

NM OIL CONSERVATION

ARTESIA DISTRICT

DEC 11 2019

Form C-102

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

Revised August 1, 2011

Submit one copy to appropriate
District Office

☒ AMENDED REPORT

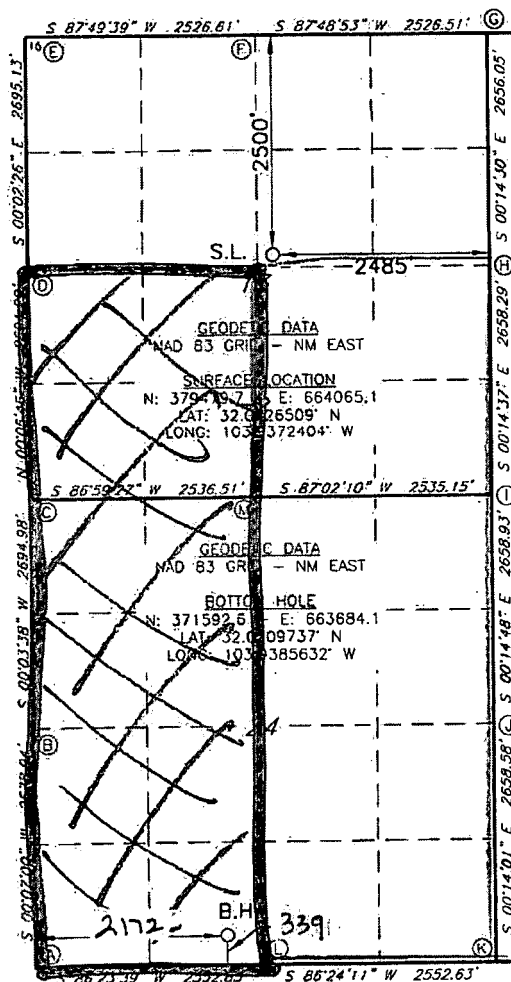
As Drilled

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-45331		² Pool Code 98220		³ Pool Name Purple Sage; Wolfcamp (Gas)	
⁴ Property Code 324944		⁵ Property Name FULLER 13/24 W1KN FED COM			⁶ Well Number 2H
⁷ OGRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY			⁹ Elevation 3003'
¹⁰ Surface Location					
UL or lot no. G	Section 13	Township 26S	Range 29E	Lot Idn	Feet from the 2500
				North/South line NORTH	Feet from the 2485
				East/West line EAST	County EDDY
¹¹ Bottom Hole Location If Different From Surface					
UL or lot no. N	Section 24	Township 26S	Range 29E	Lot Idn	Feet from the 339
				North/South line SOUTH	Feet from the 272
				East/West line WEST	County EDDY
¹² Dedicated Acres		¹³ Joint or Infill		¹⁴ Consolidation Code	
				¹⁵ Order No.	

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



CORNER DATA
NAD 83 GRID - NM EAST
A: FOUND BRASS CAP "1940"
N: 371124.3 - E: 661488.2
B: FOUND BRASS CAP "1940"
N: 373802.7 - E: 661493.7
C: FOUND BRASS CAP "1940"
N: 376497.1 - E: 661496.5
D: FOUND BRASS CAP "1940"
N: 379187.8 - E: 661491.3
E: FOUND BRASS CAP "1940"
N: 381882.4 - E: 661489.4
F: FOUND BRASS CAP "1940"
N: 381978.1 - E: 664013.6
G: FOUND BRASS CAP "1940"
N: 382074.4 - E: 666537.7
H: FOUND BRASS CAP "1940"
N: 379419.0 - E: 666548.9
I: FOUND BRASS CAP "1940"
N: 376761.3 - E: 666560.2
J: FOUND BRASS CAP "1940"
N: 374102.9 - E: 666571.7
K: FOUND 5/8" REBAR
N: 371444.9 - E: 666582.5
L: FOUND BRASS CAP "1940"
N: 371284.8 - E: 664035.5
M: FOUND BRASS CAP "1940"
N: 376630.2 - E: 664029.0

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: Jackie Lathan Date: 10/29/19

Printed Name: Jackie Lathan

E-mail Address:

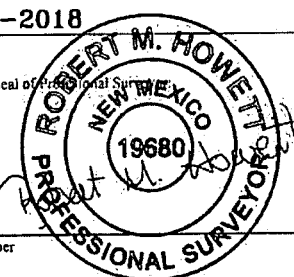
SURVEYOR CERTIFICATION

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.

10-11-2018

Date of Survey

Signature and Seal of Professional Surveyor



19680

Certificate Number

RRC-Job No: LS18101135

RECEIVED

Intent ☐ As Drilled ☒

NOV 08 2019

API #
30-015-45331

DISTRICT II-ARTESIA O.C.D.

