

**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. 20594

VERIFIED STATEMENT OF TYLER JOLLY

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

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

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

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

(b) No opposition is expected because the interest owner being pooled has been contacted regarding the proposed wells, but has simply failed or refused to voluntarily commit his interest to the wells.

(c) A plat outlining the unit being pooled is attached hereto as Attachment A. Mewbourne seeks an order pooling of all mineral interests in a horizontal spacing unit in the Wolfcamp formation (Purple Sage-Wolfcamp Gas Pool; Pool Code 98220) comprised of the NW/4 of Section 21 and the W/2 of Section 16, Township 24 South, Range 28 East, NMPM. The wells Mewbourne seeks to drill in the unit are:

(a) the Creedence 21/16 W1ED State Com. Well No. 1H;

(b) Creedence 21/16 W0ED State Com. Well No. 2H;

(c) the Creedence 21/16 W1FC Fed. Com. Well No. 3H; and

(d) the Creedence 21/16 W0FC State Com. Well No. 4H.

EXHIBIT 1

Forms C-102 for the wells are contained in Attachments B-1 through B-4.

- (d) There is no depth severance in the Wolfcamp formation.
- (e) The party being pooled and his interest are set forth in Attachment C.
- (f) Attachment D is the well proposal letter sent to the pooled interest owner. His current and correct address is on the letter.
- (g) Mewbourne has made a good faith effort to obtain the voluntary joinder of the working interest owners in the proposed well.
- (h) Mewbourne has the right to pool the overriding royalty owners in the well unit.
- (i) Attachments E-1 through E-4 are the Authorizations for Expenditure for the proposed wells. 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 area of Eddy County. They are also the rates set forth in the Joint Operating Agreement for the well unit. Mewbourne requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.
- (k) Mewbourne requests that the maximum cost plus 200% risk charge be assessed against non-consenting working interest owners.
- (l) Mewbourne requests that it be designated operator of the well.
- (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)

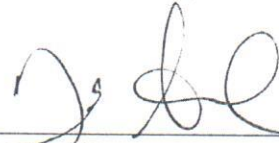
Tyler Jolly, being duly sworn upon his oath, deposes and states that: He is a landman for Mewbourne Oil Company; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of his knowledge,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



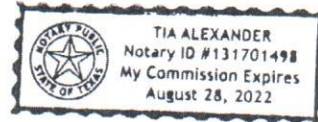
Tyler Jolly

SUBSCRIBED AND SWORN TO before me this 9 day of July, 2019 by Tyler Jolly.

My Commission Expires: 8-28-22



Notary Public



RECEIVED

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) 749-1283 Fax: (575) 749-9720
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

MAR 15 2019

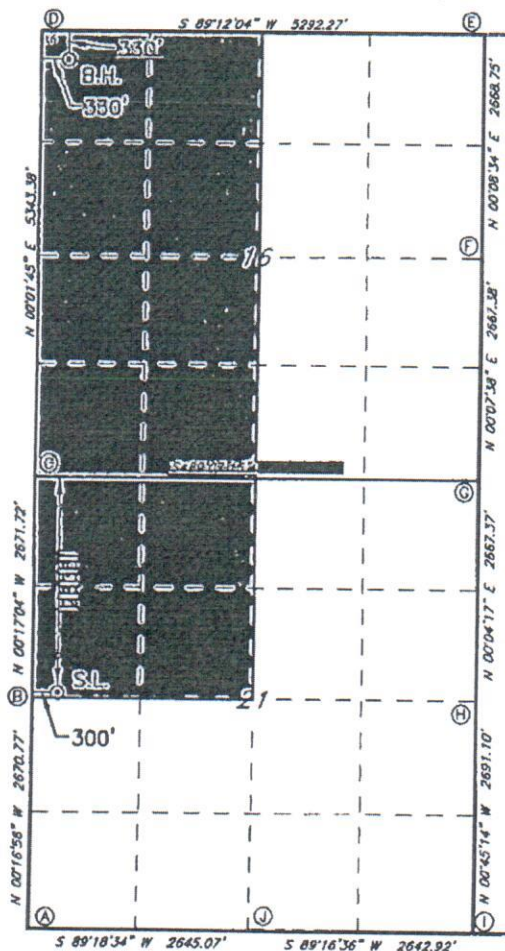
Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-44877 44887		2 Pool Code 98220		3 Pool Name PURPLE SAGE WOLFCAMP GAS	
4 Property Code		5 Property Name CREEDENCE 21/16 WIED STATE COM			6 Well Number 1H
7 OGRID NO. 14744		8 Operator Name MEWBOURNE OIL COMPANY			9 Elevation 3037'
10 Surface Location					
UL or lot no. E	Section 21	Township 24S	Range 28E	Lot Idn	Feet from the 2635
				North/South line NORTH	Feet From the 300
				East/West line WEST	County EDDY
11 Bottom Hole Location If Different From Surface					
UL or lot no. D	Section 16	Township 24S	Range 28E	Lot Idn	Feet from the 330
				North/South line NORTH	Feet from the 330
				East/West line WEST	County EDDY
12 Dedicated Acres 480		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.



GEODETIC DATA
NAD 83 GRID - NM EAST

SURFACE LOCATION
N: 437784.0 - E: 613435.2

LAT: 32.2033305° N
LONG: 104.1002356° W

BOTTOM HOLE
N: 445430.7 - E: 613454.6

LAT: 32.2243502° N
LONG: 104.1001191° W

CORNER DATA
NAD 83 GRID - NM EAST

A: FOUND BRASS CAP "1942"
N 435072.6 - E 613148.6

B: FOUND BRASS CAP "1942"
N 437742.8 - E 613135.4

C: CALCULATED CORNER
N 440413.8 - E 613122.2

D: FOUND 100D NAIL
N: 445756.0 - E: 613124.9

E: CALCULATED CORNER
N: 445829.8 - E: 618415.5

F: FOUND BRASS CAP "1942"
N: 443161.6 - E: 618408.8

G: CALCULATED CORNER
N: 440494.9 - E: 618402.9

H: FOUND BRASS CAP "1942"
N: 437828.1 - E: 618399.6

I: FOUND BRASS CAP "1942"
N 435137.9 - E 618435.0

J: FOUND BRASS CAP "1942"
N 435104.5 - E 615792.9

17 OPERATOR CERTIFICATION

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

Bradley Bishop

3-12-19

Signature

Date

BRADLEY BISHOP

Printed Name

BBISHOP@MEWBOURNE.COM

E-mail Address

18 SURVEYOR CERTIFICATION

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

3-6-2019

Date of Survey

Signature and Seal of Professional Surveyor

19680

Certificate Number



RRC - Job No

ATTACHMENT

B-1

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) 749-1283 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

RECEIVED

MAR 15 2019

Form C-102

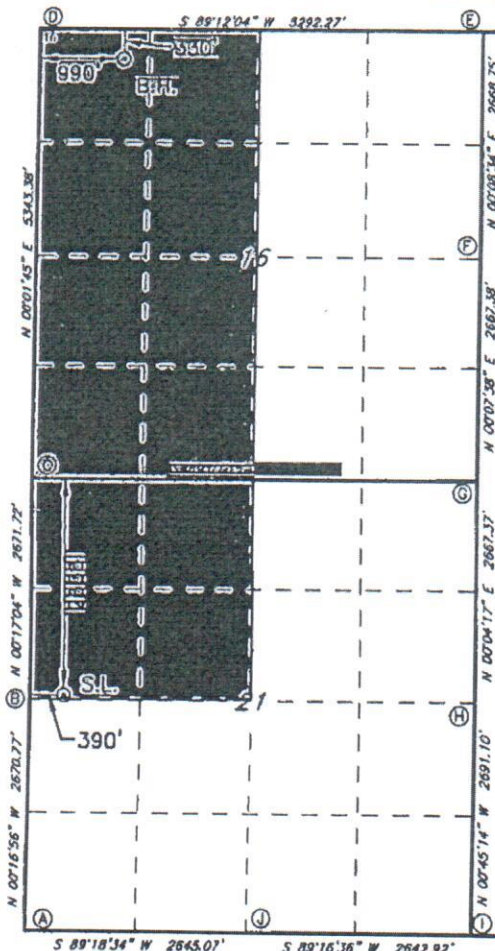
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-44871		2 Pool Code 99820		3 Pool Name PURPLE SAGE WOLFCAMP GAS					
4 Property Code 321183		5 Property Name CREEDENCE 21/16 WOED STATE COM						6 Well Number 2H	
7 GRID NO. 14744		8 Operator Name MEWBOURNE OIL COMPANY						9 Elevation 3037'	
10 Surface Location									
UL or lot no. E	Section 21	Township 24S	Range 28E	Lot Idn	Feet from the 2635	North/South line NORTH	Feet from the 390	East/West line WEST	County EDDY
11 Bottom Hole Location If Different From Surface									
UL or lot no. D	Section 16	Township 24S	Range 28E	Lot Idn	Feet from the 330	North/South line NORTH	Feet from the 990	East/West line WEST	County EDDY
12 Dedicated Acres 480		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.



