

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

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☒ AMENDED REPORT
AS DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-46621	² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp (Gas)
⁴ Property Code 327005	⁵ Property Name KANSAS 21/28 WOKN FED COM	
⁷ GRID NO. 14744	⁸ Operator Name MEWBOURNE OIL COMPANY	⁶ Well Number 4H ⁹ Elevation 3033'

¹⁰ Surface Location

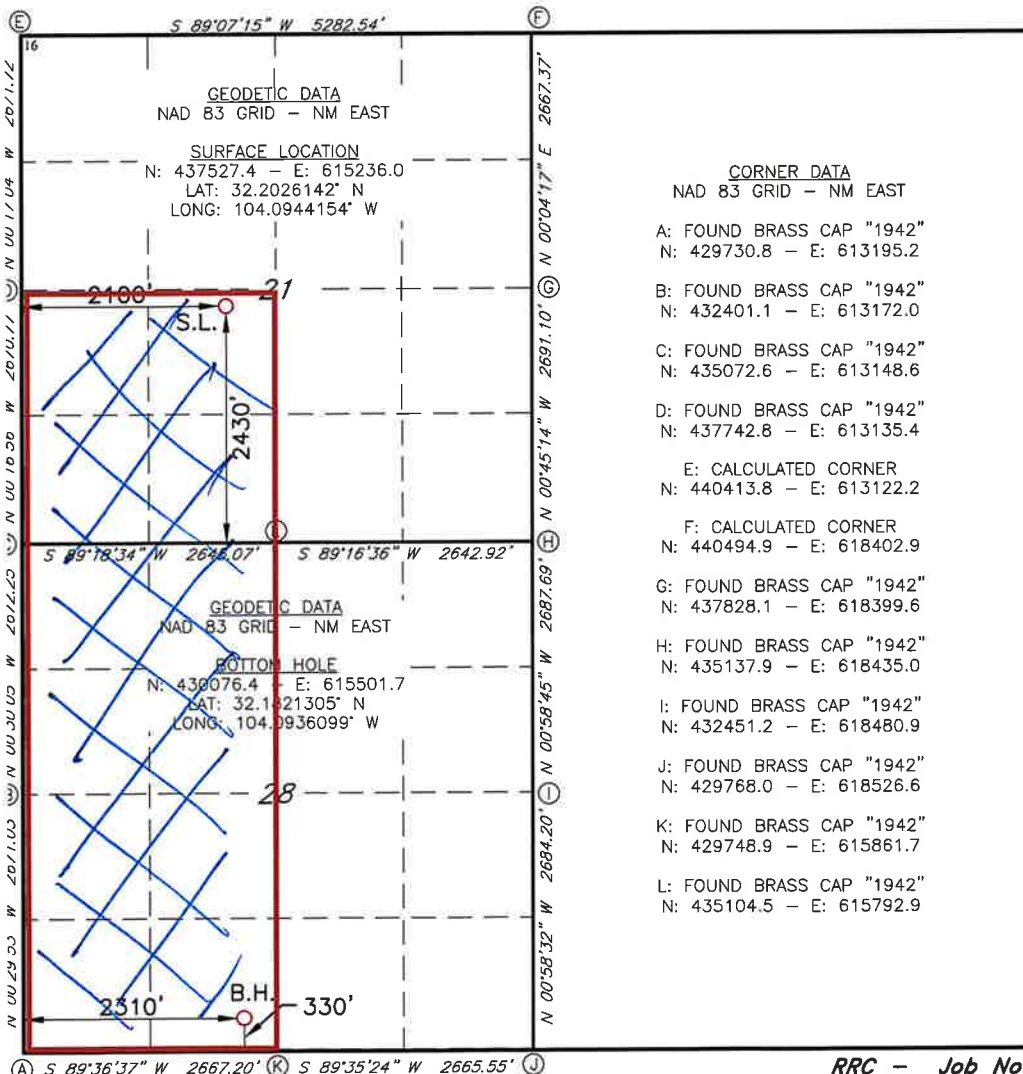
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
K	21	24S	28E		2430	SOUTH	2100	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	28	24S	28E		318	SOUTH	2271	WEST	EDDY

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



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: 12/21/2020

Printed Name: Jackie Lathan

E-mail Address: jlathan@mewbourne.com

¹⁸ SURVEYOR CERTIFICATION

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

03-06-2019

Date of Survey

Signature and Seal of Professional Surveyor

19680

Certificate Number



RRC - Job No.:

RRC-Job No: LS19030322

Sheet: KOKOS #1-28
Well: WOKN Fed Com #4H
Wellbore: OH
Design: Plan #1
Lat: 32.202614
Long: -104.094415
GL: 3033.00
KB: RKB-28' @ 3061.00usf (Prt. 244)



