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

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

Case No. 21115

MEWBOURNE OIL COMPANY'S HEARING EXHIBITS

Compulsory Pooling Application Checklist

Application

Application	
Exhibit A	Self-Affirmed Statement of Lee Scarborough
A-1	Form C-102
A-2	Plat of Tracts
A-3	Mewbourne Tract Interests
A-4	List and Schematic of Tract Ownership
A-5	List of Pooled Parties
A-6	List of Unlocatable Parties
A-7	Well Proposal Letter
A-8	Summary of Follow-Up Contacts
A-9	Exhibit A to Joint Operating Agreement
A-10	Proposed Notice of Hearing
A-11	Hearing Notice Letter and Return Receipts
A-12	Affidavit of Publication
A-13	Authorization for Expenditures

Exhibit B Self-Affirmed Statement of Charles Crosby

- B-1 Regional Location Map
- B-2 Structure Map
- B-3 Gross Isopach Map
- B-4 Cross Section
- B-5 Production Table
- B-6 Well Planning Report

APPLICATION CHECKLIST (pdf)	
BE SUPPORTED BY SIGNED AFFIDAVITS	
Case:	21115
Date	April 9, 2020
Applicant	Mewbourne Oil Company
Designated Operator & OGRID (affiliation if applicable)	Mewbourne Oil Company/14744
Applicant's Counsel:	Dana S. Hardy - Hinkle Shanor LLP
Case Title:	Application Of Mewbourne Oil Company For Compulsory Pooling, Eddy County, New Mexico
Entries of Appearance/Intervenors:	None
Well Family	Glock 17/16 B3EH Fed Com #1H
Formation/Pool	
Formation Name(s) or Vertical Extent:	Bone Spring Formation, Exhibit A
Primary Product (Oil or Gas):	Oil, Exhibit A
Pooling this vertical extent:	Entire Bone Spring Formation, Exhibit A
Pool Name and Pool Code:	Getty BSPG - 27470, Exhibit A
Well Location Setback Rules:	Statewide Horizonatal Well Rules, Exhibit A
Spacing Unit Size:	Quarter-Quarter Section/40 Acres, Exhibit A
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal, Exhibit A
Size (Acres)	320 Acres, Exhibit A
Building Blocks:	Quarter Quarter Section/40 Acres, Exhibit A
Orientation:	West-East, Exhibit A
Description: TRS/County	S/2N/2 Sec. 17; S/2N/2 Sec. 16-T20S-R29E, Eddy,
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes, Exhibit A
Other Situations	
Depth Severance: Y/N. If yes, description	N/A
Proximity Tracts: If yes, description	N/A
Proximity Defining Well: if yes, description	N/A
Applicant's Ownership in Each Tract	See Exhibit A-3
Well(s)	
Name & API (if assigned), surface and bottom hole location, ootages, completion target, orientation, completion status standard or non-standard)	

Well #1	Glock 17/16 B3EH Fed Com #1H (API# 30-015-
į.	xxxx)SHL: 2090' FSL, 230' FWL-(Unit L)-17; BHL: 2200' FNL, 100' FEL-(Unit H)-16, Standard, Exhibit A
Well #2	
Horizontal Well First and Last Take Points	1st Take Pt: 2200' FNL, 100' FWL-17; Last Take Pt: 2200' FNL, 100' FEL-16, Exhibit A
Completion Target (Formation, TVD and MD)	Bone Spring Formation; TVD: 9,153'; TMD: 19,412', Exhibit A
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$8000, Exhibit A
Production Supervision/Month \$	\$800, Exhibit A
Justification for Supervision Costs	Exhibit A
Requested Risk Charge	Cost Plus 200%, Exhibit A
Notice of Hearing	
Proposed Notice of Hearing	Exhibit A-10
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit A-11
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit A-12
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit A-4
Tract List (including lease numbers and owners)	Exhibit A-4
Pooled Parties (including ownership type)	Exhibit A-5
Unlocatable Parties to be Pooled	Exhibit A-6
Ownership Depth Severance (including percentage above & below)	None
Joinder	
Sample Copy of Proposal Letter	Exhibit A-7
List of Interest Owners (ie Exhibit A of JOA)	Exhibit A-9
Chronology of Contact with Non-Joined Working Interests	Exhibit A-8
Overhead Rates In Proposal Letter	\$8000/\$800, Exhibit A-7
·	

Cost Estimate to Duill and Complete	E.Libit A 12
Cost Estimate to Drill and Complete	Exhibit A-13
Cost Estimate to Equip Well	Exhibit A-13
Cost Estimate for Production Facilities	Exhibit A-13
Geology	
Summary (including special considerations)	Exhibit B
Spacing Unit Schematic	Exhibit B-6
Gunbarrel/Lateral Trajectory Schematic	Exhibit B-6
Well Orientation (with rationale)	Laydown. Exhibit B
Target Formation	Bone Spring, Exhibit B
HSU Cross Section	Exhibit B-4
Depth Severance Discussion	Exhibit B
Forms, Figures and Tables	
C-102	Exhibit A-1
Tracts	Exhibit A-2
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit A-4
General Location Map (including basin)	Exhibit B-1
Well Bore Location Map	Exhibit B-6
Structure Contour Map - Subsea Depth	Exhibit B-2
Cross Section Location Map (including wells)	Exhibit B-3
Cross Section (including Landing Zone)	Exhibit B-4
Additional Information	
CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.	
Printed Name (Attorney or Party Representative):	Dana S. Hardy
Signed Name (Attorney or Party Representative):	Jana S. Hovely
Date:	4/9/2020

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

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

Case No. 21115

APPLICATION

Pursuant to NMSA § 70-2-17, Mewbourne Oil Company ("Mewbourne") applies for an order pooling all uncommitted mineral interests in the Bone Spring formation in a 320-acre, more or less, standard horizontal spacing unit comprised of the S/2 N/2 of Section 17 and the S/2 N/2 of Section 16, Township 20 South, Range 29 East in Eddy County, New Mexico. In support of its application, Mewbourne states:

- 1. Mewbourne (OGRID No. 14744) is a working interest owner in the S/2 N/2 of Section 17 and the S/2 N/2 of Section 16 and has the right to drill a well thereon.
- 2. The horizontal spacing unit will be dedicated to the Glock 17/16 B3EH Fed Com #1H well, which will be horizontally drilled from a surface location in Unit L in Section 17 to a bottom hole location in Unit H in Section 16, Township 20 South, Range 29 East.
 - The completed interval for the well will be orthodox.
- 4. Mewbourne has undertaken diligent, good-faith efforts to obtain voluntary agreements from all mineral interest owners to participate in the drilling of the well but has been unable to obtain voluntary agreements from all of the mineral interest owners.
- 5. The pooling of all uncommitted mineral interests in the Bone Spring formation underlying the S/2 N/2 of Section 17 and the S/2 N/2 of Section 16 will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.

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

WHEREFORE, Mewbourne requests that this application be set for hearing on March 5, 2020 and that, after notice and hearing, the Division enter an order:

- A. Pooling all uncommitted mineral interests in the Bone Spring formation underlying the S/2 N/2 of Section 17 and the S/2 N/2 of Section 16:
- B. Designating Mewbourne as the operator of the Glock 17/16 B3EH Fed Com #1H well;
- C. Authorizing Mewbourne to recover its costs of drilling, equipping, and completing the Glock 17/16 B3EH Fed Com #1H well and allocating the costs among the well's working interest owners;
- D. Approving the actual operating charges and costs of supervision during drilling and after completion, together with a provision for adjusting the rates pursuant to the COPAS accounting procedure; and
- E. Imposing a 200% penalty for the risk assumed by Mewbourne in drilling and completing the Glock 17/16 B3EH Fed Com #1H well against any mineral interest owner who does not voluntarily participate in the drilling of the well.

Respectfully submitted,

HINKLE SHANOR LLP

Dana S. Hardy

Dioscoro A. Blanco

P.O. Box 2068

Santa Fe, NM 87504-2068

Phone: (505) 982-4554 Facsimile: (505) 982-8623

dhardy@hinklelawfirm.com

dblanco@hinklelawfirm.com

Counsel for Mewbourne Oil Company

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

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

Case No. 21115

SELF-AFFIRMED STATEMENT OF LEE SCARBOROUGH

- 1. I am over 18 years of age and am competent to provide this Self-Affirmed Statement. I have personal knowledge of the matters addressed herein.
- 2. I am a landman for Mewbourne Oil Company ("Mewbourne"). I have had direct involvement with Mewbourne's development of the 320-acre, more or less, standard horizontal spacing unit ("HSU") that is the subject of Mewbourne's application in this case.
- 3. I have previously testified before the Division, and my qualifications as an expert in petroleum land matters were accepted.

A. Proposed Wells and HSU

- 4. The proposed HSU is comprised of the S/2 N/2 of Section 17 and the S/2 N/2 of Section 16, Township 20 South, Range 29 East in Eddy County, New Mexico
- 5. Mewbourne seeks to pool all uncommitted interests in the Bone Spring formation underlying the HSU.
- 6. The HSU will be dedicated to the Glock 17/16 B3EH Fed Com #1H well, which will be horizontally drilled from a surface location 2090' FSL and 230' FWL (Unit L) in Section 17 to a bottom hole location 2200' FNL and 100' FEL (Unit H) in Section 16, Township 20 South, Range 29 East.

Case No. 21115

MEWBOURNE OIL

Exhibit A

- 7. The first take point for the Glock 17/16 B3EH Fed Com #1H well is 2200' FNL and 100' FWL in Section 17, and the last take point is 2200' FNL and 100' FEL in Section 16. The target interval in the Bone Spring Formation is 9,153' TVD and 19,412' TMD.
- 8. The proposed well will be completed from West to East, and the completed interval of the well will be orthodox.
- 9. The proposed well is located in the Getty BSPG Pool, Code 27470. The primary product in the pool is oil. With respect to well setback requirements, this pool is subject to the statewide horizontal well rules set out in NMAC 19.15.16.15. Spacing in this pool is based on quarter-quarter sections, and the HSU is constructed based on quarter-quarter sections.
 - 10. The C-102 for the proposed well is attached as Exhibit A-1.

B. Ownership Determination

- 11. A plat of the tracts included in the HSU is attached as Exhibit A-2. Mewbourne's ownership interest in each tract included in the HSU is attached as Exhibit A-3. A list of the tract ownership is attached hereto as Exhibit A-4.
- 12. A list of the parties to be pooled, including ownership type, is attached as Exhibit A-5. A list of the unlocatable parties to be pooled is attached as Exhibit A-6.
 - 13. There is no depth severance in the Bone Spring formation in the proposed HSU.
 - 14. Mewbourne has the right to pool any overriding royalty owners in the HSU.

C. Joinder

15. I sent well proposal letters to the uncommitted interests on October 16, 2019. Subsequently, I had follow-up communications with the locatable interests. A sample of my well proposal letter is attached as Exhibit A-7. A summary of my follow-up contacts with the locatable uncommitted interests are attached as Exhibit A-8.

- 16. A list of interest owners (Exhibit A to Joint Operating Agreement) is attached as Exhibit A-9.
 - 17. 89.069% of the working interests are committed to the proposed well.
- 18. In my opinion, Mewbourne has made a good faith effort to obtain the voluntary joinder of uncommitted interests in the proposed well.

D. Notice of Hearing

- 19. Mewbourne's proposed notice of hearing is attached as Exhibit A-10.
- 20. Notice of Mewbourne's application and the Division hearing was provided to the uncommitted interests by certified mail at least 20 days prior to the hearing date. A sample of the notice letter and the associated green cards are attached as Exhibit A-11.
- 21. Notice of Mewbourne's application and the Division hearing was published more than ten business days prior to the hearing date. The affidavit of publication is attached as Exhibit A-12.

E. Drilling and Operating Costs

- 22. The AFEs for the proposed well are attached hereto as Exhibit A-13. The estimated cost of the well is fair and reasonable and is comparable to the cost of other wells of similar depth and length drilled in Eddy County.
- 23. Mewbourne requests overhead and administrative rates of \$8,000 per month while the well is being drilled and \$800 per month while the well is producing. These rates are fair and are comparable to the rates charged by Mewbourne and by other operators in the vicinity. They are also the rates set forth in the Joint Operating Agreement for the HSU. Mewbourne further requests that the rates be adjusted periodically in accordance with the COPAS Accounting Procedure.

- 24. Mewbourne requests that it be designated the operator of the well.
- 25. Mewbourne also requests that a 200% risk charge be assessed against the uncommitted interests if they are non-consenting working interest owners.
- 26. The exhibits attached hereto were either prepared by me or under my supervision, or were compiled from company business records.
- 27. In my opinion, the granting of Mewbourne's application would serve the interests of conservation and the prevention of waste.
- 28. I understand that this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 27 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

Lee Scarborough

2/27/2020 Date

Case No. 21115

MEWBOURNE OIL

Exhibit A-1

District 1 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

Prione: (375) 748-1283 Fax: (375) 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

Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

C-102

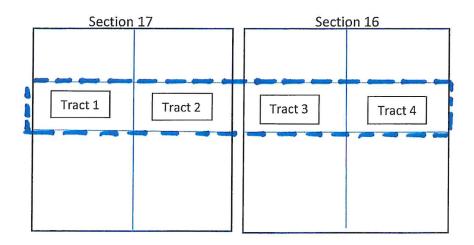
		V	ELL L	OCATIO	N AND ACI	REAGE DEDIC	CATION PLA	T		
¹ API Number 2 Pool				² Pool Code	2		3 Pool Na	me		
⁴ Property Co	GLOCK 17/16 B3EH FED COM				Well Number 1H					
7OGRID	NO.	*Operator Name MEWBOURNE OIL COMPANY **SOperator Name **SOperato				to inverse -				
¹⁰ Surface Location										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/W	est line	County
L	17	20S	29E		2090	SOUTH	230	WE	ST	EDDY
" Bottom Hole Location If Different From Surface										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County
H	16	20S	29E		2200	NORTH	100	EAS	ST	EDDY
12 Dedicated Acres	s 13 Joint	or Intill 14 (onsolidation	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.

	l"		17 OPERATOR CERTIFICATION
		ND BRASS CAP "1916" 2462.9 — E: 622006.1	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
		ND BRASS CAP "1916" 1820.2 — E: 622012.4	owns a working interest or unleased mineral interest in the land including
			the proposed bottom hale location or has a right to drill this well at this
		ND BRASS CAP "1916" 1809.9 — E: 619369.9	location pursuant to a contract with an owner of such a mineral or working
		ND BRASS CAP "1916"	interest, or to a voluntary pooling agreement or a compulsory pooling
		798.5 - E: 616727.8	order heretofore entered by the division.
		ND BRASS CAP "1916" 801.9 – E: 614082.2	Signature Date
		ND BRASS CAP "1916" 443.7 — E: 616721.6	
	F: FOUND BRASS CAP "1916"	443.7 — E: 616/21.6	Printed Name
	N: 575105.3 — E: 621999.3		F-mail Address
	u constituti u cono sol O u consolocii u con sol O o consolocii		1:-man Address
₿	N 89'57'17" W 2646.39' © N 89'58'05" W 2644.52' © 5 89'46'49"	W 2643.25 U S 89 46 50 W 2642.39 F	. 18 SURVEYOR CERTIFICATION
	GEODETIC DATA		the I hereby certify that the well location shown on this
	NAD 83 GRID - NM EAST	GEODETIC DATA NAD 83 GRID — NM EAST O BOTTOM HOLE	🖔 plat was plotted from field notes of actual surveys
	SURFACE LOCATION N: 571894.1 - E: 611662.8		made by me or under my supervision, and that the
,00	LAT: 32,5719846' N		same is true and correct to the best of my belief.
5285.	LONG: 104.1050404' W	LAT: 32.5746997' N LONG: 104.0717841' W B.H.	8 9-09-2019
N.	/-230'	! ©7	≥ Date of Survey
1	<u> </u>	100, 7	Signature and Seal of Proceedings Surveyor:
80,80.00	S.L.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 3 3
ŏ ≥	1 28	788	19680)
	- 		13 th
	2090	1,180	19680
	90	00.	Certificate Number
(A)			
	N 89'56'08" W 2645.02' K N 89'55'36" W 2646.19' (1) S 89'45'10"	W 2642.82' () S 89'46'40" W 2643.15' (H) Joh No: 1519090887

LAND PLAT

COUNTY OF EDDY, STATE OF NEW MEXICO TOWNSHIP 20 SOUTH, RANGE 29 EAST GLOCK 17/16 B3EH FED COM #1H



Tract 1: S/2NW/4 - 17 - NMNM 01165

Tract 2: S/2NE/4 – 17 – NMNM 01165

Tract 3: S/2NW/4 – 16 – NMNM 0554771

Tract 4: S/2NE/4 - 16 - NMNM 0554771

Case No. 21115

EXHIBIT 1

Applicant's Ownership in Each Tract

Case:

Well: Glock 17/16 B3EH Fed Com #1H (API# pending)

Tract 1: S/2NW/4, Section 17: 87.5%

Tract 2: S/2NE/4, Section 17: 2.422%

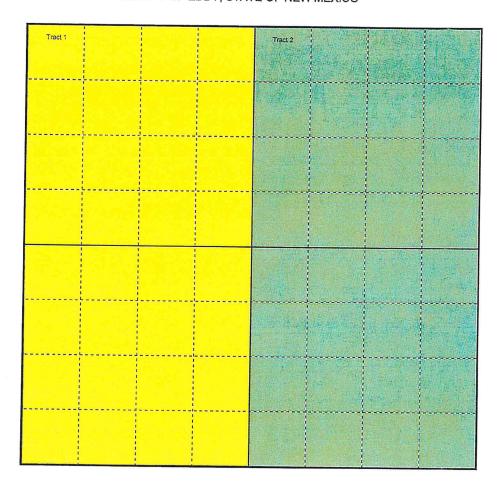
Tract 3: S/2NW/4, Section 16: 43.75%

Tract 4: S/2NE/4, Section 16: 60.9375%

Case No. 21115

SECTION PLAT

SECTION 17, TOWNSHIP 20 SOUTH, RANGE 29 EAST COUNTY OF EDDY, STATE OF NEW MEXICO



Tract 1: W2 - NM 01165

Mewbourne Oil Company Great Western Drilling Ltd. Davoil, Inc. Brooks Oil & Gas Interests, Ltd.

