

CASE NO. 23446

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

EXHIBIT LIST

1. Application and Proposed Notice
2. Landman's Affidavit
3. Geologist's Affidavit
4. Affidavits of Mailing
5. Publication Affidavit
6. Pooling Checklist

PART II

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

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

Case No. 23446

SELF AFFIRMED STATEMENT OF TYLER HILL

COUNTY OF MIDLAND )
) ss.
STATE OF TEXAS )

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

- 1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am a geologist for Mewbourne Oil Company ("Mewbourne"), and I am familiar with the geological matters involved in this case.
3. The following geological plats are attached hereto:
(a) Attachment A is a structure map of the 2nd BS formation, mapped on the top of the correlative 2nd BS 'C' Sd marker.
(b) Attachment B is a north-south cross section. The well logs on the cross-section give a representative sample of the 2nd BS Sd formation in this area.
(c) Attachment C is a gross isopach of the 2nd Bone Spring Sand, the test zone for the proposed Fuller 14/11 B2ED Fed Com #1, and Fuller 14/11 B2FC Fed Com #2H.
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 wells.

EXHIBIT

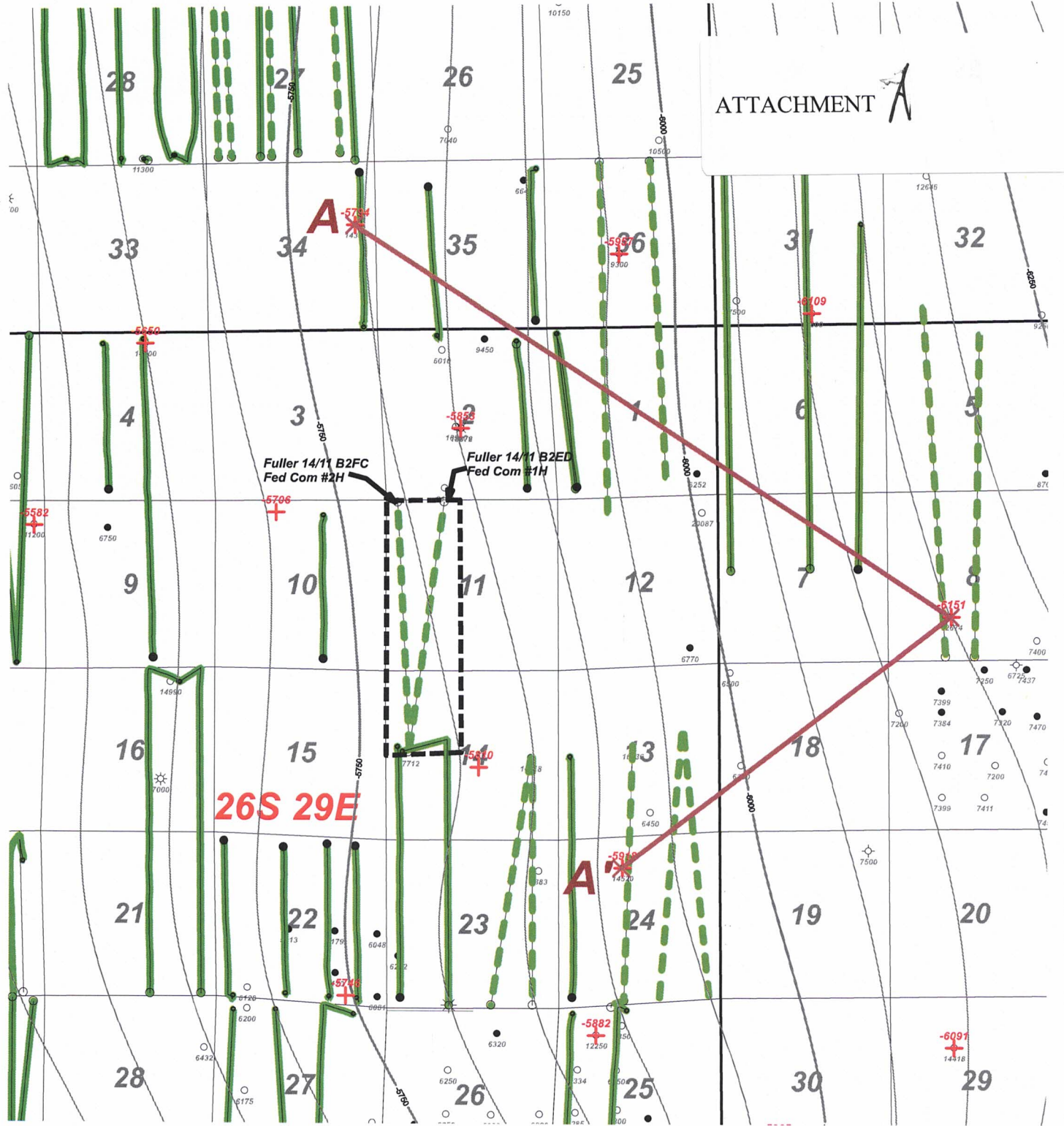
3

5. Attachment D contains information from other wells drilled in the immediate area. There are numerous upper 2<sup>nd</sup> BS Sand wells, and the preference is for standup units. The completed wells in the area are commercial.

6. Attachment E is the Survey Calculation Report for the wells: Fuller 14/11 B2ED Fed Com #1, and Fuller 14/11 B2FC Fed Com #2H. The producing interval of the proposed well will be orthodox. The pool code is Corral Canyon; Bone Spring South (13354).

3/24/23  
Date

Tyler Hill  
Tyler Hill



ATTACHMENT 

**26S 29E**

Horizontal Activity

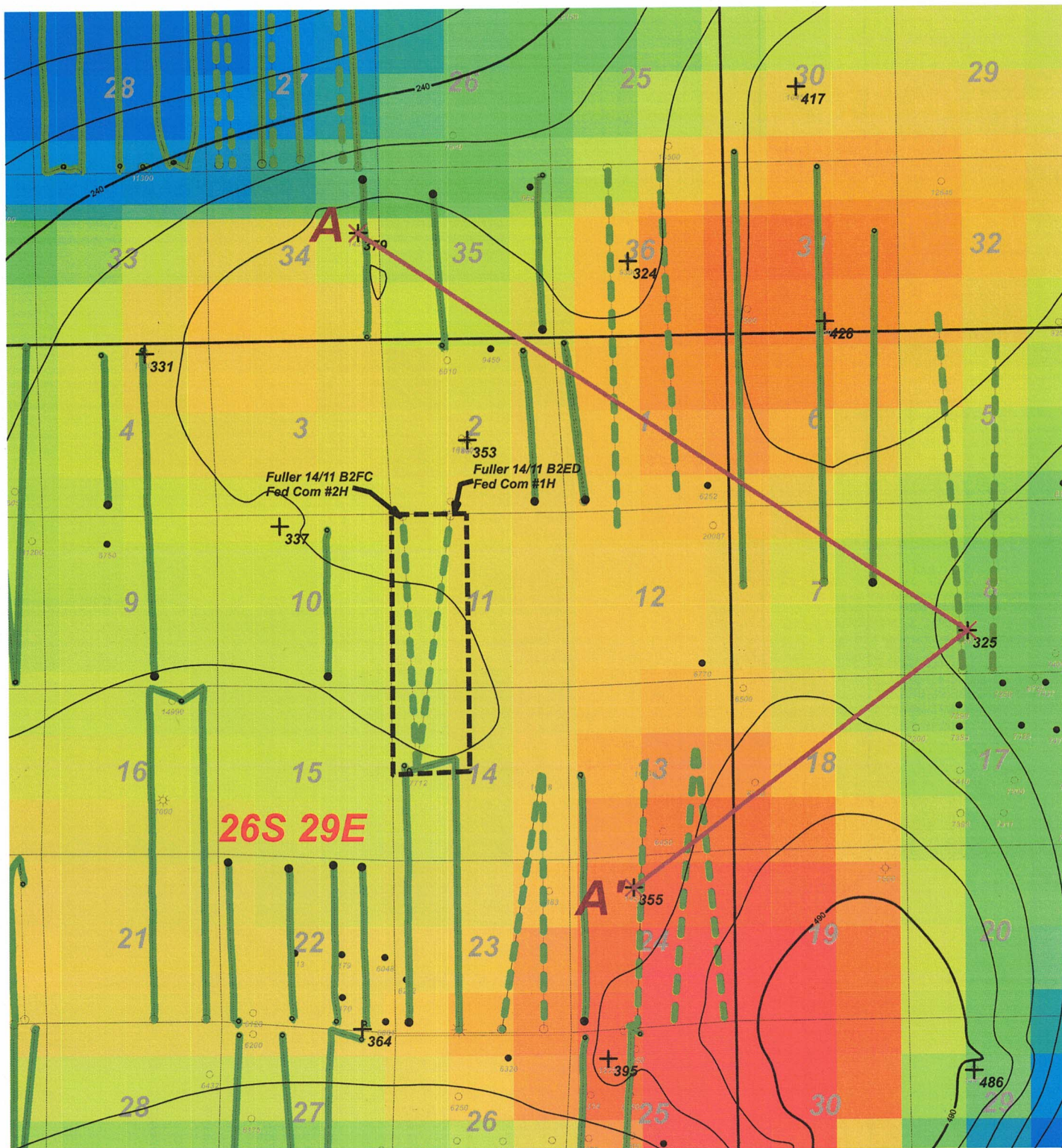
 2<sup>nd</sup> BS Sd



**MOC Mewbourne Oil Company**

*Fuller 14/11 B2ED Fed Com #1H  
Fuller 14/11 B2FC Fed Com #2H  
Structure top 2<sup>nd</sup> BS Sd (C.I. 50')*

Author: T. Hill	County: Eddy	Date: 23 March, 2023
Scale: 1.0"=2800'		




Horizontal Activity

— 2<sup>nd</sup> BS Sd

ATTACHMENT **B**



 <b>Mewbourne Oil Company</b>		
<i>Fuller 14/11 B2ED Fed Com #1H</i> <i>Fuller 14/11 B2FC Fed Com #2H</i> <i>Isomap 2<sup>nd</sup> BS Gross Sd (C.I. 50')</i>		
Author: T. Hill	County: Eddy	Date: 24 March, 2023
Scale: 1.0"=2800'		

### Fuller 14/11 B2

A

A'

300152311200  
 INEXCO OIL CO  
 BISON-WALLOW UNIT 1  
 1980 FNL/660 FEL  
 Datum=3002.00  
 Reference=KB  
 TWP: 26 S - Range: 29 E - Sec. 34

300153149800  
 XTO ENERGY INC  
 YATES 'B' FEDERAL 2  
 1347 FSL/1963 FWL  
 Datum=3084.00  
 Reference=KB  
 TWP: 26 S - Range: 30 E - Sec. 8

300152386800  
 FULLER PETROLEUM INC  
 BRUSHY DRW DEP FDR 1  
 990 FNL/1980 FWL  
 Datum=2995.00  
 Reference=KB  
 TWP: 26 S - Range: 29 E - Sec. 24

