

**CASE NO. 21723**

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

**MEWBOURNE OIL COMPANY'S EXHIBIT LIST**

1. Application and Proposed Ad
2. Landman's Affidavit (Josh Anderson)
3. Geologist's Affidavit (Charles Crosby)
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. 21723

**APPLICATION**

Mewbourne Oil Company applies for an order pooling all mineral interests in the Bone Spring formation underlying a horizontal spacing unit comprised of the S/2N/2 of Section 24 and the S/2N/2 of Section 23, Township 19 South, Range 28 East, N.M.P.M., Eddy County, New Mexico, and in support thereof, states:

1. Applicant is an interest owner in the S/2N/2 of Section 24 and the S/2N/2 of Section 23, and has the right to drill a well thereon.
2. Applicant proposes to drill the Parkchester 24/23 B3HE Fed. Com. Well No. 2H and the Parkchester 24/23 B2HE Fed. Com. Well No. 1H to depths sufficient to test the Bone Spring formation, and to dedicate S/2N/2 of Section 24 and the S/2N/2 of Section 23 thereto. The wells are horizontal wells with first take points in the SE/4NE/4 of 24 and final take points in the SW4NW/4 of Section 23.
3. Applicant has in good faith sought to obtain the voluntary joinder of all other mineral interest owners in the S/2N/2 of Section 24 and the S/2N/2 of Section 23 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 well or to otherwise commit their interests to the well, certain interest owners have failed or refused to join in dedicating their interests. Therefore, applicant seeks an order pooling all mineral interest owners in the Bone Spring

EXHIBIT /

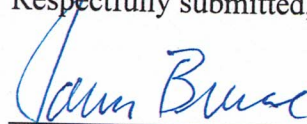
formation underlying the S/2N/2 of Section 24 and the S/2N/2 of Section 23, pursuant to NMSA 1978 §70-2-17.

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

Respectfully submitted,



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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 Bone Spring formation in a horizontal spacing unit comprised of the S/2N/2 of Section 24 and the S/2N/2 of Section 23, Township 19 South, Range 28 East, NMPM. The unit will be dedicated to the Parkchester 24/23 B3HE Fed. Com. Well No. 2H and the Parkchester 24/23 B2HE Fed. Com. Well No1H, horizontal wells with first take points in the SE/4NE/4 of Section 24 and final take points in the SW/4NW/4 of Section 23. Also to be considered will be the cost of drilling and completing 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 and completing the wells. The unit is located approximately 7-1/2 miles east-northeast of Lakewood, 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 Nos. 21723**

**SELF-AFFIRMED STATEMENT OF JOSH ANDERSON**

Mitch Robb, being duly sworn upon his oath, deposes and states:

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

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

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

(b) No opposition is expected because the interest owners being pooled have been contacted regarding the proposed wells, but have 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 all mineral interests in the Bone Spring formation underlying a horizontal spacing unit comprised of the S2N/2 of Section 24 and the S/2N/2 of Section 23, Township 19 South, Range 28 East, NMPM. The unit will be dedicated to the Parkchester 24/23 B2HE Fed. Com. Well No. 1H and the Parkchester 24/23 B3HE Fed. Com. Well No. 2H.

C-102s for the wells are submitted as Attachment B.

(d) The parties being pooled, and their interests, are set forth in Attachment C.

(e) There is no depth severance in the Bone Spring formation.


EXHIBIT

2

- (f) Attachment D is a summary of communications and sample copies of the proposal letters sent to the interest owners. 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 well, or to locate the owners.
- (h) Mewbourne has the right to pool the overriding royalty owners in the well unit.
- (i) Attachment E contains the Authorizations for Expenditure for the proposed wells. The estimated costs of the wells set forth therein are fair and reasonable, and comparable to the costs of other wells of similar depth and length drilled in this area of Eddy County.
- (j) Mewbourne requests overhead and administrative rates of \$8000/month for a drilling well and \$800/month for a producing well. These rates are fair, and comparable to the rates charged by other operators for wells of this type in this portion of Eddy County. They are also the rates set forth in the Joint Operating Agreement for the well unit. Mewbourne requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.
- (k) Mewbourne requests that the maximum cost plus 200% risk charge be assessed against non-consenting working interest owners.
- (l) Mewbourne requests that it be designated operator of the wells.
- (m) The attachments to this affidavit were prepared by me, or compiled from company business records.
- (n) The granting of this application is in the interests of conservation and the prevention of waste.

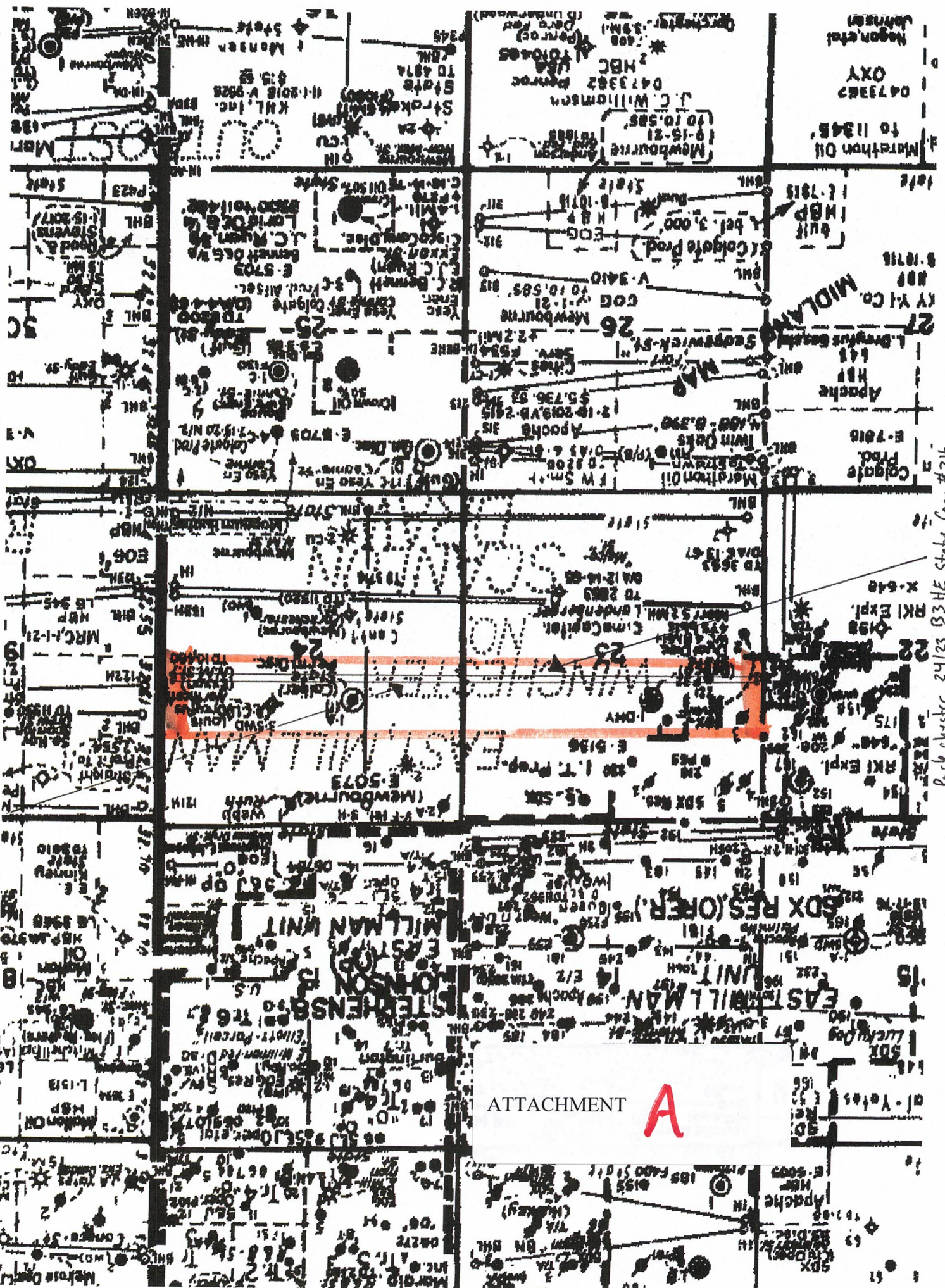
3. I understand that this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 2(n) above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten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

Date: 3/2/21

  
Josh Anderson

Parkchester 24/23 B2HE State Com #114

Parkchester 24/23 B3HE State Com #24



ATTACHMENT

A

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-101  
 August 1, 2011  
 Permit 277542

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

1. Operator Name and Address MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241		2. OGRID Number 14744
4. Property Code 328928		3. API Number 30-015-47311
5. Property Name PARKCHESTER 24 23 B2HE STATE COM		6. Well No. 001H

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
H	24	19S	28E	H	1860	N	205	E	Eddy

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
E	23	19S	28E	E	1880	N	100	W	Eddy

**9. Pool Information**

SCANLON DRAW;BONE SPRING	55510
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**Additional Well Information**

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3380
16. Multiple N	17. Proposed Depth 17884	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 6/20/2020
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	420	350	0
Int1	12.25	9.625	36	935	250	0
Prod	8.75	7	26	7800	810	735
Liner1	6.125	4.5	13.5	17884	420	7298

**Casing/Cement Program: Additional Comments**

MOC proposed to drill & test the Bone Springs formation. H2S rule 118 does not apply because MOC has researched the area & no high concentrations were found. Will have on location & working all H2S safety equipment before Yates formation for safety & insurance purposes. Will stimulate as needed for production.

**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Annular	2000	1500	Schaffer
Double Ram	3000	3000	Schaffer
Annular	3000	1500	Schaffer

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.  
 I further certify I have complied with 19.15.14.9 (A) NMAC  and/or 19.15.14.9 (B) NMAC , if applicable.

**OIL CONSERVATION DIVISION**

Signature:		
Printed Name: Electronically filed by Monty Whetstone	Approved By: Raymond Podany	
Title: Vice President Operations	Title: Geologist	
Email Address: prodmgr@mewbourne.com	Approved Date: 8/4/2020	Expiration Date: 8/4/2022
Date: 8/4/2020	Phone: 903-561-2900	Conditions of Approval Attached

ATTACHMENT





**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 <b>55510</b>		3 Pool Name <b>SCANLON DRAW - BONE SPRING</b>	
4 Property Code		5 Property Name <b>PARKCHESTER 24/23 B2HE STATE COM</b>			6 Well Number <b>1H</b>
7 GRID NO. <b>14744</b>		8 Operator Name <b>MEWBOURNE OIL COMPANY</b>			9 Elevation <b>3380'</b>

**10 Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
<b>H</b>	<b>24</b>	<b>19S</b>	<b>28E</b>		<b>1880</b>	<b>NORTH</b>	<b>205</b>	<b>EAST</b>	<b>EDDY</b>

**11 Bottom Hole Location If Different From Surface**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Foot from the	East/West line	County
<b>E</b>	<b>23</b>	<b>19S</b>	<b>28E</b>		<b>1880</b>	<b>NORTH</b>	<b>100</b>	<b>WEST</b>	<b>EDDY</b>

12 Dedicated Acres <b>320</b>	13 Joint or Infill	14 Consolidation Code	15 Order No.
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No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

**16**

**CORNER DATA**  
NAD 83 GRID - NM EAST

**GEODETTIC DATA**  
NAD 83 GRID - NM EAST

**SURFACE LOCATION**  
N: 599787.6 - E: 606191.9  
LAT: 32.6486869° N  
LONG: 104.1226208° W

**BOTTOM HOLE**  
N: 599659.0 - E: 596083.0  
LAT: 32.6483844° N  
LONG: 104.1554853° W

A: FOUND BRASS CAP "1941"  
N: 596258.7 - E: 595984.2  
B: FOUND BRASS CAP "1941"  
N: 598897.7 - E: 595983.6  
C: FOUND BRASS CAP "1941"  
N: 801537.8 - E: 595981.6  
D: FOUND BRASS CAP "1941"  
N: 801556.9 - E: 598578.0  
E: FOUND BRASS CAP "1941"  
N: 801577.6 - E: 601175.4  
F: FOUND BRASS CAP "1941"  
N: 801613.1 - E: 603784.4  
G: FOUND BRASS CAP "1941"  
N: 801650.1 - E: 808394.2  
H: FOUND BRASS CAP "1941"  
N: 598997.4 - E: 606397.9  
I: FOUND BRASS CAP "1941"  
N: 596349.6 - E: 606403.0  
J: FOUND BRASS CAP "1941"  
N: 596322.3 - E: 603791.7  
K: FOUND BRASS CAP "1941"  
N: 596295.7 - E: 601180.7  
L: FOUND BRASS CAP "1941"  
N: 598937.0 - E: 601179.9

**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]* **1-23-20**  
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.

**12-11-2019**  
Date of Survey  
*[Signature]*  
Signature and Seal of Professional Surveyor  
**19680**  
Certificate Number

**ROBERT M. HOWETT**  
NEW MEXICO  
19680  
PROFESSIONAL SURVEYOR

**PROJECT AREA**      **PRODUCING AREA**

**RRC-Job No: LS19121141**

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6181 Fax:(575) 393-0720  
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 August 1, 2011  
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		3. API Number 30-015-47310
4. Property Code 328927	5. Property Name PARKCHESTER 24 23 B3HE STATE COM	6. Well No. 002H

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
H	24	19S	28E	H	1890	N	205	E	Eddy

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
E	23	19S	28E	E	1880	N	100	W	Eddy

**9. Pool Information**

55510	55510
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**Additional Well Information**

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Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
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Liner1	6.125	4.5	13.5	18909	420	8329

**Casing/Cement Program: Additional Comments**

MOC proposed to drill & test the Bone Springs formation. H2S rule 118 does not apply because MOC has researched the area & no high concentrations were found. Will have on location & working all H2S safety equlpmnt before Yates formation for safety & insurance purposes. Will stimulate as needed for production.

