

NM OIL CONSERVATION

ARTESIA DISTRICT

DEC 11 2019

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

District I

1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III

1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

RECEIVED

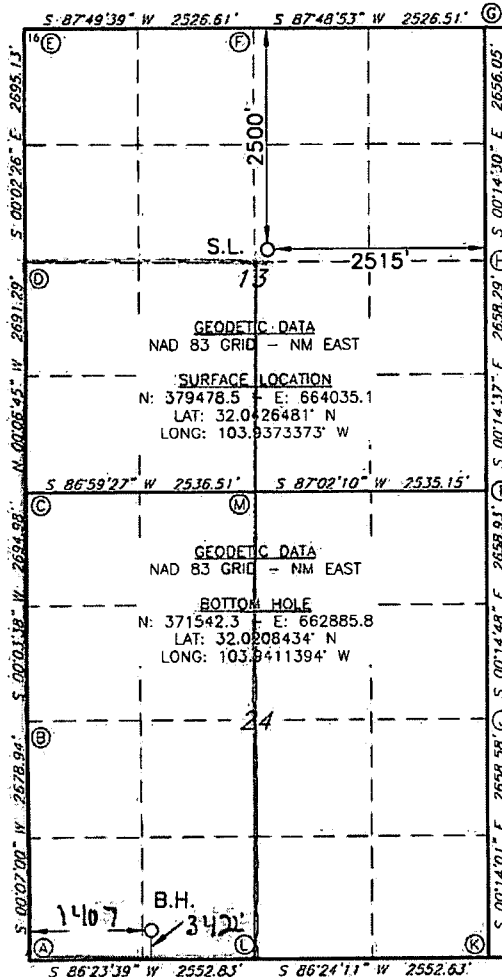
☒ AMENDED REPORT

As drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-45330		2 Pool Code 98220		3 Pool Name Purple Sage, Wolfcamp (Gas)	
4 Property Code 324944		5 Property Name FULLER 13/24 W1KN FED COM			
7 GRID NO. 14744		8 Operator Name MEWBOURNE OIL COMPANY			
		9 Elevation 3000'			
10 Surface Location					
UL or lot no. G	Section 13	Township 26S	Range 29E	Lot Idn 2500	Feet from the NORTH 2515
11 Bottom Hole Location If Different From Surface					
UL or lot no. N	Section 24	Township 26S	Range 29E	Lot Idn 342	Feet from the SOUTH 1407
12 Dedicated Acres 480		13 Joint or Infill		14 Consolidation Code	
15 Order No.					

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



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

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: Jackie Lathan Date: 10/29/19
Printed Name: Jackie Lathan

E-mail Address

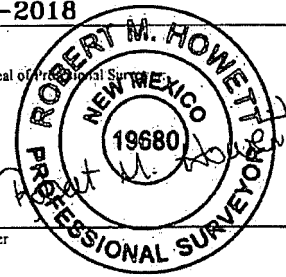
18 SURVEYOR CERTIFICATION

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

10-11-2018

Date of Survey

Signature and Seal of Professional Surveyor



19680

Certificate Number

RRC-Job No: LS18101134

RECEIVED

Intent ☐ As Drilled ☒

NOV 08 2019

API #
30-015-45330Operator Name:
Mewbourne Oil CompanyProperty Name:
Fuller 13/24 W1KN Fed Com~~DISTRICT ARTESIAN~~
Well Number
1H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
6	13	265	29E		2673	N	2506	W	Eddy
Latitude 32.042173					Longitude -103.937463			NAD 83	

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
K	13	265	29E		2045	S	2029	W	Eddy
Latitude 32.040520					Longitude -103.939009			NAD 83	

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
N	24	265	29E		398	S	1407	W	Eddy
Latitude 32.021033					Longitude -103.941116			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 #

Operator Name:

Property Name:

Well Number

KZ 06/29/2018



Mewbourne Oil Company

Patterson 564

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

Fuller 13 24 W1KN Fed Com 1H (AEP19128)

2019-06-07 to 2019-07-10

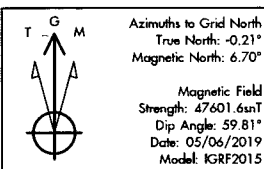
Eddy, New Mexico, US (32.04, -103.94)

Job Type
Directional

Plan #2



Project: Eddy Co., NM (NAD 83)
 Site: Fuller 13 24 W1KN Fed Com
 Well: 1H
 Wellbore: OH
 Design: Plan #2
 Lat: 32.042648
 Long: -103.937337
 GL: 3000.00
 KB: RK8=28' @ 3028.00usft (Patterson 564)



WELL DETAILS: 1H

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	379478.50	664035.10	32.042648	-103.937337

WELLBORE TARGET DETAILS (LAT/LONG)

