

**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. 16498

VERIFIED STATEMENT OF MITCH ROBB

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

1. I am a landman for Mewbourne Oil Company ("Mewbourne"), and have personal knowledge of the matters stated herein. I have been qualified by the Division as an expert petroleum landman.
2. Pursuant to NMAC 19.15.4.12.A(1), the following information is submitted in support of the compulsory pooling application filed herein:
 - (a) The purpose of this application is to force pool working interest owners into the 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 well, but have failed or refused to voluntarily commit their interests to the well. Some interest owners may be unlocatable.
 - (c) A plat outlining the unit being pooled is attached hereto as Attachment A. Mewbourne seeks an order pooling all mineral interests in the Wolfcamp formation underlying Lots 3, 4, S/2NW/4, and SW/4 (the W/2) of Section 2 and the NW/4 of Section 11, Township 24 South, Range 27 East, NMPM. The unit will be dedicated to:
 - (i) the South Loving 2/11 W0CF State Com Well No. 1H, a horizontal well with a first take point in the NE/4 NW/4 of 2 and a final take point in the SE/4 NW/4 of Section 11;
 - (ii) the South Loving 2/11 W0DE State Com Well No. 1H, a horizontal well with a first take point in the NW/4NW/4 of 2 and a final take point in the SW/4 NW/4 of Section 11.

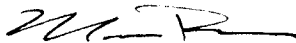
EXHIBIT 1

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

VERIFICATION

STATE OF TEXAS)
) ss.
COUNTY OF MIDLAND)

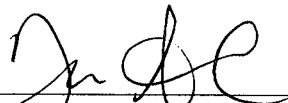
Mitch Robb, being duly sworn upon his oath, deposes and states that: He is a landman for Mewbourne Oil Company; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of his knowledge,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



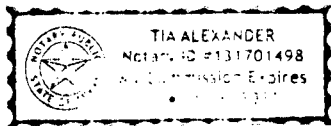
Mitch Robb

SUBSCRIBED AND SWORN TO before me this 29 day of October, 2018 by Mitch Robb.

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) 748-0720
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) 476-3490 Fax: (505) 476-3462

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

MAY 15 2018

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

☐ AMENDED REPORT

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-4967		2 Pool Code 982.0		3 Pool Name PURPLE SAGE WOLFCAMP	
4 Property Code 321428		5 Property Name SOUTH LOVING 2/11 WOCF STATE			6 Well Number 1H
7 OCRIID NO. 14744		8 Operator Name MEWBOURNE OIL COMPANY			9 Elevation 3152'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot	Feet from the	North/South line	Feet from the	East/West line	County
3	2	24S	27E		360	NORTH	2030	WEST	EDDY

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot	Feet from the	North/South line	Feet from the	East/West line	County
F	11	24S	27E		2310	NORTH	2240	WEST	EDDY

12 Dedicated Acres 480.67	13 Area for Infill 115.116	14 Consolidation Code	15 Order No.
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No allowable well be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

16 GEODATA NAD 83 CORNER EAST SURFACE LOCATION N: 450853.1 E: 594032.0 LAT: 32°17'02.5" N LONG: 106°17'19.82" W BOTTOM HOLE N: 448580.1 E: 594086.8 LAT: 32°17'10.0" N LONG: 106°17'34.8" W CORNER DATA NAD 83 CORNER EAST A: FOUR CORNER REGAR N: 448546.3 E: 594044.4 B: CALCULATED CORNER N: 448586.8 E: 594049.8 C: CALCULATED CORNER N: 448598.4 E: 59406.3 D: CALCULATED CORNER N: 448623.8 E: 59409.4 E: FOUND CORNER N: 448579.1 E: 594180.1 F: FOUND CORNER CAP "DANGER" N: 448624.1 E: 594126.2 G: FOUND CORNER CAP "ID" N: 448626.5 E: 594132.2 H: FOUND CORNER CAP N: 448611.1 E: 594128.3	N 89°34'15" E 5294.49' LOT 3 LOT 2 LOT 1 S. L. 360' 2 2310' B. L. 2240' 11 S 89°18'09" W 5295.49'	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 Bradley Bishop Date 5-15-18 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. 4-18-18 Date of Survey Signature and Seal of Professional Surveyor 19680 Certificate Number	

RRC-Job No.: LS1804447

**NM OIL CONSERVATION
ARTESIA DISTRICT**

JUN 05 2018 Form C-102
Revised August 1, 2011

Submit one copy to appropriate
RECEIVED District Office

☐ AMENDED REPORT

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
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Phone: (505) 334-0118 Fax: (505) 334-170
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1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3456 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

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. Acreage 30.01	2. Pool Name Purple Sage, Wolfcamp (gas)
3. Property Name SOUTH LOVING 2/11 WODE STATE COM	4. Well Number 1H
5. Operator Name MEWBOURNE OIL COMPANY	6. Elevation 3152'

10 Surface Location				
UL or lot	Township	Range	Feet from the	North/South line
3	44S	27E	205	NORTH
Feet from the East/West line				
1330 WEST				
County				
EDDY				

11 Bottom Hole Location If Different From Surface				
UL or lot	Township	Range	Feet from the	North/South line
3	44S	27E	2310	NORTH
Feet from the East/West line				
450 WEST				
County				
EDDY				

No well location for this completion as all interest have been consolidated or a non-standard unit has been approved by the division.

16	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 an undivided 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 hereinafter entered by the division. Signature: <u>[Signature]</u> Date: <u>6/5/18</u> Printed Name: <u>M. Young</u> E-mail Address: <u>M.Young@Mewbourne.com</u>
	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. Date of Survey: <u>5-22-18</u> Signature and Seal of Professional Surveyor: <u>[Signature]</u> Certificate Number: <u>19680</u>

RRC-Job No.: LS1804448

Tract Ownership
South Loving 2/11 W0CF State Com #1H Well
South Loving 2/11 W0DE State Com #1H Well
NW/2 of Section 2 & NW/4 of Section 11, T24S, R27E
Eddy County, New Mexico

NW/2 of Section 2 & NW/4 of Section 11-24S-27E Ownership:

Mewbourne Oil Company	62.000791%
Marshall & Winston, Inc.	25.019760%
Marathon Oil Permian LLC	7.321741%*
COG Operations LLC	4.992096%
CLM Production Company	0.166403%
Warner Associates	0.166403%
Vivac Energy, LLC	0.166403%
Betty Manning	0.166403%
Total	100.000000%

Tract interest being force pooled: 7.321741%

*Tract interest that is being force pooled.

ATTACHMENT

B

Summary of Communications
South Loving 2/11 W0CF State Com #1H Well
South Loving 2/11 W0DE State Com #1H Well
NW/2 of Section 2 & NW/4 of Section 11, T24S, R27E
Eddy County, New Mexico

Marathon Oil Permian LLC:

06/01/2018: Mailed a Working Interest Unit and Well Proposal to Marathon Oil Permian LLC.

06/20/2018: Called Matt Tate regarding Working Interest Unit and Well Proposal and left voicemail.

06/26/2018: Called Matt Tate regarding Working Interest Unit and Well Proposal and left voicemail.

07/06/2018: Spoke with Matt Brown regarding Working Interest Unit and Well Proposal.

07/19/2018: Spoke with Matt Brown regarding Working Interest Unit and Well Proposal.

10/15/2018: Spoke with Marathon and was told that they will not process our Working Interest Unit and Well Proposal since they are not under a joint operating agreement or pooling order.

ATTACHMENT

C

MEWBOURNE OIL COMPANY

FASKEN CENTER
500 WEST TEXAS, SUITE 1020
MIDLAND, TX 79701

TELEPHONE (432) 682-3715
FACSIMILE (432) 685-4170

June 1, 2018

Via Certified Mail

Marathon Oil Permian LLC
5555 San Felipe St.
Houston, TX 77056
Attn: Matt Brown

Re: South Loving 2/11 W0CF State #1H and South Loving 2/11 W0DE State #1H
205' FNL & 1360' FWL (SL) (Sec. 2) 205' FNL & 1330' FWL (SL) (Sec. 2)
2310' FNL & 2240' FWL (BHL) (Sec. 11) 2310' FNL & 450' FWL (BHL) (Sec. 11)
Sections 2&11, T24S, R27E Sections 2&11, T24S, R27E
Eddy County, New Mexico Eddy County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 480.76 acre Working Interest Unit ("WU") covering the W/2 of the captioned Section 2 and the NW/4 of the captioned Section 11 for oil and gas production.

Mewbourne as Operator hereby proposes to drill the captioned South Loving 2/11 W0CF State #1H at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,197 feet subsurface to evaluate the Wolfcamp Formation. The proposed well will have a measured depth (MD) of approximately 16,699 feet. The W/2 of the captioned Section 2 and the NW/4 of the captioned Section 11 will be dedicated to the well and the proration unit.

In addition, Mewbourne as Operator hereby proposes to drill the captioned South Loving 2/11 W0DE State #1H at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,197 feet subsurface to evaluate the Wolfcamp Formation. The proposed well will have a measured depth (MD) of approximately 16,699 feet. The W/2 of the captioned Section 2 and the NW/4 of the captioned Section 11 will be dedicated to the well and the proration unit.

Also, enclosed for further handling is our Operating Agreement dated May 15, 2018, along with an extra set of signature pages, and our AFEs dated June 1, 2018 for the captioned proposed wells.

