

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

IN THE MATTER OF THE HEARING CALLED
BY THE OIL CONSERVATION DIVISION FOR
THE PURPOSE OF CONSIDERING:

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

Case No. 20810

VERIFIED STATEMENT OF BRAD DUNN

Brad Dunn, being duly sworn upon his oath, deposes and states:

1. I am a landman for Mewbourne Oil Company ("Mewbourne"), and have personal knowledge of the matters stated herein. I have been qualified by the Division as an expert petroleum landman.
2. Pursuant to NMAC 19.15.4.12.A(1), the following information is submitted in support of the compulsory pooling application filed herein:
 - (a) The purpose of this application is to force pool working interest and mineral owners into the Wolfcamp horizontal spacing unit described below, and in wells to be drilled in the unit.
 - (b) No opposition is expected because the interest owners being pooled have been contacted regarding the proposed wells but have simply refused to voluntarily commit their interests to the wells. Some interest owners are or may be unlocatable.
 - (c) A plat outlining the unit being pooled is attached hereto as Attachment A. Mewbourne seeks an order approving a 640-acre horizontal spacing unit in the Wolfcamp formation comprised of the South Half (S/2) of Section 8, and the South Half (S/2) of Section 9, Township 22 South, Range 27 East, NMPM. Mewbourne further seeks the pooling of all mineral interests in the Wolfcamp formation underlying the unit. The unit will be dedicated to the Sandlot 9-8 W0PM Fee #1H, Sandlot 9-8 W0PM Fee #2H and Sandlot 9-8 W0IL Fee #3H wells. The referenced wells are horizontal wells. The Sandlot 9-8 W0PM Fee #1H and the Sandlot 9-8 W0PM Fee #2H have a first take point in Unit P of Section 9 and a final take point in Unit M of Section 8, while the Sandlot 9-8 W0IL Fee #3H has a first take point in Unit I of Section 9 and a final take point in Unit L of Section 8.
 - (d) There are no depth severances in the Wolfcamp formation.

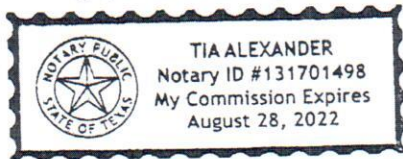
EXHIBIT /

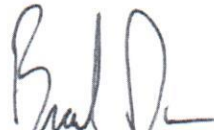
- (e) The parties being pooled and their interests are set forth in Attachment B. Their current and correct addresses are also set forth. To find the unlocatable parties we examined county and government records, and also conducted internet searches including google and drillinginfo.
- (f) Attachment C contains a summary of contacts with the interest owners, together with copies of the proposal letters sent to them.
- (g) Mewbourne has made a good faith effort to obtain the voluntary joinder of the working interest and mineral owners in the proposed wells.
- (h) Mewbourne has the right to pool the overriding royalty owners in the well unit.
- (i) Attachment D is the Authorization for Expenditure for each proposed well. The estimated cost of the wells set forth therein are fair and reasonable, and are comparable to the costs of other wells of similar depth and length drilled in this area of Eddy County.
- (j) Mewbourne requests overhead and administrative rates of \$8000/month for a drilling well and \$800/month for a producing well. These rates are fair, and comparable to the rates charged by other operators for wells of this type in this portion of Eddy County. They are also the rates set forth in the Joint Operating Agreement for the well unit. Mewbourne requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.
- (k) Mewbourne requests that the maximum cost plus 200% risk charge be assessed against non-consenting working interest owners.
- (l) Applicant requests that it be designated operator of the wells.
- (m) The attachments to this affidavit were prepared by me or under my supervision, or compiled from company business records.
- (n) The granting of this application is in the interests of conservation and the prevention of waste.

VERIFICATION

STATE OF TEXAS)
) ss.
COUNTY OF MIDLAND)

Brad Dunn, being duly sworn upon his oath, deposes and states that: He is a landman for Mewbourne Oil Company; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of his knowledge, information, and belief.

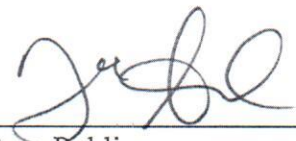




Brad Dunn

SUBSCRIBED AND SWORN TO before me this 6 day of August, 2019 by Brad Dunn.

My Commission Expires: 8-28-22



Notary Public

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name			
4 Property Code		5 Property Name SANDLOT 9/8 WOPM FEE				6 Well Number 1H	
7 OGRID NO.		8 Operator Name MEWBOURNE OIL COMPANY				9 Elevation 3081'	

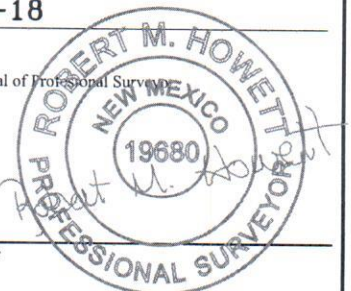
10 Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
M	10	22S	27E		1135	SOUTH	365	WEST	EDDY

11 Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	8	22S	27E		440	SOUTH	330	WEST	EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
--------------------	--------------------	-----------------------	--------------

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

16 <u>GEODETIC DATA</u> NAD 83 GRID - NM EAST <u>SURFACE LOCATION</u> N: 510477.0 - E: 587193.2 LAT: 32.4032815° N LONG: 104.1847522° W <u>BOTTOM HOLE</u> N: 509736.4 - E: 576579.3 LAT: 32.4012816° N LONG: 104.2191456° W		<u>CORNER DATA</u> NAD 83 GRID - NM EAST A: FOUND 1/2" REBAR N: 509295.4 - E: 576249.5 B: FOUND 1" PIPE N: 514658.2 - E: 576248.6 C: FOUND 1" IRON PIPE N: 514641.5 - E: 578890.0 D: FOUND 1" IRON PIPE N: 514624.6 - E: 581530.3 E: CALCULATED CORNER N: 514621.1 - E: 586824.9 F: CALCULATED CORNER N: 514637.5 - E: 592113.5 G: FOUND 1/2" REBAR N: 511996.7 - E: 592113.3 H: CALCULATED CORNER N: 509355.7 - E: 592124.0 I: FOUND COTTON SPINDLE N: 509339.9 - E: 589478.7		<u>17 OPERATOR CERTIFICATION</u> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature _____ Date _____ Printed Name _____ E-mail Address _____	
<u>18 SURVEYOR CERTIFICATION</u> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 12-14-18 Date of Survey Signature and Seal of Professional Surveyor _____ 19680 Certificate Number		19680 Job No.: LS18111283			



District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-0720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name		
4 Property Code		5 Property Name SANDLOT 9/8 WOPM FEE				6 Well Number 2H
7 OGRID NO.		8 Operator Name MEWBOURNE OIL COMPANY				9 Elevation 3081'

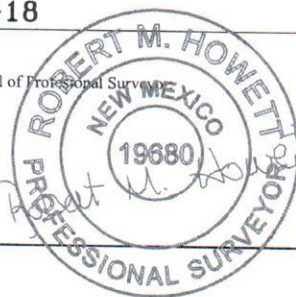
10 Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
M	10	22S	27E		1165	SOUTH	365	WEST	EDDY

11 Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	8	22S	27E		1310	SOUTH	330	WEST	EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
--------------------	--------------------	-----------------------	--------------

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

16 GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION N: 510507.0 - E: 587193.1 LAT: 32.4033639° N LONG: 104.1847522° W BOTTOM HOLE N: 510606.2 - E: 576579.2 LAT: 32.4036725° N LONG: 104.2191430° W	CORNER DATA NAD 83 GRID - NM EAST A: FOUND 1/2" REBAR N: 509295.4 - E: 576249.5 B: FOUND 1" PIPE N: 514658.2 - E: 576248.6 C: FOUND 1" IRON PIPE N: 514641.5 - E: 578890.0 D: FOUND 1" IRON PIPE N: 514624.6 - E: 581530.3 E: CALCULATED CORNER N: 514621.1 - E: 586824.9 F: CALCULATED CORNER N: 514637.5 - E: 592113.5 G: FOUND 1/2" REBAR N: 511996.7 - E: 592113.3 H: CALCULATED CORNER N: 509355.7 - E: 592124.0 I: FOUND COTTON SPINDLE N: 509339.9 - E: 589478.7 J: FOUND 1/2" REBAR N: 509342.7 - E: 586829.2 K: FOUND 1/2" REBAR N: 509327.9 - E: 584195.2 L: FOUND 1/2" REBAR N: 509313.0 - E: 581561.0	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature _____ Date _____ Printed Name _____ E-mail Address _____
18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 12-14-18 Date of Survey Signature and Seal of Professional Surveyor _____ 19680 Certificate Number		19680 Certificate Number Job No.: LS18111284



District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

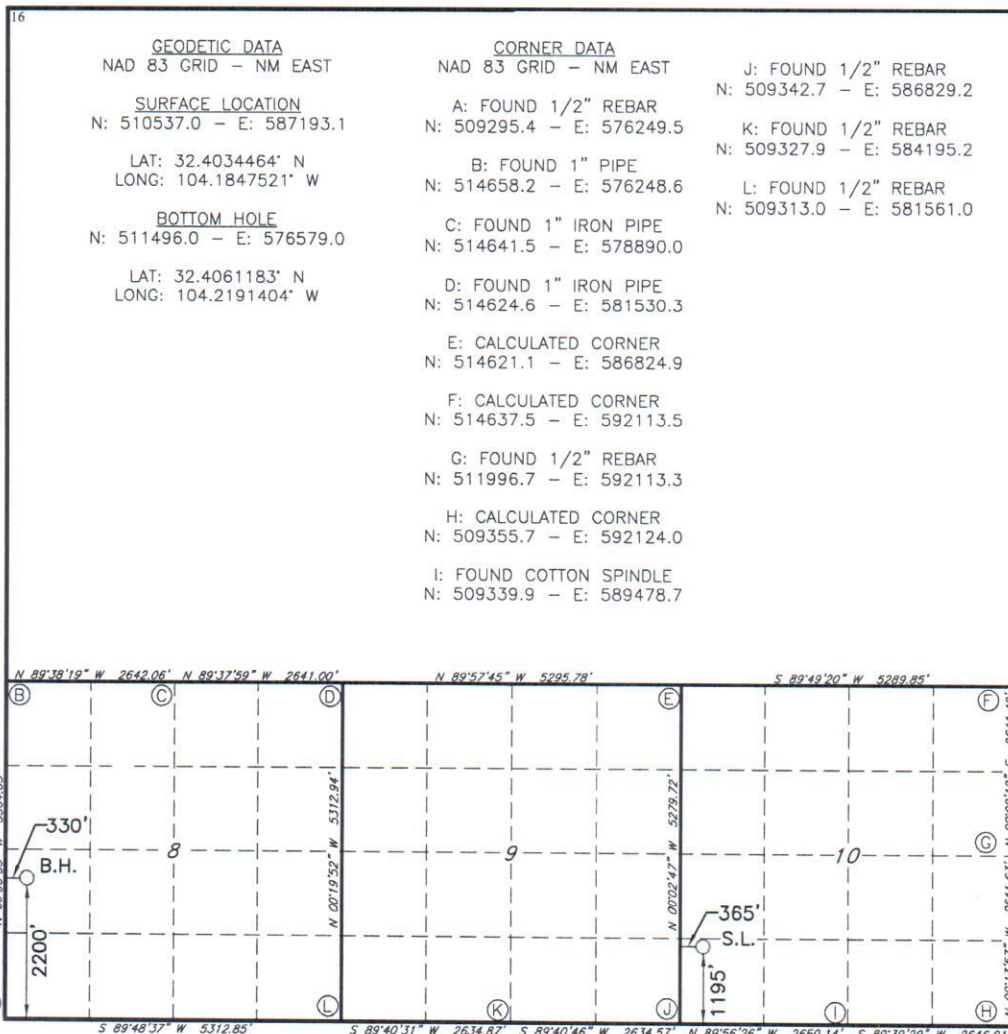
1 API Number		2 Pool Code		3 Pool Name	
4 Property Code		5 Property Name SANDLOT 9/8 WOIL FEE			6 Well Number 3H
7 OGRID NO.		8 Operator Name MEWBOURNE OIL COMPANY			9 Elevation 3081'