34H

8N

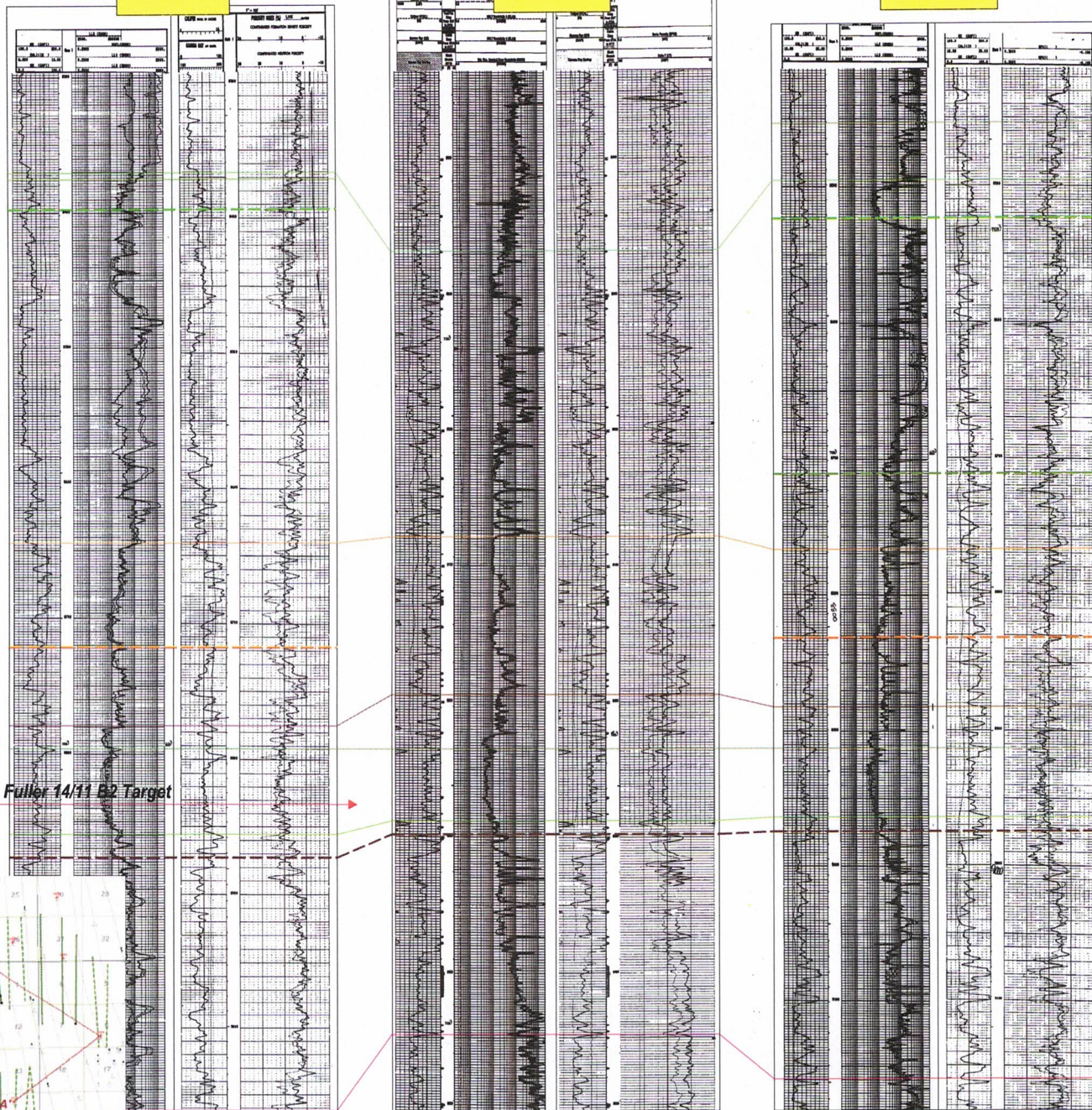
24C

2nd BS Sd Up

2nd BS Sd Mid

2nd BS Sd Low

Fuller 14/11 B2 Target



TD=14381.00

TD=12674.00

TD=11700.00  
 Fuller 14/11 B2ED Fed Com #1H  
 Fuller 14/11 B2FC Fed Com #2H  
 Cross Section Exhibit (A-A)

ATTACHMENT

C

**Fuller Area 2nd BS Sd Production**

Primary API	Lease Name	Well Num	Operator Name	Location	Oil Cum(mbo)	Gas Cum(bcf)	Wtr Cum(mbw)	First Prod Date	Orientation
30015378330000	BIG PAPI FEDERAL COM	002H	COG OPERATING LLC	26S 29E 4C NE NW	205.0	0.66	896.4	2014-06-01	Standup
30015378420000	JR'S HORZ FEDERAL COM	003	COG OPERATING LLC	26S 29E 10B NW NE	195.3	0.93	719.9	2014-06-01	Standup
30015394550100	REPOSADO 2 STATE COM	002H	COG PRODUCTION LLC	26S 29E 2A	117.1	0.47	466.9	2012-09-01	Standup
30015412370000	BISON WALLOW 34 FEDERAL	002H	MEWBOURNE OIL CO	25S 29E 34P SE SE	94.2	0.37	472.6	2013-06-01	Standup
30015412840000	BRUSHY DRAW 1 DM FEDERAL	001H	MEWBOURNE OIL CO	26S 29E 1D NW	129.3	0.32	571.8	2014-07-01	Standup
30015422200000	NORTH BRUSHY DRAW FEDERAL 35	009H	WPX ENERGY PERMIAN LLC	25S 29E 35A NE	106.7	0.24	674.5	2014-05-01	Standup
30015422700000	EAST PECOS FEDERAL 22	005H	WPX ENERGY PERMIAN LLC	26S 29E 22N SW	93.9	0.54	418.0	2015-08-01	Standup
30015422810000	EAST PECOS FEDERAL COM 22	006H	WPX ENERGY PERMIAN LLC	26S 29E 22O SE	114.7	0.59	518.6	2016-03-01	Standup
30015422850000	EAST PECOS FEDERAL 22	003H	WPX ENERGY PERMIAN LLC	26S 29E 22M	115.5	0.46	424.2	2015-01-01	Standup
30015422870000	EAST PECOS FEDERAL COM 22	007H	WPX ENERGY PERMIAN LLC	26S 29E 22P SE	136.9	0.72	446.5	2014-06-01	Standup
30015430090000	FULLER 13 24 B2LM FEDERAL	001H	MEWBOURNE OIL CO	26S 29E 13L SW	483.3	1.51	1660.3	2016-06-01	Standup
30015435790000	ROSS DRAW 25 COM	031H	XTO ENERGY INC	26S 29E 25D	275.9	0.92	1563.5	2017-06-01	Standup
30015437790000	BIG PAPI FEDERAL COM	012H	COG OPERATING LLC	26S 29E 4B NE	448.0	1.84	1624.1	2018-12-01	Standup
30015438580000	FULLER 14 23 B2LM FEDERAL COM	001H	MEWBOURNE OIL CO	26S 29E 14E NW	488.6	1.93	1396.5	2017-05-01	Standup
30015467830000	ADMIRAL FEDERAL COM	501H	COG OPERATING LLC	25S 29E 28M SW	498.8	1.47	1038.2	2021-03-01	Standup
30015467840000	ADMIRAL FEDERAL COM	502H	COG OPERATING LLC	25S 29E 28M SW	432.5	1.12	978.8	2021-03-01	Standup
30015467860000	ADMIRAL FEDERAL COM	503H	COG OPERATING LLC	25S 29E 28N SW	287.0	1.02	1121.4	2021-03-01	Standup
30015467880200	ADMIRAL FEDERAL COM	504H	COG OPERATING LLC	25S 29E 28P SE	224.5	0.86	1170.9	2021-03-01	Standup
30015467890100	ADMIRAL FEDERAL COM	505H	COG OPERATING LLC	25S 29E 28P SE	267.4	0.89	1116.7	2021-03-01	Standup
30015455860000	ROSS DRAW 25 36 FEDERAL COM	072H	XTO ENERGY INC	26S 29E 25C NW	235.2	0.74	1140.4	2020-08-02	Standup
30015455860000	ROSS DRAW 25 36 FEDERAL COM	072H	XTO ENERGY INC	26S 29E 25C NW	61.4	0.16	150.9	2020-08-01	Standup
30015444480000	FULLER 14 23 B2KN FEDERAL COM	001H	MEWBOURNE OIL CO	26S 29E 14E NW	167.8	0.57	675.8	2022-02-01	Standup
30015452010000	BRUSHY DRAW 31 FEDERAL	707H	XTO PERMIAN OPERATING LLC	25S 30E 31H NE	197.9	0.78	1411.1	2022-02-01	Standup
30015470330000	WTG FEDERAL COM	122H	TAP ROCK OPERATING LLC	26S 29E 27C NW	246.2	1.13	622.7	2022-02-01	Standup
30015478550000	WTG FEDERAL COM	121H	TAP ROCK OPERATING LLC	26S 29E 27D NW	225.7	0.51	718.2	2022-02-01	Standup

ATTACHMENT 



**MEWBOURNE**  
**OIL COMPANY**

# Mewbourne Oil Company

Eddy Co., NM (NAD 83)  
Fuller 14/11 Fed Com Pad  
Fuller 14/11 B2ED Fed Com #1H

OH

Plan: Plan #1

## Standard Planning Report

30 January, 2023

ATTACHMENT E





**MEWBOURNE  
OIL COMPANY**

Project: L...  
Site: Fuller 14/11 Fed Com Pad  
Well: Fuller 14/11 B2ED Fed Com #1H  
Wellbore: OH  
Design: Plan #1  
Lat: 32.042491  
Long: -103.960765  
GL: 2940.00  
KB: KB=28 @ 2968.00usft (Patterson 595)

WELL DETAILS: Fuller 14/11 B2ED Fed Com #1H

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	379395.70	656776.40	32.042491	-103.960765

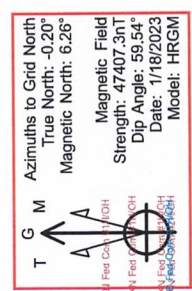
WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape Point
Fuller 14/11 B2ED Fed Com #1H - PBHL	8788.00	7799.30	-347.50	387195.00	656428.90	656428.90

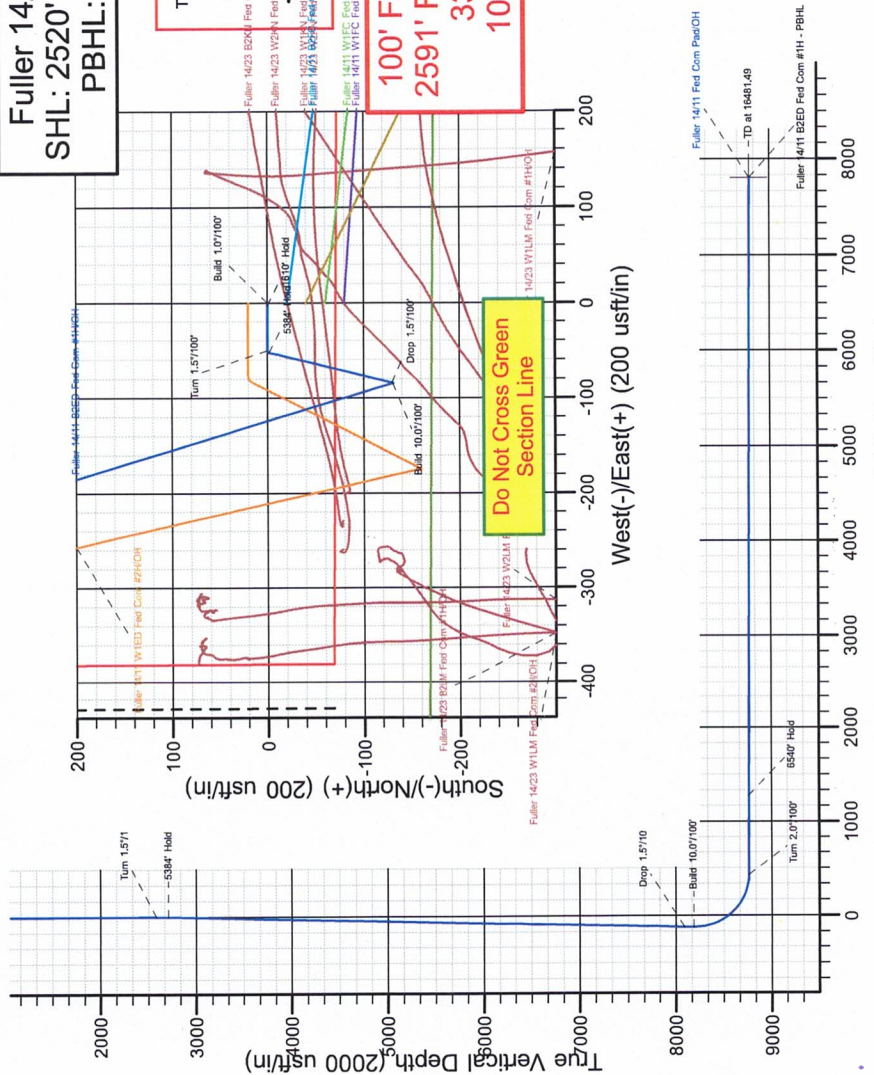
SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	Build 1.0°/100'
971.00	1.71	270.00	970.97	0.00	-2.55	1.00	270.00	0.11	1610' Hold
2581.00	1.71	270.00	2580.26	0.00	-50.60	0.00	0.00	2.25	Turn 1.5°/100'
2710.20	1.40	193.71	2709.42	-1.54	-82.90	1.50	-135.29	0.82	5384' Hold
8093.90	1.40	193.71	8091.51	-129.63	-84.14	0.00	0.00	-125.75	Drop 1.5°/100'
8187.45	0.00	0.00	8185.05	-130.74	-84.41	1.50	180.00	-126.85	Build 10.0°/100'
9085.15	89.77	343.10	8758.00	415.27	-250.30	10.00	343.10	426.00	Turn 2.0°/100'
9941.75	89.77	0.23	8761.48	1259.67	-374.00	2.00	90.04	1275.07	6540' Hold
16481.49	89.77	0.23	8788.00	7799.30	-347.50	0.00	0.00	7807.04	TD at 16481.49

