

CASE NOS. 21492 and 21493

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

MEWBOURNE OIL COMPANY'S EXHIBIT LIST

1. Applications and Proposed Ads
2. Landman's Affidavit (Josh Anderson)
3. Geologist's Affidavit (Charles Crosby)
4. Notice Affidavit
- 5A. Pooling Checklist – Case No. 21492
- 5B. Pooling Checklist – Case No. 21493

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

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

Case No. 21492

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 N/2S/2 of Section 13 and the N/2S/2 of Section 14, Township 18 South, Range 30 East, N.M.P.M., Eddy County, New Mexico, and in support thereof, states:

1. Applicant is an interest owner in the N/2S/2 of Section 13 and the N/2S/2 of Section 14, and has the right to drill a well thereon.
2. Applicant proposes to drill the Knox 13/14 B2IL Fed. Com. Well No. 1H to a depth sufficient to test the Bone Spring formation, and to dedicate N/2S/2 of Section 13 and the N/2S/2 of Section 14 thereto. The well has a first take point in the NE/4SE/4 of 13 and a last take point in the NW/4SW/4 of Section 14.
3. Applicant has in good faith sought to obtain the voluntary joinder of all other mineral interest owners in the N/2S/2 of Section 13 and the N/2S/2 of Section 14 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

1A

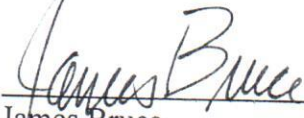
formation underlying the N/2S/2 of Section 13 and the N/2S/2 of Section 14, pursuant to NMSA 1978 §§70-2-17.

5. The pooling of all mineral interests in the Bone Spring formation underlying the N/2S/2 of Section 13 and the N/2S/2 of Section 14 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 N/2S/2 of Section 13 and the N/2S/2 of Section 14;
- B. Designating applicant as operator of the well;
- C. Considering the cost of drilling, completing, and equipping the well, and allocating the cost among the well's working interest owners;
- D. Approving actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure; and
- E. Setting a 200% charge for the risk involved in drilling, completing, and equipping the well in the event a working interest owner elects not to participate in the well.

Respectfully submitted,


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

Attorney for Mewbourne Oil Company

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 N/2S/2 of Section 13 and the N/2S/2 of Section 14, Township 18 South, Range 30 East, NMPM. The unit will be dedicated to the Knox 13/14 B2IL Fed. Com. Well No. 1H, with a first take point in the NE/4SE/4 of 13 and a last take point in the NW/4SW/4 of Section 14. Also to be considered will be the cost of drilling, completing, and equipping the well and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a 200% charge for the risk involved in drilling, completing, and equipping the well. The unit is located approximately 6 miles south-southeast of Loco Hills, New Mexico.

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

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

Case No. 21493

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/2S/2 of Section 13 and the S/2S/2 of Section 14, Township 18 South, Range 30 East, N.M.P.M., Eddy County, New Mexico, and in support thereof, states:

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EXHIBIT

1 B

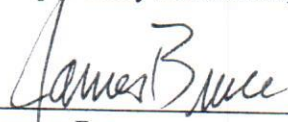
formation underlying the S/2S/2 of Section 13 and the S/2S/2 of Section 14, pursuant to NMSA 1978 §§70-2-17.

5. The pooling of all mineral interests in the Bone Spring formation underlying the S/2S/2 of Section 13 and the S/2S/2 of Section 14 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:

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- B. Designating applicant as operator of the well;
- C. Considering the cost of drilling, completing, and equipping the well, and allocating the cost among the well's working interest owners;
- D. Approving actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure; and
- E. Setting a 200% charge for the risk involved in drilling, completing, and equipping the well in the event a working interest owner elects not to participate in the well.

Respectfully submitted,



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

Attorney for Mewbourne Oil Company

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/2S/2 of Section 13 and the S/2S/2 of Section 14, Township 18 South, Range 30 East, NMPM. The unit will be dedicated to the Knox 13/14 B2PM Fed. Com. Well No. 1H, with a first take point in the SE/4SE/4 of 13 and a last take point in the SW/4SW/4 of Section 14. Also to be considered will be the cost of drilling, completing, and equipping the well and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a 200% charge for the risk involved in drilling, completing, and equipping the well. The unit is located approximately 6 miles south-southeast of Loco Hills, 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. 21492 & 21493

SELF-AFFIRMED STATEMENT OF JOSH ANDERSON

Josh Anderson, being duly sworn upon his oath, deposes and states:

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

2. Pursuant to NMAC 19.15.4.12.A(1), the following information is submitted in support of the compulsory pooling application filed herein:

(a) The purpose of this application is to force pool working interest 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 (i) are unlocatable, or (ii) have been contacted regarding the proposed well, 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 the following well units:

(a) Case 21492: Mewbourne Oil Company seeks an order pooling all mineral interests in the Bone Spring formation in a horizontal spacing unit comprised of the N/2S/2 of Section 13 and the N/2S/2 of Section 14, Township 18 South, Range 30 East, NMPM. The unit will be dedicated to the Knox 13/14 B2IL Fed. Com. Well No. 1H, with a first take point in the NE/4SE/4 of 13 and a last take point in the NW/4SW/4 of Section 14.

(b) Case 21493: Mewbourne Oil Company seeks an order pooling all mineral interests in the Bone Spring formation in a horizontal spacing unit comprised of the S/2S/2 of Section 13 and the S/2S/2 of Section 14, Township 18 South, Range 30

EXHIBIT

2

East, NMPPM. The unit will be dedicated to the Knox 13/14 B2PM Fed. Com. Well No. 1H, with a first take point in the SE/4SE/4 of 13 and a last take point in the SW/4SW/4 of Section 14.

C-102s for the wells are also part of Attachment A.

(d) The parties being pooled are set forth in Attachment B.

(e) In order to locate the interest owners Mewbourne examined the county records, performed internet searches, checked telephone records, made calls to family members, and searched Accurint and Whitepages.

(f) Attachment C is a summary of communications and a sample copy of the proposal letter sent to the interest owners.

(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 D 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.

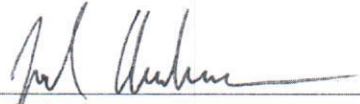
(l) Mewbourne requests that it be designated operator of the wells.

(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 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

Date: 11/3/20



Josh Anderson

WALTERS LAKE

LOOCHILLSE

MIDLAND MAP 12

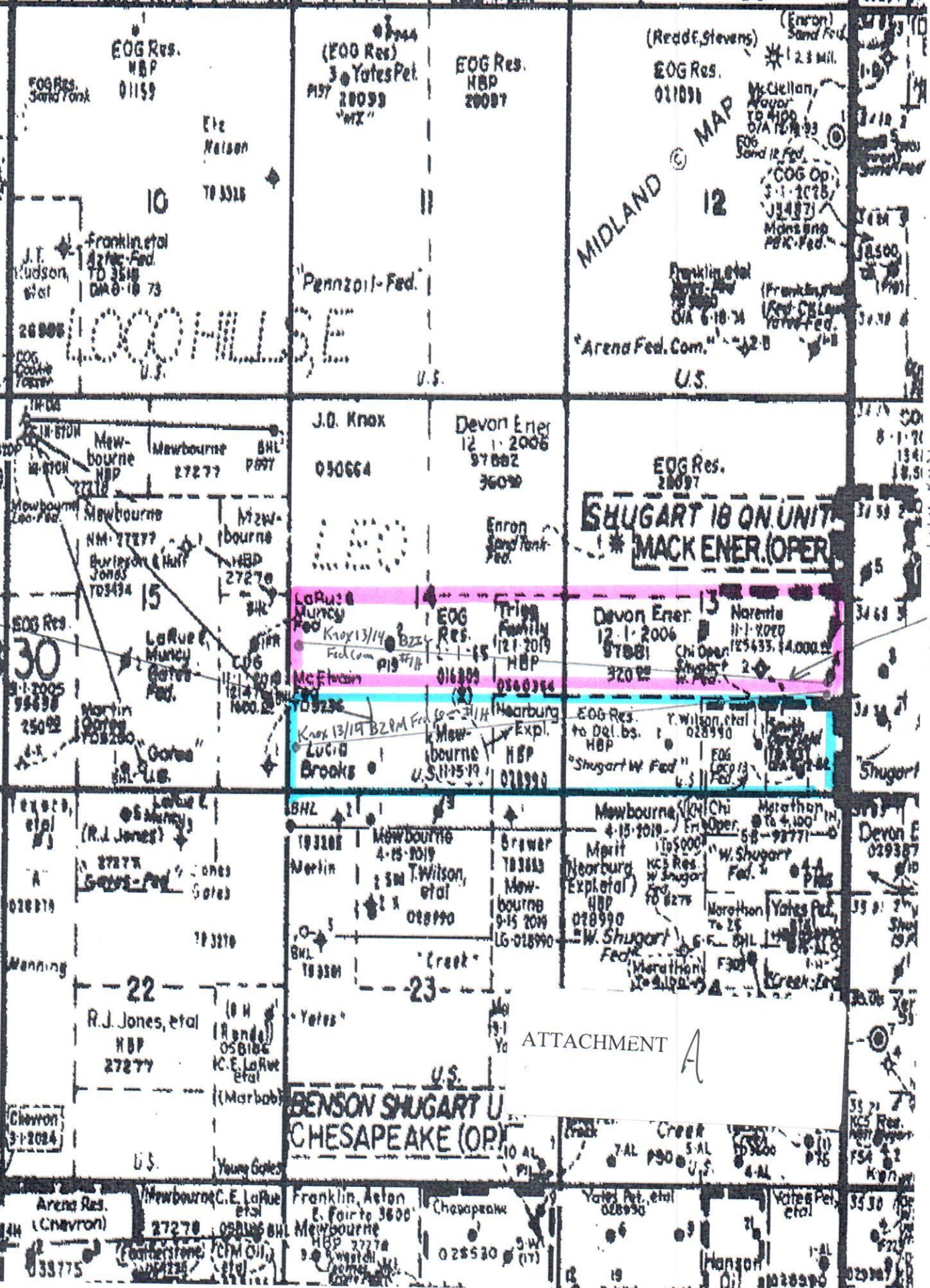
SHUGART 18 ON UNIT
* MACK ENER (OPER)

BENSON SHUGART U
CHESAPEAKE (OP)

ATTACHMENT A

Knox 13/14 B2PM Fed Com #114

Knox 13/14 B2IL Fed Com #114



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 30 015 47490		² Pool Code 56405		³ Pool Name SHUGART NORTH - BONE SPRING					
⁴ Property Code 329715		⁵ Property Name KNOX 13/14 B2IL FED COM						⁶ Well Number 1H	
⁷ GRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY						⁹ Elevation 3653'	
¹⁰ Surface Location									
UL or lot no. I	Section 13	Township 18S	Range 30E	Lot Idn	Feet from the 1425	North/South line SOUTH	Feet From the 240	East/West line EAST	County EDDY
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. L	Section 14	Township 18S	Range 30E	Lot Idn	Feet from the 1980	North/South line SOUTH	Feet from the 100	East/West line WEST	County EDDY
¹² Dedicated Acres 320		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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

16 <u>GEODETTIC DATA</u> NAD 83 GRID - NM EAST <u>SURFACE LOCATION</u> N: 634677.2 - E: 669138.5 LAT: 32.7440757° N LONG: 103.9176660° W <u>BOTTOM HOLE</u> N: 635197.6 - E: 658922.8 LAT: 32.7456119° N LONG: 103.9508852° W		<u>CORNER DATA</u> NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1916" N: 633217.8 - E: 658829.5 B: FOUND BRASS CAP "1916" N: 635857.7 - E: 658820.6 C: FOUND BRASS CAP "1916" N: 638496.0 - E: 658812.4 D: FOUND BRASS CAP "1916" N: 638504.5 - E: 661451.7 E: FOUND BRASS CAP "1916" N: 638512.4 - E: 664088.3		F: FOUND BRASS CAP "1916" N: 638522.2 - E: 666727.9 G: FOUND BRASS CAP "1916" N: 638531.3 - E: 669365.9 H: FOUND BRASS CAP "1916" N: 635892.3 - E: 669374.2 I: FOUND BRASS CAP "1916" N: 633253.1 - E: 669383.5 J: FOUND BRASS CAP "1916" N: 633243.7 - E: 666744.7 K: FOUND BRASS CAP "1916" N: 633234.8 - E: 664106.3		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with or owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>[Signature]</i> 12-13-19 Signed: 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. 11-22-2019 Date of Survey Signature and Seal of Professional Surveyor <i>[Signature]</i> ROBERT M. HOWETT NEW MEXICO 19680 PROFESSIONAL SURVEYOR							
19 S 89°49'01" W 2639.89' @ S 89°49'42" W 2637.34' @ S 89°47'14" W 2640.20' @ S 89°48'05" W 2638.66' PROJECT AREA PRODUCING AREA 100' B.H. 1980' 1425' 240' S.L. N 00°11'37" W 2640.55' @ N 00°10'42" W 2638.97' @ N 00°11'41" W 5278.85' @ N 00°10'49" W 2636.68' @ N 00°12'03" W 2639.85' @ S 89°48'55" W 5278.04' @ S 89°48'23" W 2639.09' @ S 89°47'49" W 2639.43' @							
Job No.: LS19111119							

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Revised August 1, 2011
Submit one copy to appropriate
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WELL LOCATION AND ACREAGE DEDICATION PLAT

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7 GRID NO.		8 Operator Name MEWBOURNE OIL COMPANY				9 Elevation 3652'			
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11 Bottom Hole Location If Different From Surface									
UL or lot no. M	Section 14	Township 18S	Range 30E	Lot Idn	Feet from the 660	North/South line SOUTH	Feet from the 100	East/West line WEST	County EDDY
12 Dedicated Acres		13 Joint or Infill		14 Consolidation Code		15 Order No.			

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Job No.: LS19111120

Section Plat
Knox 13/14 B2IL Fed Com #1H
N/2S/2 of Section 13 & N/2S/2 of Section 14

T18S-R30E, Eddy County, NM

Section 14			Section 13	
Tract 1	Tract 2	Tract 3	Tract 4	Tract 5

Tract 1: N/2SW/4 of Section 14 - Federal Lease NMLC 050664

Mewbourne Oil Company
Jack D. Knox
Shatbro Energy
EOG Resources, Inc.