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

These well proposals will supersede the proposal for the South Loving 2/11 W0CF State #1H that I sent you via letter dated May 12, 2018.

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

Sincerely,

MEWBOURNE OIL COMPANY



Mitch Robb
Landman



Date: June 29, 2018

Simple Certified Mail:

The following is in response to your June 8, 2018 request for delivery information on your Certified Mail™/Registered Mail™ number 9402810690945031892081. The delivery record shows that this item was delivered on June 8, 2018 at 11:16 am in HOUSTON, TX 77056. The scanned image of the recipient information is provided below.

Signature of Recipient:

Address of Recipient:

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,

United States Postal Service

Robert Brown
Oil Permian LLC
3 FELIPE ST
HOUSTON, TX 77056
Box # South Loving 2/11 W0CF#1H MR
South Loving 2 11 W0CF 1H

MEWBORNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

Well Name: South Lov State #1H Prospect: Wolfcamp

Location: State #1H County: Eddy ST: NM

Sec. 2 Bk: TWP: 24S RNG: 27E Prop. TVD: 9197 TMD: 16699

COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$10,000	0180-0200	
Location / R/W / Pr		0180-0105	\$70,000	0180-0205	\$25,000
Location / R/W / Pr		0180-0106	\$200,000	0180-0206	\$30,000
Daywork / Trip / Fuel	10 days day / 4 days cont	0180-0110	\$628,000	0180-0210	\$89,700
Fuel	270/gal	0180-0114	\$141,000	0180-0214	\$385,000
Mud, Chem		0180-0120	\$225,000	0180-0220	
Horizontal Drilling				0180-0222	\$200,000
Cementing		0180-0125	\$150,000	0180-0225	\$30,000
Logging & Wireline		0180-0130	\$2,000	0180-0230	\$355,000
Casing / Tubing		0180-0134	\$20,000	0180-0234	\$80,000
Mud Logging		0180-0137	\$20,000		
Stimulation	100 gal / 18			0180-0241	\$2,700,000
Stimulation				0180-0242	\$150,000
Water & O		0180-0145	\$50,000	0180-0245	\$570,000
Bits		0180-0148	\$81,000	0180-0248	\$8,000
Inspection		0180-0150	\$40,000	0180-0250	\$5,000
Misc. Air		0180-0154		0180-0254	\$10,000
Testing &		0180-0158	\$15,000	0180-0258	\$30,000
Completion				0180-0260	\$10,500
Rig Mobil		0180-0164	\$150,000		
Transport		0180-0165	\$20,000	0180-0265	\$20,000
Welding		0180-0168	\$5,000	0180-0268	\$15,000
Contract		0180-0170	\$46,500	0180-0270	\$33,000
Directional	Control	0180-0175	\$252,000		
Equipment		0180-0180	\$243,000	0180-0280	\$30,000
Well / Log		0180-0184	\$5,000	0180-0284	
Well / Log		0180-0185	\$5,200	0180-0285	
Intangible		0180-0188	\$8,000	0180-0288	\$10,000
Damages		0180-0190	\$5,000	0180-0290	
ROW &		0180-0192		0180-0292	\$5,000
Pipelining				0180-0293	
Compu		0180-0195	\$148,800	0180-0295	\$105,600
Overh		0180-0196	\$10,000	0180-0296	\$20,000
Well Ad		0180-0198		0180-0298	
Contingent		0180-0199	\$255,100	0180-0299	\$491,700
TOTAL			\$2,805,600		\$5,408,500
COSTS 0181					
Casing	\$35,600	0181-0793			
Casing	\$27,610	0181-0794	\$19,200		
Casing	\$76m	0181-0795	\$126,800		
Casing	\$113	0181-0796	\$280,800		
Tubing	\$45			0181-0797	\$116,500
Drilling		0181-0860	\$40,000	0181-0798	\$50,200
Tubing				0181-0870	\$30,000
Horizontal				0181-0871	\$70,000
Sucker				0181-0875	
Subs				0181-0880	
Artif				0181-0884	\$15,000
Perfor				0181-0885	
Sign				0181-0886	\$35,000
Tan				0181-0890	\$55,000
Tan				0181-0891	\$60,000
S				0181-0895	\$45,000
H				0181-0897	\$23,000
M				0181-0898	\$14,000
Line				0181-0900	\$100,000
Fidin				0181-0906	\$60,000
C				0181-0908	\$8,000
E				0181-0909	\$50,000
P				0181-0910	\$35,000
				0181-0920	\$75,000
TOTAL			\$466,800		\$841,700
TOTAL			\$3,272,400		\$6,250,200
TOTAL					
TOTAL			\$9,522,600		

any proportionate share of the premium.
 and, clean up and redrilling as estimated in Line Item 0180-0185.

well control insurance.

Date: 6/1/2018

Date: 6/1/2018

ature:

ATTACHMENT D

WOLF CAMP OIL COMPANY

EXPENDITURE

Prospect: **Wolfcamp**

County: **Eddy**

ST: **NM**

AP: **24S**

RNG: **27E**

Prop. TVD: **9197**

TMD: **16699**

	CODE	TCP	CODE	CC
	0180-0100	\$10,000	0180-0200	
	0180-0105	\$70,000	0180-0205	\$25,000
	0180-0106	\$200,000	0180-0206	\$30,000
	0180-0110	\$628,000	0180-0210	\$89,700
	0180-0114	\$141,000	0180-0214	\$385,000
	0180-0120	\$225,000	0180-0220	
			0180-0222	\$200,000
	0180-0125	\$150,000	0180-0225	\$30,000
	0180-0130	\$2,000	0180-0230	\$355,000
	0180-0134	\$20,000	0180-0234	\$80,000
	0180-0137	\$20,000		
			0180-0241	\$2,700,000
			0180-0242	\$150,000
	0180-0145	\$50,000	0180-0245	\$570,000
	0180-0148	\$81,000	0180-0248	\$8,000
	0180-0150	\$40,000	0180-0250	\$5,000
	0180-0154		0180-0254	\$10,000
	0180-0158	\$15,000	0180-0258	\$30,000
			0180-0260	\$10,500
	0180-0164	\$150,000		
	0180-0165	\$20,000	0180-0265	\$20,000
	0180-0168	\$5,000	0180-0268	\$15,000
	0180-0170	\$46,500	0180-0270	\$33,000
	0180-0175	\$252,000		
	0180-0180	\$243,000	0180-0280	\$30,000
	0180-0184	\$5,000	0180-0284	
	0180-0185	\$5,200	0180-0285	
	0180-0188	\$8,000	0180-0288	\$10,000
	0180-0190	\$5,000	0180-0290	
	0180-0192		0180-0292	\$5,000
			0180-0293	
	0180-0195	\$148,800	0180-0295	\$105,600
	0180-0196	\$10,000	0180-0296	\$20,000
	0180-0198		0180-0298	
	0180-0199	\$255,100	0180-0299	\$491,700
	TOTAL	\$2,805,600		\$5,408,500
	0181-0793			
ft	0181-0794	\$19,200		
	0181-0795	\$126,800		
	0181-0796	\$280,800		
/ft			0181-0797	\$116,500
ft			0181-0798	\$50,200
	0181-0860	\$40,000		
			0181-0870	\$30,000
			0181-0871	\$70,000
			0181-0875	
			0181-0880	
			0181-0884	\$15,000
			0181-0885	
ump			0181-0886	\$35,000
			0181-0890	\$55,000
			0181-0891	\$60,000
# Hor 3			0181-0895	\$45,000
			0181-0897	\$23,000
			0181-0898	\$14,000
Mile 12"			0181-0900	\$100,000
			0181-0906	\$60,000
			0181-0908	\$8,000
			0181-0909	\$50,000
			0181-0910	\$35,000
			0181-0920	\$75,000
	TOTAL	\$466,800		\$841,700
	\$ TOTAL	\$3,272,400		\$6,250,200
AL WELL COST		\$9,522,600		

ance and pro rata proportionate share of the premium.
costs of well clean up, and redrilling as estimated in Line Item 0180-0185.

ered by Operator for control insurance.

Date: **6/1/2018**

Date: **6/1/2018**

Signature:

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

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

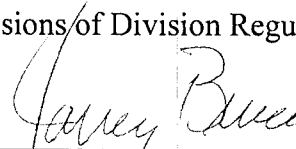
Case No. 16498

AFFIDAVIT OF NOTICE

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

James Bruce, being duly sworn upon his oath, deposes and states:

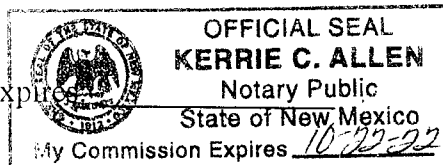
1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am an attorney for Mewbourne Oil Company.
3. Mewbourne Oil Company has conducted a good faith, diligent effort to find the names and correct addresses of the interest owners entitled to receive notice of the application 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 Regulations.

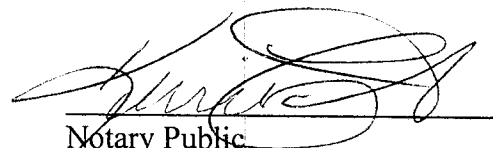


James Bruce

SUBSCRIBED AND SWORN TO before me this 9th day of January, 2019 by
James Bruce.