**Fuller 14/11 B2ED Fed Com #1H**  
**SHL: 2520' FSL (Sec. 11) & 710' FWL**  
**PBHL: 100' FNL & 330' FWL**



**100' FNL Hard Line (Sec. 11)**  
**2591' FNL Hard Line (Sec. 14)**  
**330' FWL Hard Line**  
**1017' FWL Hard Line**





Planning Report

<b>Database:</b>	EDM 5000.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Fuller 14/11 B2ED Fed Com #1H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	KB=28 @ 2968.00usft (Patterson 595)
<b>Project:</b>	Eddy Co., NM (NAD 83)	<b>MD Reference:</b>	KB=28 @ 2968.00usft (Patterson 595)
<b>Site:</b>	Fuller 14/11 Fed Com Pad	<b>North Reference:</b>	Grid
<b>Well:</b>	Fuller 14/11 B2ED Fed Com #1H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1		

<b>Project</b>	Eddy Co., NM (NAD 83)		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	New Mexico Eastern Zone		

<b>Site</b>	Fuller 14/11 Fed Com Pad				
<b>Site Position:</b>		<b>Northing:</b>	379,375.70 usft	<b>Latitude:</b>	32.042436
<b>From:</b>	Map	<b>Easting:</b>	656,776.40 usft	<b>Longitude:</b>	-103.960765
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13-3/16 "		

<b>Well</b>	Fuller 14/11 B2ED Fed Com #1H					
<b>Well Position</b>	<b>+N/-S</b>	0.00 usft	<b>Northing:</b>	379,395.70 usft	<b>Latitude:</b>	32.042491
	<b>+E/-W</b>	0.00 usft	<b>Easting:</b>	656,776.40 usft	<b>Longitude:</b>	-103.960765
<b>Position Uncertainty</b>		0.00 usft	<b>Wellhead Elevation:</b>	usft	<b>Ground Level:</b>	2,940.00 usft
<b>Grid Convergence:</b>		0.20 °				

<b>Wellbore</b>	OH
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HRGM	1/18/2023	6.45	59.54	47,407.32719224

<b>Design</b>	Plan #1
---------------	---------

<b>Audit Notes:</b>					
<b>Version:</b>		<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	357.45	

Plan Survey Tool Program	Date	1/27/2023		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	16,481.49	Plan #1 (OH)	MWD + HDGM MWD + HDGM - Standard



Planning Report

<b>Database:</b>	EDM 5000.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Fuller 14/11 B2ED Fed Com #1H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	KB=28 @ 2968.00usft (Patterson 595)
<b>Project:</b>	Eddy Co., NM (NAD 83)	<b>MD Reference:</b>	KB=28 @ 2968.00usft (Patterson 595)
<b>Site:</b>	Fuller 14/11 Fed Com Pad	<b>North Reference:</b>	Grid
<b>Well:</b>	Fuller 14/11 B2ED Fed Com #1H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1		

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
971.00	1.71	270.00	970.97	0.00	-2.55	1.00	1.00	0.00	270.00	
2,581.00	1.71	270.00	2,580.26	0.00	-50.60	0.00	0.00	0.00	0.00	
2,710.20	1.40	193.71	2,709.42	-1.54	-52.90	1.50	-0.24	-59.05	-135.29	
8,093.90	1.40	193.71	8,091.51	-129.63	-84.14	0.00	0.00	0.00	0.00	
8,187.45	0.00	0.00	8,185.05	-130.74	-84.41	1.50	-1.50	0.00	180.00	
9,085.15	89.77	343.10	8,758.00	415.27	-250.30	10.00	10.00	0.00	343.10	
9,941.75	89.77	0.23	8,761.49	1,259.67	-374.00	2.00	0.00	2.00	90.04	
16,481.49	89.77	0.23	8,788.00	7,799.30	-347.50	0.00	0.00	0.00	0.00	Fuller 14/11 B2ED I



Planning Report

<b>Database:</b>	EDM 5000.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Fuller 14/11 B2ED Fed Com #1H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	KB=28 @ 2968.00usft (Patterson 595)
<b>Project:</b>	Eddy Co., NM (NAD 83)	<b>MD Reference:</b>	KB=28 @ 2968.00usft (Patterson 595)
<b>Site:</b>	Fuller 14/11 Fed Com Pad	<b>North Reference:</b>	Grid
<b>Well:</b>	Fuller 14/11 B2ED Fed Com #1H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Rustler</b>									
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
410.00	0.00	0.00	410.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Salt Top</b>									
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Build 1.0°/100'</b>									
900.00	1.00	270.00	899.99	0.00	-0.87	0.04	1.00	1.00	0.00
971.00	1.71	270.00	970.97	0.00	-2.55	0.11	1.00	1.00	0.00
<b>1610' Hold</b>									
1,000.00	1.71	270.00	999.96	0.00	-3.42	0.15	0.00	0.00	0.00
1,100.00	1.71	270.00	1,099.92	0.00	-6.40	0.28	0.00	0.00	0.00
1,200.00	1.71	270.00	1,199.87	0.00	-9.39	0.42	0.00	0.00	0.00
1,270.16	1.71	270.00	1,270.00	0.00	-11.48	0.51	0.00	0.00	0.00
<b>Castile</b>									
1,300.00	1.71	270.00	1,299.83	0.00	-12.37	0.55	0.00	0.00	0.00
1,400.00	1.71	270.00	1,399.78	0.00	-15.35	0.68	0.00	0.00	0.00
1,500.00	1.71	270.00	1,499.74	0.00	-18.34	0.82	0.00	0.00	0.00
1,600.00	1.71	270.00	1,599.69	0.00	-21.32	0.95	0.00	0.00	0.00
1,700.00	1.71	270.00	1,699.65	0.00	-24.31	1.08	0.00	0.00	0.00
1,800.00	1.71	270.00	1,799.61	0.00	-27.29	1.21	0.00	0.00	0.00
1,900.00	1.71	270.00	1,899.56	0.00	-30.27	1.35	0.00	0.00	0.00
2,000.00	1.71	270.00	1,999.52	0.00	-33.26	1.48	0.00	0.00	0.00
2,100.00	1.71	270.00	2,099.47	0.00	-36.24	1.61	0.00	0.00	0.00
2,200.00	1.71	270.00	2,199.43	0.00	-39.23	1.75	0.00	0.00	0.00
2,300.00	1.71	270.00	2,299.38	0.00	-42.21	1.88	0.00	0.00	0.00
2,400.00	1.71	270.00	2,399.34	0.00	-45.19	2.01	0.00	0.00	0.00
2,500.00	1.71	270.00	2,499.29	0.00	-48.18	2.14	0.00	0.00	0.00
2,581.00	1.71	270.00	2,580.26	0.00	-50.60	2.25	0.00	0.00	0.00
<b>Turn 1.5°/100'</b>									
2,600.00	1.52	262.42	2,599.25	-0.03	-51.13	2.24	1.50	-1.00	-39.88
2,700.00	1.33	199.36	2,699.22	-1.30	-52.83	1.05	1.50	-0.19	-63.06
2,710.20	1.40	193.71	2,709.42	-1.54	-52.90	0.82	1.50	0.71	-55.45
<b>5384' Hold</b>									
2,800.00	1.40	193.71	2,799.19	-3.67	-53.42	-1.29	0.00	0.00	0.00
2,845.82	1.40	193.71	2,845.00	-4.76	-53.68	-2.37	0.00	0.00	0.00
<b>Salt Base</b>									
2,900.00	1.40	193.71	2,899.16	-6.05	-54.00	-3.64	0.00	0.00	0.00
3,000.00	1.40	193.71	2,999.13	-8.43	-54.58	-5.99	0.00	0.00	0.00
3,020.87	1.40	193.71	3,020.00	-8.93	-54.70	-6.49	0.00	0.00	0.00
<b>Delaware (Lamar)</b>									
3,100.00	1.40	193.71	3,099.10	-10.81	-55.16	-8.35	0.00	0.00	0.00
3,200.00	1.40	193.71	3,199.07	-13.19	-55.74	-10.70	0.00	0.00	0.00
3,300.00	1.40	193.71	3,299.04	-15.57	-56.32	-13.05	0.00	0.00	0.00
3,400.00	1.40	193.71	3,399.01	-17.95	-56.90	-15.40	0.00	0.00	0.00
3,500.00	1.40	193.71	3,498.99	-20.33	-57.48	-17.75	0.00	0.00	0.00



Planning Report

<b>Database:</b>	EDM 5000.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Fuller 14/11 B2ED Fed Com #1H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	KB=28 @ 2968.00usft (Patterson 595)
<b>Project:</b>	Eddy Co., NM (NAD 83)	<b>MD Reference:</b>	KB=28 @ 2968.00usft (Patterson 595)
<b>Site:</b>	Fuller 14/11 Fed Com Pad	<b>North Reference:</b>	Grid
<b>Well:</b>	Fuller 14/11 B2ED Fed Com #1H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,600.00	1.40	193.71	3,598.96	-22.71	-58.06	-20.10	0.00	0.00	0.00
3,700.00	1.40	193.71	3,698.93	-25.09	-58.64	-22.45	0.00	0.00	0.00
3,800.00	1.40	193.71	3,798.90	-27.47	-59.22	-24.80	0.00	0.00	0.00
3,900.00	1.40	193.71	3,898.87	-29.85	-59.80	-27.15	0.00	0.00	0.00
4,000.00	1.40	193.71	3,998.84	-32.22	-60.38	-29.50	0.00	0.00	0.00
4,100.00	1.40	193.71	4,098.81	-34.60	-60.96	-31.86	0.00	0.00	0.00
4,121.20	1.40	193.71	4,120.00	-35.11	-61.09	-32.35	0.00	0.00	0.00
<b>Manzanita Marker</b>									
4,200.00	1.40	193.71	4,198.78	-36.98	-61.54	-34.21	0.00	0.00	0.00
4,300.00	1.40	193.71	4,298.75	-39.36	-62.12	-36.56	0.00	0.00	0.00
4,400.00	1.40	193.71	4,398.72	-41.74	-62.70	-38.91	0.00	0.00	0.00
4,500.00	1.40	193.71	4,498.69	-44.12	-63.28	-41.26	0.00	0.00	0.00
4,600.00	1.40	193.71	4,598.66	-46.50	-63.86	-43.61	0.00	0.00	0.00
4,700.00	1.40	193.71	4,698.63	-48.88	-64.44	-45.96	0.00	0.00	0.00
4,800.00	1.40	193.71	4,798.60	-51.26	-65.02	-48.31	0.00	0.00	0.00
4,900.00	1.40	193.71	4,898.57	-53.64	-65.60	-50.66	0.00	0.00	0.00
5,000.00	1.40	193.71	4,998.54	-56.02	-66.19	-53.01	0.00	0.00	0.00
5,100.00	1.40	193.71	5,098.51	-58.40	-66.77	-55.37	0.00	0.00	0.00
5,200.00	1.40	193.71	5,198.48	-60.77	-67.35	-57.72	0.00	0.00	0.00
5,300.00	1.40	193.71	5,298.45	-63.15	-67.93	-60.07	0.00	0.00	0.00
5,400.00	1.40	193.71	5,398.42	-65.53	-68.51	-62.42	0.00	0.00	0.00
5,500.00	1.40	193.71	5,498.39	-67.91	-69.09	-64.77	0.00	0.00	0.00
5,600.00	1.40	193.71	5,598.36	-70.29	-69.67	-67.12	0.00	0.00	0.00
5,700.00	1.40	193.71	5,698.33	-72.67	-70.25	-69.47	0.00	0.00	0.00
5,800.00	1.40	193.71	5,798.30	-75.05	-70.83	-71.82	0.00	0.00	0.00
5,900.00	1.40	193.71	5,898.27	-77.43	-71.41	-74.17	0.00	0.00	0.00
6,000.00	1.40	193.71	5,998.24	-79.81	-71.99	-76.53	0.00	0.00	0.00
6,100.00	1.40	193.71	6,098.21	-82.19	-72.57	-78.88	0.00	0.00	0.00
6,200.00	1.40	193.71	6,198.18	-84.57	-73.15	-81.23	0.00	0.00	0.00
6,300.00	1.40	193.71	6,298.15	-86.95	-73.73	-83.58	0.00	0.00	0.00
6,400.00	1.40	193.71	6,398.12	-89.33	-74.31	-85.93	0.00	0.00	0.00
6,500.00	1.40	193.71	6,498.09	-91.70	-74.89	-88.28	0.00	0.00	0.00
6,600.00	1.40	193.71	6,598.06	-94.08	-75.47	-90.63	0.00	0.00	0.00
6,700.00	1.40	193.71	6,698.03	-96.46	-76.05	-92.98	0.00	0.00	0.00
6,800.00	1.40	193.71	6,798.00	-98.84	-76.63	-95.33	0.00	0.00	0.00
6,802.01	1.40	193.71	6,800.00	-98.89	-76.64	-95.38	0.00	0.00	0.00
<b>Bone Spring</b>									
6,900.00	1.40	193.71	6,897.97	-101.22	-77.21	-97.68	0.00	0.00	0.00
7,000.00	1.40	193.71	6,997.94	-103.60	-77.79	-100.04	0.00	0.00	0.00
7,100.00	1.40	193.71	7,097.91	-105.98	-78.37	-102.39	0.00	0.00	0.00
7,200.00	1.40	193.71	7,197.88	-108.36	-78.95	-104.74	0.00	0.00	0.00
7,300.00	1.40	193.71	7,297.85	-110.74	-79.53	-107.09	0.00	0.00	0.00
7,400.00	1.40	193.71	7,397.82	-113.12	-80.11	-109.44	0.00	0.00	0.00
7,500.00	1.40	193.71	7,497.79	-115.50	-80.69	-111.79	0.00	0.00	0.00
7,600.00	1.40	193.71	7,597.76	-117.88	-81.27	-114.14	0.00	0.00	0.00
7,700.00	1.40	193.71	7,697.73	-120.26	-81.85	-116.49	0.00	0.00	0.00
7,737.29	1.40	193.71	7,735.00	-121.14	-82.07	-117.37	0.00	0.00	0.00
<b>1st Bone Spring Sand</b>									
7,800.00	1.40	193.71	7,797.70	-122.63	-82.43	-118.84	0.00	0.00	0.00
7,900.00	1.40	193.71	7,897.67	-125.01	-83.01	-121.19	0.00	0.00	0.00
8,000.00	1.40	193.71	7,997.64	-127.39	-83.59	-123.55	0.00	0.00	0.00
8,093.90	1.40	193.71	8,091.51	-129.63	-84.14	-125.75	0.00	0.00	0.00
<b>Drop 1.5°/100'</b>									



