> Return Receipt for Merchandise</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery</td> <td><input type="checkbox"/> Signature Confirmation™</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td> <td><input type="checkbox"/> Signature Confirmation Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Insured Mail</td> <td></td> </tr> </table>	<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery	<input type="checkbox"/> Insured Mail	
<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®														
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™														
<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery														
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise														
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™														
<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery														
<input type="checkbox"/> Insured Mail															
<p>2. Article Number (Transfer from service label)</p> <p>7020 0640 0000 0302 9287</p>															

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

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	\$
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$
Total Postage and Fees	\$
Sent To	Irene G. Brock
Street and Apt. No., or PO Box No.	1149 East Liveoak
City, State, ZIP+4®	Altus, OK 73521

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

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<p>■ Complete items 1, 2, and 3.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p>		<p>A. Signature <i>Kathy Beauregard</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Kathy Beauregard</i> <input type="checkbox"/> Date of Delivery</p>	
<p>1. Article Addressed to:</p> <p>Robert C. Chase P.O. Box 1767 Artesia, NM 88211</p>		<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>	
<p>2. Article Number (Transfer from service label)</p> <p>7020 0640 0000 0302 9065</p>		<p>3. Service Type</p> <p><input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express®</p> <p><input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™</p> <p><input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery</p> <p><input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation™</p> <p><input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery</p> <p><input type="checkbox"/> Insured Mail</p>	
<p>9590 9402 5941 0062 9880 19</p>		<p>Domestic Return Receipt</p>	

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

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com.

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

Street and Apt. No., or PO Box No. Rosemary T. Avery
2305 Palomar Drive

City, State, ZIP+4® Roswell, NM 88201

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

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<p>■ Complete items 1, 2, and 3.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p>		<p>A. Signature <i>Kathy Beauregard</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Kathy Beauregard</i> <input type="checkbox"/> Date of Delivery</p>	
<p>1. Article Addressed to:</p> <p>Ventana Minerals LLC P.O. Box 1767 Artesia, NM 88211</p>		<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>	
<p>2. Article Number (Transfer from service label)</p> <p>7020 0640 0000 0302 9096</p>		<p>3. Service Type</p> <p><input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express®</p> <p><input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™</p> <p><input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery</p> <p><input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation™</p> <p><input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery</p> <p><input type="checkbox"/> Insured Mail</p>	
<p>9590 9402 5941 0062 9880 33</p>		<p>Domestic Return Receipt</p>	

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:
XTO Holdings LLC
810 Houston Street
Fort Worth, TX 76102
Attn: Brett Woody



9590 9402 5941 0062 9880 40

2 Article Number (Transfer from service label)

7020 0640 0000 0302 9089

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☒ Agent ☐ Addressee
B. Received by (Printed Name) Tary C. Date of Delivery AUG 24 2020
D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

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

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:
Yates Energy Corporation
P.O. Box 2323
Roswell, NM 88202



9590 9402 5554 9249 4984 79

2 Article Number (Transfer from service label)

7020 0640 0000 0302 9386

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☒ Agent ☐ Addressee
B. Received by (Printed Name) Cynthia Cardenas C. Date of Delivery 8-21-20
D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

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

Domestic Return Receipt

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

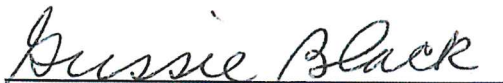
I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
August 23, 2020
and ending with the issue dated
August 23, 2020.



Publisher

Sworn and subscribed to before me this
23rd day of August 2020.



Business Manager

My commission expires

January 29, 2023

(Seal)



This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

LEGAL	LEGAL
LEGAL NOTICE August 23, 2020	
<p>This is to notify all interested parties, including MRC Delaware Resources LLC, MRC Explorers Resources LLC, MRC Spiral Resources LLC, Yates Energy Corporation, XTO Holdings LLC, Nadel and Gussman Capitan, LLC, Chase Oil Corporation, Ventana Minerals LLC, Diakan Minerals LLC, Robert C. Chase, Christine Brock, Irene G. Brock, Evelyn B. Harris, Colkelan Corp., Rebecca Jane Kelly Babbitt, Delbert Ray Utter, Arnold Frank Brock, Majorie Nell Clark, Rosemary T. Avery, David B. Percy, and their successors and assigns, that the New Mexico Oil Conservation Division will conduct a hearing on an application submitted by Mewbourne Oil Company (Case No. 21391). During the COVID-19 Public Health Emergency, state buildings are closed to the public and hearings will be conducted remotely. The hearing will be conducted on September 10, 2020 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the docket for the hearing http://www.emnrd.state.nm.us/OCD/hearings.html. Applicant seeks order pooling all uncommitted mineral interests in the Bone Spring formation in a 320-acre, more or less, standard horizontal spacing unit comprised of the S/2 N/2 of Sections 3 and 4, Township 18 South, Range 32 East in Lea County, New Mexico. The horizontal spacing unit will be dedicated to the Eastwatch 4/3 B2EH Fed Com #1H well, which will be horizontally drilled from a surface location in Unit E in Section 4 to a bottom hole location in Unit H in Section 3. The completed interval for the well will be orthodox. Also to be considered will be the costs of drilling and completing the well and the allocation of the costs, the designation of Mewbourne Oil Company as the operator of the well, and a 200% charge for the risk involved in drilling and completing the well. The well is located approximately 5.5 miles southwest of Maljamar, New Mexico.</p> <p>#35753</p>	