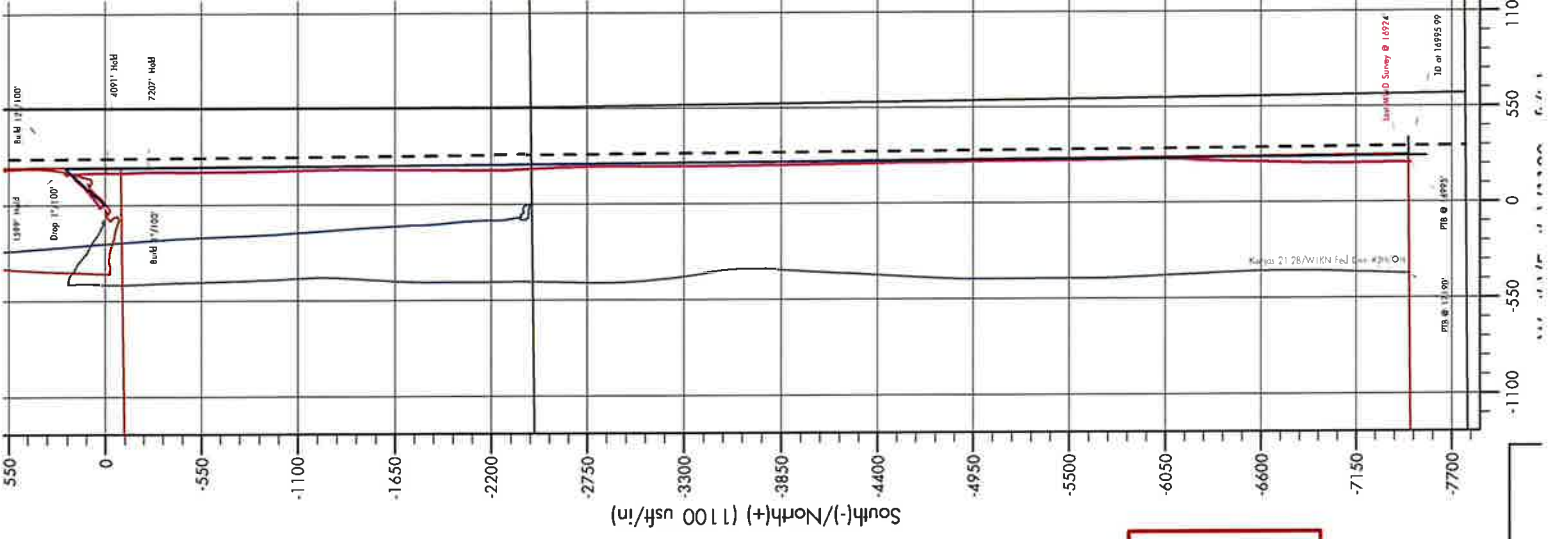
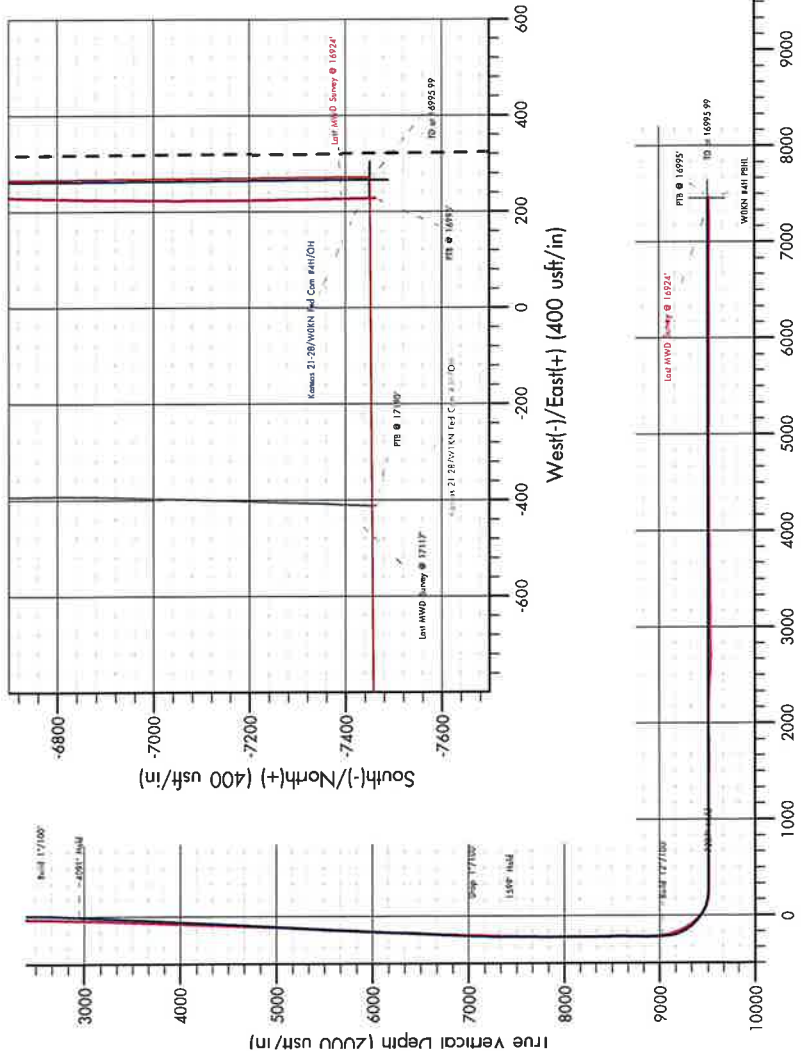
Azimuths to Grid North
True North: -0.13°
Magnetic North: 6.94°
Strength: 47824.1 nT
Dip Angle: 59.90°
Date: 12/10/2019
Model: HDGM