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Type	Working Pressure	Test Pressure	Manufacturer
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**OIL CONSERVATION DIVISION**

Signature:			
Printed Name: Electronically filed by Monty Whetstone	Approved By: Raymond Podany		
Title: Vice President Operations	Title: Geologist		
Email Address: prodmgr@mewbourne.com	Approved Date: 8/4/2020	Expiration Date: 8/4/2022	
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4 Property Code		5 Property Name <b>PARKCHESTER 24/23 B3HE STATE COM</b>			6 Well Number <b>2H</b>
7 GRID NO. <b>14744</b>		8 Operator Name <b>MEWBOURNE OIL COMPANY</b>			9 Elevation <b>3379'</b>

**10 Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>H</b>	<b>24</b>	<b>19S</b>	<b>28E</b>		<b>1890</b>	<b>NORTH</b>	<b>205</b>	<b>EAST</b>	<b>EDDY</b>

**11 Bottom Hole Location If Different From Surface**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>E</b>	<b>23</b>	<b>19S</b>	<b>28E</b>		<b>1880</b>	<b>NORTH</b>	<b>100</b>	<b>WEST</b>	<b>EDDY</b>

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**GEODETIC DATA**  
NAD 83 GRID - NM EAST

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**BOTTOM HOLE**  
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LAT: 32.6483844° N  
LONG: 104.1554653° W

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N: 596258.7 - E: 595984.2  
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C: FOUND BRASS CAP "1941"  
N: 601537.8 - E: 595981.6  
D: FOUND BRASS CAP "1941"  
N: 601556.9 - E: 598579.0  
E: FOUND BRASS CAP "1941"  
N: 601577.6 - E: 601175.4  
F: FOUND BRASS CAP "1941"  
N: 601613.1 - E: 603784.4  
G: FOUND BRASS CAP "1941"  
N: 601650.1 - E: 606394.2  
H: FOUND BRASS CAP "1941"  
N: 598997.4 - E: 606397.9  
I: FOUND BRASS CAP "1941"  
N: 596349.6 - E: 606403.0  
J: FOUND BRASS CAP "1941"  
N: 596322.3 - E: 603791.7  
K: FOUND BRASS CAP "1941"  
N: 596295.7 - E: 601160.7  
L: FOUND BRASS CAP "1941"  
N: 598937.0 - E: 601179.9

**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.

1-23-20

Signature: *Bradley Bishop*  
Date: 1-23-20  
Printed Name: **BRADLEY BISHOP**  
E-mail Address: **BBISHOP@MEWBOURNE.COM**

**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.

**12-11-2019**  
Date of Survey

Signature and Seal of Professional Surveyor: *Robert M. Howett*

**19680**  
Certificate Number

S 89°34'46" W 2598.13'    S 89°32'33" W 2597.16'    S 89°13'18" W 2609.93'    S 89°11'16" W 2610.65'

1880'    1890'

B.H. 100'    S.L.O. 205'

23    24

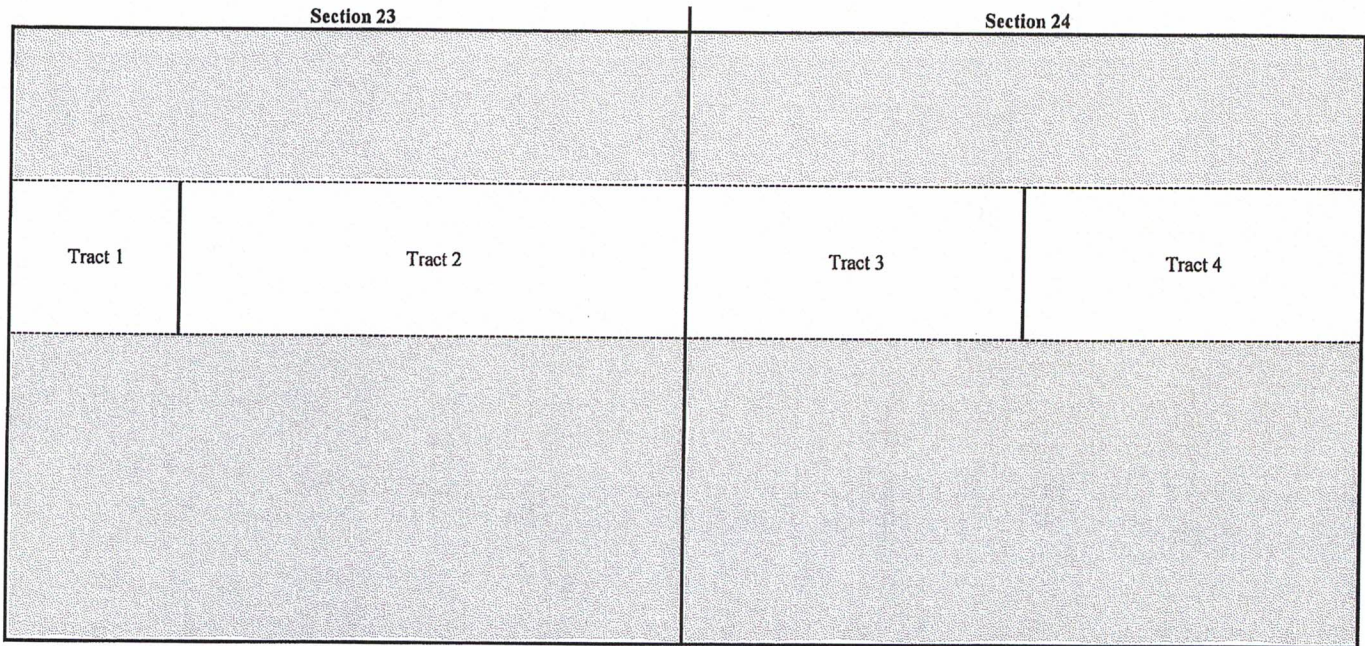
PROJECT AREA    PRODUCING AREA

S 89°35'30" W 5197.90'    S 89°24'56" W 2611.83'    S 89°24'05" W 2612.05'

RRC-Job No: LS19121140

**Section Plat**  
Parkchester 24/23 B2HE Fed Com #1H & Parkchester 24/23 B3HE Fed Com #2H  
S/2N/2 of Section 24 & S/2N/2 of Section 23

T19S-R28E, Eddy County, NM



**Tract 1: SW/4NW/4 of Section 23 - State Lease E-5136**

CM Resources, LLC  
Marathon Oil Permian, LLC  
Fasken Land & Minerals, Ltd.  
EOG Resources, Inc.  
OXY Y-1 Company  
RSC Resources, LP

**Tract 3: S/2NW/4 of Section 24 - State Lease E-5073**

Mewbourne Oil Company  
ZPZ Delaware I, LLC  
OXY USA WTP Limited Partnership

**Tract 2: SE/4NW/4 & S/2NE/4 of Section 23 - State Lease E-5136**

CM Resources, LLC  
Fasken Land & Minerals, Ltd.  
EOG Resources, Inc.  
OXY Y-1 Company  
RSC Resources, LP

**Tract 4: S/2NE/4 of Section 24 - State Lease E-5073**

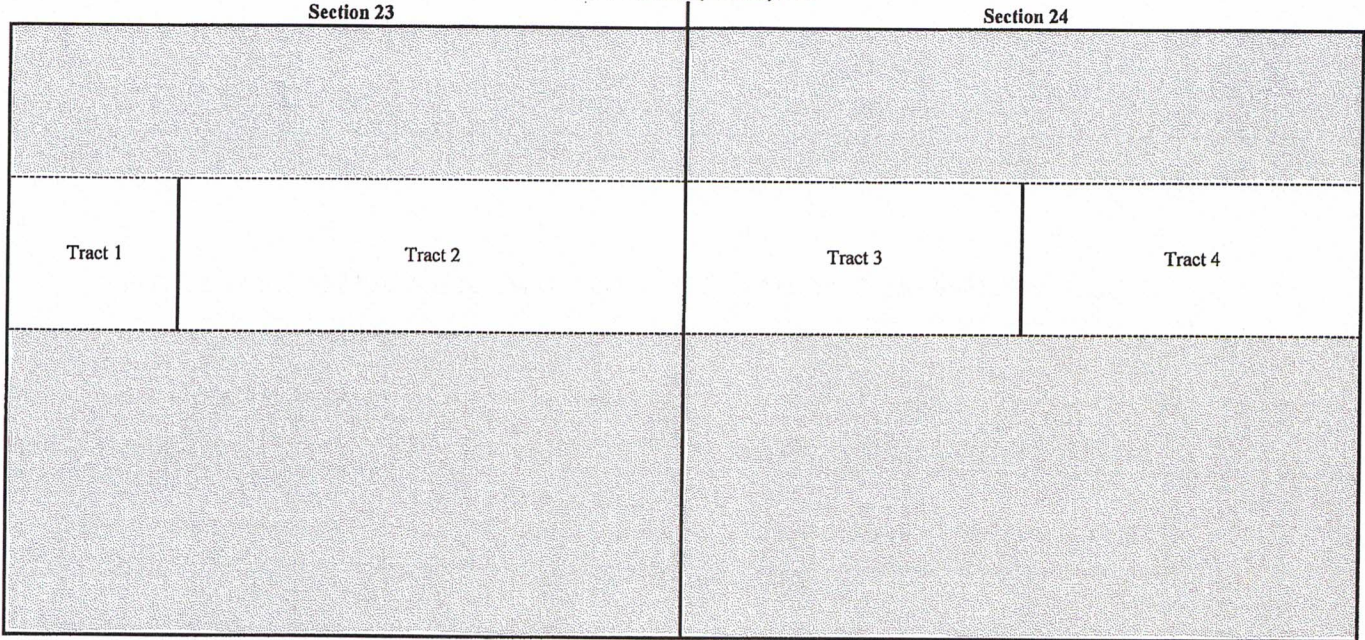
Mewbourne Oil Company  
ZPZ Delaware I, LLC  
OXY USA WTP Limited Partnership

ATTACHMENT C

**RECAPITULATION FOR PARKCHESTER 24/23 B2HE FED COM #1H & PARKCHESTER 24/23 B3HE FED COM #2H**

Tract Number	Number of Acres Committeed	Percentage of Interst in Communitized Area
1	40	12.500000%
2	120	37.500000%
3	80	25.000000%
4	80	25.000000%
<b>TOTAL</b>	<b>320</b>	<b>100.000000%</b>

T19S-R28E, Eddy County, NM



**TRACT OWNERSHIP**  
S/2N/2 of Section 23 & S/2N/2 of Section 24

**Bone Spring Formation:**

Owner	% of Leasehold Interest
Mewbourne Oil Company, et al.	88.165510%
*EOG Resources, Inc. P.O. Box 2267 Midland, TX 79702	8.796296%
*Marathon Oil Permian, LLC 5555 San Felipe St. Houston, TX 77056	3.038194%
<b>TOTAL</b>	<b>100.000000%</b>

---

**Total Interest Being Pooled: 11.834490%**

**OWNERSHIP BY TRACT**

**SW/4NW/4 of Section 23**

Owner	% of Leasehold Interest
Mewbourne Oil Company, et al.	58.101851%
EOG Resources, Inc.	17.592593%
Marathon Oil Permian, LLC	24.305556%
<b>TOTAL</b>	<b>100.000000%</b>

**SE/4NW/4 & S/2NE/4 of Section 23**

Owner	% of Leasehold Interest
Mewbourne Oil Company, et al.	82.407407%
EOG Resources, Inc.	17.592593%
<b>TOTAL</b>	<b>100.000000%</b>

**S/2NW/4 of Section 24**

Owner	% of Leasehold Interest
Mewbourne Oil Company, et al.	100.000000%
<b>TOTAL</b>	<b>100.000000%</b>

**S/2NE/4 of Section 14**

Owner	% of Leasehold Interest
Mewbourne Oil Company, et al.	100.000000%
<b>TOTAL</b>	<b>100.000000%</b>

**Summary of Communications**  
**Parkchester 24/23 B2HE State Com #1H &**  
**Parkchester 24/23 B3HE State Com #2H**  
**S/2N/2 of Section 24-T19S-R28E, Eddy County, NM &**  
**S/2N/2 of Section 23-T19S-R28E, Eddy County, NM**

**EOG Resources, Inc.:**

- 2/11/2020:** Mailed Parkchester 24/23 B2HE State Com #1H & Parkchester 24/23 B3HE State Com #2H Well Proposals, under the terms of the governing Joint Operating Agreement to the above listed party.
- 2/13/2020:** The above listed party received and signed for the certified mailing of the above captioned Well Proposals.
- 2/17/2020:** Correspondence with above listed party regarding Working Interest Unit and Well Proposals.
- 2/24/2020:** Correspondence with above listed party regarding Working Interest Unit and Well Proposals.
- 2/25/2020:** Correspondence with above listed party regarding Working Interest Unit and Well Proposals.
- 3/12/2020:** Correspondence with above listed party regarding Working Interest Unit and Well Proposals
- 3/18/2020:** Correspondence with above listed party regarding Working Interest Unit and Well Proposals.
- 4/1/2020:** Correspondence with above listed party regarding Working Interest Unit and Well Proposals
- 11/18/2020:** Mailed the Re-Proposed Parkchester 24/23 B2HE State Com #1H & Parkchester 24/23 B3HE State Com #2H Well Proposals, under the terms of the governing Joint Operating Agreement to the above listed party. The wells were Re-Proposed due to the climate of the industry partially due to the national pandemic.
- 11/18/2020:** Correspondence with above listed party regarding Working Interest Unit and Well Proposals.
- 11/19/2020:** Phone correspondence with above listed party regarding Working Interest Unit and Well Proposals.
- 11/19/2020:** Correspondence with above listed party regarding Working Interest Unit and Well Proposals.
- 11/23/2020:** The above listed party received and signed for the certified mailing of the above captioned Well Proposals.
- 12/9/2020:** Phone correspondence with above listed party regarding Working Interest Unit and Well Proposals.
- 12/9/2020:** Correspondence with above listed party regarding Working Interest Unit and Well Proposals.
- 12/15/2020:** Correspondence with above listed party regarding Working Interest Unit and Well Proposals.
- 2/5/2021:** Phone correspondence with above listed party regarding Working Interest Unit and Well Proposals.
- 2/9/2021:** Met with above listed party regarding the above Working Interest Unit and Well Proposals.