Operator Name: Mewbourne Oil Company	Property Name: Fuller 13/24 W1KN Fed Com	Well Number 2H
---	---	-------------------

Kick Off Point (KOP)

UL G	Section 13	Township 26S	Range 29E	Lot	Feet 2546	From N/S N	Feet 2189	From E/W W	County Fddy
Latitude 32.042484					Longitude -103.938481			NAD 83	

First Take Point (FTP)

UL K	Section 13	Township 26S	Range 29E	Lot	Feet 2356	From N/S S	Feet 2415	From E/W W	County Fddy
Latitude 32.041258					Longitude -103.938412			NAD 83	

Last Take Point (LTP)

UL N	Section 24	Township 26S	Range 29E	Lot	Feet 395	From N/S S	Feet 2172	From E/W W	County Fddy
Latitude 32.021170					Longitude -103.938652			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☒

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API # 30-015-45330	Operator Name: Mewbourne Oil Co.	Property Name: Fuller 13/24 W1KN Fed Com	Well Number 1H
-----------------------	-------------------------------------	---	-------------------

KZ 06/29/2018



L T I T U D E
ENERGY PARTNERS

A Certified Directional Survey
requested as required by NMOCD
Rule 19.15.16.14 NMAC

Mewbourne Oil Company

Patterson 564

RECEIVED

NOV 08 2019

DISTRICT/ARTESIAO.C.D.

Fuller 13 24 W1KN Fed Com 2H (AEP19110)

2019-05-16 to 2019-06-13

Eddy, New Mexico, US (32.04, -103.94)

Job Type
Directional



MEWBOURNE
OIL COMPANY

Mewbourne Oil Compnay

Eddy Co., NM (NAD 83)
Fuller 13 24 W1KN Fed Com
2H

OH

Design: OH

Standard Survey Report

10 June, 2019

RECEIVED

NOV 08 2019

DISTRICT/ARTESIAO.C.D.



L T I T U D E
ENERGY PARTNERS

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well 2H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3031.00usft (Patterson 564)
Site:	Fuller 13 24 W1KN Fed Com	MD Reference:	RKB=28' @ 3031.00usft (Patterson 564)
Well:	2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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

Site	Fuller 13 24 W1KN Fed Com	
Site Position:		Northing:
From:	Map	Easting:
Position Uncertainty:	0.00 usft	Slot Radius:
		Latitude:
		Longitude:
		Grid Convergence:

Well	2H					
Well Position	+N/-S	0.00 usft	Northing:	379,479.70 usft	Latitude:	32.042651
	+E/-W	0.00 usft	Easting:	664,065.10 usft	Longitude:	-103.937241
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,003.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	05/03/19	6.91	59.81	47,602.40078099

Design	OH			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	182.77

Survey Program	Date	06/10/19	
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
100.00	18,195.00	MWD Survey (OH)	MWD
			Description
			OWSG MWD - Standard

Survey									
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Turn
Depth	(°)	(°)	Depth	(usft)	(usft)	Section	Rate	Rate	Rate
(usft)			(usft)			(usft)	(°/100usft)	(°/100usft)	(°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.09	96.14	100.00	-0.01	0.08	0.00	0.09	0.09	0.00
200.00	0.22	235.54	200.00	-0.13	0.00	0.13	0.29	0.13	139.40
300.00	0.25	313.63	300.00	-0.08	-0.32	0.10	0.30	0.03	78.09
400.00	0.04	161.11	400.00	0.03	-0.46	-0.01	0.29	-0.21	-152.52
500.00	0.36	299.54	500.00	0.16	-0.73	-0.12	0.39	0.32	138.43
524.00	0.20	160.45	524.00	0.15	-0.78	-0.12	2.20	-0.67	-579.54
672.00	0.98	20.47	671.99	1.10	-0.25	-1.08	0.77	0.53	-94.58
765.00	0.92	61.71	764.98	2.19	0.69	-2.23	0.72	-0.06	44.34
857.00	0.84	5.06	856.97	3.22	1.40	-3.28	0.91	-0.09	-61.58