My Commission Expires





Notary Public

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

October 26, 2018

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

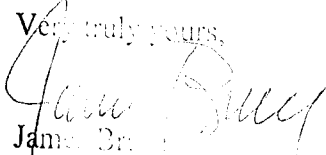
Ladies and gentlemen:

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 W/2 of Section 2 and the NW/4 of Section 11, Township 24 South, Range 27 East, NMPM, Eddy County, New Mexico.

This matter is scheduled for hearing at 8:15 a.m. on Thursday, November 15, 2018, 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, November 8, 2018. 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

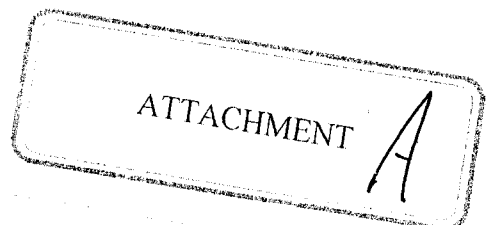


EXHIBIT A

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

7018 2290 0001 5021 1748

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 \$ _____

Total Postage and Fees \$ _____

Sent To
 Street and Apt. No., or P.O. Box
 Marathon Oil Permian L.L.C.
 5555 San Felipe Street
 Houston, Texas 77056

City, State, ZIP+4® _____

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

Postmark
Here

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:

Marathon Oil Permian L.L.C.
 5555 San Felipe Street
 Houston, Texas 77056



9590 9402 3866 8060 2390 16

2. Article Number (Transfer from address label)

7018 2290 0001 5021 1748

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

Richard Vargan

☐ Agent

☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

Richard Vargan

11/8/18

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
- ☐ Collect on Delivery Restricted Delivery

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

(over \$500)

Restricted Delivery

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

M - So Low

Domestic Return Receipt

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

**APPLICATION OF MEWBOURNE OIL COMPANY
FOR A NON-STANDARD OIL SPACING AND
PRORATION UNIT AND COMPULSORY POOLING,
EDDY COUTNY, NEW MEXICO.**

Case No. 16498

VERIFIED STATEMENT OF CHARLES CROSBY

COUNTY OF MIDLAND

)
) ss.
)

STATE OF TEXAS

Charles Crosby, 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 top of the Wolfcamp formation. It shows that structure dips gently to the east. It also shows a line of cross-section.
 - (b) Attachment B is a north-south cross section. The well logs on the cross-section give a representative sample of the entire Wolfcamp section in the area. The test zone for the South Loving 2/11 W0CF State 1H and South Loving 2/11 W0DE State 1H is the Wolfcamp Sand. The target interval is highlighted on the right side of the cross-section. The Wolfcamp Sand 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-quarter section in the unit will contribute more or less equally to production.
 - (c) There is no faulting or other geologic impediment on the area which will affect the drilling of the subject well.

EXHIBIT

3

5. Attachment C contains information from other wells drilled in this area. Wells with similar time online and similar completions don't show any major differences in production volumes and appear to be commercial regardless of standup or laydown orientation.

6. Attachment E are the Survey Calculation Reports for the South Loving 2/11 W0CF State 1H and the South Loving 2/11 W0DE State 1H. The producing interval of the wells will be orthodox.

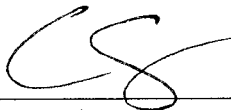


Charles Crosby

VERIFICATION

STATE OF TEXAS)
) ss.
COUNTY OF MIDLAND)

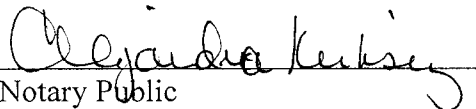
Charles Crosby, being duly sworn upon his oath, deposes and states that: He is a geologist for Mewbourne Oil Company; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of his knowledge,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



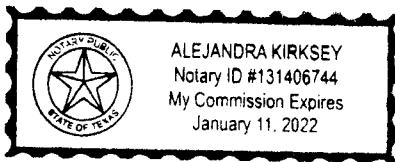
Charles Crosby

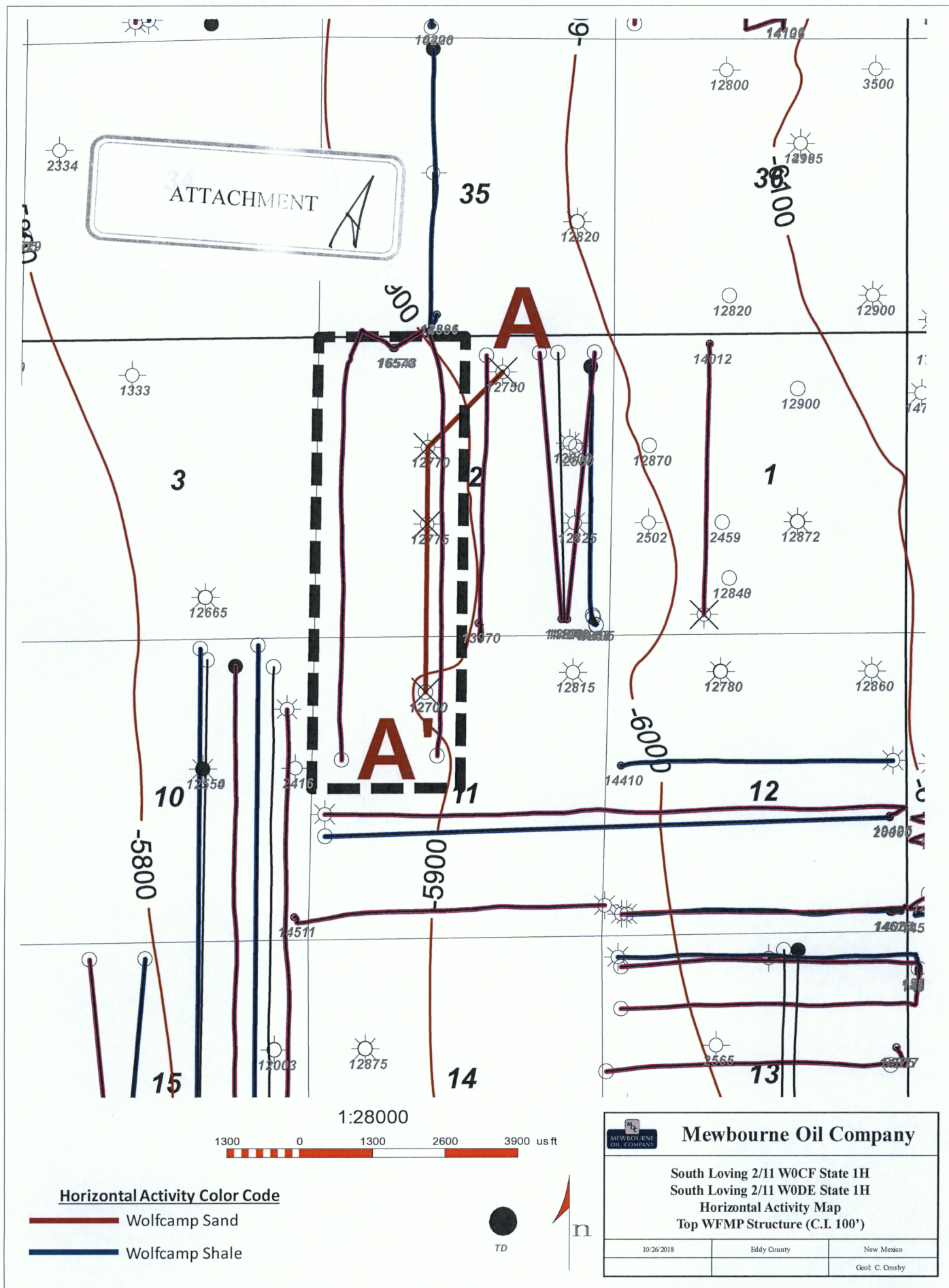
SUBSCRIBED AND SWORN TO before me this 29th day of October, 2018 by Charles Crosby.