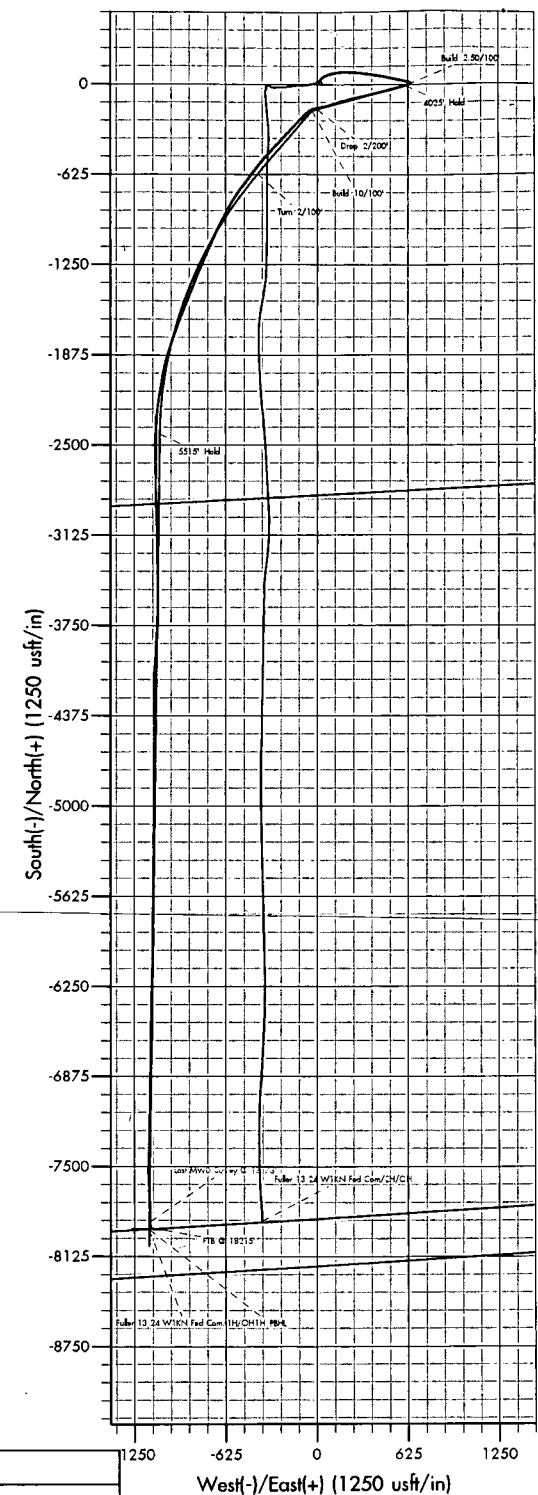
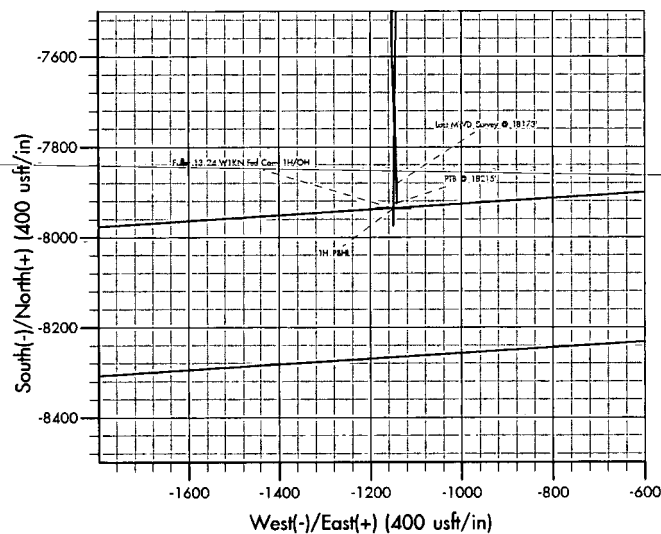
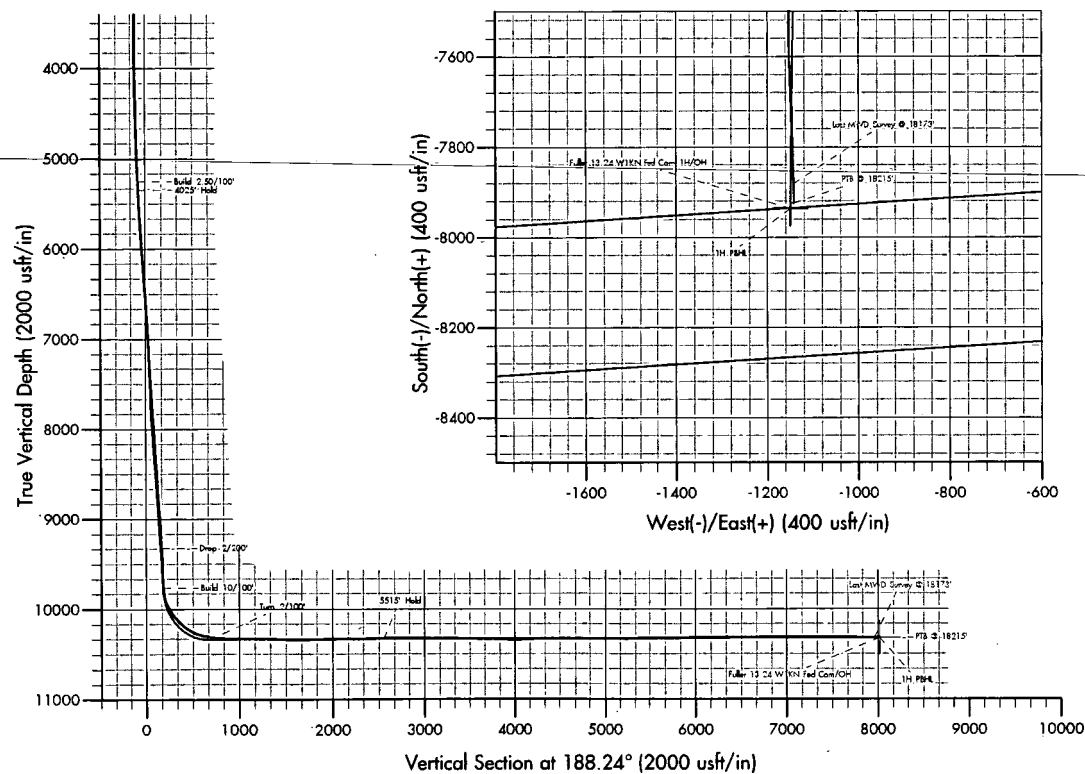
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
1H PBHL	10318.00	-7936.20	-1149.30	371542.30	662885.80	Point