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well 2H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3031.00usft (Patterson 564)
Site:	Fuller 13 24 W1KN Fed Com	MD Reference:	RKB=28' @ 3031.00usft (Patterson 564)
Well:	2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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)
950.00	1.36	4.10	949.95	5.00	1.54	-5.06	0.56	0.56	-1.03
1,043.00	1.43	352.77	1,042.93	7.25	1.47	-7.31	0.31	0.08	-12.18
1,136.00	1.35	346.67	1,135.90	9.47	1.07	-9.51	0.18	-0.09	-6.56
1,230.00	1.97	317.86	1,229.86	11.74	-0.27	-11.71	1.09	0.66	-30.65
1,414.00	3.24	305.74	1,413.67	17.12	-6.61	-16.78	0.75	0.69	-6.59
1,600.00	2.15	283.24	1,599.46	20.99	-14.28	-20.28	0.81	-0.59	-12.10
1,786.00	3.73	252.92	1,785.22	20.02	-23.46	-18.86	1.16	0.85	-16.30
1,974.00	3.77	235.21	1,972.83	14.69	-34.38	-13.01	0.61	0.02	-9.42
2,159.00	2.24	221.58	2,157.57	8.52	-41.77	-6.49	0.91	-0.83	-7.37
2,345.00	1.61	249.62	2,343.47	4.89	-46.63	-2.63	0.60	-0.34	15.08
2,530.00	1.55	279.98	2,528.40	4.42	-51.54	-1.92	0.45	-0.03	16.41
2,716.00	2.48	265.60	2,714.29	4.54	-58.03	-1.73	0.57	0.50	-7.73
2,901.00	1.55	240.55	2,899.17	3.01	-64.20	0.10	0.68	-0.50	-13.54
3,087.00	1.48	257.35	3,085.11	1.24	-68.73	2.08	0.24	-0.04	9.03
3,274.00	2.56	257.54	3,271.99	-0.19	-75.16	3.82	0.58	0.58	0.10
3,459.00	2.85	257.33	3,456.78	-2.09	-83.69	6.13	0.16	0.16	-0.11
3,645.00	2.72	258.18	3,642.56	-4.00	-92.52	8.47	0.07	-0.07	0.46
3,831.00	2.48	263.05	3,828.37	-5.40	-100.83	10.26	0.18	-0.13	2.62
4,015.00	3.06	259.98	4,012.16	-6.73	-109.62	12.02	0.33	0.32	-1.67
4,201.00	3.12	264.86	4,197.89	-8.05	-119.55	13.82	0.15	0.03	2.62
4,270.00	3.29	260.38	4,266.78	-8.55	-123.37	14.50	0.44	0.25	-6.49
4,400.00	3.73	269.00	4,396.53	-9.24	-131.28	15.58	0.53	0.34	6.63
4,587.00	4.90	276.46	4,583.00	-8.45	-145.30	15.46	0.69	0.63	3.99
4,773.00	5.18	270.12	4,768.28	-7.54	-161.59	15.34	0.33	0.15	-3.41
4,958.00	5.77	262.37	4,952.44	-8.76	-179.15	17.41	0.51	0.32	-4.19
5,144.00	5.64	258.22	5,137.52	-11.87	-197.37	21.39	0.23	-0.07	-2.23
5,330.00	4.29	263.30	5,322.82	-14.54	-213.23	24.83	0.76	-0.73	2.73
5,516.00	3.85	259.10	5,508.35	-16.54	-226.27	27.45	0.29	-0.24	-2.26
5,702.00	3.96	261.50	5,693.92	-18.67	-238.75	30.18	0.11	0.06	1.29
5,888.00	3.83	267.05	5,879.49	-19.94	-251.31	32.06	0.21	-0.07	2.98
6,075.00	3.32	266.09	6,066.13	-20.63	-262.95	33.31	0.27	-0.27	-0.51
6,260.00	4.64	271.10	6,250.68	-20.85	-275.77	34.15	0.74	0.71	2.71
6,447.00	4.79	267.55	6,437.04	-21.04	-291.14	35.08	0.18	0.08	-1.90
6,633.00	3.65	265.77	6,622.54	-21.80	-304.80	36.51	0.62	-0.61	-0.96
6,820.00	3.68	261.54	6,809.16	-23.13	-316.67	38.40	0.15	0.02	-2.26
7,006.00	3.30	263.45	6,994.81	-24.62	-327.89	40.43	0.21	-0.20	1.03
7,191.00	2.89	282.02	7,179.54	-24.25	-337.75	40.55	0.58	-0.22	10.04
7,377.00	2.06	351.48	7,365.41	-19.97	-342.83	36.51	1.56	-0.45	37.34
7,563.00	2.55	313.59	7,551.26	-13.81	-346.32	30.53	0.84	0.26	-20.37
7,748.00	2.35	285.69	7,736.10	-9.95	-352.95	26.99	0.65	-0.11	-15.08
7,933.00	2.90	267.98	7,920.91	-9.08	-361.28	26.53	0.53	0.30	-9.57
8,119.00	1.92	255.72	8,106.74	-10.02	-369.00	27.84	0.59	-0.53	-6.59
8,306.00	0.93	255.30	8,293.68	-11.18	-373.51	29.21	0.53	-0.53	-0.22
8,492.00	1.43	291.09	8,479.65	-10.72	-377.13	28.94	0.47	0.27	19.24