10 Surface Location									
UL or lot no. M	Section 10	Township 22S	Range 27E	Lot Idn	Feet from the 1195	North/South line SOUTH	Feet From the 365	East/West line WEST	County EDDY

11 Bottom Hole Location If Different From Surface									
UL or lot no. L	Section 8	Township 22S	Range 27E	Lot Idn	Feet from the 2200	North/South line SOUTH	Feet from the 330	East/West line WEST	County EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
--------------------	--------------------	-----------------------	--------------

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



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Printed Name _____

E-mail Address _____

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

12-14-18
Date of Survey

Signature and Seal of Professional Surveyor

19680
Certificate Number

19680
Job No.: LS18111285

TRACT OWNERSHIP
Sandlot 9-8 W0PM Fee No. 1H & No. 2H & W0IL Fee No. 3H
S/2 of Section 8 & S/2 of Section 9
Township 22 South, Range, 27 East
Eddy County, New Mexico

S/2 of Section 8 & S/2 of Section 9:

% LEASEHOLD INTEREST:

Mewbourne Oil Company, et al	92.650200%
• Magnum Hunter Production, Inc. 600 N. Marienfeld, STE 600 Midland, TX 79701	5.468750%
• SPC Resources, LLC P.O. Box 1020 Artesia, NM 88211-1020	1.718750%
• Ruth D. Roberts P.O. Box 6368 Austin, TX 78672	.081150%
• The Karen Roberts Special Needs Trust 891 Winding Trail Holly Lake Ranch, TX 75765	.040575%
• Wesley Keith Roberts 418 Forest Hills Drive League City, TX 77573	<u>.040575%</u>
	100.000000%
• Total Interest being pooled: 7.3498%	

ATTACHMENT *B*

Summary of Communications

Sandlot 9-8 W0PM Fee #1H

Sandlot 9-8 W0PM Fee #2H

Sandlot 9-8 W0IL Fee #3H

Magnum Hunter Productions, Inc.

- 1.) 3/25/2019: Mailed well proposal letter with AFEs via certified mail.
- 2.) 06/05/2019-Current: Working on a deal with Magnum Hunter Productions, Inc. to acquire their interest

SPC Resources, LLC

- 1.) 04/02/2019: Mailed well proposal letter with AFEs via certified mail.
- 2.) 04/22-05/21/2019: Much email correspondence with SPC regarding title questions with Nichole Singer and Colleen Bradley at SPC Resources
- 3.) 06/24/2019: SPC informed me they were doing final management approval on executing the JOA and would send me a copy soon
- 4.) 07/29/2019: Called both Nichole Singer and Colleen Bradley and left them both voicemails and sent them emails for updates on them signing the JOA
- 5.) 07/31/2019: Sent another email regarding update on executed JOA
- 6.) 08/05/2019: Sent another email regarding update on executed JOA

Ruth D. Roberts, SSP

- 1.) 04/08/2019: Mailed well proposal letter with AFEs via certified mail.
- 2.) 04/15/2019: Email correspondence with Dan Roberts who represents the interest regarding the JOA
- 3.) 06/13/2019: Sent email to Dan Roberts regarding an update to an executed JOA.
- 4.) 07/29/2019: Sent email to Dan Roberts informing him of the Pooling Order in place and inquiring more about the JOA.
- 5.) 08/05/2019: Sent email to Dan Roberts regarding an update to an executed JOA

The Karen Roberts Special Needs Trust f/b/o Karen Roberts

- 1) 04/08/2019: Mailed well proposal letter with AFEs via certified mail. Letter was returned. Receipt attached.
- 2) 05/25/2019: Searched county and government records, and also conducted internet searches including google and drillinginfo to find this unlocatable party.
- 3) 07/26/2019: Searched county and government records, and also conducted internet searches including google and drillinginfo to find this unlocatable party.

ATTACHMENT C

Wesley Keith Roberts

- 1) 04/08/2019: Mailed well proposal letter with AFEs via certified mail.
- 2) 04/23/2019-06/26/2019: Ongoing email correspondence with Wesley Roberts regarding title related questions and questions about the AFEs & the JOA.
- 3.) 07/29/2019: Sent email to Wesley Roberts informing him of the Pooling Order in place and inquiring more about the JOA.
- 4.) 08/01/2019: Wesley emailed me back never commenting about the JOA.
- 5.) 08/01/2019: Emailed back Wesley answering his questions.

4/8/2019

Simple Certified Mail

Mewbourne Oil Company
500 W TEXAS AVE STE 1020
MIDLAND TX 79701-4279

Sandlot 9 8 Prospect BD

US POSTAGE AND FEES PAID
FIRST-CLASS
Apr 08 2019
Mailed from ZIP 79701
2 oz First-Class Mail Flats Rate

CID: 56133



071S00534813

USPS CERTIFIED MAIL



9407 1106 9994 5039 8181 88

The Karen Roberts Special Needs Trust
891 WINDING TRL
HOLLY LAKE RANCH TX 75765-7143



MEWBORNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

Well Name: Sandlot 9/8 WOPM Fee #1H		Prospect: Wolfcamp Y Sand	
Location: SHL: 1280' FSL & 205' FWL (10); BHL: 440' FSL & 330' FWL (8)		County: Eddy ST: NM	
Sec: 9/8	Blk:	Survey:	TWP: 22S RNG: 27E Prop. TVD: 8880 TMD: 18820

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$10,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$50,000	0180-0205	\$25,000
Location / Restoration		0180-0106	\$200,000	0180-0206	\$30,000
Daywork / Turnkey / Footage Drilling 34 days drlg / 4 days comp @ \$22000/d		0180-0110	\$799,000	0180-0210	\$60,900
Fuel 1700 gal/day @ 2.70/gal		0180-0114	\$188,800	0180-0214	\$520,000
Mud, Chemical & Additives		0180-0120	\$240,000	0180-0220	
Horizontal Drillout Services Coil Tbg Drillout				0180-0222	\$200,000
Cementing		0180-0125	\$110,000	0180-0225	\$40,000
Logging & Wireline Services		0180-0130	\$2,000	0180-0230	\$360,000
Casing / Tubing / Snubbing Service		0180-0134	\$20,000	0180-0234	\$70,000
Mud Logging		0180-0137	\$30,000		
Stimulation 46 Stg 18.0 MM gal / 18.0 MM lb				0180-0241	\$3,300,000
Stimulation Rentals & Other				0180-0242	\$200,000
Water & Other		0180-0145	\$50,000	0180-0245	\$560,000
Bits		0180-0148	\$81,000	0180-0248	\$8,000
Inspection & Repair Services		0180-0150	\$40,000	0180-0250	\$5,000
Misc. Air & Pumping Services		0180-0154		0180-0254	\$10,000
Testing & Flowback Services		0180-0158	\$15,000	0180-0258	\$30,000
Completion / Workover Rig				0180-0260	\$10,500
Rig Mobilization		0180-0164	\$150,000		
Transportation		0180-0165	\$20,000	0180-0265	\$20,000
Welding Services		0180-0168	\$5,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170	\$55,500	0180-0270	\$36,000
Directional Services Includes Vertical Control		0180-0175	\$336,000		
Equipment Rental		0180-0180	\$284,700	0180-0280	\$30,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$5,500	0180-0285	
Intangible Supplies		0180-0188	\$8,000	0180-0288	\$10,000
Damages		0180-0190	\$25,000	0180-0290	
ROW & Easements		0180-0192		0180-0292	\$10,000
Pipeline Interconnect				0180-0293	
Company Supervision		0180-0195	\$177,600	0180-0295	\$103,200
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment		0180-0198		0180-0298	
Contingencies 10% (TCP) 10% (CC)		0180-0199	\$291,800	0180-0299	\$567,400
TOTAL			\$3,209,900		\$6,241,000

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0") 535' - 13 3/8" 54.5# J-55 ST&C @ \$35.90/ft		0181-0794	\$20,600		
Casing (8.1" - 10.0") 2050' - 9 5/8" 40# N-80 LT&C @ \$27.61/ft		0181-0795	\$60,500		
Casing (6.1" - 8.0") 9215' - 7" 29# P-110 LT&C @ \$27.76/ft		0181-0796	\$273,300		
Casing (4.1" - 6.0") 10620' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft				0181-0797	\$155,000
Tubing (2" - 4") 8415' - 2 7/8" 6.5# L-80 EUE 8rd @ \$5.62/ft				0181-0798	\$50,600
Drilling Head		0181-0860	\$40,000		
Tubing Head & Upper Section				0181-0870	\$50,000
Horizontal Completion Tools Completion Liner Hanger				0181-0871	\$70,000
Sucker Rods				0181-0875	
Subsurface Equipment				0181-0880	
Artificial Lift Systems Gas Lift Valves & Packer				0181-0884	\$25,000
Pumping Unit				0181-0885	
Surface Pumps & Prime Movers				0181-0886	\$40,000
Tanks - Oil 3 - 750 bbl				0181-0890	\$50,000
Tanks - Water 3 - 750 bbl steel coated				0181-0891	\$55,000
Separation / Treating Equipment 30"x10"x1k# 3 ph/36"x15"x1k# Hor 3ph/Gun bbl				0181-0895	\$40,000
Heater Treaters, Line Heaters 8"x20"x75# HT				0181-0897	\$25,000
Metering Equipment				0181-0898	\$14,000
Line Pipe & Valves - Gathering				0181-0900	\$150,000
Fittings / Valves & Accessories				0181-0906	\$120,000
Cathodic Protection				0181-0908	\$8,000
Electrical Installation				0181-0909	\$50,000
Equipment Installation				0181-0910	\$40,000
Pipeline Construction				0181-0920	\$100,000
TOTAL			\$394,400		\$1,042,600
SUBTOTAL			\$3,604,300		\$7,283,600
TOTAL WELL COST			\$10,887,900		