Tract 2: E2 - NM 01165

Yates Petroleum Corporation Abo Petroleum Corporation Myco Industries, Inc. OXY Y-1 Company John A. Yates Sharbro Energy, LLC Axis Energy, LLC Wildcat Energy, LLC Westway Petro Marigold LLLP Santo Legado LLLP Tulipan LLC Estate of E. Trompeter William Evert Andrau Trust No. 2 Mewbourne Oil Company Helene B. Hewett/Barbara A Powell Trust No. 2 Siegler Family Trust No. 2 Homer Tutton S. K. Clay U/TRT 6-21-78

Case No. 21115

W. P. Kendall U/TRT 6-21-78

William Jacobs

Andrew E. McMacMahon

Greenstar Resources, LLC

Robert L. Beavers, Inc.

Russell S. Sampson Ivor J. Silver

Patricia A. McMillian

Lewis F. Holmes Alex M. Roter

Ann S. Ragsdale

Anthony Hawe

Arthur A. Ostmann

Arturo G. Sterling Charles C. Albright Trust

Don Friedman

Dorothy Hinchliff

First State Bank George M. Oringdulph, et al

Gilbert T. Kanegawa

Glenn E. Duke

Harry Bersner

Harry E. Poll Harry L. Green, Sr. Henry C. Landers

James Roby Clopton, Inc.

Janet S. Joslin

John Steinman

Larry M. Pickett

Leroy H. Simpkins, Jr. Leroy L. Burnette Lillian Kamph, Trustee John L. Steffan

Louesther Zwick Trust IV

M. D. Williams, et al

Mark J. Sandler

Neil W. Schilke Norton S. Waldfogel Robert M. Varn Steven R. Lindersmith

Thomas Geimer

T. Grover Swift, Jr.

Jackie D. Willis Warren N. Rosenquist

Whitney Karis Wilson

William Bondeson William P. McCormick William R. Manclark

William W. Fetner

William Evert Andrau Trust No. 1

Helene B. Hewett/Barbara A. Powell Trust No. 1

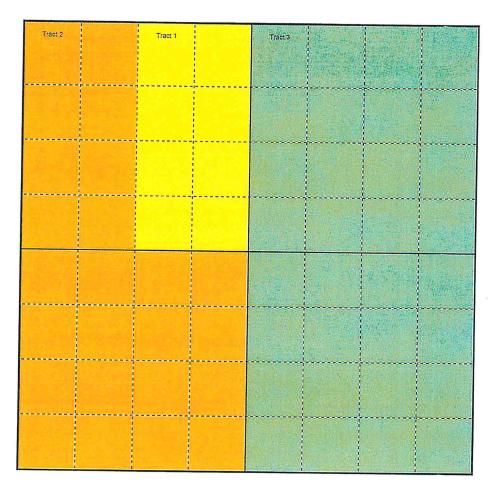
Siegler Family Trust No. 1

Sandra Houppermans

SECTION PLAT

SECTION 16, TOWNSHIP 20 SOUTH, RANGE 29 EAST

COUNTY OF EDDY, STATE OF NEW MEXICO



Tract 1: E2NW – NM 0554771
Brooks Oil & Gas Interests, Ltd.
Great Western Drilling Ltd.
Davoil, Inc.
Fasken Land and Minerals, Ltd.
McCombs Energy, L.L.C.
Jeffrey M. Johnston, etux Sandra K.
Michael A. Short
Dorothy Ann Fletcher Throckmorton
Estate of Boyd Laughlin
Josephine Laughlin Living Trust
Khody Land & Minerals Company
Mewbourne Oil Company

Tract 2: SW, W2NW - NM 0554771
Brooks Oil & Gas Interests, Ltd.
Great Western Drilling Ltd.
Davoil, Inc.
Fasken Land and Minerals, Ltd.
McCombs Energy, L.L.C.
Jeffrey M. Johnston, etux Sandra K.
Michael A. Short
Dorothy Ann Fletcher Throckmorton
Estate of Boyd Laughlin
Josephine Laughlin Living Trust
Khody Land & Minerals Company
Mewbourne Oil Company

Tract 3: E2 – NM 0554771

Brooks Oil & Gas Interests, Ltd.
Great Western Drilling Ltd.
Davoil, Inc.
Fasken Land and Minerals, Ltd.
McCombs Energy, L.L.C.
Jeffrey M. Johnston, etux Sandra K.
Michael A. Short
Dorothy Ann Fletcher Throckmorton
Mewbourne Oil Company

Andrew E. MacMahon Anthony Hawe Charles C. Albright Trust E. Trompeter Estate Homer C. Tutton Ivor J. Silver Jackie D. Willis	Operating Rights
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E. Trompeter Estate Homer C. Tutton Ivor J. Silver Jackie D. Willis	Operating Rights
Homer C. Tutton C Ivor J. Silver C Jackie D. Willis	Operating Rights
lvor J. Silver C	Operating Rights Operating Rights Operating Rights Operating Rights Operating Rights Operating Rights
Jackie D. Willis	Operating Rights Operating Rights Operating Rights Operating Rights
Jackie D. Willis	Operating Rights Operating Rights Operating Rights Operating Rights
Michael H. Steinman	Operating Rights Operating Rights
	Operating Rights
Robert Steinman	
Judith Borger C	
	Operating Rights
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Sandra H. Starratt C	perating Rights
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1	perating Rights
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The state of the s	perating Rights
Clampett's Tea, L.L.C. O	perating Rights
	perating Rights

Case No. 21115

GLOCK 17/16 - UNLOCATABLE PARTIES

Alex M. Roter
Ann S. Ragsdale
Arturo G. Sterling
Don Friedman
Dorothy Hinchliff
First State Bank
George M. Oringdulph & H.E. Oringdulph, dec'd
Gilbert t. Kanegawa
Glenn E. Duke
Harry Bersner
Harry F. Poll
Harry L. Green, Sr.
Henry C. Landers
John L. Steffan
Lewis F. Holmes
Mark J. Sandler
MD Williams & DL Plant
Norton S. Waldfogel
Patricia A. McMillian
Robert M. Varn
Steven R. Lindesmith
Thomas Geimer
Westway Pet
Wm W. Fetner
Wm. Jacobs
LaDoca, LLC
Leroy H. Simkins
Helene B. Hewett/Barbara A Powell Trust 1
Helene B. Hewett/Barbara A Powell Trust 2
Janet S. Joslin
Leroy L. Burnette
Louesther Zwick Trust IV

Case No. 21115

MEWBOURNE OIL COMPANY

500 West Texas, Suite 1020 Midland, Texas 79701 Phone (432) 682-3715 Fax (432) 685-4170

October 16, 2019

Certified Mail

TO: WORKING INTEREST OWNERS

Re: Proposed Horizontal Tests

Section 16 and 17, Township 20 South, Range 29 East

Eddy County, New Mexico Glock 17/16 Prospect

Ladies and Gentlemen:

Mewbourne Oil Company, as Operator, hereby proposes to drill the following listed wells under our Glock 17/16 Prospect:

1) Glock 17/16 B3MP Fed Com #1H - APD Pending Approval

Surface Location: 1,300' FSL, 230' FWL, Section 17 Bottom Hole Location: 1,310' FSL, 100' FEL, Section 16

Proposed Total Vertical Depth: 9,183' Proposed Total Measured Depth: 19,348'

Formation: Bone Spring (S/2S/2) Estimated Spud: February 2020

2) Glock 17/16 W0MP Fed Com #1H – APD Pending Approval

Surface Location: 1,270' FSL, 230' FWL, Section 17 Bottom Hole Location: 440' FSL, 100' FEL, Section 16

Proposed Total Vertical Depth: 9,428' Proposed Total Measured Depth: 19,610'

Formation: Wolfcamp (S/2) Estimated Spud: March 2020

3) Glock 17/16 W0LI Fed Com #1H - APD Pending Approval

Surface Location: 2,060' FSL, 230' FWL, Section 17 Bottom Hole Location: 2,200' FSL, 100' FEL, Section 16

Proposed Total Vertical Depth: 9,428' Proposed Total Measured Depth: 19,610'

Formation: Wolfcamp (S/2) Estimated Spud: April 2020

4) Glock 17/16 B3EH Fed Com #1H - APD Pending Approval

Surface Location: 2,090' FSL, 230' FWL, Section 17 Bottom Hole Location: 2,200' FNL, 100' FEL, Section 16

Proposed Total Vertical Depth: 9,153' Proposed Total Measured Depth: 19,412'

Formation: Bone Spring (S/2N/2) Estimated Spud: May 2020

Case No. 21115

Summary of Communications

Glock 17/16 B3EH Fed Com #1H

Andrew E. MacMahon

1) Mailed well proposal via Certified Mail October 16, 2019.

Anthony Hawe

- 1) Mailed well proposal via Certified Mail October 16, 2019.
- 2) Received well proposal on October 21, 2019.

Charles C. Albright Trust

- 1) Mailed well proposal via Certified Mail October 16, 2019.
- 2) Received well proposal on October 23, 2019.

Dorothy Hinchliff

1) Mailed well proposal via Certified Mail October 16, 2019.

E. Trompter Estate

- 1) Mailed well proposal via Certified Mail October 16, 2019.
- 2) Received well proposal on October 21, 2019.

Homer C. Tutton

- 1) Mailed well proposal via Certified Mail October 16, 2019.
- 2) Received well proposal on October 26, 2019.

Ivor J. Silver

- 1) Mailed well proposal via Certified Mail October 16, 2019.
- 2) Received well proposal on October 22, 2019.
- 3) Will not participate October 23, 2019.

Jackie D. Willis

- 1) Mailed well proposal via Certified Mail October 16, 2019.
- 2) Received well proposal on October 21, 2019.

Michael H. Steinman

- 1) Mailed well proposal via Certified Mail October 16, 2019.
- 2) Received well proposal on October 19, 2019.

Robert Steinman

- 1) Mailed well proposal via Certified Mail October 16, 2019.
- 2) Received well proposal on October 29, 2019.

Judith Borger

- 1) Mailed well proposal via Certified Mail October 16, 2019.
- 2) Received well proposal on October 21, 2019.

Case No. 21115

Summary of Communications Page 2 of 3

Larry M. Pickett

1) Mailed well proposal via Certified Mail October 16, 2019.

Trust 454F

- 1) Mailed well proposal via Certified Mail October 16, 2019.
- 2) Received well proposal on October 21, 2019.

Neil W. Schilke

- 1) Mailed well proposal via Certified Mail October 16, 2019.
- 2) Received well proposal on October 19, 2019.

Sandra H. Starratt

- 1) Mailed well proposal via Certified Mail October 16, 2019.
- 2) Received well proposal on October 24, 2019.

SK Clay Trust

- 1) Mailed well proposal via Certified Mail October 16, 2019.
- 2) Received well proposal on October 25, 2019.

T. Grover Swift, Jr.

- 1) Mailed well proposal via Certified Mail October 16, 2019.
- 2) Received well proposal on October 18, 2019.

Warren N. Rosenquist

- 1) Mailed well proposal via Certified Mail October 16, 2019.
- 2) Received well proposal on October 21, 2019.

Whitney Wilson Jones

- 1) Mailed well proposal via Certified Mail October 16, 2019.
- 2) Received well proposal on October 18, 2019.

William Bondeson

- 1) Mailed well proposal via Certified Mail October 16, 2019.
- 2) Received well proposal on October 19, 2019.

St. Devote LLC

- 1) Mailed well proposal via Certified Mail October 16, 2019.
- 2) Received well proposal on October 21, 2019.

Clampett's Tea, L.L.C.

- 1) Mailed well proposal via Certified Mail October 16, 2019.
- 2) Received well proposal on October 21, 2019.

J. Bodean, LLC

- 1) Mailed well proposal via Certified Mail October 16, 2019.
- 2) Received well proposal on October 30, 2019.

William P. McCormick

Summary of Communications Page 3 of 3

- 1) Mailed well proposal via Certified Mail October 11, 2019.
- 2) Received well proposal on October 15, 2019.

Sand Dollar Petroleum

- 1) Mailed well proposal via Certified Mail October 11, 2019.
- 2) Received well proposal on October 17, 2019.
- 3) Returned AFE (only) on October 30, 2019.

Jeffery M. Johnston

- 1) Mailed well proposal via Certified Mail October 11, 2019.
- 2) Received well proposal on October 17, 2019.
- 3) Returned AFE (only) on October 30, 2019.

Michael Short

- 1) Mailed well proposal via Certified Mail October 11, 2019.
- 2) Received well proposal on October 15, 2019.
- 3) Returned AFE (only) on October 30, 2019.

Siegler Brothers Capital LLC

- 1) Mailed well proposal via Certified Mail October 11, 2019.
- 2) Received well proposal on October 18, 2019.

Karelyn Siegler

- 1) Mailed well proposal via Certified Mail October 11, 2019.
- 2) Received well proposal on October 15, 2019.

WP Kendall

- 1) Mailed well proposal via Certified Mail October 16, 2019.
- 2) Received well proposal on October 22, 2019.

WPX Energy Permian, LLC

- 1) Mailed well proposal via Certified Mail October 11, 2019.
- 2) Received well proposal on October 15, 2019.
- 3) Email WPX-MOC January 15, 2020 JOA inquiry
- 4) Email MOC-WPX January 16, 2020 JOA attached
- 5) Email WPX-MOC January 16, 2020 confirmed receipt
- 6) Email WPX-MOC January 29, 2020
- 7) Email MOC-WPX January 29, 2020
- 8) Email MOC-WPX February 28, 2020 waiting on decision
- 9) Email WPX-MOC March 2, 2020 working JOA edits
- 10) Email MOC-WPX March 2, 2020 edits made
- 11) Email WPX-MOC March 3, 2020 edits received
- 12) Email WPX-MOC March 5, 2020 edits approved
- 13) Email WPX-MOC March 25, 2020 status
- 14) Email MOC-WPX March 25, 2020 status update delivered

EXHIBIT "A"

Attached to and made a part of that certain Operating Agreement dated February 1, 2019, by and between MEWBOURNE OIL COMPANY as Operator and Marathon Oil Permian LLC, et al, as Non-Operators.

1. <u>LANDS SUBJECT TO THIS AGREEMENT:</u>

CONTRACT AREA A:

Township 20 South, Range 29 East, N.M.P.M., Eddy County, New Mexico

Section 16: All, Section 17: All,

containing 1,280.00 acres, more or less.

DEPTH RESTRICTIONS AND EXCLUSIONS:

This Agreement covers all depths from the top of the Third Bone Spring sand, defined as the stratigraphic equivalent of 8,880°, as referenced in the Gatling 16 Federal #1 well (API# 30-015-35004), located in Section 16, Township 20 South, Range 29 East, Eddy County, New Mexico to the base of the Bone Spring formation, defined as the stratigraphic equivalent of 9,275°, as referenced in the Gatling 16 Federal #1 well (API# 30-015-35004), located in Section 16, Township 20 South, Range 29 East, Eddy County, New Mexico.

CONTRACT AREA B:

Township 20 South, Range 29 East, N.M.P.M., Eddy County, New Mexico

Section 16: All, Section 17: All, containing 1,280.00 acres, more or less.

DEPTH RESTRICTIONS AND EXCLUSIONS:

This Agreement covers all depths from the base of the Bone Spring sand, defined as the stratigraphic equivalent of 9,275', as referenced in the Gatling 16 Federal #1 well (API# 30-015-35004), located in Section 16, Township 20 South, Range 29 East, Eddy County, New Mexico to the base of the Wolfcamp formation, defined as the stratigraphic equivalent of 10,071', as referenced in the Gatling 16 Federal #1 well (API# 30-015-35004), located in Section 16, Township 20 South, Range 29 East, Eddy County, New Mexico.

2. ADDRESSES OF THE PARTIES:

Mewbourne Oil Company 500 West Texas, Suite 1020 Midland, Texas 79701 Attn: Land Department

Phone: (432) 682-3715

AmericaWest Resources, LLC P.O. Box 3383 Midland, Texas 79702 Phone: (432) 683-6789

WPX Energy Permian, LLC 3500 One Williams Center MD35 Tulsa, Oklahoma 74172 Attn: Mr. Tanner Tepe Phone: (539) 573-3576

Axis Energy Corporation 121 West 3rd Street Roswell, New Mexico 88201 Phone: (575) 622-4182 McCombs Exploration, LLC 750 East Mulberry Avenue, #403 San Antonio, Texas 78212-6013 Attn: Mr. Gary V. Woods Phone: (210) 821-6523

Brooks Oil & Gas Interests, Ltd. 2926 Viale Seravezza Santa Fe, New Mexico 87505 Attn: Mr. David K. Brooks Phone: (505) 476-3415

Great Western Drilling, Ltd. P.O. Box 1659 Midland, Texas 79702 Attn: Mr. F. Carter Muire Phone: (432) 682-5241

Wildcat Energy, LLC Post Office Box 13323 Odessa, Texas 79768 Phone: (432) 563-8130

Case No. 21115

MEWBOURNE OIL

Exhibit A-9

Vladin, LLC 105 South Fourth Street Artesia, New Mexico 88210-2177 Phone: (575) 736-4000)

Davoil, Inc. P.O. Box 122269

Fort Worth, Texas 76121-2269 Phone: (817) 737-6678

James Roby Clopton, Inc. POB 3601 McAllen, Texas 78504

Greenstar Resources, L.L.C. Roger L. Beavers, Inc. POB 721930 Norman, Oklahoma 73070-8472 Attn: Mr. Roger L. Beavers Phone: (405) 310-3369

William R. Manclark 313 East Bay Front Balboa Island, California 92662

Sharbro Energy, LLC 327 West Main Artesia, New Mexico 88210 Attn: Ms. Elizabeth Baker Phone: (575) 736-6606

Russell S. Sampson 14534 Glendale Avenue SE Prior Lake, Minnesota 55372-1407 Phone: (612) 865-5501

3. PERCENTAGES OF THE PARTIES:

Working Interest Owner

Mewbourne Oil Company AmericaWest Resources, LLC

WPX Energy Permian, LLC

Davoil, Inc.