WELL DETAILS: WOKN Fed Com #4H

	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slope
	0.00	0.00	437527.40	615236.00	32.202614	-104.094415	
WELLBORE TARGET DETAILS (LAT/LONG)							
Name	TVD		Northing	Easting	Shope		
WOKN #4H PBHL	9506.00		430076.40	615501.70	Point		

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TTrace	V'Sect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Build 1°/100'
2550.00	0.00	0.00	2550.00	0.00	0.00	0.00	0.00	0.00	4091' Hold
2950.06	4.00	41.93	2949.73	10.39	9.33	1.00	41.93	-10.05	Drop 1°/100'
7040.56	4.00	41.93	7030.27	222.71	200.01	0.00	0.00	-215.44	1599' Hold
7440.62	0.00	0.00	7430.00	233.10	209.34	1.00	180.00	-225.49	Build 12°/100'
9039.15	0.00	0.00	9028.54	233.10	209.34	0.00	0.00	-225.49	7207' Hold
9789.15	90.00	179.58	9506.00	-244.35	212.84	12.00	179.58	251.78	TD at 16995.99
6995.99	90.00	179.58	9506.00	-7451.00	265.70	0.00	0.00	7455.74	



-Back
Build-
2660'
FSL
&
2310'
FWL

50'
Dotted
Buffer
Line *DO
NOT
CROSS*

WOKN #4H
SHL:
2430' FSL &
2100' FWL

#4H PBHL:
330' FSL &
2310' FWL

Hard Lines:
330' FSL
2340' FSL
2315' FWL
330' FWL



MEWBOURNE
OIL COMPANY

Mewbourne Oil Company

Eddy Co., NM (NAD 83)

Kansas 21-28

W0KN Fed Com #4H

OH

Design: OH

Standard Survey Report

29 March, 2020



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W0KN Fed Com #4H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3061.00usft (Pat. 244)
Site:	Kansas 21-28	MD Reference:	RKB=28' @ 3061.00usft (Pat. 244)
Well:	W0KN Fed Com #4H	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:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Kansas 21-28				
Site Position:		Northing:	437,526.30 usft	Latitude:	32.202612
From:	Map	Easting:	615,146.00 usft	Longitude:	-104.094707
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.13 °

Well	W0KN Fed Com #4H				
Well Position	+N/-S	0.00 usft	Northing:	437,527.40 usft	Latitude: 32.202614
	+E/-W	0.00 usft	Easting:	615,236.00 usft	Longitude: -104.094416
Position Uncertainty	0.00 usft		Wellhead Elevation:	usft	Ground Level: 3,033.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	12/10/19	7.07	59.90	47,824.10000000

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	177.96	

Survey Program	Date	03/29/20			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
191.00	16,995.00	MWD Survey (OH)	MWD	OWSG MWD - Standard	

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	
191.00	0.30	59.94	191.00	0.25	0.43	-0.23	0.16	0.16	0.00	
280.00	0.50	34.94	280.00	0.69	0.86	-0.65	0.29	0.22	-28.09	
371.00	0.30	323.94	371.00	1.20	0.94	-1.17	0.54	-0.22	-78.02	
452.00	0.30	334.94	451.99	1.57	0.73	-1.54	0.07	0.00	13.58	
498.00	0.57	322.82	497.99	1.86	0.54	-1.84	0.62	0.59	-26.35	
589.00	0.64	322.61	588.99	2.62	-0.04	-2.62	0.08	0.08	-0.23	
681.00	0.89	346.25	680.98	3.73	-0.52	-3.74	0.43	0.27	25.70	
776.00	1.07	349.64	775.97	5.31	-0.86	-5.34	0.20	0.19	3.57	
870.00	0.98	348.76	869.95	6.97	-1.17	-7.00	0.10	-0.10	-0.94	