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well 2H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3031.00usft (Patterson 564)
Site:	Fuller 13 24 W1KN Fed Com	MD Reference:	RKB=28' @ 3031.00usft (Patterson 564)
Well:	2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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)	
8,678.00	0.55	203.12	8,665.62	-10.71	-379.65	29.05	0.81	-0.47	-47.30	
8,864.00	1.55	151.97	8,851.59	-13.75	-378.82	32.04	0.69	0.54	-27.50	
9,051.00	1.77	181.93	9,038.52	-18.87	-377.73	37.10	0.47	0.12	16.02	
9,237.00	2.21	175.19	9,224.41	-25.32	-377.52	43.53	0.27	0.24	-3.62	
9,424.00	1.55	177.15	9,411.30	-31.43	-377.09	49.62	0.35	-0.35	1.05	
9,610.00	1.40	212.83	9,597.25	-35.86	-378.20	54.09	0.49	-0.08	19.18	
9,796.00	1.53	217.86	9,783.19	-39.73	-380.96	58.09	0.10	0.07	2.70	
9,980.00	2.00	211.61	9,967.10	-44.40	-384.15	62.91	0.28	0.26	-3.40	
10,022.00	1.92	201.67	10,009.07	-45.68	-384.79	64.22	0.83	-0.19	-23.67	
10,053.00	4.65	181.68	10,040.02	-47.42	-385.02	65.97	9.42	8.81	-64.48	
10,084.00	7.71	175.59	10,070.84	-50.75	-384.90	69.29	10.08	9.87	-19.65	
10,115.00	10.62	175.88	10,101.44	-55.67	-384.53	74.19	9.39	9.39	0.94	
10,146.00	13.14	175.47	10,131.77	-62.03	-384.05	80.52	8.13	8.13	-1.32	
10,177.00	16.28	176.69	10,161.75	-69.89	-383.52	88.34	10.18	10.13	3.94	
10,208.00	19.62	175.82	10,191.24	-79.42	-382.89	97.83	10.81	10.77	-2.81	
10,239.00	22.50	176.01	10,220.17	-90.53	-382.10	108.89	9.29	9.29	0.61	
10,270.00	25.48	176.07	10,248.48	-103.10	-381.23	121.40	9.61	9.61	0.19	
10,301.00	28.53	176.38	10,276.10	-117.14	-380.30	135.39	9.85	9.84	1.00	
10,333.00	29.96	176.79	10,304.02	-132.75	-379.37	150.93	4.51	4.47	1.28	
10,364.00	31.95	174.97	10,330.61	-148.65	-378.22	166.76	7.09	6.42	-5.87	
10,395.00	34.69	174.20	10,356.51	-165.60	-376.61	183.61	8.94	8.84	-2.48	
10,426.00	38.11	174.70	10,381.46	-183.91	-374.83	201.81	11.07	11.03	1.61	
10,457.00	41.56	174.07	10,405.26	-203.67	-372.89	221.45	11.20	11.13	-2.03	
10,488.00	44.87	174.10	10,427.85	-224.78	-370.70	242.43	10.68	10.68	0.10	
10,519.00	48.35	175.16	10,449.14	-247.20	-368.60	264.73	11.50	11.23	3.42	
10,550.00	52.05	176.18	10,468.98	-270.95	-366.80	288.36	12.20	11.94	3.29	
10,581.00	55.62	175.24	10,487.27	-295.90	-364.93	313.19	11.77	11.52	-3.03	
10,612.00	59.21	176.69	10,503.96	-321.95	-363.10	339.12	12.23	11.58	4.68	
10,643.00	62.00	178.31	10,519.18	-348.93	-361.92	366.01	10.09	9.00	5.23	
10,674.00	65.59	179.64	10,532.87	-376.73	-361.43	393.76	12.20	11.58	4.29	
10,705.00	68.99	181.95	10,544.83	-405.32	-361.84	422.33	12.94	10.97	7.45	
10,750.00	73.62	183.90	10,559.25	-447.88	-364.02	464.95	11.08	10.29	4.33	
10,781.00	76.78	183.99	10,567.17	-477.77	-366.08	494.91	10.20	10.19	0.29	
10,812.00	80.05	184.39	10,573.40	-508.06	-368.30	525.26	10.62	10.55	1.29	
10,844.00	81.34	184.81	10,578.57	-539.53	-370.83	556.82	4.23	4.03	1.31	
10,875.00	81.76	184.09	10,583.13	-570.10	-373.21	587.47	2.67	1.35	-2.32	
10,906.00	82.86	181.42	10,587.28	-600.79	-374.69	618.19	9.24	3.55	-8.61	
10,937.00	84.97	180.00	10,590.56	-631.61	-375.07	648.99	8.19	6.81	-4.58	
10,968.00	86.89	179.02	10,592.76	-662.53	-374.80	679.86	6.95	6.19	-3.16	
10,999.00	87.03	178.56	10,594.41	-693.48	-374.15	710.75	1.55	0.45	-1.48	
11,030.00	86.83	179.63	10,596.07	-724.43	-373.66	741.64	3.51	-0.65	3.45	
11,061.00	90.08	180.67	10,596.90	-755.41	-373.74	772.59	11.01	10.48	3.35	
11,123.00	90.73	180.22	10,596.46	-817.41	-374.23	834.54	1.28	1.05	-0.73	