GEODETIC DATA
NAD 83 GRID - NM EAST

SURFACE LOCATION
N: 437785.4 - E: 613325.1

LAT: 32.2033338° N
LONG: 104.0999449° W

BOTTOM HOLE
N: 445439.9 - E: 614114.4

LAT: 32.2243715° N
LONG: 104.0979854° W

CORNER DATA
NAD 83 GRID - NM EAST

A: FOUND BRASS CAP "1942"
N: 435072.6 - E: 613148.6

B: FOUND BRASS CAP "1942"
N: 437742.8 - E: 613135.4

C: CALCULATED CORNER
N: 440413.8 - E: 613122.2

D: FOUND 1000 NAIL
N: 445756.0 - E: 613124.9

E: CALCULATED CORNER
N: 445829.8 - E: 618415.5

F: FOUND BRASS CAP "1942"
N: 443161.6 - E: 618408.6

G: CALCULATED CORNER
N: 440494.9 - E: 618402.9

H: FOUND BRASS CAP "1942"
N: 437828.1 - E: 618399.6

I: FOUND BRASS CAP "1942"
N: 435137.9 - E: 618435.0

J: FOUND BRASS CAP "1942"
N: 435104.5 - E: 615792.9

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided 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 in a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *Bradley Bishop* Date: **3-12-19**

Printed Name: **BRADLEY BISHOP**

E-mail Address: **BBISHOP@MEWBOURNE.COM**

18 SURVEYOR CERTIFICATION

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

3-6-2019

Date of Survey

Signature and Seal of Professional Surveyor

ROBERT M. HOWETT
NEW MEXICO
19680
PROFESSIONAL SURVEYOR
19680
Certificate Number

RRC -

ATTACHMENT

B-2

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
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1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

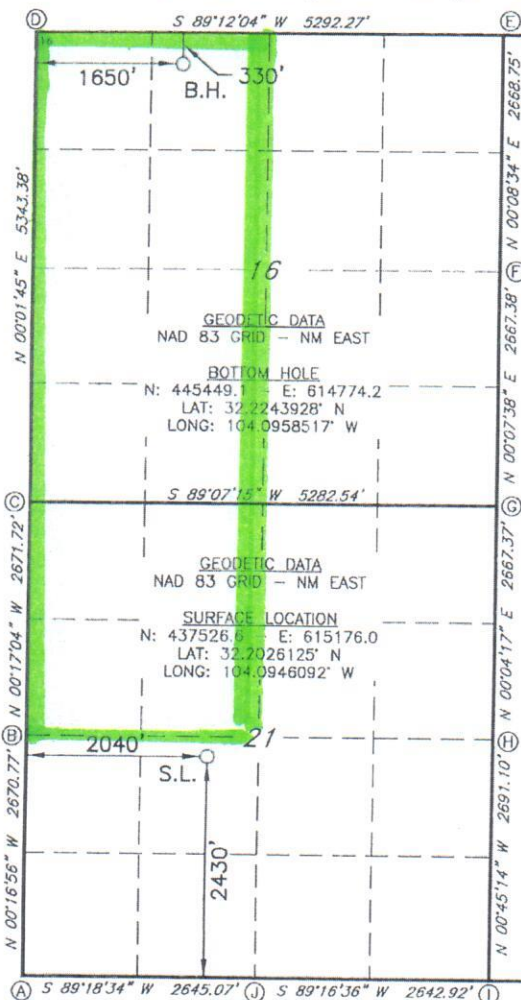
¹ API Number 30-015-46152	² Pool Code 98220	³ Pool Name Purple Sage Wolfcamp Gas
⁴ Property Code	⁵ Property Name CREEDENCE 21/16 W1FC STATE COM	
⁷ OGRID NO. 14744	⁸ Operator Name MEWBOURNE OIL COMPANY	
	⁶ Well Number 3H	⁹ Elevation 3033'

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
K	21	24S	28E		2430	SOUTH	2040	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
C	16	24S	28E		330	NORTH	1650	WEST	EDDY

¹² Dedicated Acres 480	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



CORNER DATA
NAD 83 GRID - NM EAST

A: FOUND BRASS CAP "1942"
N: 435072.6 - E: 613148.6

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N: 435104.5 - E: 615792.9

¹⁷ OPERATOR CERTIFICATION

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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.

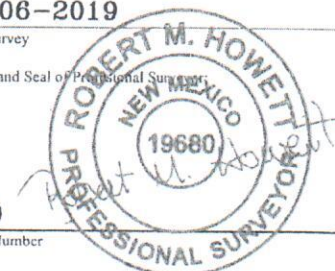
03-06-2019

Date of Survey

Signature and Seal of Professional Surveyor

19680

Certificate Number



RRC - Job No

ATTACHMENT B-3

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
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State of New Mexico
Energy, Minerals & Natural Resources Department
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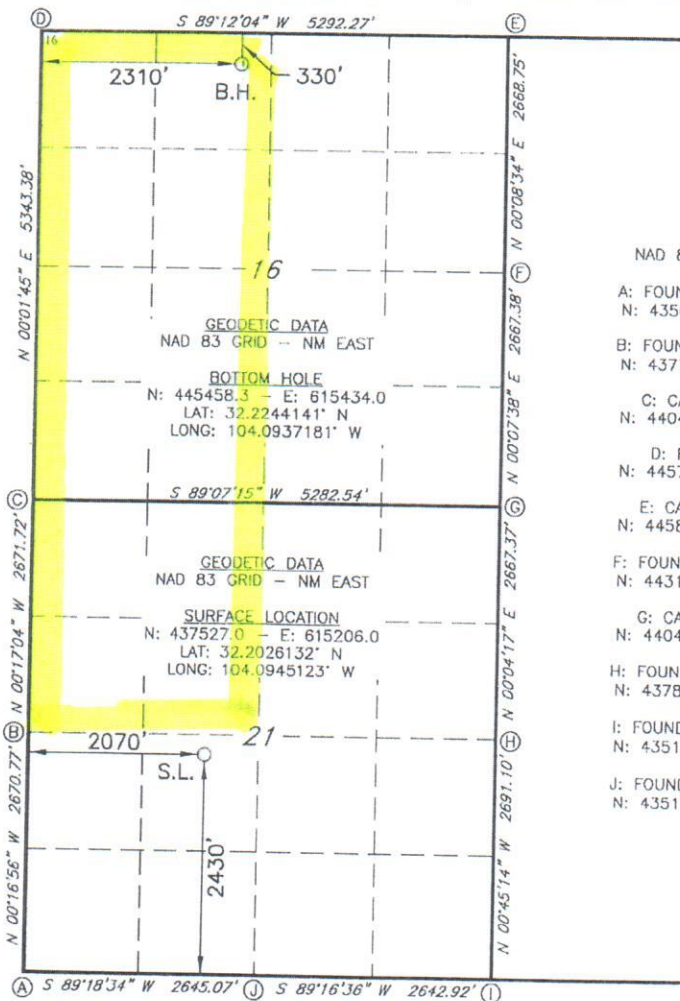
Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-46153		2 Pool Code 98220		3 Pool Name Purple Sage Wolfcamp Gas	
4 Property Code		5 Property Name CREEDENCE 21/16 WOFC STATE COM			6 Well Number 4H
7 OGRID NO. 14744		8 Operator Name MEWBOURNE OIL COMPANY			9 Elevation 3033'
10 Surface Location					
UL or lot no. K	Section 21	Township 24S	Range 28E	Lot Idn	Feet from the 2430
		North/South line SOUTH		Feet From the 2070	East/West line WEST
				County EDDY	
11 Bottom Hole Location If Different From Surface					
UL or lot no. C	Section 16	Township 24S	Range 28E	Lot Idn	Feet from the 330
		North/South line NORTH		Feet from the 2310	East/West line WEST
				County EDDY	
12 Dedicated Acres 480	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

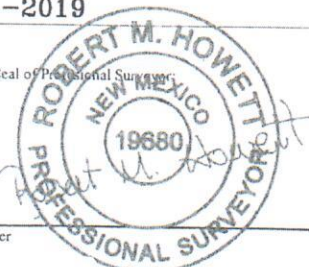
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

03-06-2019

Date of Survey

Signature and Seal of Professional Surveyor

19680
Certificate Number



ATTACHMENT

B-4

S19030320

TRACT OWNERSHIP

Creedence 21-16 W1ED State Com #1H

Creedence 21-16 W0ED State Com #2H

Creedence 21-16 W1FC State Com #3H

Creedence 21-16 W0FC State Com #4H

NW/4 of Section 21 and W/2 of Section 16, T24S, R28E, Eddy County, NM

Mewbourne Oil Company, et al.	99.363638%
Tom M. Ragsdale	0.636362%*
Total	100.000000%

Mewbourne Oil Company, et al. indicates parties signed up to proposed Operating Agreement dated April 15, 2018, naming Mewbourne Oil Company as Operator.

*Indicates the entity being pooled.

ATTACHMENT C

MEWBOURNE OIL COMPANY

500 West Texas, Suite 1020

Midland, Texas 79701

Phone (432) 682-3715

Fax (432) 685-4170

March 11, 2019

Certified Mail

Tom M. Ragsdale
400 N. Sam Houston Pkwy East, Suite 601
Houston, TX 77060

Re: Creedence 21-16 W1ED State Com #1H
Creedence 21-16 W0ED State Com #2H
Creedence 21-16 W1FC State Com #3H
Creedence 21-16 W0FC State Com #4H
Order No. R-20296
NW4 of Section 21 & W2 of Section 16
T24S, R28E, Eddy County, New Mexico

Ladies and Gentlemen:

Pursuant to Order No. R-20296, Mewbourne Oil Company, as Operator, hereby proposes drilling the following four (4) horizontal Wolfcamp tests:

- 1) Creedence 21-16 W1ED State Com #1H – APD in process
Surface Location: 2635' FNL, 300' FWL, Section 21, UL E
Bottom Hole Location: 330' FNL, 330' FWL, Section 16, UL D
Proposed Total Vertical Depth: 9679'
Proposed Total Measured Depth: 16856'
Formation: Wolfcamp
- 2) Creedence 21-16 W0ED State Com #2H – APD in process
Surface Location: 2635' FNL, 390' FWL, Section 21, UL E
Bottom Hole Location: 330' FNL, 990' FWL, Section 16, UL D
Proposed Total Vertical Depth: 9488'
Proposed Total Measured Depth: 16883'
Formation: Wolfcamp
- 3) Creedence 21-16 W1FC State Com #3H – APD in process
Surface Location: 2430' FSL, 2040' FWL, Section 21, UL F
Bottom Hole Location: 330' FNL, 1650' FWL, Section 16, UL C
Proposed Total Vertical Depth: 9679'
Proposed Total Measured Depth: 16856'
Formation: Wolfcamp
- 4) Creedence 21-16 W0FC State Com #4H – APD in process
Surface Location: 2430' FSL, 2070' FWL, Section 21, UL F
Bottom Hole Location: 330' FNL, 2310' FWL, Section 16, UL C
Proposed Total Vertical Depth: 9488'
Proposed Total Measured Depth: 16883'
Formation: Wolfcamp

ATTACHMENT *D*

March 11, 2019
Page 2 of 2

Attached for your information and further handling is a copy of the referenced pooling order dated December 31, 2018 along with AFE's for each well.