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W0KN Fed Com #4H
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Site:	Kansas 21-28	MD Reference:	RKB=28' @ 3061.00usft (Pat. 244)
Well:	W0KN Fed Com #4H	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)
963.00	1.17	358.80	962.93	8.70	-1.35	-8.74	0.29	0.20	10.80
1,057.00	1.37	350.26	1,056.91	10.76	-1.56	-10.81	0.29	0.21	-9.09
1,150.00	1.43	341.94	1,149.88	12.96	-2.11	-13.03	0.23	0.06	-8.95
1,244.00	1.28	334.08	1,243.86	15.02	-2.93	-15.12	0.25	-0.16	-8.36
1,337.00	1.37	326.97	1,336.83	16.89	-3.99	-17.02	0.20	0.10	-7.65
1,431.00	1.52	325.91	1,430.80	18.86	-5.30	-19.04	0.16	0.16	-1.13
1,525.00	1.62	319.76	1,524.77	20.91	-6.86	-21.14	0.21	0.11	-6.54
1,618.00	1.70	312.51	1,617.73	22.84	-8.72	-23.14	0.24	0.09	-7.80
1,711.00	1.87	309.03	1,710.68	24.73	-10.92	-25.10	0.22	0.18	-3.74
1,803.00	1.83	316.71	1,802.64	26.75	-13.09	-27.20	0.27	-0.04	8.35
1,896.00	1.31	325.39	1,895.60	28.70	-14.71	-29.21	0.61	-0.56	9.33
1,990.00	1.02	335.57	1,989.58	30.35	-15.67	-30.89	0.38	-0.31	10.83
2,085.00	0.94	348.47	2,084.57	31.88	-16.18	-32.44	0.25	-0.08	13.58
2,178.00	0.63	34.13	2,177.56	33.05	-16.04	-33.60	0.72	-0.33	49.10
2,272.00	0.86	69.28	2,271.55	33.73	-15.09	-34.25	0.53	0.24	37.39
2,365.00	1.23	83.73	2,364.54	34.09	-13.45	-34.54	0.49	0.40	15.54
2,458.00	1.46	67.83	2,457.51	34.64	-11.36	-35.02	0.47	0.25	-17.10
2,551.00	1.78	58.39	2,550.47	35.85	-9.03	-36.14	0.45	0.34	-10.15
2,644.00	1.79	62.08	2,643.43	37.28	-6.52	-37.49	0.12	0.01	3.97
2,737.00	2.53	60.97	2,736.36	38.96	-3.44	-39.06	0.80	0.80	-1.19
2,830.00	3.65	60.76	2,829.23	41.40	0.94	-41.34	1.20	1.20	-0.23
2,925.00	3.33	59.53	2,924.05	44.28	5.96	-44.04	0.35	-0.34	-1.29
3,018.00	3.40	58.31	3,016.89	47.10	10.63	-46.69	0.11	0.08	-1.31
3,112.00	3.45	55.23	3,110.72	50.17	15.33	-49.60	0.20	0.05	-3.28
3,206.00	3.51	54.88	3,204.55	53.44	20.00	-52.70	0.07	0.06	-0.37
3,298.00	3.58	55.27	3,296.37	56.70	24.67	-55.78	0.08	0.08	0.42
3,391.00	3.35	52.57	3,389.20	60.00	29.21	-58.93	0.30	-0.25	-2.90
3,469.00	3.51	52.38	3,467.06	62.85	32.91	-61.64	0.21	0.21	-0.24
3,597.00	3.67	52.93	3,594.81	67.71	39.28	-66.27	0.13	0.13	0.43
3,690.00	3.57	49.54	3,687.62	71.38	43.86	-69.77	0.25	-0.11	-3.65
3,784.00	3.65	45.87	3,781.44	75.36	48.24	-73.60	0.26	0.09	-3.90
3,878.00	3.33	42.25	3,875.26	79.47	52.22	-77.56	0.41	-0.34	-3.85
3,971.00	3.57	47.57	3,968.10	83.42	56.17	-81.37	0.43	0.26	5.72
4,065.00	4.28	54.79	4,061.88	87.42	61.20	-85.18	0.92	0.76	7.68
4,159.00	3.95	51.36	4,155.63	91.46	66.59	-89.03	0.44	-0.35	-3.65
4,251.00	3.85	51.44	4,247.42	95.37	71.48	-92.76	0.11	-0.11	0.09
4,344.00	3.70	48.90	4,340.22	99.28	76.19	-96.51	0.24	-0.16	-2.73
4,437.00	3.42	46.72	4,433.04	103.16	80.47	-100.23	0.33	-0.30	-2.34
4,530.00	3.20	45.41	4,525.88	106.88	84.34	-103.81	0.25	-0.24	-1.41
4,623.00	3.04	48.23	4,618.75	110.35	88.02	-107.14	0.24	-0.17	3.03
4,716.00	2.72	47.37	4,711.63	113.48	91.49	-110.16	0.35	-0.34	-0.92
4,809.00	3.00	44.26	4,804.51	116.72	94.81	-113.27	0.34	0.30	-3.34
4,902.00	3.26	43.38	4,897.37	120.39	98.32	-116.81	0.28	0.28	-0.95
4,996.00	2.70	40.00	4,991.25	124.03	101.58	-120.33	0.62	-0.60	-3.60