**Ongoing:** Mewbourne is currently negotiating with EOG Resources, Inc. to acquire all or a portion of their interest.

**Marathon Oil Permian, LLC:**

- 2/11/2020:** Mailed Parkchester 24/23 B2HE State Com #1H & Parkchester 24/23 B3HE State Com #2H Well Proposals, under the terms of the governing Joint Operating Agreement to the above listed party.
- 2/18/2020:** The above listed party received and signed for the certified mailing of the above captioned Well Proposals.
- 11/18/2020:** Mailed the Re-Proposed Parkchester 24/23 B2HE State Com #1H & Parkchester 24/23 B3HE State Com #2H Well Proposals, under the terms of the governing Joint Operating Agreement to the above listed party. The wells were Re-Proposed due to the climate of the industry partially due to the national pandemic.
- 11/18/2020:** Correspondence with above listed party regarding Working Interest Unit and Well Proposals.
- 11/20/2020:** Correspondence with above listed party regarding Working Interest Unit and Well Proposals.
- 11/23/2020:** The above listed party received and signed for the certified mailing of the above captioned Well Proposals.
- 11/30/2020:** Correspondence with above listed party regarding Working Interest Unit and Well Proposals.

**12/1/2020:** Correspondence with above listed party regarding Working Interest Unit and Well Proposals.  
**12/2/2020:** Correspondence with above listed party regarding Working Interest Unit and Well Proposals.  
**2/3/2021:** Correspondence with above listed party regarding Working Interest Unit and Well Proposals.  
**2/10/2021:** Correspondence with above listed party regarding Working Interest Unit and Well Proposals.

**Ongoing:** Mewbourne is currently negotiating with Marathon Oil Permian, LLC to acquire all or a portion of their interest.



**MEWBOURNE OIL COMPANY**  
500 WEST TEXAS AVENUE, SUITE 1020  
MIDLAND, TEXAS 79701-4279

TELEPHONE (432) 682-3715

February 11, 2020

*Via Certified Mail*

EOG Resources, Inc.  
5509 Champions Drive  
Midland, Texas 79706  
Attn: Chuck Moran

Re: Parkchester "24/23" B2HE State Com No. 1H  
1860' FNL & 205' FEL (SL) (Sec. 24)  
1880' FSL & 100' FWL (BHL) (Sec. 23)  
Section 24/23, T19S, R28E  
Eddy County, New Mexico

To Whom It May Concern:

Under the terms of the governing Operating Agreement, Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to drill the captioned 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 7,772 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 17,706 feet. The S/2N/2 of the captioned Section 24 and the S/2N/2 of the captioned Section 23 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling is our AFE dated February 10, 2020 for the captioned proposed well. In the event your firm elects to participate in the proposed well, please execute the enclosed AFE and return to me within thirty (30) days. EOG Resources, Inc. did not execute the Joint Operating Agreement.

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

Sincerely,  
**MEWBOURNE OIL COMPANY**



Josh Anderson  
Landman

**MEWBOURNE OIL COMPANY**

500 WEST TEXAS AVENUE, SUITE 1020  
MIDLAND, TEXAS 79701-4279

---

TELEPHONE (432) 682-3715

February 11, 2020

Via Certified Mail

EOG Resources, Inc.  
5509 Champions Drive  
Midland, Texas 79706  
Attn: Chuck Moran

Re: Parkchester "24/23" B3HE State Com No. 2H  
1860' FNL & 205' FEL (SL) (Sec. 24)  
1880' FNL & 100' FWL (BHL) (Sec. 23)  
Section 24/23, T19S, R28E  
Eddy County, New Mexico

To Whom It May Concern:

Under the terms of the governing Operating Agreement, Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to drill the captioned 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 8,804 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 18,738 feet. The S/2N/2 of the captioned Section 24 and the S/2N/2 of the captioned Section 23 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling is our AFE dated February 10, 2020 for the captioned proposed well. In the event your firm elects to participate in the proposed well, please execute the enclosed AFE and return to me within thirty (30) days. EOG Resources, Inc. did not execute the Joint Operating Agreement.

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

Sincerely,  
**MEWBOURNE OIL COMPANY**



Josh Anderson  
Landman

**Josh Anderson**

---

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**Sent:** Thursday, February 13, 2020 3:20 PM  
**To:** Josh Anderson  
**Subject:** [EXT] Document Delivered

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A document with a tracking code of 9414810699945047874762 and reference number of Parkchester 24 23 B2HE was successfully delivered to Chuck Moran at EOG Resources Inc.

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Regards,

*The Client Services Group-Assistance*

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Cary, NC 27511-4447  
[888-462-1750 ext. 2](tel:888-462-1750) | [assistance@simplecertifiedmail.com](mailto:assistance@simplecertifiedmail.com)

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**MEWBOURNE OIL COMPANY**  
500 WEST TEXAS AVENUE, SUITE 1020  
MIDLAND, TEXAS 79701-4279

TELEPHONE (432) 682-3715

November 17, 2020

Via Certified Mail

EOG Resources, Inc.  
5509 Champions Drive  
Midland, Texas 79706  
Attn: Land Manager

Re: Parkchester "24/23" B2HE State Com No. 1H  
1860' FNL & 205' FEL (SL) (Sec. 24)  
1880' FNL & 100' FWL (BHL) (Sec. 23)  
Section 24/23, T19S, R28E  
Eddy County, New Mexico

To Whom It May Concern:

Regarding the captioned prospect, Mewbourne Oil Company ("Mewbourne") has since retracted the previous proposal for the Parkchester 24/23 B2HE State Com #1H sent to you by letter dated February 11, 2020, and hereby replaces said proposal with this proposal for the Parkchester 24/23 B2HE State Com #1H.

Under the terms of the governing Operating Agreement, Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to drill the captioned 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 7,772 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 17,706 feet. The S/2N/2 of the captioned Section 24 and the S/2N/2 of the captioned Section 23 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling is our AFE dated November 16, 2020 for the captioned proposed well. In the event your firm elects to participate in the proposed well, please execute the enclosed AFE and return to me within thirty (30) days. EOG Resources, Inc. did not execute the Joint Operating Agreement.

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

Sincerely,  
**MEWBOURNE OIL COMPANY**



Josh Anderson, RPL  
Landman

**MEWBOURNE OIL COMPANY**  
500 WEST TEXAS AVENUE, SUITE 1020  
MIDLAND, TEXAS 79701-4279

TELEPHONE (432) 682-3715

November 17, 2020

Via Certified Mail

EOG Resources, Inc.  
5509 Champions Drive  
Midland, Texas 79706  
Attn: Land Manager

Re: Parkchester "24/23" B3HE State Com No. 2H  
1890' FNL & 205' FEL (SL) (Sec. 24)  
1880' FNL & 100' FWL (BHL) (Sec. 23)  
Section 24/23, T19S, R28E  
Eddy County, New Mexico

To Whom It May Concern:

Regarding the captioned prospect, Mewbourne Oil Company ("Mewbourne") has since retracted the previous proposal for the Parkchester 24/23 B3HE State Com #2H sent to you by letter dated February 11, 2020, and hereby replaces said proposal with this proposal for the Parkchester 24/23 B3HE State Com #2H.

Under the terms of the governing Operating Agreement, Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to drill the captioned 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 8,804 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 18,738 feet. The S/2N/2 of the captioned Section 24 and the S/2N/2 of the captioned Section 23 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling is our AFE dated November 16, 2020 for the captioned proposed well. In the event your firm elects to participate in the proposed well, please execute the enclosed AFE and return to me within thirty (30) days. EOG Resources, Inc. did not execute the Joint Operating Agreement.

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

Sincerely,

**MEWBOURNE OIL COMPANY**



Josh Anderson, RPL  
Landman

**Josh Anderson**

---

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**To:** Josh Anderson  
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If you have questions or concerns, please let us know.

Regards,

*The Client Services Group-Assistance*

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111 Commonwealth Court, Suite 103  
Cary, NC 27511-4447  
[888-462-1750 ext. 2](tel:888-462-1750) | [assistance@simplecertifiedmail.com](mailto:assistance@simplecertifiedmail.com)

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**MEWBOURNE OIL COMPANY**  
AUTHORIZATION FOR EXPENDITURE

Well Name: **PARKCHESTER 24/23 B2HE ST COM #1H** Prospect: **Parkchester**  
 Location: **SL: 1860 FNL & 205 FEL (24) ; BHL: 1880 FNL & 100 FWL (23)** County: **Eddy** ST: **NM**  
 Sec. **24** Blk:  Survey:  TWP: **19S** RNG: **28E** Prop. TVD: **7772** TMD: **17706**

INTANGIBLE COSTS 0180				CODE	TCP	CODE	CC
Regulatory Permits & Surveys				0180-0100	\$10,000	0180-0200	
Location / Road / Site / Preparation				0180-0105	\$45,000	0180-0205	\$25,000
Location / Restoration				0180-0106	\$200,000	0180-0206	\$15,000
Daywork / Turnkey / Footage Drilling 22 days drlg / 3 days comp @ \$18550/d				0180-0110	\$435,900	0180-0210	\$59,400
Fuel 1700 gal/day @ \$1.3/gal				0180-0114	\$51,900	0180-0214	\$224,000
Alternate Fuels				0180-0115		0180-0215	
Mud, Chemical & Additives				0180-0120	\$200,000	0180-0220	
Mud - Specialized				0180-0121		0180-0221	
Horizontal Drillout Services						0180-0222	\$200,000
Stimulation Toe Preparation						0180-0223	\$25,000
Cementing				0180-0125	\$100,000	0180-0225	\$30,000
Logging & Wireline Services				0180-0130	\$2,500	0180-0230	\$344,000
Casing / Tubing / Snubbing Services				0180-0134	\$20,000	0180-0234	\$50,000
Mud Logging				0180-0137	\$20,000		
Stimulation 62 Stg 20.2 MM gal/ 20.2 MM lb						0180-0241	\$1,256,000
Stimulation Rentals & Other						0180-0242	\$150,000
Water & Other				0180-0145	\$50,000	0180-0245	\$265,000
Bits				0180-0148	\$74,800	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 Rig						0180-0260	\$10,500
Rig Mobilization				0180-0164	\$120,000		
Transportation				0180-0165	\$30,000	0180-0265	\$20,000
Welding, Construction & Maint. Services				0180-0168	\$5,000	0180-0268	\$15,000
Contract Services & Supervision				0180-0170		0180-0270	\$18,000
Directional Services				0180-0175	\$310,000		
Equipment Rental				0180-0180	\$167,500	0180-0280	\$20,000
Well / Lease Legal				0180-0184	\$5,000	0180-0284	
Well / Lease Insurance				0180-0185	\$5,400	0180-0285	
Intangible Supplies				0180-0188	\$8,000	0180-0288	\$1,000
Damages				0180-0190	\$3,000	0180-0290	
Pipeline Interconnect, ROW Easements				0180-0192		0180-0292	\$4,000
Company Supervision				0180-0195	\$240,000	0180-0295	\$115,200
Overhead Fixed Rate				0180-0196	\$10,000	0180-0296	\$20,000
Contingencies 2% (TCP) 2% (CC)				0180-0199	\$43,400	0180-0299	\$58,400
<b>TOTAL</b>					<b>\$2,212,400</b>		<b>\$2,978,500</b>

TANGIBLE COSTS 0181				CODE	TCP	CODE	CC
Casing (19.1" - 30")				0181-0793			
Casing (10.1" - 19.0") 350' - 13 3/8" 54.5# J-55 ST&C @ \$32.16/ft				0181-0794	\$12,000		
Casing (8.1" - 10.0") 3200' - 9 5/8" 36# J-55 LT&C @ \$18.31/ft				0181-0795	\$62,600		
Casing (6.1" - 8.0") 8100' - 7" 29# HCP-110 LT&C @ \$21.47/ft				0181-0796	\$185,700		
Casing (4.1" - 6.0") 10500' - 4 1/2" 13.5# P-110 BPN @ \$11.72/ft						0181-0797	\$131,400
Tubing 7300' - 2 7/8" 6.5# EUE tbg @ \$4.54/ft						0181-0798	\$35,400
Drilling Head				0181-0860	\$40,000		
Tubing Head & Upper Section						0181-0870	\$50,000
Horizontal Completion Tools Completion Liner Hanger						0181-0871	\$82,000
Subsurface Equip. & Artificial Lift Packer						0181-0880	\$10,000
Pumping Unit Systems						0181-0885	
Service Pumps						0181-0888	
Storage Tanks						0181-0890	
Emissions Control Equipment (1/2) VRTs/VRU/Fiare/KOs						0181-0892	\$74,000
Separation / Treating Equipment (1/2) 30"x10"x1k#/48"x15"x1k# horiz/Heater Treater						0181-0895	\$75,000
Automation Metering Equipment						0181-0898	\$25,000
Line Pipe & Valves - Gathering						0181-0900	\$8,000
Fittings / Valves & Accessories						0181-0906	\$125,000
Cathodic Protection						0181-0908	
Electrical Installation						0181-0909	\$50,000
Equipment Installation						0181-0910	\$63,000
Pipeline Construction						0181-0920	\$8,000
<b>TOTAL</b>					<b>\$300,300</b>		<b>\$736,800</b>
<b>SUBTOTAL</b>					<b>\$2,512,700</b>		<b>\$3,715,300</b>
<b>TOTAL WELL COST</b>					<b>\$6,228,000</b>		

**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 re-drilling 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: Andy Taylor Date: 11/12/2020  
 Company Approval: M. White Date: 11/16/2020

Joint Owner Interest: \_\_\_\_\_ Amount: \_\_\_\_\_  
 Joint Owner Name: \_\_\_\_\_ Signature: \_\_\_\_\_

ATTACHMENT

# MEWBOURNE OIL COMPANY

## AUTHORIZATION FOR EXPENDITURE

Well Name: <b>PARKCHESTER 24/23 B3HE ST COM #2H</b>		Prospect: <b>Parkchester</b>
Location: <b>SL: 1890 FNL &amp; 205 FEL (24) ; BHL: 1880 FNL &amp; 100 FWL (23)</b>		County: <b>Eddy</b> ST: <b>NM</b>
Sec: <b>24</b>	Blk: <b></b>	Survey: <b></b> TWP: <b>19S</b> RNG: <b>28E</b> Prop. TVD: <b>8804</b> TMD: <b>18738</b>