McCombs Exploration, LLC

Sharbro Energy, LLC

Santo Legado, LLC

Brooks Oil & Gas Interests, Ltd.

Great Western Drilling, Ltd.

Axis Energy Corporation Wildcat Energy, LLC

Vladin, LLC

Greenstar Resources, L.L.C.

Roger L. Beavers, Inc.

James Roby Clopton, Inc.

William R. Manclark

Russell S. Sampson

Contract Area A (1) Uncomitted Working Interest: 21.501515%

Contract Area B (2) Uncommitted Working Interest: 53.144370%

> The above listed interests [(1) & (2)] are representative of 100% of the working interest made up of lands covered by this Agreement and being controlled by the parties to this Agreement. Should the spacing unit for a particular well drilled under the terms of this Agreement include some or all of the interests listed above as Uncommitted Working Interest, the interests of the parties to this Agreement will be adjusted to account for the uncommitted interests.

4. OIL AND GAS LEASES SUBJECT TO THIS AGREEMENT:

Lease Serial No.:

NMNM 0554771.

Dated:

September 1, 1964.

Lessor: Lessee:

United States of America. Jennie Beth Edwards.

Recorded:

Unrecorded in Eddy County.

Lands:

Township 20 South, Range 29 East, N.M.P.M., Eddy County, New Mexico

Section 16: All,

containing 640.00 acres, more or less.

Lease Serial No.:

NMNM 01165.

Dated:

July 1, 1950.

Lessor: Lessee: United States of America.

S. P. Yates, as Executor of the Estate of Martin Yates, Jr., Deceased.

Recorded:

Unrecorded in Eddy County.

Lands:

Township 20 South, Range 29 East, N.M.P.M., Eddy County, New Mexico

Section 17: All,

containing 640.00 acres, more or less.

5. **BURDENS ON PRODUCTION:**

Burdens of record as of the effective date of this Agreement.

End of Exhibit "A"

Case No. _____: Application of Mewbourne Oil Company for compulsory pooling,

Eddy County, New Mexico. Applicant seeks an order pooling all uncommitted mineral interests in the Bone Spring formation in a 320-acre, more or less, standard horizontal spacing unit comprised of the S/2 N/2 of Section 17 and the S/2 N/2 of Section 16, Township 20 South, Range 29 East in Eddy County, New Mexico. The horizontal spacing unit will be dedicated to the Glock 17/16 B3EH Fed Com #1H well, which will be horizontally drilled from a surface location in Unit L in Section 17 to a bottom hole location in Unit H in Section 16, Township 20 South, Range 29 East. The completed interval for the well will be orthodox. Also to be considered will be the costs of drilling and completing the well and the allocation of the costs, the designation of Mewbourne Oil Company as the operator of the well, and a 200% charge for the risk involved in drilling and completing the well. The well is located approximately thirteen (13) miles northeast of Carlsbad, New Mexico.

Case No. 21115

MEWBOURNE OIL

Fxhibit Δ-10



HINKLE SHANOR LLP

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

WRITER

Dana S. Hardy, Partner dhardy@hinklelawfirm.com

February 10, 2020

VIA CERTIFIED MAIL

Alex M. Roter 2 Westbury Drive St. Charles, MO 63301

Mewbourne Oil Company NMOCD Applications

Dear Mr. Roter:

Case No. 21115

MEWBOURNE OIL

Exhibit A-11

Enclosed are copies of three applications for compulsory pooling that Mewbourne Oil Company ("Mewbourne") has filed with the New Mexico Oil Conservation Division ("the Division"). The applications request the following.

- 1. In Case No. 21114, Mewbourne requests an order pooling all uncommitted mineral interests in the Wolfcamp formation in a 640-acre, more or less, standard horizontal spacing unit comprised of the S/2 of Section 17 and the S/2 of Section 16, Township 20 South, Range 29 East in Eddy County, New Mexico. The horizontal spacing unit will be dedicated to the Glock 17/16 WOLI Fed Com #1H and Glock 17/16 WOMP Fed Com #1H wells.
- 2. In Case No. 21115, Mewbourne requests an order pooling all uncommitted mineral interests in the Bone Spring formation in a 320-acre, more or less, standard horizontal spacing unit comprised of the S/2 N/2 of Section 17 and the S/2 N/2 of Section 16, Township 20 South, Range 29 East in Eddy County, New Mexico. The horizontal spacing unit will be dedicated to the Glock 17/16 B3EH Fed Com #1H well.
- 3. In Case No. 21116, Mewbourne requests an order pooling all uncommitted mineral interests in the Bone Spring formation in a 640-acre, more or less, proximity tract horizontal spacing unit comprised of the S/2 of Section 17 and the S/2 of Section 16, Township 20 South, Range 29 East in Eddy County, New Mexico. The horizontal spacing unit will be dedicated to the Glock 17/16 B3MP Fed Com #1H well.

These matters are scheduled for hearing at 8:15 a.m. on Thursday, March 5, 2020 in Porter Hall at the Division's offices located at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by Mewbourne's applications, you may appear at the hearing and present testimony. If you do not appear at that time and become a party of record, you will be precluded from contesting the matters at a later date.

February 10, 2020 Page 2

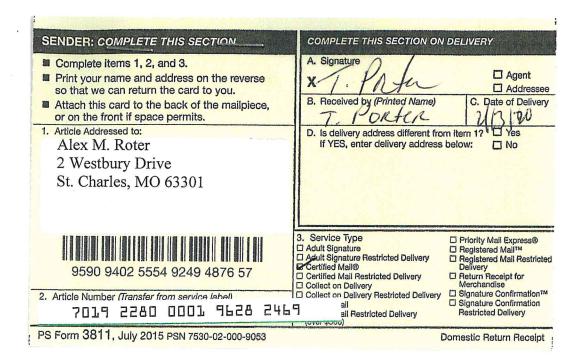
A party appearing in a Division case is required by the Division's Rules to file a Pre-Hearing Statement, which in these matters must be filed no later than Thursday, February 27, 2020. The Pre-Hearing Statement must be filed with the Division's Santa Fe office at the address above, and should include: the name of the party and the party's attorney; a concise statement of the case; the name(s) of the witness(es) the party will call to testify at the hearing; the approximate amount of time the party will need to present the party's case; and an identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to me.

Thank you for your attention to this matter.

Very truly yours

Dana S. Hardy

Enclosure



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CENTED CONTRACT THE SECTION	COMPLETE THIS SECTION ON DELIVERY
SENDER: COMPLETE THIS SECTION	
Complete items 1, 2, and 3.	A. Signature
Print your name and address on the reverse	X Day Addresses
so that we can return the card to you.	B. Received by (Printed Name) C. Date of Delivery
Attach this card to the back of the mailpiece, or on the front if space permits.	Scretha Gregg 2-14-20
1 Article Addressed to:	D. Is delivery address different from item 1? Yes
Karelyn Siegler	
	If YES, enter delivery address below: No
	If YES, enter delivery address below:
c/o Wells Fargo Bank, N.A.	If YES, enter delivery address below:
c/o Wells Fargo Bank, N.A. P.O. Box 41779	If YES, enter delivery address below:
c/o Wells Fargo Bank, N.A.	If YES, enter delivery address below:
c/o Wells Fargo Bank, N.A. P.O. Box 41779	
c/o Wells Fargo Bank, N.A. P.O. Box 41779	3. Service Type ☐ Priority Mail Express®
c/o Wells Fargo Bank, N.A. P.O. Box 41779 Austin, TX 79704	3. Service Type ☐ Priority Mail Express®☐ Adult Signature ☐ Registered Mail™☐ Registered Mail Restricted Delivery ☐ Registered Mail Restricted
c/o Wells Fargo Bank, N.A. P.O. Box 41779 Austin, TX 79704	3. Service Type
c/o Wells Fargo Bank, N.A. P.O. Box 41779 Austin, TX 79704	3. Service Type
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c/o Wells Fargo Bank, N.A. P.O. Box 41779 Austin, TX 79704 1111 1111 1111 1111 1111 1111 1111 1	3. Service Type □ Adult Signature □ Adult Signature Restricted Delivery □ Certified Mail® □ Certified Mail® □ Collect on Delivery □ Collect on Delivery □ Collect on Delivery Restricted Delivery □ Collect Delivery □ Collect On Delivery □ Confirmation Restricted Delivery □ Confirmation Restricted Delivery □ Complete This Section on Delivery COMPLETE This Section on Delivery A. Signature
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c/o Wells Fargo Bank, N.A. P.O. Box 41779 Austin, TX 79704 11111111111111111111111111111111111	3. Service Type □ Adult Signature □ Adult Signature Restricted Delivery □ Certified Mail® □ Certified Mail® □ Certified Mail Restricted Delivery □ Collect on Delivery □ Collect on Delivery □ Collect on Delivery Restricted Delivery □ Collect On Delivery □ Collect On Delivery □ Collect On Delivery □ Restricted Delivery □ Signature Confirmation Restricted Delivery □ Domestic Return Receipt COMPLETE THIS SECTION ON DELIVERY A. Signature □ Addressee □ B. Received by (Printed Name) □ C. Date of Delivery D. Is delivery address different from item 1? □ Yes
c/o Wells Fargo Bank, N.A. P.O. Box 41779 Austin, TX 79704 1111 1111 1111 1111 1111 1111 1111 1	3. Service Type Adult Signature Adult Signature Restricted Delivery Certified Mail® Certified Mail® Collect on Delivery Collect on Delivery Restricted Delivery Collect on Delivery Restricted Delivery Collect Delivery Collect On Delivery Restricted Delivery Collect On Delivery Restricted Delivery Collect On Delivery Collect On Delivery Restricted Delivery Collect On Delivery Restricted Delivery Complete This Section on Delivery Complete This Section on Delivery A. Signature A. Signature A. Signature A. Signature Complete This Section on Delivery Complete This Sec
c/o Wells Fargo Bank, N.A. P.O. Box 41779 Austin, TX 79704 2550 9402 5554 9249 4885 93 2 Article Number (Transfer from service label) 7018 2290 000 3428 15 PS Form 3811, July 2015 PSN 7530-02-000-9053 SENDER: COMPLETE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to: LaDoca, LLC	3. Service Type □ Adult Signature □ Adult Signature Restricted Delivery □ Certified Mail® □ Certified Mail® □ Certified Mail Restricted Delivery □ Collect on Delivery □ Collect on Delivery □ Collect on Delivery Restricted Delivery □ Collect On Delivery □ Collect On Delivery □ Collect On Delivery □ Restricted Delivery □ Signature Confirmation Restricted Delivery □ Domestic Return Receipt COMPLETE THIS SECTION ON DELIVERY A. Signature □ Addressee □ B. Received by (Printed Name) □ C. Date of Delivery D. Is delivery address different from item 1? □ Yes
c/o Wells Fargo Bank, N.A. P.O. Box 41779 Austin, TX 79704 1111 1111 1111 1111 1111 1111 1111 1	3. Service Type □ Adult Signature □ Adult Signature Restricted Delivery □ Certified Mail® □ Certified Mail® □ Certified Mail Restricted Delivery □ Collect on Delivery □ Collect on Delivery □ Collect on Delivery Restricted Delivery □ Collect On Delivery □ Collect On Delivery □ Collect On Delivery □ Restricted Delivery □ Signature Confirmation Restricted Delivery □ Domestic Return Receipt COMPLETE THIS SECTION ON DELIVERY A. Signature □ Addressee □ B. Received by (Printed Name) □ C. Date of Delivery D. Is delivery address different from item 1? □ Yes
c/o Wells Fargo Bank, N.A. P.O. Box 41779 Austin, TX 79704 2550 9402 5554 9249 4885 93 2 Article Number (Transfer from service label) 7018 2290 000 3428 15 PS Form 3811, July 2015 PSN 7530-02-000-9053 SENDER: COMPLETE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to: LaDoca, LLC	3. Service Type □ Adult Signature □ Adult Signature Restricted Delivery □ Certified Mail® □ Certified Mail® □ Certified Mail Restricted Delivery □ Collect on Delivery □ Collect on Delivery □ Collect on Delivery Restricted Delivery □ Collect On Delivery □ Collect On Delivery □ Collect On Delivery □ Restricted Delivery □ Signature Confirmation Restricted Delivery □ Domestic Return Receipt COMPLETE THIS SECTION ON DELIVERY A. Signature □ Addressee □ B. Received by (Printed Name) □ C. Date of Delivery D. Is delivery address different from item 1? □ Yes
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c/o Wells Fargo Bank, N.A. P.O. Box 41779 Austin, TX 79704 2590 9402 5554 9249 4885 93 2. Article Number (Transfer from service label) 7018 2290 000 3428 15 PS Form 3811, July 2015 PSN 7530-02-000-9053 SENDER: COMPLETE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to: LaDoca, LLC P.O. Box 631449 Houston, TX 77263	3. Service Type Adult Signature Restricted Delivery Certified Mail® Certified Mail Restricted Delivery Collect on Delivery Restricted Delivery Collect on Delivery Restricted Delivery Collect on Delivery Restricted Delivery Restricted Delivery Restricted Delivery Restricted Delivery Complete This Section on Delivery Domestic Return Receipt COMPLETE THIS SECTION ON DELIVERY A. Signature Addressee B. Received by (Printed Name) C. Date of Delivery C. Date of Delivery 3. Service Type Adult Signature Adult Signature Adult Signature Registered Mail Restricted Delivery Certified Mail®
c/o Wells Fargo Bank, N.A. P.O. Box 41779 Austin, TX 79704 1111 1111 1111 1111 1111 1111 1111 1	3. Service Type □ Adult Signature □ Adult Signature Restricted Delivery □ Certified Mail® □ Certified Mail® □ Collect on Delivery □ Collect on Delivery □ Collect on Delivery □ Collect on Delivery □ Collect Delivery □ Collect On Delivery □ Restricted Delivery □ Restricted Delivery □ Restricted Delivery □ Complete This Section on Delivery □ Domestic Return Receipt COMPLETE THIS SECTION ON DELIVERY A. Signature □ Adult Signature □ Registered Mail™ □ Registered Mail Restricted Delivery □ Registered Mail™ □ Registered Mail Restricted Delivery

7019 2280 0001 9628 7273

Domestic Return Receipt

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only 9628 Certified Mail Fee Extra Services & Fees (check box, add fee as appli Return Receipt (hardcopy) 1000 Return Receipt (electronic) Postmark Certified Mail Restricted Delivery \$ Adult Signature Required \$ Adult Signature Restricted Delivery \$ Here 2280 Postage Total Postage and Fees U Sent To Larry M. Pickett 707 860 W. Hickory Point Rd Street and Apt. No., or Decator, IL 62526 City, State, ZIP+4®

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. Article Addressed to: Leroy H. Simkins Indian Creek Rd Augusta, GA 30909	A. Signature X
9590 9402 5554 9249 4886 47 2. Article Number (<i>Transfer from service label</i>) 7019 2280 0001 9628 72 PS Form 3811, July 2015 PSN 7530-02-000-9053	3. Service Type ☐ Adult Signature ☐ Adult Signature Restricted Delivery ☐ Certified Mail® ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery ☐ Collect on Delivery ☐ Collect on Delivery ☐ Collect on Delivery ☐ Collect Operation Testricted Delivery ☐ Collect Operation Testricted Delivery ☐ Collect Operation Testricted Delivery ☐ Signature Confirmation Testricted Delivery ☐ Sommerstic Return Receipt Operation Testricted Delivery

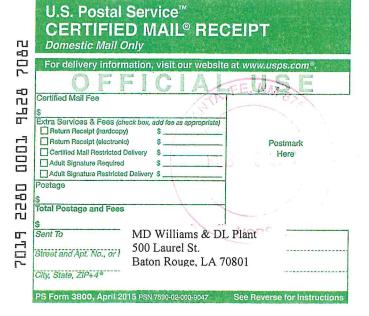
U.S. Postal Service™ **CERTIFIED MAIL® RECEIPT** Domestic Mail Only 9628 Certified Mail Fee \$
Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy)

\$ 1000 Return Receipt (electronic) Postmark Certified Mail Restricted Delivery Here Adult Signature Required Adult Signature Restricted Delivery \$ 15명 Postage Total Postage and Fees 5 Lewis F. Holmes Sent To 707 1109 SC Highway 191 Street and Apt. A Trenton, SC 29847 City, State, ZIP+4® PS Form 3800, April 2015 PSN 7530-02-000-9047



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밀		(check box, add fee as appropriate)	
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000	Certified Mail Restrict	ed Delivery \$	Here
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rū	e	03	
	Sent To	Mark J. Sandler	
7		16 West Road	
707	Street and Apt. No.,	Short Hills, ND 07078	
•	City, State, ZIP+4®		***************************************
	PS Form 3800, April	2015 PSN 7530-02-000-9047	See Reverse for Instructions



the state of the s	
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
Complete items 1, 2, and 3.	A. Signature
Print your name and address on the reverse so that we can return the card to you.	XCMlyn Milimm D Addressee
Attach this card to the back of the mailpiece,	B. Received by (Printed Name) C. Date of Delivery
or on the front if space permits. 1. Article Addressed to:	D. Is delivery address different from item 1? Yes
Michael H. Steinman	If YES, enter delivery address below:
16358 E. Jacklin Dr.	
Fountain Hills, AZ 85268	S
, = = = = = = = = = = = = = = = = = = =	(8)
34 Bond	(2)
	3. Service Type 85 ☐ Priority Mall Express® ☐ Adult Signature ☐ Registered Mail™
	☐ Adult Signature Restricted Delivery ☐ Registered Mail Restricted Delivery
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A state Number (Transfer from service label)	☐ Collect on Delivery Restricted Delivery ☐ Signature Confirmation™ ☐ Signature Confirmation
7019 2280 0001 9628 703	lali Restricted Delivery Restricted Delivery
PS Form 3811, July 2015 PSN 7530-02-000-9053	Domestic Return Receipt
1	
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
Complete items 1, 2, and 3.	A. Signature
Print your name and address on the reverse	X Addressee
so that we can return the card to you. Attach this card to the back of the mailpiece,	B. Received by (Printed Name) C. Date of Delivery
or on the front if space permits.	michael had 219-28
1. Article Addressed to: Michael Short	D. Is delivery address different from item 1? Yes If YES, enter delivery address below: No
1309 Brighton Place	
Midland, TX 79705	
Wildiand, 120 77703	
	3. Service Type ☐ Priority Mail Express®
	☐ Adult Signature ☐ Adult Signature Restricted Delivery ☐ Adult Signature Restricted Delivery ☐ Certified Mail® ☐ Delivery
9590 9402 5554 9249 4886 16	☐ Certified Mail Restricted Delivery ☐ Return Receipt for
2. Article Number (Transfer from service label)	☐ Collect on Delivery ☐ Collect on Delivery Restricted Delivery ☐ Insured Mail ☐ Signature Confirmation ☐ Signature Confirmation
7019 2280 0001 9628 733	Restricted Delivery
PS Form 3811, July 2015 PSN 7530-02-000-9053	Domestic Return Receipt
the parties of	
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
Complete items 1, 2, and 3.	A. Signature
Print your name and address on the reverse so that we can return the card to you.	X Aldressee
Attach this card to the back of the mailpiece,	B. Received by (Printed Name) C. Date of Delivery
or on the front if space permits. 1. Article Addressed to:	7000 779-04)
Neil W. Schilke	D. Is delivery address different from item 1? Yes If YES, enter delivery address below: No
1820 N. Nye Ave.	A CO
Freemont, NE 68025	[[] [] []
Troumont, IND 00025	2
-	8 /8/
	3. Service Type STOP Priority Mail Express®
	☐ Adult Signature ☐ Adult Signature Restricted Delivery ☐ Getified Mail® ☐ Registered Mail Restricted ☐ Delivery ☐ Delivery ☐ Delivery
9090 9402 0004 9249 4879 47	☐ Certified Mail Restricted Delivery ☐ Return Receipt for
Article Number (Transfer from service label)	□ Collect on Delivery
7019 2280 0001 9628 709	Restricted Delivery