02107475

00245634

HINKLE, HENSLEY, SHANOR & MARTIN, LLP
PO BOX 2068
SANTA FE, NM 87504

Case No. 21391

MEWBOURNE OIL
Exhibit A-10

MEWBOURNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

Well Name: EASTWATCH 4/3 B2EH FED COM #1H		Prospect: 2ND BSS	
Location: SHL: 2170 FNL & 300 FWL (4); BHL: 1980 FNL & 100 FEL (3)		County: Lea ST: NM	
Sec. 4	Blk:	Survey:	TWP: 18S RNG: 32E Prop. TVD: 8530 TMD: 17480

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$10,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$100,000	0180-0205	\$25,000
Location / Restoration		0180-0106	\$200,000	0180-0206	\$30,000
Daywork / Turnkey / Footage Drilling 28 days drlg / 3 days comp @ \$21500/d		0180-0110	\$643,000	0180-0210	\$68,900
Fuel 1700 gal/day @ 2.74/gal		0180-0114	\$159,300	0180-0214	\$383,000
Mud, Chemical & Additives		0180-0120	\$200,000	0180-0220	
Horizontal Drillout Services				0180-0222	\$250,000
Cementing		0180-0125	\$100,000	0180-0225	\$30,000
Logging & Wireline Services		0180-0130	\$2,500	0180-0230	\$370,000
Casing / Tubing / Snubbing Service		0180-0134	\$20,000	0180-0234	\$90,000
Mud Logging		0180-0137	\$30,000		
Stimulation 50 Stg 20 MM gal / 20 MM lb				0180-0241	\$1,715,000
Stimulation Rentals & Other				0180-0242	\$200,000
Water & Other		0180-0145	\$60,000	0180-0245	\$550,000
Bits		0180-0148	\$138,800	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 Rlg				0180-0260	\$10,500
Rig Mobilization		0180-0164	\$150,000		
Transportation		0180-0165	\$30,000	0180-0265	\$20,000
Welding Services		0180-0168	\$5,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170	\$45,000	0180-0270	\$70,500
Directional Services Includes Vertical Control		0180-0175	\$325,000		
Equipment Rental		0180-0180	\$229,100	0180-0280	\$30,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$800	0180-0285	
Intangible Supplies		0180-0188	\$8,000	0180-0288	\$10,000
Damages		0180-0190	\$10,000	0180-0290	\$10,000
ROW & Easements		0180-0192		0180-0292	\$5,000
Pipeline Interconnect				0180-0293	\$50,000
Company Supervision		0180-0195	\$144,000	0180-0295	\$100,800
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment		0180-0198		0180-0298	
Contingencies 2% (TCP) 2% (CC)		0180-0199	\$53,600	0180-0299	\$82,100
TOTAL			\$2,734,100		\$4,188,800

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0") 1050' - 13 3/8" 54.5# J-55 ST&C @ \$38.48/ft		0181-0794	\$43,200		
Casing (8.1" - 10.0") 2600' - 9 5/8" 36# HCL80 LT&C @ \$24.67/ft		0181-0795	\$68,600		
Casing (6.1" - 8.0") 8810' - 7" 29# HCP-110 LT&C @ \$23.84/ft		0181-0796	\$224,400		
Casing (4.1" - 6.0") 10300' - 4 1/2" 13.5# P-110 BPN @ \$12.16/ft				0181-0797	\$133,800
Tubing 7950' - 2 7/8" 6.5# L-80 EUE 8rd @ \$5.38/ft				0181-0798	\$45,700
Drilling Head		0181-0860	\$40,000		
Tubing Head & Upper Section				0181-0870	\$50,000
Horizontal Completion Tools Completion Liner Hanger				0181-0871	\$70,000
Sucker Rods				0181-0875	
Subsurface Equipment				0181-0880	\$10,000
Artificial Lift Systems Gas Lift Valves & Packer				0181-0884	\$15,000
Pumping Unit				0181-0885	
Surface Pumps & Prime Movers VRU/SWD Pump/Circ Pump				0181-0886	\$30,000
Tanks - Oil 3 - 750 bbl				0181-0890	\$75,000
Tanks - Water (1/2) 5 - 750 bbl coated				0181-0891	\$57,000
Separation / Treating Equipment 1/2 GB/30"x10"x1k# 3 ph/36"x15"x1k# Hor 3ph/1/2VRT/FIare				0181-0895	\$95,000
Heater Treaters, Line Heaters 8"x20"x75# HT				0181-0897	\$27,000
Metering Equipment				0181-0898	\$15,000
Line Pipe & Valves - Gathering				0181-0900	\$50,000
Fittings / Valves & Accessories				0181-0906	\$100,000
Cathodic Protection				0181-0908	\$125,000
Electrical Installation				0181-0909	\$50,000
Equipment Installation				0181-0910	\$70,000
Pipeline Construction				0181-0920	\$100,000
TOTAL			\$376,200		\$1,118,600
SUBTOTAL			\$3,110,300		\$5,307,300
TOTAL WELL COST					\$8,417,600