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$10,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$45,000	0180-0205	\$25,000
Location / Restoration		0180-0108	\$200,000	0180-0208	\$20,000
Daywork / Turnkey / Footage Drilling <b>28 days drlg / 3 days comp @ \$18550/d</b>		0180-0110	\$554,700	0180-0210	\$59,400
Fuel <b>1700 gal/day @ \$1.3/gal</b>		0180-0114	\$66,100	0180-0214	\$224,000
Alternate Fuels		0180-0115		0180-0215	
Mud, Chemical & Additives		0180-0120	\$220,000	0180-0220	
Mud - Specialized		0180-0121		0180-0221	
Horizontal Drillout Services				0180-0222	\$200,000
Stimulation Toe Preparation				0180-0223	\$25,000
Cementing		0180-0125	\$100,000	0180-0225	\$30,000
Logging & Wireline Services		0180-0130	\$2,500	0180-0230	\$344,000
Casing / Tubing / Snubbing Services		0180-0134	\$20,000	0180-0234	\$60,000
Mud Logging		0180-0137	\$20,000		
Stimulation <b>62 Stg 20.2 MM gal/ 20.2 MM lb</b>				0180-0241	\$1,258,000
Stimulation Rentals & Other				0180-0242	\$150,000
Water & Other		0180-0145	\$50,000	0180-0245	\$265,000
Bits		0180-0148	\$128,200	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	\$120,000		
Transportation		0180-0165	\$30,000	0180-0265	\$20,000
Welding, Construction & Maint. Services		0180-0168	\$5,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170		0180-0270	\$18,000
Directional Services		0180-0175	\$387,500		
Equipment Rental		0180-0180	\$203,300	0180-0280	\$20,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$5,700	0180-0285	
Intangible Supplies		0180-0188	\$8,000	0180-0288	\$1,000
Damages		0180-0190	\$3,000	0180-0290	
Pipeline Interconnect, ROW Easements		0180-0192		0180-0292	\$4,000
Company Supervision		0180-0195	\$297,600	0180-0295	\$115,200
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Contingencies <b>2% (TCP) 2% (CC)</b>		0180-0199	\$50,900	0180-0299	\$58,700
<b>TOTAL</b>			<b>\$2,597,500</b>		<b>\$2,993,800</b>

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0") <b>350' - 13 3/8" 54.5# J-55 ST&amp;C @ \$32.16/ft</b>		0181-0794	\$12,000		
Casing (8.1" - 10.0") <b>3200' - 9 5/8" 36# J-55 LT&amp;C @ \$18.31/ft</b>		0181-0795	\$62,600		
Casing (6.1" - 8.0") <b>9100' - 7" 29# HCP-110 LT&amp;C @ \$21.47/ft</b>		0181-0796	\$208,700		
Casing (4.1" - 6.0") <b>10500' - 4 1/2" 13.5# P-110 BPN @ \$11.72/ft</b>				0181-0797	\$131,400
Tubing <b>8300' - 2 7/8" 6.5# EUE tbg @ \$4.54/ft</b>				0181-0798	\$40,200
Drilling Head		0181-0860	\$40,000		
Tubing Head & Upper Section				0181-0870	\$50,000
Horizontal Completion Tools <b>Completion Liner Hanger</b>				0181-0871	\$82,000
Subsurface Equip. & Artificial Lift <b>Packer</b>				0181-0880	\$10,000
Pumping Unit Systems				0181-0885	
Service Pumps				0181-0886	
Storage Tanks				0181-0890	
Emissions Control Equipment <b>(1/2) VRTs/VRU/Flare/KOs</b>				0181-0892	\$74,000
Separation / Treating Equipment <b>(1/2) 30"x10"x1k#/48"x15"x1k# horiz/Heater Treater</b>				0181-0895	\$75,000
Automation Metering Equipment				0181-0898	\$25,000
Line Pipe & Valves - Gathering				0181-0900	\$8,000
Fittings / Valves & Accessories				0181-0906	\$125,000
Cathodic Protection				0181-0908	
Electrical Installation				0181-0909	\$50,000
Equipment Installation				0181-0910	\$63,000
Pipeline Construction				0181-0920	\$8,000
<b>TOTAL</b>			<b>\$323,300</b>		<b>\$741,600</b>
<b>SUBTOTAL</b>			<b>\$2,920,800</b>		<b>\$3,735,400</b>

**TOTAL WELL COST \$6,656,200**

Extra Expense Insurance

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

I elect to purchase my own well control insurance policy.

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

Prepared by: Andy Taylor Date: 11/12/2020

Company Approval: *M. Whitt* Date: 11/16/2020

Joint Owner Interest: \_\_\_\_\_ Amount: \_\_\_\_\_

Joint Owner Name: \_\_\_\_\_ Signature: \_\_\_\_\_



**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 Nos. 21723

**SELF-AFFIRMED STATEMENT OF CHARLES CROSBY**

COUNTY OF MIDLAND                    )  
  ) ss.  
STATE OF TEXAS                        )

Charles Crosby deposes and states:

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

EXHIBIT

3

(c) Each quarter-quarter section in the well unit will contribute more or less equally to production from each target zone.

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

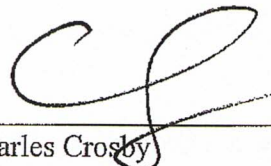
5. Attachments D-1 and D-2 contain information from other Second and Third Bone Spring Sand wells drilled in this area. There are both standup and laydown Bone Spring wells in this area, but with a preference for lay down wells.

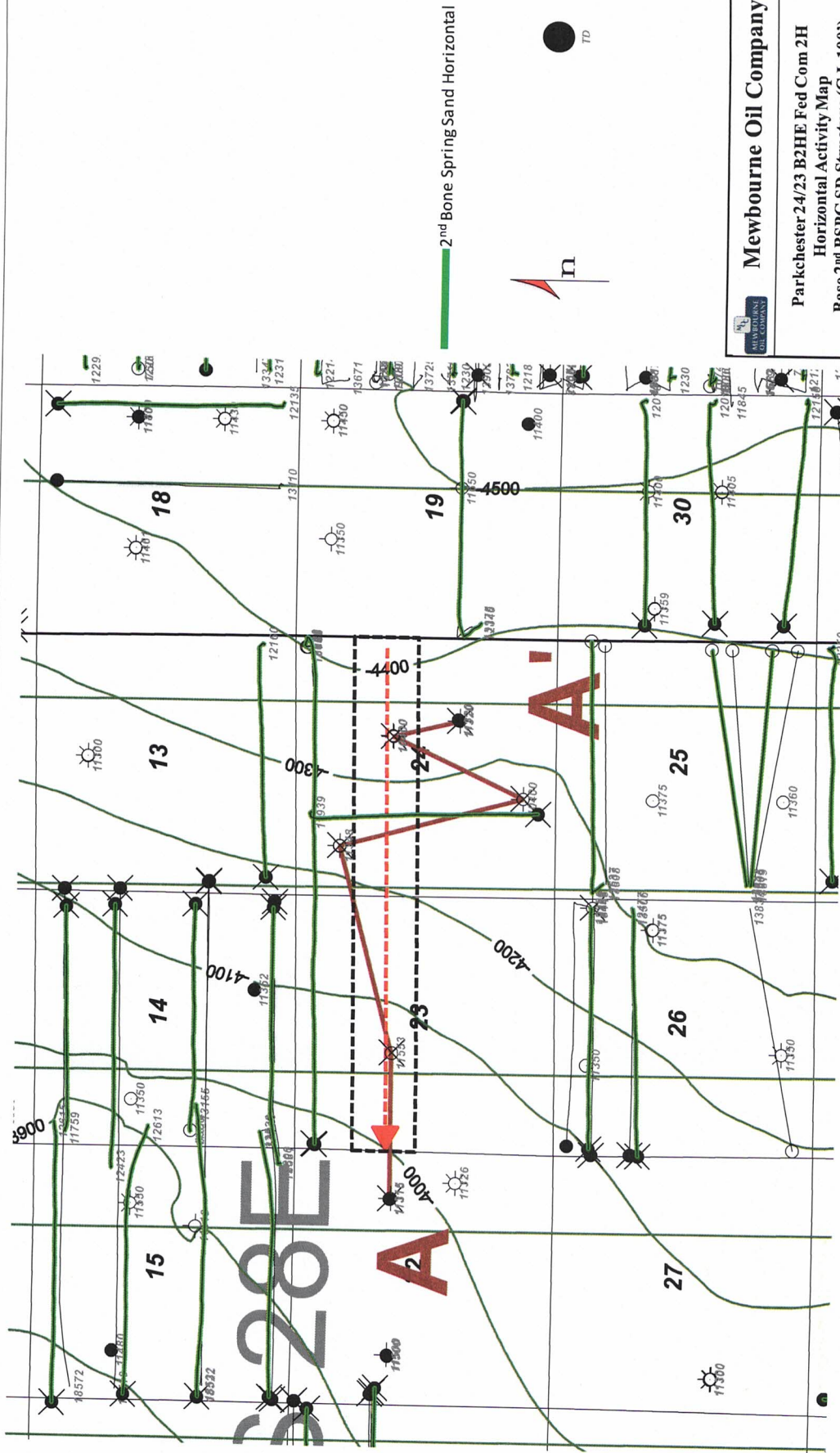
6. Attachments E-1 and E-2 are Survey Calculation Reports for the proposed wells. The producing intervals of the wells will be orthodox.

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

Date:

3/2/24

  
\_\_\_\_\_  
Charles Crosby



2<sup>nd</sup> Bone Spring Sand Horizontal

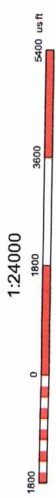


TD

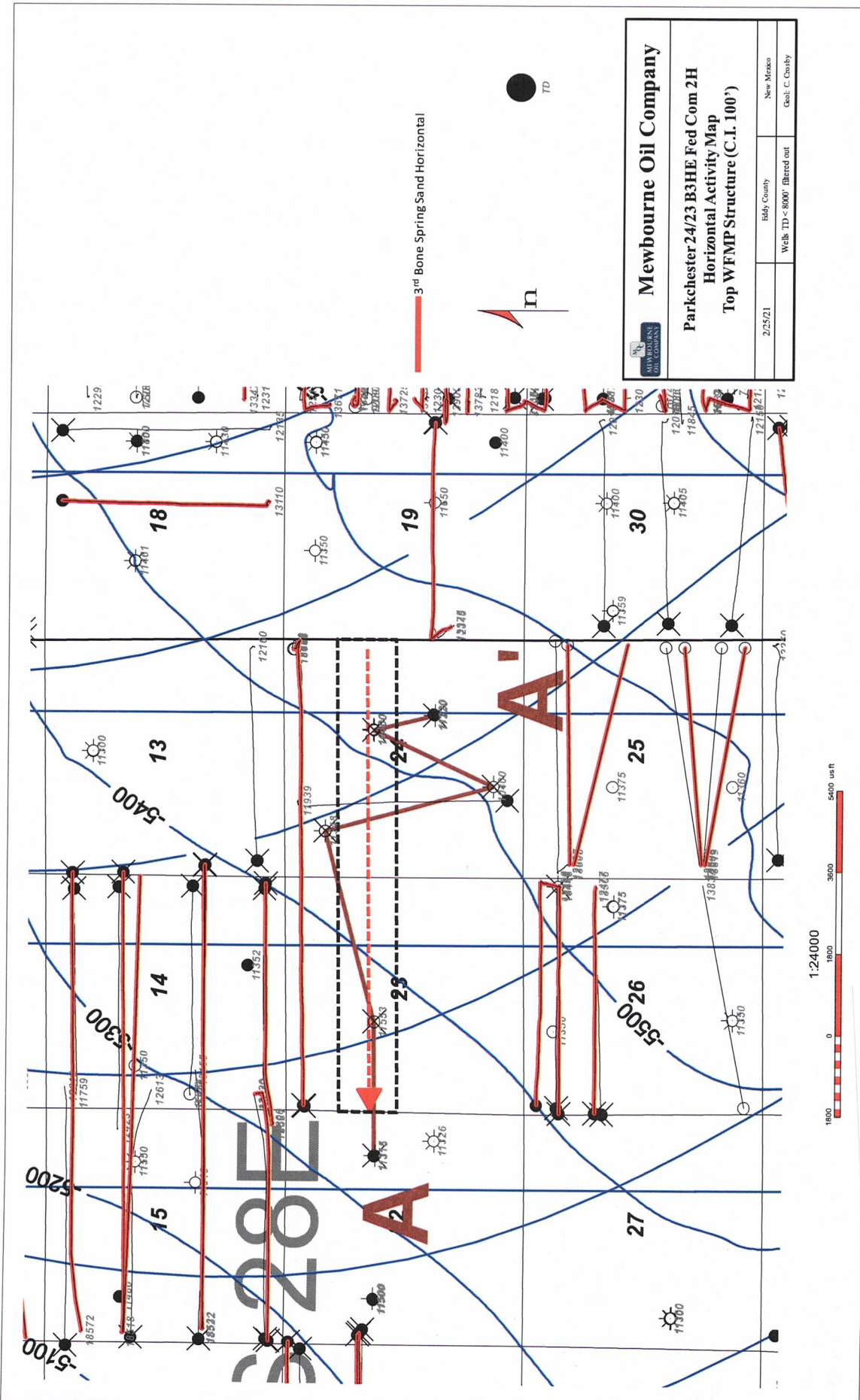
**Mewbourne Oil Company**

Parkchester 24/23 B2HE Fed Com 2H  
Horizontal Activity Map  
Base 2<sup>nd</sup> BSPG SD Structure (C.I. 100')