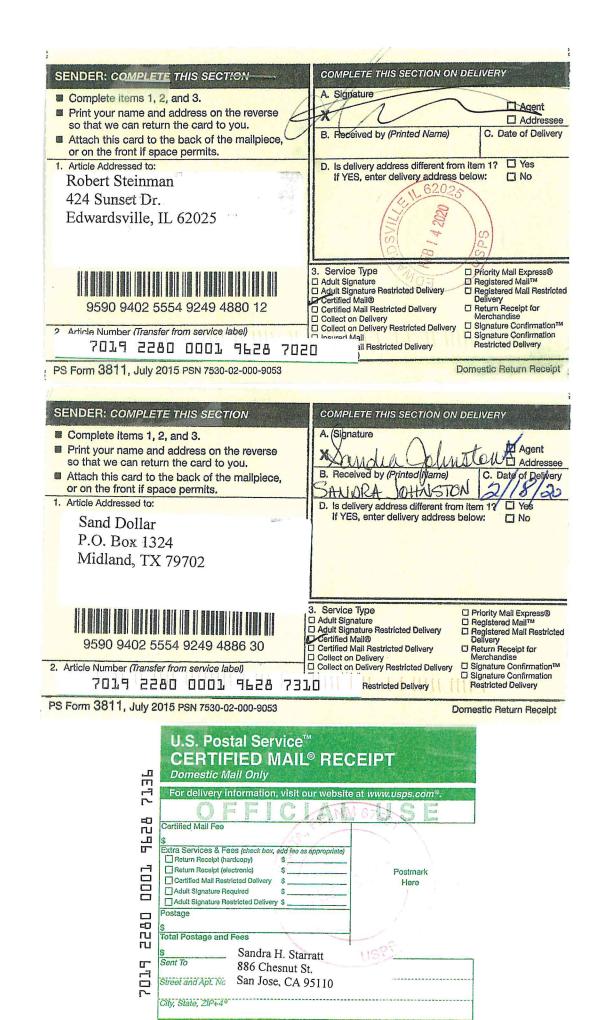
PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

U.S. Postal Service™ **CERTIFIED MAIL® RECEIPT** 7105 Domestic Mail Only =0 Certified Mail Fee 162 Extra Services & Fees (check box, add fee as appropriate) Return Receipt (hardcopy) TOOO Return Receipt (electronic) Postmark Certified Mail Restricted Delivery Here Adult Signature Required Adult Signature Restricted Delivery \$ 2280 Postage Total Postage and Fees Norton S. Waldfogel 16 Brown Rd Street and Apt. No., Swampscott, MA 01907 City, State, ZIP+4® PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

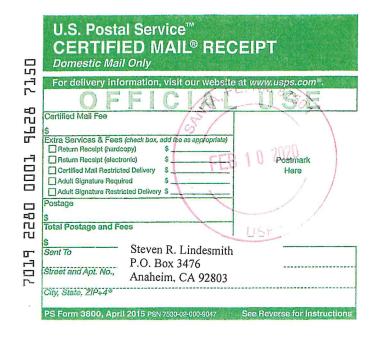
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-	Austin, TX 78746	
7019	Street and Apt. No., or PO Box No.	
L~	City, State, ZIP+4®	
	PS Form 3800, April 2015 PSN 7530-02-000-9047 Se	e Reverse for Instructions





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

	CONTRACT THE SECTION ON BELLIFERY
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY A. Signature
Complete items 1, 2, and 3. Print your name and address on the reverse	□ Agent
so that we can return the card to you.	B. Received by (Printed Name) C. Bate of Delivery
Attach this card to the back of the mailpiece, or on the front if space permits.	Car 00 4130
1. Article Addressed to:	D. Is delivery address different from item 1? Yes
Siegler Brothers Capital LLC	If YES, enter delivery address below: No
7 Windermere Lane	
Houston, TX 77063	
+ (). The state of	3. Service Type Priority Mail Express®
	☐ Adult Signature ☐ Registered Mail™ ☐ Registered Mail Restricted
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PS Form 3811, July 2015 PSN 7530-02-000-9053	Domestic Return Receipt
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
Complete items 1, 2, and 3.	A. Signiture
Print your name and address on the reverse so that we can return the card to you.	Addressee
Attach this card to the back of the mailpiece,	B. Received by Primed Name) C. Date of Delivery
or on the front if space permits. 1. Article Addressed to:	D. Is delivery address different from item 1? Yes
SK Clay U/TRT	If YES, enter delivery address below: No
c/o. Northern Bank Trust	If YES, enter delivery address below:
700 Bickell Ave.	2000
Miami, FL 33131	3
	The state of the s
	3. Service Type 33101 Priority Mail Express® Pagistered Mail™
9590 9402 5554 9249 4888 21	☐ Adult Signature Restricted Delivery ☐ Registered Mail Restricted Delivery
	☐ Certified Mail Restricted Delivery ☐ Collect on Delivery ☐ Collect on Delivery Restricted Delivery ☐ Collect on Delivery Restricted Delivery ☐ Signature Confirmation™
7019 2280 0001 9628 714	ail Signature Confirmation
PS Form 3811, July 2015 PSN 7530-02-000-9053	Domestic Return Receipt
SENDED, COMPLETE THE SECTION	COMPLETE THIS SECTION ON DELIVERY
SENDER: COMPLETE THIS SECTION	
Complete items 1, 2, and 3. Print your name and address on the reverse	A. Signature
so that we can return the card to you.	X Addressee
Attach this card to the back of the mailpiece, or on the front if space permits.	B. Received by (Printed Name) C. Date of Delivery
Article Addressed to:	D. Is delivery address different from item 1? Yes
St. Devote LLC	If YES, enter delivery address below:
919 Milam St., #2475	A SHALL SHOW A SHALL SHOW A SHALL SHOW
Houston, TX 77002	
	3. Service Type ☐ Priority Mail Express® ☐ Adult Signature ☐ Registered Mall™
and or restored areas, 1992 or 4301 or only 1100 of a challenge, 17150 of 1.4 5 512	☐ Adult Signature Restricted Delivery ☐ Registered Mail Restricted ☐ Delivery ☐ Delivery
9590 9402 5554 9249 4886 92	☐ Certified Mail Restricted Delivery ☐ Return Receipt for Merchandise
2 Article Number (Transfer from service label)	☐ Collect on Delivery Restricted Delivery ☐ Signature Confirmation ☐ Insured Mall ☐ Signature Confirmation
7019 2280 0001 9628 725	Restricted Delivery Restricted Delivery



SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
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. Article Addressed to: Estate of T. Grover Swift, Jr. Juliasue Swift 749 N. Main St. Fort Worth, TX 76164	A. Signature X
9590 9402 5554 9249 4888 07 2. Article Number (Transfer from service label) 7019 2280 0001 9628 73	3. Service Type □ Adult Signature □ Adult Signature Restricted Delivery □ Certified Mail® □ Certified Mail® □ Certified Mail® □ Collect on Delivery □ Collect on Delivery □ Collect on Delivery Restricted Delivery □ Insurad Mail □ Restricted Delivery
PS Form 3811, July 2015 PSN 7530-02-000-9053	Domestic Return Receipt



U.S. Postal Service™ **CERTIFIED MAIL® RECEIPT** 7181 Domestic Mail Only 9628 Certified Mail Fee Extra Services & Fees (check box, add fee as appropriate) Return Receipt (hardcopy) \$ Return Receipt (electronic) \$ Certified Mail Restricted Delivery \$ Adult Signature Required \$ Adult Signature Restricted Delivery \$ 0001 Postmark Here Postage Total Postage and Fees Warren N. Rosenquist 707 35 Fagan Dr. Street and Apt. I Hillsborough, CA 94010 City, State, ZIP+4® PS Form 3800, April 2015 PSN 7530-02-000-9047

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only 9628 Certified Mail Fee Extra Services & Fees (check box, add fee as appropriate) Return Receipt (hardcopy) 1000 Return Receipt (electronic) Certified Mail Restricted Delivery Here Adult Signature Required \$ Adult Signature Restricted Delivery \$ 2280 Postage Total Postage and Fees 7019 Sent To Westway Pet 6400 N. Ctrl Expswy, #308 Street and Apt. No., o Dallas, TX 75206 PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON	DELIVERY
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. Article Addressed to: Whitney Wilson Jones 601 Bailey Ave. Fort Worth, TX 76107	A. Signature B. Received by (Printed Name) D. Is delivery address different fro If YES, enter delivery address	
9590 9402 5554 9249 4887 60 2. Article Number (Transfer from service label) 7019 2280 0001 9628 7204	3. Service Type Adult Signature Adult Signature Restricted Delivery Certified Mail® Certified Mail Restricted Delivery Collect on Delivery Collect on Delivery Insured Mail tall Restricted Delivery 0)	☐ Priority Mail Express® ☐ Registered Mail [™] ☐ Registered Mail Restricted Delivery ☐ Return Receipt for Merchandise ☐ Signature Confirmation Restricted Delivery
PS Form 3811, July 2015 PSN 7530-02-000-9053		Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY SENDER: COMPLETE THIS SECTION A. Signature Complete items 1, 2, and 3. ☐ Agent Print your name and address on the reverse Addressee so that we can return the card to you. C. Date of Delivery B. Received by (Printed Name) Attach this card to the back of the mailpiece, 2-18-20 or on the front if space permits. D. Is delivery address different from item 1? ☐ Yes 1. Article Addressed to: □ No If YES, enter delivery address below: William Bondeson 913 Leland Ridge Rd Columbia, MO 65203 3. Service Type ☐ Priority Mail Express® Registered Mail Mestricted Delivery Receipt for Merchandise ☐ Adult Signature ☐ Adult Signature Restricted Delivery ☐ Certified Mail® ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery ☐ Collect on Delivery Restricted Delivery 9590 9402 5554 9249 4887 39 ☐ Signature Confirmation™☐ Signature Confirmation Restricted Delivery 2. Article Number (Transfer from service label) 7019 2280 0001 9628 7211 Restricted Delivery PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

	U.S. Postal Service [™]
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	Certified Mail Restricted Delivery \$ Here
님	Adult Signature Required \$
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П	\$
<u></u>	Sent To William Jacobs
	Street and Apt. No., or PC 300 Revere Rd
701	Columbus, OH 04321
	PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

City, State, ZIP+4°	
PS Form 3800, April 2015 PSN 7530	-02-000-9047 See Reverse for Instructions
SENDER: COMPLETE THIS SECTION———	COMPLETE THIS SECTION ON DELIVERY
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: William P. McCormick P.o. Box 57887 Bend, OR 97708	A. Signature X
9590 9402 5554 9249 4887 46 2 Article Number (Transfer from service label) 7019 2280 0001 9628 730	3. Service Type Adult Signature Restricted Delivery Registered Mail™ Registered Mail Restricted Delivery Registered Mail Restricted Delivery Restricted Delivery Restricted Delivery Restricted Delivery Restricted Delivery Signature Confirmation™ Signature Confirmation™ Signature Confirmation™ Restricted Delivery Registered Mail Express® Registered Mail Restricted Delivery Restricted Delivery Registered Mail Restricted Delivery Registered Mail Restricted Delivery Restricted Delivery
PS Form 3811, July 2015 PSIN 7000-02 02	Domestic Return Receipt

	U.S. Postal Service [™] CERTIFIED MAIL [®] RECEIPT
	Domestic Mail Only
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	Street and Apt. No., or 10 S. Broadway
L-	St. Louis. MO 63102
	City, State, ZIP+4®
	PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions
	PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



03/04/20 RETURN TO SENDER UNCLAIMED UNABLE TO FORWARD RETURN TO SENDER 84068-RFS-1N -R-T-S-

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☐ Not Deliverable As Pullingeral

Les Unchaimed | Refused O Insufficient Address ☐ Unable To Forward

Attempted - Not Known

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Carlsbad Current Argus.

Affidavit of Publication Ad # 0004052983 This is not an invoice

HINKLE SHANOR LLP POBOX 10

ROSWELL, NM 88202-0010

I, a legal clerk of the Carlsbad Current Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

February 12, 2020

Legal Clerk

Subscribed and swom before me this February 12,

2020:

State of WI, County of Brown NOTARY PUBLIC

My commission expires

Ad # 0004052983 PO #: 21115 # of Affidavits 1

This is not an invoice

NANCY HEYRMAN Notary Public State of Wisconsin

Case No. 21115

MEWBOURNE OIL Exhibit A-12

This is to notify all interest-ed parties, including Alex M. Roter, Andrew E. MacMahon, Ann S. Rags-MacMahon, Ann S. Ragsdale, Anthony Hawe, Arturo G. Sterling, Charles C. Albright Trust, Don Friedman, Dorothy Hinchliff, E. Trompeter Estate c/o Robin Trompeter, First State Bank c/o Alston R. Colbert, George M. Oringdulph c/o Rob Oringdulph, the Estate of H.E. Oringdulph, Gilbert T. Kanegawa, Glenn E. Duke, Harry Bersner, Harry F. Poll, Kanegawa, Glenn E. Duke, Harry Bersner, Harry F. Poll, Harry L. Green, Sr., Henry C. Landers, Homer C. Tutton, Ivor J. Silver, Jackie D. Willis, John L. Steffan Oo Lloyd Steffan, Michael H. Steinman, Robert Steinman, Judith Borger, Larry M. Pickett, Lewis F. Holmes, Lillian Kamph, Trustee of Trust 454F Oo Marcia F. Kamph, Trustee, Mark J. Sandler, MD Williams & DL Plant, Neil W. Schilke, Norton S. Trustee, Mark J. Sandler, MD
Williams & DL Plant, Neil W.
Schilke, Norton S.
Waldfogel, Patricia A.
McMillian, Robert M. Varn,
Sandra H. Starratt c/o RLS,
Inc., SK Clay U/TRT 6-21-78
c/o Northern Bank Trust,
Steven R. Lindesmith c/o JW
Flammer Co., the Estate of
T. Grover Swift, Jr. c/o
Juliasue Swift, Thomas
Geimer, Warren N.
Rosenquist, Westway Pet c/o
Benjamin H. Read, Whitney
Wilson Jones, William
Bondeson, William W.
Fetner c/o Lawton Byrne,
William Jacobs, WP Kendall
U/TRT 6-21-78 c/o Northern
Bank Trust, St. Devote LLC,
Clampett's Tea, LLC, LaDoca,
LLC, J. Bodean, LLC, Leroy H.
Simkins, Helene B.
Hewett/Barbara A. Powell
Trust 1, Helene B.
Hewett/Barbara A. Powell
Trust 2, Janet S. Joslin, Leroy
L. Burnette, Louesther Zwick
Trust IV, William P.
McCormick, Sand Dollar,
Jeffery M. Johnston, Michael
Short, Siegler Brothers Capital LLC, Karelyn Siegler c/o Jeffery M. Johnston, Michael Short, Siegler Brothers Capital LLC, Karelyn Siegler do Wells Fargo Bank, N.A., and their successors and assigns, that the New Mexico Oil Conservation Division will conduct a hearing on an application submitted by Mewbourne Oil Company (Case No. 21115) at 8:15 a.m. on March 5, 2020 in Porter Hall at 1220 South St. Francis Drive, Santa Fe, New Francis Drive, Santa Fe, New

Mexico. Applicant seeks an order pooling all uncommitted mineral interests in the Bone Spring formation in a 320-acre, more or less, standard horizontal spacing unit comprised of the 5/2 N/2 of Section 17 and the 5/2 N/2 of Section 16, Township 20 South, Range 29 East in Eddy County, New Mexico. The horizontal spacing unit will be dedicated to the Glock 17/16 B3EH Fed Com #1H well, which will be horizontally drilled from a surface location in Unit L in Section 17 to a bottom hole location in Unit H in Section 16, Township 20 South, Range 29 East. The completed interval for the well will be orthodox. Also to be considered will be the costs of drilling and completing the well and the allocation of Mewbourne Oil Company as the operator of the well, and a 200% charge for the risk involved in drilling and completing the well. The well is located approximately thirteen (13) miles northeast of Carlsbad, New Mexico.