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W0KN Fed Com #4H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3061.00usft (Pat. 244)
Site:	Kansas 21-28	MD Reference:	RKB=28' @ 3061.00usft (Pat. 244)
Well:	W0KN Fed Com #4H	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)	
5,090.00	4.10	41.00	5,085.08	128.26	105.21	-124.43	1.49	1.49	1.06	
5,184.00	4.72	43.23	5,178.80	133.61	110.06	-129.61	0.68	0.66	2.37	
5,279.00	4.48	43.16	5,273.49	139.17	115.28	-134.97	0.25	-0.25	-0.07	
5,372.00	4.30	43.01	5,366.22	144.37	120.14	-140.00	0.19	-0.19	-0.16	
5,465.00	3.81	40.41	5,458.99	149.27	124.52	-144.74	0.56	-0.53	-2.80	
5,559.00	3.76	40.66	5,552.78	153.98	128.56	-149.31	0.06	-0.05	0.27	
5,653.00	3.52	40.48	5,646.59	158.52	132.44	-153.70	0.26	-0.26	-0.19	
5,746.00	3.50	39.87	5,739.42	162.87	136.11	-157.92	0.05	-0.02	-0.66	
5,839.00	4.11	46.18	5,832.21	167.35	140.33	-162.25	0.79	0.66	6.78	
5,934.00	4.02	49.94	5,926.97	171.85	145.34	-166.57	0.30	-0.09	3.96	
6,027.00	3.67	50.59	6,019.77	175.84	150.13	-170.39	0.38	-0.38	0.70	
6,120.00	4.33	50.69	6,112.54	179.96	155.15	-174.32	0.71	0.71	0.11	
6,214.00	4.33	54.36	6,206.27	184.27	160.78	-178.43	0.29	0.00	3.90	
6,308.00	4.86	50.55	6,299.97	188.87	166.74	-182.81	0.65	0.56	-4.05	
6,401.00	4.11	50.34	6,392.68	193.50	172.35	-187.24	0.81	-0.81	-0.23	
6,495.00	2.73	45.86	6,486.51	197.21	176.55	-190.80	1.49	-1.47	-4.77	
6,588.00	1.90	42.47	6,579.44	199.89	179.18	-193.38	0.90	-0.89	-3.65	
6,682.00	1.99	24.84	6,673.38	202.52	180.91	-195.95	0.64	0.10	-18.76	
6,775.00	1.45	12.58	6,766.34	205.13	181.85	-198.53	0.70	-0.58	-13.18	
6,870.00	1.86	8.15	6,861.30	207.83	182.33	-201.21	0.45	0.43	-4.66	
6,964.00	2.75	25.30	6,955.23	211.38	183.51	-204.71	1.19	0.95	18.24	
7,058.00	2.47	24.28	7,049.13	215.27	185.31	-208.53	0.30	-0.30	-1.09	
7,152.00	1.95	18.96	7,143.06	218.62	186.66	-211.84	0.59	-0.55	-5.66	
7,245.00	1.44	358.28	7,236.02	221.29	187.14	-214.49	0.85	-0.55	-22.24	
7,340.00	1.07	336.14	7,330.99	223.29	186.74	-216.50	0.64	-0.39	-23.31	
7,433.00	1.71	12.19	7,423.97	225.44	186.68	-218.66	1.13	0.69	38.76	
7,526.00	1.16	19.50	7,516.94	227.69	187.29	-220.88	0.62	-0.59	7.86	
7,619.00	1.10	20.87	7,609.92	229.41	187.92	-222.57	0.07	-0.06	1.47	
7,712.00	0.82	337.19	7,702.91	230.86	187.98	-224.02	0.82	-0.30	-46.97	
7,807.00	1.19	268.64	7,797.90	231.46	186.73	-224.67	1.23	0.39	-72.16	
7,901.00	0.95	279.87	7,891.88	231.57	184.99	-224.84	0.34	-0.26	11.95	
7,995.00	0.56	263.89	7,985.87	231.65	183.77	-224.97	0.47	-0.41	-17.00	
8,090.00	0.79	276.93	8,080.87	231.68	182.65	-225.04	0.29	0.24	13.73	
8,185.00	0.73	276.21	8,175.86	231.83	181.40	-225.22	0.06	-0.06	-0.76	
8,280.00	0.71	250.99	8,270.85	231.70	180.24	-225.14	0.33	-0.02	-26.55	
8,373.00	0.60	240.69	8,363.84	231.28	179.28	-224.75	0.17	-0.12	-11.08	
8,467.00	0.73	232.19	8,457.84	230.67	178.37	-224.17	0.17	0.14	-9.04	
8,561.00	0.39	254.65	8,551.83	230.22	177.59	-223.75	0.42	-0.36	23.89	
8,655.00	0.48	217.08	8,645.83	229.82	177.05	-223.37	0.31	0.10	-39.97	
8,749.00	0.50	216.19	8,739.83	229.17	176.57	-222.74	0.02	0.02	-0.95	
8,843.00	0.54	238.57	8,833.82	228.61	175.95	-222.20	0.22	0.04	23.81	
8,928.00	0.81	250.86	8,918.82	228.20	175.04	-221.83	0.36	0.32	14.46	
8,960.00	0.81	248.86	8,950.81	228.05	174.61	-221.69	0.09	0.00	-6.25	