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 0180-0165.

☐ 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: 11/8/2019

Company Approval: *M. White* Date: 11/8/2019

Joint Owner Interest: Amount:

Joint Owner Name: Signature:

Case No. 21391

MEWBOURNE OIL
Exhibit A-11

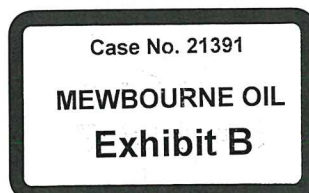
**STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION**

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

Case No. 21391

**SELF-AFFIRMED STATEMENT OF
CHARLES CROSBY**

1. I am over 18 years of age and am competent to provide this Self-Affirmed Statement. I have personal knowledge of the matters addressed herein.
2. I am a geologist at Mewbourne Oil Company ("Mewbourne"). I am familiar with the geological matters that pertain to Mewbourne's application.
3. I have previously testified before the New Mexico Oil Conservation Division as an expert in geology, and my qualifications were accepted.
4. A general location map of the proposed horizontal spacing unit ("HSU") is attached as Exhibit B-1.
5. A structure map of the Base of the Middle 2nd Bone Spring Sand formation is attached as Exhibit B-2. The map shows that the structure dips to the south. It also shows a line of cross section and the HSU for the proposed Eastwatch 4/3 B2EH Fed Com #1H well.
6. Attached as Exhibit B-3 is a gross sand isopach map of the Middle 2nd Bone Spring Sand formation, which is the target zone for the proposed well. It shows that the sand across the HSU has an approximate thickness of 50-100 feet.



7. Attached as Exhibit B-4 is a west to east cross section. The well logs on the cross section provide a representative sample of the Bone Spring formation in the area. The target zone for the proposed well is continuous across the HSU.

8. Attached as Exhibit B-5 is a table containing production data from other 2nd Bone Spring Sand horizontal wells drilled in the vicinity. The completed wells in the area (recent completions) apparently are commercial.

9. Exhibit B-6 is a Well Planning Report for the proposed well. The report contains survey data for the proposed wellbore. The well's producing interval will be orthodox.

10. There are no depth severances in the Bone Spring formation in the proposed HSU.

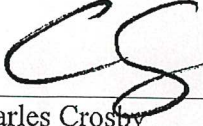
11. Based on the information discussed above, I am able to conclude that:

- a) The HSU is justified from a geologic standpoint;
- b) There is no faulting or other geologic impediment that could adversely affect the drilling of the proposed well; and
- c) Each quarter-quarter section in the HSU will contribute more or less equally to production.

12. In my opinion, the granting of Mewbourne's application will serve the interests of conservation, the protection of correlative rights, and the prevention of waste.

13. Exhibits B-1 through B-6 were either prepared by me or compiled from company records.

14. 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 13 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.