My Commission Expires: January 11, 2022

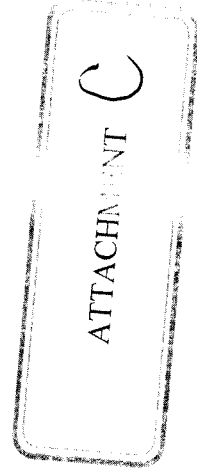


Notary Public





South Loving Area WFMP Horizontal Production Table									
Well Name	Operator	API	Location	WFMP Comp Date	Cum Oil (Mbo)	Cum Gas (BCF)	Cum Water (mbw)	NS/EW	WFMP Zone
Rustler Breaks 12 24 27 1H	Matador	30015417750000	12P/24S/27E	3/4/2014	139.1	1.2	535.8	EW	WFMP Shale
Black River 10 State Com 2H	Marathon	30015427280000	15P/24S/27E	3/17/2018	44.9	0.9	204.1	NS	WFMP Sand
El Presidente State 3H	Marathon	30015427690000	2P/24S/27E	7/13/2015	91.6	0.8	460.2	NS	WFMP Shale
West Loving 12 W23H State Com 1H	Mewbourne	30015428520000	12E/24S/27E	5/21/2017	105.9	0.7	438.1	EW	WFMP Shale
Rustler Breaks 12 24 27 204H	Matador	30015431940000	12P/24S/27E	3/27/2017	170.9	0.4	702.8	EW	WFMP Sand
Chopper State 3H	COG	30015434180000	1C/24S/27E	7/10/2016	154.9	0.3	555.7	NS	WFMP Sand
Forehand Ranch 35 Federal 1H	Matador	30015434900100	35N/23S/27E	10/26/2017	37.1	0.4	130.2	NS	WFMP Shale
Brantley State Com 13 24 27 RB 221H	Matador	30015437740100	18D/24S/28E	3/20/2017	66.9	1.8	318.6	EW	WFMP Shale
Black River 15 10 State Com X 4H	Marathon	30015439590000	15P/24S/27E	5/1/2017	276.7	0.5	1313.2	NS	WFMP Sand
Switchback State 21H	COG	30015439670000	10P/24S/27E	3/30/2017	155.6	0.4	555.2	EW	WFMP Sand
David Edelstein State Com 203H	Matador	30015446820000	12I/24S/27E	7/7/2018	40.5	0.06	112.9	EW	WFMP Sand
El Presidente State X 4H	Marathon	30015441650000	2O/24S/27E	9/28/2017	Pending				WFMP Sand
Black River 15 10 State Com 3H	Marathon	30015439600000	15O/24S/27E	Pending				NS	WFMP Shale
Black River 15 10 State Com X 6H	Marathon	30015440690000	15P/24S/27E	Pending				NS	WFMP Shale
El Presidente State 24 27 2 WA 5H	Marathon	30015444830000	2P/24S/27E	Pending				NS	WFMP Shale
El Presidente State 24 27 2 WXY 10H	Marathon	30015444850000	2P/24S/27E	Pending				NS	WFMP Sand
Black River 374 State 24 27 15 WXY 3H	Marathon	30015445040000	15N/24S/27E	Pending				NS	WFMP Sand
Black River 374 State 24 27 15 WA 8H	Marathon	30015445050000	15N/24S/27E	Pending				NS	WFMP Shale
Brantley State Com 13 24 27 RB 206H	Matador	30015445970100	13H/24S/27E	Pending				EW	WFMP Sand
Brantley State Com 13 24 27 RB 205H	Matador	30015447420000	18D/24S/28E	Pending				EW	WFMP Sand
Brantley State Com 13 24 27 RB 211H	Matador	30015447430000	18D/24S/28E	Pending				EW	WFMP Sand
David Edelstein State Com 223H	Matador	30015451430000	12I/24S/27E	Pending				EW	WFMP Shale
South Loving 2 11 W0CF State Com 1H	Mewbourne	30015449670000	2C/24S/27E	Pending				NS	WFMP Sand
South Loving 2 11 W0DE State Com 1H	Mewbourne	30015450190000	2C/24S/27E	Pending				NS	WFMP Sand





MEWBOURNE
OIL COMPANY

5D Plan Report

Mewbourne Oil Company

Field Name: *Mewbourne Oil Company (Nad 83 NMEZ)*

Site Name: *South Loving 2/11 Pad*

Well Name: *South Loving 2/11 W0CF State Com 1H*

File number: *TBD*

Plan: *P1:V1*

20 June 2018

ATTACHMENT *P*



Weatherford®

5D Plan Report

Tie Point:					
MD: 0.00USFt	Inclination: 0.00°	Azimuth: 0.00°	TVD: 0.00USFt	North Offset: 0.00USFt	East Offset: 0.00USFt

Salient Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	Comment
0.00	0.00	0.00	0.00	-0.00	0.00	0.00	455848.70	593262.50	0.00	
600.00	0.00	0.00	600.00	-0.00	0.00	0.00	455848.70	593262.50	0.00	Nudge
1100.04	5.00	59.10	1099.40	-11.04	11.20	18.71	455859.90	593281.21	1.00	Hold
8740.84	5.00	59.10	8711.13	-348.33	353.19	590.13	456201.89	593852.63	0.00	KOP
9502.42	90.11	163.95	9197.52	101.28	-95.04	761.96	455753.66	594024.46	12.00	Turn
10327.10	90.11	180.44	9195.94	916.40	-909.27	873.54	454939.43	594136.04	2.00	Hold
16685.84	90.11	180.44	9184.00	7274.32	-7267.80	824.30	448580.90	594086.80	0.00	WOCF SC1H PBHL

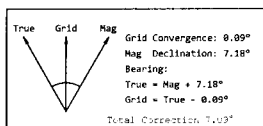
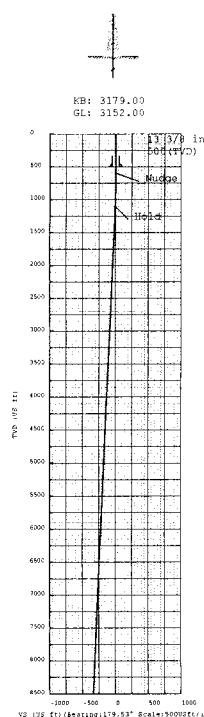
Interpolated Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	Comment
0.00	0.00	0.00	0.00	-0.00	0.00	0.00	455848.70	593262.50	0.00	
100.00	0.00	0.00	100.00	-0.00	0.00	0.00	455848.70	593262.50	0.00	
200.00	0.00	0.00	200.00	-0.00	0.00	0.00	455848.70	593262.50	0.00	
300.00	0.00	0.00	300.00	-0.00	0.00	0.00	455848.70	593262.50	0.00	
400.00	0.00	0.00	400.00	-0.00	0.00	0.00	455848.70	593262.50	0.00	
500.00	0.00	0.00	500.00	-0.00	0.00	0.00	455848.70	593262.50	0.00	13 3/8 in
600.00	0.00	0.00	600.00	-0.00	0.00	0.00	455848.70	593262.50	0.00	Nudge
700.00	1.00	59.10	699.99	-0.44	0.45	0.75	455849.15	593263.25	1.00	
800.00	2.00	59.10	799.96	-1.77	1.79	2.99	455850.49	593265.49	1.00	
900.00	3.00	59.10	899.86	-3.98	4.03	6.74	455852.73	593269.24	1.00	
1000.00	4.00	59.10	999.68	-7.07	7.17	11.98	455855.87	593274.48	1.00	
1100.00	5.00	59.10	1099.37	-11.04	11.20	18.71	455859.90	593281.21	1.00	
1100.04	5.00	59.10	1099.40	-11.04	11.20	18.71	455859.90	593281.21	0.00	Hold
1200.00	5.00	59.10	1198.99	-15.46	15.67	26.19	455864.37	593288.69	0.00	
1300.00	5.00	59.10	1298.60	-19.87	20.15	33.66	455868.85	593296.16	0.00	
1400.00	5.00	59.10	1398.22	-24.29	24.62	41.14	455873.32	593303.64	0.00	
1500.00	5.00	59.10	1497.84	-28.70	29.10	48.62	455877.80	593311.12	0.00	
1600.00	5.00	59.10	1597.46	-33.11	33.58	56.10	455882.28	593318.60	0.00	
1700.00	5.00	59.10	1697.08	-37.53	38.05	63.58	455886.75	593326.08	0.00	
1800.00	5.00	59.10	1796.70	-41.94	42.53	71.06	455891.23	593333.56	0.00	
1900.00	5.00	59.10	1896.32	-46.36	47.00	78.54	455895.70	593341.04	0.00	
2000.00	5.00	59.10	1995.94	-50.77	51.48	86.01	455900.18	593348.51	0.00	
2100.00	5.00	59.10	2095.56	-55.19	55.95	93.49	455904.65	593355.99	0.00	
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2300.00	5.00	59.10	2294.80	-64.01	64.91	108.45	455913.61	593370.95	0.00	
2400.00	5.00	59.10	2394.42	-68.43	69.38	115.93	455918.08	593378.43	0.00	
2500.00	5.00	59.10	2494.04	-72.84	73.86	123.41	455922.56	593385.91	0.00	
2600.00	5.00	59.10	2593.66	-77.26	78.33	130.89	455927.03	593393.39	0.00	
2700.00	5.00	59.10	2693.28	-81.67	82.81	138.36	455931.51	593400.86	0.00	
2800.00	5.00	59.10	2792.90	-86.09	87.28	145.84	455935.98	593408.34	0.00	
2900.00	5.00	59.10	2892.52	-90.50	91.76	153.32	455940.46	593415.82	0.00	
3000.00	5.00	59.10	2992.14	-94.91	96.24	160.80	455944.94	593423.30	0.00	
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3300.00	5.00	59.10	3290.99	-108.16	109.66	183.23	455958.36	593445.73	0.00	
3400.00	5.00	59.10	3390.61	-112.57	114.14	190.71	455962.84	593453.21	0.00	
3500.00	5.00	59.10	3490.23	-116.99	118.62	198.19	455967.32	593460.69	0.00	
3600.00	5.00	59.10	3589.85	-121.40	123.09	205.67	455971.79	593468.17	0.00	
3700.00	5.00	59.10	3689.47	-125.81	127.57	213.15	455976.27	593475.65	0.00	
3800.00	5.00	59.10	3789.09	-130.23	132.04	220.63	455980.74	593483.13	0.00	
3900.00	5.00	59.10	3888.71	-134.64	136.52	228.11	455985.22	593490.61	0.00	
4000.00	5.00	59.10	3988.33	-139.06	140.99	235.58	455989.69	593498.08	0.00	
4100.00	5.00	59.10	4087.95	-143.47	145.47	243.06	455994.17	593505.56	0.00	
4200.00	5.00	59.10	4187.57	-147.89	149.95	250.54	455998.65	593513.04	0.00	