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
5327.00	6.55	254.90	5252.03	-3.66	619.37	0.00	0.00	-85.15	Build 2.50/100'
5425.00	9.00	255.00	5349.12	-7.10	606.57	2.50	0.37	-79.91	4025' Hold
9450.00	9.00	255.00	9324.57	-170.06	-1.42	0.00	0.00	168.54	Drop 2/200'
9895.17	0.10	270.00	9767.89	-179.09	-35.71	2.00	179.83	182.36	Build 10/100'
10796.23	90.17	220.00	10340.20	-618.81	-405.68	10.00	-50.00	670.57	Turn 2/100'
12757.96	90.17	180.77	10334.18	-2421.99	-1075.66	2.00	-89.94	2551.15	5515' Hold
18272.69	90.17	180.77	10318.00	-7936.20	-1149.30	0.00	0.00	8018.99	TD at 18272.68

Formation Tops

No formation data is available



Plan: Plan #2 (1H/OH)

Created By: Marcus Spurgin

Date: 8:11, July 04 2019



MEWBOURNE
OIL COMPANY

Mewbourne Oil Compnay

Eddy Co., NM (NAD 83)
Fuller 13 24 W1KN Fed Com
1H

OH

Design: OH

Standard Survey Report

04 July, 2019



ALTITUDE
ENERGY PARTNERS

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well 1H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3028.00usft (Patterson 564)
Site:	Fuller 13 24 W1KN Fed Com	MD Reference:	RKB=28' @ 3028.00usft (Patterson 564)
Well:	1H	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	1H	
Well Position	+N/-S	0.00 usft
	+E/-W	0.00 usft
Position Uncertainty	0.00 usft	
	Wellhead Elevation:	
		Latitude:
		Longitude:
		Ground Level:

Wellbore	OH	
Magnetics	Model Name	Sample Date
	IGRF2015	05/06/19
	Declination	Dip Angle
	(°)	(°)
	6.91	59.81
		Field Strength
		(nT)
		47,601.56990974

Design	OH	
Audit Notes:		
Version:	1.0	Phase:
		ACTUAL
		Tie On Depth:
		0.00
Vertical Section:	Depth From (TVD)	+N/-S
	(usft)	(usft)
	0.00	0.00
		+E/-W
		(usft)
		0.00
		Direction
		(°)
		188.24