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W0KN Fed Corn #4H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3061.00usft (Pat. 244)
Site:	Kansas 21-28	MD Reference:	RKB=28' @ 3061.00usft (Pat. 244)
Well:	W0KN Fed Corn #4H	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)
9,053.00	7.74	175.60	9,043.52	221.56	174.48	-215.21	8.11	7.45	-78.77
9,147.00	17.33	172.23	9,135.17	201.33	176.86	-194.90	10.23	10.20	-3.59
9,240.00	25.57	178.52	9,221.67	167.48	179.26	-160.99	9.19	8.86	6.76
9,287.00	30.17	178.83	9,263.21	145.52	179.76	-139.03	9.79	9.79	0.66
9,333.00	34.25	178.00	9,302.12	121.02	180.45	-114.52	8.92	8.87	-1.80
9,364.00	36.98	177.61	9,327.32	102.98	181.14	-96.46	8.84	8.81	-1.26
9,427.00	41.29	176.90	9,376.17	63.27	183.06	-56.72	6.88	6.84	-1.13
9,474.00	47.78	179.03	9,409.66	30.35	184.19	-23.77	14.17	13.81	4.53
9,521.00	53.73	181.10	9,439.38	-6.03	184.12	12.58	13.11	12.66	4.40
9,568.00	62.73	180.81	9,464.10	-45.94	183.46	52.44	19.16	19.15	-0.62
9,614.00	68.57	178.96	9,483.06	-87.83	183.56	94.31	13.21	12.70	-4.02
9,661.00	76.99	177.27	9,496.97	-132.65	185.05	139.16	18.24	17.91	-3.60
9,691.00	81.13	176.82	9,502.66	-162.06	186.57	168.60	13.88	13.80	-1.50
9,786.00	87.59	180.08	9,511.99	-256.51	189.11	263.08	7.61	6.80	3.43
9,879.00	90.98	180.64	9,513.15	-349.48	188.53	355.97	3.69	3.65	0.60
9,974.00	91.46	180.22	9,511.13	-444.46	187.82	450.86	0.67	0.51	-0.44
10,068.00	90.50	180.03	9,509.52	-538.44	187.61	544.78	1.04	-1.02	-0.20
10,161.00	89.97	179.93	9,509.14	-631.44	187.64	637.72	0.58	-0.57	-0.11
10,256.00	90.81	179.26	9,508.49	-726.44	188.31	732.68	1.13	0.88	-0.71
10,349.00	89.78	178.50	9,508.01	-819.42	190.13	825.66	1.38	-1.11	-0.82
10,442.00	89.72	178.71	9,508.42	-912.39	192.40	918.66	0.23	-0.06	0.23
10,536.00	89.10	180.06	9,509.39	-1,006.37	193.41	1,012.62	1.58	-0.66	1.44
10,629.00	90.08	178.25	9,510.05	-1,099.36	194.78	1,105.59	2.21	1.05	-1.95
10,722.00	89.64	177.76	9,510.28	-1,192.30	198.01	1,198.59	0.71	-0.47	-0.53
10,816.00	89.27	179.02	9,511.17	-1,286.26	200.66	1,292.58	1.40	-0.39	1.34
10,909.00	88.57	179.20	9,512.93	-1,379.23	202.10	1,385.55	0.78	-0.75	0.19
11,002.00	89.89	180.58	9,514.18	-1,472.21	202.28	1,478.48	2.05	1.42	1.48
11,096.00	90.36	180.99	9,513.97	-1,566.21	200.99	1,572.37	0.66	0.50	0.44
11,189.00	90.17	180.97	9,513.54	-1,659.19	199.40	1,665.24	0.21	-0.20	-0.02
11,283.00	90.14	180.64	9,513.29	-1,753.18	198.08	1,759.12	0.35	-0.03	-0.35
11,376.00	89.10	180.56	9,513.90	-1,846.17	197.10	1,852.02	1.12	-1.12	-0.09
11,469.00	89.80	180.11	9,514.80	-1,939.17	196.56	1,944.93	0.89	0.75	-0.48
11,563.00	89.72	180.44	9,515.19	-2,033.16	196.11	2,038.86	0.36	-0.09	0.35
11,655.00	90.36	180.68	9,515.13	-2,125.16	195.21	2,130.76	0.74	0.70	0.26
11,748.00	90.90	180.13	9,514.10	-2,218.15	194.55	2,223.67	0.83	0.58	-0.59
11,842.00	87.56	177.39	9,515.37	-2,312.10	196.59	2,317.63	4.60	-3.55	-2.91
11,936.00	87.08	177.13	9,519.76	-2,405.89	201.07	2,411.52	0.58	-0.51	-0.28
12,030.00	86.04	177.47	9,525.40	-2,499.61	205.49	2,505.34	1.16	-1.11	0.36
12,106.00	85.99	176.47	9,530.69	-2,575.32	209.50	2,581.15	1.31	-0.07	-1.32
12,171.00	88.68	177.52	9,533.71	-2,640.15	212.91	2,646.06	4.44	4.14	1.62
12,218.00	90.59	179.47	9,534.01	-2,687.13	214.14	2,693.05	5.81	4.06	4.15
12,312.00	91.34	179.83	9,532.42	-2,781.12	214.71	2,787.00	0.89	0.80	0.38
12,405.00	91.79	179.55	9,529.88	-2,874.08	215.22	2,879.92	0.57	0.48	-0.30