In the event you elect to participate in the proposed wells, please execute the enclosed AFEs and return them to the undersigned within thirty (30) days. Should you participate in the proposed wells, please send me your check covering your proportionate share of the AFE cost for each well. Please enclose your most current well information requirements so that we may supply well data when available.

Please contact me at (432) 682-3715 or via email at tjolly@mewbourne.com if you have any questions or need additional information.

Very truly yours,

MEWBOURNE OIL COMPANY



Tyler Jolly
Landman

Enclosures



March 18, 2019

Dear Simple Certified:

The following is in response to your request for proof of delivery on your item with the tracking number:
9414 8106 9994 5039 1432 34.

Item Details

Status:	Delivered, Front Desk/Reception/Mail Room
Status Date / Time:	March 18, 2019, 12:40 pm
Location:	HOUSTON, TX 77060
Postal Product:	First-Class Mail®
Extra Services:	Certified Mail™ Return Receipt Electronic
Recipient Name:	Siana Oil and Gas Company LLC

Shipment Details

Weight:	2.0oz
----------------	-------

Recipient Signature

Signature of Recipient:

Address of Recipient:

400 N. Sam Houston Parkway East
#601
Houston, TX 77060

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

Siana Oil and Gas Company, LLC
Tom Ragsdale &
400 N. Sam Houston Parkway East, Suite 601
Houston, TX 77060
Reference #: CREEDENCE PROP TJ
Item ID: CREEDENCE PROP TJ

MEWB RNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

Well Name: <u>Creedence 21/16 W1ED State Com #1H</u>		Prospect: <u>Wolfcamp</u>	
Location: <u>SL: 2635' FNL & 300' FWL (21); BHL: 330' FNL & 330' FWL (16)</u>		County: <u>Eddy</u>	ST: <u>NM</u>
Sec. <u>21,16</u>	Blk: <u> </u>	Survey: <u> </u>	TWP: <u>24S</u> RNG: <u>28E</u> Prop. TVD: <u>9679</u> TMD: <u>16856</u>

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$20,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$85,000	0180-0205	\$25,000
Location / Restoration		0180-0106	\$200,000	0180-0206	\$30,000
Daywork / Turnkey / Footage Drilling	22 days drilg / 4 days comp @ \$18,500/d	0180-0110	\$435,000	0180-0210	\$79,000
Fuel	1700 gal/day @ 2.74/gal	0180-0114	\$131,900	0180-0214	\$375,000
Mud, Chemical & Additives		0180-0120	\$225,000	0180-0220	
Horizontal Drillout Services				0180-0222	\$200,000
Cementing		0180-0125	\$150,000	0180-0225	\$30,000
Logging & Wireline Services		0180-0130	\$2,000	0180-0230	\$325,000
Casing / Tubing / Snubbing Service		0180-0134	\$20,000	0180-0234	\$80,000
Mud Logging		0180-0137	\$20,000		
Stimulation	43 Stg 17.2 MM gal / 17.2 MM lb			0180-0241	\$2,080,000
Stimulation Rentals & Other				0180-0242	\$300,000
Water & Other		0180-0145	\$50,000	0180-0245	\$480,000
Bits		0180-0148	\$100,000	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	\$37,500	0180-0270	\$60,000
Directional Services	Includes Vertical Control	0180-0175	\$189,000		
Equipment Rental		0180-0180	\$201,400	0180-0280	\$30,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$5,200	0180-0285	
Intangible Supplies		0180-0188	\$8,000	0180-0288	\$10,000
Damages		0180-0190		0180-0290	
ROW & Easements		0180-0192		0180-0292	\$1,000
Pipeline Interconnect				0180-0293	
Company Supervision		0180-0195	\$120,000	0180-0295	\$105,600
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment		0180-0198		0180-0298	
Contingencies	2% (TCP) 2% (CC)	0180-0199	\$44,900	0180-0299	\$86,600
TOTAL			\$2,289,900		\$4,415,700

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0")	425' - 13 3/8" 54.5# J-55 ST&C @ \$42.99/ft	0181-0794	\$19,600		
Casing (8.1" - 10.0")	2475' - 9 5/8" 40# L-80 LT&C @ \$34.73/ft	0181-0795	\$91,900		
Casing (6.1" - 8.0")	10000' - 7" 29# P-110 LT&C @ \$26.99/ft	0181-0796	\$288,300		
Casing (4.1" - 6.0")	7760' - 4 1/2" 13.5# P-110 BPN @ \$14.94/ft			0181-0797	\$123,900
Tubing	9050' - 2 7/8" 6.5# L-80 EUE 8rd @ \$5.74/ft			0181-0798	\$55,500
Drilling Head		0181-0860	\$40,000		
Tubing Head & Upper Section				0181-0870	\$30,000
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	(1/4) VRU/circ pump/Booster Comp			0181-0886	\$30,000
Tanks - Oil	(1/4) 8 - 750 bbl			0181-0890	\$38,000
Tanks - Water	(1/4) 7 - 750 bbl coated			0181-0891	\$40,300
Separation / Treating Equipment	30"x10"x1k# 3 ph/36"x15"x1k# Hor 3ph/Gun bbl			0181-0895	\$78,500
Heater Treaters, Line Heaters	8'x20'x75# HT			0181-0897	\$27,000
Metering Equipment				0181-0898	\$14,000
Line Pipe & Valves - Gathering	(1/4) 0.8 Mile 4.5" Gas			0181-0900	\$9,000
Fittings / Valves & Accessories				0181-0906	\$100,000
Cathodic Protection				0181-0908	\$8,000
Electrical Installation	(1/4) Automation, Power Line, Location Underground			0181-0909	\$62,500
Equipment Installation				0181-0910	\$50,000
Pipeline Construction	(1/4) 0.8 Mile 4.5" Gas			0181-0920	\$21,300
TOTAL			\$439,800		\$783,000
SUBTOTAL			\$2,729,700		\$5,198,700
TOTAL WELL COST			\$7,928,400		

Extra Expense Insurance

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

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

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

Prepared by: <u>P. Hrebicek</u>	Date: <u>3/6/2019</u>
Company Approval: <u><i>m. whitton</i></u>	Date: <u>3/7/2019</u>
Joint Owner Interest: _____ Amount: _____	Signature: _____
Joint Owner Name: _____	

ATTACHMENT E-1

MEWP IRNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

Well Name: Creedence 21/16 W0ED State Com #2H Prospect: Wolfcamp
 Location: SL: 2635' FNL & 390' FWL (21); BHL: 330' FNL & 990' FWL (16) County: Eddy ST: NM
 Sec. 21,16 Blk: Survey: TWP: 24S RNG: 28E Prop. TVD: 9488 TMD: 16883

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$20,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$85,000	0180-0205	\$25,000
Location / Restoration		0180-0106	\$200,000	0180-0206	\$30,000
Daywork / Turnkey / Footage Drilling	22 days drlg / 4 days comp @ \$18,500/d	0180-0110	\$435,000	0180-0210	\$79,000
Fuel	1700 gal/day @ 2.74/gal	0180-0114	\$131,900	0180-0214	\$370,000
Mud, Chemical & Additives		0180-0120	\$225,000	0180-0220	
Horizontal Drillout Services				0180-0222	\$200,000
Cementing		0180-0125	\$150,000	0180-0225	\$30,000
Logging & Wireline Services		0180-0130	\$2,000	0180-0230	\$335,000
Casing / Tubing / Snubbing Service		0180-0134	\$20,000	0180-0234	\$80,000
Mud Logging		0180-0137	\$20,000		
Stimulation	44 Stg 17.8 MM gal / 17.8 MM lb			0180-0241	\$2,160,000
Stimulation Rentals & Other				0180-0242	\$300,000
Water & Other		0180-0145	\$50,000	0180-0245	\$495,000
Bits		0180-0148	\$100,000	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	\$37,500	0180-0270	\$60,000
Directional Services	Includes Vertical Control	0180-0175	\$189,000		
Equipment Rental		0180-0180	\$201,400	0180-0280	\$30,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$5,200	0180-0285	
Intangible Supplies		0180-0188	\$8,000	0180-0288	\$10,000
Damages		0180-0190		0180-0290	
ROW & Easements		0180-0192		0180-0292	\$1,000
Pipeline Interconnect				0180-0293	
Company Supervision		0180-0195	\$120,000	0180-0295	\$105,600
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment		0180-0198		0180-0298	
Contingencies	2% (TCP) 2% (CC)	0180-0199	\$44,900	0180-0299	\$88,600
TOTAL			\$2,289,900		\$4,517,700
TANGIBLE COSTS 0181					
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0")	425' - 13 3/8" 54.5# J-55 ST&C @ \$42.99/ft	0181-0794	\$19,600		
Casing (8.1" - 10.0")	2475' - 9 5/8" 40# L-80 LT&C @ \$34.73/ft	0181-0795	\$91,900		
Casing (6.1" - 8.0")	9650' - 7" 29# P-110 LT&C @ \$26.99/ft	0181-0796	\$278,200		
Casing (4.1" - 6.0")	7900' - 4 1/2" 13.5# P-110 BPN @ \$14.94/ft			0181-0797	\$126,100
Tubing	9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$5.74/ft			0181-0798	\$55,200
Drilling Head		0181-0860	\$40,000		
Tubing Head & Upper Section				0181-0870	\$30,000
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	(1/4) VRU/circ pump/Booster Comp			0181-0886	\$30,000
Tanks - Oil	(1/4) 8 - 750 bbl			0181-0890	\$38,000
Tanks - Water	(1/4) 7 - 750 bbl coated			0181-0891	\$40,300
Separation / Treating Equipment	30"x10"x1k# 3 ph/36"x15"x1k# Hor 3ph/Gun bbl			0181-0895	\$78,500
Heater Treaters, Line Heaters	8"x20"x75# HT			0181-0897	\$27,000
Metering Equipment				0181-0898	\$14,000
Line Pipe & Valves - Gathering	(1/4) 0.8 Mile 4.5" Gas			0181-0900	\$9,000
Fittings / Valves & Accessories				0181-0906	\$100,000
Cathodic Protection				0181-0908	\$8,000
Electrical Installation	Automation, Power Line, Location Underground			0181-0909	\$62,500
Equipment Installation				0181-0910	\$50,000
Pipeline Construction	(1/4) 0.8 Mile 4.5" Gas			0181-0920	\$21,300
TOTAL			\$429,700		\$784,900
SUBTOTAL			\$2,719,600		\$5,302,600
TOTAL WELL COST			\$8,022,200		
Extra Expense Insurance					
☐ I elect to be covered by Operator's Extra Expense Insurance and pay my proportionate share of the premium. Operator has secured Extra Expense Insurance covering costs of well control, clean up and redrilling as estimated in Line Item 0180-0185.					
☐ I elect to purchase my own well control insurance policy.					
If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well control insurance.					
Prepared by: <u>P. Hrebicek</u>		Date: <u>3/6/2019</u>			
Company Approval: <u>m. white</u>		Date: <u>3/7/2019</u>			
Joint Owner Interest: _____ Amount: _____		Signature: _____			
Joint Owner Name: _____					