Planning Report

<b>Database:</b>	EDM 5000.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Fuller 14/11 B2ED Fed Com #1H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	KB=28 @ 2968.00usft (Patterson 595)
<b>Project:</b>	Eddy Co., NM (NAD 83)	<b>MD Reference:</b>	KB=28 @ 2968.00usft (Patterson 595)
<b>Site:</b>	Fuller 14/11 Fed Com Pad	<b>North Reference:</b>	Grid
<b>Well:</b>	Fuller 14/11 B2ED Fed Com #1H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,100.00	1.31	193.71	8,097.61	-129.77	-84.17	-125.89	1.50	-1.50	0.00
8,187.45	0.00	0.00	8,185.05	-130.74	-84.41	-126.85	1.50	-1.50	0.00
<b>Build 10.0°/100'</b>									
8,200.00	1.25	343.10	8,197.60	-130.61	-84.45	-126.72	10.00	10.00	0.00
8,250.00	6.25	343.10	8,247.47	-127.48	-85.40	-123.55	10.00	10.00	0.00
8,300.00	11.25	343.10	8,296.88	-120.20	-87.61	-116.18	10.00	10.00	0.00
8,350.00	16.25	343.10	8,345.43	-108.83	-91.07	-104.66	10.00	10.00	0.00
8,365.24	17.78	343.10	8,360.00	-104.56	-92.36	-100.34	10.00	10.00	0.00
<b>2nd Bone Spring Sand</b>									
8,400.00	21.25	343.10	8,392.76	-93.45	-95.74	-89.10	10.00	10.00	0.00
8,450.00	26.25	343.10	8,438.51	-74.18	-101.59	-69.59	10.00	10.00	0.00
8,500.00	31.25	343.10	8,482.33	-51.18	-108.58	-46.29	10.00	10.00	0.00
8,550.00	36.25	343.10	8,523.88	-24.60	-116.66	-19.39	10.00	10.00	0.00
8,600.00	41.25	343.10	8,562.86	5.33	-125.75	10.93	10.00	10.00	0.00
8,650.00	46.25	343.10	8,598.97	38.41	-135.80	44.42	10.00	10.00	0.00
8,700.00	51.25	343.10	8,631.92	74.37	-146.73	80.83	10.00	10.00	0.00
8,750.00	56.25	343.10	8,661.47	112.94	-158.45	119.88	10.00	10.00	0.00
8,800.00	61.25	343.10	8,687.40	153.83	-170.87	161.28	10.00	10.00	0.00
8,850.00	66.25	343.10	8,709.50	196.72	-183.90	204.72	10.00	10.00	0.00
8,900.00	71.25	343.10	8,727.62	241.30	-197.44	249.85	10.00	10.00	0.00
8,950.00	76.25	343.10	8,741.60	287.22	-211.39	296.34	10.00	10.00	0.00
9,000.00	81.25	343.10	8,751.35	334.12	-225.65	343.84	10.00	10.00	0.00
9,050.00	86.25	343.10	8,756.78	381.66	-240.09	391.97	10.00	10.00	0.00
9,085.15	89.77	343.10	8,758.00	415.27	-250.30	426.00	10.00	10.00	0.00
<b>Turn 2.0°/100'</b>									
9,100.00	89.77	343.40	8,758.06	429.49	-254.58	440.40	2.00	0.00	2.00
9,200.00	89.77	345.40	8,758.47	525.80	-281.48	537.81	2.00	0.00	2.00
9,300.00	89.77	347.40	8,758.87	622.99	-304.99	635.95	2.00	0.00	2.00
9,400.00	89.77	349.40	8,759.28	720.94	-325.11	734.70	2.00	0.00	2.00
9,500.00	89.77	351.40	8,759.69	819.53	-341.79	833.93	2.00	0.00	2.00
9,600.00	89.77	353.40	8,760.09	918.65	-355.02	933.54	2.00	0.00	2.00
9,700.00	89.77	355.40	8,760.50	1,018.16	-364.78	1,033.39	2.00	0.00	2.00
9,800.00	89.77	357.40	8,760.91	1,117.96	-371.06	1,133.37	2.00	0.00	2.00
9,900.00	89.77	359.40	8,761.32	1,217.92	-373.86	1,233.35	2.00	0.00	2.00
9,941.75	89.77	0.23	8,761.49	1,259.67	-374.00	1,275.07	2.00	0.00	2.00
<b>6540' Hold</b>									
10,000.00	89.77	0.23	8,761.72	1,317.91	-373.76	1,333.24	0.00	0.00	0.00
10,100.00	89.77	0.23	8,762.13	1,417.91	-373.35	1,433.13	0.00	0.00	0.00
10,200.00	89.77	0.23	8,762.53	1,517.91	-372.95	1,533.01	0.00	0.00	0.00
10,300.00	89.77	0.23	8,762.94	1,617.91	-372.54	1,632.89	0.00	0.00	0.00
10,400.00	89.77	0.23	8,763.34	1,717.91	-372.14	1,732.77	0.00	0.00	0.00
10,500.00	89.77	0.23	8,763.75	1,817.91	-371.73	1,832.65	0.00	0.00	0.00
10,600.00	89.77	0.23	8,764.15	1,917.90	-371.33	1,932.53	0.00	0.00	0.00
10,700.00	89.77	0.23	8,764.56	2,017.90	-370.92	2,032.41	0.00	0.00	0.00
10,800.00	89.77	0.23	8,764.96	2,117.90	-370.52	2,132.29	0.00	0.00	0.00
10,900.00	89.77	0.23	8,765.37	2,217.90	-370.11	2,232.17	0.00	0.00	0.00
11,000.00	89.77	0.23	8,765.78	2,317.90	-369.71	2,332.06	0.00	0.00	0.00
11,100.00	89.77	0.23	8,766.18	2,417.90	-369.30	2,431.94	0.00	0.00	0.00
11,200.00	89.77	0.23	8,766.59	2,517.89	-368.90	2,531.82	0.00	0.00	0.00
11,300.00	89.77	0.23	8,766.99	2,617.89	-368.49	2,631.70	0.00	0.00	0.00
11,400.00	89.77	0.23	8,767.40	2,717.89	-368.09	2,731.58	0.00	0.00	0.00
11,500.00	89.77	0.23	8,767.80	2,817.89	-367.68	2,831.46	0.00	0.00	0.00
11,600.00	89.77	0.23	8,768.21	2,917.89	-367.28	2,931.34	0.00	0.00	0.00



Planning Report

<b>Database:</b>	EDM 5000.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Fuller 14/11 B2ED Fed Com #1H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	KB=28 @ 2968.00usft (Patterson 595)
<b>Project:</b>	Eddy Co., NM (NAD 83)	<b>MD Reference:</b>	KB=28 @ 2968.00usft (Patterson 595)
<b>Site:</b>	Fuller 14/11 Fed Com Pad	<b>North Reference:</b>	Grid
<b>Well:</b>	Fuller 14/11 B2ED Fed Com #1H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,700.00	89.77	0.23	8,768.61	3,017.89	-366.87	3,031.22	0.00	0.00	0.00
11,800.00	89.77	0.23	8,769.02	3,117.88	-366.47	3,131.11	0.00	0.00	0.00
11,900.00	89.77	0.23	8,769.42	3,217.88	-366.06	3,230.99	0.00	0.00	0.00
12,000.00	89.77	0.23	8,769.83	3,317.88	-365.66	3,330.87	0.00	0.00	0.00
12,100.00	89.77	0.23	8,770.24	3,417.88	-365.25	3,430.75	0.00	0.00	0.00
12,200.00	89.77	0.23	8,770.64	3,517.88	-364.85	3,530.63	0.00	0.00	0.00
12,300.00	89.77	0.23	8,771.05	3,617.88	-364.44	3,630.51	0.00	0.00	0.00
12,400.00	89.77	0.23	8,771.45	3,717.87	-364.04	3,730.39	0.00	0.00	0.00
12,500.00	89.77	0.23	8,771.86	3,817.87	-363.63	3,830.27	0.00	0.00	0.00
12,600.00	89.77	0.23	8,772.26	3,917.87	-363.23	3,930.16	0.00	0.00	0.00
12,700.00	89.77	0.23	8,772.67	4,017.87	-362.82	4,030.04	0.00	0.00	0.00
12,800.00	89.77	0.23	8,773.07	4,117.87	-362.42	4,129.92	0.00	0.00	0.00
12,900.00	89.77	0.23	8,773.48	4,217.87	-362.01	4,229.80	0.00	0.00	0.00
13,000.00	89.77	0.23	8,773.88	4,317.86	-361.61	4,329.68	0.00	0.00	0.00
13,100.00	89.77	0.23	8,774.29	4,417.86	-361.20	4,429.56	0.00	0.00	0.00
13,200.00	89.77	0.23	8,774.70	4,517.86	-360.80	4,529.44	0.00	0.00	0.00
13,300.00	89.77	0.23	8,775.10	4,617.86	-360.39	4,629.32	0.00	0.00	0.00
13,400.00	89.77	0.23	8,775.51	4,717.86	-359.98	4,729.21	0.00	0.00	0.00
13,500.00	89.77	0.23	8,775.91	4,817.86	-359.58	4,829.09	0.00	0.00	0.00
13,600.00	89.77	0.23	8,776.32	4,917.85	-359.17	4,928.97	0.00	0.00	0.00
13,700.00	89.77	0.23	8,776.72	5,017.85	-358.77	5,028.85	0.00	0.00	0.00
13,800.00	89.77	0.23	8,777.13	5,117.85	-358.36	5,128.73	0.00	0.00	0.00
13,900.00	89.77	0.23	8,777.53	5,217.85	-357.96	5,228.61	0.00	0.00	0.00
14,000.00	89.77	0.23	8,777.94	5,317.85	-357.55	5,328.49	0.00	0.00	0.00
14,100.00	89.77	0.23	8,778.34	5,417.85	-357.15	5,428.37	0.00	0.00	0.00
14,200.00	89.77	0.23	8,778.75	5,517.84	-356.74	5,528.25	0.00	0.00	0.00
14,300.00	89.77	0.23	8,779.16	5,617.84	-356.34	5,628.14	0.00	0.00	0.00
14,400.00	89.77	0.23	8,779.56	5,717.84	-355.93	5,728.02	0.00	0.00	0.00
14,500.00	89.77	0.23	8,779.97	5,817.84	-355.53	5,827.90	0.00	0.00	0.00
14,600.00	89.77	0.23	8,780.37	5,917.84	-355.12	5,927.78	0.00	0.00	0.00
14,700.00	89.77	0.23	8,780.78	6,017.84	-354.72	6,027.66	0.00	0.00	0.00
14,800.00	89.77	0.23	8,781.18	6,117.83	-354.31	6,127.54	0.00	0.00	0.00
14,900.00	89.77	0.23	8,781.59	6,217.83	-353.91	6,227.42	0.00	0.00	0.00
15,000.00	89.77	0.23	8,781.99	6,317.83	-353.50	6,327.30	0.00	0.00	0.00
15,100.00	89.77	0.23	8,782.40	6,417.83	-353.10	6,427.19	0.00	0.00	0.00
15,200.00	89.77	0.23	8,782.80	6,517.83	-352.69	6,527.07	0.00	0.00	0.00
15,300.00	89.77	0.23	8,783.21	6,617.83	-352.29	6,626.95	0.00	0.00	0.00
15,400.00	89.77	0.23	8,783.62	6,717.82	-351.88	6,726.83	0.00	0.00	0.00
15,500.00	89.77	0.23	8,784.02	6,817.82	-351.48	6,826.71	0.00	0.00	0.00
15,600.00	89.77	0.23	8,784.43	6,917.82	-351.07	6,926.59	0.00	0.00	0.00
15,700.00	89.77	0.23	8,784.83	7,017.82	-350.67	7,026.47	0.00	0.00	0.00
15,800.00	89.77	0.23	8,785.24	7,117.82	-350.26	7,126.35	0.00	0.00	0.00
15,900.00	89.77	0.23	8,785.64	7,217.82	-349.86	7,226.24	0.00	0.00	0.00
16,000.00	89.77	0.23	8,786.05	7,317.82	-349.45	7,326.12	0.00	0.00	0.00
16,100.00	89.77	0.23	8,786.45	7,417.81	-349.05	7,426.00	0.00	0.00	0.00
16,200.00	89.77	0.23	8,786.86	7,517.81	-348.64	7,525.88	0.00	0.00	0.00
16,300.00	89.77	0.23	8,787.26	7,617.81	-348.24	7,625.76	0.00	0.00	0.00
16,400.00	89.77	0.23	8,787.67	7,717.81	-347.83	7,725.64	0.00	0.00	0.00
16,481.49	89.77	0.23	8,788.00	7,799.30	-347.50	7,807.04	0.00	0.00	0.00
<b>TD at 16481.49</b>									