Extra Expense Insurance

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

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

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

Prepared by: T. Cude Date: 8/15/2018

Company Approval: Date:

Joint Owner Interest: Amount:

Joint Owner Name: Signature:

MEWBOURNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

Well Name: Sandlot 9/8 W0PM Fee #2H		Prospect: Wolfcamp Y Sand	
Location: SHL: 1310' FSL & 205' FWL (10); BHL: 1310' FSL & 330' FWL (8)		County: Eddy	ST: NM
Sec. 9/8	BLK: 	Survey: 	TWP: 22S RNG: 27E Prop. TVD: 8875 TMD: 18900

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$10,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$50,000	0180-0205	\$25,000
Location / Restoration		0180-0106	\$200,000	0180-0206	\$30,000
Daywork / Turnkey / Footage Drilling 33 days drilg / 4 days comp @ \$22000/d		0180-0110	\$776,000	0180-0210	\$60,900
Fuel 1700 gal/day @ 2.70/gal		0180-0114	\$183,900	0180-0214	\$520,000
Mud, Chemical & Additives		0180-0120	\$240,000	0180-0220	
Horizontal Drillout Services Coil Tbg Drillout				0180-0222	\$200,000
Cementing		0180-0125	\$110,000	0180-0225	\$40,000
Logging & Wireline Services		0180-0130	\$2,000	0180-0230	\$360,000
Casing / Tubing / Snubbing Service		0180-0134	\$20,000	0180-0234	\$70,000
Mud Logging		0180-0137	\$30,000		
Stimulation 46 Stg 18.0 MM gal / 18.0 MM lb				0180-0241	\$3,300,000
Stimulation Rentals & Other				0180-0242	\$200,000
Water & Other		0180-0145	\$50,000	0180-0245	\$560,000
Bits		0180-0148	\$81,000	0180-0248	\$8,000
Inspection & Repair Services		0180-0150	\$40,000	0180-0250	\$5,000
Misc. Air & Pumping Services		0180-0154		0180-0254	\$10,000
Testing & Flowback Services		0180-0158	\$15,000	0180-0258	\$30,000
Completion / Workover Rig				0180-0260	\$10,500
Rig Mobilization		0180-0164	\$150,000		
Transportation		0180-0165	\$20,000	0180-0265	\$20,000
Welding Services		0180-0168	\$5,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170	\$54,000	0180-0270	\$36,000
Directional Services Includes Vertical Control		0180-0175	\$325,500		
Equipment Rental		0180-0180	\$277,700	0180-0280	\$30,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$5,500	0180-0285	
Intangible Supplies		0180-0188	\$8,000	0180-0288	\$10,000
Damages		0180-0190	\$25,000	0180-0290	
ROW & Easements		0180-0192		0180-0292	\$10,000
Pipeline Interconnect				0180-0293	
Company Supervision		0180-0195	\$172,800	0180-0295	\$103,200
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment		0180-0198		0180-0298	
Contingencies 10% (TCP) 10% (CC)		0180-0199	\$286,600	0180-0299	\$567,400
TOTAL			\$3,153,000		\$6,241,000

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0") 535' - 13 3/8" 54.5# J-55 ST&C @ \$35.90/ft		0181-0794	\$20,600		
Casing (8.1" - 10.0") 2050' - 9 5/8" 40# N-80 LT&C @ \$27.61/ft		0181-0795	\$60,500		
Casing (6.1" - 8.0") 9215' - 7" 29# P-110 LT&C @ \$27.76/ft		0181-0796	\$273,300		
Casing (4.1" - 6.0") 10620' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft				0181-0797	\$155,000
Tubing (2" - 4") 8410' - 2 7/8" 6.5# L-80 EUE 8rd @ \$5.62/ft				0181-0798	\$50,500
Drilling Head		0181-0860	\$40,000		
Tubing Head & Upper Section				0181-0870	\$50,000
Horizontal Completion Tools Completion Liner Hanger				0181-0871	\$70,000
Sucker Rods				0181-0875	
Subsurface Equipment				0181-0880	
Artificial Lift Systems Gas Lift Valves & Packer				0181-0884	\$25,000
Pumping Unit				0181-0885	
Surface Pumps & Prime Movers				0181-0886	\$40,000
Tanks - Oil 3 - 750 bbl				0181-0890	\$50,000
Tanks - Water 3 - 750 bbl steel coated				0181-0891	\$55,000
Separation / Treating Equipment 30"x10"x1k# 3 ph/36"x15"x1k# Hor 3ph/Gun bbl				0181-0895	\$40,000
Heater Treaters, Line Heaters 8'x20'x75# HT				0181-0897	\$25,000
Metering Equipment				0181-0898	\$14,000
Line Pipe & Valves - Gathering				0181-0900	\$150,000
Fittings / Valves & Accessories				0181-0906	\$120,000
Cathodic Protection				0181-0908	\$8,000
Electrical Installation				0181-0909	\$50,000
Equipment Installation				0181-0910	\$40,000
Pipeline Construction				0181-0920	\$100,000
TOTAL			\$394,400		\$1,042,500
SUBTOTAL			\$3,547,400		\$7,283,500
TOTAL WELL COST			\$10,830,900		

Extra Expense Insurance

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

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

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

Prepared by: T. Cude	Date: 8/15/2018
Company Approval: _____	Date: _____
Joint Owner Interest: _____ Amount: _____	Signature: _____
Joint Owner Name: _____	

MEWBOURNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

Well Name: Sandlot 9/8 W0IL Fee #3H		Prospect: Wolfcamp Y Sand	
Location: SHL: 1340' FSL & 205' FWL (10); BHL: 2200' FSL & 330' FWL (8)		County: Eddy ST: NM	
Sec. 9/8	Bik:	Survey:	TWP: 22S RNG: 28E Prop. TVD: 8870 TMD: 18890

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$10,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$50,000	0180-0205	\$25,000
Location / Restoration		0180-0106	\$200,000	0180-0206	\$30,000
Daywork / Turnkey / Footage Drilling 34 days drlg / 4 days comp @ \$22000/d		0180-0110	\$799,000	0180-0210	\$60,900
Fuel 1700 gal/day @ 2.70/gal		0180-0114	\$188,800	0180-0214	\$520,000
Mud, Chemical & Additives		0180-0120	\$240,000	0180-0220	
Horizontal Drillout Services Coil Tbg Drillout				0180-0222	\$200,000
Cementing		0180-0125	\$110,000	0180-0225	\$40,000
Logging & Wireline Services		0180-0130	\$2,000	0180-0230	\$360,000
Casing / Tubing / Snubbing Service		0180-0134	\$20,000	0180-0234	\$70,000
Mud Logging		0180-0137	\$30,000		
Stimulation 46 Stg 18.0 MM gal / 18.0 MM lb				0180-0241	\$3,300,000
Stimulation Rentals & Other				0180-0242	\$200,000
Water & Other		0180-0145	\$50,000	0180-0245	\$560,000
Bits		0180-0148	\$81,000	0180-0248	\$8,000
Inspection & Repair Services		0180-0150	\$40,000	0180-0250	\$5,000
Misc. Air & Pumping Services		0180-0154		0180-0254	\$10,000
Testing & Flowback Services		0180-0158	\$15,000	0180-0258	\$30,000
Completion / Workover Rig				0180-0260	\$10,500
Rig Mobilization		0180-0164	\$150,000		
Transportation		0180-0165	\$20,000	0180-0265	\$20,000
Welding Services		0180-0168	\$5,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170	\$55,500	0180-0270	\$36,000
Directional Services Includes Vertical Control		0180-0175	\$336,000		
Equipment Rental		0180-0180	\$284,700	0180-0280	\$30,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$5,500	0180-0285	
Intangible Supplies		0180-0188	\$8,000	0180-0288	\$10,000
Damages		0180-0190	\$25,000	0180-0290	
ROW & Easements		0180-0192		0180-0292	\$10,000
Pipeline Interconnect				0180-0293	
Company Supervision		0180-0195	\$177,600	0180-0295	\$103,200
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment		0180-0198		0180-0298	
Contingencies 10% (TCP) 10% (CC)		0180-0199	\$291,800	0180-0299	\$567,400
TOTAL			\$3,209,900		\$6,241,000

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0") 535' - 13 3/8" 54.5# J-55 ST&C @ \$35.90/ft		0181-0794	\$20,600		
Casing (8.1" - 10.0") 2050' - 9 5/8" 40# N-80 LT&C @ \$27.61/ft		0181-0795	\$60,500		
Casing (6.1" - 8.0") 9205' - 7" 29# P-110 LT&C @ \$27.76/ft		0181-0796	\$273,000		
Casing (4.1" - 6.0") 10620' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft				0181-0797	\$155,000
Tubing (2" - 4") 8405' - 2 7/8" 6.5# L-80 EUE 8rd @ \$5.62/ft				0181-0798	\$50,500
Drilling Head		0181-0860	\$40,000		
Tubing Head & Upper Section				0181-0870	\$50,000
Horizontal Completion Tools Completion Liner Hanger				0181-0871	\$70,000
Sucker Rods				0181-0875	
Subsurface Equipment				0181-0880	
Artificial Lift Systems Gas Lift Valves & Packer				0181-0884	\$25,000
Pumping Unit				0181-0885	
Surface Pumps & Prime Movers				0181-0886	\$40,000
Tanks - Oil 3 - 750 bbl				0181-0890	\$50,000
Tanks - Water 3 - 750 bbl steel coated				0181-0891	\$55,000
Separation / Treating Equipment 30"x10"x1k# 3 ph/36"x15"x1k# Hor 3ph/Gun bbl				0181-0895	\$40,000
Heater Treaters, Line Heaters 8"x20"x75# HT				0181-0897	\$25,000
Metering Equipment				0181-0898	\$14,000
Line Pipe & Valves - Gathering				0181-0900	\$150,000
Fittings / Valves & Accessories				0181-0906	\$120,000
Cathodic Protection				0181-0908	\$8,000
Electrical Installation				0181-0909	\$50,000
Equipment Installation				0181-0910	\$40,000
Pipeline Construction				0181-0920	\$100,000
TOTAL			\$394,100		\$1,042,500
SUBTOTAL			\$3,604,000		\$7,283,500
TOTAL WELL COST			\$10,887,500		