February 12, 2020

MEWBOURNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

Participation of the Control of the	and the end of the first rest to be a first and the same of the sa					
Well Name: GLOCK 17/16 B3EH F	ED COM #1H	Pros	spect: Glo	ck 17/16		
Location: SL: 2090 FSL & 230 FW	L (17); BHL: 2200 FNL & 100 FEL (16	6)	ounty: Edd	lv		ST: NM
	2(17), 2712. 2200 1 12 4 100 1 22 (1	BARRETT TO		White bearing	20)	ACTION AND ADDRESS OF THE PARTY
Sec. 17 Blk: Survey:		TWP: 20S	RNG:	Prop. TV	D: 9153	TMD: 19412
INTA	NGIBLE COSTS 0180		CODE	ТСР	CODE	cc
Regulatory Permits & Surveys			0180-0100		0180-0200	
Location / Road / Site / Preparation			0180-0105	\$75,000	0180-0205	\$40,00
Location / Restoration			0180-0106		0180-0206	\$30,000
Daywork / Turnkey / Footage Drilling		D/d	0180-0110		0180-0210	\$68,900
Fuel	1700 gal/day @ \$2.74/gal		0180-0114	\$149,200		\$300,000
Mud, Chemical & Additives Horizontal Drillout Services			0180-0120	\$175,000		2000 00
Cementing			0400 0400	6440.000	0180-0222	\$200,000 \$30,000
Logging & Wireline Services			0180-0125 0180-0130	\$140,000	0180-0225	\$30,000
Casing / Tubing / Snubbing Service	Control of the contro		0180-0134		0180-0234	\$90,000
Mud Logging			0180-0137	\$30,000		400,000
Stirnulation	50 Stg 20 MM gal/ 20 MM lb				0180-0241	\$1,865,000
Stimulation Rentals & Other					0180-0242	\$200,000
Water & Other			0180-0145	\$60,000		\$550,000
Bits			0180-0148		0180-0248	\$8,000
Inspection & Repair Services Misc. Air & Pumping Services			0180-0150	\$40,000		\$5,000
Testing & Flowback Services	***************************************		0180-0154	C4 F 000	0180-0254	\$10,000
Completion / Workover Rig			0180-0158	\$15,000	-	\$30,000
Rig Mobilization			0180-0164	\$150,000	0180-0260	\$10,500
Transportation			0180-0165		0180-0265	\$20,000
Welding Services			0180-0168		0180-0268	\$15,000
Contract Services & Supervision			0180-0170		0180-0270	\$52,500
Directional Services	Includes Vertical Control		0180-0175	\$350,000	1	402,000
Equipment Rental			0180-0180		0180-0280	\$30,000
Well / Lease Legal			0180-0184		0180-0284	
Well / Lease Insurance			0180-0185	\$5,000	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 Overhead Fixed Rate			0180-0195	\$158,400	0180-0295	\$91,200
Well Abandonment			0180-0196	\$10,000		\$20,000
Contingencies	20/ (TOD) 20/ (OO)		0180-0198	055 800	0180-0298	204 500
Contingencies	2% (TCP) 2% (CC)	20.00000	0180-0199	\$55,600	0180-0299	\$81,500
		TOTAL		\$2,835,800		\$4,157,600
TAN	GIBLE COSTS 0181		1			
Casing (19.1" - 30")	400' - 20" 94# X-56 BTC KAWASAKI NE		0181-0793	\$32,100		
Casing (10.1" - 19.0")	1350' - 13 3/8" 54.5# J-55 ST&C @ \$38		0181-0794	\$55,500		
Casing (8.1" - 10.0")	3025' - 9 5/8" 36# J-55 LT&C @ \$24.67		0181-0795	\$79,700		
Casing (6.1" - 8.0")	9422' - 7" 29# HCP-110 LT&C @ \$23.8		0181-0796	\$239,900		
Casing (4.1" - 6.0") Tubing	10738' - 4 1/2" 13.5# P-110 BPN @ \$12	2.16/ft			0181-0797	\$139,500
Drilling Head	8675' - 2 7/8" 6.5# EUE tbg @ \$5.38/ft		0181-0860	\$40,000	0181-0798	\$49,800
Tubing Head & Upper Section			1 0 19 1-0900 1			
				\$40,000	0404 0070	650,000
	Completion Liner Hanger			\$40,000	0181-0870	
Horizontal Completion Tools	Completion Liner Hanger			\$40,000	0181-0871	
Horizontal Completion Tools Sucker Rods	Completion Liner Hanger			\$10,000	0181-0871 0181-0875	\$70,000
Horizontal Completion Tools Sucker Rods Subsurface Equipment				\$40,000	0181-0871 0181-0875 0181-0880	\$70,000 \$10,000
Horizontal Completion Tools Sucker Rods	Packer			\$40,000	0181-0871 0181-0875 0181-0880 0181-0884	\$70,000 \$10,000
Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers	Packer			940,000	0181-0871 0181-0875 0181-0880	\$70,000 \$10,000
Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil	Packer			940,000	0181-0871 0181-0875 0181-0880 0181-0884 0181-0885	\$70,000 \$10,000 \$15,000
Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Water	Packer Gas Lift valves (1/4) 8 - 750 bbl (1/4) 6 - 750 bbl			\$40,000	0181-0871 0181-0875 0181-0880 0181-0884 0181-0885 0181-0886	\$70,000 \$10,000 \$15,000
Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Water Separation / Treating Equipment	Packer Gas Lift valves (1/4) 8 - 750 bbl (1/4) 6 - 750 bbl 1/4 GB/30"x10'x1k# 3 ph/36"x15'x1k# 1	Hor 3ph/1/2VRT/		910,000	0181-0871 0181-0875 0181-0880 0181-0884 0181-0885 0181-0890	\$70,000 \$10,000 \$15,000 \$15,000 \$50,000 \$35,000 \$90,000
Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Water Separation / Treating Equipment Heater Treaters, Line Heaters	Packer Gas Lift valves (1/4) 8 - 750 bbl (1/4) 6 - 750 bbl	Hor 3ph/4/2VRT/		\$10,000	0181-0871 0181-0875 0181-0880 0181-0884 0181-0885 0181-0886 0181-0890 0181-0891 0181-0895 0181-0897	\$70,000 \$10,000 \$15,000 \$15,000 \$50,000 \$35,000 \$90,000 \$27,000
Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Water Separation / Treating Equipment Heater Treaters, Line Heaters Metering Equipment	Packer Gas Lift valves (1/4) 8 - 750 bbl (1/4) 6 - 750 bbl 1/4 GB/30"x10'x1k# 3 ph/36"x15'x1k# 1	Hor 3ph/1/2VRT/		\$10,000	0181-0871 0181-0875 0181-0880 0181-0884 0181-0885 0181-0886 0181-0890 0181-0891 0181-0895 0181-0897	\$70,000 \$10,000 \$15,000 \$15,000 \$50,000 \$35,000 \$90,000 \$27,000 \$15,000
Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Water Separation / Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe & Valves - Gathering	Packer Gas Lift valves (1/4) 8 - 750 bbl (1/4) 6 - 750 bbl 1/4 GB/30"x10'x1k# 3 ph/36"x15'x1k# 1	Hor 3ph/4/2VRT/		\$10,000	0181-0871 0181-0875 0181-0880 0181-0884 0181-0885 0181-0895 0181-0890 0181-0891 0181-0895 0181-0897 0181-0893 0181-0900	\$70,000 \$10,000 \$15,000 \$15,000 \$50,000 \$33,000 \$90,000 \$27,000 \$15,000
Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Water Separation / Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe & Valves - Gathering Fittings / Valves & Accessories	Packer Gas Lift valves (1/4) 8 - 750 bbl (1/4) 6 - 750 bbl 1/4 GB/30"x10'x1k# 3 ph/36"x15'x1k# 1	Hor 3ph/1/2VRT/		\$10,000	0181-0871 0181-0875 0181-0880 0181-0884 0181-0885 0181-0896 0161-0890 0181-0891 0181-0897 0181-0893 0181-0998 0181-0990	\$70,000 \$10,000 \$15,000 \$15,000 \$50,000 \$35,000 \$27,000 \$27,000 \$15,000 \$15,000
Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Water Separation / Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe & Valves - Gathering Fittings / Valves & Accessories Calhodic Protection	Packer Gas Lift valves (1/4) 8 - 750 bbl (1/4) 6 - 750 bbl 1/4 GB/30"x10'x1k# 3 ph/36"x15'x1k# 1	Hor 3ph/1/2VRT/		910,000	0181-0871 0181-0875 0181-0880 0181-0880 0181-0886 0181-0895 0181-0896 0181-0891 0181-0895 0181-0895 0181-0895 0181-0990 0181-0990 0181-0900	\$70,000 \$10,000 \$15,000 \$15,000 \$50,000 \$35,000 \$27,000 \$15,000 \$15,000 \$125,000
Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Water Separation / Treating Equipment Heater Trealers, Line Heaters Metering Equipment Line Pipe & Valves - Gathering Fittings / Valves & Accessories Cathodic Protection Electrical Installation	Packer Gas Lift valves (1/4) 8 - 750 bbl (1/4) 6 - 750 bbl 1/4 GB/30"x10'x1k# 3 ph/36"x15'x1k# 1	Hor 3ph/4/2VRT/		910,000	0181-0871 0181-0875 0181-0805 0181-0884 0181-0885 0181-0896 0181-0890 0181-0891 0181-0897 0181-0897 0181-0909 0181-0909 0181-0909	\$70,000 \$10,000 \$15,000 \$15,000 \$50,000 \$35,000 \$27,000 \$15,000 \$15,000 \$25,000 \$20,000
Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Oil Tanks - Water Separation / Treating Equipment Heater Trealers, Line Heaters Metering Equipment Line Pipe & Valves - Gathering Fittings / Valves & Accessories Calhodic Protection Electrical Installation Equipment Installation	Packer Gas Lift valves (1/4) 8 - 750 bbl (1/4) 6 - 750 bbl 1/4 GB/30"x10'x1k# 3 ph/36"x15'x1k# 1	Hor 3ph/1/2VRT/		910,000	0181-0871 0181-0875 0181-0880 0181-0884 0181-0886 0181-0890 0181-0891 0181-0891 0181-0897 0181-0893 0181-0905 0181-0905 0181-0905 0181-0905 0181-0905 0181-0905	\$70,000 \$10,000 \$15,000 \$15,000 \$50,000 \$35,000 \$27,000 \$15,000 \$125,000 \$20,000 \$20,000
Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Oil Tanks - Water Separation / Treating Equipment Heater Trealers, Line Heaters Metering Equipment Line Pipe & Valves - Gathering Fittings / Valves & Accessories Calhodic Protection Electrical Installation Equipment Installation	Packer Gas Lift valves (1/4) 8 - 750 bbl (1/4) 6 - 750 bbl 1/4 GB/30"x10'x1k# 3 ph/36"x15'x1k# 1				0181-0871 0181-0875 0181-0805 0181-0884 0181-0885 0181-0896 0181-0890 0181-0891 0181-0897 0181-0897 0181-0909 0181-0909 0181-0909	\$70,000 \$10,000 \$15,000 \$15,000 \$50,000 \$35,000 \$27,000 \$15,000 \$15,000 \$125,000 \$50,000
Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Oil Tanks - Water Separation / Treating Equipment Heater Trealers, Line Heaters Metering Equipment Line Pipe & Valves - Gathering Fittings / Valves & Accessories Calhodic Protection Electrical Installation Equipment Installation	Packer Gas Lift valves (1/4) 8 - 750 bbl (1/4) 6 - 750 bbl 1/4 GB/30"x10'x1k# 3 ph/36"x15'x1k# 1	Hor 3ph/1/2VRT/		\$447,200	0181-0871 0181-0875 0181-0880 0181-0884 0181-0886 0181-0890 0181-0891 0181-0891 0181-0897 0181-0893 0181-0905 0181-0905 0181-0905 0181-0905 0181-0905 0181-0905	\$70,000 \$10,000 \$15,000 \$15,000 \$50,000 \$35,000 \$27,000 \$15,000 \$125,000 \$20,000 \$20,000
Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Oil Tanks - Water Separation / Treating Equipment Heater Trealers, Line Heaters Metering Equipment Line Pipe & Valves - Gathering Fittings / Valves & Accessories Calhodic Protection Electrical Installation Equipment Installation	Packer Gas Lift valves (1/4) 8 - 750 bbl (1/4) 6 - 750 bbl 1/4 GB/30"x10'x1k# 3 ph/36"x15'x1k# 1				0181-0871 0181-0875 0181-0880 0181-0884 0181-0886 0181-0890 0181-0891 0181-0891 0181-0897 0181-0893 0181-0905 0181-0905 0181-0905 0181-0905 0181-0905 0181-0905	\$70,000 \$10,000 \$15,000 \$15,000 \$50,000 \$35,000 \$27,000 \$15,000 \$15,000 \$20,000 \$20,000 \$25,000
Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Water Separation / Treating Equipment Heater Trealers, Line Heaters Metering Equipment Line Pipe & Valves - Gathering Fittings / Valves & Accessories Calhodic Protection Electrical Installation Equipment Installation	Packer Gas Lift valves (1/4) 8 - 750 bbl (1/4) 6 - 750 bbl 1/4 GB/30"x10"x1k# 3 ph/36"x15'x1k# B'x20'x75# HT	TOTAL SUBTOTAL		\$447,200 \$3,283,000	0181-0871 0181-0875 0181-0880 0181-0880 0181-0895 0181-0890 0181-0891 0181-0893 0181-0893 0181-0990 0181-0990 0181-0990 0181-0990 0181-0990 0181-0990	\$70,000 \$10,000 \$15,000 \$15,000 \$50,000 \$35,000 \$27,000 \$15,000 \$15,000 \$215,000 \$20,000 \$25,000 \$25,000
Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Water Separation / Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe & Valves - Gathering Fittings / Valves & Accessories Calhodic Protection Electrical Installation Equipment Installation Pipeline Construction Extra Expense Insurance Letect to be covered by O Operator has secured Extra Letect to purchase my ow	Packer Gas Lift valves (1/4) 8 - 750 bbl (1/4) 6 - 750 bbl 1/4 GB/30"x10'x1k# 3 ph/36"x15'x1k# 1 6'x20'x75# HT TOTAL WE perator's Extra Expense Insurance and p Expense Insurance covering costs of well on well control insurance policy.	TOTAL SUBTOTAL ELL COST pay my proportio control, clean up a	nate share of	\$447,200 \$3,283,000 \$8,300	0181-0871 0181-0875 0181-0880 0181-0880 0181-0880 0181-0880 0181-0890 0181-0891 0181-0899 0181-0990 0181-0990 0181-0990 0181-0990 0181-0990 0181-0990 0181-0990	\$70,000 \$10,000 \$15,000 \$15,000 \$50,000 \$35,000 \$27,000 \$15,000 \$15,000 \$22,000 \$50,000 \$20,000 \$65,000 \$25,000 \$55,000 \$55,000 \$55,000
Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Water Separation / Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe & Valves - Gathering Fittings / Valves & Accessories Cathodic Protection Electrical Installation Equipment Installation Pipeline Construction Extra Expense Insurance Letect to be covered by O Operator has recured Extra Letect to purchase my ow f neither box is checked above, non-operating wo	Packer Gas Lift valves (1/4) 8 - 750 bbl (1/4) 6 - 750 bbl 1/4 GB/30"x10'x1k# 3 ph/36"x15'x1k# l 8'x20'x75# HT TOTAL WE perator's Extra Expense insurance and p Expense insurance covering costs of well on well control insurance policy. rking interest owner elects to be covered by Ope	TOTAL SUBTOTAL ELL COST pay my proportion control, clean up a	nale share of and redrilling a	\$447,200 \$3,283,000 \$8,300 \$8,300 \$1the premium. Is estimated in Lin	0181-0871 0181-0875 0181-0880 0181-0880 0181-0880 0181-0880 0181-0890 0181-0891 0181-0899 0181-0990 0181-0990 0181-0990 0181-0990 0181-0990 0181-0990 0181-0990	\$70,000 \$10,000 \$15,000 \$15,000 \$50,000 \$35,000 \$27,000 \$15,000 \$15,000 \$20,000 \$20,000 \$25,000 \$50,000 \$50,000 \$50,000 \$50,000 \$50,000 \$50,000
Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Water Separation / Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe & Valves - Gathering Fittings / Valves & Accessories Calhodic Protection Electrical Installation Equipment Installation Pipeline Construction Extra Expense Insurance Letect to be covered by O Operator has secured Extra Letect to purchase my ow fincither box is checked above, non-operating wo Prepared by:	Packer Gas Lift valves (1/4) 8 - 750 bbl (1/4) 6 - 750 bbl 1/4 GB/30"x10'x1k# 3 ph/36"x15'x1k# 1 6'x20'x75# HT TOTAL WE perator's Extra Expense insurance and p Expense insurance covering costs of well on well control insurance policy. tking interest owner ejects to be covered by Open Jacob Maxey	TOTAL SUBTOTAL ELL COST pay my proportio control, clean up a	nate share of	\$447,200 \$3,283,000 \$8,300 \$8,300 \$1the premium. Is estimated in Lin	0181-0871 0181-0875 0181-0880 0181-0880 0181-0880 0181-0880 0181-0890 0181-0891 0181-0899 0181-0990 0181-0990 0181-0990 0181-0990 0181-0990 0181-0990 0181-0990	\$70,000 \$10,000 \$15,000 \$15,000 \$50,000 \$35,000 \$27,000 \$15,000 \$15,000 \$20,000 \$20,000 \$25,000 \$50,000 \$50,000 \$50,000 \$50,000 \$50,000 \$50,000
Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Water Separation / Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe & Valves - Gathering Fittings / Valves & Accessories Calhodic Protection Electrical Installation Equipment Installation Pipeline Construction Extra Expense Insurance Letect to be covered by O Operator has secured Extra Letect to purchase my ow fincither box is checked above, non-operating wo Prepared by:	Packer Gas Lift valves (1/4) 8 - 750 bbl (1/4) 6 - 750 bbl 1/4 GB/30"x10'x1k# 3 ph/36"x15'x1k# 1 6'x20'x75# HT TOTAL WE perator's Extra Expense insurance and p Expense insurance covering costs of well on well control insurance policy. tking interest owner ejects to be covered by Open Jacob Maxey	TOTAL SUBTOTAL ELL COST pay my proportion control, clean up a	nale share of and redrilling a	\$447,200 \$3,283,000 \$8,31 (the premium. is estimated in Lii	0181-0871 0181-0875 0181-0880 0181-0880 0181-0880 0181-0880 0181-0890 0181-0891 0181-0899 0181-0990 0181-0990 0181-0990 0181-0990 0181-0990 0181-0990 0181-0990	\$70,000 \$10,000 \$15,000 \$15,000 \$50,000 \$35,000 \$27,000 \$15,000 \$15,000 \$20,000 \$20,000 \$25,000 \$55,000 \$55,000 \$55,000 \$55,000
Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Water Separation / Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe & Valves - Gathering Fittings / Valves & Accessories Cathodic Protection Electrical Installation Equipment Installation Pipeline Construction Extra Expense Insurance Letect to be covered by O Operator has recured Extra Letect to purchase my ow f neither box is checked above, non-operating wo	Packer Gas Lift valves (1/4) 8 - 750 bbl (1/4) 6 - 750 bbl 1/4 GB/30"×10"×1k# 3 ph/36"×15"×1k# 1 B"x20"x75# HT TOTAL WE perator's Extra Expense Insurance and p Expense Insurance covering costs of well on well control insurance policy. tking interest owner elects to be covered by Ope Jacob Maxey	TOTAL SUBTOTAL ELL COST pay my proportion control, clean up a	nate share of and redrilling ansurance.	\$447,200 \$3,283,000 \$8,31 (the premium. is estimated in Lii	0181-0871 0181-0875 0181-0880 0181-0880 0181-0880 0181-0880 0181-0890 0181-0891 0181-0899 0181-0990 0181-0990 0181-0990 0181-0990 0181-0990 0181-0990 0181-0990	\$15,000 \$15,000 \$50,000 \$35,000 \$90,000 \$17,000 \$15,000 \$125,000 \$20,000 \$20,000 \$25,000 \$25,000 \$25,000