225/21	Eddy County	New Mexico
	Well TD < 8000' Filtered out	Geol. C. Crosby



ATTACHMENT **A.1**

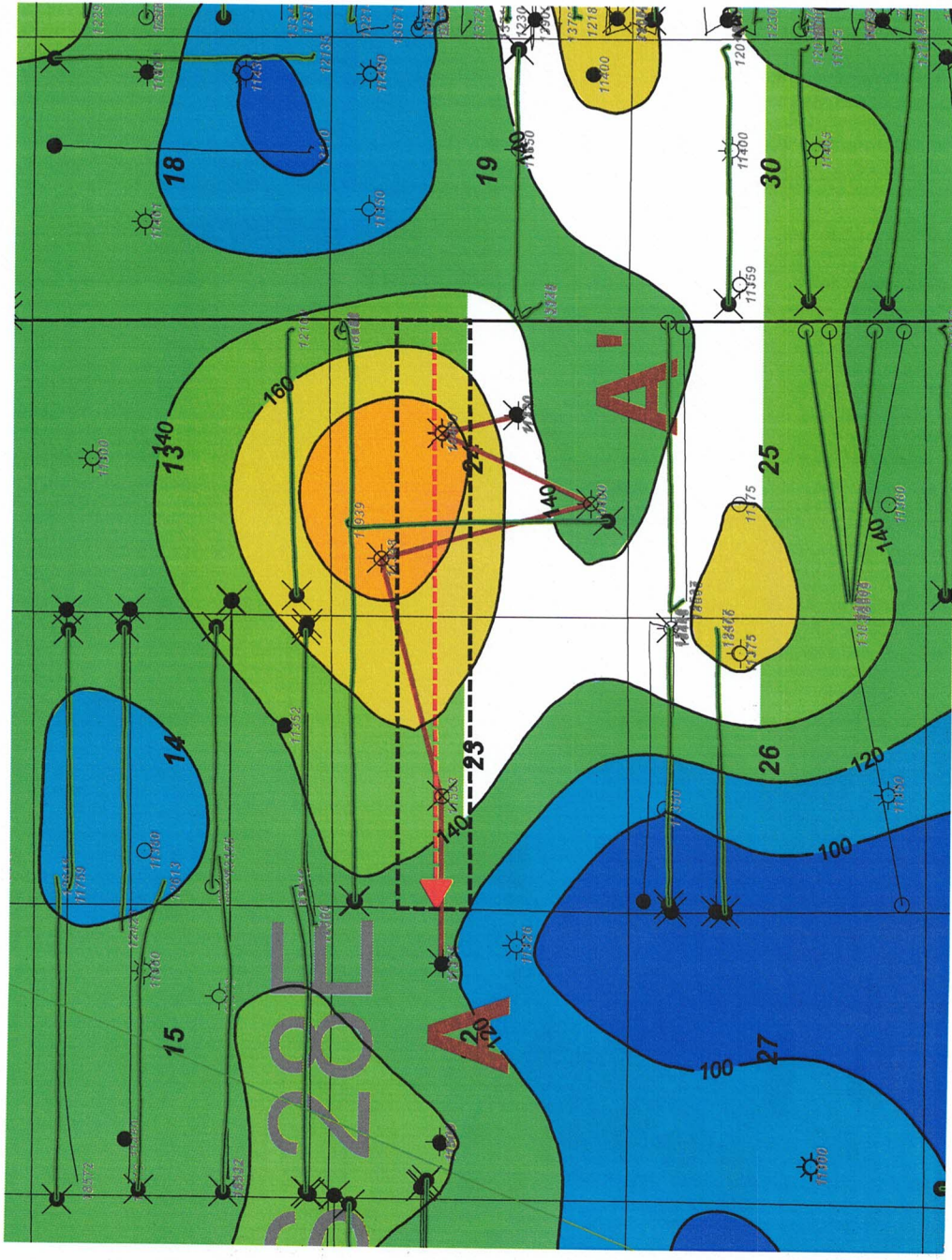


<b>Mewbourne Oil Company</b>	
<b>Parkchester 24/23 B3HE Fed Com 2H Horizontal Activity Map Top WFMP Structure (C.I. 100')</b>	
2/25/21	Eddy County
	Wells TD < 8000' (barred out)
	New Mexico
	Geol. C. Conroy

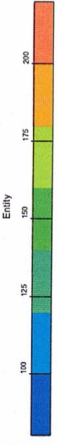


**A.2**

ATTACHMENT




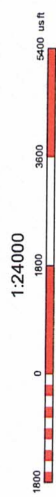
Lower 2nd BSPG SD Gross (C.I. 20')  
Color Filled Contour



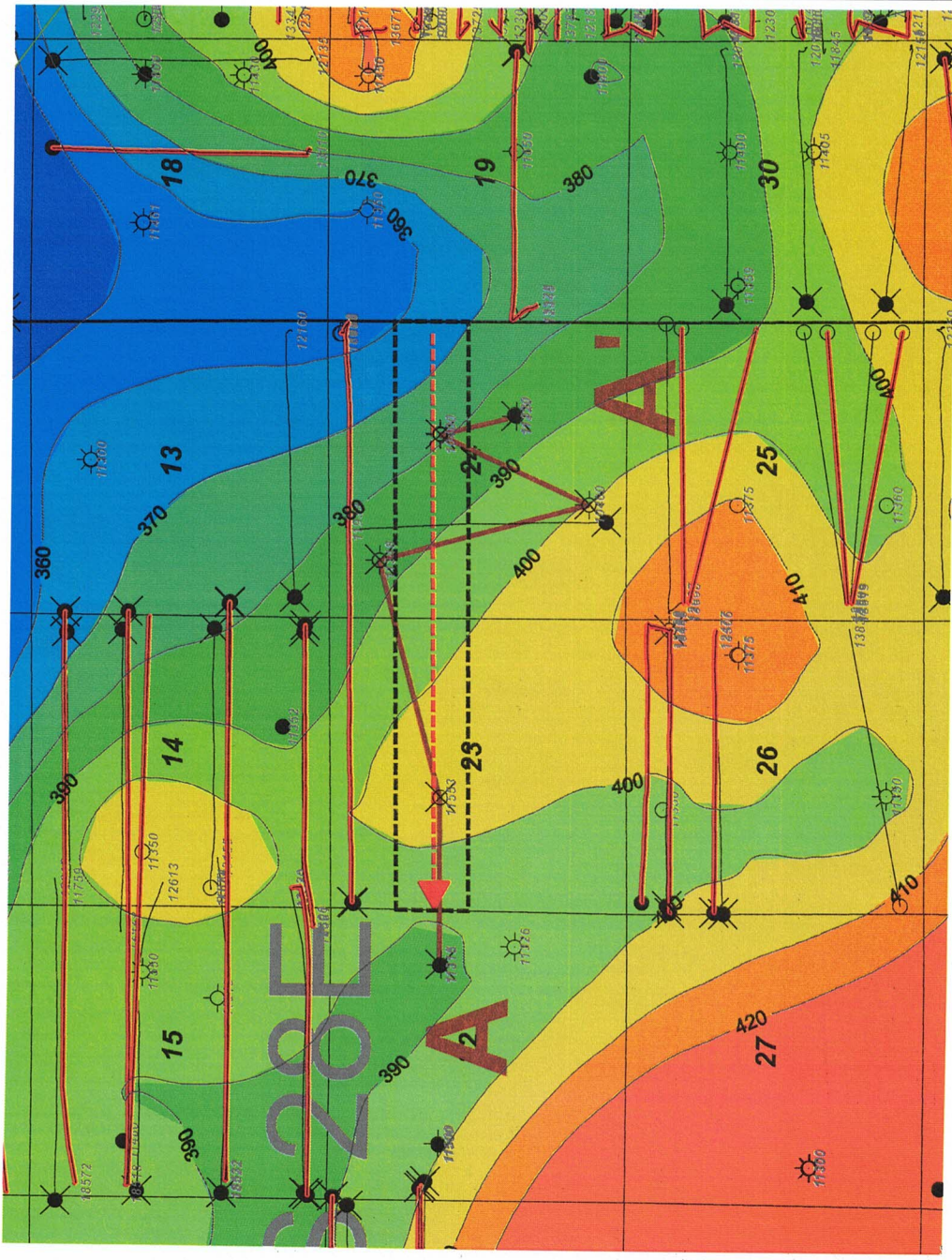
2nd Bone Spring Sand Horizontal



 <b>Mewbourne Oil Company</b>	
<b>Parkchester 24/23 B2HE Fed Com 2H Horizontal Activity Map Lower 2nd BSPG Sand Gross Thickness (C.I. 20')</b>	
2/25/21	Well TD - 800' Filtered out
Eddy County	New Mexico
Geol. C. Conby	



ATTACHMENT **B.1**



3rd BSPG Gross Thickness Isopect (C.I. 10')  
Color Filled Contour

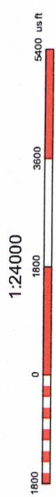


3rd Bone Spring Sand Horizontal



TD

<b>Mewbourne Oil Company</b>		
<b>Parkchester 24/23 B3HE Fed Com 2H</b> <b>Horizontal Activity Map</b> <b>3rd BSPG Sand Gross Thickness (C.I. 10')</b>		
2.2521	Eddy County	New Mexico
Wells TD < 8000' filtered out		Geol. C. Crosby



1:24000

B.2

ATTACHMENT

A  
W

301101780000  
HONOLULU & LAA CO  
17700000000  
DOWNSIDE  
17700000000  
TWP 19 S. R. 30W 28 E. Sec. 22

2871 E

301101780000  
HONOLULU & LAA CO  
17700000000  
DOWNSIDE  
17700000000  
TWP 19 S. R. 30W 28 E. Sec. 23

4261 E

301101780000  
HONOLULU & LAA CO  
17700000000  
DOWNSIDE  
17700000000  
TWP 19 S. R. 30W 28 E. Sec. 24

2841 E

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TWP 19 S. R. 30W 28 E. Sec. 24

2821 E

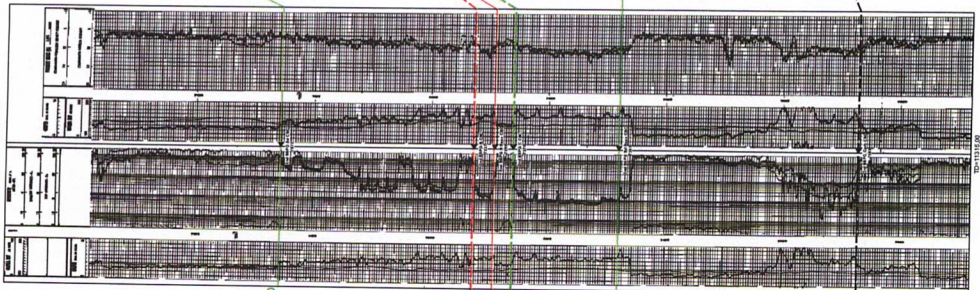
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2811 E

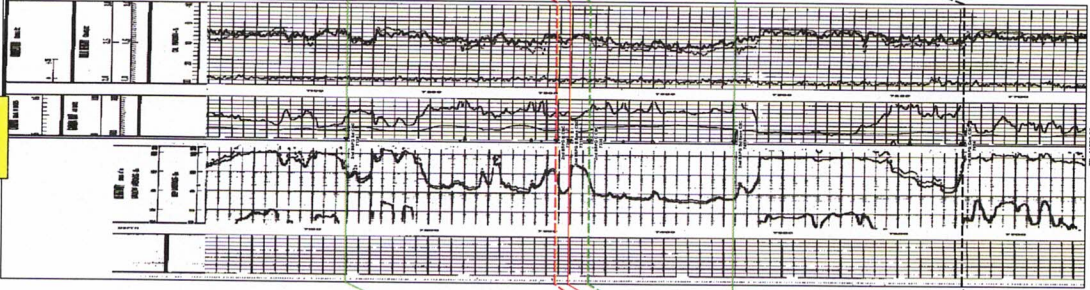
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A  
E

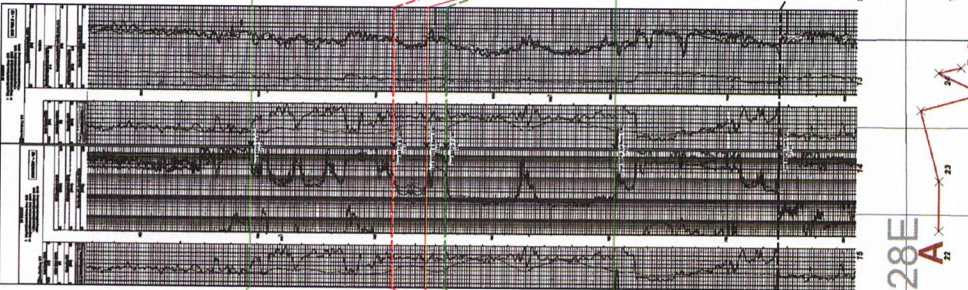
22H



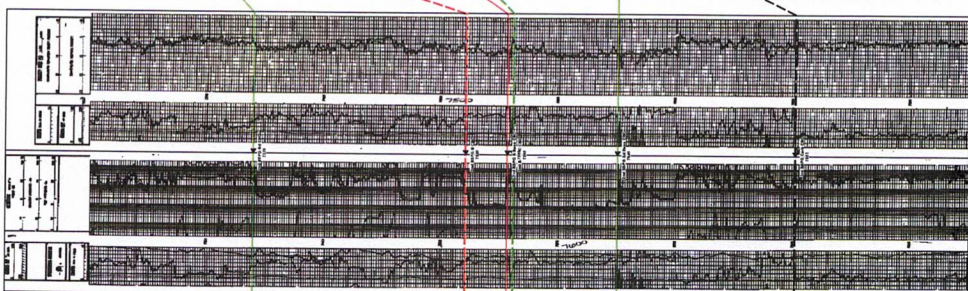
23F



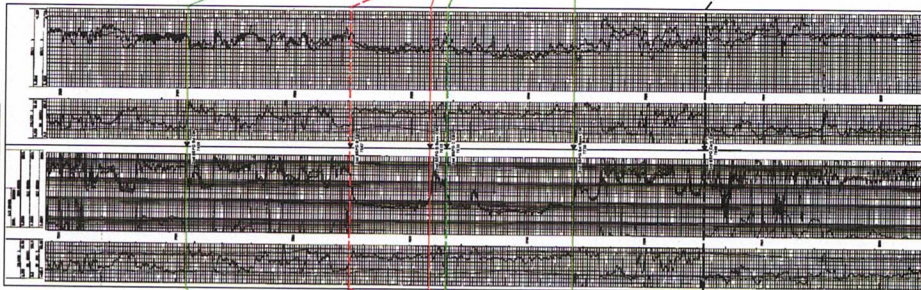
24D



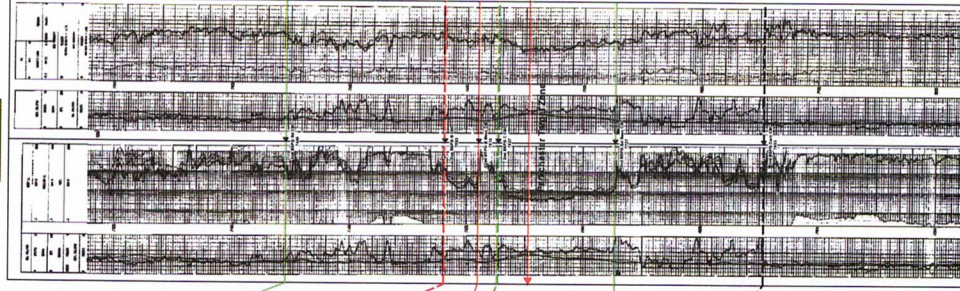
24N



24G



24J

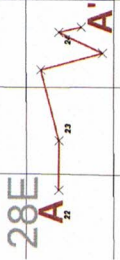


Top 2nd BSPG SD

Top 2nd BSPG Sand Target

Base 2nd BSPG SD

Top 3rd BSPG Carbonate



Parkchester 24/23 2nd BSPG SD  
XSec Exhibit (A-A')