Extra Expense Insurance

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

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

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

Prepared by: T. Cude Date: 8/15/2018

Company Approval: Date:

Joint Owner Interest: Amount:

Joint Owner Name: Signature:

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

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

Case No. 20810

SELF-AFFIRMED STATEMENT OF NOTICE

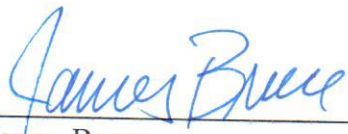
COUNTY OF SANTA FE)
) ss.
STATE OF NEW MEXICO)

James Bruce deposes and states:

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

Date:

10/3/19



James Bruce

EXHIBIT 2

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

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

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

jamesbruc@aol.com

September 12, 2019

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

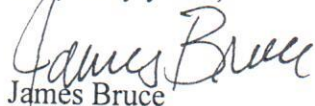
Ladies and gentlemen:

Enclosed is a copy of an application for compulsory pooling, filed with the New Mexico Oil Conservation Division by Mewbourne Oil Company, regarding two Wolfcamp wells in the S/2 of Section 9 and the S/2 of Section 8, Township 22 South, Range 27 East, NMPM, Eddy County, New Mexico.

This matter is scheduled for hearing at 8:15 a.m. on Thursday, October 3, 2019, in Porter Hall at the Division's offices 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 who may be affected by the application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting this matter at a later date.

A party appearing in a Division case is required by Division Regulations to file a Pre-Hearing Statement no later than Thursday, September 26, 2019. This statement must be filed with the Division's Santa Fe office at the above address, and should include: The names of the party and his or her attorney; a concise statement of the case; the names of the witnesses the party will call to testify at the hearing; the approximate time the party will need to present its case; and identification of any procedural matters that need to be resolved prior to the hearing

Very truly yours,


James Bruce

Attorney for Mewbourne Oil Company

ATTACHMENT *A*

EXHIBIT A

Wesley Keith Roberts
418 Forest Hills Drive
League City, TX 77573

The Karen Roberts Special Needs Trust
891 Winding Trail
Holly Lake Ranch, TX 75765

Ruth D. Roberts
P.O. Box 6368
Austin, TX 78762
Attn: Dan Roberts

Cimarex Energy Company
600 N. Marienfeld, Suite 600
Midland, Texas 79701
Attn: Caitlin Pierce

SPC Resources, LLC
P.O. Box 1020
Artesia, NM 88211-1020
Attn: Nicole Singer

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Wesley Keith Roberts
418 Forest Hills Drive
League City, TX 77573



9590 9402 4582 8278 5924 37

7018 2290 0000 3426 2019

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

COMPLETE THIS SECTION ON DELIVERY

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

3. Service Type
- ☐ Adult Signature
 - ☐ Registered MailTM
 - ☐ Certified Mail[®]
 - ☐ Collect on Delivery
 - ☐ Priority Mail Express[®]
 - ☐ Registered Mail Restricted Delivery
 - ☐ Return Receipt for Merchandise
 - ☐ Signature ConfirmationTM
 - ☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

U.S. Postal ServiceTM
CERTIFIED MAIL[®] RECEIPT
Domestic Mail Only

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

OFFICIAL USE

Certified Mail Fee

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

- ☐ Return Receipt (hardcopy) \$
- ☐ Return Receipt (electronic) \$
- ☐ Certified Mail Restricted Delivery \$
- ☐ Adult Signature Required \$
- ☐ Adult Signature Restricted Delivery \$

Postmark
Here

Total Postage and Fees

Sent To SPC Resources, LLC
P.O. Box 1020
Artesia, NM 88211-1020
City, State, ZIP+4[®]

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

U.S. Postal ServiceTM
CERTIFIED MAIL[®] RECEIPT
Domestic Mail Only

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

OFFICIAL USE

Certified Mail Fee

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

- ☐ Return Receipt (hardcopy) \$
- ☐ Return Receipt (electronic) \$
- ☐ Certified Mail Restricted Delivery \$
- ☐ Adult Signature Required \$
- ☐ Adult Signature Restricted Delivery \$

Postmark
Here

Total Postage and Fees

Sent To Wesley Keith Roberts
418 Forest Hills Drive
League City, TX 77573
City, State, ZIP+4[®]

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

SPC Resources, LLC
P.O. Box 1020
Artesia, NM 88211-1020



9590 9402 4582 8278 5924 37

7018 2290 0000 3426 1975

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

COMPLETE THIS SECTION ON DELIVERY

- A. Signature ☒ Agent ☐ Addressee
- B. Received by (Printed Name) Felicit C. Date of Delivery 9/18/19
- D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

3. Service Type
- ☐ Priority Mail Express[®]
 - ☐ Registered MailTM
 - ☐ Adult Signature Restricted Delivery
 - ☐ Certified Mail[®]
 - ☐ Collect on Delivery
 - ☐ Return Receipt for Merchandise
 - ☐ Signature ConfirmationTM
 - ☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Cimarex Energy Company
600 N. Maricopa, Suite 600
Midland, Texas 79701



9590 9402 4582 8278 5924 44

7018 2290 0000 3426 1982

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

Domestic Return Receipt

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

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

OFFICIAL USE

Certified Mail Fee

Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$
 Postage \$

Postmark
Here

Total Postage and Fees

Sent To
Cimarex Energy Company
600 N. Maricopa, Suite 600
Midland, Texas 79701

City, State, ZIP+4®

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature [Signature] ☒ Agent ☐ Addressee
 B. Received by (Printed Name) David Garcia C. Date of Delivery 9/20/19
 D. Is delivery address different from item 1? ☐ Yes ☐ No
 If YES, enter delivery address below:

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

(over 300)

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

The Karen Roberts Special Needs Trust
891 Winding Trail
Holly Lake Ranch, TX 75765



9590 9402 4582 8278 5924 68

2. Article # 7018 2290 0000 3426 2002

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

Domestic Return Receipt

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

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

OFFICIAL USE

Certified Mail Fee

Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$
 Postage \$

Postmark
Here

Total Postage and Fees

Sent To
The Karen Roberts Special Needs Trust
891 Winding Trail
Holly Lake Ranch, TX 75765

City, State, ZIP+4®

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature [Signature] ☒ Agent ☐ Addressee
 B. Received by (Printed Name) Karen Roberts C. Date of Delivery 9-17-19
 D. Is delivery address different from item 1? ☐ Yes ☐ No
 If YES, enter delivery address below:

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

Delivery

Domestic Return Receipt

U.S. Postal ServiceTM
CERTIFIED MAIL[®] RECEIPT
Domestic Mail Only

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

OFFICIAL USE

Certified Mail Fee	\$	
Extra Services & Fees (check box, add fee as appropriate)		
☐ Return Receipt (hardcopy)	\$	
☐ Return Receipt (electronic)	\$	
☐ Certified Mail Restricted Delivery	\$	
☐ Adult Signature Required	\$	
☐ Adult Signature Restricted Delivery	\$	
Postage	\$	
Total Postage and Fees	\$	

Postmark
Here

Sent To	Ruth D. Roberts
	P.O. Box 6368
Street and Apt. No.	Austin, TX 78762
City, State, ZIP+4 [®]	

6667 924E 0000 0622 8T02

CARLSBAD CURRENT-ARGUS

AFFIDAVIT OF PUBLICATION

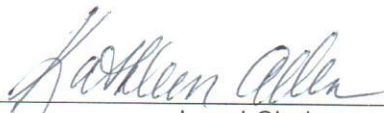
Ad No.
0001296860

JAMES BRUCE ATTORNEY AT LAW
PO BOX 1056

SANTA FE NM 87504

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:

09/19/19


Legal Clerk

Subscribed and sworn before me this
19th of September 2019.


State of WI, County of Brown
NOTARY PUBLIC

5.15.23

My Commission Expires

Ad#:0001296860
P O :
of Affidavits :0.00

NANCY HEYRMAN
Notary Public
State of Wisconsin

NOTICE

To: Wesley Keith Roberts, The Trustee of the Karen Roberts Special Needs Trust, Ruth D. Roberts, Cimarex Energy Co., and SPC Resources, LLC, or your heirs, devisees, successors, or assigns: Mewbourne Oil Company has filed an application with the New Mexico Oil Conservation Division (Case No. 20810) seeking an order pooling all mineral interests in the Wolfcamp formation underlying a horizontal spacing unit comprised of the S/2 of Section 9 and the S/2 of Section 8, Township 22 South, Range 27 East, NMPM. The unit will be dedicated to the Sandlot 9/8 WOPM Fee Well No. 1H; Sandlot 9/8 WOPM Fee Well No. 2H, and Sandlot 9/8 WOIL Fee Well No. 3H. Also to be considered will be the cost of drilling and completing the wells and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells, and a 200% charge for the risk involved in drilling and completing the wells. The application is scheduled to be heard at 8:15 a.m. on Thursday, October 3, 2019 at the Division's offices at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. As an interest owner in the well unit you have the right to enter an appearance and participate in the case. Failure to appear will preclude you from contesting this matter at a later date. The attorney for applicant is James Bruce, P.O. Box 1056, Santa Fe, New Mexico 87504. The unit is located approximately 2 miles southeast of Carlsbad, New Mexico.

September 19, 2019

EXHIBIT 3

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

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

Case No. 20810

VERIFIED STATEMENT OF TYLER HILL

COUNTY OF MIDLAND)
) ss.
STATE OF TEXAS)

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

1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am a geologist for Mewbourne Oil Company ("Mewbourne"), and I am familiar with the geological matters involved in this case. I have been qualified by the Division as an expert petroleum geologist.
3. The following geological plats are attached hereto:
 - (a) Attachment A is a structure map of the Wolfcamp formation, mapped on the top of the correlative Wolfcamp marker. It shows that structure dips to the east, and that the planned wellbores would drill perpendicular to strike. It also shows a line of cross-section, A-A'.
 - (b) Attachment B is a west-east cross section. The well logs on the cross-section give a representative sample of the Wolfcamp formation in this area. The target zone for the wells is the Upper Wolfcamp Sand, and that zone is continuous across the well unit.
4. I conclude from the maps that:
 - (a) The horizontal spacing unit is justified from a geologic standpoint.
 - (b) Each quarter section in the unit will contribute more or less equally to production.
 - (c) There is no faulting or other geologic impediment in the area which will affect the drilling of the subject wells.