Planning Report

<b>Database:</b>	EDM 5000.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Fuller 14/11 B2ED Fed Com #1H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	KB=28 @ 2968.00usft (Patterson 595)
<b>Project:</b>	Eddy Co., NM (NAD 83)	<b>MD Reference:</b>	KB=28 @ 2968.00usft (Patterson 595)
<b>Site:</b>	Fuller 14/11 Fed Com Pad	<b>North Reference:</b>	Grid
<b>Well:</b>	Fuller 14/11 B2ED Fed Com #1H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Fuller 14/11 B2ED Fed - plan hits target center - Point	0.00	0.01	8,788.00	7,799.30	-347.50	387,195.00	656,428.90	32.063934	-103.961800

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
120.00	120.00	Rustler			
410.00	410.00	Salt Top			
1,270.16	1,270.00	Castile			
2,845.82	2,845.00	Salt Base			
3,020.87	3,020.00	Delaware (Lamar)			
4,121.20	4,120.00	Manzanita Marker			
6,802.01	6,800.00	Bone Spring			
7,737.29	7,735.00	1st Bone Spring Sand			
8,365.24	8,360.00	2nd Bone Spring Sand			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
800.00	800.00	0.00	0.00	Build 1.0°/100'
971.00	970.97	0.00	-2.55	1610' Hold
2,581.00	2,580.26	0.00	-50.60	Turn 1.5°/100'
2,710.20	2,709.42	-1.54	-52.90	5384' Hold
8,093.90	8,091.51	-129.63	-84.14	Drop 1.5°/100'
8,187.45	8,185.05	-130.74	-84.41	Build 10.0°/100'
9,085.15	8,758.00	415.27	-250.30	Turn 2.0°/100'
9,941.75	8,761.49	1,259.67	-374.00	6540' Hold
16,481.49	8,788.00	7,799.30	-347.50	TD at 16481.49





**MEWBOURNE**  
**OIL COMPANY**

# **Mewbourne Oil Company**

**Eddy Co., NM (NAD 83)**  
**Fuller 14/11 Fed Com Pad**  
**Fuller 14/11 B2FC Fed Com #1H**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**30 January, 2023**



**MEWBOURNE**  
**OIL COMPANY**

Project: ...  
Site: Fuller 14/11 B2FC Fed Com #1H  
Well: Fuller 14/11 B2FC Fed Com #1H  
Wellbore: OH  
Design: Plan #1  
Lat: 32.042436  
Long: -103.960765  
GL: 2941.00  
KB: KB=28 @ 2969.00usft (Patterson 595)

WELL DETAILS: Fuller 14/11 B2FC Fed Com #1H

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape Point
Fuller 14-11 B2FC Fed Com #1H - BB	0.00	0.00	379375.70	656776.40	32.042436	-103.960765	
Fuller 14-11 B2FC Fed Com #1H - PBHL	8211.05	-149.84	8814.00	1122.10			657867.03
							657898.50

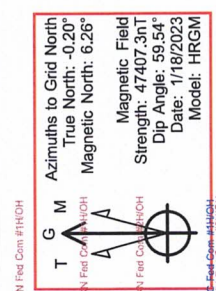
WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape Point
Fuller 14-11 B2FC Fed Com #1H - BB	0.00	0.00	0.00	379225.86	657867.03	Point
Fuller 14-11 B2FC Fed Com #1H - PBHL	1095.00	0.00	0.00	387191.80	657898.50	Point

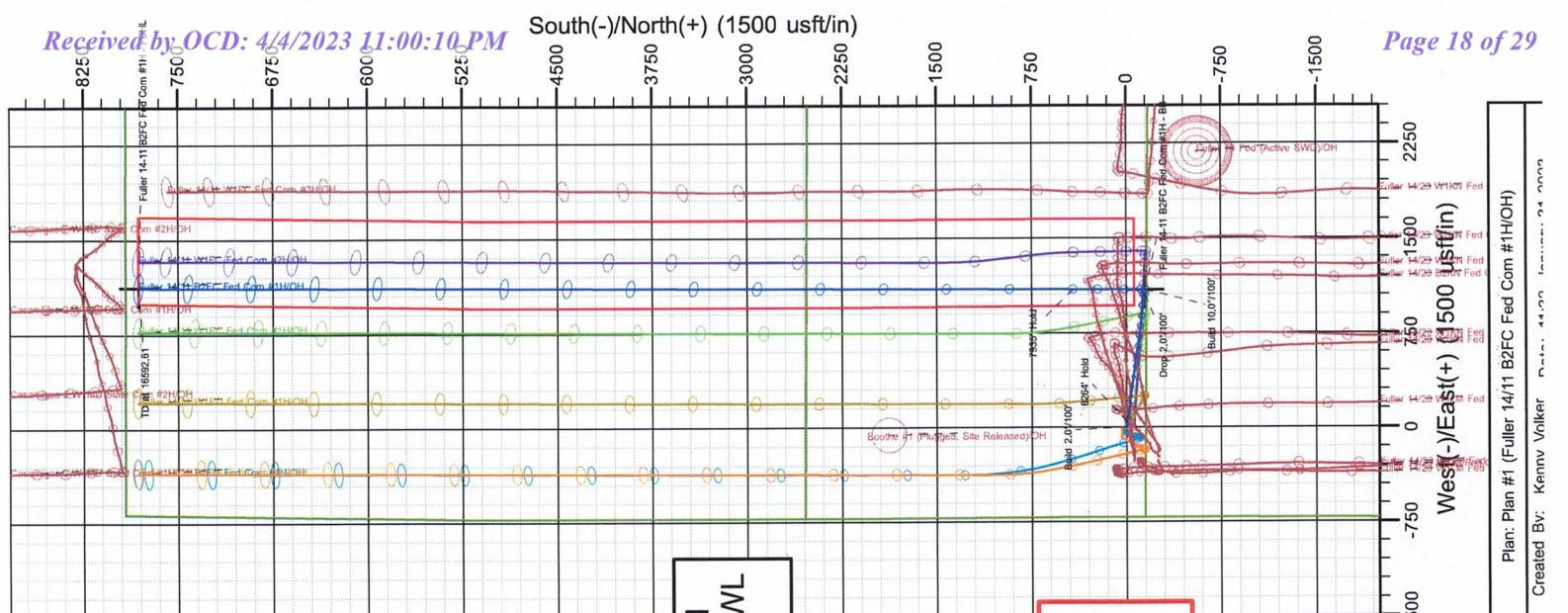
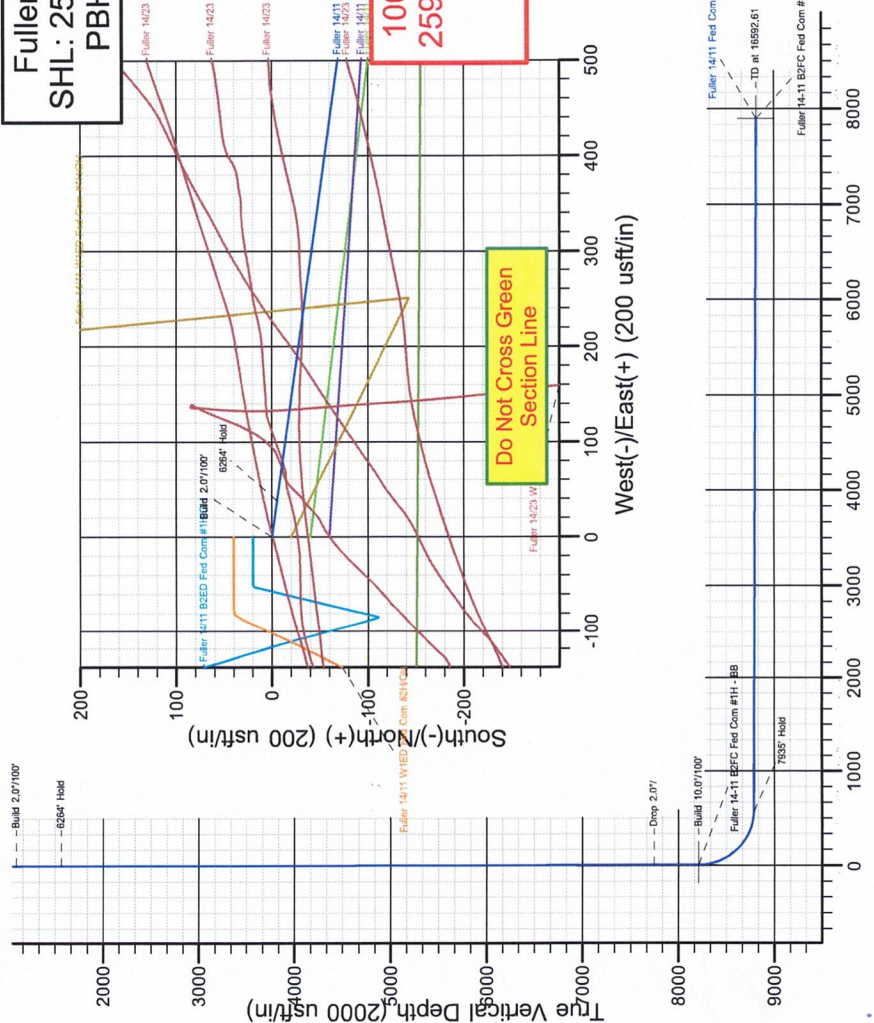
SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dieg	TFace	VFace	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1095.00	0.00	97.82	1095.00	0.00	0.00	0.00	0.00	0.00	Build 2.0°/100'
1565.36	9.41	97.82	1563.25	-5.24	38.17	2.00	97.82	0.23	6264' Hold
7829.15	9.41	97.82	7742.60	-149.60	1052.46	0.00	0.00	6.43	Drop 2.0°/100'
8299.51	0.00	0.00	8211.05	-149.84	1090.63	2.00	180.00	6.67	Build 10.0°/100'
9197.19	89.77	0.23	8784.00	420.79	1092.88	10.00	0.23	571.82	7935' Hold
16592.61	89.77	0.23	8814.00	7816.10	1122.10	0.00	0.00	7896.24	TD at 16592.61