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well 2H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3031.00usft (Patterson 564)
Site:	Fuller 13 24 W1KN Fed Com	MD Reference:	RKB=28' @ 3031.00usft (Patterson 564)
Well:	2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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)	
11,217.00	89.27	178.16	10,596.46	-911.39	-372.90	928.35	2.69	-1.55	-2.19	
11,310.00	92.38	181.51	10,595.12	-1,004.35	-372.63	1,021.19	4.91	3.34	3.60	
11,403.00	93.22	181.34	10,590.58	-1,097.21	-374.94	1,114.05	0.92	0.90	-0.18	
11,497.00	93.03	180.79	10,585.46	-1,191.06	-376.68	1,207.87	0.62	-0.20	-0.59	
11,590.00	88.85	180.40	10,583.93	-1,284.02	-377.65	1,300.77	4.51	-4.49	-0.42	
11,684.00	90.64	187.89	10,584.35	-1,377.70	-384.44	1,394.67	8.19	1.90	7.97	
11,778.00	89.80	190.25	10,583.99	-1,470.52	-399.25	1,488.10	2.66	-0.89	2.51	
11,871.00	88.15	189.46	10,585.65	-1,562.13	-415.17	1,580.37	1.97	-1.77	-0.85	
11,965.00	89.52	183.42	10,587.57	-1,655.47	-425.70	1,674.11	6.59	1.46	-6.43	
12,057.00	88.57	180.50	10,589.10	-1,747.39	-428.85	1,766.08	3.34	-1.03	-3.17	
12,151.00	85.99	177.35	10,593.56	-1,841.25	-427.09	1,859.74	4.33	-2.74	-3.35	
12,244.00	89.97	180.20	10,596.84	-1,934.14	-425.11	1,952.43	5.26	4.28	3.06	
12,337.00	90.20	177.49	10,596.70	-2,027.12	-423.23	2,045.20	2.92	0.25	-2.91	
12,431.00	88.85	174.94	10,597.48	-2,120.90	-417.03	2,138.57	3.07	-1.44	-2.71	
12,525.00	89.07	173.64	10,599.19	-2,214.41	-407.68	2,231.53	1.40	0.23	-1.38	
12,619.00	92.30	176.01	10,598.06	-2,308.00	-399.20	2,324.60	4.26	3.44	2.52	
12,713.00	92.30	174.58	10,594.29	-2,401.61	-391.50	2,417.72	1.52	0.00	-1.52	
12,805.00	91.93	176.00	10,590.89	-2,493.23	-383.95	2,508.88	1.59	-0.40	1.54	
12,995.00	92.21	177.57	10,584.03	-2,682.80	-373.30	2,697.71	0.84	0.15	0.83	
13,088.00	89.97	177.01	10,582.26	-2,775.68	-368.90	2,790.26	2.48	-2.41	-0.60	
13,182.00	92.80	178.51	10,579.99	-2,869.57	-365.23	2,883.86	3.41	3.01	1.60	
13,273.00	90.36	176.94	10,577.48	-2,960.45	-361.62	2,974.47	3.19	-2.68	-1.73	
13,365.00	89.16	178.74	10,577.87	-3,052.38	-358.15	3,066.12	2.35	-1.30	1.96	
13,456.00	87.93	182.57	10,580.18	-3,143.32	-359.19	3,157.01	4.42	-1.35	4.21	
13,550.00	87.93	185.78	10,583.57	-3,237.00	-366.03	3,250.91	3.41	0.00	3.41	
13,642.00	89.36	187.57	10,585.75	-3,328.35	-376.72	3,342.66	2.49	1.55	1.95	
13,736.00	91.62	185.14	10,584.95	-3,421.75	-387.12	3,436.46	3.53	2.40	-2.59	
13,830.00	91.46	181.36	10,582.42	-3,515.55	-392.45	3,530.41	4.02	-0.17	-4.02	
13,923.00	89.66	180.11	10,581.51	-3,608.53	-393.64	3,623.34	2.36	-1.94	-1.34	
14,016.00	90.73	180.36	10,581.19	-3,701.53	-394.02	3,716.25	1.18	1.15	0.27	
14,109.00	89.75	181.16	10,580.80	-3,794.52	-395.26	3,809.19	1.36	-1.05	0.86	
14,201.00	89.64	181.02	10,581.29	-3,886.50	-397.01	3,901.15	0.19	-0.12	-0.15	
14,294.00	90.36	181.35	10,581.29	-3,979.48	-398.93	3,994.11	0.85	0.77	0.35	
14,387.00	89.16	181.54	10,581.68	-4,072.45	-401.27	4,087.08	1.31	-1.29	0.20	
14,480.00	89.30	181.40	10,582.93	-4,165.41	-403.66	4,180.05	0.21	0.15	-0.15	
14,574.00	89.24	181.34	10,584.13	-4,259.37	-405.91	4,274.01	0.09	-0.06	-0.06	
14,667.00	91.88	180.92	10,583.22	-4,352.34	-407.74	4,366.96	2.87	2.84	-0.45	
14,760.00	89.38	180.19	10,582.20	-4,445.33	-408.64	4,459.88	2.80	-2.69	-0.78	
14,852.00	92.16	182.50	10,580.96	-4,537.28	-410.80	4,551.83	3.93	3.02	2.51	
14,945.00	90.90	181.18	10,578.48	-4,630.19	-413.78	4,644.78	1.96	-1.35	-1.42	
15,038.00	89.61	181.70	10,578.07	-4,723.16	-416.12	4,737.75	1.50	-1.39	0.56	
15,131.00	88.79	179.30	10,579.36	-4,816.14	-416.93	4,830.66	2.73	-0.88	-2.58	
15,225.00	91.20	180.34	10,579.37	-4,910.13	-416.64	4,924.53	2.79	2.56	1.11	