EXHIBIT

4

5. Attachment C contains information from other wells drilled in the immediate area. There are numerous upper Wolfcamp sand wells, and the preferred orientation is for laydown units. The completed wells in the area are commercial.

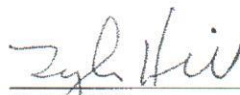
6. Attachment D is the Survey Calculation Report for wells: Sandlot 9/8 W0PM Fee #1H, Sandlot 9/8 W0PM Fee #2H, and Sandlot 9/8 W0IL Fee #3H. The producing interval of the proposed well will be orthodox. The Pool code is Purple Sage Wolfcamp (98220).


Tyler Hill

VERIFICATION

STATE OF TEXAS)
) ss.
COUNTY OF MIDLAND)

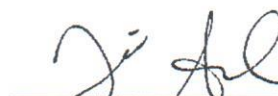
Tyler Hill, being duly sworn upon his oath, deposes and states that: He is a geologist for Mewbourne Oil Company; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of his knowledge, information, and belief.



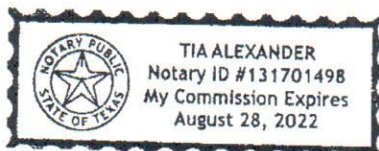
Tyler Hill

SUBSCRIBED AND SWORN TO before me this 2nd day of August, 2019 by Tyler Hill.

My Commission Expires: 8-28-22



Notary Public



Sandlot Area Wolfcamp Production Table										
API	Well Name	Well Number	Operator	Location	Field	Cum Oil (Mbo)	Cum Gas (Bcf)	Cum Water (Mbw)	First Prod Date	WFMP Zone
300154437400	CYPRESS FEE 23 27 9	2H	MARATHON	9L-9P/23S/27E	PURPLE SAGE	29	0.31	162	5/1/2018	WFMP C Shale
300154404600	CYPRESS	1H	MARATHON	9M-9P/23S/27E	PURPLE SAGE	178	0.41	666	5/1/2017	WFMP Y Sand
300154408200	MICHAEL COLLINS 11 23S 27E RB	208H	MATADOR	11P-11M/23S/27E	PURPLE SAGE	160	0.41	540	9/1/2017	WFMP Y Sand
300154437600	CYPRESS FEE 23 27 9	4H	MARATHON	9L-9P/23S/27E	PURPLE SAGE	33	0.10	156	5/1/2018	WFMP Y Sand
300154437700	CYPRESS FEE 23 27 9	5H	MARATHON	9L-9I/23S/27E	PURPLE SAGE	82	0.26	330	3/1/2018	WFMP Y Sand
300154437800	CYPRESS FEE 23 27 9	6H	MARATHON	9L-9I/23S/27E	PURPLE SAGE	24	0.70	594	6/1/2018	WFMP Y Sand
300154438000	CYPRESS FEE 23 27 9	8H	MARATHON	9L-9I/23S/27E	PURPLE SAGE	44	0.24	251	3/1/2018	WFMP Y Sand
300154444300	MICHAEL COLLINS 11 23S 27E RB	203H	MATADOR	11I-11L/23S/27E	PURPLE SAGE	123	0.35	421	2/1/2018	WFMP Y Sand
300154447200	MICHAEL COLLINS 11 23S 27E RB	206H	MATADOR	11I-11E/23S/27E	PURPLE SAGE	114	0.25	405	2/1/2018	WFMP Y Sand
300154454400	WOLFMAN 5 4 WOLI FEDERAL COM	1H	MEWBOURNE	5L-4I/23S/27E	PURPLE SAGE	242	0.46	475	4/1/2018	WFMP Y Sand

ATTACHMENT

C

Mewbourne Oil Company

Sandlot 9/8 W01L Fee #3H

SURVEY CALCULATION REPORT

Minimum Curvature Calculations

Survey No.	Measured Depth-ft	Drift (Deg.)	Azimuth (Deg.)	Course Length	TVD (Feet)	Vertical Section	+N/-S (Feet)	+E/-W (Feet)	Closure Distance	Closure Direction	BUR	DLS	KBTVD	Target	DRIFT RADIANS	AZIMUTH (RADIAN)
Operator: Mewbourne Oil Company																
Lease Name: Sandlot 9-8 W01L Fee 3H																
KOP 8416.54																
SL: 1340 FSL & 205 FWL Sec 10-22S-27E																
BHL: 2200 FSL & 330 FWL Sec 8-22S-27E																
Declination Corrected to True North:																
Bit to Survey Offset:																
Target KBTVD: 8,894 Feet																
Target Angle: 90.67 Degrees																
Section Plane: 275.12 Degrees																
6.63 Degrees																
44 Feet																
+Above																
-Below																
#VALUE!																
T/I	8416.54	0.00	275.12	N/A	8416.5	0.0	0.0	0.0	0.0	0.0	N/A	N/A	8416.5	477.5	1E-12	4.80
1	8492.10	9.07	275.12	75.562	8491.8	6.0	0.5	-5.9	6.0	275.1	12.0	12.0	8491.9	402.1	0.158257	4.80
2	8567.66	18.13	275.12	75.562	8565.1	23.7	2.1	-23.6	23.7	275.1	12.0	12.0	8565.4	328.6	0.316513	4.80
3	8643.22	27.20	275.12	75.562	8634.8	52.8	4.7	-52.6	52.8	275.1	12.0	12.0	8635.4	258.6	0.47477	4.80
4	8718.78	36.27	275.12	75.562	8699.0	92.5	8.3	-92.1	92.5	275.1	12.0	12.0	8700.1	193.9	0.633026	4.80
5	8794.34	45.34	275.12	75.562	8756.1	141.8	12.7	-141.3	141.8	275.1	12.0	12.0	8757.8	136.2	0.791283	4.80
6	8869.91	54.40	275.12	75.562	8804.8	199.6	17.8	-198.8	199.6	275.1	12.0	12.0	8807.1	86.9	0.94954	4.80
7	8945.47	63.47	275.12	75.562	8843.7	264.2	23.6	-263.2	264.2	275.1	12.0	12.0	8846.8	47.2	1.107796	4.80
8	9021.03	72.54	275.12	75.562	8872.0	334.2	29.8	-332.9	334.2	275.1	12.0	12.0	8875.9	18.1	1.266053	4.80
9	9096.59	81.61	275.12	75.562	8888.9	407.8	36.4	-406.1	407.8	275.1	12.0	12.0	8893.7	0.3	1.424309	4.80
10	9172.15	90.67	275.12	75.562	8894.0	483.1	43.1	-481.2	483.1	275.1	12.0	12.0	8899.7	-5.7	1.582566	4.80
11	9200.00	90.67	275.12	27.845	8893.6	510.9	45.6	-508.9	510.9	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80
12	9300.00	90.67	275.12	100	8892.5	610.9	54.5	-608.5	610.9	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80
13	9400.00	90.67	275.12	100	8891.3	710.9	63.4	-708.1	710.9	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80
14	9500.00	90.67	275.12	100	8890.1	810.9	72.4	-807.7	810.9	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80
15	9600.00	90.67	275.12	100	8888.9	910.9	81.3	-907.3	910.9	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80
16	9700.00	90.67	275.12	100	8887.8	1010.9	90.2	-1006.9	1010.9	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80
17	9800.00	90.67	275.12	100	8886.6	1110.9	99.1	-1106.5	1110.9	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80
18	9900.00	90.67	275.12	100	8885.4	1210.9	108.1	-1206.0	1210.9	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80
19	10000.00	90.67	275.12	100	8884.2	1310.9	117.0	-1305.6	1310.9	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80
20	10100.00	90.67	275.12	100	8883.0	1410.9	125.9	-1405.2	1410.9	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80
21	10200.00	90.67	275.12	100	8881.9	1510.9	134.8	-1504.8	1510.9	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80
22	10300.00	90.67	275.12	100	8880.7	1610.9	143.8	-1604.4	1610.9	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80
23	10400.00	90.67	275.12	100	8879.5	1710.8	152.7	-1704.0	1710.8	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80
24	10500.00	90.67	275.12	100	8878.3	1810.8	161.6	-1803.6	1810.8	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80
25	10600.00	90.67	275.12	100	8877.2	1910.8	170.5	-1903.2	1910.8	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80
26	10700.00	90.67	275.12	100	8876.0	2010.8	179.4	-2002.8	2010.8	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80
27	10800.00	90.67	275.12	100	8874.8	2110.8	188.4	-2102.4	2110.8	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80
28	10900.00	90.67	275.12	100	8873.6	2210.8	197.3	-2202.0	2210.8	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80
29	11000.00	90.67	275.12	100	8872.5	2310.8	206.2	-2301.6	2310.8	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80
30	11100.00	90.67	275.12	100	8871.3	2410.8	215.1	-2401.2	2410.8	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80