Survey Program	Date	07/04/19	
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
100.00	4,333.00	Gyros (OH)	GYRO-MWD
4,396.00	18,215.00	MWD Survey (OH)	MWD
			Description
			OWSG Gyro MWD
			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	0.10	241.79	100.00	-0.04	-0.08	0.05	0.10	0.10	0.00
200.00	0.26	3.66	200.00	0.14	-0.14	-0.12	0.32	0.16	121.87
300.00	0.26	313.10	300.00	0.53	-0.29	-0.48	0.22	0.00	-50.56
400.00	0.43	35.82	400.00	0.98	-0.24	-0.94	0.47	0.17	82.72
500.00	0.60	28.07	499.99	1.75	0.23	-1.77	0.18	0.17	-7.75
541.00	0.55	32.99	540.99	2.11	0.44	-2.15	0.17	-0.12	12.00
600.00	0.71	8.55	599.99	2.70	0.65	-2.77	0.52	0.27	-41.42
700.00	1.31	37.34	699.97	4.23	1.43	-4.39	0.77	0.60	28.79
800.00	1.43	28.83	799.94	6.23	2.73	-6.55	0.24	0.12	-8.51

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well 1H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3028.00usft (Patterson 564)
Site:	Fuller 13 24 W1KN Fed Com	MD Reference:	RKB=28' @ 3028.00usft (Patterson 564)
Well:	1H	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)
900.00	1.62	36.51	899.91	8.46	4.17	-8.97	0.28	0.19	7.68
1,000.00	2.25	35.84	999.85	11.18	6.16	-11.95	0.63	0.63	-0.67
1,100.00	2.54	35.30	1,099.76	14.58	8.59	-15.66	0.29	0.29	-0.54
1,200.00	3.02	29.16	1,199.65	18.69	11.15	-20.10	0.56	0.48	-6.14
1,300.00	3.79	38.56	1,299.47	23.58	14.50	-25.41	0.95	0.77	9.40
1,400.00	4.25	34.91	1,399.22	29.20	18.68	-31.58	0.53	0.46	-3.65
1,500.00	4.62	38.85	1,498.92	35.38	23.32	-38.35	0.48	0.37	3.94
1,600.00	4.42	42.72	1,598.61	41.34	28.47	-45.00	0.36	-0.20	3.87
1,700.00	4.04	51.94	1,698.34	46.35	33.85	-50.72	0.78	-0.38	9.22
1,800.00	3.38	53.01	1,798.13	50.29	38.98	-55.36	0.66	-0.66	1.07
1,900.00	3.47	56.90	1,897.95	53.72	43.87	-59.45	0.25	0.09	3.89
2,000.00	3.91	64.87	1,997.75	56.82	49.49	-63.33	0.67	0.44	7.97
2,100.00	4.44	64.86	2,097.48	59.91	56.08	-67.33	0.53	0.53	-0.01
2,200.00	5.83	67.60	2,197.08	63.49	64.28	-72.05	1.41	1.39	2.74
2,300.00	7.37	70.79	2,296.41	67.54	75.04	-77.59	1.58	1.54	3.19
2,400.00	8.70	73.39	2,395.43	71.81	88.34	-83.73	1.38	1.33	2.60
2,500.00	9.58	76.16	2,494.16	75.96	103.67	-90.04	0.98	0.88	2.77
2,600.00	10.29	79.35	2,592.66	79.60	120.53	-96.06	0.90	0.71	3.19
2,700.00	10.96	82.20	2,690.94	82.54	138.72	-101.57	0.85	0.67	2.85
2,800.00	11.47	85.69	2,789.03	84.58	158.06	-106.36	0.85	0.51	3.49
2,900.00	12.11	88.10	2,886.93	85.68	178.46	-110.37	0.81	0.64	2.41
3,000.00	12.77	89.92	2,984.58	86.04	199.99	-113.81	0.77	0.66	1.82
3,100.00	13.10	92.01	3,082.04	85.66	222.37	-116.64	0.57	0.33	2.09
3,200.00	13.48	93.91	3,179.36	84.47	245.32	-118.75	0.58	0.38	1.90
3,300.00	13.64	95.21	3,276.58	82.60	268.69	-120.26	0.34	0.16	1.30
3,400.00	13.78	96.10	3,373.73	80.26	292.28	-121.32	0.25	0.14	0.89
3,500.00	14.43	96.76	3,470.71	77.53	316.49	-122.09	0.67	0.65	0.66
3,600.00	15.21	97.63	3,567.38	74.32	341.87	-122.55	0.81	0.78	0.87
3,700.00	15.77	98.30	3,663.75	70.62	368.32	-122.68	0.59	0.56	0.67
3,800.00	16.19	98.72	3,759.89	66.54	395.54	-122.55	0.44	0.42	0.42
3,900.00	16.34	99.68	3,855.88	62.07	423.19	-122.08	0.31	0.15	0.96
4,000.00	16.54	100.81	3,951.80	57.03	451.04	-121.08	0.38	0.20	1.13
4,100.00	16.76	101.18	4,047.60	51.57	479.17	-119.71	0.24	0.22	0.37
4,200.00	17.43	102.03	4,143.18	45.65	507.96	-117.98	0.72	0.67	0.85
4,300.00	16.92	101.98	4,238.73	39.51	536.84	-116.04	0.51	-0.51	-0.05
4,333.00	15.81	103.13	4,270.39	37.49	545.92	-115.34	3.50	-3.36	3.48
4,396.00	14.68	102.61	4,331.17	33.80	562.07	-114.00	1.81	-1.79	-0.83
4,583.00	12.24	102.00	4,513.02	24.50	604.59	-110.90	1.31	-1.30	-0.33
4,769.00	7.85	105.05	4,696.13	17.10	636.15	-108.10	2.38	-2.36	1.64
4,955.00	2.86	194.80	4,881.47	9.30	647.25	-101.97	4.48	-2.68	48.25
5,141.00	5.37	250.87	5,067.03	1.96	637.84	-93.35	2.40	1.35	30.15
5,327.00	6.55	254.90	5,252.03	-3.66	619.37	-85.15	0.67	0.63	2.17
5,512.00	6.13	254.00	5,435.90	-9.13	599.69	-76.91	0.23	-0.23	-0.49