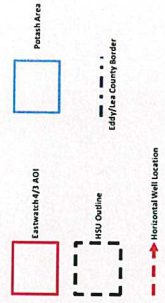

Charles Crosby

9/2/20
Date

Case No. 21391

MEWBOURNE OIL

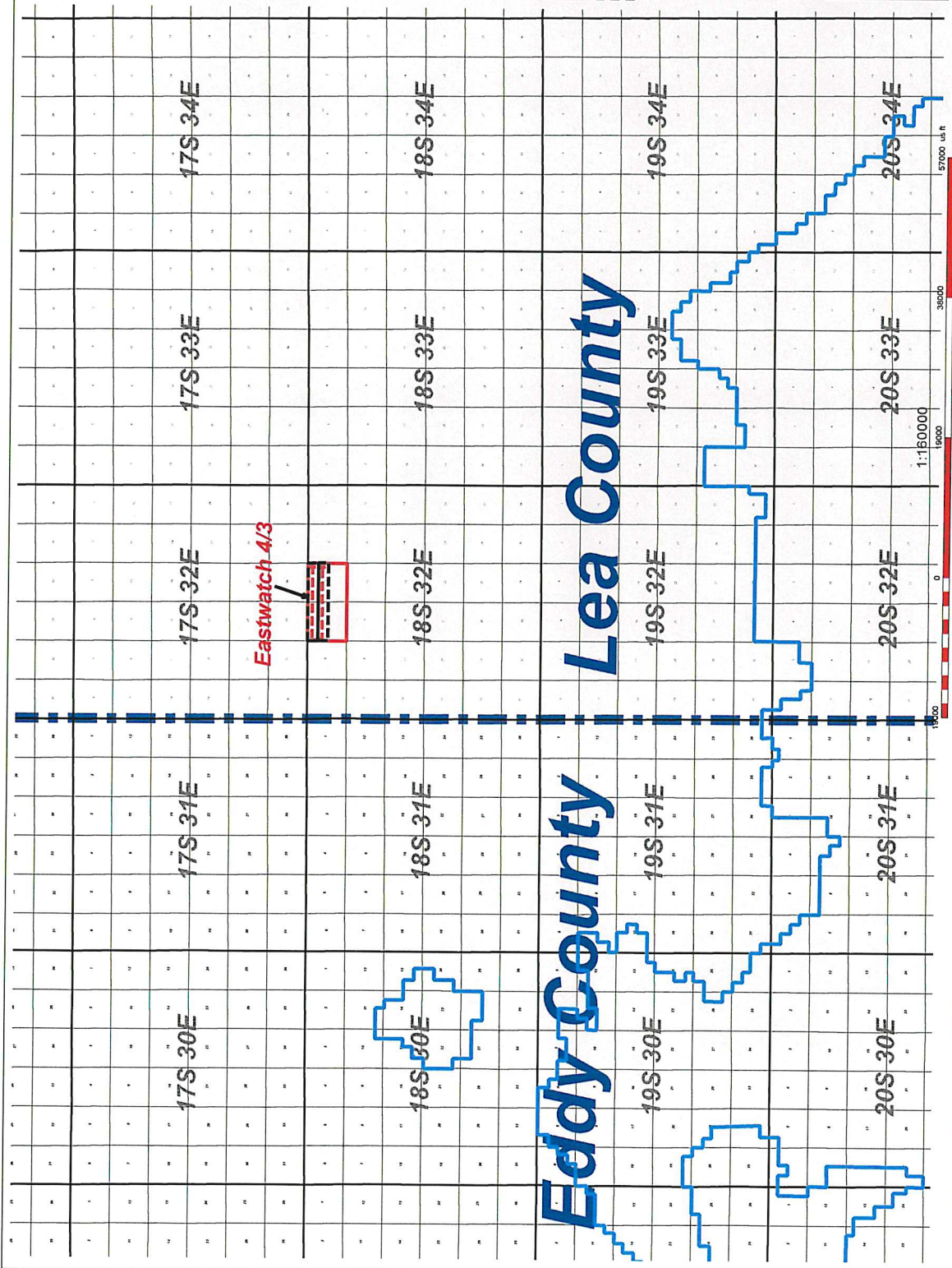
Exhibit B-1

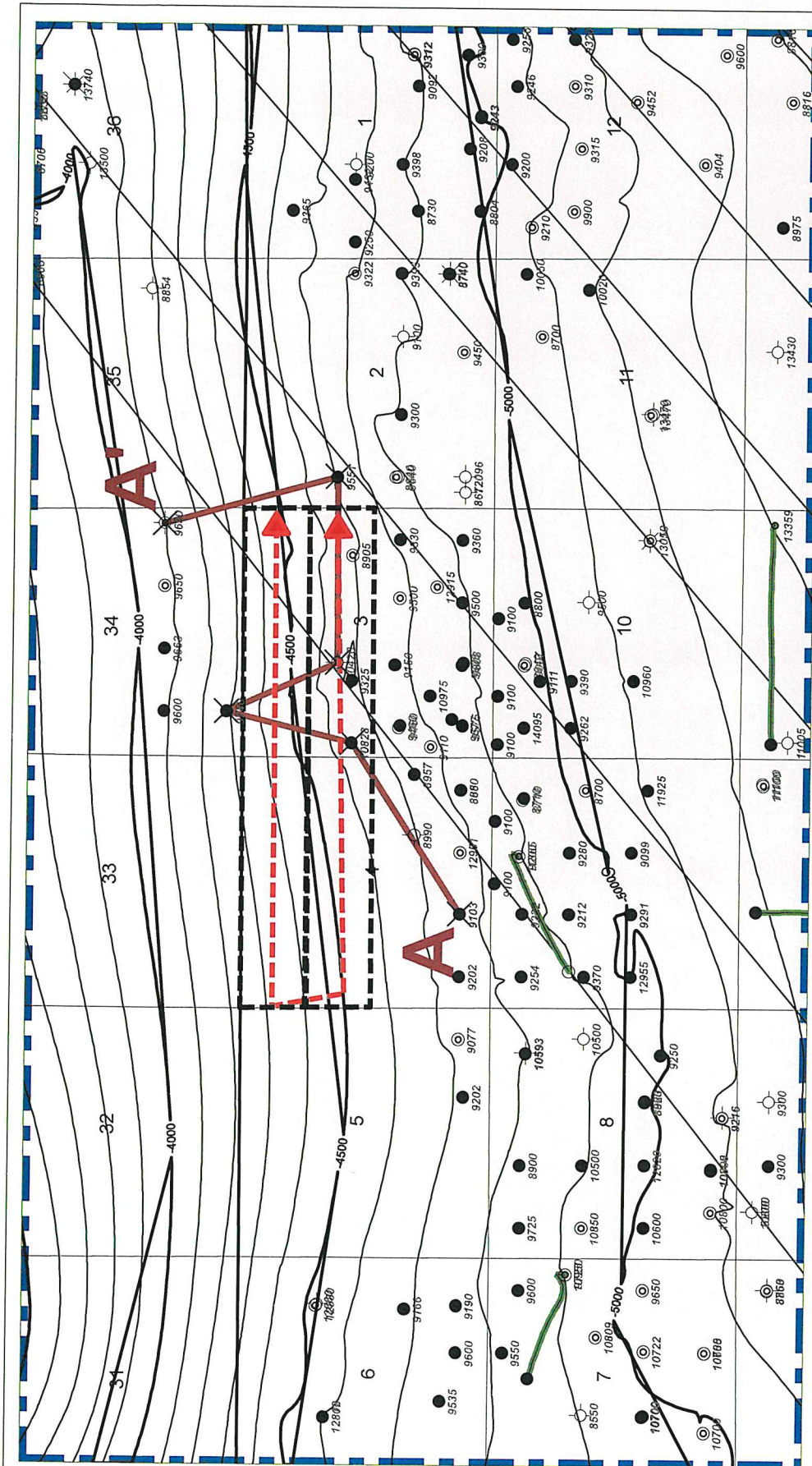


Mewbourne Oil Company

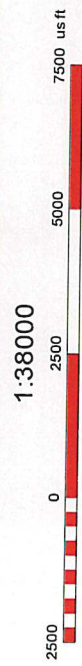
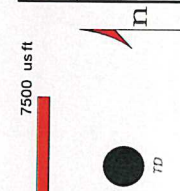
Regional Locator Map
Eastwatch-4/3 AOI

5/2/20	Eddy and Lea County	See Map 4	Sheet C-1000