C-1

ATTACHMENT





**Parkchester Area 2nd Bone Spring Sand Production Table**

Well Name	Operator	API	Location	Comp Date	Cum Oil (Mbo)	Cum Gas (Bcf)	Cum Water (MBW)	NS/EW	HZ Target
Parkchester 24 St 3H	Mewbourne	3001537998	24C/19S/28E	11/18/2010	36.4	0.1	87.3	NS	Lower 2nd BSPG SD
Palmillo 14 State 1H	Apache	3001539027	14I/19S/28E	11/1/2014	158.5	0.5	243.3	EW	Lower 2nd BSPG SD
Phantom 18 State 1H	COG	3001539612	18P/19S/29E	9/28/2012	46.2	0.1	96.5	NS	Lower 2nd BSPG SD
Mirage 30 PM State Com 1H	Mewbourne	3001540753	30P/19S/29E	4/7/2013	224.3	0.7	185.2	EW	Lower 2nd BSPG SD
Mirage 30 IL State Com 1H	Mewbourne	3001541306	30I/19S/29E	7/11/2014	143.2	0.4	179.5	EW	Lower 2nd BSPG SD
Rattlesnake 13 PM State 1H	Mewbourne	3001541727	13P/19S/28E	9/25/2014	115.7	0.2	315.6	EW	Lower 2nd BSPG SD
Mirage 30 B2HE State Com 1H	Mewbourne	3001542131	30H/19S/29E	3/23/2015	100.4	0.4	220.6	EW	Lower 2nd BSPG SD
Palmillo 14 State 4H	Apache	3001542543	14D/19S/28E	3/4/2015	84.1	0.3	234.8	EW	Lower 2nd BSPG SD
Palmillo 14 15 State 2H	Apache	3001544043	15P/19S/28E	9/16/2017	268.4	1.1	560.5	EW	Lower 2nd BSPG SD
Palmillo 14 15 State 3H	Apache	3001544045	15H/19S/28E	9/17/2017	109.9	0.5	410.3	EW	Lower 2nd BSPG SD
Marbob 19 State Com 123H	Matador	3001544687	19I/19S/29E	3/1/2018	67.3	0.3	178.5	EW	Lower 2nd BSPG SD
Palmillo 26 State Com 213H	Apache	3001545040	26H/19S/28E	4/26/2019	112.9	0.3	399.9	EW	Lower 2nd BSPG SD
Palmillo 14 15 State 205H	Apache	3001544667	14M/19S/28E	10/6/2018	302.4	1.3	562.7	EW	Lower 2nd BSPG SD
Palmillo 14 15 State 207H	Apache	3001544668	14E/19S/28E	10/5/2018	289.9	1.2	568.1	EW	Lower 2nd BSPG SD
Palmillo 14 15 State Com 208H	Apache	3001544669	14D/19S/28E	10/4/2018	380.4	1.2	555.3	EW	Lower 2nd BSPG SD
Palmillo 14 15 State 206H	Apache	3001544675	14L/19S/28E	10/3/2018	315.1	1.5	527.2	EW	Lower 2nd BSPG SD
Parkchester 24 23 B2AD State Com 1H	Mewbourne	3001546061	24A/19S/28E	10/17/2019	213.1	0.4	304.2	EW	Lower 2nd BSPG SD

**D.1**

ATTACHMENT

**Parkchester Area 3rd Bone Spring Sand Production Table**

Well Name	Operator	API	Location	Completion Date	Cum Oil (Mbo)	Cum Gas (Bcf)	Cum Wtr (Mbw)	NS/EW	Zone
Phantom 18 State 2H	COG	30015382580000	18O/19S/29E	6/21/2011	69.0	0.2	133.6	NS	3rd BSPG SD
Palmillo 14 15 State 301H	Apache	30015440400000	15P/19S/29E	9/8/2017	221.5	0.7	525.4	EW	3rd BSPG SD
Marbob 19 State Com 133H	Matador	30015446880000	19L/19S/29E	5/29/2018	88.4	0.5	232.7	EW	3rd BSPG SD
Palmillo 26 State Com 134H	Apache	30015449060000	26H/19S/28E	5/5/2019	95.4	0.3	336.5	EW	Upper 3rd BSPG SD
Palmillo 26 State Com 315H	Apache	30015449070000	26A/19S/28E	4/26/2019	57.8	0.3	375.7	EW	Upper 3rd BSPG SD
Palmillo 26 State Com 316H	Apache	30015449080100	26A/19S/28E	5/3/2019	100.5	0.2	404.1	EW	Upper 3rd BSPG SD
Palmillo 14 15 State 302H	Apache	30015453410000	15L/19S/28E	11/4/2019	117.2	0.2	294.4	EW	3rd BSPG SD
Palmillo 14 15 State 304H	Apache	30015453420000	15E/19S/28E	8/20/2019		TA'd		EW	3rd BSPG SD
Palmillo 14 15 State Com 305H	Apache	30015453430000	15E/19S/28E	11/4/2019	210.6	0.7	335.1	EW	3rd BSPG SD
Palmillo 14 15 State 303H	Apache	30015453800000	15L/19S/28E	11/4/2019	194.4	0.6	330.5	EW	3rd BSPG SD
Palmillo 14 15 State 307H	Apache	30015453810000	14M/19S/28E	10/24/2019	120.7	0.5	289.6	EW	3rd BSPG SD
Palmillo 14 15 State Com 306H	Apache	30015453820000	15D/19S/28E	11/4/2019	212.8	0.7	262.4	EW	3rd BSPG SD
Parkchester 24 23 B3AD State Com 2H	Mewbourne	30015460620000	24A/19S/28E	10/19/2019	230.3	0.6	549.2	EW	3rd BSPG SD
Lady Franklin 25 State 131H	Colgate	30015462990000	25D/19S/28E			Pending		EW	3rd BSPG SD
Lady Franklin 25 State 132H	Colgate	30015463000000	25D/19S/28E			Pending		EW	3rd BSPG SD
Lady Franklin 25 State 134H	Colgate	30015463560000	25M/19S/28E			Pending		EW	3rd BSPG SD
Lady Franklin 25 State 133H	Colgate	30015463570000	25L/19S/28E			Pending		EW	3rd BSPG SD

D.2

ATTACHMENT

# Mewbourne Oil Company

## SURVEY CALCULATION REPORT Minimum Curvature Calculations

Operator: Mewbourne Oil Company  
 Lease Name: Parkchester 24/23 B2HE State Com IH  
 KOP 7073.04  
 SL: 1860 FNL & 205 FEL Sec 24H/19S/28E  
 PBHL: 1880 FNL & 100 FWL Sec 23E/19S/28E

Target KBTVD: 7,646 Feet 7646.00  
 Target Angle: 91.74 Degrees 91.74  
 Section Plane: 269.25 Degrees  
 Declination Corrected to True North: 6.63 Degrees  
 Bit to Survey Offset: 44 Feet

Survey No.	Measured Depth-ft	Drift (Deg.)	Azimuth (Deg.)	Course Length	TVD (Feet)	Vertical Section	+N/-S (Feet)	+E/-W (Feet)	Closure Distance	Closure Direction	BUR	DLS	KBTVD	+Above -Below Target	DRIFT RADIANS	AZIMUTH RADIANS
T/I	7073.04	0.00	269.25	N/A	7073.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	7073.0	573.0	1E-12	4.70 #VALUE!
1	7164.78	9.17	269.25	91.73636	7164.4	7.3	-0.1	-7.3	7.3	269.2	10.0	10.0	7164.6	481.4	0.16011	4.70 0.1601101
2	7256.51	18.35	269.25	91.73636	7253.4	29.1	-0.4	-29.1	29.1	269.2	10.0	10.0	7254.3	391.7	0.32022	4.70 0.1601101
3	7348.25	27.52	269.25	91.73636	7337.8	64.8	-0.8	-64.8	64.8	269.2	10.0	10.0	7339.8	306.2	0.48033	4.70 0.1601101
4	7439.99	36.69	269.25	91.73636	7415.4	113.5	-1.5	-113.5	113.5	269.2	10.0	10.0	7418.9	227.1	0.64044	4.70 0.1601101
5	7531.72	45.87	269.25	91.73636	7484.3	174.0	-2.3	-174.0	174.0	269.2	10.0	10.0	7489.6	156.4	0.80055	4.70 0.1601101
6	7623.46	55.04	269.25	91.73636	7542.6	244.7	-3.2	-244.6	244.7	269.2	10.0	10.0	7550.0	96.0	0.96066	4.70 0.1601101
7	7715.20	64.22	269.25	91.73636	7589.0	323.7	-4.2	-323.7	323.7	269.2	10.0	10.0	7598.8	47.2	1.12077	4.70 0.1601101
8	7806.93	73.39	269.25	91.73636	7622.1	409.2	-5.4	-409.1	409.2	269.2	10.0	10.0	7634.5	11.5	1.28088	4.70 0.1601101
9	7898.67	82.56	269.25	91.73636	7641.2	498.8	-6.5	-498.8	498.8	269.2	10.0	10.0	7656.3	-10.3	1.44099	4.70 0.1601101
10	7990.41	91.74	269.25	91.73636	7645.7	590.3	-7.7	-590.3	590.3	269.2	10.0	10.0	7663.6	-17.6	1.6011	4.70 0.1601101
11	8000.00	91.74	269.25	9.594243	7645.4	599.9	-7.9	-599.9	599.9	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
12	8100.00	91.74	269.25	100	7642.4	699.9	-9.2	-699.8	699.9	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
13	8200.00	91.74	269.25	100	7639.4	799.8	-10.5	-799.7	799.8	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
14	8300.00	91.74	269.25	100	7636.4	899.8	-11.8	-899.7	899.8	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
15	8400.00	91.74	269.25	100	7633.3	999.7	-13.1	-999.6	999.7	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
16	8500.00	91.74	269.25	100	7630.3	1099.7	-14.4	-1099.6	1099.7	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
17	8600.00	91.74	269.25	100	7627.3	1199.6	-15.7	-1199.5	1199.6	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
18	8700.00	91.74	269.25	100	7624.2	1299.6	-17.0	-1299.5	1299.6	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
19	8800.00	91.74	269.25	100	7621.2	1399.5	-18.3	-1399.4	1399.5	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
20	8900.00	91.74	269.25	100	7618.2	1499.5	-19.6	-1499.4	1499.5	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
21	9000.00	91.74	269.25	100	7615.1	1599.4	-20.9	-1599.3	1599.4	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
22	9100.00	91.74	269.25	100	7612.1	1699.4	-22.3	-1699.3	1699.4	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
23	9200.00	91.74	269.25	100	7609.1	1799.4	-23.6	-1799.2	1799.4	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
24	9300.00	91.74	269.25	100	7606.1	1899.3	-24.9	-1899.1	1899.3	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
25	9400.00	91.74	269.25	100	7603.0	1999.3	-26.2	-1999.1	1999.3	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
26	9500.00	91.74	269.25	100	7600.0	2099.2	-27.5	-2099.0	2099.2	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
27	9600.00	91.74	269.25	100	7597.0	2199.2	-28.8	-2199.0	2199.2	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
28	9700.00	91.74	269.25	100	7593.9	2299.1	-30.1	-2298.9	2299.1	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
29	9800.00	91.74	269.25	100	7590.9	2399.1	-31.4	-2398.9	2399.1	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
30	9900.00	91.74	269.25	100	7587.9	2499.0	-32.7	-2498.8	2499.0	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
31	10000.00	91.74	269.25	100	7584.8	2599.0	-34.0	-2598.8	2599.0	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
32	10100.00	91.74	269.25	100	7581.8	2698.9	-35.3	-2698.7	2698.9	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
33	10200.00	91.74	269.25	100	7578.8	2798.9	-36.7	-2798.7	2798.9	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
34	10300.00	91.74	269.25	100	7575.8	2898.9	-38.0	-2898.6	2898.9	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
35	10400.00	91.74	269.25	100	7572.7	2998.8	-39.3	-2998.5	2998.8	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
36	10500.00	91.74	269.25	100	7569.7	3098.8	-40.6	-3098.5	3098.8	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
37	10600.00	91.74	269.25	100	7566.7	3198.7	-41.9	-3198.4	3198.7	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
38	10700.00	91.74	269.25	100	7563.6	3298.7	-43.2	-3298.4	3298.7	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
39	10800.00	91.74	269.25	100	7560.6	3398.6	-44.5	-3398.3	3398.6	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
40	10900.00	91.74	269.25	100	7557.6	3498.6	-45.8	-3498.3	3498.6	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
41	11000.00	91.74	269.25	100	7554.5	3598.5	-47.1	-3598.2	3598.5	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
42	11100.00	91.74	269.25	100	7551.5	3698.5	-48.4	-3698.2	3698.5	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
43	11200.00	91.74	269.25	100	7548.5	3798.4	-49.7	-3798.1	3798.4	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
44	11300.00	91.74	269.25	100	7545.5	3898.4	-51.1	-3898.1	3898.4	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
45	11400.00	91.74	269.25	100	7542.4	3998.3	-52.4	-3998.0	3998.3	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
46	11500.00	91.74	269.25	100	7539.4	4098.3	-53.7	-4097.9	4098.3	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
47	11600.00	91.74	269.25	100	7536.4	4198.3	-55.0	-4197.9	4198.3	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
48	11700.00	91.74	269.25	100	7533.3	4298.2	-56.3	-4297.8	4298.2	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
49	11800.00	91.74	269.25	100	7530.3	4398.2	-57.6	-4397.8	4398.2	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
50	11900.00	91.74	269.25	100	7527.3	4498.1	-58.9	-4497.7	4498.1	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
51	12000.00	91.74	269.25	100	7524.2	4598.1	-60.2	-4597.7	4598.1	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
52	12100.00	91.74	269.25	100	7521.2	4698.0	-61.5	-4697.6	4698.0	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
53	12200.00	91.74	269.25	100	7518.2	4798.0	-62.8	-4797.6	4798.0	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
54	12300.00	91.74	269.25	100	7515.2	4897.9	-64.2	-4897.5	4897.9	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
55	12400.00	91.74	269.25	100	7512.1	4997.9	-65.5	-4997.5	4997.9	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10
56	12500.00	91.74	269.25	100	7509.1	5097.8	-66.8	-5097.4	5097.8	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70 1E-10