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well 1H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3028.00usft (Patterson 564)
Site:	Fuller 13 24 W1KN Fed Com	MD Reference:	RKB=28' @ 3028.00usft (Patterson 564)
Well:	1H	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)
5,698.00	8.78	250.74	5,620.31	-16.55	576.74	-66.28	1.44	1.42	-1.75
5,884.00	10.20	258.78	5,803.77	-24.44	547.18	-54.24	1.04	0.76	4.32
6,071.00	10.00	256.05	5,987.87	-31.57	515.18	-42.59	0.28	-0.11	-1.46
6,257.00	10.39	255.32	6,170.93	-39.72	483.29	-29.96	0.22	0.21	-0.39
6,443.00	10.98	253.03	6,353.71	-49.14	450.12	-15.88	0.39	0.32	-1.23
6,630.00	10.93	258.79	6,537.30	-57.78	415.69	-2.39	0.59	-0.03	3.08
6,816.00	9.21	258.00	6,720.43	-64.31	383.83	8.63	0.93	-0.92	-0.42
7,002.00	7.98	255.62	6,904.34	-70.61	356.77	18.75	0.69	-0.66	-1.28
7,187.00	6.43	252.35	7,087.87	-76.94	334.46	28.21	0.87	-0.84	-1.77
7,373.00	7.40	260.52	7,272.52	-82.07	312.72	36.40	0.74	0.52	4.39
7,559.00	7.45	256.58	7,456.97	-86.84	289.17	44.50	0.28	0.03	-2.12
7,744.00	7.43	263.00	7,640.41	-91.08	265.63	52.07	0.45	-0.01	3.47
7,930.00	6.12	254.84	7,825.11	-95.14	244.12	59.17	0.87	-0.70	-4.39
8,115.00	8.34	250.38	8,008.63	-102.23	221.97	69.36	1.24	1.20	-2.41
8,302.00	8.96	255.73	8,193.51	-110.37	195.08	81.27	0.54	0.33	2.86
8,488.00	10.01	252.84	8,376.96	-118.71	165.59	93.75	0.62	0.56	-1.55
8,674.00	10.22	254.75	8,560.07	-127.82	134.23	107.26	0.21	0.11	1.03
8,861.00	9.09	251.52	8,744.42	-136.87	104.21	120.52	0.67	-0.60	-1.73
9,048.00	9.99	256.67	8,928.84	-145.29	74.42	133.12	0.66	0.48	2.75
9,233.00	9.87	257.21	9,111.07	-152.50	43.34	144.71	0.08	-0.06	0.29
9,420.00	9.19	258.99	9,295.48	-158.90	13.05	155.39	0.40	-0.36	0.95
9,606.00	8.91	254.70	9,479.17	-165.53	-15.42	166.04	0.39	-0.15	-2.31
9,793.00	5.78	248.17	9,664.62	-172.86	-38.14	176.54	1.73	-1.67	-3.49
9,837.00	5.33	246.93	9,708.41	-174.48	-42.07	178.71	1.06	-1.02	-2.82
9,935.00	8.53	231.03	9,805.69	-180.84	-51.91	186.41	3.78	3.27	-16.22
9,966.00	12.37	230.00	9,836.17	-184.42	-56.25	190.58	12.40	12.39	-3.32
9,997.00	16.55	230.28	9,866.18	-189.38	-62.19	196.34	13.49	13.48	0.90
10,028.00	20.34	227.10	9,895.58	-195.87	-69.54	203.82	12.64	12.23	-10.26
10,059.00	24.86	224.51	9,924.20	-204.19	-78.05	213.27	14.93	14.58	-8.35
10,091.00	28.65	222.96	9,952.77	-214.61	-88.00	225.00	12.04	11.84	-4.84
10,122.00	31.27	223.12	9,979.62	-225.92	-98.57	237.71	8.46	8.45	0.52
10,153.00	33.28	224.24	10,005.83	-237.89	-110.00	251.20	6.76	6.48	3.61
10,184.00	35.93	223.76	10,031.34	-250.55	-122.23	265.48	8.59	8.55	-1.55
10,215.00	39.10	223.58	10,055.93	-264.21	-135.26	280.86	10.23	10.23	-0.58
10,246.00	42.13	223.97	10,079.46	-278.77	-149.22	297.28	9.81	9.77	1.26
10,277.00	44.86	223.82	10,101.95	-294.15	-164.01	314.62	8.81	8.81	-0.48
10,308.00	46.44	223.05	10,123.61	-310.25	-179.25	332.73	5.40	5.10	-2.48
10,339.00	47.97	222.22	10,144.68	-326.98	-194.66	351.50	5.31	4.94	-2.68
10,371.00	50.42	222.28	10,165.59	-344.91	-210.94	371.58	7.66	7.66	0.19
10,402.00	53.47	221.59	10,184.69	-363.07	-227.25	391.89	9.99	9.84	-2.23
10,433.00	57.14	222.93	10,202.33	-381.92	-244.39	413.01	12.36	11.84	4.32
10,464.00	59.66	223.40	10,218.58	-401.18	-262.46	434.65	8.23	8.13	1.52
10,495.00	62.08	223.50	10,233.67	-420.84	-281.08	456.78	7.81	7.81	0.32