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Mewbourne Oil Company Eastwatch 4/3 B2DA Fed Com 1H Eastwatch 4/3 B2EH Fed Com 1H Horizontal Activity Map Structure Base 2nd BSPG B Sand (C.I. 100')	
9/22/20	Idaho County
	New Mexico
	Geat. C. Crosby

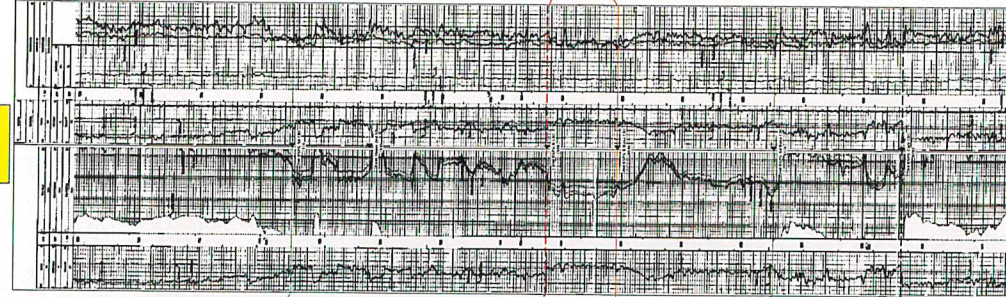


Horizontal Activity Color Code

2nd BSPG Sd

Case No. 21391
MEWBOURNE OIL
Exhibit B-2

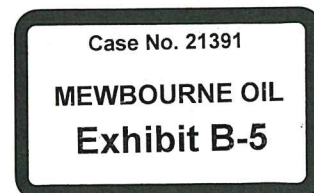
341

3rd
BSPG
Carb

MEWBOURNE OIL
Exhibit B-4

Eastwatch 2nd BSPG SD
XSec Exhibit (A-A')