5D Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Drill Floor)										Comment
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	
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10100.00	90.11	175.90	9196.37	689.42	-682.34	866.30	455166.36	594128.80	2.00	
10200.00	90.11	177.90	9196.18	789.31	-782.19	871.71	455066.51	594134.21	2.00	
10300.00	90.11	179.90	9195.99	889.30	-882.16	873.62	454966.54	594136.12	2.00	
10327.10	90.11	180.44	9195.94	916.40	-909.27	873.54	454939.43	594136.04	2.00	Hold
10400.00	90.11	180.44	9195.80	989.29	-982.16	872.98	454866.54	594135.48	0.00	
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12700.00	90.11	180.44	9191.48	3288.99	-3282.09	855.17	452566.61	594117.67	0.00	
12800.00	90.11	180.44	9191.30	3388.98	-3382.08	854.39	452466.62	594116.89	0.00	
12900.00	90.11	180.44	9191.11	3488.97	-3482.08	853.62	452366.62	594116.12	0.00	
13000.00	90.11	180.44	9190.92	3588.95	-3582.08	852.84	452266.62	594115.34	0.00	
13100.00	90.11	180.44	9190.73	3688.94	-3682.08	852.07	452166.62	594114.57	0.00	
13200.00	90.11	180.44	9190.54	3788.93	-3782.07	851.29	452066.63	594113.79	0.00	
13300.00	90.11	180.44	9190.36	3888.92	-3882.07	850.52	451966.63	594113.02	0.00	
13400.00	90.11	180.44	9190.17	3988.90	-3982.07	849.75	451866.63	594112.25	0.00	
13500.00	90.11	180.44	9189.98	4088.89	-4082.06	848.97	451766.64	594111.47	0.00	
13600.00	90.11	180.44	9189.79	4188.88	-4182.06	848.20	451666.64	594110.70	0.00	
13700.00	90.11	180.44	9189.61	4288.86	-4282.06	847.42	451566.64	594109.92	0.00	
13800.00	90.11	180.44	9189.42	4388.85	-4382.05	846.65	451466.65	594109.15	0.00	
13900.00	90.11	180.44	9189.23	4488.84	-4482.05	845.87	451366.65	594108.37	0.00	
14000.00	90.11	180.44	9189.04	4588.82	-4582.05	845.10	451266.65	594107.60	0.00	
14100.00	90.11	180.44	9188.85	4688.81	-4682.04	844.32	451166.66	594106.82	0.00	
14200.00	90.11	180.44	9188.67	4788.80	-4782.04	843.55	451066.66	594106.05	0.00	
14300.00	90.11	180.44	9188.48	4888.79	-4882.04	842.78	450966.66	594105.28	0.00	
14400.00	90.11	180.44	9188.29	4988.77	-4982.03	842.00	450866.67	594104.50	0.00	
14500.00	90.11	180.44	9188.10	5088.76	-5082.03	841.23	450766.67	594103.73	0.00	
14600.00	90.11	180.44	9187.92	5188.75	-5182.03	840.45	450666.67	594102.95	0.00	
14700.00	90.11	180.44	9187.73	5288.73	-5282.02	839.68	450566.68	594102.18	0.00	
14800.00	90.11	180.44	9187.54	5388.72	-5382.02	838.90	450466.68	594101.40	0.00	
14900.00	90.11	180.44	9187.35	5488.71	-5482.02	838.13	450366.68	594100.63	0.00	
15000.00	90.11	180.44	9187.17	5588.70	-5582.01	837.36	450266.69	594099.86	0.00	
15100.00	90.11	180.44	9186.98	5688.68	-5682.01	836.58	450166.69	594099.08	0.00	
15200.00	90.11	180.44	9186.79	5788.67	-5782.01	835.81	450066.69	594098.31	0.00	
15300.00	90.11	180.44	9186.60	5888.66	-5882.01	835.03	449966.69	594097.53	0.00	
15400.00	90.11	180.44	9186.41	5988.64	-5982.00	834.26	449866.70	594096.76	0.00	
15500.00	90.11	180.44	9186.23	6088.63	-6082.00	833.48	449766.70	594095.98	0.00	
15600.00	90.11	180.44	9186.04	6188.62	-6182.00	832.71	449666.70	594095.21	0.00	
15700.00	90.11	180.44	9185.85	6288.61	-6281.99	831.93	449566.71	594094.43	0.00	



Mewbourne Oil Company
South Loving 2/11 W0CF State Com 1H
Eddy Co, NM
Plan P1:V1



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Plan Data for South Loving 2/11 WCKF State Coam IH

Field: Newbourne Oil Company (Nad 83 NME2)
Map Unit: USFT Vertical Reference Datum (VRD): Mean Sea Level
Projected Coordinate System: NAD83 / New Mexico Alas2 (FUS)

Site: South Loving 2/11 PD
Unit: USFT VRD Reference:
Company Name: Newbourne Oil Company
Position:
    Northing: 455848.40USft Latitude: 32.253091°
    Easting: 593262.50USft Longitude: -104.1656461°
    North Reference: Grid North Convergence: 0.69°
    Elevation Above VRD: 3152.00USft
    Comment: Eddy Co., NH

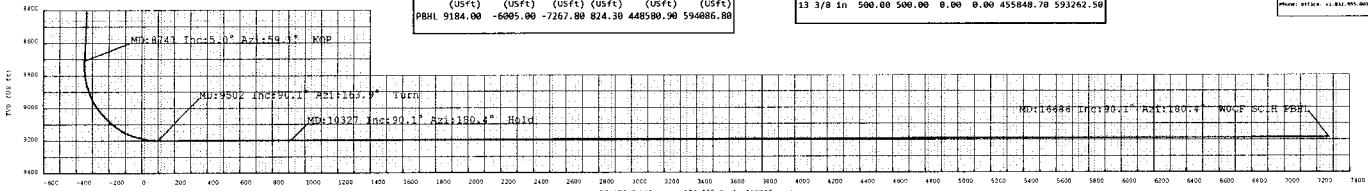
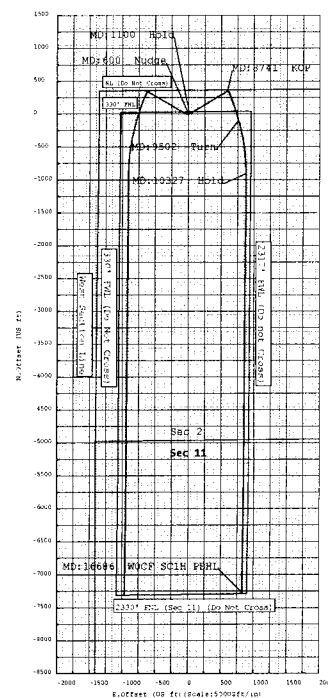
Slot: South Loving 2/11 WCKF State Coam IH
Position:
    Offset: 15 ft from site centre
    Northing: 455848.78USft Latitude: 32.253092°
    Easting: 593262.50USft Longitude: -104.1656364°
    Elevation Above VRD: 3152.00USft

Well: South Loving 2/11 WCKF State Coam IH
Type: Main-Well
File Number: TRD

Plan Folder: P1 Plan: P1v1
Vertical Section: Position offset of origin from slot centre:
    +/-S: 0.00USft Azimuth: 179.53°
    +/-W: 0.00USft

Magnetic Parameters:
Model: Field Strength: Declination: Dip: Date:
bggm2018 47835(nT) 7.18° 59.93° 2018-07-25
Comment: Patterson 237
    
```

Plan Data for South Loving /2/11 MCF State Co 1H												
Plan Point Information												
Digging Severity Utility = /1900,00/ Position offsets from Vlot centre												
Az	MD	Inc	TD	W/S	N/S	E/W	Northing	Eastings	Vlot	D/S	Comments	
(Usft)	(")	(")	(Usft)	(Usft)	(Usft)	(Usft)	(Usft)	(Usft)	(Usft)	(Usft)	(Usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	455848.70	593262.50	0.00	0.00		
600.00	0.00	0.00	0.00	0.00	0.00	0.00	455848.70	593262.50	0.00	0.00		
1180.04	5.00	59.10	8999.18			11.28	18.71	455859.80	593281.21	-11.04	1.00	
8740.54	5.00	59.10	10711.33			353.19	59.13	456201.89	593263.63	-348.33	0.00	KOP
6900.42	0.00	0.00	1199.52			395.04	761.00	455832.66	593263.66	0.00	22.00	Turn
10327.10	90.11	180.04	9185.44			-909.27	87.54	454939.43	594416.06	91.56	2.00	100
10685.84	90.11	180.04	9195.04			-7267.80	82.30	448590.90	594801.80	97.24	0.00	MCF SCIN PHIL



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Plan Data for South Loving 2/11 WQCF State Com 1H

Target Set Information:
Name: WQCF 5C1H
Position offsets from Slot centre

Name      TVD Elevation      +N/-S      +E/-W      Northing      Easting
(Usft)    (Usft)    (Usft)    (Usft)    (Usft)    (Usft)
PBHL 9184.00 -6005.00 -7267.80 824.30 448590.90 594086.80

```

Plan Data for South Loving 2/11 WOCF State Com 1H					
Casing Point Information:					
Position offsets from Slot centre					
Name	MD	TVD +N/-S	+E/-W	Northing	Easting
	(USft)	(USft)	(USft)	(USft)	(USft)
13 3/8 in	500.00	500.00	0.00	0.00	455848.70 593262.50

Drawing #y: Ty Hardin Date: 20 June 2018
Office Name: Drilling Services - Houston
Address: 32581 Curtiss Road
Houston, TX 77066
Phone: Office: +1.832.955.0032 Cell: +1.713.882.8256