ATTACHMENT E-2

MEWTON OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

Well Name: Creedence 21/16 W1FC State Com #3H		Prospect: Wolfcamp	
Location: SL: 2430' FSL & 2040' FWL (21); BHL: 330' FNL & 1650' FWL (16)		County: Eddy	ST: NM
Sec. 21,16	Blk: 	Survey: 	TWP: 24S RNG: 28E Prop. TVD: 9679 TMD: 16856

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$20,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$85,000	0180-0205	\$25,000
Location / Restoration		0180-0106	\$200,000	0180-0206	\$30,000
Daywork / Turnkey / Footage Drilling 22 days drlg / 4 days comp @ \$18,500/d		0180-0110	\$435,000	0180-0210	\$79,000
Fuel 1700 gal/day @ 2.74/gal		0180-0114	\$131,900	0180-0214	\$375,000
Mud, Chemical & Additives		0180-0120	\$225,000	0180-0220	
Horizontal Drillout Services				0180-0222	\$200,000
Cementing		0180-0125	\$150,000	0180-0225	\$30,000
Logging & Wireline Services		0180-0130	\$2,000	0180-0230	\$325,000
Casing / Tubing / Snubbing Service		0180-0134	\$20,000	0180-0234	\$80,000
Mud Logging		0180-0137	\$20,000		
Stimulation 43 Stg 17.2 MM gal / 17.2 MM lb				0180-0241	\$2,080,000
Stimulation Rentals & Other				0180-0242	\$300,000
Water & Other		0180-0145	\$50,000	0180-0245	\$480,000
Bits		0180-0148	\$100,000	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	\$37,500	0180-0270	\$60,000
Directional Services Includes Vertical Control		0180-0175	\$189,000		
Equipment Rental		0180-0180	\$201,400	0180-0280	\$30,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$5,200	0180-0285	
Intangible Supplies		0180-0188	\$8,000	0180-0288	\$10,000
Damages		0180-0190		0180-0290	
ROW & Easements		0180-0192		0180-0292	\$1,000
Pipeline Interconnect				0180-0293	
Company Supervision		0180-0195	\$120,000	0180-0295	\$105,600
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment		0180-0198		0180-0298	
Contingencies 2% (TCP) 2% (CC)		0180-0199	\$44,900	0180-0299	\$86,600
TOTAL			\$2,289,900		\$4,415,700

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0") 425' - 13 3/8" 54.5# J-55 ST&C @ \$42.99/ft		0181-0794	\$19,600		
Casing (8.1" - 10.0") 2475' - 9 5/8" 40# L-80 LT&C @ \$34.73/ft		0181-0795	\$91,900		
Casing (6.1" - 8.0") 10000' - 7" 29# P-110 LT&C @ \$26.99/ft		0181-0796	\$288,300		
Casing (4.1" - 6.0") 7760' - 4 1/2" 13.5# P-110 BPN @ \$14.94/ft				0181-0797	\$123,900
Tubing 9050' - 2 7/8" 6.5# L-80 EUE 8rd @ \$5.74/ft				0181-0798	\$55,500
Drilling Head		0181-0860	\$40,000		
Tubing Head & Upper Section				0181-0870	\$30,000
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 (1/4) VRU/circ pump/Booster Comp				0181-0886	\$30,000
Tanks - Oil (1/4) 8 - 750 bbl				0181-0890	\$38,000
Tanks - Water (1/4) 7 - 750 bbl coated				0181-0891	\$40,300
Separation / Treating Equipment 30"x10"x1k# 3 ph/36"x15"x1k# Hor 3ph/Gun bbl				0181-0895	\$78,500
Heater Treaters, Line Heaters 8"x20"x75# HT				0181-0897	\$27,000
Metering Equipment				0181-0898	\$14,000
Line Pipe & Valves - Gathering (1/4) 0.8 Mile 4.5" Gas				0181-0900	\$9,000
Fittings / Valves & Accessories				0181-0906	\$100,000
Cathodic Protection				0181-0908	\$8,000
Electrical Installation (1/4) Automation, Power Line, Location Underground				0181-0909	\$62,500
Equipment Installation				0181-0910	\$50,000
Pipeline Construction (1/4) 0.8 Mile 4.5" Gas				0181-0920	\$21,300
TOTAL			\$439,800		\$783,000
SUBTOTAL			\$2,729,700		\$5,198,700

TOTAL WELL COST \$7,928,400

Extra Expense Insurance

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

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

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

Prepared by: <u>P. Hrebicek</u>	Date: <u>3/6/2019</u>
Company Approval: <u>M. Whittall</u>	Date: <u>3/7/2019</u>
Joint Owner Interest: _____ Amount: _____	Signature: _____
Joint Owner Name: _____	

ATTACHMENT E-3

MEWB IRNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

Well Name: Creedence 21/16 W0FC State Com #4H	Prospect: Wolfcamp
Location: SL: 2430' FSL & 2070' FWL (21); BHL: 330' FNL & 2310' FWL (16)	County: Eddy ST: NM
Sec. 21,16 Blk: Survey: 	TWP: 24S RNG: 28E Prop. TVD: 9488 TMD: 16883

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$20,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$85,000	0180-0205	\$25,000
Location / Restoration		0180-0106	\$200,000	0180-0206	\$30,000
Daywork / Turnkey / Footage Drilling 22 days drlg / 4 days comp @ \$18,500/d		0180-0110	\$435,000	0180-0210	\$79,000
Fuel 1700 gal/day @ 2.74/gal		0180-0114	\$131,900	0180-0214	\$370,000
Mud, Chemical & Additives		0180-0120	\$225,000	0180-0220	
Horizontal Drillout Services				0180-0222	\$200,000
Cementing		0180-0125	\$150,000	0180-0225	\$30,000
Logging & Wireline Services		0180-0130	\$2,000	0180-0230	\$335,000
Casing / Tubing / Snubbing Service		0180-0134	\$20,000	0180-0234	\$80,000
Mud Logging		0180-0137	\$20,000		
Stimulation 44 Stg 17.8 MM gal / 17.8 MM lb				0180-0241	\$2,160,000
Stimulation Rentals & Other				0180-0242	\$300,000
Water & Other		0180-0145	\$50,000	0180-0245	\$495,000
Bits		0180-0148	\$100,000	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	\$37,500	0180-0270	\$60,000
Directional Services Includes Vertical Control		0180-0175	\$189,000		
Equipment Rental		0180-0180	\$201,400	0180-0280	\$30,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$5,200	0180-0285	
Intangible Supplies		0180-0188	\$8,000	0180-0288	\$10,000
Damages		0180-0190		0180-0290	
ROW & Easements		0180-0192		0180-0292	\$1,000
Pipeline Interconnect				0180-0293	
Company Supervision		0180-0195	\$120,000	0180-0295	\$105,600
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment		0180-0198		0180-0298	
Contingencies 2% (TCP) 2% (CC)		0180-0199	\$44,900	0180-0299	\$88,600
TOTAL			\$2,289,900		\$4,517,700

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0") 425' - 13 3/8" 54.5# J-55 ST&C @ \$42.99/ft		0181-0794	\$19,600		
Casing (8.1" - 10.0") 2475' - 9 5/8" 40# L-80 LT&C @ \$34.73/ft		0181-0795	\$91,900		
Casing (6.1" - 8.0") 9650' - 7" 29# P-110 LT&C @ \$26.99/ft		0181-0796	\$278,200		
Casing (4.1" - 6.0") 7900' - 4 1/2" 13.5# P-110 BPN @ \$14.94/ft				0181-0797	\$126,100
Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$5.74/ft				0181-0798	\$55,200
Drilling Head		0181-0860	\$40,000		
Tubing Head & Upper Section				0181-0870	\$30,000
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 (1/4) VRU/circ pump/Booster Comp				0181-0886	\$30,000
Tanks - Oil (1/4) 8 - 750 bbl				0181-0890	\$38,000
Tanks - Water (1/4) 7 - 750 bbl coated				0181-0891	\$40,300
Separation / Treating Equipment 30"x10"x1k# 3 ph/36"x15"x1k# Hor 3ph/Gun bbl				0181-0895	\$78,500
Heater Treaters, Line Heaters 8"x20"x75# HT				0181-0897	\$27,000
Metering Equipment				0181-0898	\$14,000
Line Pipe & Valves - Gathering (1/4) 0.8 Mile 4.5" Gas				0181-0900	\$9,000
Fittings / Valves & Accessories				0181-0906	\$100,000
Cathodic Protection				0181-0908	\$8,000
Electrical Installation Automation, Power Line, Location Underground				0181-0909	\$62,500
Equipment Installation				0181-0910	\$50,000
Pipeline Construction (1/4) 0.8 Mile 4.5" Gas				0181-0920	\$21,300
TOTAL			\$429,700		\$784,900
SUBTOTAL			\$2,719,600		\$5,302,600

TOTAL WELL COST \$8,022,200

Extra Expense Insurance

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

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

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

Prepared by: P. Hrebicek Date: 3/6/2019

Company Approval: *m. whitte* Date: 3/7/2019

Joint Owner Interest: _____ Amount: _____

Joint Owner Name: _____ Signature: _____

ATTACHMENT E-4

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

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

Case No. 20594

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 owner, at his last known address, by certified mail. Copies of the notice letter and certified return receipt 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: 7/11/19

James Bruce
James Bruce

9B

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)

jamesbruce@aol.com

June 19, 2019

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

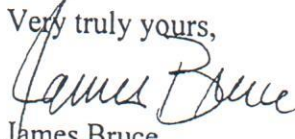
Ladies and gentlemen:

Enclosed is a copy of an application for compulsory pooling (Case No. 20594), filed with the New Mexico Oil Conservation Division by Mewbourne Oil Company, regarding Wolfcamp wells in a well unit comprised of the W/2 of Section 16 and the NW/4 of Section 21, Township 24 South, Range 28 East, NMPM, Eddy County, New Mexico.