Eastwatch Area 2nd BSPG SD Horizontal Production Table									
Well Name	Operator	API	Location	Completion Date	Cum Oil (Mbo)	Cum Gas (Bcf)	Cum Water (Mbw)	NS/EW	Production Zone
Young Deep Unit 14H (ABD)	Nadel and Gussman	30025290150100	9B/18S/32E	12/2/2005	12.8	0.06	5.3	EW	Lower 2nd BSPG SD
Bola 7 Federal Com 3H	Matador	30025355350100	7H/18S/32E	9/12/2006	106.9	0.12	18.6	EW	Lower 2nd BSPG SD
West Shinnery 15 Federal 2H	Devon	30025399560000	15A/18S/32E	3/2/2012	78.4	0.14	234.2	EW	Lower 2nd BSPG SD
Young 16 NC State Com 1H	Mewbourne	30025413760000	16N/18S/32E	11/21/2013	59.2	0.06	218.1	NS	Lower 2nd BSPG SD



Mewbourne Oil Company

SURVEY CALCULATION REPORT Minimum Curvature Calculations

Operator: Mewbourne Oil Company
Lease Name: Eastwatch 4/3 B2H1 Fed Com 1H
KOP 7853.54
SL: 2170 FNL & 300 FWL Sec 4/18S/32E
PBHL: 1980 FNL & 100 FEL Sec 3/18S/32E