**5D Plan Report**

Mewbourne Oil Company**Field Name:** *Mewbourne Oil Company (Nad 83 NMEZ)***Site Name:** *South Loving 2/11 Pad***Well Name:** *South Loving 2/11 W0DE State Com 1H***File number:** *TBD***Plan:** *P1:V1*

20 June 2018



5D Plan Report

Tie Point:									
MD: 0.00USFt	Inclination: 0.00°	Azimuth: 0.00°	TVD: 0.00USFt	North Offset: 0.00USFt	East Offset: 0.00USFt				

Salient Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	Comment
0.00	0.00	0.00	0.00	-0.00	0.00	0.00	455848.40	593232.50	0.00	
600.00	0.00	0.00	600.00	-0.00	0.00	0.00	455848.40	593232.50	0.00	Nudge
1100.03	5.00	300.20	1099.39	-8.48	10.97	-18.85	455859.37	593213.65	1.00	Hold
8690.02	5.00	300.20	8660.50	-265.78	343.72	-590.57	456192.12	592641.93	0.00	KOP
9449.97	90.02	196.60	9146.00	198.82	-102.11	-766.58	455746.29	592465.92	12.00	Turn
10257.86	90.02	180.44	9145.75	1003.85	-898.43	-885.89	454949.97	592346.61	2.00	Hold
16646.92	90.02	180.44	9144.00	7347.06	-7287.30	-935.20	448561.10	592297.30	0.00	WODE SC1H

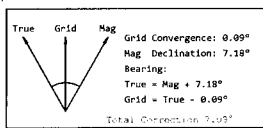
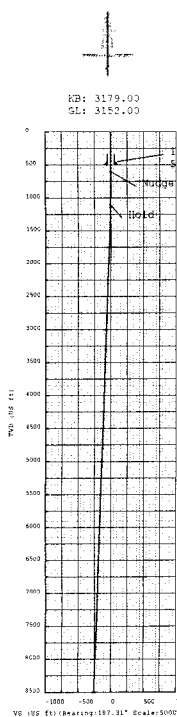
Interpolated Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	Comment
0.00	0.00	0.00	0.00	-0.00	0.00	0.00	455848.40	593232.50	0.00	
100.00	0.00	0.00	100.00	-0.00	0.00	0.00	455848.40	593232.50	0.00	
200.00	0.00	0.00	200.00	-0.00	0.00	0.00	455848.40	593232.50	0.00	
300.00	0.00	0.00	300.00	-0.00	0.00	0.00	455848.40	593232.50	0.00	
400.00	0.00	0.00	400.00	-0.00	0.00	0.00	455848.40	593232.50	0.00	
500.00	0.00	0.00	500.00	-0.00	0.00	0.00	455848.40	593232.50	0.00	13 3/8 in
600.00	0.00	0.00	600.00	-0.00	0.00	0.00	455848.40	593232.50	0.00	Nudge
700.00	1.00	300.20	699.99	-0.34	0.44	-0.75	455848.84	593231.75	1.00	
800.00	2.00	300.20	799.96	-1.36	1.76	-3.02	455850.16	593229.48	1.00	
900.00	3.00	300.20	899.86	-3.05	3.95	-6.79	455852.35	593225.71	1.00	
1000.00	4.00	300.20	999.68	-5.43	7.02	-12.06	455855.42	593220.44	1.00	
1100.00	5.00	300.20	1099.37	-8.48	10.97	-18.84	455859.37	593213.66	1.00	
1100.03	5.00	300.20	1099.39	-8.48	10.97	-18.84	455859.37	593213.66	0.00	Hold
1200.00	5.00	300.20	1198.99	-11.87	15.35	-26.38	455863.75	593206.12	0.00	
1300.00	5.00	300.20	1298.60	-15.26	19.74	-33.91	455868.14	593198.59	0.00	
1400.00	5.00	300.20	1398.22	-18.65	24.12	-41.44	455872.52	593191.06	0.00	
1500.00	5.00	300.20	1497.84	-22.04	28.50	-48.97	455876.90	593183.53	0.00	
1600.00	5.00	300.20	1597.46	-25.43	32.89	-56.51	455881.29	593175.99	0.00	
1700.00	5.00	300.20	1697.08	-28.82	37.27	-64.04	455885.67	593168.46	0.00	
1800.00	5.00	300.20	1796.70	-32.21	41.66	-71.57	455890.06	593160.93	0.00	
1900.00	5.00	300.20	1896.32	-35.60	46.04	-79.10	455894.44	593153.40	0.00	
2000.00	5.00	300.20	1995.94	-38.99	50.42	-86.64	455898.82	593145.86	0.00	
2100.00	5.00	300.20	2095.56	-42.38	54.81	-94.17	455903.21	593138.33	0.00	
2200.00	5.00	300.20	2195.18	-45.77	59.19	-101.70	455907.59	593130.80	0.00	
2300.00	5.00	300.20	2294.80	-49.16	63.58	-109.23	455911.98	593123.27	0.00	
2400.00	5.00	300.20	2394.42	-52.55	67.96	-116.77	455916.36	593115.73	0.00	
2500.00	5.00	300.20	2494.04	-55.94	72.34	-124.30	455920.74	593108.20	0.00	
2600.00	5.00	300.20	2593.66	-59.33	76.73	-131.83	455925.13	593100.67	0.00	
2700.00	5.00	300.20	2693.28	-62.72	81.11	-139.37	455929.51	593093.13	0.00	
2800.00	5.00	300.20	2792.90	-66.11	85.50	-146.90	455933.90	593085.60	0.00	
2900.00	5.00	300.20	2892.52	-69.50	89.88	-154.43	455938.28	593078.07	0.00	
3000.00	5.00	300.20	2992.14	-72.89	94.26	-161.96	455942.66	593070.54	0.00	
3100.00	5.00	300.20	3091.76	-76.28	98.65	-169.50	455947.05	593063.00	0.00	
3200.00	5.00	300.20	3191.37	-79.67	103.03	-177.03	455951.43	593055.47	0.00	
3300.00	5.00	300.20	3290.99	-83.06	107.42	-184.56	455955.82	593047.94	0.00	
3400.00	5.00	300.20	3390.61	-86.45	111.80	-192.09	455960.20	593040.41	0.00	
3500.00	5.00	300.20	3490.23	-89.84	116.19	-199.63	455964.59	593032.87	0.00	
3600.00	5.00	300.20	3589.85	-93.23	120.57	-207.16	455968.97	593025.34	0.00	
3700.00	5.00	300.20	3689.47	-96.62	124.95	-214.69	455973.35	593017.81	0.00	
3800.00	5.00	300.20	3789.09	-100.01	129.34	-222.22	455977.74	593010.28	0.00	
3900.00	5.00	300.20	3888.71	-103.40	133.72	-229.76	455982.12	593002.74	0.00	
4000.00	5.00	300.20	3988.33	-106.79	138.11	-237.29	455986.51	592995.21	0.00	
4100.00	5.00	300.20	4087.95	-110.18	142.49	-244.82	455990.89	592987.68	0.00	
4200.00	5.00	300.20	4187.57	-113.57	146.87	-252.36	455995.27	592980.14	0.00	