ATTACHMENT D

31	11200.00	90.67	275.12	100	8870.1	2510.8	224.1	-2500.8	2510.8	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
32	11300.00	90.67	275.12	100	8868.9	2610.8	233.0	-2600.4	2610.8	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
33	11400.00	90.67	275.12	100	8867.7	2710.8	241.9	-2700.0	2710.8	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
34	11500.00	90.67	275.12	100	8866.6	2810.8	250.8	-2799.6	2810.8	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
35	11600.00	90.67	275.12	100	8865.4	2910.8	259.8	-2899.1	2910.8	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
36	11700.00	90.67	275.12	100	8864.2	3010.8	268.7	-2998.7	3010.8	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
37	11800.00	90.67	275.12	100	8863.0	3110.7	277.6	-3098.3	3110.7	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
38	11900.00	90.67	275.12	100	8861.9	3210.7	286.5	-3197.9	3210.7	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
39	12000.00	90.67	275.12	100	8860.7	3310.7	295.5	-3297.5	3310.7	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
40	12100.00	90.67	275.12	100	8859.5	3410.7	304.4	-3397.1	3410.7	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
41	12200.00	90.67	275.12	100	8858.3	3510.7	313.3	-3496.7	3510.7	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
42	12300.00	90.67	275.12	100	8857.2	3610.7	322.2	-3596.3	3610.7	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
43	12400.00	90.67	275.12	100	8856.0	3710.7	331.2	-3695.9	3710.7	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
44	12500.00	90.67	275.12	100	8854.8	3810.7	340.1	-3795.5	3810.7	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
45	12600.00	90.67	275.12	100	8853.6	3910.7	349.0	-3895.1	3910.7	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
46	12700.00	90.67	275.12	100	8852.4	4010.7	357.9	-3994.7	4010.7	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
47	12800.00	90.67	275.12	100	8851.3	4110.7	366.8	-4094.3	4110.7	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
48	12900.00	90.67	275.12	100	8850.1	4210.7	375.8	-4193.9	4210.7	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
49	13000.00	90.67	275.12	100	8848.9	4310.7	384.7	-4293.5	4310.7	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
50	13100.00	90.67	275.12	100	8847.7	4410.7	393.6	-4393.1	4410.7	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
51	13200.00	90.67	275.12	100	8846.6	4510.7	402.5	-4492.7	4510.7	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
52	13300.00	90.67	275.12	100	8845.4	4610.6	411.5	-4592.2	4610.6	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
53	13400.00	90.67	275.12	100	8844.2	4710.6	420.4	-4691.8	4710.6	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
54	13500.00	90.67	275.12	100	8843.0	4810.6	429.3	-4791.4	4810.6	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
55	13600.00	90.67	275.12	100	8841.9	4910.6	438.2	-4891.0	4910.6	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
56	13700.00	90.67	275.12	100	8840.7	5010.6	447.2	-4990.6	5010.6	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
57	13800.00	90.67	275.12	100	8839.5	5110.6	456.1	-5090.2	5110.6	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
58	13900.00	90.67	275.12	100	8838.3	5210.6	465.0	-5189.8	5210.6	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
59	14000.00	90.67	275.12	100	8837.1	5310.6	473.9	-5289.4	5310.6	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
60	14100.00	90.67	275.12	100	8836.0	5410.6	482.9	-5389.0	5410.6	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
61	14200.00	90.67	275.12	100	8834.8	5510.6	491.8	-5488.6	5510.6	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
62	14300.00	90.67	275.12	100	8833.6	5610.6	500.7	-5588.2	5610.6	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
63	14400.00	90.67	275.12	100	8832.4	5710.6	509.6	-5687.8	5710.6	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
64	14500.00	90.67	275.12	100	8831.3	5810.6	518.5	-5787.4	5810.6	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
65	14600.00	90.67	275.12	100	8830.1	5910.6	527.5	-5887.0	5910.6	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
66	14700.00	90.67	275.12	100	8828.9	6010.5	536.4	-5986.6	6010.5	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
67	14800.00	90.67	275.12	100	8827.7	6110.5	545.3	-6086.2	6110.5	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
68	14900.00	90.67	275.12	100	8826.6	6210.5	554.2	-6185.8	6210.5	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
69	15000.00	90.67	275.12	100	8825.4	6310.5	563.2	-6285.3	6310.5	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
70	15100.00	90.67	275.12	100	8824.2	6410.5	572.1	-6384.9	6410.5	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
71	15200.00	90.67	275.12	100	8823.0	6510.5	581.0	-6484.5	6510.5	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
72	15300.00	90.67	275.12	100	8821.8	6610.5	589.9	-6584.1	6610.5	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
73	15400.00	90.67	275.12	100	8820.7	6710.5	598.9	-6683.7	6710.5	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
74	15500.00	90.67	275.12	100	8819.5	6810.5	607.8	-6783.3	6810.5	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
75	15600.00	90.67	275.12	100	8818.3	6910.5	616.7	-6882.9	6910.5	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
76	15700.00	90.67	275.12	100	8817.1	7010.5	625.6	-6982.5	7010.5	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10

77	15800.00	90.67	275.12	100	8816.0	7110.5	634.6	-7082.1	7110.5	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
78	15900.00	90.67	275.12	100	8814.8	7210.5	643.5	-7181.7	7210.5	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
79	16000.00	90.67	275.12	100	8813.6	7310.5	652.4	-7281.3	7310.5	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
80	16100.00	90.67	275.12	100	8812.4	7410.4	661.3	-7380.9	7410.4	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
81	16200.00	90.67	275.12	100	8811.3	7510.4	670.2	-7480.5	7510.4	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
82	16300.00	90.67	275.12	100	8810.1	7610.4	679.2	-7580.1	7610.4	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
83	16400.00	90.67	275.12	100	8808.9	7710.4	688.1	-7679.7	7710.4	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
84	16500.00	90.67	275.12	100	8807.7	7810.4	697.0	-7779.3	7810.4	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
85	16600.00	90.67	275.12	100	8806.5	7910.4	705.9	-7878.9	7910.4	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
86	16700.00	90.67	275.12	100	8805.4	8010.4	714.9	-7978.4	8010.4	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
87	16800.00	90.67	275.12	100	8804.2	8110.4	723.8	-8078.0	8110.4	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
88	16900.00	90.67	275.12	100	8803.0	8210.4	732.7	-8177.6	8210.4	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
89	17000.00	90.67	275.12	100	8801.8	8310.4	741.6	-8277.2	8310.4	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
90	17100.00	90.67	275.12	100	8800.7	8410.4	750.6	-8376.8	8410.4	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
91	17200.00	90.67	275.12	100	8799.5	8510.4	759.5	-8476.4	8510.4	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
92	17300.00	90.67	275.12	100	8798.3	8610.4	768.4	-8576.0	8610.4	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
93	17400.00	90.67	275.12	100	8797.1	8710.4	777.3	-8675.6	8710.4	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
94	17500.00	90.67	275.12	100	8796.0	8810.4	786.3	-8775.2	8810.4	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
95	17600.00	90.67	275.12	100	8794.8	8910.3	795.2	-8874.8	8910.3	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
96	17700.00	90.67	275.12	100	8793.6	9010.3	804.1	-8974.4	9010.3	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
97	17800.00	90.67	275.12	100	8792.4	9110.3	813.0	-9074.0	9110.3	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
98	17900.00	90.67	275.12	100	8791.2	9210.3	821.9	-9173.6	9210.3	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
99	18000.00	90.67	275.12	100	8790.1	9310.3	830.9	-9273.2	9310.3	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
100	18100.00	90.67	275.12	100	8788.9	9410.3	839.8	-9372.8	9410.3	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
101	18200.00	90.67	275.12	100	8787.7	9510.3	848.7	-9472.4	9510.3	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
102	18300.00	90.67	275.12	100	8786.5	9610.3	857.6	-9572.0	9610.3	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
103	18400.00	90.67	275.12	100	8785.4	9710.3	866.6	-9671.5	9710.3	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
104	18500.00	90.67	275.12	100	8784.2	9810.3	875.5	-9771.1	9810.3	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
105	18600.00	90.67	275.12	100	8783.0	9910.3	884.4	-9870.7	9910.3	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
106	18700.00	90.67	275.12	100	8781.8	10010.3	893.3	-9970.3	10010.3	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
107	18800.00	90.67	275.12	100	8780.7	10110.3	902.3	-10069.9	10110.3	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
108	18900.00	90.67	275.12	100	8779.5	10210.3	911.2	-10169.5	10210.3	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
109	19000.00	90.67	275.12	100	8778.3	10310.2	920.1	-10269.1	10310.2	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
110	19100.00	90.67	275.12	100	8777.1	10410.2	929.0	-10368.7	10410.2	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
111	19200.00	90.67	275.12	100	8775.9	10510.2	938.0	-10468.3	10510.2	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10
112	19300.00	90.67	275.12	100	8774.8	10610.2	946.9	-10567.9	10610.2	275.1	0.0	0.0	8899.7	-5.7	1.582566	4.80	1E-10

Mewbourne Oil Company																	
Sandlot 9/8 WOPM Fee #1H																	
SURVEY CALCULATION REPORT																	
Minimum Curvature Calculations																	
Survey No.	Operator: Mewbourne Oil Company	Lease Name: Sandlot 9-8 WOPM Fee 1H	KOP 8416.54	SL: 1280 FSL & 205 FWL Sec 10-22S-27E	BHL: 440 FSL & 330 FWL Sec 10-22S-27E	Vertical Section	+N/-S (Feet)	+E/-W (Feet)	Closure Distance	Closure Direction	BUR	DLS	KBTVD	Target KBTVD: Target Angle: Section Plane:	8,894 Feet	8894.00	
																	TVD (Feet)
T/1	8416.54	0.00	265.98	N/A	8416.5	0.0	0.0	0.0	0.0	0.0	N/A	N/A	8416.5	477.5	1E-12	4.64 #VALUE!	
1	8492.10	9.07	265.98	75.563	8491.8	6.0	-0.4	-6.0	6.0	266.0	12.0	12.0	8491.9	402.1	0.158259	4.64 0.1582585	
2	8567.66	18.14	265.98	75.563	8565.2	23.7	-1.7	-23.7	23.7	266.0	12.0	12.0	8565.4	328.6	0.316517	4.64 0.1582585	
3	8643.22	27.20	265.98	75.563	8634.8	52.8	-3.7	-52.7	52.8	266.0	12.0	12.0	8635.4	258.6	0.474776	4.64 0.1582585	
4	8718.79	36.27	265.98	75.563	8699.0	92.5	-6.5	-92.3	92.5	266.0	12.0	12.0	8700.1	193.9	0.633034	4.64 0.1582585	
5	8794.35	45.34	265.98	75.563	8756.1	141.8	-10.0	-141.5	141.8	266.0	12.0	12.0	8757.8	136.2	0.791293	4.64 0.1582585	
6	8869.91	54.41	265.98	75.563	8804.8	199.6	-14.0	-199.1	199.6	266.0	12.0	12.0	8807.1	86.9	0.949551	4.64 0.1582585	
7	8945.48	63.47	265.98	75.563	8843.7	264.2	-18.5	-263.6	264.2	266.0	12.0	12.0	8846.8	47.2	1.10781	4.64 0.1582585	
8	9021.04	72.54	265.98	75.563	8872.0	334.2	-23.4	-333.4	334.2	266.0	12.0	12.0	8875.9	18.1	1.260608	4.64 0.1582585	
9	9096.60	81.61	265.98	75.563	8888.9	407.8	-28.6	-406.8	407.8	266.0	12.0	12.0	8893.7	0.3	1.424327	4.64 0.1582585	
10	9172.16	90.68	265.98	75.563	8894.0	483.1	-33.9	-481.9	483.1	266.0	12.0	12.0	8899.7	-5.7	1.582585	4.64 0.1582585	
11	9200.00	90.68	265.98	27.836	8893.6	510.9	-35.8	-509.7	510.9	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64 1E-10	
12	9300.00	90.68	265.98	100	8892.5	610.9	-42.9	-609.4	610.9	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64 1E-10	
13	9400.00	90.68	265.98	100	8891.3	710.9	-49.9	-709.2	710.9	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64 1E-10	
14	9500.00	90.68	265.98	100	8890.1	810.9	-56.9	-808.9	810.9	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64 1E-10	
15	9600.00	90.68	265.98	100	8888.9	910.9	-63.9	-908.7	910.9	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64 1E-10	
16	9700.00	90.68	265.98	100	8887.7	1010.9	-70.9	-1008.4	1010.9	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64 1E-10	
17	9800.00	90.68	265.98	100	8886.6	1110.9	-77.9	-1108.1	1110.9	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64 1E-10	
18	9900.00	90.68	265.98	100	8885.4	1210.9	-85.0	-1207.9	1210.9	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64 1E-10	
19	10000.00	90.68	265.98	100	8884.2	1310.9	-92.0	-1307.6	1310.9	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64 1E-10	
20	10100.00	90.68	265.98	100	8883.0	1410.9	-99.0	-1407.4	1410.9	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64 1E-10	
21	10200.00	90.68	265.98	100	8881.9	1510.9	-106.0	-1507.1	1510.9	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64 1E-10	
22	10300.00	90.68	265.98	100	8880.7	1610.9	-113.0	-1606.9	1610.9	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64 1E-10	
23	10400.00	90.68	265.98	100	8879.5	1710.8	-120.0	-1706.6	1710.8	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64 1E-10	
24	10500.00	90.68	265.98	100	8878.3	1810.8	-127.0	-1806.4	1810.8	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64 1E-10	
25	10600.00	90.68	265.98	100	8877.1	1910.8	-134.1	-1906.1	1910.8	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64 1E-10	
26	10700.00	90.68	265.98	100	8876.0	2010.8	-141.1	-2005.9	2010.8	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64 1E-10	
27	10800.00	90.68	265.98	100	8874.8	2110.8	-148.1	-2105.6	2110.8	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64 1E-10	
28	10900.00	90.68	265.98	100	8873.6	2210.8	-155.1	-2205.4	2210.8	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64 1E-10	
29	11000.00	90.68	265.98	100	8872.4	2310.8	-162.1	-2305.1	2310.8	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64 1E-10	
30	11100.00	90.68	265.98	100	8871.2	2410.8	-169.1	-2404.9	2410.8	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64 1E-10	