Target KBTVD: 8,331 Feet 8331.00
Target Angle: 88.85 Degrees 88.85
Section Plane: 88.99 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/1	7853.54	0.00	88.99	N/A	7853.5	0.0	0.0	0.0	0.0	0.0	N/A	N/A	7853.5	477.5	1E-12	1.55 #VALUE!
1	7927.57	8.88	88.99	74.0376	7927.3	5.7	0.1	5.7	5.7	89.0	12.0	12.0	7927.2	403.8	0.155063927	1.55 0.1550639
2	8001.61	17.77	88.99	74.0376	7999.2	22.8	0.4	22.8	22.8	89.0	12.0	12.0	7998.8	332.2	0.310127854	1.55 0.1550639
3	8075.65	26.65	88.99	74.0376	8067.7	50.7	0.9	50.7	50.7	89.0	12.0	12.0	8066.7	264.3	0.46519178	1.55 0.1550639
4	8149.69	35.54	88.99	74.0376	8131.1	88.9	1.6	88.9	88.9	89.0	12.0	12.0	8129.3	201.7	0.620255707	1.55 0.1550639
5	8223.72	44.42	88.99	74.0376	8187.7	136.5	2.4	136.4	136.5	89.0	12.0	12.0	8185.0	146.0	0.775319634	1.55 0.1550639
6	8297.76	53.31	88.99	74.0376	8236.4	192.2	3.4	192.1	192.2	89.0	12.0	12.0	8232.5	98.5	0.930383561	1.55 0.1550639
7	8371.80	62.19	88.99	74.0376	8275.9	254.7	4.5	254.7	254.7	89.0	12.0	12.0	8270.7	60.3	1.085447488	1.55 0.1550639
8	8445.84	71.08	88.99	74.0376	8305.2	322.6	5.7	322.6	322.6	89.0	12.0	12.0	8298.7	32.3	1.240511414	1.55 0.1550639
9	8519.87	79.96	88.99	74.0376	8323.7	394.2	7.0	394.2	394.2	89.0	12.0	12.0	8315.7	15.3	1.395575534	1.55 0.1550639
10	8593.91	88.85	88.99	74.0376	8330.9	467.8	8.3	467.8	467.8	89.0	12.0	12.0	8321.5	9.5	1.550639268	1.55 0.1550639
11	8600.00	88.85	88.99	6.08912	8331.0	473.9	8.4	473.9	473.9	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
12	8700.00	88.85	88.99	100	8333.0	573.9	10.1	573.8	573.9	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
13	8800.00	88.85	88.99	100	8335.1	673.9	11.9	673.8	673.9	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
14	8900.00	88.85	88.99	100	8337.1	773.9	13.7	773.7	773.9	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
15	9000.00	88.85	88.99	100	8339.1	873.8	15.4	873.7	873.8	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
16	9100.00	88.85	88.99	100	8341.1	973.8	17.2	973.7	973.8	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
17	9200.00	88.85	88.99	100	8343.1	1073.8	19.0	1073.6	1073.8	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
18	9300.00	88.85	88.99	100	8345.1	1173.8	20.7	1173.6	1173.8	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
19	9400.00	88.85	88.99	100	8347.2	1273.8	22.5	1273.6	1273.8	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
20	9500.00	88.85	88.99	100	8349.2	1373.7	24.3	1373.5	1373.7	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
21	9600.00	88.85	88.99	100	8351.2	1473.7	26.0	1473.5	1473.7	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
22	9700.00	88.85	88.99	100	8353.2	1573.7	27.8	1573.5	1573.7	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
23	9800.00	88.85	88.99	100	8355.2	1673.7	29.6	1673.4	1673.7	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
24	9900.00	88.85	88.99	100	8357.2	1773.7	31.3	1773.4	1773.7	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
25	10000.00	88.85	88.99	100	8359.2	1873.6	33.1	1873.4	1873.6	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
26	10100.00	88.85	88.99	100	8361.3	1973.6	34.9	1973.3	1973.6	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
27	10200.00	88.85	88.99	100	8363.3	2073.6	36.6	2073.3	2073.6	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
28	10300.00	88.85	88.99	100	8365.3	2173.6	38.4	2173.2	2173.6	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
29	10400.00	88.85	88.99	100	8367.3	2273.6	40.2	2273.2	2273.6	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
30	10500.00	88.85	88.99	100	8369.3	2373.5	41.9	2373.2	2373.5	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
31	10600.00	88.85	88.99	100	8371.3	2473.5	43.7	2473.1	2473.5	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
32	10700.00	88.85	88.99	100	8373.4	2573.5	45.5	2573.1	2573.5	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
33	10800.00	88.85	88.99	100	8375.4	2673.5	47.2	2673.1	2673.5	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
34	10900.00	88.85	88.99	100	8377.4	2773.5	49.0	2773.0	2773.5	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
35	11000.00	88.85	88.99	100	8379.4	2873.4	50.8	2873.0	2873.4	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
36	11100.00	88.85	88.99	100	8381.4	2973.4	52.5	2973.0	2973.4	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
37	11200.00	88.85	88.99	100	8383.4	3073.4	54.3	3072.9	3073.4	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
38	11300.00	88.85	88.99	100	8385.4	3173.4	56.1	3172.9	3173.4	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
39	11400.00	88.85	88.99	100	8387.5	3273.4	57.8	3272.8	3273.4	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
40	11500.00	88.85	88.99	100	8389.5	3373.3	59.6	3372.8	3373.3	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
41	11600.00	88.85	88.99	100	8391.5	3473.3	61.4	3472.8	3473.3	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
42	11700.00	88.85	88.99	100	8393.5	3573.3	63.1	3572.7	3573.3	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
43	11800.00	88.85	88.99	100	8395.5	3673.3	64.9	3672.7	3673.3	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
44	11900.00	88.85	88.99	100	8397.5	3773.3	66.7	3772.7	3773.3	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
45	12000.00	88.85	88.99	100	8399.6	3873.2	68.4	3872.6	3873.2	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
46	12100.00	88.85	88.99	100	8401.6	3973.2	70.2	3972.6	3973.2	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
47	12200.00	88.85	88.99	100	8403.6	4073.2	72.0	4072.6	4073.2	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
48	12300.00	88.85	88.99	100	8405.6	4173.2	73.7	4172.5	4173.2	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
49	12400.00	88.85	88.99	100	8407.6	4273.2	75.5	4272.5	4273.2	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
50	12500.00	88.85	88.99	100	8409.6	4373.1	77.3	4372.5	4373.1	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
51	12600.00	88.85	88.99	100	8411.6	4473.1	79.0	4472.4	4473.1	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
52	12700.00	88.85	88.99	100	8413.7	4573.1	80.8	4572.4	4573.1	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
53	12800.00	88.85	88.99	100	8415.7	4673.1	82.6	4672.3	4673.1	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
54	12900.00	88.85	88.99	100	8417.7	4773.1	84.3	4772.3	4773.1	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
55	13000.00	88.85	88.99	100	8419.7	4873.0	86.1	4872.3	4873.0	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10
56	13100.00	88.85	88.99	100	8421.7	4973.0	87.9	4972.2	4973.0	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55 1E-10