Tract 4: N/2SW/4 of Section 13 - Federal Lease NMNM 97881

Mewbourne Oil Company
Cannon Exploration Company
The Roger T. & Holly L. Elliott Family Limited Partnership, LP

Tract 2: NW/4SE/4 of Section 14 - Federal Lease NMNM 016809

EOG Resources, Inc. *

Tract 5: N/2SE/4 of Section 13 - Federal Lease NMNM 125633

Mewbourne Oil Company

Tract 3: NE/4SE/4 of Section 14 - Federal Lease NMNM 0560354

Jolene L. Lilley and husband, Frank A. Lilley
Don C. Bell III, Trustee of The 2012 DCB3 Southwestern Irrevocable Trust
Hervey A. Priddy, Trustee of The Amsler Young Priddy Irrevocable Trust

* Pooled

ATTACHMENT B-1

RECAPITULATION FOR KNOX 13/14 B2IL FED COM #1H

Tract Number	Number of Acres Committeed	Percentage of Interest in Communitized Area
1	80	25.000000%
2	40	12.500000%
3	40	12.500000%
4	80	25.000000%
5	80	25.000000%
TOTAL	320	100.000000%

T18S-R30E, Eddy County, NM

Section 14

Section 13

Tract 1	Tract 2	Tract 3	Tract 4	Tract 5

TRACT OWNERSHIP
Knox 13/14 B2IL Fed Com #1H
N/2S/2 of Section 13 & N/2S/2 of Section 14

N/2S/2 of Section 13 & N/2S/2 of Section 14

Bone Spring Formation:

Owner	% of Leasehold Interest
Mewbourne Oil Company, et al.	87.125000%
*EOG Resources, Inc. 5509 Champions Dr. Midland, TX 79706	12.875000%

TOTAL 100.000000%

Total Interest Being Pooled: 12.875000%

OWNERSHIP BY TRACT

N/2SW/4 of Section 14

Owner	% of Leasehold Interest
Mewbourne Oil Company, et al.	98.500000%
EOG Resources, Inc. *	1.500000%
TOTAL	100.000000%

NW/4SE/4 of Section 14

Owner	% of Leasehold Interest
EOG Resources, Inc. *	100.000000%

TOTAL 100.000000%

NE/4SE/4 of Section 14

Owner	% of Leasehold Interest
Jolene & Frank Lilley, et al.	100.000000%

TOTAL 100.000000%

N/2SW/4 of Section 13

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

N/2SE/4 of Section 13

Owner	% of Leasehold Interest
Mewbourne Oil Company.	100.000000%
TOTAL	100.000000%

* Pooled

ATTACHMENT B-2

Section Plat
Knox 13/14 B2PM Fed Com #1H
S/2S/2 of Section 13 & S/2S/2 of Section 14

T18S-R30E, Eddy County, NM

Section 14			Section 13		
Tract 1	Tract 2	Tract 3	Tract 4	Tract 5	Tract 6

Tract 1: S/2SW/4 of Section 14 - Federal Lease NMLC 050664

Mewbourne Oil Company
Jack D. Knox
Sharbro Energy
EOG Resources, Inc.

Tract 2: SW/4SE/4 of Section 14 - Federal Lease NMNM 016809

EOG Resources, Inc.

Tract 3: SE/4SE/4 of Section 14 - Federal Lease NMLC 028990-A

Mewbourne Oil Company
V&B Minerals, LLC

Tract 4: S/2SW/4 of Section 13 - Federal Lease NMLC 028990-A

Mewbourne Oil Company
EOG Resources, Inc.

Tract 5: SW/4SE/4 of Section 13 - Federal Lease NMLC 028990-A

Mewbourne Oil Company
McCombs Exploration LLC
Chi Energy, Inc.
Brazos, LP
Cannon Exploration Company
Rio Pecos Corporation
Cynthia M. Wilson, Trustee of the Bypass Trust under Will of Scott E. Wilson
Tara-Jon Corporation
Paul Slayton
Gene Shumate
The Roger T. & Holly L. Elliott Family Limited Partnership, LP
EOG Resources, Inc.
Read & Stevens, Inc.

Tract 6: SE/4SE/4 of Section 13 - Federal Lease NMLC 028990-A

Mewbourne Oil Company
EOG Resources, Inc.
Rio Pecos Corporation
Cynthia M. Wilson, Trustee of the Bypass Trust under Will of Scott E. Wilson
Tara-Jon Corporation
The Roger T. & Holly L. Elliott Family Limited Partnership, LP
Cannon Exploration Company
Yates Brothers, a partnership

RECAPITULATION FOR KNOX 13/14 B2PM FED COM #1H

Tract Number	Number of Acres Committeed	Percentage of Interest in Communitized Area
1	80	25.000000%
2	40	12.500000%
3	40	12.500000%
4	80	25.000000%
5	40	12.500000%
6	40	12.500000%
TOTAL	320	100.000000%

T18S-R30E, Eddy County, NM

Section 14

Section 13

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

TRACT OWNERSHIP
S/2S/2 of Section 13 & S/2S/2 of Section 14

Bone Spring Formation:

Owner	% of Leasehold Interest
Mewbourne Oil Company, et al.	64.665568%
*EOG Resources, Inc. 5509 Champions Dr. Midland, TX 79706	35.334432%

TOTAL 100.000000%

Total Interest Being Pooled: 35.334432%

OWNERSHIP BY TRACT

S/2SW/4 of Section 14

Owner	% of Leasehold Interest
Mewbourne Oil Company, et al.	98.500000%
EOG Resources, Inc.	1.500000%
TOTAL	100.000000%

SW/4SE/4 of Section 14

Owner	% of Leasehold Interest
EOG Resources, Inc.	100.000000%

TOTAL 100.000000%

SE/4SE/4 of Section 14

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

TOTAL 100.000000%

S/2SW/4 of Section 13

Owner	% of Leasehold Interest
Mewbourne Oil Company.	25.000000%
EOG Resources, Inc.	75.000000%
TOTAL	100.000000%

SW/4SE/4 of Section 13

Owner	% of Leasehold Interest
Mewbourne Oil Company, et al.	82.824550%
EOG Resources, Inc.	17.175450%
TOTAL	100.000000%

SE/4SE/4 of Section 13

Owner	% of Leasehold Interest
Mewbourne Oil Company, et al.	87.499995%
EOG Resources, Inc.	12.500005%
TOTAL	100.000000%

Summary of Communications
Knox 13/14 B2PM Fed Com #1H
S/2S/2 of Section 13-T18S-R30E, Eddy County, NM &
S/2S/2 of Section 14-T18S-R30E, Eddy County, NM
Knox 13/14 B2IL Fed Com #1H
N/2S/2 of Section 13-T18S-R30E, Eddy County, NM &
N/2S/2 of Section 14-T18S-R30E, Eddy County, NM

EOG Resources, Inc.:

8/20/2019: Mailed a Working Interest Unit, Knox 13/14 B2IL Fed Com #1H & Knox 13/14 B2PM Fed Com #1H Well Proposals, and Joint Operating Agreement to the above listed party.

9/10/2019: Mailed a Working Interest Unit, Knox 13/14 Joint Operating Agreement to the above listed party.

9/20/2019: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.

10/29/2019: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.

12/2/2019: Received Counter Well Proposals from the above listed party.

12/10/2019: Met with above listed party regarding Working Interest Unit and Well Proposal.

12/9/2019: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.

3/19/2020: BLM approves the Knox 13/14 Development Area.

08/24/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.

09/23/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.

09/24/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.

9/30/2020: Phone correspondence with above listed party regarding Working Interest Unit and Well Proposal.

10/2/2020: Phone correspondence with above listed party regarding Working Interest Unit and Well Proposal.

10/19/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.

10/22/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.

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

ATTACHMENT

C

MEWBOURNE OIL COMPANY

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

TELEPHONE (432) 682-3715

August 20, 2019

Via Certified Mail

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

Re: Knox "13/14" B2IL Fed Com No. 1H
1360' FSL & 205' FEL (SL) (Sec. 13)
1980' FSL & 100' FWL (BHL) (Sec. 14)
Section 13/14, T18S, R30E
Eddy County, New Mexico

To Whom It May Concern:

Mewbourne Oil Company ("Mewbourne") 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 9,150 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 19,070 feet. The N/2S/2 of the captioned Section 13 and the N/2S/2 of the captioned Section 14 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling is our AFE dated July 25, 2019 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. If you decide to participate, I will forward the Joint Operating Agreement for your execution.

Should you have any questions regarding the above, please email me at 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

August 20, 2019

Via Certified Mail

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

Re: Knox "13/14" B2PM Fed Com No. 1H
1330' FSL & 205' FEL (SL) (Sec. 13)
660' FSL & 100' FWL (BHL) (Sec. 14)
Section 13/14, T18S, R30E
Eddy County, New Mexico

To Whom It May Concern:

Mewbourne Oil Company ("Mewbourne") 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 9,175 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 19,095 feet. The S/2S/2 of the captioned Section 13 and the S/2S/2 of the captioned Section 14 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling is our AFE dated July 25, 2019 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. If you decide to participate, I will forward the Joint Operating Agreement for your execution.

Should you have any questions regarding the above, please email me at 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

September 10, 2019

Via Certified Mail

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

Re: Working Interest Unit
Mewbourne's Knox 13/14 Prospect
Section 13/14, T18S, R30E
Eddy County, New Mexico

To Whom It May Concern:

Enclosed for your further handling regarding the captioned prospect and lands is our Operating Agreement dated August 15, 2019, along with an extra set of signature pages. The Operating Agreement is to coincide with the well proposals/AFEs I sent by letters dated August 20, 2019.

Regarding the above, please have the AFE, Operating Agreement and extra set of signature pages executed and return only the extra set of signature pages and AFE to me whereby you will retain the Operating Agreement for your file.

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

Sincerely,

MEWBOURNE OIL COMPANY



Josh Anderson
Landman

MEWBORNE OIL COMPANY
AUTHORIZATION FOR EXPENDITURE

Well Name: KNOX 13/14 B2IL FED COM #1H		Prospect: 2nd BSS	
Location: SL: 1360 FSL & 205 FEL (13); BHL: 1980 FSL & 100 FWL (14)		County: Eddy	ST: NM
Sec. 13/14	Blk: 	Survey: 	TWP: 18S RNG: 30E Prop. TVD: 9150 TMD: 19070

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$20,000	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 32 days drlg / 3 days comp @ \$21500/d		0180-0110	\$735,000	0180-0210	\$68,900
Fuel 1700 gal/day @ 2.74/gal		0180-0114	\$179,200	0180-0214	\$390,000
Mud, Chemical & Additives		0180-0120	\$225,000	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 46 Stg 18.9 MM gal / 18.9 MM lb				0180-0241	\$1,920,000
Stimulation Rentals & Other				0180-0242	\$200,000
Water & Other		0180-0145	\$60,000	0180-0245	\$600,000
Bits		0180-0148	\$138,880	0180-0248	\$8,000
Inspection & Repair Services		0180-0150	\$40,000	0180-0250	\$5,000
Misc. Air & Pumping Services		0180-0154		0180-0254	\$10,000
Testing & Flowback Services		0180-0158	\$15,000	0180-0258	\$30,000
Completion / Workover Rig				0180-0260	\$10,500
Rig Mobilization		0180-0164	\$150,000		
Transportation		0180-0165	\$30,000	0180-0265	\$20,000
Welding Services		0180-0168	\$5,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170	\$51,000	0180-0270	\$31,500
Directional Services Includes Vertical Control		0180-0175	\$304,500		
Equipment Rental		0180-0180	\$256,900	0180-0280	\$30,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$5,800	0180-0285	
Intangible Supplies		0180-0188	\$8,000	0180-0288	\$10,000
Damages		0180-0190	\$5,000	0180-0290	
ROW & Easements		0180-0192		0180-0292	\$5,000
Pipeline Interconnect				0180-0293	
Company Supervision		0180-0195	\$183,200	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	\$57,200	0180-0299	\$85,400
TOTAL			\$2,917,180		\$4,355,100

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0") 575' - 13 3/8" 54.5# J-55 ST&C @ \$38.48/ft		0181-0794	\$23,700		
Casing (8.1" - 10.0") 1900' - 9 5/8" 36# J-55 LT&C @ \$24.67/ft		0181-0795	\$50,100		
Casing (6.1" - 8.0") 9410' - 7" 29# HCP-110 LT&C @ \$23.84/ft		0181-0796	\$239,600		
Casing (4.1" - 6.0") 10250' - 4 1/2" 13.5# P-110 BPN @ \$12.16/ft				0181-0797	\$133,200
Tubing 8610' - 2 7/8" 6.5# L-80 EUE 8rd @ \$5.38/ft				0181-0798	\$49,500
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 Packer				0181-0880	\$10,000
Artificial Lift Systems Gas Lift Valves				0181-0884	\$15,000
Pumping Unit				0181-0885	
Surface Pumps & Prime Movers (1/2) VRU/SWD Pump/Circ Pump				0181-0886	\$35
Tanks - Oil (1/2) 6 - 750 bbl				0181-0890	\$64,000
Tanks - Water (1/2) 6 - 750 bbl coated				0181-0891	\$56,500
Separation / Treating Equipment 30"x10"x1k# 3 ph/36"x15"x1k#				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	\$37,500
Fittings / Valves & Accessories				0181-0905	\$87,500
Cathodic Protection Includes Automation				0181-0908	\$125,000
Electrical Installation				0181-0909	\$50,000
Equipment Installation				0181-0910	\$62,500
Pipeline Construction				0181-0920	\$50,000
TOTAL			\$353,400		\$997,735
SUBTOTAL			\$3,270,580		\$5,352,835
TOTAL WELL COST			\$8,623,415		

Extra Expense Insurance

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

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

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

Prepared by: <u>T. Cude</u>	Date: <u>7/25/2019</u>
Company Approval: <u><i>m. white</i></u>	Date: <u>7/25/2019</u>

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

ATTACHMENT D-1

MEWBOURNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

Well Name: KNOX 13/14 B2PM FED COM #1H		Prospect: 2nd BSS	
Location: SL: 1330 FSL & 205 FEL (13); BHL: 660 FSL & 100 FWL (14)		County: Eddy	ST: NM
Sec. 13/14	Blk: 	Survey: 	TWP: 18S RNG: 30E Prop. TVD: 9175 TMD: 19095