Case No. 21115

MEWBOURNE OIL

Exhibit A-13

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

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

Case No. 21115

SELF-AFFIRMED STATEMENT OF $\underline{\text{CHARLES CROSBY}}$

- 1. I am over 18 years of age and am competent to provide this Self-Affirmed Statement. I have personal knowledge of the matters addressed herein.
- 2. I am a geologist at Mewbourne Oil Company ("Mewbourne"). I am familiar with the geological matters that pertain to Mewbourne's application.
- 3. I have previously testified before the New Mexico Oil Conservation Division as an expert in geology, and my qualifications were accepted.
- 4. A general regional location map of the proposed horizontal spacing unit ("HSU") is attached as Exhibit B-1.
- 5. A structure map of the top of the Wolfcamp formation is attached as Exhibit B-2. The map shows that the structure dips gently to the east-southeast. It also shows a line of cross section and the HSU for the proposed Glock 17/16 B3EH Fed Com #1H well.
- 6. Attached as Exhibit B-3 is a gross sand isopach map of the 3rd Bone Spring Sand formation, which is the target zone for the proposed well. It shows that the sand across the HSU has an approximate thickness of 385-400°.

Case No. 21115
MEWBOURNE OIL
Exhibit B

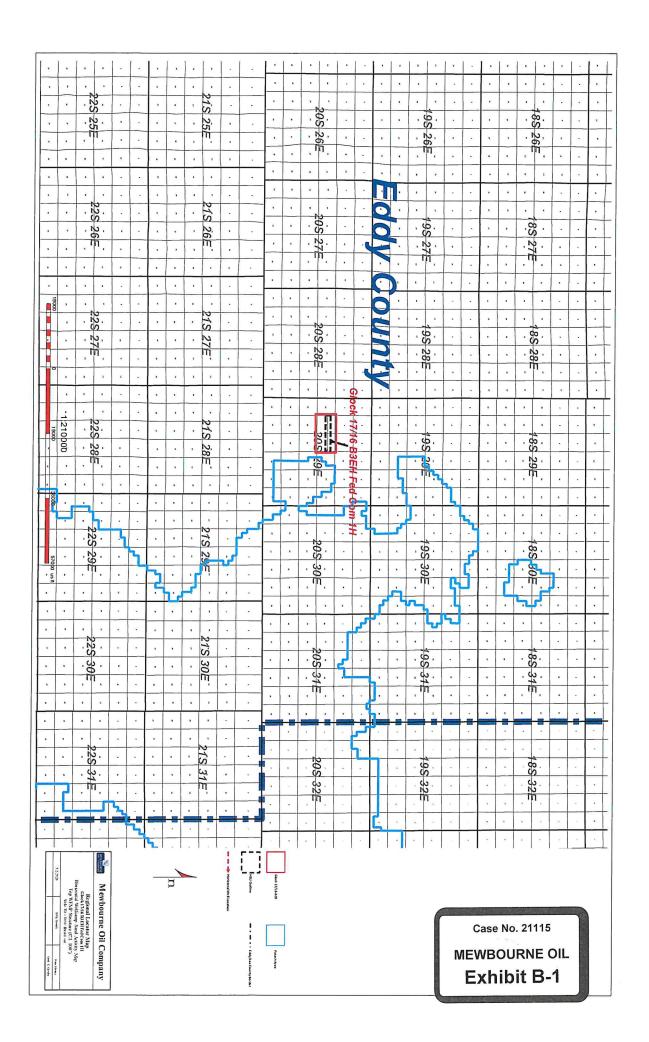
- 7. Attached as Exhibit B-4 is a west to east cross section. The well logs on the cross section provide a representative sample of the 3rd Bone Spring Sand formation in the area. The target zone for the proposed well is continuous across the HSU.
- 8. Attached as Exhibit B-5 is a table containing production data from other 3rd Bone Spring Sand wells drilled in the vicinity. The preference is for laydown wells (west to east or east to west), and the completed wells in the area (recent completions) apparently are commercial.
- 9. Attached as Exhibit B-6 is a Well Planning Report for the proposed well. The report includes a plot and lateral trajectory schematic of the well bore. The well's producing interval will be orthodox.
 - 10. There are no depth severances in the Bone Spring formation in the proposed HSU.
 - 11. Based on the information discussed above, I am able to conclude that:
 - a) The HSU is justified from a geologic standpoint;
- b) There is no faulting or other geologic impediment that could adversely affect the drilling of the proposed well; and
- c) Each quarter-quarter section in the HSU will contribute more or less equally to production.
- 12. In my opinion, the granting of Mewbourne's application will serve the interests of conservation and the prevention of waste.
- 13. Exhibits B-1 through B-6 were either prepared by me or compiled from company records.
- 14. I understand that this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 13 above is true and correct and is

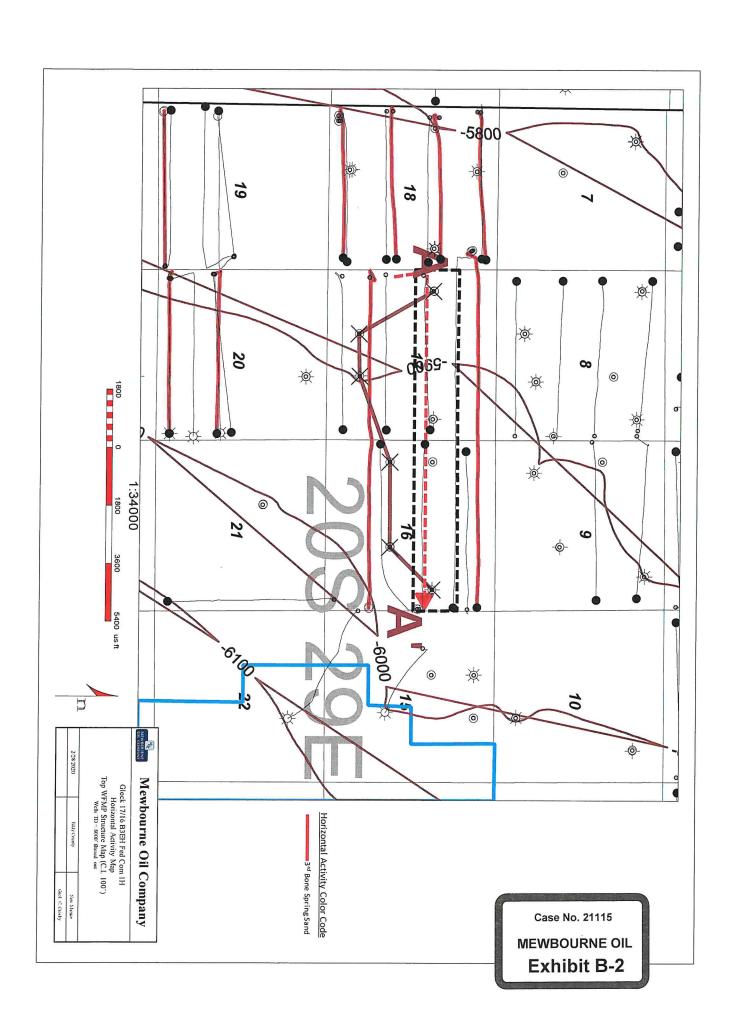
made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

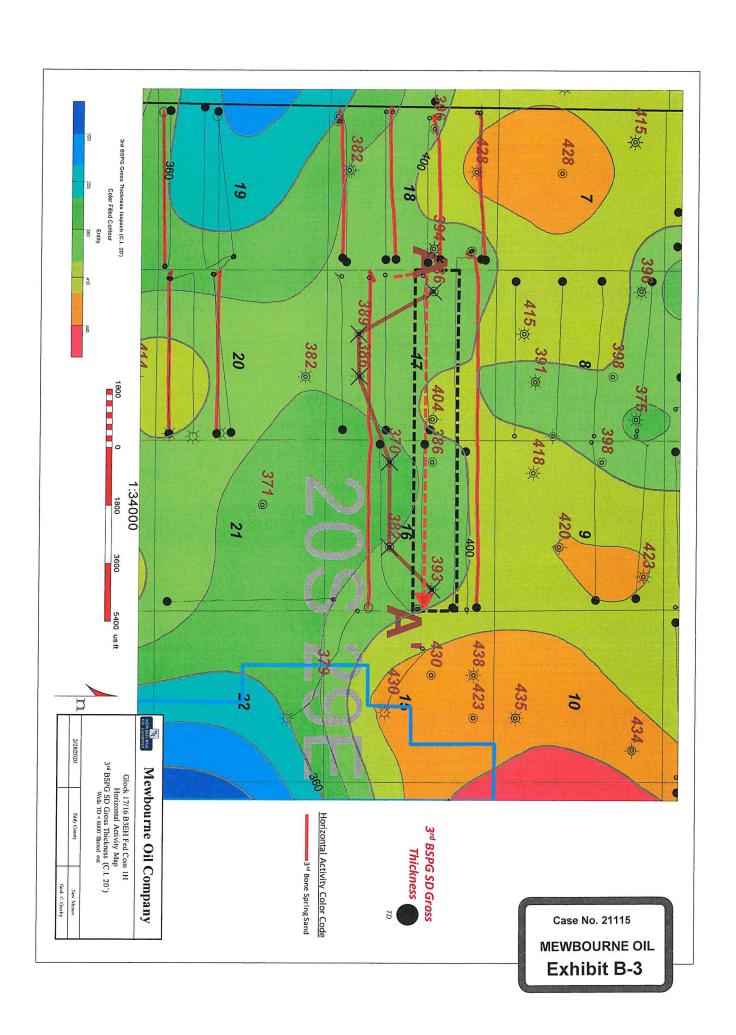
Charles Crosby

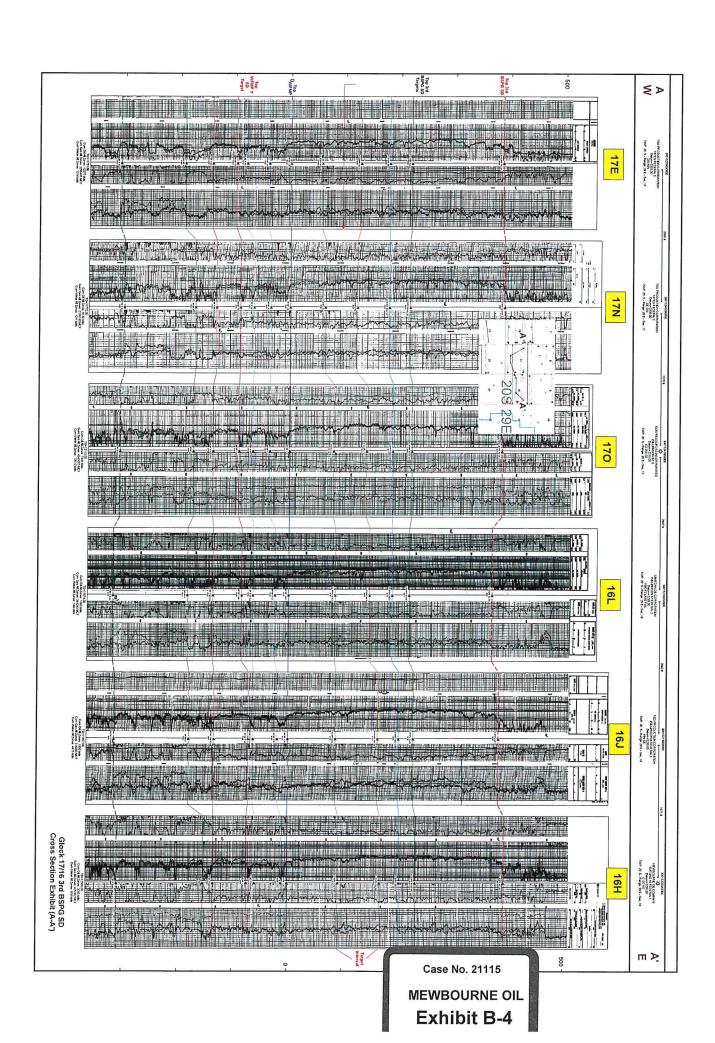
5/2/2

Date









3rd Bone Spring Sand	EW		Pending	Pei		19P/20S/29E	300154418/0000	Iviatador	Stephills 19 Federal 13/H
3rd Bone Spring Sand	EW	281.9	0.3	145.6	8/31/2019	18A/20S/29E	3001545/940000	Wiewbourne	Stock 1/ to BSDA rederal Com 2H
3rd Bone Spring Sand	EW	313.6	0.4	160.7	9/8/2018	18IVI/ 2US/ 29E	30015457510000	iviewbourne	Glock 17/16 B2DA Fodoral Com 211
ard Bone Spring Sand	EW	392.8	0.0	2.0.2	0,0000	בטין בטטן בטב	20015440450000	Manchanta	Derringer 18 B3MB Endoral 20
	7	303.8	0.0	275 2	1/6/2018	18I /20S/29F	30015444310000	Mewbourne	Derringer 18 B3LI Federal 2H
3rd Bone Spring Sand	EW	363.2	0.2	106.6	7/14/2017	20L/20S/29E	30015441830000	Matador	Stebbins 20 Federal 133H
3rd Bone Spring Sand	EW	384.1	0.3	115.6	11/8/2017	20M/20S/29E	30015441750000	Matador	Steppins 20 Federal 134H
3rd Bone Spring Sand	EW	383.2	0.6	207.5	2/ 24/ 2/2/	TOT/ 200/ 20E	3001373370000	The state of the	201
000000000000000000000000000000000000000				707 -	210C/VC/3	185/205/205	30015435780000	Mewhourne	Derringer 18 B3FH Federal 2H
3rd Bone Spring Sand	EW	335.9	1.2	232.2	9/10/2015	18D/20S/29E	30015429690000	Mewbourne	Derringer 18 B3DA Federal 2H
Production Zone	NS/EW	Cum Water (Mbw)	Cum Gas (Bcf)	Cum Oil (Mbo)	Completion Date	Location	API	Operator	well Name
				duction Table	Glock Area 3rd BSPG Sd Production Ta	Glock Area			No.
					Page 1 Table Control C				

Case No. 21115

MEWBOURNE OIL
Exhibit B-5

Mewbourne Oil Company

Eddy County, New Mexico NAD 83 Glock 17/16 B3EH Fed Com #1H

Sec 17, T20S, R29E

SHL: 2090' FSL & 230' FWL, Sec 17 BHL: 2200' FNL & 100' FEL, Sec 16

Plan: Design #1

Standard Planning Report

25 September, 2019

Case No. 21115

MEWBOURNE OIL

Exhibit B-6

Database: Company: Hobbs

Mewbourne Oil Company

Project: Eddy County, New Mexico NAD 83 Site:

Glock 17/16 B3EH Fed Com #1H

Well: Wellbore: Sec 17, T20S, R29E

BHL: 2200' FNL & 100' FEL, Sec 16

Design: Design #1 Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference: **Survey Calculation Method:** Site Glock 17/16 B3EH Fed Com #1H

WELL @ 3308.0usft (Original Well Elev) WELL @ 3308.0usft (Original Well Elev)

Grid

Minimum Curvature

Project

Eddy County, New Mexico NAD 83

Map System: Geo Datum:

Map Zone:

US State Plane 1983

North American Datum 1983 New Mexico Eastern Zone

System Datum:

Ground Level

Site

Glock 17/16 B3EH Fed Com #1H

0.0 usft

Site Position: From:

Map

Design #1

Northing:

571,894.00 usft

Latitude: Longitude:

32.5719843

Position Uncertainty:

Easting: Slot Radius: 611,663.00 usft 13-3/16 "

Grid Convergence:

-104.1050398

0.12°

Well

Wellbore

Sec 17, T20S, R29E

Well Position +N/-S +E/-W

0.0 usft 0.0 usft Northing: Easting:

571,894.00 usft 611,663.00 usft

Latitude: Longitude:

32.5719843 -104.1050398

Position Uncertainty

0.0 usft

Wellhead Elevation:

3,308.0 usft

Ground Level:

3,280.0 usft

BHL: 2200' FNL & 100' FEL, Sec 16

Magnetics **Model Name** Sample Date Declination (°) IGRF2010 9/25/2019 6.83 Dip Angle (°)

Field Strength (nT)

47,918

Design **Audit Notes:**

Version:

PROTOTYPE

Tie On Depth:

0.0

60.21

Vertical Section:

Phase:

+N/-S

+E/-W

Direction

Depth From (TVD) (usft) 0.0

(usft) 0.0

(usft) 0.0

(°) 84.36

an 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	
1,350.0	0.00	0.00	1,350.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,929.6	8.69	347.37	1,927.4	42.8	-9.6	1.50	1.50	0.00	347.37	
8,094.7	8.69	347.37	8,021.6	952.2	-213.4	0.00	0.00	0.00	0.00	
8,674.3	0.00	0.00	8,599.0	995.0	-223.0	1.50	-1.50	0.00	180.00	KOP: 2200' FNL & 10
9,421.5	89.56	89.91	9,077.0	995.7	251.4	11.99	11.99	0.00	89.91	
19,412.4	89.56	89.91	9,153.0	1,011.0	10,242.0	0.00	0.00	0.00	0.00	BHL: 2200' FNL & 10

Database: Company: Project:

Site:

Hobbs

Mewbourne Oil Company

Eddy County, New Mexico NAD 83 Glock 17/16 B3EH Fed Com #1H

Well: Wellbore: Sec 17, T20S, R29E

 Wellbore:
 BHL: 2200' FNL & 100' FEL, Sec 16

 Design:
 Design #1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Site Glock 17/16 B3EH Fed Com#1H WELL @ 3308.0usft (Original Well Elev) WELL @ 3308.0usft (Original Well Elev)

Grid

Measured			Vortical			Maudia al	Davis.	D.///	
Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	SL & 230' FWL (
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
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,350.0	0.00	0.00	1,350.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.75	347.37	1,400.0	0.3	-0.1	0.0	1.50	1.50	0.00
1,500.0	2.25	347.37	1,500.0	2.9	-0.6	-0.4	1.50	1.50	0.00
1,600.0	3.75	347.37	1,599.8	8.0	-1.8	-1.0	1.50	1.50	0.00
1,700.0	5.25	347.37	1,699.5	15.6	-3.5	-2.0	1.50	1.50	0.00
1,800.0	6.75	347.37	1,799.0	25.8	-5.8	-3.2	1.50	1.50	0.00
1,900.0	8.25	347.37	1,898.1	38.6	-8.6	-4.8	1.50	1.50	0.00
1,929.6	8.69	347.37	1,927.4	42.8	-9.6	-5.3	1.50	1.50	0.00
2,000.0	8.69	347.37	1,997.0	53.2	-11.9	-6.6	0.00	0.00	0.00
2,100.0	8.69	347.37	2,095.8	68.0	-11.9	-8.5	0.00	0.00	
2,200.0	8.69	347.37	2,194.7	82.7	-18.5	-0.5	0.00	0.00	0.00 0.00
2,300.0	8.69	347.37	2,293.5	97.5					
2,400.0	8.69	347.37	2,392.4	112.2	-21.8	-12.2	0.00	0.00	0.00
2,500.0	8.69	347.37	2,392.4	127.0	-25.1	-14.0	0.00	0.00	0.00
2,600.0	8.69	347.37			-28.5	-15.8	0.00	0.00	0.00
2,700.0	8.69	347.37	2,590.1 2,688.9	141.7 156.5	-31.8	-17.7	0.00	0.00	0.00
					-35.1	-19.5	0.00	0.00	0.00
2,800.0	8.69	347.37	2,787.8	171.2	-38.4	-21.4	0.00	0.00	0.00
2,900.0	8.69	347.37	2,886.6	186.0	-41.7	-23.2	0.00	0.00	0.00
3,000.0	8.69	347.37	2,985.5	200.7	-45.0	-25.0	0.00	0.00	0.00
3,100.0	8.69	347.37	3,084.3	215.5	-48.3	-26.9	0.00	0.00	0.00
3,200.0	8.69	347.37	3,183.2	230.2	-51.6	-28.7	0.00	0.00	0.00
3,300.0	8.69	347.37	3,282.0	245.0	-54.9	-30.6	0.00	0.00	0.00
3,400.0	8.69	347.37	3,380.9	259.7	-58.2	-32.4	0.00	0.00	0.00
3,500.0	8.69	347.37	3,479.7	274.5	-61.5	-34.3	0.00	0.00	0.00
3,600.0	8.69	347.37	3,578.6	289.2	-64.8	-36.1	0.00	0.00	0.00
3,700.0	8.69	347.37	3,677.4	304.0	-68.1	-37.9	0.00	0.00	0.00
3,800.0	8.69	347.37	3,776.3	318.7	-71.4	-39.8	0.00	0.00	0.00
3,900.0	8.69	347.37	3,875.1	333.5	-74.7	-41.6	0.00	0.00	0.00
4,000.0	8.69	347.37	3,974.0	348.2	-78.0	-43.5	0.00	0.00	0.00
4,100.0	8.69	347.37	4,072.8	363.0	-81.3	-45.3	0.00	0.00	0.00
4,200.0	8.69	347.37	4,171.7	377.7	-84.7	-47.1	0.00	0.00	0.00
4,300.0	8.69	347.37	4,270.5	392.5	-88.0	-49.0	0.00	0.00	0.00
4,400.0	8.69	347.37	4,369.4	407.2	-91.3	-50.8	0.00	0.00	0.00
4,500.0	8.69	347.37	4,468.2	422.0	-94.6	-52.7	0.00	0.00	0.00
4,600.0	8.69	347.37	4,567.1	436.7	-97.9	-54.5	0.00	0.00	0.00
4,700.0	8.69	347.37	4,665.9	451.5	-101.2	-56.3	0.00	0.00	0.00
4,800.0	8.69	347.37	4,764.8	466.2	-104.5				
4,800.0	8.69	347.37 347.37	4,764.8	481.0	-104.5 -107.8	-58.2 -60.0	0.00	0.00	0.00
5,000.0	8.69	347.37	4,962.5	495.7	-107.6	-61.9	0.00 0.00	0.00 0.00	0.00 0.00

Database: Company: Hobbs

Mewbourne Oil Company

Project: Eddy County, New Mexico NAD 83 Site: Glock 17/16 B3EH Fed Com #1H

Well: Wellbore: Sec 17, T20S, R29E

Design: Design #1

BHL: 2200' FNL & 100' FEL, Sec 16

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Site Glock 17/16 B3EH Fed Com #1H WELL @ 3308.0usft (Original Well Elev) WELL @ 3308.0usft (Original Well Elev)

Grid

nned Survey									
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)
5,100.0	8.69	347.37	5,061.3	510.5	-114.4	-63.7	0.00	0.00	0.00
5,200.0	8.69	347.37	5,160.2	525.2	-117.7	-65.5	0.00	0.00	0.00
5,300.0	8.69	347.37	5,259.1	540.0	-121.0	-67.4	0.00	0.00	0.00
5,400.0	8.69	347.37	5,357.9	554.7	-124.3	-69.2	0.00	0.00	0.00
5,500.0	8.69	347.37	5,456.8	569.5	-127.6	-71.1	0.00	0.00	
5,600.0	8.69	347.37	5,555.6	584.2	-130.9	-71.1			0.00
5,700.0	8.69	347.37	5,654.5	599.0	-134.2		0.00	0.00	0.00
				399.0	-134.2	-74.8	0.00	0.00	0.00
5,800.0	8.69	347.37	5,753.3	613.7	-137.5	-76.6	0.00	0.00	0.00
5,900.0	8.69	347.37	5,852.2	628.5	-140.9	-78.4	0.00	0.00	0.00
6,000.0	8.69	347.37	5,951.0	643.2	-144.2	-80.3	0.00	0.00	0.00
6,100.0	8.69	347.37	6,049.9	658.0	-147.5	-82.1	0.00	0.00	0.00
6,200.0	8.69	347.37	6,148.7	672.7	-150.8	-84.0	0.00	0.00	0.00
6,300.0	8.69	347.37	6,247.6						
6,400.0	8.69		Dec. 10 10 10 10 10 10 10 10 10 10 10 10 10	687.5	-154.1	-85.8	0.00	0.00	0.00
		347.37	6,346.4	702.2	-157.4	-87.6	0.00	0.00	0.00
6,500.0	8.69	347.37	6,445.3	717.0	-160.7	-89.5	0.00	0.00	0.00
6,600.0	8.69	347.37	6,544.1	731.7	-164.0	-91.3	0.00	0.00	0.00
6,700.0	8.69	347.37	6,643.0	746.5	-167.3	-93.2	0.00	0.00	0.00
6,800.0	8.69	347.37	6,741.8	761.2	-170.6	-95.0	0.00	0.00	0.00
6,900.0	8.69	347.37	6,840.7	776.0	-173.9	-96.8	0.00	0.00	0.00
7,000.0	8.69	347.37	6,939.5	790.7	-177.2	-98.7	0.00	0.00	0.00
7,100.0	8.69	347.37	7,038.4	805.5	-180.5	-100.5	0.00	0.00	0.00
7,200.0	8.69	347.37	7,137.2	820.2	-183.8	-102.4	0.00	0.00	0.00
7,300.0	8.69	347.37	7,236.1	835.0	-187.1	-104.2	0.00	0.00	0.00
7,400.0	8.69	347.37	7,334.9	849.7	-190.4	-106.0	0.00	0.00	0.00
7,500.0	8.69	347.37	7,433.8	864.5	-193.7	-107.9	0.00	0.00	0.00
7,600.0	8.69	347.37	7,532.6	879.2	-197.0	-109.7	0.00	0.00	0.00
7,700.0	8.69	347.37	7,631.5	894.0	-200.4	-111.6	0.00	0.00	0.00
7,800.0	8.69	347.37	7 700 0	000.7	202.7	440.4	0.00	0.00	0.00
7,900.0	8.69		7,730.3	908.7	-203.7	-113.4	0.00	0.00	0.00
		347.37	7,829.2	923.5	-207.0	-115.3	0.00	0.00	0.00
8,000.0	8.69	347.37	7,928.0	938.2	-210.3	-117.1	0.00	0.00	0.00
8,094.7	8.69	347.37	8,021.6	952.2	-213.4	-118.8	0.00	0.00	0.00
8,100.0	8.61	347.37	8,026.9	953.0	-213.6	-118.9	1.50	-1.50	0.00
8,200.0	7.11	347.37	8,125.9	966.3	-216.6	-120.6	1.50	-1.50	0.00
8,300.0	5.61	347.37	8,225.3	977.1	-219.0	-121.9	1.50	-1.50	0.00
8,400.0	4.11	347.37	8,325.0	985.4	-220.8	-123.0	1.50	-1.50	0.00
8,500.0	2.61	347.37	8,424.8	991.1	-222.1	-123.7	1.50	-1.50	0.00
8,600.0	1.11	347.37	8,524.7	994.3	-222.1	-124.1	1.50	-1.50 -1.50	0.00
8,674.3	0.00	0.00	8,599.0	995.0	-223.0	-124.2	1.50	-1.50	0.00
	NL & 10' FWL (S	SERVICE OF POST OF							
8,700.0	3.08	89.91	8,624.7	995.0	-222.3	-123.5	11.99	11.99	0.00
8,800.0	15.07	89.91	8,723.3	995.0	-206.6	-107.8	11.99	11.99	0.00
8,900.0	27.05	89.91	8,816.4	995.1	-170.7	-72.1	11.99	11.99	0.00
9,000.0	39.04	89.91	8,900.1	995.2	-116.3	-17.9	11.99	11.99	0.00
9,100.0	51.03	89.91	8,970.6						
9,100.0	63.01		20 M. C. 100 M.	995.3	-45.6	52.4	11.99	11.99	0.00
100.00		89.91	9,025.0	995.4	38.1	135.7	11.99	11.99	0.00
9,291.4	73.97	89.91	9,058.4	995.5	123.0	220.2	11.99	11.99	0.00
	L & 100' FWL (S								
9,300.0	75.00	89.91	9,060.7	995.5	131.3	228.5	11.99	11.99	0.00
9,400.0	86.99	89.91	9,076.4	995.7	229.9	326.6	11.99	11.99	0.00
9,421.5	89.56	89.91	9,077.0	995.7	251.4	348.0	11.97	11.97	0.00
			0,077.0	555.7	201.4	540.0	11.57	11.57	0.00
9,500.0	& 481' FWL (Se	- I	0.077.0	005.0	000.0	400.1			
9,500.0	89.56 89.56	89.91	9,077.6 9,078.4	995.8	329.9 429.9	426.1 525.6	0.00 0.00	0.00 0.00	0.00

Database: Company: Hobbs

Mewbourne Oil Company

Project: Eddy County, New Mexico NAD 83 Site: Glock 17/16 B3EH Fed Com #1H

Well: Wellbore: Sec 17, T20S, R29E

BHL: 2200' FNL & 100' FEL, Sec 16 Design: Design #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Site Glock 17/16 B3EH Fed Com #1H WELL @ 3308.0usft (Original Well Elev) WELL @ 3308.0usft (Original Well Elev)

Grid

Magazza									
Measured Depth	tu atta at		Vertical			Vertical	Dogleg	Build	Turn
(usft)	Inclination (°)	Azimuth (°)	Depth (usft)	+N/-S (usft)	+E/-W (usft)	Section (usft)	Rate (°/100usft)	Rate (°/100usft)	Rate (°/100usft)
9,700.0	89.56	89.91	9,079.1	996.2	529.9	625.2	0.00	0.00	0.00
9,800.0	89.56	89.91	9,079.9	996.3	629.9	724.7	0.00	0.00	0.00
9,900.0	89.56	00.04							
10,000.0	89.56	89.91	9,080.6	996.5	729.9	824.2	0.00	0.00	0.00
10,100.0	89.56	89.91	9,081.4	996.6	829.9	923.7	0.00	0.00	0.00
10,100.0	89.56	89.91	9,082.2	996.8	929.8	1,023.3	0.00	0.00	0.00
10,300.0	89.56	89.91 89.91	9,082.9 9,083.7	996.9 997.1	1,029.8 1,129.8	1,122.8 1,222.3	0.00 0.00	0.00	0.00
							0.00	0.00	0.00
10,400.0	89.56	89.91	9,084.4	997.2	1,229.8	1,321.9	0.00	0.00	0.00
10,500.0	89.56	89.91	9,085.2	997.4	1,329.8	1,421.4	0.00	0.00	0.00
10,600.0	89.56	89.91	9,086.0	997.5	1,429.8	1,520.9	0.00	0.00	0.00
10,700.0	89.56	89.91	9,086.7	997.7	1,529.8	1,620.4	0.00	0.00	0.00
10,800.0	89.56	89.91	9,087.5	997.8	1,629.8	1,720.0	0.00	0.00	0.00
10,900.0	89.56	89.91	9,088.2	998.0	1,729.8	1,819.5	0.00	0.00	0.00
11,000.0	89.56	89.91	9,089.0	998.1	1,829.8	1,919.0	0.00	0.00	0.00
11,100.0	89.56	89.91	9,089.8	998.3	1,929.8	2,018.5	0.00	0.00	0.00
11,200.0	89.56	89.91	9,090.5	998.4	2,029.8	2,118.1	0.00	0.00	0.00
11,300.0	89.56	89.91	9,091.3	998.6	2,129.8	2,217.6	0.00	0.00	0.00
11,400.0	89.56	89.91	9,092.1	998.8	2,229.8	2,317.1	0.00	0.00	0.00
11,500.0	89.56	89.91	9,092.8	998.9	2,329.8	2,416.7	0.00	0.00	0.00
11,600.0	89.56	89.91	9,093.6	999.1	2,429.8	2.516.2	0.00	0.00	0.00
11,700.0	89.56	89.91	9,094.3	999.2	2,529.8	2,615.7	0.00	0.00	0.00
11,800.0	89.56	89.91	9,095.1	999.4	2,629.8	2,715.2	0.00	0.00	0.00
11,900.0	89.56	89.91	0.005.0						
12,000.0	89.56	89.91	9,095.9 9.096.6	999.5 999.7	2,729.8 2,829.8	2,814.8	0.00	0.00	0.00
12,100.0	89.56	89.91	9,097.4	999.8	2,929.8	2,914.3 3,013.8	0.00	0.00	0.00
12,200.0	89.56	89.91	9,098.1	1,000.0	3,029.8	3,113.4	0.00	0.00	0.00
12,300.0	89.56	89.91	9,098.9	1,000.0	3,129.8	3,113.4	0.00 0.00	0.00 0.00	0.00 0.00
12,400.0	89.56								
12,500.0	89.56	89.91 89.91	9,099.7 9,100.4	1,000.3 1,000.4	3,229.8	3,312.4	0.00	0.00	0.00
12,600.0	89.56	89.91	9,101.2	1,000.4	3,329.8	3,411.9	0.00	0.00	0.00
12,700.0	89.56	89.91	9,101.9	1,000.7	3,429.8 3,529.8	3,511.5 3,611.0	0.00 0.00	0.00	0.00
12,800.0	89.56	89.91	9,102.7	1,000.9	3,629.8	3,710.5	0.00	0.00 0.00	0.00
12,900.0	89.56								
13,000.0	89.56	89.91 89.91	9,103.5 9,104.2	1,001.0 1,001.2	3,729.8	3,810.1	0.00	0.00	0.00
13,100.0	89.56	89.91	9,104.2	1,001.2	3,829.8 3,929.8	3,909.6	0.00	0.00	0.00
13,100.0	89.56	89.91	9,105.0	1,001.3	4,029.8	4,009.1 4,108.6	0.00 0.00	0.00	0.00
13,300.0	89.56	89.91	9,106.5	1,001.3	4,029.8	4,108.8	0.00	0.00 0.00	0.00
13,400.0									
	89.56	89.91	9,107.3	1,001.8	4,229.7	4,307.7	0.00	0.00	0.00
13,500.0 13,600.0	89.56 89.56	89.91	9,108.0	1,002.0	4,329.7	4,407.2	0.00	0.00	0.00
13,700.0	89.56	89.91	9,108.8	1,002.1	4,429.7	4,506.8	0.00	0.00	0.00
13,700.0	89.56	89.91 89.91	9,109.5	1,002.3	4,529.7	4,606.3	0.00	0.00	0.00
			9,110.3	1,002.4	4,629.7	4,705.8	0.00	0.00	0.00
13,900.0	89.56	89.91	9,111.1	1,002.6	4,729.7	4,805.3	0.00	0.00	0.00
14,000.0	89.56	89.91	9,111.8	1,002.7	4,829.7	4,904.9	0.00	0.00	0.00
14,100.0	89.56	89.91	9,112.6	1,002.9	4,929.7	5,004.4	0.00	0.00	0.00
14,200.0	89.56	89.91	9,113.3	1,003.0	5,029.7	5,103.9	0.00	0.00	0.00
14,227.3	89.56	89.91	9,113.6	1,003.1	5,057.0	5,131.1	0.00	0.00	0.00
	NL & 0' FWL (Se	ec 16)							
14,300.0	89.56	89.91	9,114.1	1,003.2	5,129.7	5,203.5	0.00	0.00	0.00
14,400.0	89.56	89.91	9,114.9	1,003.3	5,229.7	5,303.0	0.00	0.00	0.00
14,500.0	89.56	89.91	9,115.6	1,003.5	5,329.7	5,402.5	0.00	0.00	0.00
14,600.0	89.56	89.91	9,116.4	1,003.6	5,429.7	5,502.0	0.00	0.00	0.00
14,700.0	89.56	89.91	9,117.2	1,003.8	5,529.7	5,601.6	0.00	0.00	0.00