57	12600.00	91.74	269.25	100	7506.1	5197.8	-68.1	-5197.4	5197.8	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
58	12700.00	91.74	269.25	100	7503.0	5297.8	-69.4	-5297.3	5297.8	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
59	12800.00	91.74	269.25	100	7500.0	5397.7	-70.7	-5397.2	5397.7	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
60	12900.00	91.74	269.25	100	7497.0	5497.7	-72.0	-5497.2	5497.7	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
61	13000.00	91.74	269.25	100	7493.9	5597.6	-73.3	-5597.1	5597.6	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
62	13100.00	91.74	269.25	100	7490.9	5697.6	-74.6	-5697.1	5697.6	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
63	13200.00	91.74	269.25	100	7487.9	5797.5	-75.9	-5797.0	5797.5	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
64	13300.00	91.74	269.25	100	7484.9	5897.5	-77.2	-5897.0	5897.5	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
65	13400.00	91.74	269.25	100	7481.8	5997.4	-78.6	-5996.9	5997.4	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
66	13500.00	91.74	269.25	100	7478.8	6097.4	-79.9	-6096.9	6097.4	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
67	13600.00	91.74	269.25	100	7475.8	6197.3	-81.2	-6196.8	6197.3	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
68	13700.00	91.74	269.25	100	7472.7	6297.3	-82.5	-6296.8	6297.3	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
69	13800.00	91.74	269.25	100	7469.7	6397.2	-83.8	-6396.7	6397.2	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
70	13900.00	91.74	269.25	100	7466.7	6497.2	-85.1	-6496.6	6497.2	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
71	14000.00	91.74	269.25	100	7463.6	6597.2	-86.4	-6596.6	6597.2	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
72	14100.00	91.74	269.25	100	7460.6	6697.1	-87.7	-6696.5	6697.1	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
73	14200.00	91.74	269.25	100	7457.6	6797.1	-89.0	-6796.5	6797.1	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
74	14300.00	91.74	269.25	100	7454.6	6897.0	-90.3	-6896.4	6897.0	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
75	14400.00	91.74	269.25	100	7451.5	6997.0	-91.6	-6996.4	6997.0	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
76	14500.00	91.74	269.25	100	7448.5	7096.9	-93.0	-7096.3	7096.9	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
77	14600.00	91.74	269.25	100	7445.5	7196.9	-94.3	-7196.3	7196.9	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
78	14700.00	91.74	269.25	100	7442.4	7296.8	-95.6	-7296.2	7296.8	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
79	14800.00	91.74	269.25	100	7439.4	7396.8	-96.9	-7396.2	7396.8	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
80	14900.00	91.74	269.25	100	7436.4	7496.7	-98.2	-7496.1	7496.7	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
81	15000.00	91.74	269.25	100	7433.3	7596.7	-99.5	-7596.0	7596.7	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
82	15100.00	91.74	269.25	100	7430.3	7696.6	-100.8	-7696.0	7696.6	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
83	15200.00	91.74	269.25	100	7427.3	7796.6	-102.1	-7795.9	7796.6	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
84	15300.00	91.74	269.25	100	7424.3	7896.6	-103.4	-7895.9	7896.6	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
85	15400.00	91.74	269.25	100	7421.2	7996.5	-104.7	-7995.8	7996.5	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
86	15500.00	91.74	269.25	100	7418.2	8096.5	-106.0	-8095.8	8096.5	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
87	15600.00	91.74	269.25	100	7415.2	8196.4	-107.4	-8195.7	8196.4	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
88	15700.00	91.74	269.25	100	7412.1	8296.4	-108.7	-8295.7	8296.4	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
89	15800.00	91.74	269.25	100	7409.1	8396.3	-110.0	-8395.6	8396.3	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
90	15900.00	91.74	269.25	100	7406.1	8496.3	-111.3	-8495.6	8496.3	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
91	16000.00	91.74	269.25	100	7403.0	8596.2	-112.6	-8595.5	8596.2	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
92	16100.00	91.74	269.25	100	7400.0	8696.2	-113.9	-8695.4	8696.2	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
93	16200.00	91.74	269.25	100	7397.0	8796.1	-115.2	-8795.4	8796.1	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
94	16300.00	91.74	269.25	100	7394.0	8896.1	-116.5	-8895.3	8896.1	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
95	16400.00	91.74	269.25	100	7390.9	8996.1	-117.8	-8995.3	8996.1	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
96	16500.00	91.74	269.25	100	7387.9	9096.0	-119.1	-9095.2	9096.0	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
97	16600.00	91.74	269.25	100	7384.9	9196.0	-120.4	-9195.2	9196.0	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
98	16700.00	91.74	269.25	100	7381.8	9295.9	-121.8	-9295.1	9295.9	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
99	16800.00	91.74	269.25	100	7378.8	9395.9	-123.1	-9395.1	9395.9	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
100	16900.00	91.74	269.25	100	7375.8	9495.8	-124.4	-9495.0	9495.8	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
101	17000.00	91.74	269.25	100	7372.7	9595.8	-125.7	-9595.0	9595.8	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
102	17100.00	91.74	269.25	100	7369.7	9695.7	-127.0	-9694.9	9695.7	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
103	17200.00	91.74	269.25	100	7366.7	9795.7	-128.3	-9794.8	9795.7	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
104	17300.00	91.74	269.25	100	7363.7	9895.6	-129.6	-9894.8	9895.6	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
105	17400.00	91.74	269.25	100	7360.6	9995.6	-130.9	-9994.7	9995.6	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
106	17500.00	91.74	269.25	100	7357.6	10095.5	-132.2	-10094.7	10095.5	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
107	17539.46	91.74	269.25	39.45678	7356.4	10135.0	-132.7	-10134.1	10135.0	269.2	0.0	0.0	7663.6	-17.6	1.6011	4.70	1E-10
108	17539.46	91.74	269.25	0	7356.4	10135.0	-132.7	-10134.1	10135.0	269.2 #DIV/0!	#DIV/0!	7663.6	-17.6	1.6011	4.70	1E-10	

# Mewbourne Oil Company

## SURVEY CALCULATION REPORT Minimum Curvature Calculations

Operator: Mewbourne Oil Company  
Lease Name: Parkchester 24/23 B3HE State Com 2H  
KOP 8326.54  
SL: 1890 FNL & 205 FEL Sec 24H/19S/28E  
PBHL: 1880 FNL & 100 FWL Sec 23E/19S/28E

Target KBTV: 8,804 Feet 8804.00  
Target Angle: 91.33 Degrees 91.33  
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	KBTV	+Above -Below Target	DRIFT (RADIAN)	AZIMUTH (RADIAN)
T/I	8326.54	0.00	269.42	N/A	8326.5	0.0	0.0	0.0	0.0	0.0	N/A	N/A	8326.5	477.5	1E-12	4.70 #VALUE!
1	8402.64	9.13	269.42	76.10683	8402.3	6.1	-0.1	-6.1	6.1	269.4	12.0	12.0	8402.5	401.5	0.15939778	4.70 0.1593978
2	8478.75	18.27	269.42	76.10683	8476.2	24.1	-0.2	-24.1	24.1	269.4	12.0	12.0	8476.7	327.3	0.31879556	4.70 0.1593978
3	8554.86	27.40	269.42	76.10683	8546.3	53.6	-0.5	-53.6	53.6	269.4	12.0	12.0	8547.5	256.5	0.47819334	4.70 0.1593978
4	8630.96	36.53	269.42	76.10683	8610.8	93.8	-0.9	-93.8	93.8	269.4	12.0	12.0	8612.9	191.1	0.63759112	4.70 0.1593978
5	8707.07	45.66	269.42	76.10683	8668.0	143.8	-1.5	-143.8	143.8	269.4	12.0	12.0	8671.4	132.6	0.79698889	4.70 0.1593978
6	8783.18	54.80	269.42	76.10683	8716.7	202.2	-2.0	-202.2	202.2	269.4	12.0	12.0	8721.4	82.6	0.95638669	4.70 0.1593978
7	8859.28	63.93	269.42	76.10683	8755.4	267.6	-2.7	-267.6	267.6	269.4	12.0	12.0	8761.6	42.4	1.11578447	4.70 0.1593978
8	8935.39	73.06	269.42	76.10683	8783.3	338.4	-3.4	-338.3	338.4	269.4	12.0	12.0	8791.1	12.9	1.27518225	4.70 0.1593978
9	9011.50	82.20	269.42	76.10683	8799.6	412.6	-4.2	-412.6	412.6	269.4	12.0	12.0	8809.1	-5.1	1.43458003	4.70 0.1593978
10	9087.60	91.33	269.42	76.10683	8803.9	488.5	-4.9	-488.5	488.5	269.4	12.0	12.0	8815.2	-11.2	1.59397781	4.70 0.1593978
11	9100.00	91.33	269.42	12.39649	8803.6	500.9	-5.1	-500.9	500.9	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
12	9200.00	91.33	269.42	100	8801.3	600.9	-6.1	-600.9	600.9	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
13	9300.00	91.33	269.42	100	8798.9	700.9	-7.1	-700.8	700.9	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
14	9400.00	91.33	269.42	100	8796.6	800.8	-8.1	-800.8	800.8	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
15	9500.00	91.33	269.42	100	8794.3	900.8	-9.1	-900.8	900.8	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
16	9600.00	91.33	269.42	100	8792.0	1000.8	-10.1	-1000.7	1000.8	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
17	9700.00	91.33	269.42	100	8789.7	1100.8	-11.1	-1100.7	1100.8	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
18	9800.00	91.33	269.42	100	8787.4	1200.7	-12.2	-1200.7	1200.7	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
19	9900.00	91.33	269.42	100	8785.0	1300.7	-13.2	-1300.6	1300.7	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
20	10000.00	91.33	269.42	100	8782.7	1400.7	-14.2	-1400.6	1400.7	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
21	10100.00	91.33	269.42	100	8780.4	1500.7	-15.2	-1500.6	1500.7	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
22	10200.00	91.33	269.42	100	8778.1	1600.6	-16.2	-1600.5	1600.6	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
23	10300.00	91.33	269.42	100	8775.8	1700.6	-17.2	-1700.5	1700.6	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
24	10400.00	91.33	269.42	100	8773.5	1800.6	-18.2	-1800.5	1800.6	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
25	10500.00	91.33	269.42	100	8771.1	1900.5	-19.2	-1900.5	1900.5	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
26	10600.00	91.33	269.42	100	8768.8	2000.5	-20.2	-2000.4	2000.5	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
27	10700.00	91.33	269.42	100	8766.5	2100.5	-21.3	-2100.4	2100.5	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
28	10800.00	91.33	269.42	100	8764.2	2200.5	-22.3	-2200.4	2200.5	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
29	10900.00	91.33	269.42	100	8761.9	2300.4	-23.3	-2300.3	2300.4	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
30	11000.00	91.33	269.42	100	8759.5	2400.4	-24.3	-2400.3	2400.4	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
31	11100.00	91.33	269.42	100	8757.2	2500.4	-25.3	-2500.3	2500.4	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
32	11200.00	91.33	269.42	100	8754.9	2600.4	-26.3	-2600.2	2600.4	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
33	11300.00	91.33	269.42	100	8752.6	2700.3	-27.3	-2700.2	2700.3	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
34	11400.00	91.33	269.42	100	8750.3	2800.3	-28.3	-2800.2	2800.3	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
35	11500.00	91.33	269.42	100	8748.0	2900.3	-29.4	-2900.1	2900.3	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
36	11600.00	91.33	269.42	100	8745.6	3000.3	-30.4	-3000.1	3000.3	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
37	11700.00	91.33	269.42	100	8743.3	3100.2	-31.4	-3100.1	3100.2	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
38	11800.00	91.33	269.42	100	8741.0	3200.2	-32.4	-3200.0	3200.2	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
39	11900.00	91.33	269.42	100	8738.7	3300.2	-33.4	-3300.0	3300.2	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
40	12000.00	91.33	269.42	100	8736.4	3400.1	-34.4	-3400.0	3400.1	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
41	12100.00	91.33	269.42	100	8734.0	3500.1	-35.4	-3499.9	3500.1	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
42	12200.00	91.33	269.42	100	8731.7	3600.1	-36.4	-3599.9	3600.1	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
43	12300.00	91.33	269.42	100	8729.4	3700.1	-37.4	-3699.9	3700.1	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
44	12400.00	91.33	269.42	100	8727.1	3800.0	-38.5	-3799.8	3800.0	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
45	12500.00	91.33	269.42	100	8724.8	3900.0	-39.5	-3899.8	3900.0	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
46	12600.00	91.33	269.42	100	8722.5	4000.0	-40.5	-3999.8	4000.0	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
47	12700.00	91.33	269.42	100	8720.1	4100.0	-41.5	-4099.7	4100.0	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
48	12800.00	91.33	269.42	100	8717.8	4199.9	-42.5	-4199.7	4199.9	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
49	12900.00	91.33	269.42	100	8715.5	4299.9	-43.5	-4299.7	4299.9	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
50	13000.00	91.33	269.42	100	8713.2	4399.9	-44.5	-4399.7	4399.9	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
51	13100.00	91.33	269.42	100	8710.9	4499.9	-45.5	-4499.6	4499.9	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
52	13200.00	91.33	269.42	100	8708.5	4599.8	-46.5	-4599.6	4599.8	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
53	13300.00	91.33	269.42	100	8706.2	4699.8	-47.6	-4699.6	4699.8	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
54	13400.00	91.33	269.42	100	8703.9	4799.8	-48.6	-4799.5	4799.8	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
55	13500.00	91.33	269.42	100	8701.6	4899.7	-49.6	-4899.5	4899.7	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10
56	13600.00	91.33	269.42	100	8699.3	4999.7	-50.6	-4999.5	4999.7	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70 1E-10