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well 2H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3031.00usft (Patterson 564)
Site:	Fuller 13 24 W1KN Fed Com	MD Reference:	RKB=28' @ 3031.00usft (Patterson 564)
Well:	2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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)	
15,318.00	89.61	177.96	10,578.72	-5,003.11	-415.26	5,017.33	3.08	-1.71	-2.56	
15,410.00	90.28	179.21	10,578.80	-5,095.08	-412.99	5,109.08	1.54	0.73	1.36	
15,503.00	89.75	178.03	10,578.78	-5,188.05	-410.75	5,201.84	1.39	-0.57	-1.27	
15,597.00	89.38	178.63	10,579.49	-5,282.01	-408.01	5,295.55	0.75	-0.39	0.64	
15,690.00	89.86	178.31	10,580.11	-5,374.97	-405.52	5,388.29	0.62	0.52	-0.34	
15,785.00	89.44	179.32	10,580.69	-5,469.95	-403.56	5,483.06	1.15	-0.44	1.06	
15,878.00	89.69	178.60	10,581.40	-5,562.93	-401.87	5,575.85	0.82	0.27	-0.77	
15,972.00	89.92	178.57	10,581.72	-5,656.90	-399.55	5,669.60	0.25	0.24	-0.03	
16,065.00	89.75	178.10	10,581.98	-5,749.86	-396.85	5,762.32	0.54	-0.18	-0.51	
16,159.00	90.34	179.20	10,581.91	-5,843.83	-394.63	5,856.07	1.33	0.63	1.17	
16,252.00	90.22	178.80	10,581.46	-5,936.81	-393.01	5,948.87	0.45	-0.13	-0.43	
16,345.00	90.70	179.09	10,580.71	-6,029.80	-391.30	6,041.66	0.60	0.52	0.31	
16,438.00	90.28	179.24	10,579.91	-6,122.78	-389.94	6,134.47	0.48	-0.45	0.16	
16,532.00	90.34	179.86	10,579.40	-6,216.78	-389.21	6,228.32	0.66	0.06	0.66	
16,625.00	90.08	179.73	10,579.06	-6,309.78	-388.87	6,321.20	0.31	-0.28	-0.14	
16,718.00	90.03	181.27	10,578.97	-6,402.77	-389.68	6,414.12	1.66	-0.05	1.66	
16,812.00	90.17	182.57	10,578.81	-6,496.71	-392.83	6,508.11	1.39	0.15	1.38	
16,905.00	90.08	182.42	10,578.61	-6,589.63	-396.88	6,601.11	0.19	-0.10	-0.16	
16,998.00	90.31	183.38	10,578.29	-6,682.51	-401.59	6,694.10	1.06	0.25	1.03	
17,092.00	90.06	182.80	10,577.99	-6,776.37	-406.65	6,788.10	0.67	-0.27	-0.62	
17,185.00	90.42	183.77	10,577.60	-6,869.21	-411.98	6,881.10	1.11	0.39	1.04	
17,278.00	90.53	183.04	10,576.83	-6,962.04	-417.51	6,974.09	0.79	0.12	-0.78	
17,372.00	90.22	183.03	10,576.21	-7,055.91	-422.48	7,068.08	0.33	-0.33	-0.01	
17,465.00	90.20	181.06	10,575.87	-7,148.85	-425.80	7,161.07	2.12	-0.02	-2.12	
17,558.00	89.97	180.04	10,575.73	-7,241.84	-426.69	7,254.00	1.12	-0.25	-1.10	
17,651.00	90.50	180.16	10,575.35	-7,334.84	-426.86	7,346.90	0.58	0.57	0.13	
17,745.00	90.48	179.22	10,574.55	-7,428.83	-426.35	7,440.76	1.00	-0.02	-1.00	
17,838.00	90.53	178.83	10,573.73	-7,521.82	-424.77	7,533.56	0.42	0.05	-0.42	
17,932.00	90.03	178.00	10,573.27	-7,615.78	-422.17	7,627.28	1.03	-0.53	-0.88	
18,026.00	90.42	177.24	10,572.90	-7,709.70	-418.26	7,720.90	0.91	0.41	-0.81	
18,118.00	90.11	176.97	10,572.47	-7,801.58	-413.62	7,812.45	0.45	-0.34	-0.29	
18,156.00	89.97	175.96	10,572.45	-7,839.50	-411.27	7,850.22	2.68	-0.37	-2.66	
Last MWD Survey @ 18156'										
18,195.00	89.97	175.96	10,572.47	-7,878.41	-408.53	7,888.94	0.00	0.00	0.00	
PTB @ 18195'										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
18,156.00	10,572.45	-7,839.50	-411.27	Last MWD Survey @ 18156'	
18,195.00	10,572.47	-7,878.41	-408.53	PTB @ 18195'	