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well 1H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3028.00usft (Patterson 564)
Site:	Fuller 13 24 W1KN Fed Com	MD Reference:	RKB=28' @ 3028.00usft (Patterson 564)
Well:	1H	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)
10,526.00	64.24	222.56	10,247.66	-441.06	-299.95	479.49	7.47	6.97	-3.03
10,557.00	67.28	222.11	10,260.39	-461.95	-318.98	502.90	9.90	9.81	-1.45
10,588.00	70.02	222.14	10,271.67	-483.36	-338.35	526.86	8.84	8.84	0.10
10,655.00	76.25	218.77	10,291.11	-532.14	-379.90	581.09	10.47	9.30	-5.03
10,686.00	78.80	218.22	10,297.80	-555.83	-398.74	607.24	8.41	8.23	-1.77
10,717.00	79.77	217.05	10,303.57	-579.95	-417.34	633.77	4.85	3.13	-3.77
10,748.00	80.34	216.67	10,308.92	-604.38	-435.65	660.58	2.20	1.84	-1.23
10,779.00	80.68	216.29	10,314.03	-628.96	-453.83	687.51	1.63	1.10	-1.23
10,811.00	81.76	216.48	10,318.92	-654.42	-472.59	715.40	3.43	3.38	0.59
10,842.00	84.58	216.52	10,322.60	-679.16	-490.90	742.51	9.10	9.10	0.13
10,873.00	86.13	216.12	10,325.11	-704.06	-509.20	769.77	5.16	5.00	-1.29
10,904.00	86.63	216.53	10,327.07	-728.98	-527.52	797.06	2.08	1.61	1.32
10,935.00	87.28	214.61	10,328.72	-754.16	-545.53	824.56	6.53	2.10	-6.19
10,966.00	88.09	212.55	10,329.97	-779.97	-562.66	852.55	7.14	2.61	-6.65
11,029.00	88.68	209.43	10,331.75	-833.94	-595.08	910.62	5.04	0.94	-4.95
11,122.00	88.85	206.28	10,333.75	-916.14	-638.52	998.19	3.39	0.18	-3.39
11,215.00	91.37	206.97	10,333.57	-999.27	-680.19	1,086.44	2.81	2.71	0.74
11,308.00	89.64	203.57	10,332.75	-1,083.35	-719.89	1,175.34	4.10	-1.86	-3.66
11,402.00	89.50	203.36	10,333.46	-1,169.58	-757.31	1,266.04	0.27	-0.15	-0.22
11,495.00	89.02	202.80	10,334.66	-1,255.12	-793.77	1,355.93	0.79	-0.52	-0.60
11,589.00	87.11	201.39	10,337.83	-1,342.16	-829.10	1,447.14	2.53	-2.03	-1.50
11,682.00	90.20	202.48	10,340.01	-1,428.40	-863.83	1,537.45	3.52	3.32	1.17
11,777.00	89.24	200.58	10,340.48	-1,516.76	-898.69	1,629.90	2.24	-1.01	-2.00
11,870.00	91.06	199.46	10,340.24	-1,604.14	-930.53	1,720.94	2.30	1.96	-1.20
11,963.00	90.78	201.03	10,338.74	-1,691.38	-962.70	1,811.89	1.71	-0.30	1.69
12,055.00	93.45	198.69	10,335.35	-1,777.83	-993.93	1,901.93	3.86	2.90	-2.54
12,150.00	92.80	196.18	10,330.17	-1,868.33	-1,022.35	1,995.56	2.73	-0.68	-2.64
12,243.00	89.61	191.46	10,328.21	-1,958.58	-1,044.55	2,088.06	6.12	-3.43	-5.08
12,336.00	85.62	189.58	10,332.08	-2,049.91	-1,061.51	2,180.88	4.74	-4.29	-2.02
12,429.00	89.89	188.50	10,335.72	-2,141.66	-1,076.11	2,273.78	4.74	4.59	-1.16
12,525.00	92.97	187.83	10,333.33	-2,236.65	-1,089.74	2,369.74	3.28	3.21	-0.70
12,619.00	92.66	184.23	10,328.71	-2,330.00	-1,099.60	2,463.54	3.84	-0.33	-3.83
12,713.00	91.54	180.84	10,325.26	-2,423.83	-1,103.75	2,557.00	3.80	-1.19	-3.61
12,805.00	89.64	179.40	10,324.32	-2,515.82	-1,103.95	2,648.06	2.59	-2.07	-1.57
12,899.00	89.64	179.09	10,324.91	-2,609.81	-1,102.71	2,740.91	0.33	0.00	-0.33
12,992.00	90.48	179.63	10,324.81	-2,702.80	-1,101.67	2,832.79	1.07	0.90	0.58
13,085.00	89.50	179.33	10,324.83	-2,795.80	-1,100.82	2,924.70	1.10	-1.05	-0.32
13,179.00	89.24	178.49	10,325.86	-2,889.77	-1,099.04	3,017.45	0.94	-0.28	-0.89
13,270.00	89.86	178.72	10,326.57	-2,980.74	-1,096.82	3,107.17	0.73	0.68	0.25
13,361.00	89.89	178.86	10,326.77	-3,071.72	-1,094.90	3,196.93	0.16	0.03	0.15
13,453.00	89.47	178.59	10,327.29	-3,163.70	-1,092.85	3,287.66	0.54	-0.46	-0.29
13,546.00	88.82	179.50	10,328.67	-3,256.67	-1,091.30	3,379.46	1.20	-0.70	0.98
13,639.00	90.00	179.50	10,329.63	-3,349.66	-1,090.49	3,471.37	1.27	1.27	0.00
13,733.00	89.33	178.22	10,330.18	-3,443.64	-1,088.62	3,564.11	1.54	-0.71	-1.36