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$20,000	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	32 days drlg / 3 days comp @ \$21500/d	0180-0110	\$735,000	0180-0210	\$68,900
Fuel	1700 gal/day @ 2.74/gal	0180-0114	\$179,200	0180-0214	\$390,000
Mud, Chemical & Additives		0180-0120	\$225,000	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	48 Stg 18.9 MM gal / 18.9 MM lb			0180-0241	\$1,020,000
Stimulation Rentals & Other				0180-0242	\$200,000
Water & Other		0180-0145	\$60,000	0180-0245	\$600,000
Bits		0180-0148	\$138,880	0180-0248	\$8,000
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Testing & Flowback Services		0180-0158	\$15,000	0180-0258	\$30,000
Completion / Workover Rig				0180-0260	\$10,500
Rig Mobilization		0180-0164	\$150,000		
Transportation		0180-0165	\$30,000	0180-0265	\$20,000
Welding Services		0180-0168	\$5,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170	\$51,000	0180-0270	\$31,500
Directional Services	Includes Vertical Control	0180-0175	\$304,500		
Equipment Rental		0180-0180	\$256,900	0180-0280	\$30,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$5,800	0180-0285	
Intangible Supplies		0180-0188	\$8,000	0180-0288	\$10,000
Damages		0180-0190	\$5,000	0180-0290	
ROW & Easements		0180-0192		0180-0292	\$5,000
Pipeline Interconnect				0180-0293	
Company Supervision		0180-0195	\$163,200	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	\$57,200	0180-0299	\$85,400
TOTAL			\$2,917,180		\$4,355,100

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0")	575' - 13 3/8" 54.5# J-55 ST&C @ \$38.48/ft	0181-0794	\$23,700		
Casing (8.1" - 10.0")	1900' - 9 5/8" 36# J-55 LT&C @ \$24.67/ft	0181-0795	\$50,100		
Casing (6.1" - 8.0")	9430' - 7" 29# HCP-110 LT&C @ \$23.84/ft	0181-0796	\$240,100		
Casing (4.1" - 6.0")	10250' - 4 1/2" 13.5# P-110 BPN @ \$12.16/ft			0181-0797	\$133,200
Tubing	8630' - 2 7/8" 6.5# L-80 EUE 8rd @ \$5.38/ft			0181-0798	\$49,600
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	Packer			0181-0880	\$10,000
Artificial Lift Systems	Gas Lift Valves			0181-0884	\$15,000
Pumping Unit				0181-0885	
Surface Pumps & Prime Movers	(1/2) VRU/SWD Pump/Circ Pump			0181-0886	\$35,000
Tanks - Oil	(1/2) 6 - 750 bbl			0181-0890	\$64,000
Tanks - Water	(1/2) 6 - 750 bbl coated			0181-0891	\$56,500
Separation / Treating Equipment	30"x10"x1k# 3 ph/36"x15"x1k#			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	\$37,500
Fittings / Valves & Accessories				0181-0906	\$87,500
Cathodic Protection	Includes Automation			0181-0908	\$125,000
Electrical Installation				0181-0909	\$50,000
Equipment Installation				0181-0910	\$62,500
Pipeline Construction				0181-0920	\$50,000
TOTAL			\$353,900		\$1,032,800
SUBTOTAL			\$3,271,080		\$5,387,900
TOTAL WELL COST			\$8,658,980		

Extra Expense Insurance

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

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

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

Prepared by: <u>T. Cude</u>	Date: <u>7/26/2019</u>
Company Approval: <u><i>m. white</i></u>	Date: <u>7/25/2019</u>
Joint Owner Interest: _____ Amount: _____	Signature: _____
Joint Owner Name: _____	

ATTACHMENT D-2

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

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

Case Nos. 21492 & 21493

SELF-AFFIRMED STATEMENT OF CHARLES CROSBY

COUNTY OF MIDLAND)
) ss.
STATE OF TEXAS)

Charles Crosby deposes and states:

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

EXHIBIT 3

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

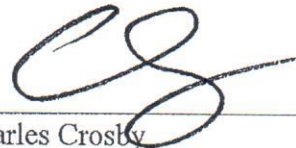
5. Attachment D contains information from other Second Bone Spring Sand wells drilled in this area. There are both standup and laydown Bone Spring wells in this area, but with a preference for lay down wells.

6. Attachment E contains the horizontal drilling plans for the proposed wells. The producing interval 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.

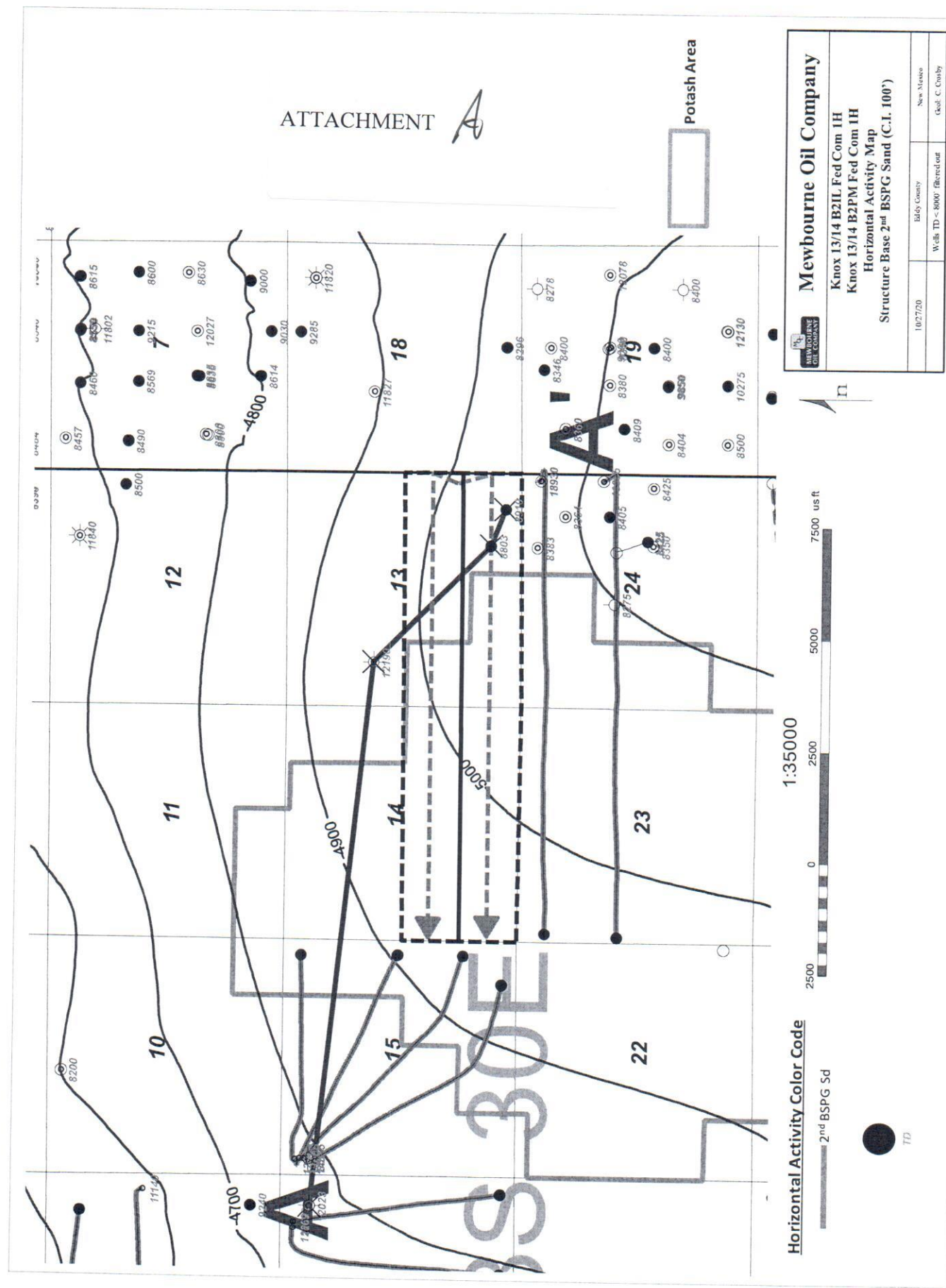
Date:

11/3/20

A handwritten signature in black ink, appearing to be 'C Crosby', written over a horizontal line.

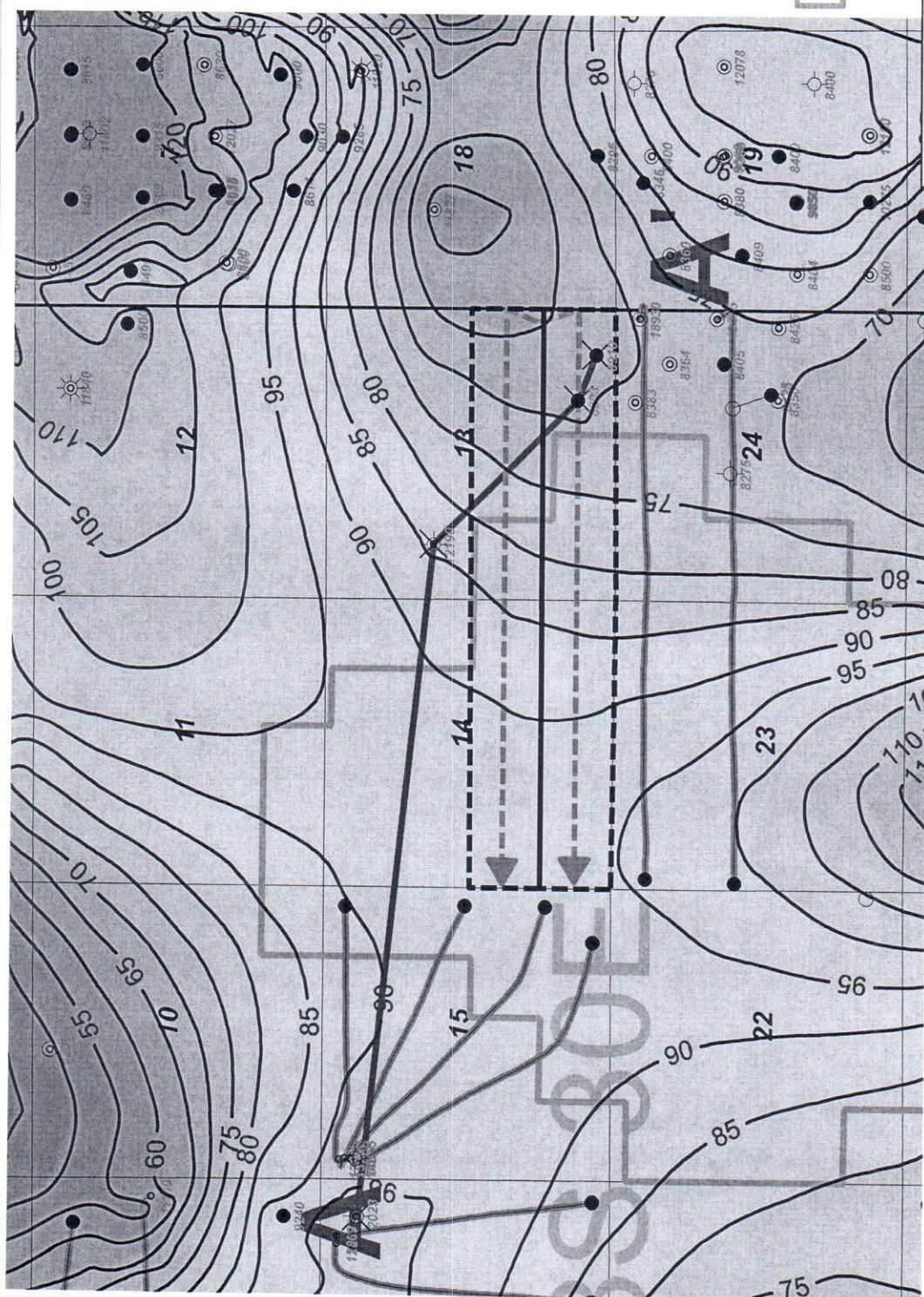
Charles Crosby

ATTACHMENT *A*



ATTACHMENT 13

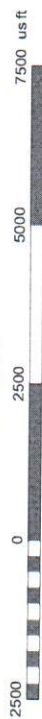
Potash Area



Horizontal Activity Color Code



1:35000



Lower 2nd BSPG Sd Isopach (C.I. 5)
Color Filled Contour



Entity

TD

Mewbourne Oil Company

Knox 13/14 B2IL Fed Com 1H
Knox 13/14 B2PM Fed Com 1H
Horizontal Activity Map
Lower 2nd BSPG SD Gross Thickness (C.I. 5')

10/27/20	Eddy County	New Mexico	Geol. C. Chubb
Well TD - 8000' filtered out			

Knox Area 2nd Bone Spring Sand Horizontal Production Table									
Well Name	Operator	API	Location	Completion Date	Cum Oil (Mbo)	Cum Gas (Bcf)	Cum Water (Mbw)	NS/EW	Production Zone
Sand Tank 9 Federal Com 1H	EOG	30015362700000	9D/18S/30E	10/18/2008	70.2	0.10	13.9	EW	2nd BSPG SD
Sand Tank 9 Federal 2H	EOG	30015365810000	9H/18S/30E	2/4/2009	29.1	0.04	18.2	EW	2nd BSPG SD
Leo 15 DA Federal Com 1H	Mewbourne	30015421850000	15D/18S/30E	9/1/2014	294.1	0.60	77.4	EW	2nd BSPG SD
Cookie Tosser State Com 1H	Concho	30015424390000	16A/18S/30E	4/17/2016	141.5	0.30	90.5	NS	2nd BSPG SD
Cookie Tosser State Com 1H	Concho	30015424400000	16A/18S/30E	4/20/2016	124.1	0.30	105.8	NS	2nd BSPG SD
Leo 15 B2DH Federal Com 1H	Mewbourne	30015428980000	15D/18S/30E	3/27/2016	364.1	1.10	91.1	NWSE	2nd BSPG SD
Leo 15 B2DP Federal Com 1H	Mewbourne	30015432410000	15D/18S/30E	1/17/2016	281.2	1.00	77.9	NWSE	2nd BSPG SD
Leo 15 B2DN Federal Com 1H	Mewbourne	30015433120100	15D/18S/30E	1/24/2016	337.7	0.80	104.4	NWSE	2nd BSPG SD
Virgo 24/23 B2AD Federal Com 1H	Mewbourne	30015445790000	24A/18S/30E	10/4/2018	449.5	0.60	297.0	EW	2nd BSPG SD
Virgo 24/23 B2HE Federal Com 1H	Mewbourne	30015446550000	24H/18S/30E	3/21/2019	372.8	0.50	221.6	EW	2nd BSPG SD

ATTACHMENT D

Mewbourne Oil Company

Eddy County, New Mexico NAD 83

Knox 13/14 B2IL Fed Com #1H

Sec 13, T18S, R30E

SHL: 1425' FSL & 240' FEL, Sec 13

BHL: 1980' FSL & 100' FWL, Sec 14

Plan: Design #1

Standard Planning Report

22 January, 2020

ATTACHMENT *E*

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Knox 13/14 B2IL Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3681.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3681.0usft (Original Well Elev)
Site:	Knox 13/14 B2IL Fed Com #1H	North Reference:	Grid
Well:	Sec 13, T18S, R30E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 1980' FSL & 100' FWL, Sec 14		
Design:	Design #1		