This matter is scheduled for hearing at 8:15 a.m. on Thursday, July 11, 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 Wednesday, July 3, 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

Tom M. Ragsdale
Suite 601
400 North Sam Houston Parkway East
Houston, Texas 77060

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

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

7018 2290 0000 3424 0369

OFFICIAL USE

Certified Mail Fee \$

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

☐ Return Receipt (hardcopy) \$

☐ Return Receipt (electronic) \$

☐ Certified Mail Restricted Delivery \$

☐ Adult Signature Required \$

☐ Adult Signature Restricted Delivery \$

Postage \$

Total Postage and Fees \$

Sent To Tom M. Ragsdale
 Suite 601
 Street and Apt. No., or PO 400 North Sam Houston Parkway East
 City, State, Zip+4® Houston, Texas 77060

Postmark Here

PS Form 3800, April 2015 PSN 7530-02-000-8047 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:

Tom M. Ragsdale
 Suite 601
 400 North Sam Houston Parkway East
 Houston, Texas 77060



9590 9402 3453 7275 3963 54

7018 2290 0000 3424 0369

COMPLETE THIS SECTION ON DELIVERY

A. Signature

[Signature] ☐ Agent ☒ Addressee

B. Received by (Printed Name)

C. Date of Delivery

6/24/19

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

3. Service Type

- ☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery

- ☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

Delivery Restricted Delivery (over \$500)

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

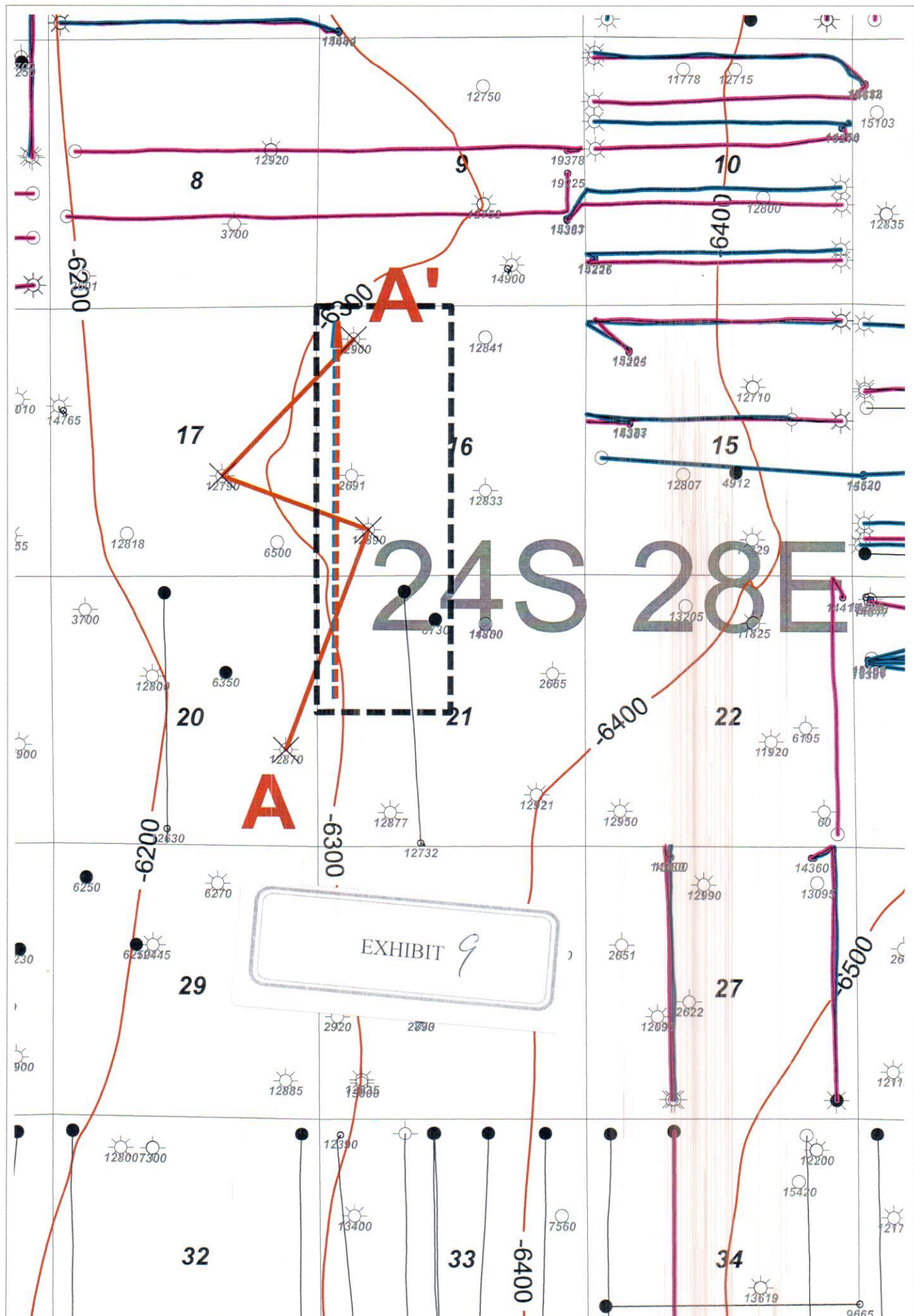
M. Cradence 7/19 Domestic Return Receipt

GEOLOGICAL EXHIBITS FROM

CASE NO. 16235

(WHICH COVERED THE SAME

ACREAGE AND FORMATION)



A S

3001534000000
COG OPERATING LIMITED LIABILITY CORP
NEW MAIN FEDERAL COM 1
Datum=3071.00
S2 NE SE
TWP: 18 S - Range: 16 E - Sec. 10

4647 ft

3001534000000
COG OPERATING LIMITED LIABILITY CORP
OXY BYPASS 16 STATE 1
Datum=3054.00
NE SW SW
TWP: 18 S - Range: 16 E - Sec. 10

3078 ft

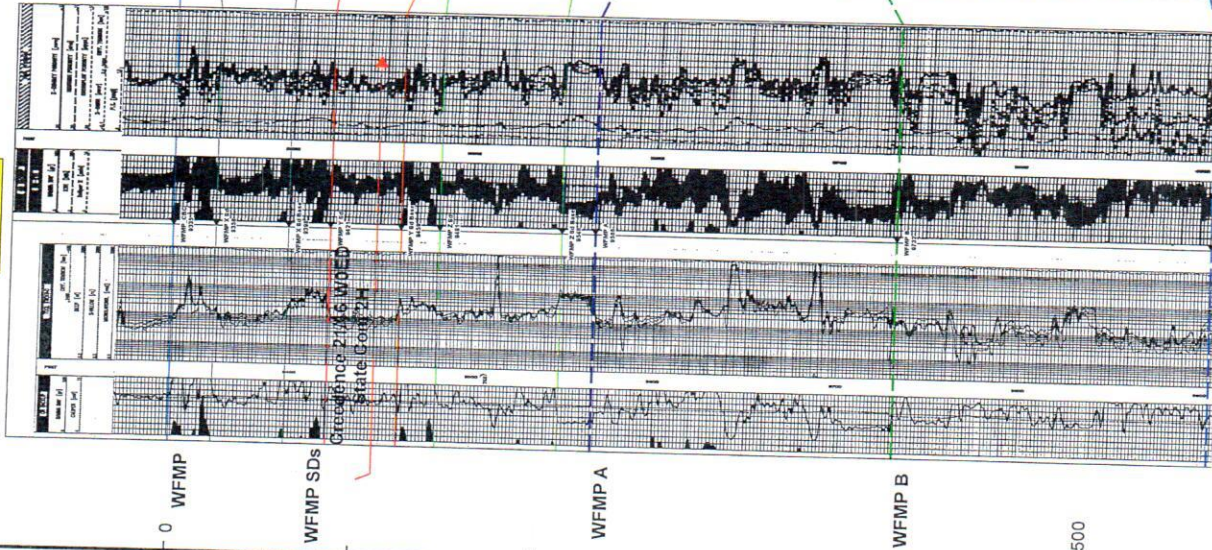
3001534000000
COG OPERATING LIMITED LIABILITY CORP
BROWNING FEDERAL COM 1
Datum=3079.00
E2 NW NW
TWP: 18 S - Range: 16 E - Sec. 10