5D Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Drill Floor)										Comment
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N. Offset (US ft)	E. Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	
10000.00	90.02	185.60	9145.82	746.80	-641.02	-872.30	455207.38	592360.20	2.00	Hold
10100.00	90.02	183.60	9145.79	846.68	-740.69	-880.32	455107.71	592352.18	2.00	
10200.00	90.02	181.60	9145.76	946.34	-840.58	-884.86	455007.82	592347.64	2.00	
10257.86	90.02	180.44	9145.75	1003.85	-898.43	-885.89	454949.97	592346.61	2.00	
10300.00	90.02	180.44	9145.73	1045.69	-940.57	-886.21	454907.83	592346.29	0.00	
10400.00	90.02	180.44	9145.71	1144.97	-1040.57	-886.98	454807.83	592345.52	0.00	
10500.00	90.02	180.44	9145.68	1244.25	-1140.57	-887.76	454707.83	592344.74	0.00	
10600.00	90.02	180.44	9145.65	1343.54	-1240.56	-888.53	454607.84	592343.97	0.00	
10700.00	90.02	180.44	9145.63	1442.82	-1340.56	-889.30	454507.84	592343.20	0.00	
10800.00	90.02	180.44	9145.60	1542.10	-1440.56	-890.07	454407.84	592342.43	0.00	
10900.00	90.02	180.44	9145.57	1641.38	-1540.56	-890.84	454307.84	592341.66	0.00	
11000.00	90.02	180.44	9145.54	1740.67	-1640.55	-891.61	454207.85	592340.89	0.00	
11100.00	90.02	180.44	9145.52	1839.95	-1740.55	-892.39	454107.85	592340.11	0.00	
11200.00	90.02	180.44	9145.49	1939.23	-1840.55	-893.16	454007.85	592339.34	0.00	
11300.00	90.02	180.44	9145.46	2038.51	-1940.54	-893.93	453907.86	592338.57	0.00	
11400.00	90.02	180.44	9145.43	2137.80	-2040.54	-894.70	453807.86	592337.80	0.00	
11500.00	90.02	180.44	9145.41	2237.08	-2140.54	-895.47	453707.86	592337.03	0.00	
11600.00	90.02	180.44	9145.38	2336.36	-2240.53	-896.25	453607.87	592336.25	0.00	
11700.00	90.02	180.44	9145.35	2435.64	-2340.53	-897.02	453507.87	592335.48	0.00	
11800.00	90.02	180.44	9145.32	2534.92	-2440.53	-897.79	453407.87	592334.71	0.00	
11900.00	90.02	180.44	9145.30	2634.21	-2540.53	-898.56	453307.87	592333.94	0.00	
12000.00	90.02	180.44	9145.27	2733.49	-2640.52	-899.33	453207.88	592333.17	0.00	
12100.00	90.02	180.44	9145.24	2832.77	-2740.52	-900.11	453107.88	592332.39	0.00	
12200.00	90.02	180.44	9145.22	2932.05	-2840.52	-900.88	453007.88	592331.62	0.00	
12300.00	90.02	180.44	9145.19	3031.34	-2940.51	-901.65	452907.89	592330.85	0.00	
12400.00	90.02	180.44	9145.16	3130.62	-3040.51	-902.42	452807.89	592330.08	0.00	
12500.00	90.02	180.44	9145.13	3229.90	-3140.51	-903.19	452707.89	592329.31	0.00	
12600.00	90.02	180.44	9145.11	3329.18	-3240.50	-903.96	452607.90	592328.54	0.00	
12700.00	90.02	180.44	9145.08	3428.47	-3340.50	-904.74	452507.90	592327.76	0.00	
12800.00	90.02	180.44	9145.05	3527.75	-3440.50	-905.51	452407.90	592326.99	0.00	
12900.00	90.02	180.44	9145.02	3627.03	-3540.50	-906.28	452307.90	592326.22	0.00	
13000.00	90.02	180.44	9145.00	3726.31	-3640.49	-907.05	452207.91	592325.45	0.00	
13100.00	90.02	180.44	9144.97	3825.60	-3740.49	-907.82	452107.91	592324.68	0.00	
13200.00	90.02	180.44	9144.94	3924.88	-3840.49	-908.60	452007.91	592323.90	0.00	
13300.00	90.02	180.44	9144.91	4024.16	-3940.48	-909.37	451907.92	592323.13	0.00	
13400.00	90.02	180.44	9144.89	4123.44	-4040.48	-910.14	451807.92	592322.36	0.00	
13500.00	90.02	180.44	9144.86	4222.73	-4140.48	-910.91	451707.92	592321.59	0.00	
13600.00	90.02	180.44	9144.83	4322.01	-4240.47	-911.68	451607.93	592320.82	0.00	
13700.00	90.02	180.44	9144.81	4421.29	-4340.47	-912.45	451507.93	592320.05	0.00	
13800.00	90.02	180.44	9144.78	4520.57	-4440.47	-913.23	451407.93	592319.27	0.00	
13900.00	90.02	180.44	9144.75	4619.86	-4540.47	-914.00	451307.93	592318.50	0.00	
14000.00	90.02	180.44	9144.72	4719.14	-4640.46	-914.77	451207.94	592317.73	0.00	
14100.00	90.02	180.44	9144.70	4818.42	-4740.46	-915.54	451107.94	592316.96	0.00	
14200.00	90.02	180.44	9144.67	4917.70	-4840.46	-916.31	451007.94	592316.19	0.00	
14300.00	90.02	180.44	9144.64	5016.99	-4940.45	-917.09	450907.95	592315.41	0.00	
14400.00	90.02	180.44	9144.61	5116.27	-5040.45	-917.86	450807.95	592314.64	0.00	
14500.00	90.02	180.44	9144.59	5215.55	-5140.45	-918.63	450707.95	592313.87	0.00	
14600.00	90.02	180.44	9144.56	5314.83	-5240.44	-919.40	450607.96	592313.10	0.00	
14700.00	90.02	180.44	9144.53	5414.12	-5340.44	-920.17	450507.96	592312.33	0.00	
14800.00	90.02	180.44	9144.50	5513.40	-5440.44	-920.94	450407.96	592311.56	0.00	
14900.00	90.02	180.44	9144.48	5612.68	-5540.44	-921.72	450307.96	592310.78	0.00	
15000.00	90.02	180.44	9144.45	5711.96	-5640.43	-922.49	450207.97	592310.01	0.00	
15100.00	90.02	180.44	9144.42	5811.25	-5740.43	-923.26	450107.97	592309.24	0.00	
15200.00	90.02	180.44	9144.40	5910.53	-5840.43	-924.03	450007.97	592308.47	0.00	
15300.00	90.02	180.44	9144.37	6009.81	-5940.42	-924.80	449907.98	592307.70	0.00	
15400.00	90.02	180.44	9144.34	6109.09	-6040.42	-925.58	449807.98	592306.92	0.00	
15500.00	90.02	180.44	9144.31	6208.38	-6140.42	-926.35	449707.98	592306.15	0.00	
15600.00	90.02	180.44	9144.29	6307.66	-6240.41	-927.12	449607.99	592305.38	0.00	
15700.00	90.02	180.44	9144.26	6406.94	-6340.41	-927.89	449507.99	592304.61	0.00	



Mewbourne Oil Company
South Loving 2/11 W0DE State Com 1H
Eddy Co, NM
Plan P1:V1



Plan Data for South Loving 2/11 W0DE State Com 1H

Field: Mewbourne Oil Company (Mad 83 NME2)
Map Unit: USFT Vertical Reference Datum (VRD): Mean Sea Level
Projected Coordinate System: NAD83 / New Mexico East (ftUS)

Site: South Loving 2/11 Pad
Unit: USFT
TVD Reference:
Company Name: Mewbourne Oil Company
Position: Northing: 455848.40USft Latitude: 32.253891°
Easting: 593232.50USft Longitude: -104.165461°
North Reference: Grid Grid Convergence: 0.09°
Elevation Above VRD: 3152.00USft
Comment: Eddy Co., NM

Slot: South Loving 2/11 W0DE State Com 1H
Position:
Offset is from Slot centre
+N/-S: 0.00USft Northing: 455848.40USft Latitude: 32.253891°
+E/-W: 0.00USft Easting: 593232.50USft Longitude: -104.165461°
Elevation Above VRD: 3152.00USft

Well: South Loving 2/11 W0DE State Com 1H
Type: Main-Well
File Number: TBD

Plan Folder: P1 Plan: P1:V1
Vertical Section: Position offset of origin from Slot centre:
+N/-S: 0.00USft Azimuth: 187.31°

Magnetic Parameters:
Model: Field Strength: Declination: Dip: Date:
bgm2018 47839(nT) 7.18° 59.93° 2018-07-10
Comment: Patterson 217

Plan Data for South Loving 2/11 W0DE State Com 1H

Plan Point Information:

MD	Inc	Az	TVD	+N/-S	+E/-W	Northing	Easting	Vsec	DLS	Comments
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	(DLSU)	
0.00	0.00	0.00	0.00	0.00	0.00	455848.40	593232.50	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	455848.40	593232.50	0.00	0.00	Nudge
1100.03	5.00	300.20	1099.39	10.97	-18.85	455859.37	593213.65	-8.48	1.00	Hold
8690.02	5.00	300.20	8660.50	343.72	-590.57	456192.12	592641.93	-265.78	0.00	KOP
9445.97	90.02	196.60	9146.00	-182.11	766.58	455746.29	592465.92	398.82	12.00	Turn
10257.06	90.02	180.44	9145.75	-898.43	-805.89	454849.97	592346.61	1003.85	2.00	Hold
16646.92	90.02	180.44	9144.00	-7287.30	-935.20	448561.10	592297.30	7347.06	0.00	W0DE SC1H PBHL

Plan Data for South Loving 2/11 W0DE State Com 1H

Target Set Information:

Name: W0DE SC1H

Position offsets from Slot centre

Name	TVD	Elevation	+N/-S	+E/-W	Northing	Easting
(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	(USft)
PBHL	9144.00	-5965.00	-7287.30	-935.20	448561.10	592297.30

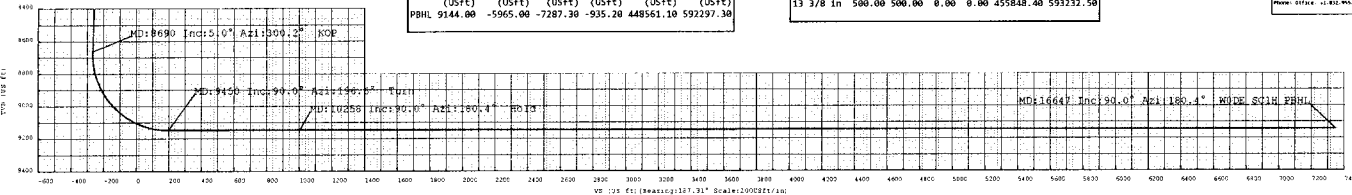
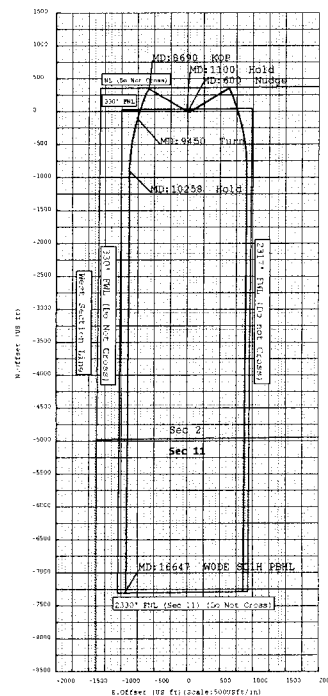
Plan Data for South Loving 2/11 W0DE State Com 1H