Project	Eddy County, New Mexico NAD 83		
Map System:	US State Plane 1983	System Datum:	Ground Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Knox 13/14 B2IL Fed Com #1H			
Site Position:		Northing:	634,677.00 usft	Latitude: 32.7440751
From:	Map	Easting:	669,139.00 usft	Longitude: -103.9176642
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.22 °

Well	Sec 13, T18S, R30E			
Well Position	+N/-S	0.0 usft	Northing:	634,677.00 usft
	+E/-W	0.0 usft	Easting:	669,139.00 usft
Position Uncertainty	0.0 usft		Wellhead Elevation:	3,681.0 usft
			Ground Level:	3,653.0 usft

Wellbore	BHL: 1980' FSL & 100' FWL, Sec 14				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.35	60.52	48,509

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	272.92

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
570.0	0.00	0.00	570.0	0.0	0.0	0.00	0.00	0.00	0.00	
884.5	4.72	22.21	884.1	12.0	4.9	1.50	1.50	0.00	22.21	
7,872.9	4.72	22.21	7,848.9	544.0	222.1	0.00	0.00	0.00	0.00	
8,187.4	0.00	0.00	8,163.0	556.0	227.0	1.50	-1.50	0.00	180.00	KOP: 1980' FSL & 10'
8,941.6	90.59	269.81	8,640.0	554.4	-255.0	12.01	12.01	0.00	-90.19	
18,903.3	90.59	269.81	8,537.0	521.0	-10,216.0	0.00	0.00	0.00	0.00	BHL: 1980' FSL & 10'

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Knox 13/14 B2IL Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3681.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3681.0usft (Original Well Elev)
Site:	Knox 13/14 B2IL Fed Com #1H	North Reference:	Grid
Well:	Sec 13, T18S, R30E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 1980' FSL & 100' FWL, Sec 14		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
SHL: 1425' FSL & 240' FEL (13)									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
570.0	0.00	0.00	570.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.45	22.21	600.0	0.1	0.0	0.0	1.50	1.50	0.00
700.0	1.95	22.21	700.0	2.0	0.8	-0.7	1.50	1.50	0.00
800.0	3.45	22.21	799.9	6.4	2.6	-2.3	1.50	1.50	0.00
884.5	4.72	22.21	884.1	12.0	4.9	-4.3	1.50	1.50	0.00
900.0	4.72	22.21	899.6	13.2	5.4	-4.7	0.00	0.00	0.00
1,000.0	4.72	22.21	999.3	20.8	8.5	-7.4	0.00	0.00	0.00
1,100.0	4.72	22.21	1,098.9	28.4	11.6	-10.1	0.00	0.00	0.00
1,200.0	4.72	22.21	1,198.6	36.0	14.7	-12.8	0.00	0.00	0.00
1,300.0	4.72	22.21	1,298.2	43.6	17.8	-15.6	0.00	0.00	0.00
1,400.0	4.72	22.21	1,397.9	51.2	20.9	-18.3	0.00	0.00	0.00
1,500.0	4.72	22.21	1,497.6	58.8	24.0	-21.0	0.00	0.00	0.00
1,600.0	4.72	22.21	1,597.2	66.5	27.1	-23.7	0.00	0.00	0.00
1,700.0	4.72	22.21	1,696.9	74.1	30.2	-26.4	0.00	0.00	0.00
1,800.0	4.72	22.21	1,796.5	81.7	33.3	-29.1	0.00	0.00	0.00
1,900.0	4.72	22.21	1,896.2	89.3	36.5	-31.9	0.00	0.00	0.00
2,000.0	4.72	22.21	1,995.9	96.9	39.6	-34.6	0.00	0.00	0.00
2,100.0	4.72	22.21	2,095.5	104.5	42.7	-37.3	0.00	0.00	0.00
2,200.0	4.72	22.21	2,195.2	112.1	45.8	-40.0	0.00	0.00	0.00
2,300.0	4.72	22.21	2,294.9	119.7	48.9	-42.7	0.00	0.00	0.00
2,400.0	4.72	22.21	2,394.5	127.4	52.0	-45.4	0.00	0.00	0.00
2,500.0	4.72	22.21	2,494.2	135.0	55.1	-48.2	0.00	0.00	0.00
2,600.0	4.72	22.21	2,593.8	142.6	58.2	-50.9	0.00	0.00	0.00
2,700.0	4.72	22.21	2,693.5	150.2	61.3	-53.6	0.00	0.00	0.00
2,800.0	4.72	22.21	2,793.2	157.8	64.4	-56.3	0.00	0.00	0.00
2,900.0	4.72	22.21	2,892.8	165.4	67.5	-59.0	0.00	0.00	0.00
3,000.0	4.72	22.21	2,992.5	173.0	70.6	-61.7	0.00	0.00	0.00
3,100.0	4.72	22.21	3,092.1	180.7	73.8	-64.5	0.00	0.00	0.00
3,200.0	4.72	22.21	3,191.8	188.3	76.9	-67.2	0.00	0.00	0.00
3,300.0	4.72	22.21	3,291.5	195.9	80.0	-69.9	0.00	0.00	0.00
3,400.0	4.72	22.21	3,391.1	203.5	83.1	-72.6	0.00	0.00	0.00
3,500.0	4.72	22.21	3,490.8	211.1	86.2	-75.3	0.00	0.00	0.00
3,600.0	4.72	22.21	3,590.4	218.7	89.3	-78.0	0.00	0.00	0.00
3,700.0	4.72	22.21	3,690.1	226.3	92.4	-80.8	0.00	0.00	0.00
3,800.0	4.72	22.21	3,789.8	233.9	95.5	-83.5	0.00	0.00	0.00
3,900.0	4.72	22.21	3,889.4	241.6	98.6	-86.2	0.00	0.00	0.00
4,000.0	4.72	22.21	3,989.1	249.2	101.7	-88.9	0.00	0.00	0.00
4,100.0	4.72	22.21	4,088.8	256.8	104.8	-91.6	0.00	0.00	0.00
4,200.0	4.72	22.21	4,188.4	264.4	107.9	-94.3	0.00	0.00	0.00
4,300.0	4.72	22.21	4,288.1	272.0	111.1	-97.1	0.00	0.00	0.00
4,400.0	4.72	22.21	4,387.7	279.6	114.2	-99.8	0.00	0.00	0.00
4,500.0	4.72	22.21	4,487.4	287.2	117.3	-102.5	0.00	0.00	0.00
4,600.0	4.72	22.21	4,587.1	294.8	120.4	-105.2	0.00	0.00	0.00
4,700.0	4.72	22.21	4,686.7	302.5	123.5	-107.9	0.00	0.00	0.00
4,800.0	4.72	22.21	4,786.4	310.1	126.6	-110.6	0.00	0.00	0.00
4,900.0	4.72	22.21	4,886.0	317.7	129.7	-113.4	0.00	0.00	0.00
5,000.0	4.72	22.21	4,985.7	325.3	132.8	-116.1	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Knox 13/14 B2IL Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3681.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3681.0usft (Original Well Elev)
Site:	Knox 13/14 B2IL Fed Com #1H	North Reference:	Grid
Well:	Sec 13, T18S, R30E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 1980' FSL & 100' FWL, Sec 14		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,100.0	4.72	22.21	5,085.4	332.9	135.9	-118.8	0.00	0.00	0.00	
5,200.0	4.72	22.21	5,185.0	340.5	139.0	-121.5	0.00	0.00	0.00	
5,300.0	4.72	22.21	5,284.7	348.1	142.1	-124.2	0.00	0.00	0.00	
5,400.0	4.72	22.21	5,384.4	355.8	145.2	-126.9	0.00	0.00	0.00	
5,500.0	4.72	22.21	5,484.0	363.4	148.4	-129.7	0.00	0.00	0.00	
5,600.0	4.72	22.21	5,583.7	371.0	151.5	-132.4	0.00	0.00	0.00	
5,700.0	4.72	22.21	5,683.3	378.6	154.6	-135.1	0.00	0.00	0.00	
5,800.0	4.72	22.21	5,783.0	386.2	157.7	-137.8	0.00	0.00	0.00	
5,900.0	4.72	22.21	5,882.7	393.8	160.8	-140.5	0.00	0.00	0.00	
6,000.0	4.72	22.21	5,982.3	401.4	163.9	-143.2	0.00	0.00	0.00	
6,100.0	4.72	22.21	6,082.0	409.0	167.0	-146.0	0.00	0.00	0.00	
6,200.0	4.72	22.21	6,181.6	416.7	170.1	-148.7	0.00	0.00	0.00	
6,300.0	4.72	22.21	6,281.3	424.3	173.2	-151.4	0.00	0.00	0.00	
6,400.0	4.72	22.21	6,381.0	431.9	176.3	-154.1	0.00	0.00	0.00	
6,500.0	4.72	22.21	6,480.6	439.5	179.4	-156.8	0.00	0.00	0.00	
6,600.0	4.72	22.21	6,580.3	447.1	182.5	-159.5	0.00	0.00	0.00	
6,700.0	4.72	22.21	6,679.9	454.7	185.7	-162.3	0.00	0.00	0.00	
6,800.0	4.72	22.21	6,779.6	462.3	188.8	-165.0	0.00	0.00	0.00	
6,900.0	4.72	22.21	6,879.3	470.0	191.9	-167.7	0.00	0.00	0.00	
7,000.0	4.72	22.21	6,978.9	477.6	195.0	-170.4	0.00	0.00	0.00	
7,100.0	4.72	22.21	7,078.6	485.2	198.1	-173.1	0.00	0.00	0.00	
7,200.0	4.72	22.21	7,178.3	492.8	201.2	-175.8	0.00	0.00	0.00	
7,300.0	4.72	22.21	7,277.9	500.4	204.3	-178.6	0.00	0.00	0.00	
7,400.0	4.72	22.21	7,377.6	508.0	207.4	-181.3	0.00	0.00	0.00	
7,500.0	4.72	22.21	7,477.2	515.6	210.5	-184.0	0.00	0.00	0.00	
7,600.0	4.72	22.21	7,576.9	523.2	213.6	-186.7	0.00	0.00	0.00	
7,700.0	4.72	22.21	7,676.6	530.9	216.7	-189.4	0.00	0.00	0.00	
7,800.0	4.72	22.21	7,776.2	538.5	219.8	-192.1	0.00	0.00	0.00	
7,872.9	4.72	22.21	7,848.9	544.0	222.1	-194.1	0.00	0.00	0.00	
7,900.0	4.31	22.21	7,875.9	546.0	222.9	-194.8	1.50	-1.50	0.00	
8,000.0	2.81	22.21	7,975.7	551.7	225.3	-196.9	1.50	-1.50	0.00	
8,100.0	1.31	22.21	8,075.6	555.1	226.6	-198.1	1.50	-1.50	0.00	
8,187.4	0.00	0.00	8,163.0	556.0	227.0	-198.4	1.50	-1.50	0.00	
KOP: 1980' FSL & 10' FEL (13)										
8,200.0	1.52	269.81	8,175.6	556.0	226.8	-198.2	12.01	12.01	0.00	
8,300.0	13.53	269.81	8,274.6	556.0	213.8	-185.2	12.01	12.01	0.00	
8,400.0	25.54	269.81	8,368.7	555.8	180.4	-151.9	12.01	12.01	0.00	
8,483.5	35.57	269.81	8,440.5	555.7	138.0	-109.5	12.01	12.01	0.00	
FTP: 1980' FSL & 100' FEL (13)										
8,500.0	37.55	269.81	8,453.7	555.7	128.2	-99.7	12.01	12.01	0.00	
8,600.0	49.56	269.81	8,526.1	555.4	59.4	-31.0	12.01	12.01	0.00	
8,700.0	61.57	269.81	8,582.5	555.2	-22.9	51.2	12.01	12.01	0.00	
8,800.0	73.58	269.81	8,620.6	554.9	-115.2	143.3	12.01	12.01	0.00	
8,900.0	85.59	269.81	8,638.6	554.5	-213.4	241.3	12.01	12.01	0.00	
8,941.7	90.59	269.81	8,640.0	554.4	-255.0	282.9	12.00	12.00	0.00	
LP: 1980' FSL & 495' FEL (13)										
9,000.0	90.59	269.81	8,639.4	554.2	-313.3	341.1	0.00	0.00	0.00	
9,100.0	90.59	269.81	8,638.4	553.9	-413.3	441.0	0.00	0.00	0.00	
9,200.0	90.59	269.81	8,637.3	553.5	-513.3	540.8	0.00	0.00	0.00	
9,300.0	90.59	269.81	8,636.3	553.2	-613.3	640.7	0.00	0.00	0.00	
9,400.0	90.59	269.81	8,635.3	552.8	-713.3	740.5	0.00	0.00	0.00	
9,500.0	90.59	269.81	8,634.2	552.5	-813.3	840.4	0.00	0.00	0.00	
9,600.0	90.59	269.81	8,633.2	552.2	-913.3	940.2	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Knox 13/14 B2IL Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3681.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3681.0usft (Original Well Elev)
Site:	Knox 13/14 B2IL Fed Com #1H	North Reference:	Grid
Well:	Sec 13, T18S, R30E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 1980' FSL & 100' FWL, Sec 14		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,700.0	90.59	269.81	8,632.2	551.8	-1,013.3	1,040.1	0.00	0.00	0.00	
9,800.0	90.59	269.81	8,631.1	551.5	-1,113.3	1,139.9	0.00	0.00	0.00	
9,900.0	90.59	269.81	8,630.1	551.2	-1,213.3	1,239.8	0.00	0.00	0.00	
10,000.0	90.59	269.81	8,629.1	550.8	-1,313.3	1,339.6	0.00	0.00	0.00	
10,100.0	90.59	269.81	8,628.0	550.5	-1,413.3	1,439.5	0.00	0.00	0.00	
10,200.0	90.59	269.81	8,627.0	550.2	-1,513.3	1,539.3	0.00	0.00	0.00	
10,300.0	90.59	269.81	8,626.0	549.8	-1,613.3	1,639.2	0.00	0.00	0.00	
10,400.0	90.59	269.81	8,624.9	549.5	-1,713.2	1,739.0	0.00	0.00	0.00	
10,500.0	90.59	269.81	8,623.9	549.2	-1,813.2	1,838.9	0.00	0.00	0.00	
10,600.0	90.59	269.81	8,622.9	548.8	-1,913.2	1,938.7	0.00	0.00	0.00	
10,700.0	90.59	269.81	8,621.8	548.5	-2,013.2	2,038.6	0.00	0.00	0.00	
10,800.0	90.59	269.81	8,620.8	548.2	-2,113.2	2,138.4	0.00	0.00	0.00	
10,900.0	90.59	269.81	8,619.8	547.8	-2,213.2	2,238.2	0.00	0.00	0.00	
11,000.0	90.59	269.81	8,618.7	547.5	-2,313.2	2,338.1	0.00	0.00	0.00	
11,087.8	90.59	269.81	8,617.8	547.2	-2,401.0	2,425.8	0.00	0.00	0.00	
PPP2: 1980' FSL & 2640' FWL (13)										
11,100.0	90.59	269.81	8,617.7	547.2	-2,413.2	2,437.9	0.00	0.00	0.00	
11,200.0	90.59	269.81	8,616.6	546.8	-2,513.2	2,537.8	0.00	0.00	0.00	
11,300.0	90.59	269.81	8,615.6	546.5	-2,613.2	2,637.6	0.00	0.00	0.00	
11,400.0	90.59	269.81	8,614.6	546.1	-2,713.2	2,737.5	0.00	0.00	0.00	
11,500.0	90.59	269.81	8,613.5	545.8	-2,813.2	2,837.3	0.00	0.00	0.00	
11,600.0	90.59	269.81	8,612.5	545.5	-2,913.2	2,937.2	0.00	0.00	0.00	
11,700.0	90.59	269.81	8,611.5	545.1	-3,013.2	3,037.0	0.00	0.00	0.00	
11,800.0	90.59	269.81	8,610.4	544.8	-3,113.2	3,136.9	0.00	0.00	0.00	
11,900.0	90.59	269.81	8,609.4	544.5	-3,213.2	3,236.7	0.00	0.00	0.00	
12,000.0	90.59	269.81	8,608.4	544.1	-3,313.2	3,336.6	0.00	0.00	0.00	
12,100.0	90.59	269.81	8,607.3	543.8	-3,413.1	3,436.4	0.00	0.00	0.00	
12,200.0	90.59	269.81	8,606.3	543.5	-3,513.1	3,536.3	0.00	0.00	0.00	
12,300.0	90.59	269.81	8,605.3	543.1	-3,613.1	3,636.1	0.00	0.00	0.00	
12,400.0	90.59	269.81	8,604.2	542.8	-3,713.1	3,736.0	0.00	0.00	0.00	
12,500.0	90.59	269.81	8,603.2	542.5	-3,813.1	3,835.8	0.00	0.00	0.00	
12,600.0	90.59	269.81	8,602.2	542.1	-3,913.1	3,935.7	0.00	0.00	0.00	
12,700.0	90.59	269.81	8,601.1	541.8	-4,013.1	4,035.5	0.00	0.00	0.00	
12,800.0	90.59	269.81	8,600.1	541.5	-4,113.1	4,135.3	0.00	0.00	0.00	
12,900.0	90.59	269.81	8,599.1	541.1	-4,213.1	4,235.2	0.00	0.00	0.00	
13,000.0	90.59	269.81	8,598.0	540.8	-4,313.1	4,335.0	0.00	0.00	0.00	
13,100.0	90.59	269.81	8,597.0	540.4	-4,413.1	4,434.9	0.00	0.00	0.00	
13,200.0	90.59	269.81	8,596.0	540.1	-4,513.1	4,534.7	0.00	0.00	0.00	
13,300.0	90.59	269.81	8,594.9	539.8	-4,613.1	4,634.6	0.00	0.00	0.00	
13,400.0	90.59	269.81	8,593.9	539.4	-4,713.1	4,734.4	0.00	0.00	0.00	
13,500.0	90.59	269.81	8,592.9	539.1	-4,813.1	4,834.3	0.00	0.00	0.00	
13,600.0	90.59	269.81	8,591.8	538.8	-4,913.1	4,934.1	0.00	0.00	0.00	
13,700.0	90.59	269.81	8,590.8	538.4	-5,013.1	5,034.0	0.00	0.00	0.00	
13,725.9	90.59	269.81	8,590.5	538.4	-5,039.0	5,059.9	0.00	0.00	0.00	
PPP3: 1980' FSL & 0' FEL (14)										
13,800.0	90.59	269.81	8,589.8	538.1	-5,113.0	5,133.8	0.00	0.00	0.00	
13,900.0	90.59	269.81	8,588.7	537.8	-5,213.0	5,233.7	0.00	0.00	0.00	
14,000.0	90.59	269.81	8,587.7	537.4	-5,313.0	5,333.5	0.00	0.00	0.00	
14,100.0	90.59	269.81	8,586.7	537.1	-5,413.0	5,433.4	0.00	0.00	0.00	
14,200.0	90.59	269.81	8,585.6	536.8	-5,513.0	5,533.2	0.00	0.00	0.00	
14,300.0	90.59	269.81	8,584.6	536.4	-5,613.0	5,633.1	0.00	0.00	0.00	
14,400.0	90.59	269.81	8,583.6	536.1	-5,713.0	5,732.9	0.00	0.00	0.00	
14,500.0	90.59	269.81	8,582.5	535.8	-5,813.0	5,832.7	0.00	0.00	0.00	
14,600.0	90.59	269.81	8,581.5	535.4	-5,913.0	5,932.6	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Knox 13/14 B2IL Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3681.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3681.0usft (Original Well Elev)
Site:	Knox 13/14 B2IL Fed Com #1H	North Reference:	Grid
Well:	Sec 13, T18S, R30E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 1980' FSL & 100' FWL, Sec 14		
Design:	Design #1		