3761 ft

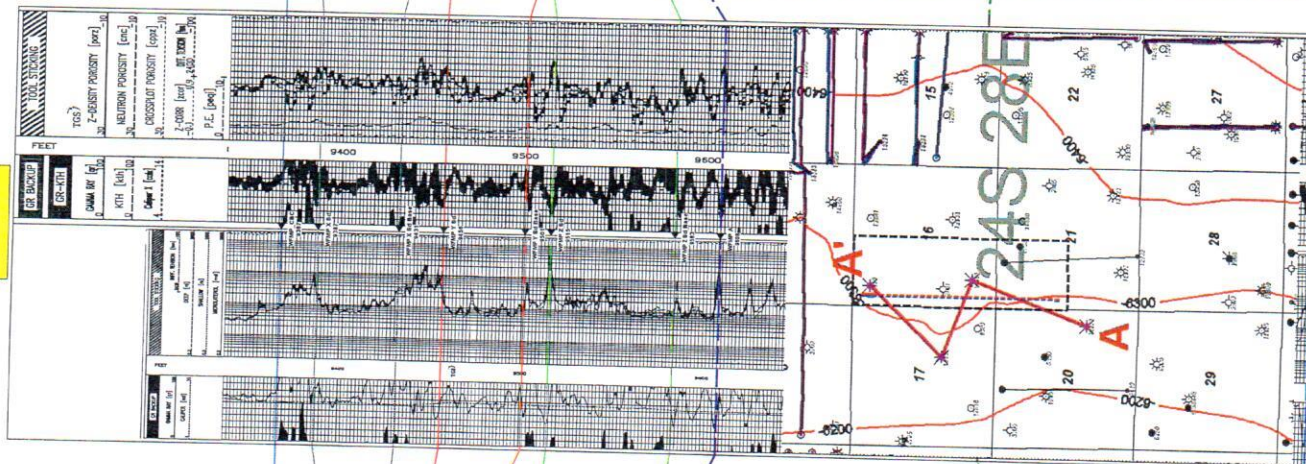
3001534000000
COG OPERATING LIMITED LIABILITY CORP
OXY BIG SPENDER STATE 1
Datum=3079.00
E2 NW NW
TWP: 18 S - Range: 16 E - Sec. 10

A' N

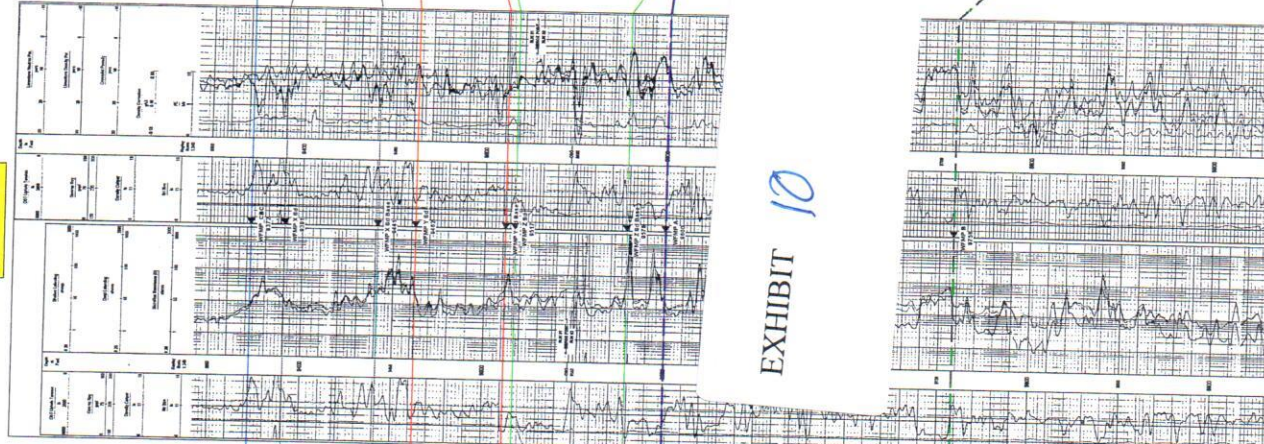
20I



16M



17J



16D

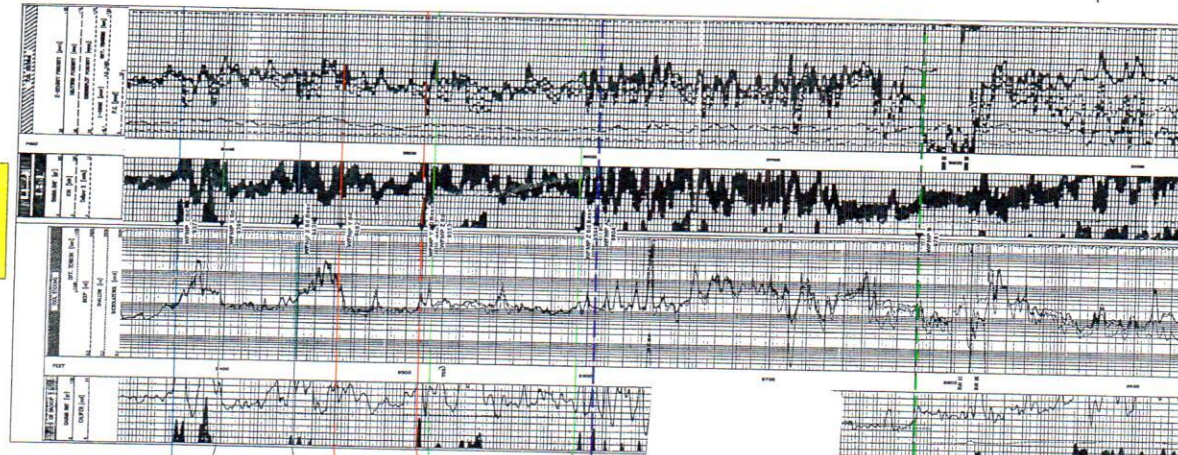
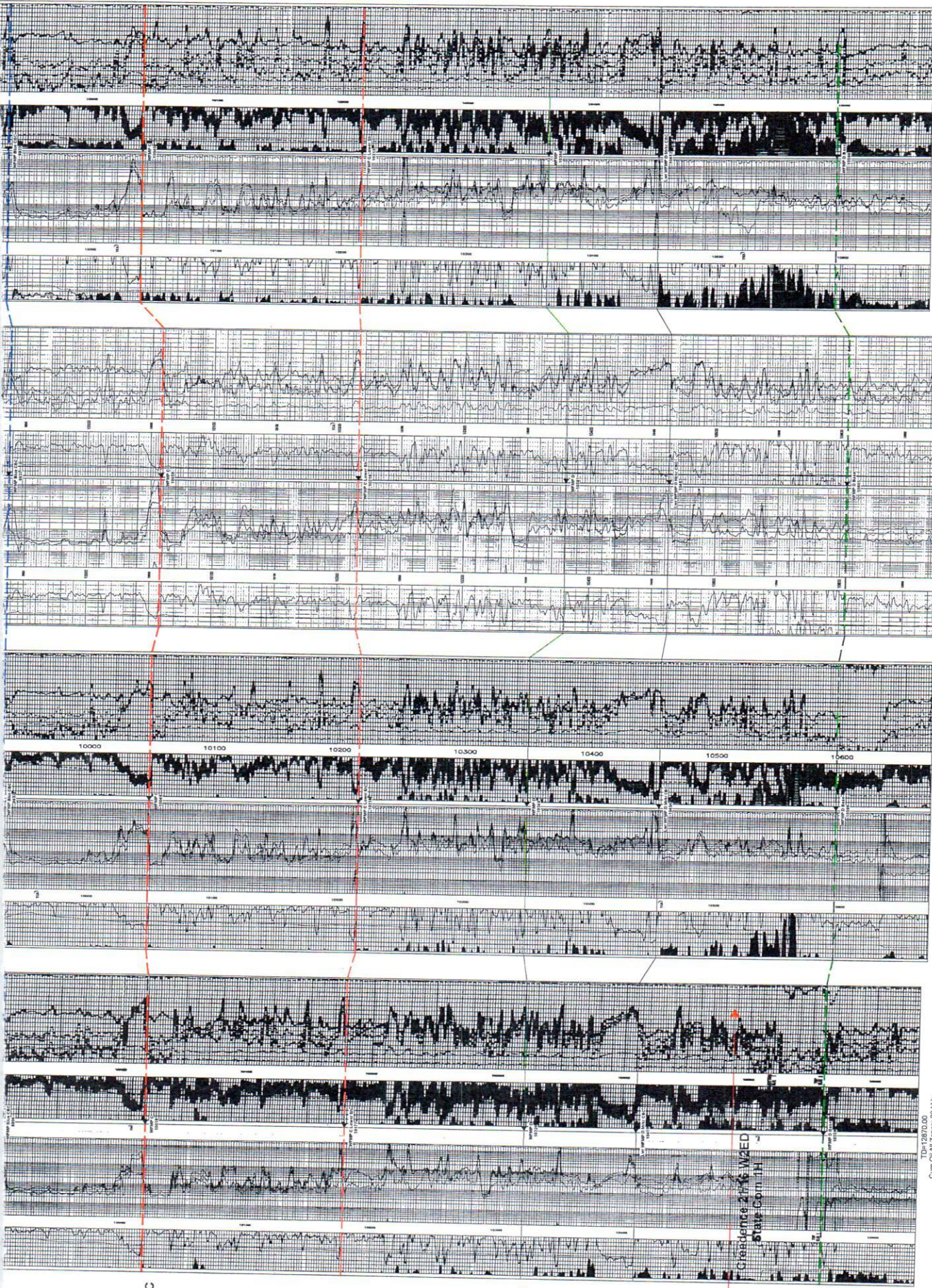


EXHIBIT 10

-500

-500



TD=2300.00
 Cum Oil All Zones: 80 bbls
 Cum Gas All Zones: 72212 MCF
 Cum Water All Zones: 228 bbls

TD=12700.00
 Cum Oil All Zones: 35511 MCF

TD=2300.00
 Cum Oil All Zones: 80 bbls
 Cum Gas All Zones: 36942 MCF
 Cum Water All Zones: 8199 bbls