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W0KN Fed Com #4H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3061.00usft (Pat. 244)
Site:	Kansas 21-28	MD Reference:	RKB=28' @ 3061.00usft (Pat. 244)
Well:	W0KN Fed Com #4H	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)
12,498.00	91.34	180.85	9,527.34	-2,967.04	214.89	2,972.81	1.48	-0.48	1.40
12,591.00	89.27	179.73	9,526.85	-3,060.03	214.42	3,065.73	2.53	-2.23	-1.20
12,685.00	90.70	180.61	9,526.87	-3,154.03	214.14	3,159.65	1.79	1.52	0.94
12,779.00	90.95	178.90	9,525.52	-3,248.02	214.54	3,253.60	1.84	0.27	-1.82
12,873.00	89.27	179.58	9,525.34	-3,342.00	215.79	3,347.57	1.93	-1.79	0.72
12,966.00	91.26	179.28	9,524.91	-3,434.99	216.72	3,440.53	2.16	2.14	-0.32
13,059.00	89.24	179.47	9,524.50	-3,527.98	217.73	3,533.50	2.18	-2.17	0.20
13,153.00	91.20	179.78	9,524.14	-3,621.97	218.35	3,627.45	2.11	2.09	0.33
13,246.00	91.12	179.28	9,522.26	-3,714.95	219.11	3,720.40	0.54	-0.09	-0.54
13,339.00	91.09	179.56	9,520.47	-3,807.93	220.05	3,813.35	0.30	-0.03	0.30
13,433.00	89.75	178.00	9,519.78	-3,901.90	222.05	3,907.33	2.19	-1.43	-1.66
13,527.00	90.48	179.40	9,519.59	-3,995.87	224.18	4,001.32	1.68	0.78	1.49
13,620.00	91.01	180.13	9,518.38	-4,088.86	224.56	4,094.27	0.97	0.57	0.78
13,714.00	90.06	179.26	9,517.50	-4,182.86	225.07	4,188.22	1.37	-1.01	-0.93
13,807.00	90.11	179.16	9,517.36	-4,275.85	226.35	4,281.20	0.12	0.05	-0.11
13,901.00	91.06	178.65	9,516.40	-4,369.82	228.14	4,375.18	1.15	1.01	-0.54
13,995.00	90.70	178.38	9,514.96	-4,463.78	230.58	4,469.16	0.48	-0.38	-0.29
14,089.00	90.36	178.91	9,514.09	-4,557.75	232.80	4,563.15	0.67	-0.36	0.56
14,182.00	90.11	179.70	9,513.71	-4,650.74	233.93	4,656.12	0.89	-0.27	0.85
14,276.00	90.59	179.39	9,513.13	-4,744.74	234.68	4,750.08	0.61	0.51	-0.33
14,369.00	88.60	178.94	9,513.79	-4,837.72	236.03	4,843.06	2.19	-2.14	-0.48
14,464.00	89.58	179.51	9,515.30	-4,932.70	237.32	4,938.02	1.19	1.03	0.60
14,557.00	89.86	179.66	9,515.76	-5,025.69	237.99	5,030.98	0.34	0.30	0.16
14,650.00	89.50	179.57	9,516.27	-5,118.69	238.62	5,123.94	0.40	-0.39	-0.10
14,744.00	89.33	179.28	9,517.23	-5,212.68	239.56	5,217.90	0.36	-0.18	-0.31
14,837.00	89.61	179.55	9,518.09	-5,305.67	240.51	5,310.87	0.42	0.30	0.29
14,929.00	89.52	179.45	9,518.79	-5,397.67	241.31	5,402.83	0.15	-0.10	-0.11
15,023.00	89.41	179.35	9,519.67	-5,491.66	242.29	5,496.80	0.16	-0.12	-0.11
15,116.00	89.86	179.32	9,520.26	-5,584.65	243.37	5,589.77	0.48	0.48	-0.03
15,210.00	89.66	179.40	9,520.66	-5,678.64	244.42	5,683.74	0.23	-0.21	0.09
15,303.00	90.20	179.03	9,520.77	-5,771.63	245.70	5,776.72	0.70	0.58	-0.40
15,396.00	92.78	179.05	9,518.35	-5,864.58	247.26	5,869.66	2.77	2.77	0.02
15,489.00	89.94	178.19	9,516.15	-5,957.52	249.50	5,962.62	3.19	-3.05	-0.92
15,582.00	89.36	180.85	9,516.71	-6,050.50	250.27	6,055.58	2.93	-0.62	2.86
15,675.00	89.08	183.34	9,517.98	-6,143.42	246.88	6,148.32	2.69	-0.30	2.68
15,769.00	90.06	184.32	9,518.69	-6,237.21	240.60	6,241.82	1.47	1.04	1.04
15,861.00	90.39	181.05	9,518.32	-6,329.10	236.29	6,333.50	3.57	0.36	-3.55
15,955.00	90.78	180.73	9,517.36	-6,423.08	234.83	6,427.37	0.54	0.41	-0.34
16,048.00	89.97	181.50	9,516.76	-6,516.06	233.02	6,520.22	1.20	-0.87	0.83
16,141.00	89.19	181.60	9,517.44	-6,609.02	230.50	6,613.04	0.85	-0.84	0.11
16,233.00	90.36	181.60	9,517.80	-6,700.98	227.93	6,704.85	1.27	1.27	0.00
16,327.00	90.28	180.98	9,517.27	-6,794.96	225.82	6,798.69	0.67	-0.09	-0.66
16,421.00	90.34	181.43	9,516.77	-6,888.93	223.84	6,892.54	0.48	0.06	0.48
16,515.00	89.83	181.17	9,516.63	-6,982.91	221.71	6,986.38	0.61	-0.54	-0.28