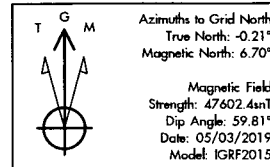
Company:	Mewbourne Oil Compnay	Local Co-ordinate Reference:	Well 2H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3031.00usft (Patterson 564)
Site:	Fuller 13 24 W1KN Fed Com	MD Reference:	RKB=28' @ 3031.00usft (Patterson 564)
Well:	2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Checked By: _____ Approved By: _____ Date: _____

Plan #1



Project: Eddy Co., NM (NAD 83)
 Site: Fuller 13 24 W1KN Fed Com
 Well: 2H
 Wellbore: OH
 Design: Plan #1
 Lat: 32.042651
 Long: -103.937241
 GL: 3003.00
 KB: RKB=28' @ 3031.00usft (Patterson 564)



WELL DETAILS: 2H

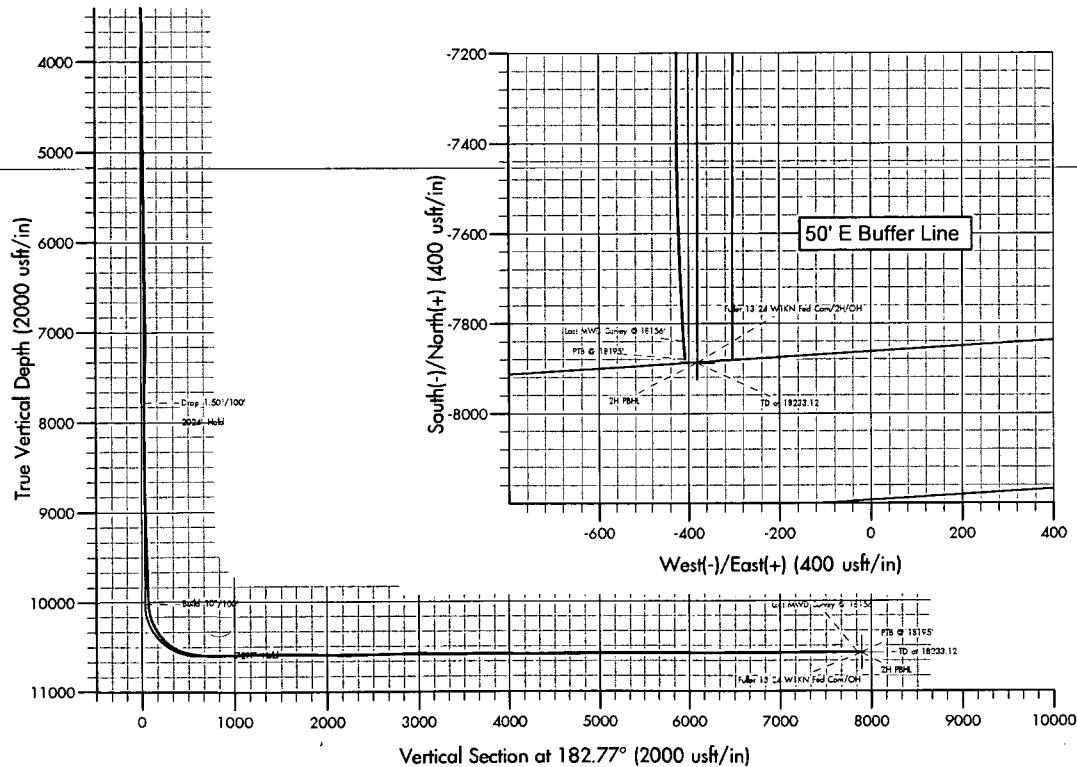
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	379479.70	664065.10	32.042651	-103.937241