Case No. 21391

MEWBOURNE OIL
Exhibit B-6

57	13200.00	88.85	88.99	100	8423.7	5073.0	89.6	5072.2	5073.0	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
58	13300.00	88.85	88.99	100	8425.8	5173.0	91.4	5172.2	5173.0	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
59	13400.00	88.85	88.99	100	8427.8	5273.0	93.2	5272.1	5273.0	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
60	13500.00	88.85	88.99	100	8429.8	5372.9	94.9	5372.1	5372.9	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
61	13600.00	88.85	88.99	100	8431.8	5472.9	96.7	5472.1	5472.9	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
62	13700.00	88.85	88.99	100	8433.8	5572.9	98.5	5572.0	5572.9	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
63	13800.00	88.85	88.99	100	8435.8	5672.9	100.2	5672.0	5672.9	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
64	13900.00	88.85	88.99	100	8437.9	5772.9	102.0	5772.0	5772.9	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
65	14000.00	88.85	88.99	100	8439.9	5872.8	103.8	5871.9	5872.8	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
66	14100.00	88.85	88.99	100	8441.9	5972.8	105.5	5971.9	5972.8	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
67	14200.00	88.85	88.99	100	8443.9	6072.8	107.3	6071.8	6072.8	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
68	14300.00	88.85	88.99	100	8445.9	6172.8	109.1	6171.8	6172.8	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
69	14400.00	88.85	88.99	100	8447.9	6272.8	110.8	6271.8	6272.8	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
70	14500.00	88.85	88.99	100	8449.9	6372.7	112.6	6371.7	6372.7	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
71	14600.00	88.85	88.99	100	8452.0	6472.7	114.4	6471.7	6472.7	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
72	14700.00	88.85	88.99	100	8454.0	6572.7	116.1	6571.7	6572.7	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
73	14800.00	88.85	88.99	100	8456.0	6672.7	117.9	6671.6	6672.7	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
74	14900.00	88.85	88.99	100	8458.0	6772.6	119.7	6771.6	6772.6	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
75	15000.00	88.85	88.99	100	8460.0	6872.6	121.5	6871.6	6872.6	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
76	15100.00	88.85	88.99	100	8462.0	6972.6	123.2	6971.5	6972.6	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
77	15200.00	88.85	88.99	100	8464.1	7072.6	125.0	7071.5	7072.6	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
78	15300.00	88.85	88.99	100	8466.1	7172.6	126.8	7171.4	7172.6	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
79	15400.00	88.85	88.99	100	8468.1	7272.5	128.5	7271.4	7272.5	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
80	15500.00	88.85	88.99	100	8470.1	7372.5	130.3	7371.4	7372.5	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
81	15600.00	88.85	88.99	100	8472.1	7472.5	132.1	7471.3	7472.5	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
82	15700.00	88.85	88.99	100	8474.1	7572.5	133.8	7571.3	7572.5	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
83	15800.00	88.85	88.99	100	8476.1	7672.5	135.6	7671.3	7672.5	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
84	15900.00	88.85	88.99	100	8478.2	7772.4	137.4	7771.2	7772.4	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
85	16000.00	88.85	88.99	100	8480.2	7872.4	139.1	7871.2	7872.4	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
86	16100.00	88.85	88.99	100	8482.2	7972.4	140.9	7971.2	7972.4	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
87	16200.00	88.85	88.99	100	8484.2	8072.4	142.7	8071.1	8072.4	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
88	16300.00	88.85	88.99	100	8486.2	8172.4	144.4	8171.1	8172.4	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
89	16400.00	88.85	88.99	100	8488.2	8272.3	146.2	8271.1	8272.3	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
90	16500.00	88.85	88.99	100	8490.3	8372.3	148.0	8371.0	8372.3	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
91	16600.00	88.85	88.99	100	8492.3	8472.3	149.7	8471.0	8472.3	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
92	16700.00	88.85	88.99	100	8494.3	8572.3	151.5	8570.9	8572.3	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
93	16800.00	88.85	88.99	100	8496.3	8672.3	153.3	8670.9	8672.3	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
94	16900.00	88.85	88.99	100	8498.3	8772.2	155.0	8770.9	8772.2	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
95	17000.00	88.85	88.99	100	8500.3	8872.2	156.8	8870.8	8872.2	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
96	17100.00	88.85	88.99	100	8502.3	8972.2	158.6	8970.8	8972.2	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
97	17200.00	88.85	88.99	100	8504.4	9072.2	160.3	9070.8	9072.2	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
98	17300.00	88.85	88.99	100	8506.4	9172.2	162.1	9170.7	9172.2	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
99	17400.00	88.85	88.99	100	8508.4	9272.1	163.9	9270.7	9272.1	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
100	17500.00	88.85	88.99	100	8510.4	9372.1	165.6	9370.7	9372.1	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
101	17600.00	88.85	88.99	100	8512.4	9472.1	167.4	9470.6	9472.1	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
102	17700.00	88.85	88.99	100	8514.4	9572.1	169.2	9570.6	9572.1	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
103	17800.00	88.85	88.99	100	8516.5	9672.1	170.9	9670.5	9672.1	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
104	17900.00	88.85	88.99	100	8518.5	9772.0	172.7	9770.5	9772.0	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
105	18000.00	88.85	88.99	100	8520.5	9872.0	174.5	9870.5	9872.0	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
106	18100.00	88.85	88.99	100	8522.5	9972.0	176.2	9970.4	9972.0	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10
107	18200.00	88.85	88.99	100	8524.5	10072.0	178.0	10070.4	10072.0	89.0	0.0	0.0	8321.5	9.5	1.550639268	1.55	1E-10