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W0KN Fed Com #4H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3061.00usft (Pat. 244)
Site:	Kansas 21-28	MD Reference:	RKB=28' @ 3061.00usft (Pat. 244)
Well:	W0KN Fed Com #4H	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)	
16,608.00	88.51	179.04	9,517.97	-7,075.89	221.54	7,079.29	2.69	-1.42	-2.29	
16,701.00	89.75	179.45	9,519.39	-7,168.87	222.76	7,172.26	1.40	1.33	0.44	
16,795.00	90.87	179.18	9,518.88	-7,262.86	223.89	7,266.23	1.23	1.19	-0.29	
16,890.00	91.51	179.12	9,516.90	-7,357.83	225.30	7,361.19	0.68	0.67	-0.06	
16,924.00	90.50	179.08	9,516.31	-7,391.82	225.83	7,395.17	2.97	-2.97	-0.12	
Last MWD Survey @ 16924'										
16,983.90	90.50	179.08	9,515.78	-7,451.71	226.79	7,455.06	0.00	0.00	0.00	
W0KN #4H PBHL										
16,995.00	90.50	179.08	9,515.69	-7,462.81	226.97	7,466.16	0.00	0.00	0.00	
PTB @ 16995'										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
16,924.00	9,516.31	-7,391.82	225.83	Last MWD Survey @ 16924'	
16,995.00	9,515.69	-7,462.81	226.97	PTB @ 16995'	

Checked By: _____ Approved By: _____ Date: _____