31	11200.00	90.68	265.98	100	8870.1	2510.8	-176.2	-2504.6	2510.8	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
32	11300.00	90.68	265.98	100	8868.9	2610.8	-183.2	-2604.3	2610.8	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
33	11400.00	90.68	265.98	100	8867.7	2710.8	-190.2	-2704.1	2710.8	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
34	11500.00	90.68	265.98	100	8866.5	2810.8	-197.2	-2803.8	2810.8	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
35	11600.00	90.68	265.98	100	8865.3	2910.8	-204.2	-2903.6	2910.8	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
36	11700.00	90.68	265.98	100	8864.2	3010.8	-211.2	-3003.3	3010.8	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
37	11800.00	90.68	265.98	100	8863.0	3110.7	-218.3	-3103.1	3110.7	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
38	11900.00	90.68	265.98	100	8861.8	3210.7	-225.3	-3202.8	3210.7	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
39	12000.00	90.68	265.98	100	8860.6	3310.7	-232.3	-3302.6	3310.7	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
40	12100.00	90.68	265.98	100	8859.5	3410.7	-239.3	-3402.3	3410.7	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
41	12200.00	90.68	265.98	100	8858.3	3510.7	-246.3	-3502.1	3510.7	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
42	12300.00	90.68	265.98	100	8857.1	3610.7	-253.3	-3601.8	3610.7	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
43	12400.00	90.68	265.98	100	8855.9	3710.7	-260.3	-3701.6	3710.7	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
44	12500.00	90.68	265.98	100	8854.7	3810.7	-267.4	-3801.3	3810.7	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
45	12600.00	90.68	265.98	100	8853.6	3910.7	-274.4	-3901.1	3910.7	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
46	12700.00	90.68	265.98	100	8852.4	4010.7	-281.4	-4000.8	4010.7	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
47	12800.00	90.68	265.98	100	8851.2	4110.7	-288.4	-4100.5	4110.7	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
48	12900.00	90.68	265.98	100	8850.0	4210.7	-295.4	-4200.3	4210.7	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
49	13000.00	90.68	265.98	100	8848.8	4310.7	-302.4	-4300.0	4310.7	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
50	13100.00	90.68	265.98	100	8847.7	4410.7	-309.5	-4399.8	4410.7	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
51	13200.00	90.68	265.98	100	8846.5	4510.6	-316.5	-4499.5	4510.6	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
52	13300.00	90.68	265.98	100	8845.3	4610.6	-323.5	-4599.3	4610.6	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
53	13400.00	90.68	265.98	100	8844.1	4710.6	-330.5	-4699.0	4710.6	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
54	13500.00	90.68	265.98	100	8842.9	4810.6	-337.5	-4798.8	4810.6	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
55	13600.00	90.68	265.98	100	8841.8	4910.6	-344.5	-4898.5	4910.6	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
56	13700.00	90.68	265.98	100	8840.6	5010.6	-351.5	-4998.3	5010.6	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
57	13800.00	90.68	265.98	100	8839.4	5110.6	-358.6	-5098.0	5110.6	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
58	13900.00	90.68	265.98	100	8838.2	5210.6	-365.6	-5197.8	5210.6	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
59	14000.00	90.68	265.98	100	8837.1	5310.6	-372.6	-5297.5	5310.6	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
60	14100.00	90.68	265.98	100	8835.9	5410.6	-379.6	-5397.3	5410.6	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
61	14200.00	90.68	265.98	100	8834.7	5510.6	-386.6	-5497.0	5510.6	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
62	14300.00	90.68	265.98	100	8833.5	5610.6	-393.6	-5596.7	5610.6	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
63	14400.00	90.68	265.98	100	8832.3	5710.6	-400.7	-5696.5	5710.6	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
64	14500.00	90.68	265.98	100	8831.2	5810.6	-407.7	-5796.2	5810.6	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
65	14600.00	90.68	265.98	100	8830.0	5910.6	-414.7	-5896.0	5910.6	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
66	14700.00	90.68	265.98	100	8828.8	6010.5	-421.7	-5995.7	6010.5	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
67	14800.00	90.68	265.98	100	8827.6	6110.5	-428.7	-6095.5	6110.5	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
68	14900.00	90.68	265.98	100	8826.4	6210.5	-435.7	-6195.2	6210.5	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
69	15000.00	90.68	265.98	100	8825.3	6310.5	-442.7	-6295.0	6310.5	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
70	15100.00	90.68	265.98	100	8824.1	6410.5	-449.8	-6394.7	6410.5	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
71	15200.00	90.68	265.98	100	8822.9	6510.5	-456.8	-6494.5	6510.5	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
72	15300.00	90.68	265.98	100	8821.7	6610.5	-463.8	-6594.2	6610.5	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
73	15400.00	90.68	265.98	100	8820.5	6710.5	-470.8	-6694.0	6710.5	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
74	15500.00	90.68	265.98	100	8819.4	6810.5	-477.8	-6793.7	6810.5	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
75	15600.00	90.68	265.98	100	8818.2	6910.5	-484.8	-6893.5	6910.5	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
76	15700.00	90.68	265.98	100	8817.0	7010.5	-491.9	-6993.2	7010.5	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10

77	15800.00	90.68	265.98	100	8815.8	7110.5	-498.9	-7092.9	7110.5	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
78	15900.00	90.68	265.98	100	8814.7	7210.5	-505.9	-7192.7	7210.5	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
79	16000.00	90.68	265.98	100	8813.5	7310.5	-512.9	-7292.4	7310.5	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
80	16100.00	90.68	265.98	100	8812.3	7410.4	-519.9	-7392.2	7410.4	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
81	16200.00	90.68	265.98	100	8811.1	7510.4	-526.9	-7491.9	7510.4	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
82	16300.00	90.68	265.98	100	8809.9	7610.4	-534.0	-7591.7	7610.4	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
83	16400.00	90.68	265.98	100	8808.8	7710.4	-541.0	-7691.4	7710.4	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
84	16500.00	90.68	265.98	100	8807.6	7810.4	-548.0	-7791.2	7810.4	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
85	16600.00	90.68	265.98	100	8806.4	7910.4	-555.0	-7890.9	7910.4	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
86	16700.00	90.68	265.98	100	8805.2	8010.4	-562.0	-7990.7	8010.4	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
87	16800.00	90.68	265.98	100	8804.0	8110.4	-569.0	-8090.4	8110.4	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
88	16900.00	90.68	265.98	100	8802.9	8210.4	-576.0	-8190.2	8210.4	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
89	17000.00	90.68	265.98	100	8801.7	8310.4	-583.1	-8289.9	8310.4	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
90	17100.00	90.68	265.98	100	8800.5	8410.4	-590.1	-8389.7	8410.4	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
91	17200.00	90.68	265.98	100	8799.3	8510.4	-597.1	-8489.4	8510.4	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
92	17300.00	90.68	265.98	100	8798.2	8610.4	-604.1	-8589.1	8610.4	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
93	17400.00	90.68	265.98	100	8797.0	8710.4	-611.1	-8688.9	8710.4	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
94	17500.00	90.68	265.98	100	8795.8	8810.4	-618.1	-8788.6	8810.4	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
95	17600.00	90.68	265.98	100	8794.6	8910.3	-625.2	-8888.4	8910.3	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
96	17700.00	90.68	265.98	100	8793.4	9010.3	-632.2	-8988.1	9010.3	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
97	17800.00	90.68	265.98	100	8792.3	9110.3	-639.2	-9087.9	9110.3	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
98	17900.00	90.68	265.98	100	8791.1	9210.3	-646.2	-9187.6	9210.3	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
99	18000.00	90.68	265.98	100	8789.9	9310.3	-653.2	-9287.4	9310.3	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
100	18100.00	90.68	265.98	100	8788.7	9410.3	-660.2	-9387.1	9410.3	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
101	18200.00	90.68	265.98	100	8787.5	9510.3	-667.2	-9486.9	9510.3	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
102	18300.00	90.68	265.98	100	8786.4	9610.3	-674.3	-9586.6	9610.3	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
103	18400.00	90.68	265.98	100	8785.2	9710.3	-681.3	-9686.4	9710.3	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
104	18500.00	90.68	265.98	100	8784.0	9810.3	-688.3	-9786.1	9810.3	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
105	18600.00	90.68	265.98	100	8782.8	9910.3	-695.3	-9885.9	9910.3	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
106	18700.00	90.68	265.98	100	8781.6	10010.3	-702.3	-9985.6	10010.3	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
107	18800.00	90.68	265.98	100	8780.5	10110.3	-709.3	#####	10110.3	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
108	18900.00	90.68	265.98	100	8779.3	10210.3	-716.4	#####	10210.3	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
109	19000.00	90.68	265.98	100	8778.1	10310.2	-723.4	#####	10310.2	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
110	19100.00	90.68	265.98	100	8776.9	10410.2	-730.4	#####	10410.2	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
111	19200.00	90.68	265.98	100	8775.8	10510.2	-737.4	#####	10510.2	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10
112	19300.00	90.68	265.98	100	8774.6	10610.2	-744.4	#####	10610.2	266.0	0.0	0.0	8899.7	-5.7	1.582585	4.64	IE-10