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
2H PBHL	10577.00	-7887.10	-381.00	371592.60	663684.10	Point

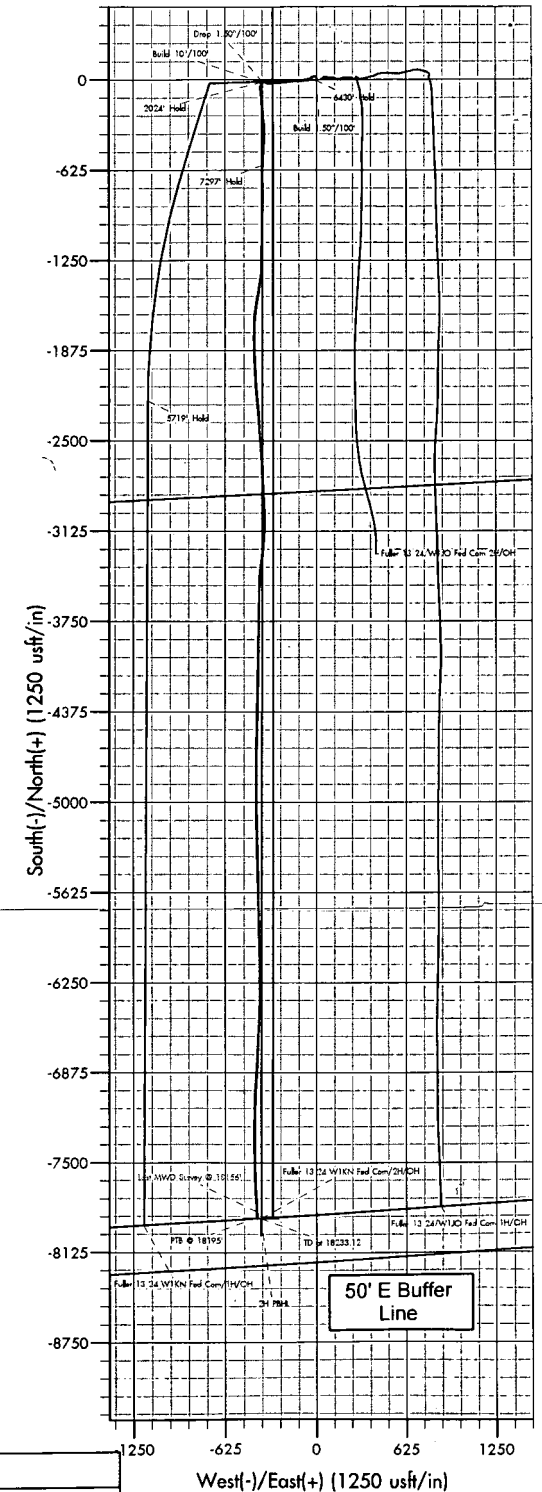
SECTION DETAILS

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	
1150.00	0.00	0.00	1150.00	0.00	0.00	0.00	0.00	0.00	Build 1.50°/100'
1365.33	3.23	267.61	1365.22	-0.25	-6.06	1.50	267.61	0.55	6430' Hold
7795.20	3.23	267.61	7784.87	-15.36	-368.03	0.00	0.00	33.10	Drop 1.50°/100'
8010.53	0.00	0.00	8000.09	-15.61	-374.10	1.50	180.00	33.65	2024' Hold
10034.54	0.00	0.00	10024.10	-15.61	-374.10	0.00	0.00	33.65	Build 10°/100'
10936.14	90.16	179.85	10597.06	-590.17	-372.59	10.00	179.85	607.46	7297' Hold
13115.96	90.16	180.10	10591.02	-2769.98	-371.72	0.01	90.67	2784.69	
18233.11	90.16	180.10	10577.00	-7887.10	-381.00	0.00	0.00	7896.30	TD at 18233.12



Formation Tops

No formation data is available



Plan: Plan #1 (2H/OH)

Created By: Marcus Spurgin Date: 7:40, June 10, 2019