**Fuller 14/11 B2FC Fed Com #1H**  
**SHL: 2540' FSL (Sec. 11) & 710' FWL**  
**PBHL: 100' FNL & 1800' FWL**



**100' FNL Hard Line (Sec. 11)**  
**2591' FNL Hard Line (Sec. 14)**  
**1676' FWL Hard Line**  
**2364' FWL Hard Line**



**MEWBOURNE**  
OIL COMPANY

Planning Report

<b>Database:</b>	EDM 5000.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Fuller 14/11 B2FC Fed Com #1H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	KB=28 @ 2969.00usft (Patterson 595)
<b>Project:</b>	Eddy Co., NM (NAD 83)	<b>MD Reference:</b>	KB=28 @ 2969.00usft (Patterson 595)
<b>Site:</b>	Fuller 14/11 Fed Com Pad	<b>North Reference:</b>	Grid
<b>Well:</b>	Fuller 14/11 B2FC Fed Com #1H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1		

<b>Project</b>	Eddy Co., NM (NAD 83)		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	New Mexico Eastern Zone		

<b>Site</b>	Fuller 14/11 Fed Com Pad				
<b>Site Position:</b>		<b>Northing:</b>	379,375.70 usft	<b>Latitude:</b>	32.042436
<b>From:</b>	Map	<b>Easting:</b>	656,776.40 usft	<b>Longitude:</b>	-103.960765
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13-3/16 "		

<b>Well</b>	Fuller 14/11 B2FC Fed Com #1H					
<b>Well Position</b>	<b>+N/-S</b>	0.00 usft	<b>Northing:</b>	379,375.70 usft	<b>Latitude:</b>	32.042436
	<b>+E/-W</b>	0.00 usft	<b>Easting:</b>	656,776.40 usft	<b>Longitude:</b>	-103.960765
<b>Position Uncertainty</b>	0.00 usft		<b>Wellhead Elevation:</b>	usft	<b>Ground Level:</b>	2,941.00 usft
<b>Grid Convergence:</b>	0.20 °					

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	HRGM	1/18/2023	6.45	59.54	47,407.25842967

<b>Design</b>	Plan #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	8.17

<b>Plan Survey Tool Program</b>	<b>Date</b>	1/27/2023		
<b>Depth From (usft)</b>	<b>Depth To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>
1	0.00	16,592.62	Plan #1 (OH)	MWD + HDGM MWD + HDGM - Standard

<b>Plan Sections</b>										
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Dogleg Rate (°/100usft)</b>	<b>Build Rate (°/100usft)</b>	<b>Turn Rate (°/100usft)</b>	<b>TFO (°)</b>	<b>Target</b>
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,095.00	0.00	0.00	1,095.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,565.36	9.41	97.82	1,563.25	-5.24	38.17	2.00	2.00	0.00	97.82	
7,829.15	9.41	97.82	7,742.80	-144.60	1,052.46	0.00	0.00	0.00	0.00	
8,299.51	0.00	0.00	8,211.05	-149.84	1,090.63	2.00	-2.00	0.00	180.00	Fuller 14-11 B2FC I
9,197.19	89.77	0.23	8,784.00	420.79	1,092.88	10.00	10.00	0.03	0.23	
16,592.62	89.77	0.23	8,814.00	7,816.10	1,122.10	0.00	0.00	0.00	0.00	Fuller 14-11 B2FC I



Planning Report

<b>Database:</b>	EDM 5000.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Fuller 14/11 B2FC Fed Com #1H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	KB=28 @ 2969.00usft (Patterson 595)
<b>Project:</b>	Eddy Co., NM (NAD 83)	<b>MD Reference:</b>	KB=28 @ 2969.00usft (Patterson 595)
<b>Site:</b>	Fuller 14/11 Fed Com Pad	<b>North Reference:</b>	Grid
<b>Well:</b>	Fuller 14/11 B2FC Fed Com #1H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Rustler</b>										
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
410.00	0.00	0.00	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Salt Top</b>										
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,095.00	0.00	0.00	1,095.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Build 2.0°/100'</b>										
1,100.00	0.10	97.82	1,100.00	0.00	0.00	0.00	2.00	2.00	0.00	0.00
1,200.00	2.10	97.82	1,199.98	-0.26	1.91	0.01	2.00	2.00	0.00	0.00
1,270.11	3.50	97.82	1,270.00	-0.73	5.30	0.03	2.00	2.00	0.00	0.00
<b>Castile</b>										
1,300.00	4.10	97.82	1,299.83	-1.00	7.26	0.04	2.00	2.00	0.00	0.00
1,400.00	6.10	97.82	1,399.42	-2.21	16.07	0.10	2.00	2.00	0.00	0.00
1,500.00	8.10	97.82	1,498.65	-3.89	28.31	0.17	2.00	2.00	0.00	0.00
1,565.36	9.41	97.82	1,563.25	-5.24	38.17	0.23	2.00	2.00	0.00	0.00
<b>6264' Hold</b>										
1,600.00	9.41	97.82	1,597.42	-6.01	43.78	0.27	0.00	0.00	0.00	0.00
1,700.00	9.41	97.82	1,696.08	-8.24	59.97	0.37	0.00	0.00	0.00	0.00
1,800.00	9.41	97.82	1,794.73	-10.46	76.16	0.47	0.00	0.00	0.00	0.00
1,900.00	9.41	97.82	1,893.39	-12.69	92.36	0.56	0.00	0.00	0.00	0.00
2,000.00	9.41	97.82	1,992.04	-14.91	108.55	0.66	0.00	0.00	0.00	0.00
2,100.00	9.41	97.82	2,090.70	-17.14	124.74	0.76	0.00	0.00	0.00	0.00
2,200.00	9.41	97.82	2,189.35	-19.36	140.94	0.86	0.00	0.00	0.00	0.00
2,300.00	9.41	97.82	2,288.01	-21.59	157.13	0.96	0.00	0.00	0.00	0.00
2,400.00	9.41	97.82	2,386.66	-23.81	173.32	1.06	0.00	0.00	0.00	0.00
2,500.00	9.41	97.82	2,485.32	-26.04	189.51	1.16	0.00	0.00	0.00	0.00
2,600.00	9.41	97.82	2,583.98	-28.26	205.71	1.26	0.00	0.00	0.00	0.00
2,700.00	9.41	97.82	2,682.63	-30.49	221.90	1.36	0.00	0.00	0.00	0.00
2,800.00	9.41	97.82	2,781.29	-32.71	238.09	1.46	0.00	0.00	0.00	0.00
2,864.58	9.41	97.82	2,845.00	-34.15	248.55	1.52	0.00	0.00	0.00	0.00
<b>Salt Base</b>										
2,900.00	9.41	97.82	2,879.94	-34.94	254.29	1.55	0.00	0.00	0.00	0.00
3,000.00	9.41	97.82	2,978.60	-37.16	270.48	1.65	0.00	0.00	0.00	0.00
3,041.97	9.41	97.82	3,020.00	-38.09	277.28	1.69	0.00	0.00	0.00	0.00
<b>Delaware (Lamar)</b>										
3,100.00	9.41	97.82	3,077.25	-39.39	286.67	1.75	0.00	0.00	0.00	0.00
3,200.00	9.41	97.82	3,175.91	-41.61	302.86	1.85	0.00	0.00	0.00	0.00
3,300.00	9.41	97.82	3,274.56	-43.83	319.06	1.95	0.00	0.00	0.00	0.00
3,400.00	9.41	97.82	3,373.22	-46.06	335.25	2.05	0.00	0.00	0.00	0.00
3,500.00	9.41	97.82	3,471.87	-48.28	351.44	2.15	0.00	0.00	0.00	0.00
3,600.00	9.41	97.82	3,570.53	-50.51	367.64	2.25	0.00	0.00	0.00	0.00
3,700.00	9.41	97.82	3,669.18	-52.73	383.83	2.35	0.00	0.00	0.00	0.00
3,800.00	9.41	97.82	3,767.84	-54.96	400.02	2.44	0.00	0.00	0.00	0.00



Planning Report

<b>Database:</b>	EDM 5000.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Fuller 14/11 B2FC Fed Com #1H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	KB=28 @ 2969.00usft (Patterson 595)
<b>Project:</b>	Eddy Co., NM (NAD 83)	<b>MD Reference:</b>	KB=28 @ 2969.00usft (Patterson 595)
<b>Site:</b>	Fuller 14/11 Fed Com Pad	<b>North Reference:</b>	Grid
<b>Well:</b>	Fuller 14/11 B2FC Fed Com #1H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,900.00	9.41	97.82	3,866.49	-57.18	416.22	2.54	0.00	0.00	0.00
4,000.00	9.41	97.82	3,965.15	-59.41	432.41	2.64	0.00	0.00	0.00
4,100.00	9.41	97.82	4,063.80	-61.63	448.60	2.74	0.00	0.00	0.00
4,156.96	9.41	97.82	4,120.00	-62.90	457.83	2.80	0.00	0.00	0.00
<b>Manzanita Marker</b>									
4,200.00	9.41	97.82	4,162.46	-63.86	464.79	2.84	0.00	0.00	0.00
4,300.00	9.41	97.82	4,261.11	-66.08	480.99	2.94	0.00	0.00	0.00
4,400.00	9.41	97.82	4,359.77	-68.31	497.18	3.04	0.00	0.00	0.00
4,500.00	9.41	97.82	4,458.42	-70.53	513.37	3.14	0.00	0.00	0.00
4,600.00	9.41	97.82	4,557.08	-72.76	529.57	3.24	0.00	0.00	0.00
4,700.00	9.41	97.82	4,655.73	-74.98	545.76	3.34	0.00	0.00	0.00
4,800.00	9.41	97.82	4,754.39	-77.21	561.95	3.43	0.00	0.00	0.00
4,900.00	9.41	97.82	4,853.04	-79.43	578.15	3.53	0.00	0.00	0.00
5,000.00	9.41	97.82	4,951.70	-81.66	594.34	3.63	0.00	0.00	0.00
5,100.00	9.41	97.82	5,050.35	-83.88	610.53	3.73	0.00	0.00	0.00
5,200.00	9.41	97.82	5,149.01	-86.10	626.72	3.83	0.00	0.00	0.00
5,300.00	9.41	97.82	5,247.66	-88.33	642.92	3.93	0.00	0.00	0.00
5,400.00	9.41	97.82	5,346.32	-90.55	659.11	4.03	0.00	0.00	0.00
5,500.00	9.41	97.82	5,444.97	-92.78	675.30	4.13	0.00	0.00	0.00
5,600.00	9.41	97.82	5,543.63	-95.00	691.50	4.23	0.00	0.00	0.00
5,700.00	9.41	97.82	5,642.28	-97.23	707.69	4.33	0.00	0.00	0.00
5,800.00	9.41	97.82	5,740.94	-99.45	723.88	4.42	0.00	0.00	0.00
5,900.00	9.41	97.82	5,839.60	-101.68	740.08	4.52	0.00	0.00	0.00
6,000.00	9.41	97.82	5,938.25	-103.90	756.27	4.62	0.00	0.00	0.00
6,100.00	9.41	97.82	6,036.91	-106.13	772.46	4.72	0.00	0.00	0.00
6,200.00	9.41	97.82	6,135.56	-108.35	788.65	4.82	0.00	0.00	0.00
6,300.00	9.41	97.82	6,234.22	-110.58	804.85	4.92	0.00	0.00	0.00
6,400.00	9.41	97.82	6,332.87	-112.80	821.04	5.02	0.00	0.00	0.00
6,500.00	9.41	97.82	6,431.53	-115.03	837.23	5.12	0.00	0.00	0.00
6,600.00	9.41	97.82	6,530.18	-117.25	853.43	5.22	0.00	0.00	0.00
6,700.00	9.41	97.82	6,628.84	-119.48	869.62	5.31	0.00	0.00	0.00
6,800.00	9.41	97.82	6,727.49	-121.70	885.81	5.41	0.00	0.00	0.00
6,873.50	9.41	97.82	6,800.00	-123.34	897.71	5.49	0.00	0.00	0.00
<b>Bone Spring</b>									
6,900.00	9.41	97.82	6,826.15	-123.93	902.00	5.51	0.00	0.00	0.00
7,000.00	9.41	97.82	6,924.80	-126.15	918.20	5.61	0.00	0.00	0.00
7,100.00	9.41	97.82	7,023.46	-128.37	934.39	5.71	0.00	0.00	0.00
7,200.00	9.41	97.82	7,122.11	-130.60	950.58	5.81	0.00	0.00	0.00
7,300.00	9.41	97.82	7,220.77	-132.82	966.78	5.91	0.00	0.00	0.00
7,400.00	9.41	97.82	7,319.42	-135.05	982.97	6.01	0.00	0.00	0.00
7,500.00	9.41	97.82	7,418.08	-137.27	999.16	6.11	0.00	0.00	0.00
7,600.00	9.41	97.82	7,516.73	-139.50	1,015.36	6.21	0.00	0.00	0.00
7,700.00	9.41	97.82	7,615.39	-141.72	1,031.55	6.30	0.00	0.00	0.00
7,800.00	9.41	97.82	7,714.04	-143.95	1,047.74	6.40	0.00	0.00	0.00
7,821.24	9.41	97.82	7,735.00	-144.42	1,051.18	6.42	0.00	0.00	0.00
<b>1st Bone Spring Sand</b>									
7,829.15	9.41	97.82	7,742.80	-144.60	1,052.46	6.43	0.00	0.00	0.00
<b>Drop 2.0°/100'</b>									
7,900.00	7.99	97.82	7,812.83	-146.05	1,063.08	6.50	2.00	-2.00	0.00
8,000.00	5.99	97.82	7,912.09	-147.71	1,075.13	6.57	2.00	-2.00	0.00
8,100.00	3.99	97.82	8,011.70	-148.89	1,083.75	6.62	2.00	-2.00	0.00
8,200.00	1.99	97.82	8,111.56	-149.60	1,088.92	6.65	2.00	-2.00	0.00
8,299.51	0.00	0.00	8,211.05	-149.84	1,090.63	6.67	2.00	-2.00	0.00
<b>Build 10.0°/100'</b>									