TD=12870.00
 Cum Oil All Zones: 80 bbls
 Cum Gas All Zones: 867034 MCF

Creedence 21/16 W0ED State Com 2H
 Creedence 21/16 W2ED State Com 1H
 Cross Section Exhibit (A-A')

EXHIBIT 10

Creedence/Kansas Area Offset Wolfcamp Production Table									
Well Name	Operator	API	Locaiton	WFMP Comp Date	Cum Oil (Mbo)	Cum Gas (Bcf)	Cum Water (Mbw)	NS/EW	WFMP Zone
Guitar 10 24 28 RB 202H	Matador	3001542660	10H/24S/28E	4/2/2015	225.4	0.4	672.3	EW	WFMP Y Sand
Rock Spur 27 W2CN State Com 1H	Mewbourne	3001543212	27C/24S/28E	6/30/2017	162.9	1.8	531.8	NS	WFMP D Shale
Guitar 10-24S-28E RB 222H	Matador	3001543693	10H/24S/28E	8/12/2016	120.1	1.07	427.8	EW	WFMP D Shale
Anne Com 15 24S 28E RB 221H	Matador	3001543899	15D/24S/28E	11/21/2016	107.9	1.3	473.5	EW	WFMP D Shale
Guitar 10 24 28 RB 201H	Matador	3001543940	11D/24S/28E	5/20/2017	180.7	0.4	576.3	EW	WFMP Y Sand
Guitar 10 24 28 RB 221H	Matador	3001543966	11D/24S/28E	4/30/2017	93.1	1.2	392.1	EW	WFMP D Shale
Guitar 10 24S 28E RB 205H	Matador	3001543993	11D/24S/28E	5/17/2017	132.7	0.4	433	EW	WFMP Y Sand
Rock Spur 27 W0CN State Com 2H	Mewbourne	3001544064	27C/24S/28E	6/30/2017	256.9	0.6	681.1	NS	WFMP Y Sand
Anne Com 15 24S 28E RB 201H	Matador	3001544210	15D/24S/28E	10/6/2017	149.1	0.3	412.7	EW	WFMP Y Sand
Tom Matthews 10 24S 28E RB 223H	Matador	3001544257	9I/24/28E	10/21/2017	61.6	1.05	308.2	EW	WFMP D Shale
Anne Com 15 24S 28E 202H	Matador	3001544417	15E/24S/28E	1/7/2018	143.1	0.3	404.5	EW	WFMP Y Sand
Anne Com 15 24S 28E 222H	Matador	3001544421	15E/24S/28E	12/23/2017	54.5	0.8	236.9	EW	WFMP D Shale
Tom Matthews 10 24S 28E RB 204H	Matador	3001544515	10M/24S/28E	5/5/2018	79.7	0.2	262.4	EW	WFMP Y Sand
Tom Matthews 10 24S 28E RB 224H	Matador	3001544516	10M/24S/28E	4/14/2018	35.3	0.5	173.9	EW	WFMP D Shale
Tom Matthews 10 24S 28E RB 203H	Matador	3001544561	9I/24S/28E	4/22/2018	77.2	0.2	273	EW	WFMP Y Sand
Kyle 34 Federal Com 3H	Marathon	3001543405	34N/24S/28E	1/24/2018	Pending				WFMP Y Sand
Rock Spur 27 W2AP State 1H	Mewbourne	3001544092	27A/24S/28E	4/28/2018	Pending				WFMP D Shale
Rock Spur 27 W0AP State 2H	Mewbourne	3001544093	27A/24S/28E	4/28/2018	Pending				WFMP Y Sand
Chicken Fry Federal Com 1H	Marathon	3001542882	22A/24S/28E	Pending				NS	WFMP Y Sand
Willow Lake WC 15 1H	Kaiser-Francis	3001543990	14L/24S/28E	Pending				NS	WFMP Y Sand
Chicago 9/8 W0HE Fee Com 1H	Mewbourne	3001544260	9H/24S/28E	Pending				EW	WFMP D Shale
Chicago 9/8 W0IL Fee Com 1H	Mewbourne	3001544261	9H/24S/28E	Pending				EW	WFMP Y Sand

EXHIBIT 11

Mewbourne Oil Company

SURVEY CALCULATION REPORT Minimum Curvature Calculations

Operator: Mewbourne Oil Company
Lease Name: Creedence 21/16 W2ED State Com 1H
KOP 9937.04
SL: 2435 FNL & 330 FWL Sec 21-24S-28E
BHL: 330 FNL & 330 FWL Sec 16-24S-28E

Target KBTVD: 10,510 Feet 10510.00
Target Angle: 90.03 Degrees 90.03
Section Plane: 0.05 Degrees
Declination Corrected to True North: 6.63 Degrees
Bit to Survey Offset: 44 Feet

Survey No.	Measured Depth-ft	Drift (Deg.)	Azimuth (Deg.)	Course Length	TVD (Feet)	Vertical Section	+N/-S (Feet)	+E/-W (Feet)	Closure Distance	Closure Direction	BUR	DLS	KBTVD	+Above -Below Target	DRIFT (RADIANS)	AZIMUTH (RADIANS)
T/I	9937.04	0.00	0.05	N/A	9937.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	9937.0	573.0	1E-12	0.00 #VALUE!
1	10027.08	9.00	0.05	90.0334	10026.7	7.1	7.1	0.0	7.1	0.1	10.0	10.0	10026.7	483.3	0.1571379	0.00 0.1571379
2	10117.11	18.01	0.05	90.0334	10114.2	28.1	28.1	0.0	28.1	0.1	10.0	10.0	10114.2	395.8	0.3142757	0.00 0.1571379
3	10207.14	27.01	0.05	90.0334	10197.2	62.5	62.5	0.1	62.5	0.1	10.0	10.0	10197.3	312.7	0.4714136	0.00 0.1571379
4	10297.18	36.01	0.05	90.0334	10273.9	109.5	109.5	0.1	109.5	0.1	10.0	10.0	10274.0	236.0	0.6285514	0.00 0.1571379
5	10387.21	45.02	0.05	90.0334	10342.3	167.9	167.9	0.2	167.9	0.1	10.0	10.0	10342.4	167.6	0.7856893	0.00 0.1571379
6	10477.24	54.02	0.05	90.0334	10400.7	236.3	236.3	0.2	236.3	0.1	10.0	10.0	10400.8	109.2	0.9428271	0.00 0.1571379
7	10567.28	63.02	0.05	90.0334	10447.7	313.0	313.0	0.3	313.0	0.1	10.0	10.0	10447.8	62.2	1.099965	0.00 0.1571379
8	10657.31	72.03	0.05	90.0334	10482.0	396.2	396.2	0.4	396.2	0.1	10.0	10.0	10482.3	27.7	1.2571028	0.00 0.1571379
9	10747.34	81.03	0.05	90.0334	10503.0	483.6	483.6	0.5	483.6	0.1	10.0	10.0	10503.3	6.7	1.4142407	0.00 0.1571379
10	10837.38	90.03	0.05	90.0334	10510.0	573.3	573.3	0.5	573.3	0.1	10.0	10.0	10510.3	-0.3	1.5713785	0.00 0.1571379
11	10900.00	90.03	0.05	62.6242	10510.0	635.9	635.9	0.6	635.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
12	11000.00	90.03	0.05	100	10509.9	735.9	735.9	0.7	735.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
13	11100.00	90.03	0.05	100	10509.8	835.9	835.9	0.8	835.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
14	11200.00	90.03	0.05	100	10509.8	935.9	935.9	0.9	935.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
15	11300.00	90.03	0.05	100	10509.7	1035.9	1035.9	1.0	1035.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
16	11400.00	90.03	0.05	100	10509.7	1135.9	1135.9	1.1	1135.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
17	11500.00	90.03	0.05	100	10509.6	1235.9	1235.9	1.2	1235.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
18	11600.00	90.03	0.05	100	10509.6	1335.9	1335.9	1.3	1335.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
19	11700.00	90.03	0.05	100	10509.5	1435.9	1435.9	1.4	1435.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
20	11800.00	90.03	0.05	100	10509.4	1535.9	1535.9	1.5	1535.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
21	11900.00	90.03	0.05	100	10509.4	1635.9	1635.9	1.6	1635.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
22	12000.00	90.03	0.05	100	10509.3	1735.9	1735.9	1.7	1735.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
23	12100.00	90.03	0.05	100	10509.3	1835.9	1835.9	1.8	1835.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
24	12200.00	90.03	0.05	100	10509.2	1935.9	1935.9	1.8	1935.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
25	12300.00	90.03	0.05	100	10509.1	2035.9	2035.9	1.9	2035.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
26	12400.00	90.03	0.05	100	10509.1	2135.9	2135.9	2.0	2135.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
27	12500.00	90.03	0.05	100	10509.0	2235.9	2235.9	2.1	2235.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
28	12600.00	90.03	0.05	100	10509.0	2335.9	2335.9	2.2	2335.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
29	12700.00	90.03	0.05	100	10508.9	2435.9	2435.9	2.3	2435.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
30	12800.00	90.03	0.05	100	10508.9	2535.9	2535.9	2.4	2535.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
31	12900.00	90.03	0.05	100	10508.8	2635.9	2635.9	2.5	2635.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
32	13000.00	90.03	0.05	100	10508.7	2735.9	2735.9	2.6	2735.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
33	13100.00	90.03	0.05	100	10508.7	2835.9	2835.9	2.7	2835.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
34	13200.00	90.03	0.05	100	10508.6	2935.9	2935.9	2.8	2935.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
35	13300.00	90.03	0.05	100	10508.6	3035.9	3035.9	2.9	3035.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
36	13400.00	90.03	0.05	100	10508.5	3135.9	3135.9	3.0	3135.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
37	13500.00	90.03	0.05	100	10508.4	3235.9	3235.9	3.1	3235.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
38	13600.00	90.03	0.05	100	10508.4	3335.9	3335.9	3.2	3335.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
39	13700.00	90.03	0.05	100	10508.3	3435.9	3435.9	3.3	3435.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
40	13800.00	90.03	0.05	100	10508.3	3535.9	3535.9	3.4	3535.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
41	13900.00	90.03	0.05	100	10508.2	3635.9	3635.9	3.5	3635.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
42	14000.00	90.03	0.05	100	10508.2	3735.9	3735.9	3.6	3735.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
43	14100.00	90.03	0.05	100	10508.1	3835.9	3835.9	3.7	3835.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
44	14200.00	90.03	0.05	100	10508.0	3935.9	3935.9	3.8	3935.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
45	14300.00	90.03	0.05	100	10508.0	4035.9	4035.9	3.9	4035.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
46	14400.00	90.03	0.05	100	10507.9	4135.9	4135.9	4.0	4135.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
47	14500.00	90.03	0.05	100	10507.9	4235.9	4235.9	4.0	4235.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
48	14600.00	90.03	0.05	100	10507.8	4335.9	4335.9	4.1	4335.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
49	14700.00	90.03	0.05	100	10507.8	4435.9	4435.9	4.2	4435.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
50	14800.00	90.03	0.05	100	10507.7	4535.9	4535.9	4.3	4535.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
51	14900.00	90.03	0.05	100	10507.6	4635.9	4635.9	4.4	4635.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
52	15000.00	90.03	0.05	100	10507.6	4735.9	4735.9	4.5	4735.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
53	15100.00	90.03	0.05	100	10507.5	4835.9	4835.9	4.6	4835.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
54	15200.00	90.03	0.05	100	10507.5	4935.9	4935.9	4.7	4935.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
55	15300.00	90.03	0.05	100	10507.4	5035.9	5035.9	4.8	5035.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10
56	15400.00	90.03	0.05	100	10507.3	5135.9	5135.9	4.9	5135.9	0.1	0.0	0.0	10510.3	-0.3	1.5713785	0.00 1E-10