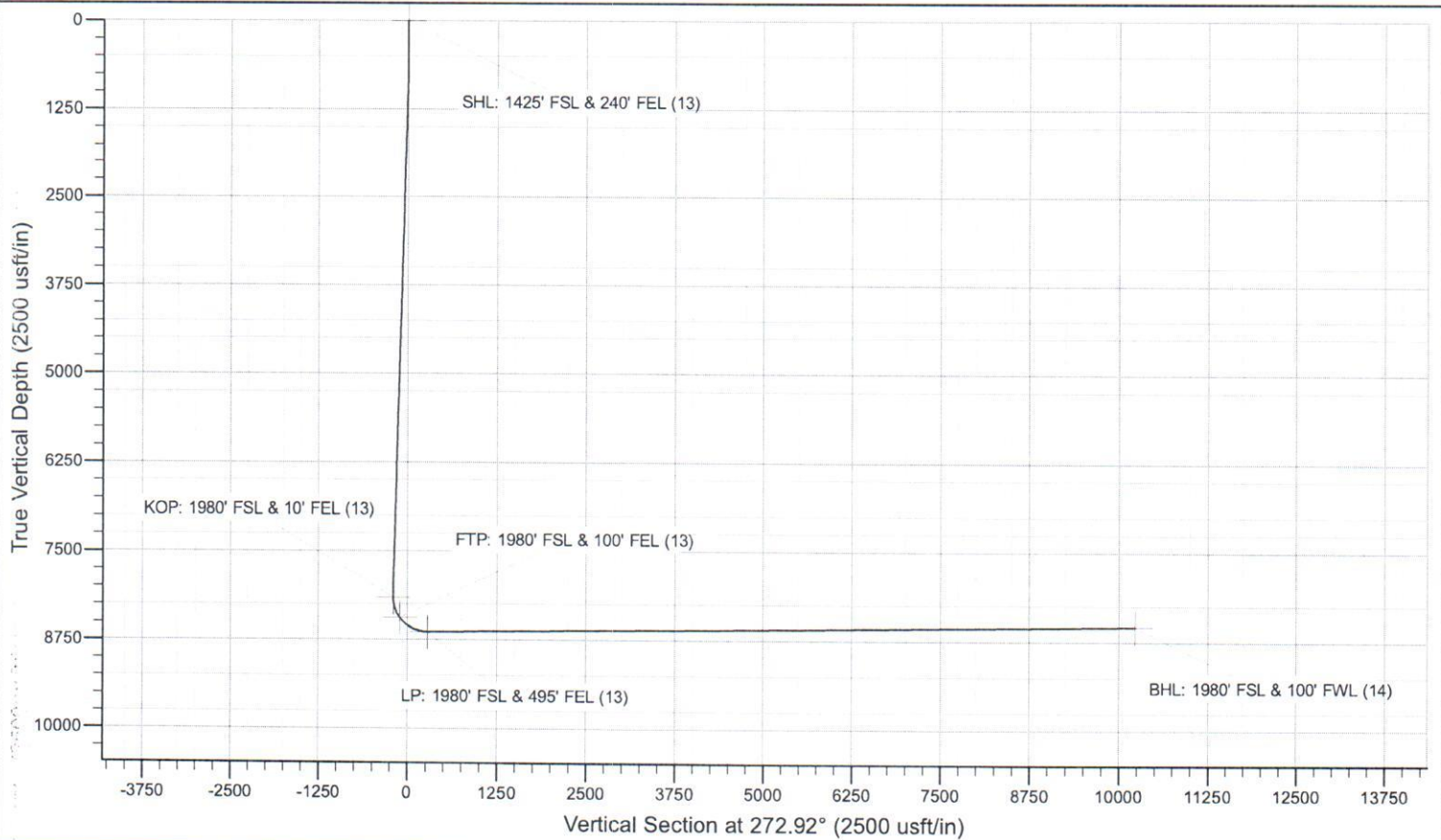
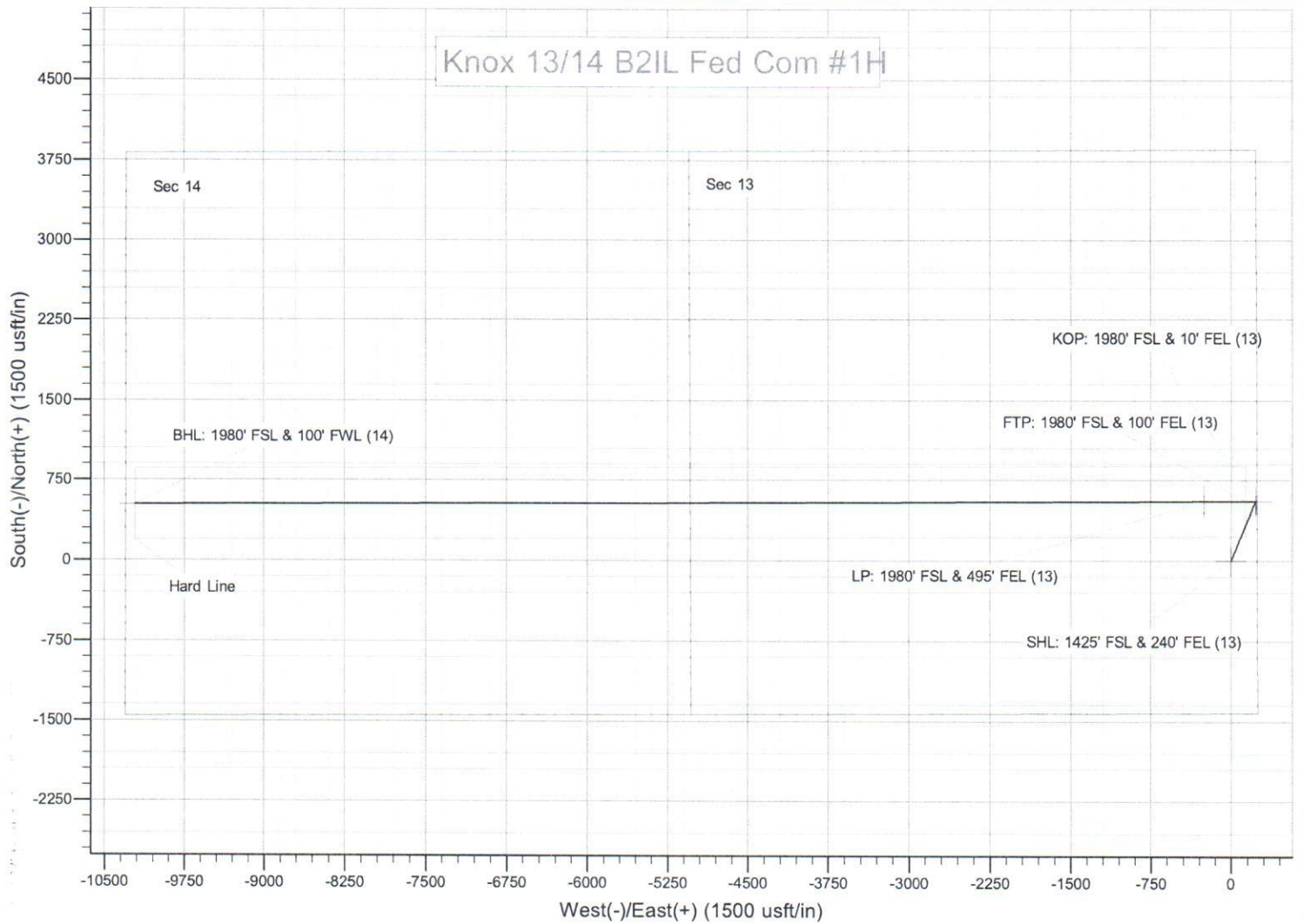
Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,700.0	90.59	269.81	8,580.5	535.1	-6,013.0	6,032.4	0.00	0.00	0.00
14,800.0	90.59	269.81	8,579.4	534.8	-6,113.0	6,132.3	0.00	0.00	0.00
14,900.0	90.59	269.81	8,578.4	534.4	-6,213.0	6,232.1	0.00	0.00	0.00
15,000.0	90.59	269.81	8,577.4	534.1	-6,313.0	6,332.0	0.00	0.00	0.00
15,046.0	90.59	269.81	8,576.9	533.9	-6,359.0	6,377.9	0.00	0.00	0.00
PPP4: 1980' FSL & 1319' FEL (14)									
15,100.0	90.59	269.81	8,576.3	533.7	-6,413.0	6,431.8	0.00	0.00	0.00
15,200.0	90.59	269.81	8,575.3	533.4	-6,513.0	6,531.7	0.00	0.00	0.00
15,300.0	90.59	269.81	8,574.3	533.1	-6,613.0	6,631.5	0.00	0.00	0.00
15,400.0	90.59	269.81	8,573.2	532.7	-6,713.0	6,731.4	0.00	0.00	0.00
15,500.0	90.59	269.81	8,572.2	532.4	-6,812.9	6,831.2	0.00	0.00	0.00
15,600.0	90.59	269.81	8,571.2	532.1	-6,912.9	6,931.1	0.00	0.00	0.00
15,700.0	90.59	269.81	8,570.1	531.7	-7,012.9	7,030.9	0.00	0.00	0.00
15,800.0	90.59	269.81	8,569.1	531.4	-7,112.9	7,130.8	0.00	0.00	0.00
15,900.0	90.59	269.81	8,568.1	531.1	-7,212.9	7,230.6	0.00	0.00	0.00
16,000.0	90.59	269.81	8,567.0	530.7	-7,312.9	7,330.5	0.00	0.00	0.00
16,100.0	90.59	269.81	8,566.0	530.4	-7,412.9	7,430.3	0.00	0.00	0.00
16,200.0	90.59	269.81	8,565.0	530.1	-7,512.9	7,530.2	0.00	0.00	0.00
16,300.0	90.59	269.81	8,563.9	529.7	-7,612.9	7,630.0	0.00	0.00	0.00
16,365.1	90.59	269.81	8,563.2	529.5	-7,678.0	7,695.0	0.00	0.00	0.00
PPP5: 1980' FSL & 2640' FWL (14)									
16,400.0	90.59	269.81	8,562.9	529.4	-7,712.9	7,729.8	0.00	0.00	0.00
16,500.0	90.59	269.81	8,561.8	529.1	-7,812.9	7,829.7	0.00	0.00	0.00
16,600.0	90.59	269.81	8,560.8	528.7	-7,912.9	7,929.5	0.00	0.00	0.00
16,700.0	90.59	269.81	8,559.8	528.4	-8,012.9	8,029.4	0.00	0.00	0.00
16,800.0	90.59	269.81	8,558.7	528.0	-8,112.9	8,129.2	0.00	0.00	0.00
16,900.0	90.59	269.81	8,557.7	527.7	-8,212.9	8,229.1	0.00	0.00	0.00
17,000.0	90.59	269.81	8,556.7	527.4	-8,312.9	8,328.9	0.00	0.00	0.00
17,100.0	90.59	269.81	8,555.6	527.0	-8,412.9	8,428.8	0.00	0.00	0.00
17,200.0	90.59	269.81	8,554.6	526.7	-8,512.8	8,528.6	0.00	0.00	0.00
17,300.0	90.59	269.81	8,553.6	526.4	-8,612.8	8,628.5	0.00	0.00	0.00
17,400.0	90.59	269.81	8,552.5	526.0	-8,712.8	8,728.3	0.00	0.00	0.00
17,500.0	90.59	269.81	8,551.5	525.7	-8,812.8	8,828.2	0.00	0.00	0.00
17,600.0	90.59	269.81	8,550.5	525.4	-8,912.8	8,928.0	0.00	0.00	0.00
17,700.0	90.59	269.81	8,549.4	525.0	-9,012.8	9,027.9	0.00	0.00	0.00
17,800.0	90.59	269.81	8,548.4	524.7	-9,112.8	9,127.7	0.00	0.00	0.00
17,900.0	90.59	269.81	8,547.4	524.4	-9,212.8	9,227.6	0.00	0.00	0.00
18,000.0	90.59	269.81	8,546.3	524.0	-9,312.8	9,327.4	0.00	0.00	0.00
18,100.0	90.59	269.81	8,545.3	523.7	-9,412.8	9,427.2	0.00	0.00	0.00
18,200.0	90.59	269.81	8,544.3	523.4	-9,512.8	9,527.1	0.00	0.00	0.00
18,300.0	90.59	269.81	8,543.2	523.0	-9,612.8	9,626.9	0.00	0.00	0.00
18,400.0	90.59	269.81	8,542.2	522.7	-9,712.8	9,726.8	0.00	0.00	0.00
18,500.0	90.59	269.81	8,541.2	522.4	-9,812.8	9,826.6	0.00	0.00	0.00
18,600.0	90.59	269.81	8,540.1	522.0	-9,912.8	9,926.5	0.00	0.00	0.00
18,700.0	90.59	269.81	8,539.1	521.7	-10,012.8	10,026.3	0.00	0.00	0.00
18,800.0	90.59	269.81	8,538.1	521.3	-10,112.8	10,126.2	0.00	0.00	0.00
18,900.0	90.59	269.81	8,537.0	521.0	-10,212.7	10,226.0	0.00	0.00	0.00
18,903.3	90.59	269.81	8,537.0	521.0	-10,216.0	10,229.3	0.00	0.00	0.00
BHL: 1980' FSL & 100' FWL (14)									