Casing Point Information:

Position offsets from Slot centre

Name	MD	TVD	+N/-S	+E/-W	Northing	Easting
(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	(USft)
13 3/8 in	500.00	500.00	0.00	0.00	455848.40	593232.50

Weatherford
11000 E. 11th Street
Midland, TX 79701
Phone: (817) 432-9600
Fax: (817) 432-9601



ATTACHMENT
B

A
N

TWP: 18 S - Range: 16 E - Sec. 10

660 PUL 1980 FEL

Datum=1985.00

PEOC STATE 2.1

PACIFIC ENTERPRISE OIL CO

3001528450000

TWP: 18 S - Range: 16 E - Sec. 10

660 PUL 1980 FEL

Datum=1985.00

SOUTH LOVING 2 STATE 1

MEMBOURNE OIL COMPANY

30015242310000

TWP: 18 S - Range: 16 E - Sec. 10

C NE SW

Datum=1985.00

MEMBOURNE OIL COMPANY

WEST LOVING 2 STATE 1

30015236500000

TWP: 18 S - Range: 16 E - Sec. 10

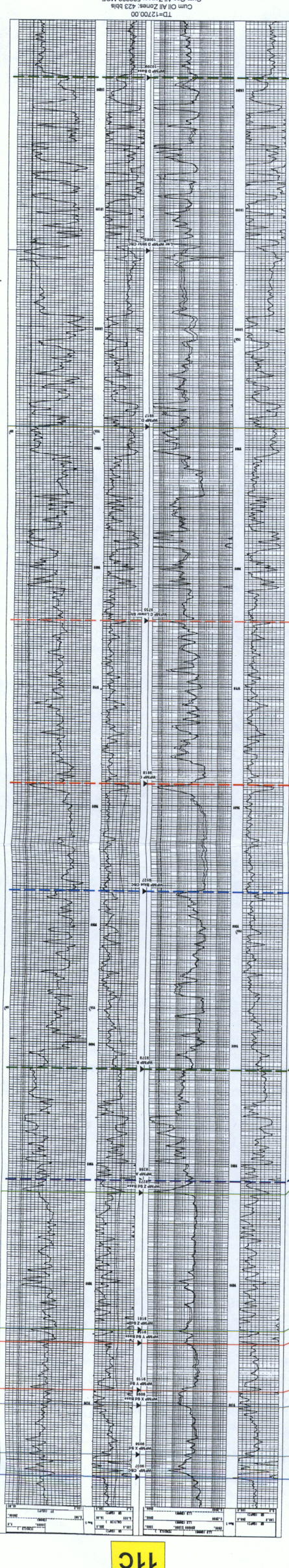
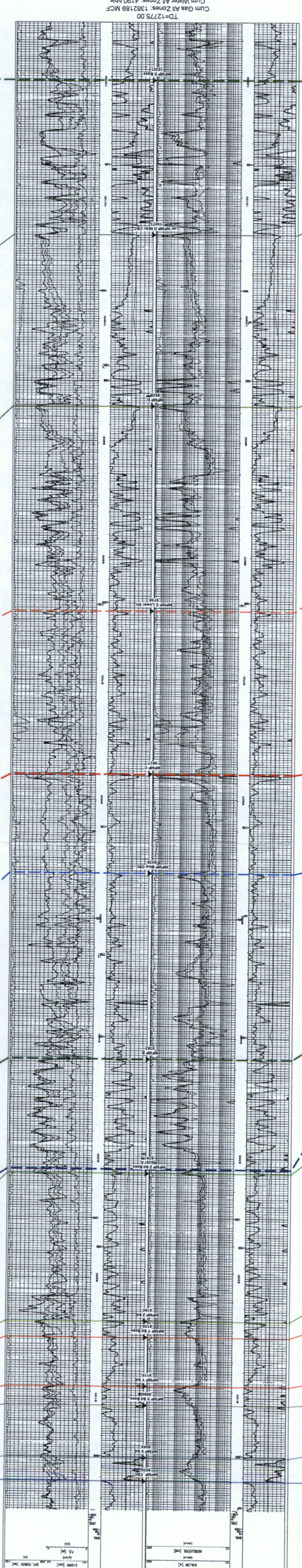
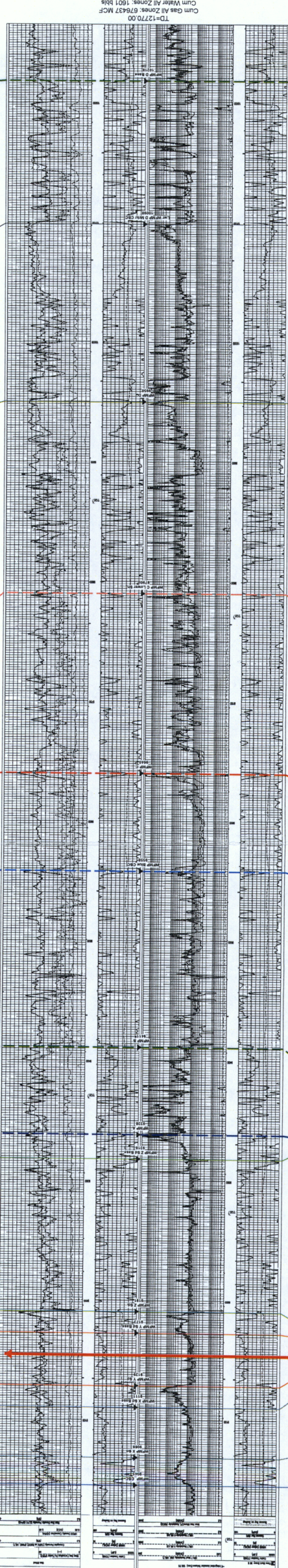
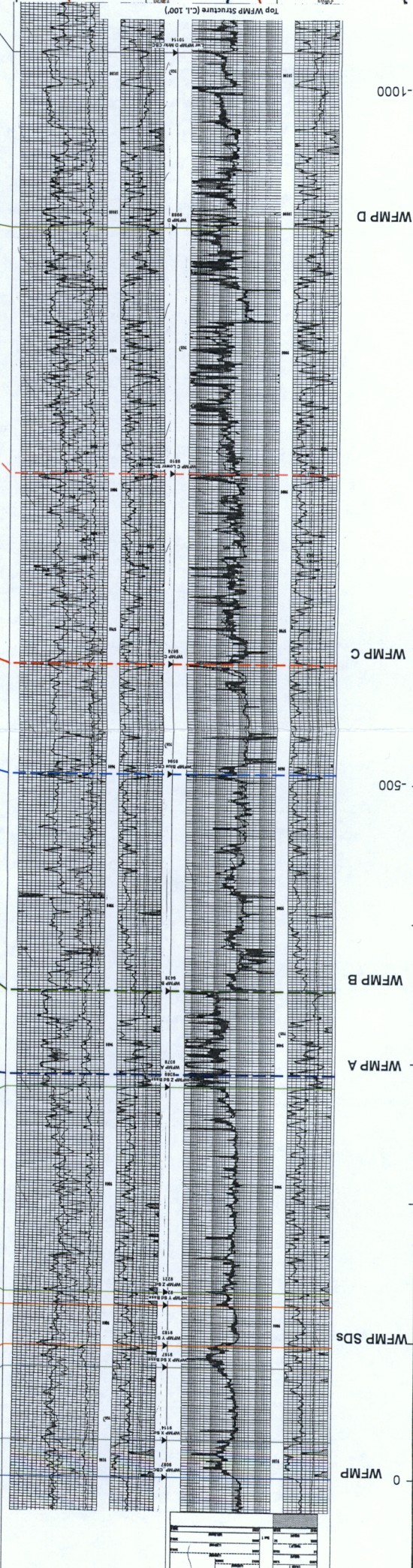
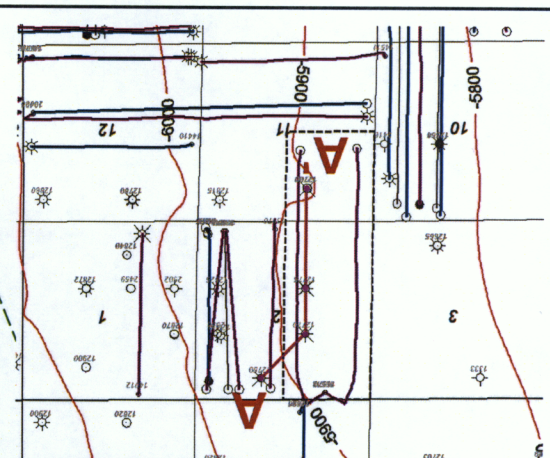
900 PUL 1980 FEL

Datum=1985.00

MEMBOURNE OIL COMPANY

SOUTH LOVING 2 STATE 1

30015238800000



South Loving 2/11 WOCF State 1H
South Loving 2/11 WODE State 1H
Cross Section Exhibit (A-A)

Cum Gas All Zones: 423 bbls

Cum Water All Zones: 584 bbls

TD=12700.00

Cum Gas All Zones: 1302 bbls

Cum Water All Zones: 4190 bbls

TD=12775.00

Cum Gas All Zones: 678437 MCF

Cum Water All Zones: 1901 bbls

TD=12770.00