Planning Report

<b>Database:</b>	EDM 5000.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Fuller 14/11 B2FC Fed Com #1H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	KB=28 @ 2969.00usft (Patterson 595)
<b>Project:</b>	Eddy Co., NM (NAD 83)	<b>MD Reference:</b>	KB=28 @ 2969.00usft (Patterson 595)
<b>Site:</b>	Fuller 14/11 Fed Com Pad	<b>North Reference:</b>	Grid
<b>Well:</b>	Fuller 14/11 B2FC Fed Com #1H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,350.00	5.05	0.23	8,261.48	-147.62	1,090.64	8.87	10.00	10.00	0.00
8,400.00	10.05	0.23	8,311.03	-141.05	1,090.66	15.37	10.00	10.00	0.00
8,450.00	15.05	0.23	8,359.82	-130.19	1,090.71	26.13	10.00	10.00	0.00
8,450.19	15.05	0.23	8,360.00	-130.14	1,090.71	26.18	0.00	0.00	0.00
<b>2nd Bone Spring Sand</b>									
8,500.00	20.05	0.23	8,407.47	-115.12	1,090.77	41.05	10.04	10.04	0.00
8,550.00	25.05	0.23	8,453.64	-95.95	1,090.84	60.04	10.00	10.00	0.00
8,600.00	30.05	0.23	8,497.95	-72.83	1,090.93	82.93	10.00	10.00	0.00
8,650.00	35.05	0.23	8,540.09	-45.94	1,091.04	109.57	10.00	10.00	0.00
8,700.00	40.05	0.23	8,579.72	-15.48	1,091.16	139.74	10.00	10.00	0.00
8,750.00	45.05	0.23	8,616.54	18.32	1,091.29	173.21	10.00	10.00	0.00
8,800.00	50.05	0.23	8,650.28	55.20	1,091.44	209.74	10.00	10.00	0.00
8,850.00	55.05	0.23	8,680.67	94.88	1,091.60	249.04	10.00	10.00	0.00
8,900.00	60.05	0.23	8,707.49	137.06	1,091.76	290.82	10.00	10.00	0.00
8,950.00	65.05	0.23	8,730.53	181.42	1,091.94	334.75	10.00	10.00	0.00
9,000.00	70.05	0.23	8,749.62	227.61	1,092.12	380.50	10.00	10.00	0.00
9,050.00	75.05	0.23	8,764.61	275.30	1,092.31	427.73	10.00	10.00	0.00
9,100.00	80.05	0.23	8,775.39	324.10	1,092.50	476.07	10.00	10.00	0.00
9,150.00	85.05	0.23	8,781.87	373.67	1,092.70	525.15	10.00	10.00	0.00
9,197.19	89.77	0.23	8,784.00	420.79	1,092.88	571.82	10.00	10.00	0.00
<b>7935' Hold</b>									
9,200.00	89.77	0.23	8,784.01	423.60	1,092.90	574.61	0.00	0.00	0.00
9,300.00	89.77	0.23	8,784.42	523.60	1,093.29	673.65	0.00	0.00	0.00
9,400.00	89.77	0.23	8,784.83	623.60	1,093.69	772.69	0.00	0.00	0.00
9,500.00	89.77	0.23	8,785.23	723.60	1,094.08	871.73	0.00	0.00	0.00
9,600.00	89.77	0.23	8,785.64	823.60	1,094.48	970.77	0.00	0.00	0.00
9,700.00	89.77	0.23	8,786.04	923.60	1,094.87	1,069.81	0.00	0.00	0.00
9,800.00	89.77	0.23	8,786.45	1,023.59	1,095.27	1,168.85	0.00	0.00	0.00
9,900.00	89.77	0.23	8,786.85	1,123.59	1,095.66	1,267.89	0.00	0.00	0.00
10,000.00	89.77	0.23	8,787.26	1,223.59	1,096.06	1,366.93	0.00	0.00	0.00
10,100.00	89.77	0.23	8,787.67	1,323.59	1,096.45	1,465.97	0.00	0.00	0.00
10,200.00	89.77	0.23	8,788.07	1,423.59	1,096.85	1,565.01	0.00	0.00	0.00
10,300.00	89.77	0.23	8,788.48	1,523.59	1,097.24	1,664.05	0.00	0.00	0.00
10,400.00	89.77	0.23	8,788.88	1,623.58	1,097.64	1,763.09	0.00	0.00	0.00
10,500.00	89.77	0.23	8,789.29	1,723.58	1,098.03	1,862.13	0.00	0.00	0.00
10,600.00	89.77	0.23	8,789.69	1,823.58	1,098.43	1,961.17	0.00	0.00	0.00
10,700.00	89.77	0.23	8,790.10	1,923.58	1,098.82	2,060.21	0.00	0.00	0.00
10,800.00	89.77	0.23	8,790.50	2,023.58	1,099.22	2,159.25	0.00	0.00	0.00
10,900.00	89.77	0.23	8,790.91	2,123.58	1,099.61	2,258.29	0.00	0.00	0.00
11,000.00	89.77	0.23	8,791.32	2,223.57	1,100.01	2,357.33	0.00	0.00	0.00
11,100.00	89.77	0.23	8,791.72	2,323.57	1,100.40	2,456.37	0.00	0.00	0.00
11,200.00	89.77	0.23	8,792.13	2,423.57	1,100.80	2,555.41	0.00	0.00	0.00
11,300.00	89.77	0.23	8,792.53	2,523.57	1,101.19	2,654.45	0.00	0.00	0.00
11,400.00	89.77	0.23	8,792.94	2,623.57	1,101.59	2,753.48	0.00	0.00	0.00
11,500.00	89.77	0.23	8,793.34	2,723.57	1,101.98	2,852.52	0.00	0.00	0.00
11,600.00	89.77	0.23	8,793.75	2,823.57	1,102.38	2,951.56	0.00	0.00	0.00
11,700.00	89.77	0.23	8,794.16	2,923.56	1,102.77	3,050.60	0.00	0.00	0.00
11,800.00	89.77	0.23	8,794.56	3,023.56	1,103.17	3,149.64	0.00	0.00	0.00
11,900.00	89.77	0.23	8,794.97	3,123.56	1,103.56	3,248.68	0.00	0.00	0.00
12,000.00	89.77	0.23	8,795.37	3,223.56	1,103.96	3,347.72	0.00	0.00	0.00
12,100.00	89.77	0.23	8,795.78	3,323.56	1,104.35	3,446.76	0.00	0.00	0.00
12,200.00	89.77	0.23	8,796.18	3,423.56	1,104.75	3,545.80	0.00	0.00	0.00
12,300.00	89.77	0.23	8,796.59	3,523.55	1,105.14	3,644.84	0.00	0.00	0.00



Planning Report

<b>Database:</b>	EDM 5000.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Fuller 14/11 B2FC Fed Com #1H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	KB=28 @ 2969.00usft (Patterson 595)
<b>Project:</b>	Eddy Co., NM (NAD 83)	<b>MD Reference:</b>	KB=28 @ 2969.00usft (Patterson 595)
<b>Site:</b>	Fuller 14/11 Fed Com Pad	<b>North Reference:</b>	Grid
<b>Well:</b>	Fuller 14/11 B2FC Fed Com #1H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,400.00	89.77	0.23	8,796.99	3,623.55	1,105.54	3,743.88	0.00	0.00	0.00
12,500.00	89.77	0.23	8,797.40	3,723.55	1,105.93	3,842.92	0.00	0.00	0.00
12,600.00	89.77	0.23	8,797.81	3,823.55	1,106.33	3,941.96	0.00	0.00	0.00
12,700.00	89.77	0.23	8,798.21	3,923.55	1,106.72	4,041.00	0.00	0.00	0.00
12,800.00	89.77	0.23	8,798.62	4,023.55	1,107.12	4,140.04	0.00	0.00	0.00
12,900.00	89.77	0.23	8,799.02	4,123.54	1,107.51	4,239.08	0.00	0.00	0.00
13,000.00	89.77	0.23	8,799.43	4,223.54	1,107.91	4,338.12	0.00	0.00	0.00
13,100.00	89.77	0.23	8,799.83	4,323.54	1,108.30	4,437.16	0.00	0.00	0.00
13,200.00	89.77	0.23	8,800.24	4,423.54	1,108.70	4,536.20	0.00	0.00	0.00
13,300.00	89.77	0.23	8,800.64	4,523.54	1,109.09	4,635.24	0.00	0.00	0.00
13,400.00	89.77	0.23	8,801.05	4,623.54	1,109.49	4,734.28	0.00	0.00	0.00
13,500.00	89.77	0.23	8,801.46	4,723.53	1,109.88	4,833.32	0.00	0.00	0.00
13,600.00	89.77	0.23	8,801.86	4,823.53	1,110.28	4,932.36	0.00	0.00	0.00
13,700.00	89.77	0.23	8,802.27	4,923.53	1,110.67	5,031.40	0.00	0.00	0.00
13,800.00	89.77	0.23	8,802.67	5,023.53	1,111.07	5,130.44	0.00	0.00	0.00
13,900.00	89.77	0.23	8,803.08	5,123.53	1,111.46	5,229.48	0.00	0.00	0.00
14,000.00	89.77	0.23	8,803.48	5,223.53	1,111.86	5,328.52	0.00	0.00	0.00
14,100.00	89.77	0.23	8,803.89	5,323.53	1,112.25	5,427.56	0.00	0.00	0.00
14,200.00	89.77	0.23	8,804.30	5,423.52	1,112.65	5,526.60	0.00	0.00	0.00
14,300.00	89.77	0.23	8,804.70	5,523.52	1,113.04	5,625.64	0.00	0.00	0.00
14,400.00	89.77	0.23	8,805.11	5,623.52	1,113.44	5,724.68	0.00	0.00	0.00
14,500.00	89.77	0.23	8,805.51	5,723.52	1,113.83	5,823.72	0.00	0.00	0.00
14,600.00	89.77	0.23	8,805.92	5,823.52	1,114.23	5,922.76	0.00	0.00	0.00
14,700.00	89.77	0.23	8,806.32	5,923.52	1,114.62	6,021.80	0.00	0.00	0.00
14,800.00	89.77	0.23	8,806.73	6,023.51	1,115.02	6,120.83	0.00	0.00	0.00
14,900.00	89.77	0.23	8,807.13	6,123.51	1,115.41	6,219.87	0.00	0.00	0.00
15,000.00	89.77	0.23	8,807.54	6,223.51	1,115.81	6,318.91	0.00	0.00	0.00
15,100.00	89.77	0.23	8,807.95	6,323.51	1,116.20	6,417.95	0.00	0.00	0.00
15,200.00	89.77	0.23	8,808.35	6,423.51	1,116.60	6,516.99	0.00	0.00	0.00
15,300.00	89.77	0.23	8,808.76	6,523.51	1,116.99	6,616.03	0.00	0.00	0.00
15,400.00	89.77	0.23	8,809.16	6,623.50	1,117.39	6,715.07	0.00	0.00	0.00
15,500.00	89.77	0.23	8,809.57	6,723.50	1,117.78	6,814.11	0.00	0.00	0.00
15,600.00	89.77	0.23	8,809.97	6,823.50	1,118.18	6,913.15	0.00	0.00	0.00
15,700.00	89.77	0.23	8,810.38	6,923.50	1,118.57	7,012.19	0.00	0.00	0.00
15,800.00	89.77	0.23	8,810.79	7,023.50	1,118.97	7,111.23	0.00	0.00	0.00
15,900.00	89.77	0.23	8,811.19	7,123.50	1,119.36	7,210.27	0.00	0.00	0.00
16,000.00	89.77	0.23	8,811.60	7,223.49	1,119.76	7,309.31	0.00	0.00	0.00
16,100.00	89.77	0.23	8,812.00	7,323.49	1,120.15	7,408.35	0.00	0.00	0.00
16,200.00	89.77	0.23	8,812.41	7,423.49	1,120.55	7,507.39	0.00	0.00	0.00
16,300.00	89.77	0.23	8,812.81	7,523.49	1,120.94	7,606.43	0.00	0.00	0.00
16,400.00	89.77	0.23	8,813.22	7,623.49	1,121.34	7,705.47	0.00	0.00	0.00
16,500.00	89.77	0.23	8,813.62	7,723.49	1,121.73	7,804.51	0.00	0.00	0.00
16,592.62	89.77	0.23	8,814.00	7,816.10	1,122.10	7,896.24	0.00	0.00	0.00
<b>TD at 16592.61</b>									