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Knox 13/14 B2IL Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3681.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3681.0usft (Original Well Elev)
Site:	Knox 13/14 B2IL Fed Com #1H	North Reference:	Grid
Well:	Sec 13, T18S, R30E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 1980' FSL & 100' FWL, Sec 14		
Design:	Design #1		

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL: 1425' FSL & 240' F - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	634,677.00	669,139.00	32.7440751	-103.9176642
KOP: 1980' FSL & 10' FI - plan hits target center - Point	0.00	0.00	8,163.0	556.0	227.0	635,233.00	669,366.00	32.7456009	-103.9169188
FTP: 1980' FSL & 100' F - plan hits target center - Point	0.00	0.00	8,440.5	555.7	138.0	635,232.71	669,277.00	32.7456010	-103.9172083
BHL: 1980' FSL & 100' F - plan hits target center - Point	0.00	0.00	8,537.0	521.0	-10,216.0	635,198.00	658,923.00	32.7456129	-103.9508846
PPP5: 1980' FSL & 264' - plan hits target center - Point	0.00	0.00	8,563.2	529.5	-7,678.0	635,206.51	661,461.00	32.7456108	-103.9426297
PPP4: 1980' FSL & 131' - plan hits target center - Point	0.00	0.00	8,576.9	533.9	-6,359.0	635,210.93	662,780.00	32.7456095	-103.9383397
PPP3: 1980' FSL & 0' FE - plan hits target center - Point	0.00	0.00	8,590.5	538.4	-5,039.0	635,215.36	664,100.00	32.7456081	-103.9340464
PPP2: 1980' FSL & 264' - plan hits target center - Point	0.00	0.00	8,617.8	547.2	-2,401.0	635,224.20	666,738.00	32.7456048	-103.9254664
LP: 1980' FSL & 495' FE - plan hits target center - Point	0.00	0.00	8,640.0	554.4	-255.0	635,231.40	668,884.00	32.7456017	-103.9184865

Knox 13/14 B2IL Fed Com #1H



Mewbourne Oil Company

Eddy County, New Mexico NAD 83

Knox 13/14 B2PM Fed Com #1H

Sec 13, T18S, R30E

SHL: 1395' FSL & 240' FEL, Sec 13

BHL: 660' FSL & 100' FWL, Sec 14

Plan: Design #1

Standard Planning Report

22 January, 2020

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Knox 13/14 B2PM Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3681.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3681.0usft (Original Well Elev)
Site:	Knox 13/14 B2PM Fed Com #1H	North Reference:	Grid
Well:	Sec 13, T18S, R30E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FWL, Sec 14		
Design:	Design #1		

Project	Eddy County, New Mexico NAD 83		
Map System:	US State Plane 1983	System Datum:	Ground Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Knox 13/14 B2PM Fed Com #1H				
Site Position:		Northing:	634,647.00 usft	Latitude:	32.7439927
From:	Map	Easting:	669,139.00 usft	Longitude:	-103.9176646
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.22 °

Well	Sec 13, T18S, R30E					
Well Position	+N/-S	0.0 usft	Northing:	634,647.00 usft	Latitude:	32.7439927
	+E/-W	0.0 usft	Easting:	669,139.00 usft	Longitude:	-103.9176646
Position Uncertainty		0.0 usft	Wellhead Elevation:	3,881.0 usft	Ground Level:	3,653.0 usft

Wellbore	BHL: 660' FSL & 100' FWL, Sec 14				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.35	60.52	48,509

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	265.69

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	

Planning Report

Database: Hobbs
 Company: Mewbourne Oil Company
 Project: Eddy County, New Mexico NAD 83
 Site: Knox 13/14 B2PM Fed Com #1H
 Well: Sec 13, T18S, R30E
 Wellbore: BHL: 660' FSL & 100' FWL, Sec 14
 Design: Design #1

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:

Site Knox 13/14 B2PM Fed Com #1H
 WELL @ 3681.0usft (Original Well Elev)
 WELL @ 3681.0usft (Original Well Elev)
 Grid
 Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
SHL: 1395' FSL & 240' FEL (13)									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
570.0	0.00	0.00	570.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.45	162.46	600.0	-0.1	0.0	0.0	1.50	1.50	0.00
700.0	1.95	162.46	700.0	-2.1	0.7	-0.5	1.50	1.50	0.00
800.0	3.45	162.46	799.9	-6.6	2.1	-1.6	1.50	1.50	0.00
900.0	4.95	162.46	899.6	-13.6	4.3	-3.3	1.50	1.50	0.00
974.8	6.07	162.46	974.1	-20.4	6.5	-4.9	1.50	1.50	0.00
1,000.0	6.07	162.46	999.1	-23.0	7.3	-5.5	0.00	0.00	0.00
1,100.0	6.07	162.46	1,098.5	-33.1	10.5	-7.9	0.00	0.00	0.00
1,200.0	6.07	162.46	1,198.0	-43.1	13.6	-10.4	0.00	0.00	0.00
1,300.0	6.07	162.46	1,297.4	-53.2	16.8	-12.8	0.00	0.00	0.00
1,400.0	6.07	162.46	1,396.9	-63.3	20.0	-15.2	0.00	0.00	0.00
1,500.0	6.07	162.46	1,496.3	-73.4	23.2	-17.6	0.00	0.00	0.00
1,600.0	6.07	162.46	1,595.7	-83.5	26.4	-20.0	0.00	0.00	0.00
1,700.0	6.07	162.46	1,695.2	-93.6	29.6	-22.5	0.00	0.00	0.00
1,800.0	6.07	162.46	1,794.6	-103.7	32.8	-24.9	0.00	0.00	0.00
1,900.0	6.07	162.46	1,894.1	-113.8	36.0	-27.3	0.00	0.00	0.00
2,000.0	6.07	162.46	1,993.5	-123.8	39.1	-29.7	0.00	0.00	0.00
2,100.0	6.07	162.46	2,092.9	-133.9	42.3	-32.2	0.00	0.00	0.00
2,200.0	6.07	162.46	2,192.4	-144.0	45.5	-34.6	0.00	0.00	0.00
2,300.0	6.07	162.46	2,291.8	-154.1	48.7	-37.0	0.00	0.00	0.00
2,400.0	6.07	162.46	2,391.2	-164.2	51.9	-39.4	0.00	0.00	0.00
2,500.0	6.07	162.46	2,490.7	-174.3	55.1	-41.8	0.00	0.00	0.00
2,600.0	6.07	162.46	2,590.1	-184.4	58.3	-44.3	0.00	0.00	0.00
2,700.0	6.07	162.46	2,689.6	-194.5	61.5	-46.7	0.00	0.00	0.00
2,800.0	6.07	162.46	2,789.0	-204.5	64.7	-49.1	0.00	0.00	0.00
2,900.0	6.07	162.46	2,888.4	-214.6	67.8	-51.5	0.00	0.00	0.00
3,000.0	6.07	162.46	2,987.9	-224.7	71.0	-54.0	0.00	0.00	0.00
3,100.0	6.07	162.46	3,087.3	-234.8	74.2	-56.4	0.00	0.00	0.00
3,200.0	6.07	162.46	3,186.8	-244.9	77.4	-58.8	0.00	0.00	0.00
3,300.0	6.07	162.46	3,286.2	-255.0	80.6	-61.2	0.00	0.00	0.00
3,400.0	6.07	162.46	3,385.6	-265.1	83.8	-63.6	0.00	0.00	0.00
3,500.0	6.07	162.46	3,485.1	-275.2	87.0	-66.1	0.00	0.00	0.00
3,600.0	6.07	162.46	3,584.5	-285.2	90.2	-68.5	0.00	0.00	0.00
3,700.0	6.07	162.46	3,684.0	-295.3	93.3	-70.9	0.00	0.00	0.00
3,800.0	6.07	162.46	3,783.4	-305.4	96.5	-73.3	0.00	0.00	0.00
3,900.0	6.07	162.46	3,882.8	-315.5	99.7	-75.7	0.00	0.00	0.00
4,000.0	6.07	162.46	3,982.3	-325.6	102.9	-78.2	0.00	0.00	0.00
4,100.0	6.07	162.46	4,081.7	-335.7	106.1	-80.6	0.00	0.00	0.00
4,200.0	6.07	162.46	4,181.1	-345.8	109.3	-83.0	0.00	0.00	0.00
4,300.0	6.07	162.46	4,280.6	-355.9	112.5	-85.4	0.00	0.00	0.00
4,400.0	6.07	162.46	4,380.0	-365.9	115.7	-87.9	0.00	0.00	0.00
4,500.0	6.07	162.46	4,479.5	-376.0	118.9	-90.3	0.00	0.00	0.00
4,600.0	6.07	162.46	4,578.9	-386.1	122.0	-92.7	0.00	0.00	0.00
4,700.0	6.07	162.46	4,678.3	-396.2	125.2	-95.1	0.00	0.00	0.00
4,800.0	6.07	162.46	4,777.8	-406.3	128.4	-97.5	0.00	0.00	0.00
4,900.0	6.07	162.46	4,877.2	-416.4	131.6	-100.0	0.00	0.00	0.00
5,000.0	6.07	162.46	4,976.7	-426.5	134.8	-102.4	0.00	0.00	0.00

Planning Report

Database: Hobbs
 Company: Mewbourne Oil Company
 Project: Eddy County, New Mexico NAD 83
 Site: Knox 13/14 B2PM Fed Com #1H
 Well: Sec 13, T18S, R30E
 Wellbore: BHL: 660' FSL & 100' FWL, Sec 14
 Design: Design #1

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:

Site Knox 13/14 B2PM Fed Com #1H
 WELL @ 3681.0usft (Original Well Elev)
 WELL @ 3681.0usft (Original Well Elev)
 Grid
 Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,100.0	6.07	162.46	5,076.1	-436.5	138.0	-104.8	0.00	0.00	0.00
5,200.0	6.07	162.46	5,175.5	-446.6	141.2	-107.2	0.00	0.00	0.00
5,300.0	6.07	162.46	5,275.0	-456.7	144.4	-109.7	0.00	0.00	0.00
5,400.0	6.07	162.46	5,374.4	-466.8	147.5	-112.1	0.00	0.00	0.00
5,500.0	6.07	162.46	5,473.8	-476.9	150.7	-114.5	0.00	0.00	0.00
5,600.0	6.07	162.46	5,573.3	-487.0	153.9	-116.9	0.00	0.00	0.00
5,700.0	6.07	162.46	5,672.7	-497.1	157.1	-119.3	0.00	0.00	0.00
5,800.0	6.07	162.46	5,772.2	-507.2	160.3	-121.8	0.00	0.00	0.00
5,900.0	6.07	162.46	5,871.6	-517.2	163.5	-124.2	0.00	0.00	0.00
6,000.0	6.07	162.46	5,971.0	-527.3	166.7	-126.6	0.00	0.00	0.00
6,100.0	6.07	162.46	6,070.5	-537.4	169.9	-129.0	0.00	0.00	0.00
6,200.0	6.07	162.46	6,169.9	-547.5	173.1	-131.5	0.00	0.00	0.00
6,300.0	6.07	162.46	6,269.4	-557.6	176.2	-133.9	0.00	0.00	0.00
6,400.0	6.07	162.46	6,368.8	-567.7	179.4	-136.3	0.00	0.00	0.00
6,500.0	6.07	162.46	6,468.2	-577.8	182.6	-138.7	0.00	0.00	0.00
6,600.0	6.07	162.46	6,567.7	-587.9	185.8	-141.1	0.00	0.00	0.00
6,700.0	6.07	162.46	6,667.1	-597.9	189.0	-143.6	0.00	0.00	0.00
6,800.0	6.07	162.46	6,766.6	-608.0	192.2	-146.0	0.00	0.00	0.00
6,900.0	6.07	162.46	6,866.0	-618.1	195.4	-148.4	0.00	0.00	0.00
7,000.0	6.07	162.46	6,965.4	-628.2	198.6	-150.8	0.00	0.00	0.00
7,100.0	6.07	162.46	7,064.9	-638.3	201.7	-153.2	0.00	0.00	0.00
7,200.0	6.07	162.46	7,164.3	-648.4	204.9	-155.7	0.00	0.00	0.00
7,300.0	6.07	162.46	7,263.7	-658.5	208.1	-158.1	0.00	0.00	0.00
7,400.0	6.07	162.46	7,363.2	-668.6	211.3	-160.5	0.00	0.00	0.00
7,500.0	6.07	162.46	7,462.6	-678.6	214.5	-162.9	0.00	0.00	0.00
7,600.0	6.07	162.46	7,562.1	-688.7	217.7	-165.4	0.00	0.00	0.00
7,700.0	6.07	162.46	7,661.5	-698.8	220.9	-167.8	0.00	0.00	0.00
7,800.0	6.07	162.46	7,760.9	-708.9	224.1	-170.2	0.00	0.00	0.00
7,846.2	6.07	162.46	7,806.9	-713.6	225.5	-171.3	0.00	0.00	0.00
7,900.0	5.27	162.46	7,860.4	-718.6	227.1	-172.5	1.50	-1.50	0.00
8,000.0	3.77	162.46	7,960.1	-726.1	229.5	-174.3	1.50	-1.50	0.00
8,100.0	2.27	162.46	8,060.0	-731.2	231.1	-175.5	1.50	-1.50	0.00
8,200.0	0.77	162.46	8,159.9	-733.7	231.9	-176.2	1.50	-1.50	0.00
8,251.1	0.00	0.00	8,211.0	-734.0	232.0	-176.2	1.50	-1.50	0.00
KOP: 660' FSL & 10' FEL (13)									
8,300.0	5.88	269.81	8,259.8	-734.0	229.5	-173.7	12.01	12.01	0.00
8,400.0	17.89	269.81	8,357.5	-734.1	208.9	-153.2	12.01	12.01	0.00
8,500.0	29.90	269.81	8,448.8	-734.2	168.5	-112.9	12.01	12.01	0.00
8,548.9	35.77	269.81	8,489.9	-734.3	142.0	-86.5	12.01	12.01	0.00
FTP: 660' FSL & 100' FEL (13)									
8,600.0	41.91	269.81	8,529.6	-734.4	110.0	-54.5	12.01	12.01	0.00
8,700.0	53.92	269.81	8,596.5	-734.7	35.9	19.4	12.01	12.01	0.00
8,800.0	65.93	269.81	8,646.6	-734.9	-50.5	105.5	12.01	12.01	0.00
8,900.0	77.94	269.81	8,677.5	-735.3	-145.4	200.2	12.01	12.01	0.00
9,000.0	89.95	269.81	8,688.0	-735.6	-244.6	299.2	12.01	12.01	0.00
9,007.1	90.80	269.81	8,688.0	-735.6	-251.7	306.2	12.01	12.01	0.00
LP: 660' FSL & 492' FEL (13)									
9,100.0	90.80	269.81	8,686.7	-735.9	-344.6	398.9	0.00	0.00	0.00
9,200.0	90.80	269.81	8,685.3	-736.3	-444.6	498.6	0.00	0.00	0.00
9,300.0	90.80	269.81	8,683.9	-736.6	-544.6	598.4	0.00	0.00	0.00
9,400.0	90.80	269.81	8,682.5	-736.9	-644.6	698.1	0.00	0.00	0.00
9,500.0	90.80	269.81	8,681.1	-737.3	-744.6	797.8	0.00	0.00	0.00
9,600.0	90.80	269.81	8,679.7	-737.6	-844.6	897.6	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Knox 13/14 B2PM Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3681.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3681.0usft (Original Well Elev)
Site:	Knox 13/14 B2PM Fed Com #1H	North Reference:	Grid
Well:	Sec 13, T18S, R30E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FWL, Sec 14		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,700.0	90.80	269.81	8,678.3	-737.9	-944.6	997.3	0.00	0.00	0.00
9,800.0	90.80	269.81	8,676.9	-738.3	-1,044.5	1,097.0	0.00	0.00	0.00
9,900.0	90.80	269.81	8,675.5	-738.6	-1,144.5	1,196.8	0.00	0.00	0.00
10,000.0	90.80	269.81	8,674.1	-738.9	-1,244.5	1,296.5	0.00	0.00	0.00
10,100.0	90.80	269.81	8,672.7	-739.3	-1,344.5	1,396.2	0.00	0.00	0.00
10,200.0	90.80	269.81	8,671.4	-739.6	-1,444.5	1,496.0	0.00	0.00	0.00
10,300.0	90.80	269.81	8,670.0	-740.0	-1,544.5	1,595.7	0.00	0.00	0.00
10,400.0	90.80	269.81	8,668.6	-740.3	-1,644.5	1,695.4	0.00	0.00	0.00
10,500.0	90.80	269.81	8,667.2	-740.6	-1,744.5	1,795.2	0.00	0.00	0.00
10,600.0	90.80	269.81	8,665.8	-741.0	-1,844.5	1,894.9	0.00	0.00	0.00
10,700.0	90.80	269.81	8,664.4	-741.3	-1,944.5	1,994.6	0.00	0.00	0.00
10,800.0	90.80	269.81	8,663.0	-741.6	-2,044.4	2,094.4	0.00	0.00	0.00
10,900.0	90.80	269.81	8,661.6	-742.0	-2,144.4	2,194.1	0.00	0.00	0.00
11,000.0	90.80	269.81	8,660.2	-742.3	-2,244.4	2,293.8	0.00	0.00	0.00
11,100.0	90.80	269.81	8,658.8	-742.6	-2,344.4	2,393.6	0.00	0.00	0.00
11,200.0	90.80	269.81	8,657.4	-743.0	-2,444.4	2,493.3	0.00	0.00	0.00
11,300.0	90.80	269.81	8,656.0	-743.3	-2,544.4	2,593.0	0.00	0.00	0.00
11,400.0	90.80	269.81	8,654.6	-743.6	-2,644.4	2,692.8	0.00	0.00	0.00
11,500.0	90.80	269.81	8,653.2	-744.0	-2,744.4	2,792.5	0.00	0.00	0.00
11,600.0	90.80	269.81	8,651.8	-744.3	-2,844.4	2,892.2	0.00	0.00	0.00
11,700.0	90.80	269.81	8,650.4	-744.6	-2,944.3	2,992.0	0.00	0.00	0.00
11,800.0	90.80	269.81	8,649.0	-745.0	-3,044.3	3,091.7	0.00	0.00	0.00
11,900.0	90.80	269.81	8,647.6	-745.3	-3,144.3	3,191.4	0.00	0.00	0.00
12,000.0	90.80	269.81	8,646.2	-745.6	-3,244.3	3,291.2	0.00	0.00	0.00
12,100.0	90.80	269.81	8,644.8	-746.0	-3,344.3	3,390.9	0.00	0.00	0.00
12,200.0	90.80	269.81	8,643.4	-746.3	-3,444.3	3,490.6	0.00	0.00	0.00
12,300.0	90.80	269.81	8,642.1	-746.7	-3,544.3	3,590.3	0.00	0.00	0.00
12,400.0	90.80	269.81	8,640.7	-747.0	-3,644.3	3,690.1	0.00	0.00	0.00
12,500.0	90.80	269.81	8,639.3	-747.3	-3,744.3	3,789.8	0.00	0.00	0.00
12,600.0	90.80	269.81	8,637.9	-747.7	-3,844.3	3,889.5	0.00	0.00	0.00
12,700.0	90.80	269.81	8,636.5	-748.0	-3,944.2	3,989.3	0.00	0.00	0.00
12,800.0	90.80	269.81	8,635.1	-748.3	-4,044.2	4,089.0	0.00	0.00	0.00
12,900.0	90.80	269.81	8,633.7	-748.7	-4,144.2	4,188.7	0.00	0.00	0.00
13,000.0	90.80	269.81	8,632.3	-749.0	-4,244.2	4,288.5	0.00	0.00	0.00
13,100.0	90.80	269.81	8,630.9	-749.3	-4,344.2	4,388.2	0.00	0.00	0.00
13,200.0	90.80	269.81	8,629.5	-749.7	-4,444.2	4,487.9	0.00	0.00	0.00
13,300.0	90.80	269.81	8,628.1	-750.0	-4,544.2	4,587.7	0.00	0.00	0.00
13,400.0	90.80	269.81	8,626.7	-750.3	-4,644.2	4,687.4	0.00	0.00	0.00
13,500.0	90.80	269.81	8,625.3	-750.7	-4,744.2	4,787.1	0.00	0.00	0.00
13,600.0	90.80	269.81	8,623.9	-751.0	-4,844.2	4,886.9	0.00	0.00	0.00
13,700.0	90.80	269.81	8,622.5	-751.3	-4,944.1	4,986.6	0.00	0.00	0.00
13,800.0	90.80	269.81	8,621.1	-751.7	-5,044.1	5,086.3	0.00	0.00	0.00
13,900.0	90.80	269.81	8,619.7	-752.0	-5,144.1	5,186.1	0.00	0.00	0.00
14,000.0	90.80	269.81	8,618.3	-752.4	-5,244.1	5,285.8	0.00	0.00	0.00
14,100.0	90.80	269.81	8,616.9	-752.7	-5,344.1	5,385.5	0.00	0.00	0.00
14,200.0	90.80	269.81	8,615.5	-753.0	-5,444.1	5,485.3	0.00	0.00	0.00
14,300.0	90.80	269.81	8,614.1	-753.4	-5,544.1	5,585.0	0.00	0.00	0.00
14,400.0	90.80	269.81	8,612.7	-753.7	-5,644.1	5,684.7	0.00	0.00	0.00
14,500.0	90.80	269.81	8,611.4	-754.0	-5,744.1	5,784.5	0.00	0.00	0.00
14,600.0	90.80	269.81	8,610.0	-754.4	-5,844.1	5,884.2	0.00	0.00	0.00
14,700.0	90.80	269.81	8,608.6	-754.7	-5,944.0	5,983.9	0.00	0.00	0.00
14,800.0	90.80	269.81	8,607.2	-755.0	-6,044.0	6,083.7	0.00	0.00	0.00
14,900.0	90.80	269.81	8,605.8	-755.4	-6,144.0	6,183.4	0.00	0.00	0.00
15,000.0	90.80	269.81	8,604.4	-755.7	-6,244.0	6,283.1	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Knox 13/14 B2PM Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3681.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3681.0usft (Original Well Elev)
Site:	Knox 13/14 B2PM Fed Com #1H	North Reference:	Grid
Well:	Sec 13, T18S, R30E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FWL, Sec 14		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
15,100.0	90.80	269.81	8,603.0	-756.0	-6,344.0	6,382.9	0.00	0.00	0.00	
15,110.0	90.80	269.81	8,602.8	-756.1	-6,354.0	6,392.8	0.00	0.00	0.00	
PPP2: 660' FSL & 1319' FEL (14)										
15,200.0	90.80	269.81	8,601.6	-756.4	-6,444.0	6,482.6	0.00	0.00	0.00	
15,300.0	90.80	269.81	8,600.2	-756.7	-6,544.0	6,582.3	0.00	0.00	0.00	
15,400.0	90.80	269.81	8,598.8	-757.0	-6,644.0	6,682.1	0.00	0.00	0.00	
15,500.0	90.80	269.81	8,597.4	-757.4	-6,744.0	6,781.8	0.00	0.00	0.00	
15,600.0	90.80	269.81	8,596.0	-757.7	-6,843.9	6,881.5	0.00	0.00	0.00	
15,700.0	90.80	269.81	8,594.6	-758.0	-6,943.9	6,981.3	0.00	0.00	0.00	
15,800.0	90.80	269.81	8,593.2	-758.4	-7,043.9	7,081.0	0.00	0.00	0.00	
15,900.0	90.80	269.81	8,591.8	-758.7	-7,143.9	7,180.7	0.00	0.00	0.00	
16,000.0	90.80	269.81	8,590.4	-759.1	-7,243.9	7,280.5	0.00	0.00	0.00	
16,100.0	90.80	269.81	8,589.0	-759.4	-7,343.9	7,380.2	0.00	0.00	0.00	
16,200.0	90.80	269.81	8,587.6	-759.7	-7,443.9	7,479.9	0.00	0.00	0.00	
16,300.0	90.80	269.81	8,586.2	-760.1	-7,543.9	7,579.7	0.00	0.00	0.00	
16,400.0	90.80	269.81	8,584.8	-760.4	-7,643.9	7,679.4	0.00	0.00	0.00	
16,429.1	90.80	269.81	8,584.4	-760.5	-7,673.0	7,708.4	0.00	0.00	0.00	
PPP3: 660' FSL & 2640' FWL (14)										
16,500.0	90.80	269.81	8,583.4	-760.7	-7,743.9	7,779.1	0.00	0.00	0.00	
16,600.0	90.80	269.81	8,582.0	-761.1	-7,843.8	7,878.8	0.00	0.00	0.00	
16,700.0	90.80	269.81	8,580.7	-761.4	-7,943.8	7,978.6	0.00	0.00	0.00	
16,800.0	90.80	269.81	8,579.3	-761.7	-8,043.8	8,078.3	0.00	0.00	0.00	
16,900.0	90.80	269.81	8,577.9	-762.1	-8,143.8	8,178.0	0.00	0.00	0.00	
17,000.0	90.80	269.81	8,576.5	-762.4	-8,243.8	8,277.8	0.00	0.00	0.00	
17,100.0	90.80	269.81	8,575.1	-762.7	-8,343.8	8,377.5	0.00	0.00	0.00	
17,200.0	90.80	269.81	8,573.7	-763.1	-8,443.8	8,477.2	0.00	0.00	0.00	
17,300.0	90.80	269.81	8,572.3	-763.4	-8,543.8	8,577.0	0.00	0.00	0.00	
17,400.0	90.80	269.81	8,570.9	-763.7	-8,643.8	8,676.7	0.00	0.00	0.00	
17,500.0	90.80	269.81	8,569.5	-764.1	-8,743.8	8,776.4	0.00	0.00	0.00	
17,600.0	90.80	269.81	8,568.1	-764.4	-8,843.7	8,876.2	0.00	0.00	0.00	
17,700.0	90.80	269.81	8,566.7	-764.7	-8,943.7	8,975.9	0.00	0.00	0.00	
17,800.0	90.80	269.81	8,565.3	-765.1	-9,043.7	9,075.6	0.00	0.00	0.00	
17,900.0	90.80	269.81	8,563.9	-765.4	-9,143.7	9,175.4	0.00	0.00	0.00	
18,000.0	90.80	269.81	8,562.5	-765.8	-9,243.7	9,275.1	0.00	0.00	0.00	
18,100.0	90.80	269.81	8,561.1	-766.1	-9,343.7	9,374.8	0.00	0.00	0.00	
18,200.0	90.80	269.81	8,559.7	-766.4	-9,443.7	9,474.6	0.00	0.00	0.00	
18,300.0	90.80	269.81	8,558.3	-766.8	-9,543.7	9,574.3	0.00	0.00	0.00	
18,400.0	90.80	269.81	8,556.9	-767.1	-9,643.7	9,674.0	0.00	0.00	0.00	
18,500.0	90.80	269.81	8,555.5	-767.4	-9,743.6	9,773.8	0.00	0.00	0.00	
18,600.0	90.80	269.81	8,554.1	-767.8	-9,843.6	9,873.5	0.00	0.00	0.00	
18,700.0	90.80	269.81	8,552.7	-768.1	-9,943.6	9,973.2	0.00	0.00	0.00	
18,800.0	90.80	269.81	8,551.3	-768.4	-10,043.6	10,073.0	0.00	0.00	0.00	
18,900.0	90.80	269.81	8,550.0	-768.8	-10,143.6	10,172.7	0.00	0.00	0.00	
18,968.4	90.80	269.81	8,549.0	-769.0	-10,212.0	10,240.9	0.00	0.00	0.00	
BHL: 660' FSL & 100' FWL (14)										