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well 1H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3028.00usft (Patterson 564)
Site:	Fuller 13 24 W1KN Fed Com	MD Reference:	RKB=28' @ 3028.00usft (Patterson 564)
Well:	1H	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)
13,826.00	88.68	179.28	10,331.80	-3,536.60	-1,086.59	3,655.82	1.34	-0.70	1.14
13,919.00	87.45	181.35	10,334.94	-3,629.54	-1,087.10	3,747.87	2.59	-1.32	2.23
14,012.00	89.02	183.53	10,337.80	-3,722.40	-1,091.06	3,840.35	2.89	1.69	2.34
14,105.00	87.50	182.67	10,340.63	-3,815.22	-1,096.09	3,932.92	1.88	-1.63	-0.92
14,198.00	92.44	184.56	10,340.67	-3,908.00	-1,101.95	4,025.59	5.69	5.31	2.03
14,291.00	92.33	182.12	10,336.80	-4,000.76	-1,107.36	4,118.16	2.62	-0.12	-2.62
14,384.00	92.61	180.31	10,332.80	-4,093.65	-1,109.33	4,210.37	1.97	0.30	-1.95
14,477.00	90.56	180.57	10,330.22	-4,186.60	-1,110.05	4,302.47	2.22	-2.20	0.28
14,570.00	90.06	179.62	10,329.72	-4,279.60	-1,110.20	4,394.53	1.15	-0.54	-1.02
14,663.00	90.00	180.48	10,329.67	-4,372.60	-1,110.28	4,486.58	0.93	-0.06	0.92
14,756.00	89.86	179.64	10,329.78	-4,465.60	-1,110.38	4,578.64	0.92	-0.15	-0.90
14,848.00	89.47	180.21	10,330.32	-4,557.60	-1,110.26	4,669.67	0.75	-0.42	0.62
14,941.00	89.47	181.88	10,331.18	-4,650.57	-1,111.96	4,761.93	1.80	0.00	1.80
15,035.00	90.73	180.10	10,331.02	-4,744.55	-1,113.58	4,855.17	2.32	1.34	-1.89
15,128.00	89.36	180.69	10,330.95	-4,837.55	-1,114.22	4,947.30	1.60	-1.47	0.63
15,221.00	90.73	179.96	10,330.87	-4,930.54	-1,114.75	5,039.41	1.67	1.47	-0.78
15,314.00	90.73	180.20	10,329.69	-5,023.54	-1,114.88	5,131.46	0.26	0.00	0.26
15,407.00	90.59	181.21	10,328.62	-5,116.52	-1,116.02	5,223.65	1.10	-0.15	1.09
15,500.00	90.64	180.23	10,327.62	-5,209.51	-1,117.19	5,315.84	1.06	0.05	-1.05
15,593.00	90.39	180.87	10,326.78	-5,302.50	-1,118.08	5,408.00	0.74	-0.27	0.69
15,686.00	90.59	181.01	10,325.99	-5,395.48	-1,119.61	5,500.24	0.26	0.22	0.15
15,781.00	90.59	180.02	10,325.01	-5,490.47	-1,120.46	5,594.38	1.04	0.00	-1.04
15,874.00	90.34	180.36	10,324.25	-5,583.47	-1,120.77	5,686.46	0.45	-0.27	0.37
15,968.00	90.39	181.33	10,323.66	-5,677.46	-1,122.16	5,779.67	1.03	0.05	1.03
16,061.00	90.53	180.57	10,322.91	-5,770.44	-1,123.70	5,871.92	0.83	0.15	-0.82
16,155.00	90.62	181.12	10,321.97	-5,864.42	-1,125.09	5,965.13	0.59	0.10	0.59
16,248.00	91.15	180.30	10,320.53	-5,957.40	-1,126.24	6,057.32	1.05	0.57	-0.88
16,341.00	90.42	180.47	10,319.25	-6,050.39	-1,126.86	6,149.43	0.81	-0.78	0.18
16,434.00	90.28	181.67	10,318.69	-6,143.37	-1,128.60	6,241.70	1.30	-0.15	1.29
16,528.00	91.04	181.22	10,317.60	-6,237.34	-1,130.97	6,335.04	0.94	0.81	-0.48
16,621.00	90.14	180.28	10,316.65	-6,330.32	-1,132.19	6,427.23	1.40	-0.97	-1.01
16,714.00	90.36	181.43	10,316.24	-6,423.31	-1,133.57	6,519.46	1.26	0.24	1.24
16,808.00	90.34	181.33	10,315.67	-6,517.28	-1,135.84	6,612.79	0.11	-0.02	-0.11
16,901.00	91.34	181.43	10,314.30	-6,610.24	-1,138.08	6,705.11	1.08	1.08	0.11
16,994.00	89.75	179.72	10,313.42	-6,703.23	-1,139.01	6,797.27	2.51	-1.71	-1.84
17,088.00	89.61	181.04	10,313.94	-6,797.22	-1,139.63	6,890.38	1.41	-0.15	1.40
17,181.00	90.59	180.87	10,313.78	-6,890.21	-1,141.18	6,982.63	1.07	1.05	-0.18
17,274.00	88.12	179.84	10,314.83	-6,983.19	-1,141.76	7,074.74	2.88	-2.66	-1.11
17,368.00	89.47	181.78	10,316.80	-7,077.15	-1,143.09	7,167.92	2.51	1.44	2.06
17,461.00	90.56	180.81	10,316.78	-7,170.13	-1,145.19	7,260.23	1.57	1.17	-1.04
17,554.00	89.36	181.44	10,316.85	-7,263.11	-1,147.02	7,352.52	1.46	-1.29	0.68
17,647.00	89.52	181.77	10,317.75	-7,356.07	-1,149.62	7,444.89	0.39	0.17	0.35
17,741.00	90.22	181.40	10,317.97	-7,450.03	-1,152.22	7,538.25	0.84	0.74	-0.39