Mewbourne Oil Company																	
Sandlot 9/8 WOPM Fee #2H																	
SURVEY CALCULATION REPORT																	
Minimum Curvature Calculations																	
Operator: Mewbourne Oil Company												Target KBTVD:					
Lease Name: Sandlot 9-8 WOPM Fee 2H												Target Angle:		8,894 Feet		8894.00	
KOP 8416.54												Section Plane:		270.50 Degrees		90.68	
												Declination Corrected to True North:		6.63 Degrees			
												Bit to Survey Offset:		44 Feet			

31	11200.00	90.68	270.50	100	8870.0	2510.8	21.8	-2510.7	2510.8	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
32	11300.00	90.68	270.50	100	8868.8	2610.8	22.7	-2610.7	2610.8	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
33	11400.00	90.68	270.50	100	8867.6	2710.8	23.6	-2710.7	2710.8	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
34	11500.00	90.68	270.50	100	8866.5	2810.8	24.4	-2810.7	2810.8	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
35	11600.00	90.68	270.50	100	8865.3	2910.8	25.3	-2910.6	2910.8	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
36	11700.00	90.68	270.50	100	8864.1	3010.8	26.2	-3010.6	3010.8	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
37	11800.00	90.68	270.50	100	8862.9	3110.7	27.0	-3110.6	3110.7	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
38	11900.00	90.68	270.50	100	8861.7	3210.7	27.9	-3210.6	3210.7	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
39	12000.00	90.68	270.50	100	8860.5	3310.7	28.8	-3310.6	3310.7	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
40	12100.00	90.68	270.50	100	8859.4	3410.7	29.6	-3410.6	3410.7	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
41	12200.00	90.68	270.50	100	8858.2	3510.7	30.5	-3510.6	3510.7	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
42	12300.00	90.68	270.50	100	8857.0	3610.7	31.4	-3610.6	3610.7	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
43	12400.00	90.68	270.50	100	8855.8	3710.7	32.3	-3710.6	3710.7	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
44	12500.00	90.68	270.50	100	8854.6	3810.7	33.1	-3810.6	3810.7	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
45	12600.00	90.68	270.50	100	8853.5	3910.7	34.0	-3910.5	3910.7	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
46	12700.00	90.68	270.50	100	8852.3	4010.7	34.9	-4010.5	4010.7	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
47	12800.00	90.68	270.50	100	8851.1	4110.7	35.7	-4110.5	4110.7	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
48	12900.00	90.68	270.50	100	8849.9	4210.7	36.6	-4210.5	4210.7	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
49	13000.00	90.68	270.50	100	8848.7	4310.7	37.5	-4310.5	4310.7	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
50	13100.00	90.68	270.50	100	8847.5	4410.7	38.3	-4410.5	4410.7	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
51	13200.00	90.68	270.50	100	8846.4	4510.6	39.2	-4510.5	4510.6	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
52	13300.00	90.68	270.50	100	8845.2	4610.6	40.1	-4610.5	4610.6	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
53	13400.00	90.68	270.50	100	8844.0	4710.6	40.9	-4710.5	4710.6	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
54	13500.00	90.68	270.50	100	8842.8	4810.6	41.8	-4810.4	4810.6	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
55	13600.00	90.68	270.50	100	8841.6	4910.6	42.7	-4910.4	4910.6	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
56	13700.00	90.68	270.50	100	8840.5	5010.6	43.6	-5010.4	5010.6	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
57	13800.00	90.68	270.50	100	8839.3	5110.6	44.4	-5110.4	5110.6	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
58	13900.00	90.68	270.50	100	8838.1	5210.6	45.3	-5210.4	5210.6	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
59	14000.00	90.68	270.50	100	8836.9	5310.6	46.2	-5310.4	5310.6	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
60	14100.00	90.68	270.50	100	8835.7	5410.6	47.0	-5410.4	5410.6	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
61	14200.00	90.68	270.50	100	8834.5	5510.6	47.9	-5510.4	5510.6	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
62	14300.00	90.68	270.50	100	8833.4	5610.6	48.8	-5610.4	5610.6	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
63	14400.00	90.68	270.50	100	8832.2	5710.6	49.6	-5710.3	5710.6	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
64	14500.00	90.68	270.50	100	8831.0	5810.6	50.5	-5810.3	5810.6	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
65	14600.00	90.68	270.50	100	8829.8	5910.6	51.4	-5910.3	5910.6	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
66	14700.00	90.68	270.50	100	8828.6	6010.5	52.2	-6010.3	6010.5	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
67	14800.00	90.68	270.50	100	8827.5	6110.5	53.1	-6110.3	6110.5	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
68	14900.00	90.68	270.50	100	8826.3	6210.5	54.0	-6210.3	6210.5	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
69	15000.00	90.68	270.50	100	8825.1	6310.5	54.9	-6310.3	6310.5	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
70	15100.00	90.68	270.50	100	8823.9	6410.5	55.7	-6410.3	6410.5	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
71	15200.00	90.68	270.50	100	8822.7	6510.5	56.6	-6510.3	6510.5	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
72	15300.00	90.68	270.50	100	8821.5	6610.5	57.5	-6610.3	6610.5	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
73	15400.00	90.68	270.50	100	8820.4	6710.5	58.3	-6710.2	6710.5	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
74	15500.00	90.68	270.50	100	8819.2	6810.5	59.2	-6810.2	6810.5	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
75	15600.00	90.68	270.50	100	8818.0	6910.5	60.1	-6910.2	6910.5	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
76	15700.00	90.68	270.50	100	8816.8	7010.5	60.9	-7010.2	7010.5	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10

77	15800.00	90.68	270.50	100	8815.6	7110.5	61.8	-7110.2	7110.5	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
78	15900.00	90.68	270.50	100	8814.5	7210.5	62.7	-7210.2	7210.5	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
79	16000.00	90.68	270.50	100	8813.3	7310.5	63.5	-7310.2	7310.5	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
80	16100.00	90.68	270.50	100	8812.1	7410.4	64.4	-7410.2	7410.4	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
81	16200.00	90.68	270.50	100	8810.9	7510.4	65.3	-7510.2	7510.4	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
82	16300.00	90.68	270.50	100	8809.7	7610.4	66.2	-7610.1	7610.4	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
83	16400.00	90.68	270.50	100	8808.5	7710.4	67.0	-7710.1	7710.4	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
84	16500.00	90.68	270.50	100	8807.4	7810.4	67.9	-7810.1	7810.4	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
85	16600.00	90.68	270.50	100	8806.2	7910.4	68.8	-7910.1	7910.4	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
86	16700.00	90.68	270.50	100	8805.0	8010.4	69.6	-8010.1	8010.4	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
87	16800.00	90.68	270.50	100	8803.8	8110.4	70.5	-8110.1	8110.4	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
88	16900.00	90.68	270.50	100	8802.6	8210.4	71.4	-8210.1	8210.4	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
89	17000.00	90.68	270.50	100	8801.5	8310.4	72.2	-8310.1	8310.4	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
90	17100.00	90.68	270.50	100	8800.3	8410.4	73.1	-8410.1	8410.4	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
91	17200.00	90.68	270.50	100	8799.1	8510.4	74.0	-8510.0	8510.4	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
92	17300.00	90.68	270.50	100	8797.9	8610.4	74.8	-8610.0	8610.4	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
93	17400.00	90.68	270.50	100	8796.7	8710.4	75.7	-8710.0	8710.4	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
94	17500.00	90.68	270.50	100	8795.5	8810.3	76.6	-8810.0	8810.3	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
95	17600.00	90.68	270.50	100	8794.4	8910.3	77.5	-8910.0	8910.3	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
96	17700.00	90.68	270.50	100	8793.2	9010.3	78.3	-9010.0	9010.3	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
97	17800.00	90.68	270.50	100	8792.0	9110.3	79.2	-9110.0	9110.3	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
98	17900.00	90.68	270.50	100	8790.8	9210.3	80.1	-9210.0	9210.3	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
99	18000.00	90.68	270.50	100	8789.6	9310.3	80.9	-9310.0	9310.3	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
100	18100.00	90.68	270.50	100	8788.5	9410.3	81.8	-9410.0	9410.3	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
101	18200.00	90.68	270.50	100	8787.3	9510.3	82.7	-9509.9	9510.3	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
102	18300.00	90.68	270.50	100	8786.1	9610.3	83.5	-9609.9	9610.3	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
103	18400.00	90.68	270.50	100	8784.9	9710.3	84.4	-9709.9	9710.3	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
104	18500.00	90.68	270.50	100	8783.7	9810.3	85.3	-9809.9	9810.3	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
105	18600.00	90.68	270.50	100	8782.5	9910.3	86.1	-9909.9	9910.3	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
106	18700.00	90.68	270.50	100	8781.4	10010.3	87.0	#####	10010.3	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
107	18800.00	90.68	270.50	100	8780.2	10110.3	87.9	#####	10110.3	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
108	18900.00	90.68	270.50	100	8779.0	10210.3	88.8	#####	10210.3	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
109	19000.00	90.68	270.50	100	8777.8	10310.2	89.6	#####	10310.2	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
110	19100.00	90.68	270.50	100	8776.6	10410.2	90.5	#####	10410.2	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
111	19200.00	90.68	270.50	100	8775.5	10510.2	91.4	#####	10510.2	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10
112	19300.00	90.68	270.50	100	8774.3	10610.2	92.2	#####	10610.2	270.5	0.0	0.0	8899.7	-5.7	1.582615	4.72	IE-10