Database: Company:

Hobbs

Mewbourne Oil Company

Project: Eddy County, New Mexico NAD 83 Site: Glock 17/16 B3EH Fed Com #1H

Well: Wellbore: Sec 17, T20S, R29E

BHL: 2200' FNL & 100' FEL, Sec 16

Design: Design #1 Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Site Glock 17/16 B3EH Fed Com #1H WELL @ 3308.0usft (Original Well Elev) WELL @ 3308.0usft (Original Well Elev)

Grid

14,800.0	Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate
14,000.0 89.56 89.91 9.119.4 1,004.3 5,729.7 5,800.6 0.00 0.00 0.00 15,100.0 89.56 89.91 9.120.0 1,004.3 5,829.7 5,899.7 0.00 0.00 0.00 0.00 15,100.0 89.56 89.91 9.120.0 1,004.6 6,029.7 6,099.2 0.00 0.00 0.00 0.00 15,200.0 89.56 89.91 9.121.7 1,004.6 6,029.7 6,099.2 0.00 0.00 0.00 0.00 15,400.0 89.56 89.91 9.121.7 1,004.7 6,129.7 6,198.7 0.00 0.00 0.00 0.00 15,500.0 89.56 89.91 9.122.5 1,004.9 6,229.7 6,289.3 0.00 0.00 0.00 0.00 15,500.0 89.56 89.91 9.123.2 1,005.0 6,229.7 6,289.3 0.00 0.00 0.00 0.00 15,500.0 89.56 89.91 9.124.0 1,005.2 6,429.7 6,497.3 0.00 0.00 0.00 0.00 15,500.0 89.56 89.91 9.124.0 1,005.2 6,429.7 6,497.3 0.00 0.00 0.00 15,500.0 89.56 89.91 9.124.0 1,005.2 6,429.7 6,497.3 0.00 0.00 0.00 0.00 15,500.0 89.56 89.91 9.124.8 1,005.3 6,529.7 6,586.9 0.00 0.00 0.00 0.00 15,500.0 89.56 89.91 9.124.8 1,005.3 6,529.7 6,586.9 0.00 0.00 0.00 0.00 15,500.0 89.56 89.91 9.124.8 1,005.3 6,229.7 6,495.3 0.00 0.00 0.00 0.00 15,500.0 89.56 89.91 9.124.8 1,005.3 6,229.7 6,495.3 0.00 0.00 0.00 0.00 15,500.0 89.56 89.91 9.127.0 1,005.8 6,229.7 6,495.9 0.00 0.00 0.00 0.00 15,500.0 89.56 89.91 9.127.0 1,005.8 6,229.7 6,495.4 0.00 0.00 0.00 0.00 15,000.0 89.56 89.91 9.127.0 1,005.8 6,229.7 6,495.0 0.00 0.00 0.00 0.00 16,200.0 89.56 89.91 9.128.6 1,005.9 6,229.7 6,495.0 0.00 0.00 0.00 0.00 16,200.0 89.56 89.91 9.128.6 1,005.9 6,229.7 7,393.1 0.00 0.00 0.00 0.00 16,200.0 89.56 89.91 9.128.6 1,005.9 6,229.7 7,393.1 0.00 0.00 0.00 0.00 16,500.0 89.56 89.91 9.130.1 1,006.4 7,229.7 7,297.7 7,298.6 0.00 0.00 0.00 0.00 16,500.0 89.56 89.91 9.130.1 1,006.4 7,229.7 7,297.7 7,298.6 0.00 0.00 0.00 0.00 16,500.0 89.56 89.91 9.130.8 1,006.5 7,329.7 7,333.1 0.00 0.00 0.00 0.00 16,500.0 89.56 89.91 9.130.8 1,006.5 7,329.7 7,383.1 0.00 0.00 0.00 0.00 16,500.0 89.56 89.91 9.131.6 1,006.4 7,229.7 7,298.6 0.00 0.00 0.00 0.00 17,700.0 89.56 89.91 9.131.6 1,007.5 7,229.6 7,592.1 0.00 0.00 0.00 0.00 0.00 17,700.0 89.56 89.91 9.131.6 1,007.2 7,729.6 7,592.1 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0										
14,900.0 89.56 89.91 9,119.4 1,004.1 5,729.7 5,800.6 0.00 0.00 0.00 15,100.0 89.56 89.91 9,129.4 1,004.3 5,829.7 5,909.2 0.00 0.00 0.00 0.00 15,100.0 89.56 89.91 9,120.2 1,004.4 5,829.7 5,999.7 0.00 0.00 0.00 0.00 15,200.0 89.56 89.91 9,121.0 1,004.6 6,029.7 6,099.2 0.00 0.00 0.00 0.00 15,400.0 89.56 89.91 9,121.7 1,004.7 6,129.7 6,298.3 0.00 0.00 0.00 0.00 15,400.0 89.56 89.91 9,122.5 1,004.9 6,229.7 6,298.3 0.00 0.00 0.00 0.00 15,500.0 89.56 89.91 9,123.2 1,005.0 6,299.7 6,298.3 0.00 0.00 0.00 0.00 15,500.0 89.56 89.91 9,124.0 1,005.2 6,429.7 6,497.3 0.00 0.00 0.00 0.00 15,500.0 89.56 89.91 9,124.0 1,005.2 6,429.7 6,497.3 0.00 0.00 0.00 0.00 15,500.0 89.56 89.91 9,124.0 1,005.2 6,429.7 6,497.3 0.00 0.00 0.00 0.00 15,500.0 89.56 89.91 9,124.8 1,005.3 6,529.7 6,596.9 0.00 0.00 0.00 0.00 15,500.0 89.56 89.91 9,124.8 1,005.3 6,529.7 6,596.9 0.00 0.00 0.00 0.00 15,500.0 89.56 89.91 9,124.8 1,005.3 6,529.7 6,596.9 0.00 0.00 0.00 0.00 15,500.0 89.56 89.91 9,125.3 1,005.6 6,729.7 6,497.3 0.00 0.00 0.00 0.00 15,500.0 89.56 89.91 9,125.3 1,005.6 6,729.7 6,985.4 0.00 0.00 0.00 0.00 15,500.0 89.56 89.91 9,128.3 1,005.8 6,229.7 6,985.0 0.00 0.00 0.00 0.00 16,500.0 89.56 89.91 9,128.6 1,006.1 7,029.7 7,984.5 0.00 0.00 0.00 0.00 16,500.0 89.56 89.91 9,128.6 1,006.1 7,029.7 7,984.5 0.00 0.00 0.00 0.00 16,500.0 89.56 89.91 9,130.1 1,006.4 7,229.7 7,291.5 0.00 0.00 0.00 0.00 16,500.0 89.56 89.91 9,130.1 1,006.4 7,229.7 7,291.5 0.00 0.00 0.00 0.00 16,500.0 89.56 89.91 9,131.6 1,006.5 7,329.7 7,393.1 0.00 0.00 0.00 0.00 16,500.0 89.56 89.91 9,131.6 1,006.5 7,329.7 7,393.1 0.00 0.00 0.00 0.00 16,500.0 89.56 89.91 9,131.6 1,006.4 7,299.7 7,491.5 0.00 0.00 0.00 0.00 16,500.0 89.56 89.91 9,131.6 1,006.4 7,299.7 7,491.5 0.00 0.00 0.00 0.00 16,500.0 89.56 89.91 9,131.6 1,006.4 7,299.7 7,394.5 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	10 10 10 10 10 10 10	89.56	89.91	9,117.9	1,003.9	5,629.7	5,701.1	0.00	0.00	0.00
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16,400.0 89.56 89.91 9,130.1 1,006.4 7,229.7 7,293.6 0.00 0.00 0.00 16,500.0 89.56 89.91 9,130.8 1,006.5 7,329.7 7,393.1 0.00 0.00 0.00 16,500.0 89.56 89.91 9,131.6 1,006.7 7,429.6 7,429.6 0.00 0.00 0.00 16,500.0 89.56 89.91 9,132.4 1,006.9 7,529.6 7,592.1 0.00 0.00 0.00 16,500.0 89.56 89.91 9,133.1 1,007.0 7,629.6 7,592.1 0.00 0.00 0.00 16,500.0 89.56 89.91 9,133.9 1,007.2 7,729.6 7,791.2 0.00 0.00 0.00 17,000.0 89.56 89.91 9,133.9 1,007.2 7,729.6 7,890.7 0.00 0.00 0.00 17,100.0 89.56 89.91 9,135.4 1,007.5 7,292.6 7,890.7 0.00 0.00 0.00 17,100.0 89.56 89.91 9,135.4 1,007.5 7,292.6 7,890.7 0.00 0.00 0.00 17,200.0 89.56 89.91 9,135.2 1,007.5 7,292.6 7,890.3 0.00 0.00 0.00 17,200.0 89.56 89.91 9,136.2 1,007.6 8,029.6 8,089.8 0.00 0.00 0.00 17,200.0 89.56 89.91 9,136.2 1,007.6 8,029.6 8,189.3 0.00 0.00 0.00 17,400.0 89.56 89.91 9,135.2 1,007.8 8,129.6 8,189.3 0.00 0.00 0.00 17,500.0 89.56 89.91 9,135.2 1,007.8 8,129.6 8,288.8 0.00 0.00 0.00 17,500.0 89.56 89.91 9,138.5 1,007.8 8,129.6 8,388.4 0.00 0.00 0.00 17,500.0 89.56 89.91 9,138.5 1,008.2 8,429.6 8,487.9 0.00 0.00 0.00 17,700.0 89.56 89.91 9,138.5 1,008.1 8,329.6 8,487.9 0.00 0.00 0.00 17,700.0 89.56 89.91 9,134.5 1,008.2 8,429.6 8,487.9 0.00 0.00 0.00 17,700.0 89.56 89.91 9,140.0 1,008.4 8,529.6 8,686.9 0.00 0.00 0.00 17,900.0 89.56 89.91 9,141.5 1,008.7 8,729.6 8,866.9 0.00 0.00 0.00 18,000 89.56 89.91 9,141.5 1,008.7 8,729.6 8,866.9 0.00 0.00 0.00 18,000 89.56 89.91 9,141.5 1,008.7 8,729.6 8,866.9 0.00 0.00 0.00 18,000 89.56 89.91 9,143.8 1,009.1 9,029.6 9,881.0 0.00 0.00 0.00 18,000 89.56 89.91 9,144.5 1,009.3 9,129.6 9,881.5 0.00 0.00 0.00 18,000 89.56 89.91 9,144.5 1,009.8 9,229.6 9,284.1 0.00 0.00 0.00 18,000 89.56 89.91 9,144.5 1,009.8 9,229.6 9,285.1 0.00 0.00 0.00 0.00 18,000 89.56 89.91 9,144.5 1,009.9 9,529.6 9,881.5 0.00 0.00 0.00 0.00 18,000 89.56 89.91 9,146.8 1,009.6 9,329.6 9,881.3 0.00 0.00 0.00 0.00 18,000 89.56 89.91 9,146.8 1,009.6 9,329.6 9,881.3 0.00 0.00 0.00 0.00 18,000 89.56 89.91 9,146.8 1,009.6 9,329.6 9,881.3 0.00 0.00 0.00 0.00 0	16,200.0	89.56	89.91	9,128.6						0.00
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16,500.0 89.56 89.91 9,130.8 1,006.5 7,329.7 7,393.1 0.00 0.00 0.00 16,600.0 89.56 89.91 9,131.6 1,006.7 7,429.7 7,429.6 0.00 0.00 0.00 16,700.0 89.56 89.91 9,132.4 1,006.9 7,529.6 7,592.1 0.00 0.00 0.00 16,800.0 89.56 89.91 9,133.1 1,007.0 7,629.6 7,691.7 0.00 0.00 0.00 17,000.0 89.56 89.91 9,133.4 1,007.3 7,829.6 7,890.7 0.00 0.00 0.00 17,000.0 89.56 89.91 9,135.4 1,007.5 7,829.6 7,890.7 0.00 0.00 0.00 17,300.0 89.56 89.91 9,136.9 1,007.8 8,129.6 8,189.3 0.00 0.00 0.00 17,500.0 89.56 89.91 9,136.9 1,007.8 8,129.6 8,189.3 0.00 0.00 0.00 17,600.0 89.56 89.91 9,137.7 1,007.9 8,229.6	16,400.0	89.56	89.91	9,130.1	1,006.4					
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16,700.0 89.56 89.91 9,132.4 1,006.9 7,529.6 7,592.1 0.00 0.00 0.00 16,800.0 89.56 89.91 9,133.1 1,007.0 7,629.6 7,691.7 0.00 0.00 0.00 16,900.0 89.56 89.91 9,133.9 1,007.2 7,729.6 7,791.2 0.00 0.00 0.00 17,000.0 89.56 89.91 9,135.4 1,007.5 7,929.6 7,990.3 0.00 0.00 0.00 17,200.0 89.56 89.91 9,135.4 1,007.6 8,029.6 7,990.3 0.00 0.00 0.00 17,300.0 89.56 89.91 9,136.2 1,007.6 8,129.6 8,189.3 0.00 0.00 0.00 17,500.0 89.56 89.91 9,137.7 1,007.9 8,229.6 8,288.8 0.00 0.00 0.00 17,600.0 89.56 89.91 9,139.5 1,008.1 8,329.6 8,388.4 0.00 0.00 0.00 <td>16,600.0</td> <td>89.56</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	16,600.0	89.56								
16,800.0 89.56 89.91 9,133.1 1,007.0 7,629.6 7,691.7 0.00 0.00 0.00 16,900.0 89.56 89.91 9,133.9 1,007.2 7,729.6 7,791.2 0.00 0.00 0.00 0.00 17,000.0 89.56 89.91 9,135.4 1,007.5 7,290.6 7,990.3 0.00 0.00 0.00 17,200.0 89.56 89.91 9,136.2 1,007.6 8,029.6 8,089.8 0.00 0.00 0.00 17,300.0 89.56 89.91 9,136.9 1,007.8 8,129.6 8,189.3 0.00 0.00 0.00 17,400.0 89.56 89.91 9,138.5 1,008.1 8,229.6 8,288.8 0.00 0.00 0.00 17,500.0 89.56 89.91 9,139.5 1,008.1 8,329.6 8,388.4 0.00 0.00 0.00 17,700.0 89.56 89.91 9,139.2 1,008.2 8,429.6 8,487.9 0.00 0.00 0.00 17,800.0 89.56 89.91 9,140.0 1,008.4 <td></td>										
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18,600.0 89.56 89.91 9,146.8 1,009.8 9,429.6 9,483.2 0.00 0.00 0.00 18,700.0 89.56 89.91 9,147.6 1,009.9 9,529.6 9,582.7 0.00 0.00 0.00 18,800.0 89.56 89.91 9,148.3 1,010.1 9,629.6 9,682.2 0.00 0.00 0.00 18,900.0 89.56 89.91 9,149.1 1,010.2 9,729.6 9,781.8 0.00 0.00 0.00 19,000.0 89.56 89.91 9,149.9 1,010.4 9,829.6 9,881.3 0.00 0.00 0.00 19,100.0 89.56 89.91 9,150.6 1,010.5 9,929.6 9,980.8 0.00 0.00 0.00 19,200.0 89.56 89.91 9,151.4 1,010.7 10,029.6 10,080.3 0.00 0.00 0.00 19,300.0 89.56 89.91 9,152.1 1,010.8 10,129.6 10,179.9 0.00 0.00 0.00 19,400.0 89.56 89.91 9,152.1 1,011.0 10,	18,500.0	89.56	89.91	9,146.1	1,009.6	9,329.6	9,383.6	0.00	0.00	
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Database: Company: Hobbs

Mewbourne Oil Company

Project: Site: Eddy County, New Mexico NAD 83 Glock 17/16 B3EH Fed Com #1H

Well: Sec 17, T20S, R29E
Wellbore: BHL: 2200' FNL & 100' FEL, Sec 16

Design: Design #1

Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference: Survey Calculation Method: Site Glock 17/16 B3EH Fed Com #1H WELL @ 3308.0usft (Original Well Elev) WELL @ 3308.0usft (Original Well Elev)

Grid

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: 2090' FSL & 230' F - plan hits target cente - Point	0.00 er	0.00	0.0	0.0	0.0	571,894.00	611,663.00	32.5719843	-104.105039
KOP: 2200' FNL & 10' F\ - plan hits target cente - Point	0.00 er	0.00	8,599.0	995.0	-223.0	572,889.00	611,440.00	32.5747206	-104.105756
FTP: 2200' FNL & 100' F - plan hits target cente - Point	0.00	0.00	9,058.4	995.5	123.0	572,889.53	611,786.00	32.5747200	-104.104633
LP: 2200' FNL & 481' FV - plan hits target cente - Point	0.00 r	0.00	9,077.0	995.7	251.4	572,889.70	611,914.40	32.5747197	-104.104216
PPP2: 2200' FNL & 0' F\ - plan hits target cente - Point	0.00 r	0.00	9,113.6	1,003.1	5,057.0	572,897.08	616,720.00	32.5747106	-104.088616
BHL: 2200' FNL & 100' F - plan hits target cente - Point	0.00 r	0.00	9,153.0	1,011.0	10,242.0	572,905.00	621,905.00	32.5746985	-104.071784