ATTACHMENT

E-2

57	13700.00	91.33	269.42	100	8697.0	5099.7	-51.6	-5099.4	5099.7	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
58	13800.00	91.33	269.42	100	8694.6	5199.7	-52.6	-5199.4	5199.7	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
59	13900.00	91.33	269.42	100	8692.3	5299.6	-53.6	-5299.4	5299.6	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
60	14000.00	91.33	269.42	100	8690.0	5399.6	-54.6	-5399.3	5399.6	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
61	14100.00	91.33	269.42	100	8687.7	5499.6	-55.7	-5499.3	5499.6	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
62	14200.00	91.33	269.42	100	8685.4	5599.6	-56.7	-5599.3	5599.6	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
63	14300.00	91.33	269.42	100	8683.1	5699.5	-57.7	-5699.2	5699.5	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
64	14400.00	91.33	269.42	100	8680.7	5799.5	-58.7	-5799.2	5799.5	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
65	14500.00	91.33	269.42	100	8678.4	5899.5	-59.7	-5899.2	5899.5	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
66	14600.00	91.33	269.42	100	8676.1	5999.4	-60.7	-5999.1	5999.4	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
67	14700.00	91.33	269.42	100	8673.8	6099.4	-61.7	-6099.1	6099.4	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
68	14800.00	91.33	269.42	100	8671.5	6199.4	-62.7	-6199.1	6199.4	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
69	14900.00	91.33	269.42	100	8669.1	6299.4	-63.7	-6299.0	6299.4	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
70	15000.00	91.33	269.42	100	8666.8	6399.3	-64.8	-6399.0	6399.3	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
71	15100.00	91.33	269.42	100	8664.5	6499.3	-65.8	-6499.0	6499.3	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
72	15200.00	91.33	269.42	100	8662.2	6599.3	-66.8	-6598.9	6599.3	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
73	15300.00	91.33	269.42	100	8659.9	6699.3	-67.8	-6698.9	6699.3	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
74	15400.00	91.33	269.42	100	8657.6	6799.2	-68.8	-6798.9	6799.2	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
75	15500.00	91.33	269.42	100	8655.2	6899.2	-69.8	-6898.9	6899.2	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
76	15600.00	91.33	269.42	100	8652.9	6999.2	-70.8	-6998.8	6999.2	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
77	15700.00	91.33	269.42	100	8650.6	7099.2	-71.8	-7098.8	7099.2	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
78	15800.00	91.33	269.42	100	8648.3	7199.1	-72.9	-7198.8	7199.1	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
79	15900.00	91.33	269.42	100	8646.0	7299.1	-73.9	-7298.7	7299.1	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
80	16000.00	91.33	269.42	100	8643.6	7399.1	-74.9	-7398.7	7399.1	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
81	16100.00	91.33	269.42	100	8641.3	7499.0	-75.9	-7498.7	7499.0	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
82	16200.00	91.33	269.42	100	8639.0	7599.0	-76.9	-7598.6	7599.0	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
83	16300.00	91.33	269.42	100	8636.7	7699.0	-77.9	-7698.6	7699.0	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
84	16400.00	91.33	269.42	100	8634.4	7799.0	-78.9	-7798.6	7799.0	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
85	16500.00	91.33	269.42	100	8632.1	7898.9	-79.9	-7898.5	7898.9	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
86	16600.00	91.33	269.42	100	8629.7	7998.9	-80.9	-7998.5	7998.9	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
87	16700.00	91.33	269.42	100	8627.4	8098.9	-82.0	-8098.5	8098.9	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
88	16800.00	91.33	269.42	100	8625.1	8198.9	-83.0	-8198.4	8198.9	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
89	16900.00	91.33	269.42	100	8622.8	8298.8	-84.0	-8298.4	8298.8	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
90	17000.00	91.33	269.42	100	8620.5	8398.8	-85.0	-8398.4	8398.8	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
91	17100.00	91.33	269.42	100	8618.1	8498.8	-86.0	-8498.3	8498.8	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
92	17200.00	91.33	269.42	100	8615.8	8598.7	-87.0	-8598.3	8598.7	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
93	17300.00	91.33	269.42	100	8613.5	8698.7	-88.0	-8698.3	8698.7	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
94	17400.00	91.33	269.42	100	8611.2	8798.7	-89.0	-8798.2	8798.7	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
95	17500.00	91.33	269.42	100	8608.9	8898.7	-90.1	-8898.2	8898.7	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
96	17600.00	91.33	269.42	100	8606.6	8998.6	-91.1	-8998.2	8998.6	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
97	17700.00	91.33	269.42	100	8604.2	9098.6	-92.1	-9098.1	9098.6	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
98	17800.00	91.33	269.42	100	8601.9	9198.6	-93.1	-9198.1	9198.6	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
99	17900.00	91.33	269.42	100	8599.6	9298.6	-94.1	-9298.1	9298.6	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
100	18000.00	91.33	269.42	100	8597.3	9398.5	-95.1	-9398.1	9398.5	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
101	18100.00	91.33	269.42	100	8595.0	9498.5	-96.1	-9498.0	9498.5	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
102	18200.00	91.33	269.42	100	8592.7	9598.5	-97.1	-9598.0	9598.5	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
103	18300.00	91.33	269.42	100	8590.3	9698.5	-98.1	-9698.0	9698.5	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
104	18400.00	91.33	269.42	100	8588.0	9798.4	-99.2	-9797.9	9798.4	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
105	18500.00	91.33	269.42	100	8585.7	9898.4	-100.2	-9897.9	9898.4	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
106	18600.00	91.33	269.42	100	8583.4	9998.4	-101.2	-9997.9	9998.4	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10
107	18700.00	91.33	269.42	100	8581.1	10098.3	-102.2	-10097.8	10098.3	269.4	0.0	0.0	8815.2	-11.2	1.59397781	4.70	1E-10

**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. 21723**

**SELF-AFFIRMED STATEMENT OF NOTICE**

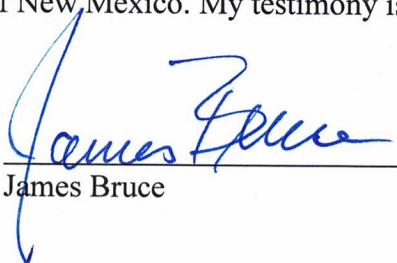
COUNTY OF SANTA FE    )  
  ) ss.  
STATE OF NEW MEXICO   )

James Bruce deposes and states:

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

Date:

3/2/24

  
\_\_\_\_\_  
James Bruce

EXHIBIT

**A**

**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](mailto:jamesbruc@aol.com)

February 11, 2021

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

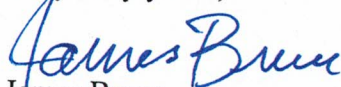
Ladies and gentlemen:

Enclosed is a copy of an application for compulsory pooling (Case No. 21723), filed with the New Mexico Oil Conservation Division by Mewbourne Oil Company, seeking to pool the Bone Spring formation underlying the S/2N/2 of Section 24 and the S/2N/2 of Section 23, Township 19 South, Range 28 East, NMPM, Eddy County, New Mexico (the Parkchester wells).

These matters are scheduled for hearing at 8:15 a.m. on Thursday, March 4, 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](http://emnrd.state.nm.us/OCD/hearings) or see the instructions posted on the Division's website, <http://emnrd.state.nm.us/OCD/announcements.html>. You are not required to attend this hearing, but as an owner of an interest who may be affected by the applications, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting these matters at a later date.

A party appearing in a Division case is required by Division Rules to file a Pre-Hearing Statement no later than Thursday, February 25, 2021. This statement may be filed online with the Division at [ocd.hearings@state.nm.us](mailto:ocd.hearings@state.nm.us), and should include: The name of the party and his or her attorney; a concise statement of the case; the name(s) of the witness(es) the party will call to testify at the hearing; the approximate time the party will need to present his or her case; and identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to the undersigned.

Very truly yours,

  
James Bruce

Attorney for Mewbourne Oil Company

ATTACHMENT

A



EXHIBIT A

EOG Resources, Inc.  
Midland Division – Land Department  
P.O. Box 2267  
Midland, Texas 79702

Marathon Oil Permian LLC  
5555 San Felipe Street  
Houston, Texas 77056

7020 0640 0000 1387 1630

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<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	\$

Postmark  
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Postage	\$
Total Postage and Fees	\$

Sent To	Marathon Oil Permian LLC
Street and Apt. No., or	5555 San Felipe Street
	Houston, Texas 77056
City, State, ZIP+4®	

7020 0640 0000 1387 1623

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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	\$

Postmark  
Here

Postage	\$
Total Postage and Fees	\$

Sent To	EOG Resources, Inc.
Street and Apt. No., or	Midland Division - Land Department
	P.O. Box 2267
	Midland, Texas 79702
City, State, ZIP+4®	

# COMPULSORY POOLING APPLICATION CHECKLIST (pdf)

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

<b>Case: #21723</b>	<b>APPLICANT'S RESPONSE</b>
<b>Date: March 4, 2021</b>	
Applicant	Mewbourne Oil Company
Designated Operator & OGRID (affiliation if applicable)	Mewbourne Oil Company, OGRID 14744
Applicant's Counsel:	James Bruce
Case Title:	APPLICATION OF MEWBOURNE OIL COMPANY FOR COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO
Entries of Appearance/Intervenors:	Marathon Oil Permian, LLC
Well Family	Parkchester
<b>Formation/Pool</b>	
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:	Scanlon Draw Bone Spring Pool, Code 55510
Well Location Setback Rules:	Standard Oil, 100' setback
Spacing Unit Size:	40 acres
<b>Spacing Unit</b>	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	320.00 acres
Building Blocks:	40 acres
Orientation:	East to West
Description: TRS/County	S/2N/2 of Section 24-T19S-R28E, Eddy County S/2N/2 of Section 23-T19S-R28E, Eddy County
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes
<b>Other Situations</b>	
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	Ex. 2-C
<b>Well(s)</b>	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	

EXHIBIT 5

Well #1	Parkchester 24/23 B2HE State Com #1H (API # 30-015-47311); SHL: 1860' FNL & 205' FEL (Sec. 24-T19S-R28E); BHL: 1880' FNL & 100' FWL (Section 23); laydown; standard
Well #2	Parkchester 24/23 B3HE State Com #2H (API # 30-015-47310); SHL: 1890' FNL & 205' FEL (Sec. 24-T19S-R28E); BHL: 1880' FNL & 100' FWL (Section 23-T19S-R28E); laydown; standard
Horizontal Well First and Last Take Points	FTP: 1880' FNL & 100' FEL (Sec. 24); LTP: 1880' FNL & 100' FWL (Sec. 23) FTP: 1880' FNL & 100' FEL (Sec. 24); LTP: 1880' FNL & 100' FWL (Sec. 23)
Completion Target (Formation, TVD and MD)	Bone Spring Formation; TVD: 7,772'; MD: 17,706' Bone Spring Formation; TVD: 8,804'; MD: 18,738'
<b>AFE Capex and Operating Costs</b>	
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
<b>Notice of Hearing</b>	
Proposed Notice of Hearing	Ex. 1
Proof of Mailed Notice of Hearing (20 days before hearing)	Ex. 4
Proof of Published Notice of Hearing (10 days before hearing)	
<b>Ownership Determination</b>	
Land Ownership Schematic of the Spacing Unit	Ex. 2-C
Tract List (including lease numbers and owners)	Ex. 2-C
Pooled Parties (including ownership type)	Ex. 2-C
Unlocatable Parties to be Pooled	N/A
Ownership Depth Severance (including percentage above & below)	N/A
<b>Joinder</b>	
Sample Copy of Proposal Letter	Ex. 2-D
List of Interest Owners (ie Exhibit A of JOA)	Ex. 2-C
Chronology of Contact with Non-Joined Working Interests	Ex. 2-D
Overhead Rates In Proposal Letter	Ex. 2-D

Cost Estimate to Drill and Complete	Ex.2-E
Cost Estimate to Equip Well	Ex. 2-E
Cost Estimate for Production Facilities	Ex. 2-E
<b>Geology</b>	
Summary (including special considerations)	Ex. 3
Spacing Unit Schematic	Ex. 3-A
Gunbarrel/Lateral Trajectory Schematic	Ex. 3-A and 3-C
Well Orientation (with rationale)	Ex. 3
Target Formation	2nd and 3rd Bone Spring Sands
HSU Cross Section	Ex. 3-C
Depth Severance Discussion	Ex. 3-C
<b>Forms, Figures and Tables</b>	
C-102	Ex. 2-B
Tracts	Ex. 2-C
Summary of Interests, Unit Recapitulation (Tracts)	Ex. 2-C
General Location Map (including basin)	Ex. 2-A
Well Bore Location Map	Ex. 2-B
Structure Contour Map - Subsea Depth	Ex. 3-A
Cross Section Location Map (including wells)	Ex. 3-C
Cross Section (including Landing Zone)	Ex. 3-C
<b>Additional Information</b>	
<b>CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.</b>	
<b>Printed Name (Attorney or Party Representative):</b>	James Bruce
<b>Signed Name (Attorney or Party Representative):</b>	
<b>Date:</b>	2-Mar-21