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well 1H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3028.00usft (Patterson 564)
Site:	Fuller 13 24 W1KN Fed Com	MD Reference:	RKB=28' @ 3028.00usft (Patterson 564)
Well:	1H	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)
17,834.00	90.62	179.10	10,317.29	-7,543.02	-1,152.63	7,630.34	2.51	0.43	-2.47
17,928.00	89.64	177.75	10,317.07	-7,636.98	-1,150.04	7,722.96	1.77	-1.04	-1.44
18,022.00	89.22	178.22	10,318.01	-7,730.92	-1,146.74	7,815.46	0.67	-0.45	0.50
18,114.00	89.44	178.86	10,319.08	-7,822.88	-1,144.40	7,906.13	0.74	0.24	0.70
18,173.00	89.94	178.60	10,319.40	-7,881.86	-1,143.09	7,964.32	0.96	0.85	-0.44
Last MWD Survey @ 18173'									
18,215.00	89.94	178.60	10,319.45	-7,923.85	-1,142.06	8,005.73	0.00	0.00	0.00
PTB @ 18215'									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
18,173.00	10,319.40	-7,881.86	-1,143.09	Last MWD Survey @ 18173'
18,215.00	10,319.45	-7,923.85	-1,142.06	PTB @ 18215'

Checked By: _____ Approved By: _____ Date: _____