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Knox 13/14 B2PM Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3681.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3681.0usft (Original Well Elev)
Site:	Knox 13/14 B2PM Fed Com #1H	North Reference:	Grid
Well:	Sec 13, T18S, R30E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FWL, Sec 14		
Design:	Design #1		

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL: 1395' FSL & 240' F - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	634,647.00	669,139.00	32.7439927	-103.9176646
KOP: 660' FSL & 10' FE - plan hits target center - Point	0.00	0.00	8,211.0	-734.0	232.0	633,913.00	669,371.00	32.7419727	-103.9169194
FTP: 660' FSL & 100' FE - plan hits target center - Point	0.00	0.00	8,489.9	-734.3	142.0	633,912.70	669,281.00	32.7419728	-103.9172122
BHL: 660' FSL & 100' Fv - plan hits target center - Point	0.00	0.00	8,549.0	-769.0	-10,212.0	633,878.00	658,927.00	32.7419847	-103.9508870
PPP3: 660' FSL & 2640' - plan hits target center - Point	0.00	0.00	8,584.4	-760.5	-7,673.0	633,886.51	661,466.00	32.7419826	-103.9426293
PPP2: 660' FSL & 1319' - plan hits target center - Point	0.00	0.00	8,602.8	-756.1	-6,354.0	633,890.93	662,785.00	32.7419813	-103.9383394
LP: 660' FSL & 492' FEL - plan hits target center - Point	0.00	0.00	8,688.0	-735.6	-251.7	633,911.40	668,887.30	32.7419735	-103.9184926

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

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

Case Nos. 21492 & 21493

SELF-AFFIRMED STATEMENT OF NOTICE

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

James Bruce deposes and states:

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

Date:

11/7/20


James Bruce

EXHIBIT

4

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

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

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

jamesbruc@aol.com

October 13, 2020

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

Ladies and gentlemen:

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

(a) Case 21492: The N/2S/2 of Section 13 and the N/2S/2 of Section 14, Township 18 South, Range 30 East, NMPM; and

(b) Case 21493: The S/2S/2 of Section 13 and the S/2S/2 of Section 14, Township 18 South, Range 30 East, NMPM.

These matters are scheduled for hearing at 8:15 a.m. on Thursday, November 5, 2020. During the COVID-19 Public Health Emergency, state buildings are closed to the public and the hearing will be conducted remotely. To determine the location of the hearing or to participate in an electronic hearing, go to emnrd.state.nm.us/OCD/hearings or see the instructions posted on the Division's website, <http://emnrd.state.nm.us/OCD/announcements.html>.

You are not required to attend this hearing, but as an owner of an interest who may be affected by the applications, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting these matters at a later date.

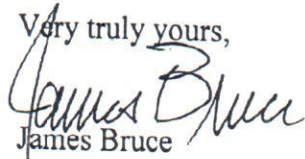
A party appearing in a Division case is required by Division Rules to file a Pre-Hearing Statement no later than Thursday, October 29, 2020. This statement may be filed online with the Division at ocd.hearings@state.nm.us, and should include: The name(s) of the party and his or her attorney; a concise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

ATTACHMENT

A

identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to the undersigned.

Very truly yours,


James Bruce

Attorney for Mewbourne Oil Company

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:

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



9590 9402 5941 0062 9674 27

2. Article #

7020 0640 0000 1405 0454

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☒ Agent

☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

3. Service Type

☐ Adult Signature

☐ Adult Signature Restricted Delivery

☒ Certified Mail®

☐ Certified Mail Restricted Delivery

☐ Collect on Delivery

☐ Collect on Delivery Restricted Delivery

☐ Priority Mail Express®

☐ Registered Mail™

☐ Registered Mail Restricted Delivery

☐ Return Receipt for Merchandise

☐ Signature Confirmation™

☐ Signature Confirmation Restricted Delivery

Delivery

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

Domestic Return Receipt

**U.S. Postal Service™
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Domestic Mail Only

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Certified Mail Fee

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

☐ Return Receipt (hardcopy) \$

☐ Return Receipt (electronic) \$

☐ Certified Mail Restricted Delivery \$

☐ Adult Signature Required \$

☐ Adult Signature Restricted Delivery \$

Postage

\$

Total Postage and Fees

\$

Sent To

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

City, State, ZIP+4®

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

Postmark
Here

PS Form 3800, April 2015 PSN 7530-02-000-9047

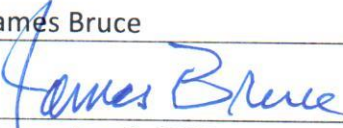
See Reverse for Instructions

COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case:	21492
Date	November 5, 2020
Applicant	Mewbourne Oil Company
Designated Operator & OGRID (affiliation if applicable)	Mewbourne Oil Company/OGRID No. 14744
Applicant's Counsel:	James Bruce
Case Title:	Application of Mewbourne Oil Company for Compulsory Pooling, Eddy County, New Mexico
Entries of Appearance/Intervenors:	EOG Resources, Inc./Holland & Hart LLP
Well Family	Knox Bone Spring wells
Formation/Pool	
Formation Name(s) or Vertical Extent:	Bone Spring Formation
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Entire Bone Spring formation
Pool Name and Pool Code:	Santo Nino; Bone Spring, North/Pool Code 54600
Well Location Setback Rules:	Statewide rules and current horizontal well rules
Spacing Unit Size:	Quarter-quarter Sections/40 acres
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	320 540 acres
Building Blocks:	40 acres
Orientation:	East-West
Description: TRS/County	N/2S/2 §13 and N/2S/2 §14-18S-30E, NMPM, Eddy County
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes
Other Situations	
Depth Severance: Y/N. If yes, description	No
Proximity Tracts: If yes, description	EXHIBIT 5A
Proximity Defining Well: if yes, description	
Applicant's Ownership in Each Tract	Exhibit 2-B
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Knox 13/14 B2IL Fed. Com. Well No. 1H API No. 30-015-47490 SHL: 1360 FSL & 205 FEL §13 BHL: 1980 FSL & 100 FWL §14 FTP: 1980 FSL & 100 FEL §13 LTP: 1980 FSL & 100 FWL §14 Second Bone Spring Sand/TVD 9150 feet/MD 19070 feet

Horizontal Well First and Last Take Points	See above
Completion Target (Formation, TVD and MD)	See above
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$8000
Production Supervision/Month \$	\$800
Justification for Supervision Costs	Exhibit 2, page 2
Requested Risk Charge	Cost + 200%/Exhibit 2, page 2
Notice of Hearing	
Proposed Notice of Hearing	Exhibit 1
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit 4
Proof of Published Notice of Hearing (10 days before hearing)	Not needed
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit 2-B-1
Tract List (including lease numbers and owners)	Exhibit 2-B-1
Pooled Parties (including ownership type)	Exhibit 2-B-1
Unlocatable Parties to be Pooled	No
Ownership Depth Severance (including percentage above & below)	None
Joinder	
Sample Copy of Proposal Letter	Exhibit 2-C
List of Interest Owners (<i>i.e.</i> Exhibit A of JOA)	Exhibit 2-B-1
Chronology of Contact with Non-Joined Working Interests	Exhibit 2-C
Overhead Rates In Proposal Letter	
Cost Estimate to Drill and Complete	Exhibit 2-D-1
Cost Estimate to Equip Well	Exhibit 2-D-1
Cost Estimate for Production Facilities	Exhibit 2-D-1
Geology	
Summary (including special considerations)	Exhibit 3
Spacing Unit Schematic	Exhibit 3-A
Gunbarrel/Lateral Trajectory Schematic	Exhibit 3-A, C
Well Orientation (with rationale)	Laydown/Exhibit 3, page 2 and Exhibit 3-A
Target Formation	Bone Spring
HSU Cross Section	Exhibit 3-C
Depth Severance Discussion	Not Applicable
Forms, Figures and Tables	
C-102	Exhibit 2-A
Tracts	Exhibit 2-A
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit 2-B-1

General Location Map (including basin)	Exhibit 2-A
Well Bore Location Map	Exhibit 2-A
Structure Contour Map - Subsea Depth	Exhibit 3-A
Cross Section Location Map (including wells)	Exhibit 3-B
Cross Section (including Landing Zone)	Exhibit 3-C
Additional Information	
CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.	
Printed Name (Attorney or Party Representative):	James Bruce
Signed Name (Attorney or Party Representative):	
Date:	November 3, 2020

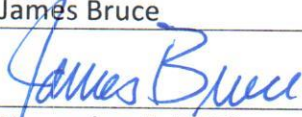
COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case:	21493
Date	November 5, 2020
Applicant	Mewbourne Oil Company
Designated Operator & OGRID (affiliation if applicable)	Mewbourne Oil Company/OGRID No. 14744
Applicant's Counsel:	James Bruce
Case Title:	Application of Mewbourne Oil Company for Compulsory Pooling, Eddy County, New Mexico
Entries of Appearance/Intervenors:	EOG Resources, Inc./Holland & Hart LLP
Well Family	Knox Bone Spring wells
Formation/Pool	
Formation Name(s) or Vertical Extent:	Bone Spring Formation
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Entire Bone Spring formation
Pool Name and Pool Code:	Santo Nino; Bone Spring, North/Pool Code 54600
Well Location Setback Rules:	Statewide rules and current horizontal well rules
Spacing Unit Size:	Quarter-quarter Sections/40 acres
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	320 540 acres
Building Blocks:	40 acres
Orientation:	East-West
Description: TRS/County	S/2S/2 §13 and S/2S/2 §14-18S-30E, NMPM, Eddy County
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes
Other Situations	
Depth Severance: Y/N. If yes, description	No
Proximity Tracts: If yes, description	
Proximity Defining Well: if yes, description	
Applicant's Ownership in Each Tract	Exhibit 2-B
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Knox 13/14 B2PM Fed. Com. Well No. 1H API No. 30-015- <i>Pending</i> SHL: 1330 FSL & 205 FEL §13 BHL: 660 FSL & 100 FWL §14 FTP: 660 FSL & 100 FEL §13 LTP: 6600 FSL & 100 FWL §14 Second Bone Spring Sand/TVD 9175 feet/MD 19095 feet

EXHIBIT 5B

Horizontal Well First and Last Take Points	See above
Completion Target (Formation, TVD and MD)	See above
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$8000
Production Supervision/Month \$	\$800
Justification for Supervision Costs	Exhibit 2, page 2
Requested Risk Charge	Cost + 200%/Exhibit 2, page 2
Notice of Hearing	
Proposed Notice of Hearing	Exhibit 1
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit 4
Proof of Published Notice of Hearing (10 days before hearing)	Not needed
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit 2-B-2
Tract List (including lease numbers and owners)	Exhibit 2-B-2
Pooled Parties (including ownership type)	Exhibit 2-B-2
Unlocatable Parties to be Pooled	No
Ownership Depth Severance (including percentage above & below)	None
Joinder	
Sample Copy of Proposal Letter	Exhibit 2-C
List of Interest Owners (i.e. Exhibit A of JOA)	Exhibit 2-B-2
Chronology of Contact with Non-Joined Working Interests	Exhibit 2-C
Overhead Rates In Proposal Letter	
Cost Estimate to Drill and Complete	Exhibit 2-D-2
Cost Estimate to Equip Well	Exhibit 2-D-2
Cost Estimate for Production Facilities	Exhibit 2-D-2
Geology	
Summary (including special considerations)	Exhibit 3
Spacing Unit Schematic	Exhibit 3-A
Gunbarrel/Lateral Trajectory Schematic	Exhibit 3-A, C
Well Orientation (with rationale)	Laydown/Exhibit 3, page 2 and Exhibit 3-A
Target Formation	Bone Spring
HSU Cross Section	Exhibit 3-C
Depth Severance Discussion	Not Applicable
Forms, Figures and Tables	
C-102	Exhibit 2-A
Tracts	Exhibit 2-A
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit 2-B-2

General Location Map (including basin)	Exhibit 2-A
Well Bore Location Map	Exhibit 2-A
Structure Contour Map - Subsea Depth	Exhibit 3-A
Cross Section Location Map (including wells)	Exhibit 3-B
Cross Section (including Landing Zone)	Exhibit 3-C
Additional Information	
CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.	
Printed Name (Attorney or Party Representative):	James Bruce
Signed Name (Attorney or Party Representative):	
Date:	November 3, 2020