Planning Report

<b>Database:</b>	EDM 5000.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Fuller 14/11 B2FC Fed Com #1H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	KB=28 @ 2969.00usft (Patterson 595)
<b>Project:</b>	Eddy Co., NM (NAD 83)	<b>MD Reference:</b>	KB=28 @ 2969.00usft (Patterson 595)
<b>Site:</b>	Fuller 14/11 Fed Com Pad	<b>North Reference:</b>	Grid
<b>Well:</b>	Fuller 14/11 B2FC Fed Com #1H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Fuller 14-11 B2FC Fei - plan hits target center - Point	0.00	0.00	8,211.05	-149.84	1,090.63	379,225.86	657,867.03	32.042014	-103.957247
Fuller 14-11 B2FC Fei - plan hits target center - Point	0.00	0.00	8,814.00	7,816.10	1,122.10	387,191.80	657,898.50	32.063912	-103.957056

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
120.00	120.00	Rustler			
410.00	410.00	Salt Top			
1,270.11	1,270.00	Castile			
2,864.58	2,845.00	Salt Base			
3,041.97	3,020.00	Delaware (Lamar)			
4,156.96	4,120.00	Manzanita Marker			
6,873.50	6,800.00	Bone Spring			
7,821.24	7,735.00	1st Bone Spring Sand			
8,450.19	8,360.00	2nd Bone Spring Sand			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,095.00	1,095.00	0.00	0.00	Build 2.0°/100'
1,565.36	1,563.25	-5.24	38.17	6264' Hold
7,829.15	7,742.80	-144.60	1,052.46	Drop 2.0°/100'
8,299.51	8,211.05	-149.84	1,090.63	Build 10.0°/100'
9,197.19	8,784.00	420.79	1,092.88	7935' Hold
16,592.62	8,814.00	7,816.10	1,122.10	TD at 16592.61



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

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

Case No. 23346

SELF-AFFIRMED STATEMENT OF NOTICE

James Bruce deposes and states:

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

Date: 4/4/23

James Bruce  
James Bruce

EXHIBIT 4

**JAMES BRUCE**  
ATTORNEY AT LAW

POST OFFICE BOX 1056  
SANTA FE, NEW MEXICO 87504

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

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

[jamesbruc@aol.com](mailto:jamesbruc@aol.com)

March 16, 2023

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

Ladies and gentlemen:

Enclosed are copies of two applications filed with the New Mexico Oil Conservation Division by Mewbourne Oil Company, seeking the relief set forth below:

(i) Case No. 23445: Mewbourne Oil Company seeks an order pooling all uncommitted mineral interest owners in the Wolfcamp formation underlying a horizontal spacing unit comprised of the NW/4 of Section 14 and the W/2 of Section 11, Township 26 South, Range 29 East, NMPM. The unit will be dedicated to: (a) the Fuller 14/11 W1ED Fed. Com. Well No. 1H, with a first take point in the SW/4NW/4 of Section 14 and a last take point in the NW/4NW/4 of Section 11; (b) the Fuller 14/11 W1ED Fed. Com. Well No. 2H, with a first take point in the SW/4NW/4 of Section 14 and a last take point in the NW/4NW/4 of Section 11; (c) the Fuller 14/11 W1FC Fed. Com. Well No. 1H, with a first take point in the SE/4NW/4 of Section 14 and a last take point in the NE/4NW/4 of Section 11; and (d) the Fuller 14/11 W1FC Fed. Com. Well No. 2H, with a first take point in the SE/4NW/4 of Section 14 and a last take point in the NE/4NW/4 of Section 11. The first and last take points of the wells will be 100 feet from the end lines of the well unit, and applicant requests approval of the unorthodox well locations; and

(ii) Case No. 23446: Mewbourne Oil Company seeks an order pooling all uncommitted mineral interest owners in the Bone Spring formation underlying a non-standard horizontal spacing unit comprised of the Bone Spring formation underlying a horizontal well unit comprised of the NW/4 of Section 14 and the W/2 of Section 11, Township 26 South, Range 29 East, NMPM. The unit will be dedicated to: (a) the Fuller 14/11 B2ED Fed. Com. Well No. 1H, with a first take point in the SW/4NW/4 of Section 14 and a last take point in the NW/4NW/4 of Section 11; and (b) the Fuller 14/11 B2FC Fed. Com. Well No. 2H, with a first take point in the SE/4NW/4 of Section 14 and a last take point in the NE/4NW/4 of Section 11. Applicant also requests approval of the non-standard unit.

ATTACHMENT

A

Also to be considered will be the cost of drilling, completing, testing, and equipping the wells and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells, and a 200% charge for the risk involved in drilling, completing, testing, and equipping the wells.

These matters are scheduled for hearing at 8:15 a.m. on Thursday, April 6, 2023. During the current circumstances, state buildings are closed to the public and the hearing will be conducted remotely. To view the hearing docket and to determine how to participate in an electronic hearing, go to <https://www.emnrd.nm.gov/ocd/hearing-info/>, or contact Marlene Salvidrez at [Marlene.Salvidrez@emnrd.nm.gov](mailto:Marlene.Salvidrez@emnrd.nm.gov). You are not required to attend this hearing, but as an owner of an interest who may be affected by the applications, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting these matters at a later date. A party appearing in a Division case is required by Division Rules to file a Pre-Hearing Statement no later than five business days before the hearing date. This statement may be filed online with the Division at [ocd.hearings@emnrd.nm.gov](mailto:ocd.hearings@emnrd.nm.gov), and should include: The name of the party and his or her attorney; a concise statement of the case; the name(s) of the witness(es) the party will call to testify at the hearing; the approximate time the party will need to present his or her case; and identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to the undersigned.

Very truly yours,



James Bruce

Attorney for Mewbourne Oil Company

EXHIBIT A

Working Interest Owners

Nu-Energy Oil & Gas, Inc.  
Address unknown

Carbon Techs Energy, Inc.  
P.O. Box 4548  
Greensboro, North Carolina 27404

Record Title Owners

John F. Green  
43 Haight Ave  
Poughkeepsie, NY 12603

Exco Resources, Inc.  
12377 Merit Dr., Suite 1700  
Dallas, Texas 75251-2256  
Attn: Joshua Raley

RKC, Inc. and  
Vivian M. Kral  
7500 Arapahoe Road, Suite 380  
Centennial, Colorado 80112  
Attn: Anthony Kochevor

K.P. Kauffman Company, Inc.  
Attn: Land Manager  
1675 Broadway #2800  
Denver, CO 80202

Offsets to Non-Standard Unit

COG Operating LLC  
600 W. Illinois Ave.  
Midland, TX 79701  
Attn: Baylor Mitchell

# Carlsbad Current Argus.

PART OF THE USA TODAY NETWORK

## Affidavit of Publication

Ad # 0005637735

This is not an invoice

**JAMES BRUCE ATTORNEY AT LAW**  
POBOX 1056

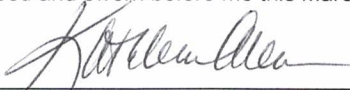
**SANTA FE, NM 87504**

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

03/23/2023

  
\_\_\_\_\_  
Legal Clerk

Subscribed and sworn before me this March 23, 2023:

  
\_\_\_\_\_  
State of WI, County of Brown  
NOTARY PUBLIC

1-7-25  
\_\_\_\_\_  
My commission expires

**KATHLEEN ALLEN**  
Notary Public  
State of Wisconsin

Ad # 0005637735

PO #:

# of Affidavits 1

This is not an invoice

### NOTICE

To: Carbon Techs Energy, Inc. Nu-Energy Oil & Gas, Inc. (as to your working interests); John F. Green, Exco Resources, Inc., RKC, Inc., Vivian M. Kral, and K.P. Kaufman Company, Inc. (as to your record title interests); and COG Operating LLC (as an offset in Case No. 23446), and your heirs, devisees, successors, or assigns: Mewbourne Oil Company has filed the following applications with the New Mexico Oil Conservation Division:

(i) Case No. 23445: Mewbourne Oil Company seeks an order pooling all uncommitted mineral interest owners in the Wolfcamp formation underlying a horizontal spacing unit comprised of the NW/4 of Section 14 and the W/2 of Section 11, Township 26 South, Range 29 East, NMPM. The unit will be dedicated to: (a) the Fuller 14/11 W1ED Fed. Com. Well No. 1H, with a first take point in the SW/4NW/4 of Section 14 and a last take point in the NW/4NW/4 of Section 11; (b) the Fuller 14/11 W1ED Fed. Com. Well No. 2H, with a first take point in the SW/4NW/4 of Section 14 and a last take point in the NW/4NW/4 of Section 11; (c) the Fuller 14/11 W1FC Fed. Com. Well No. 1H, with a first take point in the SE/4NW/4 of Section 14 and a last take point in the NE/4NW/4 of Section 11; and (d) the Fuller 14/11 W1FC Fed. Com. Well No. 2H, with a first take point in the SE/4NW/4 of Section 14 and a last take point in the NE/4NW/4 of Section 11. The first and last take points of the wells will be 100 feet from the end lines of the well unit, and applicant requests approval of the unorthodox well locations; and

(ii) Case No. 23446: Mewbourne Oil Company seeks an order pooling all uncommitted mineral interest owners in the Bone Spring formation underlying a non-standard horizontal spacing unit comprised of the Bone Spring formation underlying a horizontal well unit comprised of the NW/4 of Section 14 and the W/2 of Section 11, Township 26 South, Range 29 East, NMPM. The unit will be dedicated to: (a) the Fuller 14/11 B2ED Fed. Com. Well No. 1H, with a first take point in the SW/4NW/4 of Section 14 and a last take point in the NW/4NW/4 of Section 11; and (b) the Fuller 14/11 B2FC Fed. Com. Well No. 2H, with a first take point in the SE/4NW/4 of Section 14 and a last take point in the NE/4NW/4 of Section 11. Applicant also requests approval of the non-standard unit.

Also to be considered will be the cost of drilling, completing, testing, and equipping the wells and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells, and a 200% charge for the risk involved in drilling, completing, testing, and equipping the wells. These matters are scheduled for hearing on April 6, 2023 at 8:15 a.m. During the current circumstances, state buildings are closed to the public and the hearing will be conducted remotely. To view the hearing docket and to determine how to participate in an electronic hearing, go to <https://www.emnrd.nm.gov/ocd/hearing-info/>, or contact Marlene Salvidrez at [Marlene.Salvidrez@emnrd.nm.gov](mailto:Marlene.Salvidrez@emnrd.nm.gov). 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 Rules to file a Pre-Hearing Statement no later than five business days before the hearing date. This statement may be filed online with the Division at [ocd.hearings@emnrd.nm.gov](mailto:ocd.hearings@emnrd.nm.gov), and should include: The name of the party and his or her attorney; a concise statement of the case; the name(s) of the witness(es) the party will call to testify at the hearing; the approximate time the party will need to present his or her case; and identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to the attorney for applicant, James Bruce, P.O. Box 1056, Santa Fe, New Mexico 87504, [jamesbruc@aol.com](mailto:jamesbruc@aol.com). The units are located approximately 14 miles southeast of Malaga, New Mexico.  
#5637735, Current Argus, March 23, 2023

EXHIBIT

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