EXHIBIT 12

Mewbourne Oil Company

SURVEY CALCULATION REPORT Minimum Curvature Calculations

Operator: Mewbourne Oil Company
Lease Name: Creedence 21/16 W0ED State Com 2H
KOP 8996.54
SL: 2435 FNL & 360 FWL Sec 21/24S/28E
BHL: 330 FNL & 400 FWL Sec 16/24S/28E

Target KBTVD: 9,474 Feet 9474.00
Target Angle: 89.88 Degrees 89.88
Section Plane: 0.36 Degrees
Declination Corrected to True North: 6.63 Degrees
Bit to Survey Offset: 44 Feet

Survey No.	Measured Depth-ft	Drift (Deg.)	Azimuth (Deg.)	Course Length	TVD (Feet)	Vertical Section	+N/-S (Feet)	+E/-W (Feet)	Closure Distance	Closure Direction	BUR	DLS	KBTVD	+Above	DRIFT (RADIAN)	AZIMUTH (RADIAN)
														-Below Target		
T/1	8996.54	0.00	0.36	N/A	8996.5	0.0	0.0	0.0	0.0	0.0	N/A	N/A	8996.5	477.5	1E-12	0.01 #VALUE!
1	9071.44	8.99	0.36	74.9040523	9071.1	5.9	5.9	0.0	5.9	0.4	12.0	12.0	9071.1	402.9	0.15687868	0.01 0.156879
2	9146.34	17.98	0.36	74.9040523	9143.9	23.3	23.3	0.1	23.3	0.4	12.0	12.0	9143.9	330.1	0.313757361	0.01 0.156879
3	9221.25	26.97	0.36	74.9040523	9213.0	51.9	51.9	0.3	51.9	0.4	12.0	12.0	9212.9	261.1	0.470636041	0.01 0.156879
4	9296.15	35.95	0.36	74.9040523	9276.9	91.0	91.0	0.6	91.0	0.4	12.0	12.0	9276.7	197.3	0.627514721	0.01 0.156879
5	9371.06	44.94	0.36	74.9040523	9333.8	139.5	139.5	0.9	139.5	0.4	12.0	12.0	9333.5	140.5	0.784393402	0.01 0.156879
6	9445.96	53.93	0.36	74.9040523	9382.5	196.4	196.3	1.2	196.4	0.4	12.0	12.0	9382.1	91.9	0.941272082	0.01 0.156879
7	9520.86	62.92	0.36	74.9040523	9421.7	260.1	260.1	1.7	260.1	0.4	12.0	12.0	9421.1	52.9	1.098150762	0.01 0.156879
8	9595.77	71.91	0.36	74.9040523	9450.4	329.2	329.2	2.1	329.2	0.4	12.0	12.0	9449.7	24.3	1.255029442	0.01 0.156879
9	9670.67	80.90	0.36	74.9040523	9468.0	401.9	401.9	2.6	401.9	0.4	12.0	12.0	9467.2	6.8	1.411908123	0.01 0.156879
10	9745.58	89.88	0.36	74.9040523	9474.0	476.5	476.5	3.0	476.5	0.4	12.0	12.0	9473.0	1.0	1.568786803	0.01 0.156879
11	9800.00	89.88	0.36	54.4243062	9474.1	530.9	530.9	3.4	530.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
12	9900.00	89.88	0.36	100	9474.3	630.9	630.9	4.0	630.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
13	10000.00	89.88	0.36	100	9474.5	730.9	730.9	4.6	730.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
14	10100.00	89.88	0.36	100	9474.7	830.9	830.9	5.3	830.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
15	10200.00	89.88	0.36	100	9474.9	930.9	930.9	5.9	930.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
16	10300.00	89.88	0.36	100	9475.1	1030.9	1030.9	6.6	1030.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
17	10400.00	89.88	0.36	100	9475.3	1130.9	1130.9	7.2	1130.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
18	10500.00	89.88	0.36	100	9475.5	1230.9	1230.9	7.8	1230.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
19	10600.00	89.88	0.36	100	9475.7	1330.9	1330.9	8.5	1330.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
20	10700.00	89.88	0.36	100	9475.9	1430.9	1430.9	9.1	1430.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
21	10800.00	89.88	0.36	100	9476.1	1530.9	1530.9	9.7	1530.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
22	10900.00	89.88	0.36	100	9476.3	1630.9	1630.9	10.4	1630.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
23	11000.00	89.88	0.36	100	9476.5	1730.9	1730.9	11.0	1730.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
24	11100.00	89.88	0.36	100	9476.7	1830.9	1830.9	11.6	1830.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
25	11200.00	89.88	0.36	100	9476.9	1930.9	1930.9	12.3	1930.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
26	11300.00	89.88	0.36	100	9477.1	2030.9	2030.9	12.9	2030.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
27	11400.00	89.88	0.36	100	9477.3	2130.9	2130.9	13.5	2130.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
28	11500.00	89.88	0.36	100	9477.5	2230.9	2230.9	14.2	2230.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
29	11600.00	89.88	0.36	100	9477.7	2330.9	2330.9	14.8	2330.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
30	11700.00	89.88	0.36	100	9477.9	2430.9	2430.9	15.5	2430.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
31	11800.00	89.88	0.36	100	9478.1	2530.9	2530.9	16.1	2530.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
32	11900.00	89.88	0.36	100	9478.3	2630.9	2630.9	16.7	2630.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
33	12000.00	89.88	0.36	100	9478.5	2730.9	2730.9	17.4	2730.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
34	12100.00	89.88	0.36	100	9478.7	2830.9	2830.9	18.0	2830.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
35	12200.00	89.88	0.36	100	9478.9	2930.9	2930.9	18.6	2930.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
36	12300.00	89.88	0.36	100	9479.1	3030.9	3030.9	19.3	3030.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
37	12400.00	89.88	0.36	100	9479.3	3130.9	3130.9	19.9	3130.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
38	12500.00	89.88	0.36	100	9479.5	3230.9	3230.9	20.5	3230.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
39	12600.00	89.88	0.36	100	9479.7	3330.9	3330.9	21.2	3330.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
40	12700.00	89.88	0.36	100	9479.9	3430.9	3430.9	21.8	3430.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
41	12800.00	89.88	0.36	100	9480.1	3530.9	3530.9	22.4	3530.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
42	12900.00	89.88	0.36	100	9480.3	3630.9	3630.8	23.1	3630.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
43	13000.00	89.88	0.36	100	9480.5	3730.9	3730.8	23.7	3730.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
44	13100.00	89.88	0.36	100	9480.7	3830.9	3830.8	24.4	3830.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
45	13200.00	89.88	0.36	100	9480.9	3930.9	3930.8	25.0	3930.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
46	13300.00	89.88	0.36	100	9481.1	4030.9	4030.8	25.6	4030.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
47	13400.00	89.88	0.36	100	9481.3	4130.9	4130.8	26.3	4130.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
48	13500.00	89.88	0.36	100	9481.5	4230.9	4230.8	26.9	4230.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
49	13600.00	89.88	0.36	100	9481.7	4330.9	4330.8	27.5	4330.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
50	13700.00	89.88	0.36	100	9481.9	4430.9	4430.8	28.2	4430.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
51	13800.00	89.88	0.36	100	9482.1	4530.9	4530.8	28.8	4530.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
52	13900.00	89.88	0.36	100	9482.3	4630.9	4630.8	29.4	4630.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
53	14000.00	89.88	0.36	100	9482.5	4730.9	4730.8	30.1	4730.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
54	14100.00	89.88	0.36	100	9482.7	4830.9	4830.8	30.7	4830.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
55	14200.00	89.88	0.36	100	9483.0	4930.9	4930.8	31.3	4930.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
56	14300.00	89.88	0.36	100	9483.2	5030.9	5030.8	32.0	5030.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
57	14400.00	89.88	0.36	100	9483.4	5130.9	5130.8	32.6	5130.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
58	14500.00	89.88	0.36	100	9483.6	5230.9	5230.8	33.3	5230.9	0.4	0.0	0.0	9473.0	1.0	1.568786803	0.01 1E-10
59	14600.00	89.88	0.36	100	9483.8	5330.9	5330.8	33.9	5330.9	0.4	0.0	0.0	9473.0	1.		