

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

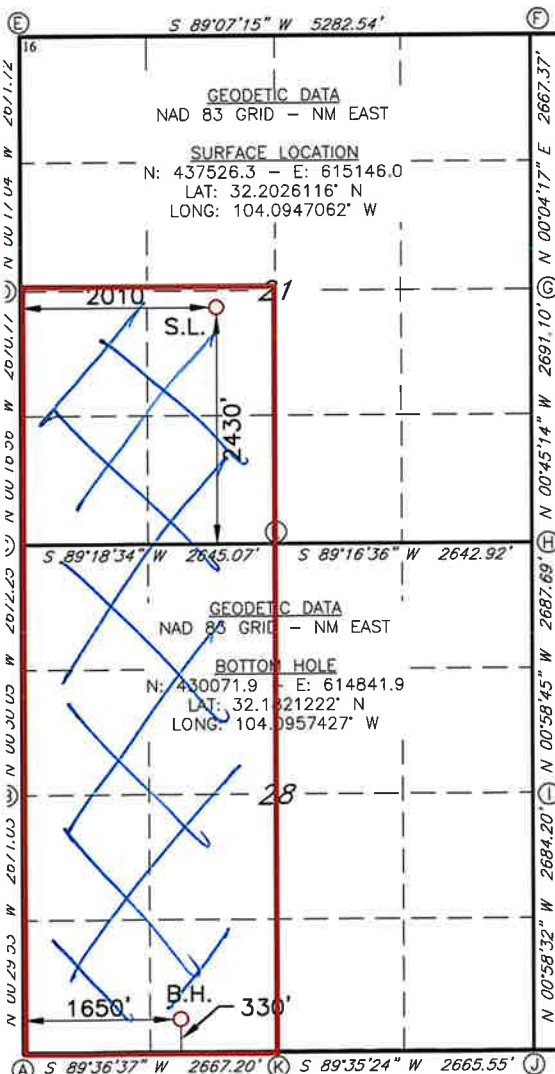
Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT
AS DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-46620		2 Pool Code 98220		3 Pool Name PURPLE SAGE; WOLFCAMP (GAS)					
4 Property Code 327004		5 Property Name KANSAS 21/28 W1KN FED COM						6 Well Number 3H	
7 GRID NO. 14744		8 Operator Name MEWBOURNE OIL COMPANY						9 Elevation 3034'	
10 Surface Location									
UL or lot no. K	Section 21	Township 24S	Range 28E	Lot Idn	Feet from the 2430	North/South line SOUTH	Feet From the 2010	East/West line WEST	County EDDY
11 Bottom Hole Location If Different From Surface									
UL or lot no. N	Section 28	Township 24S	Range 28E	Lot Idn	Feet from the 322'	North/South line SOUTH	Feet from the 163'	East/West line WEST	County EDDY
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.



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: 12/29/20
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.

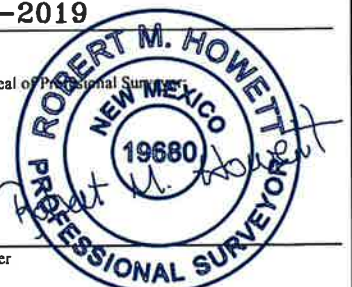
03-06-2019

Date of Survey

Signature and Seal of Professional Surveyor

19680

Certificate Number



RRC - Job No.:

RRC-Job No: LS19030321

Site: Kansas 21-28
Well: W1KN Fed Com #3H
Wellbore: OH
Design: Plan #2
Lat: 32.202612
Long: -104.094706
GL: 3033.00
KB: RKB=28' @ 3061.00usfr (Pat. 244)



WELL DETAILS: W1KN Fed Com #3H

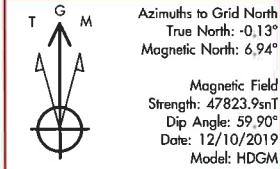
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	437526.30	615146.00	32.202612	-104.094706

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape Point
W1KN #3H PBHL	9711.00	-7454.40	-304.10	430071.90	614841.90	

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSecl	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2550.00	0.00	0.00	2550.00	0.00	0.00	0.00	0.00	0.00	Build 1°/100'
3000.41	4.50	302.10	2999.95	9.40	-14.99	1.00	302.10	-8.78	4970' Hold
7970.87	4.50	302.10	7955.05	216.84	-345.64	0.00	0.00	-202.57	Drop 1°/100'
8421.28	0.00	0.00	8405.00	226.24	-360.63	1.00	180.00	-211.35	743' Hold
9164.24	0.00	0.00	9147.97	226.24	-360.63	0.00	0.00	-211.35	Build 10°/100'
10065.04	90.08	179.58	9720.92	-347.50	-356.41	10.00	179.58	361.74	7107' hold
17172.14	90.08	179.58	9711.00	-7454.40	-304.10	0.00	0.00	7460.60	TD at 17213.26



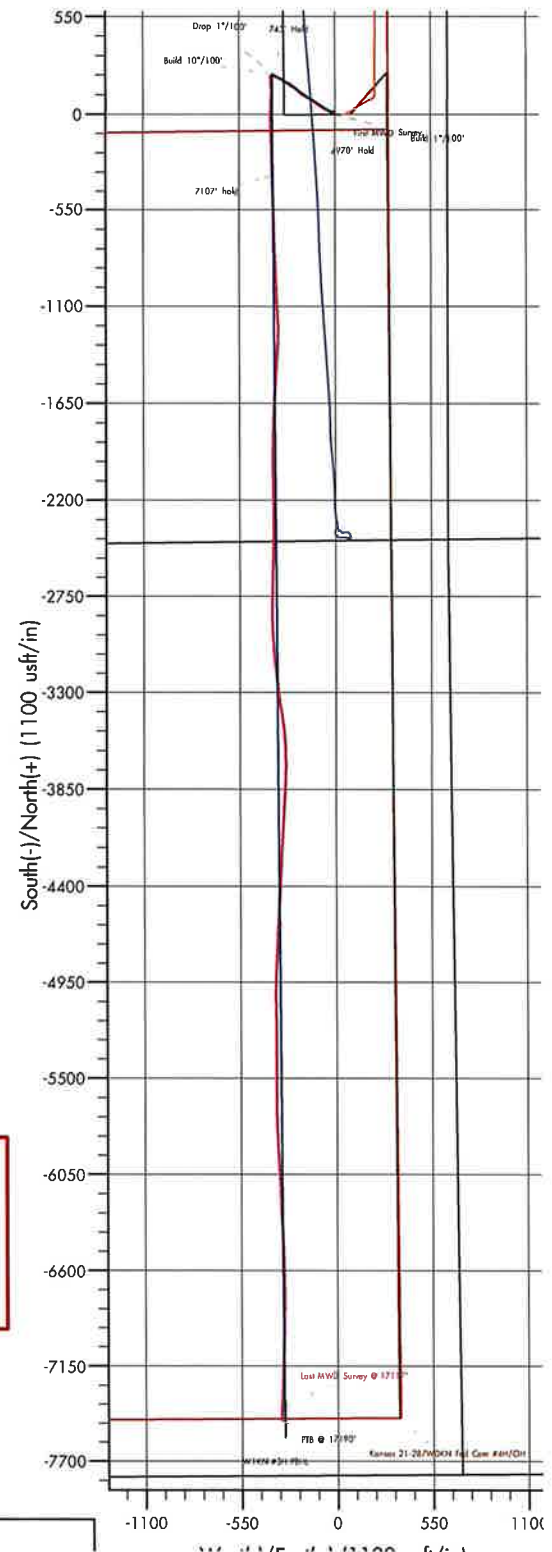
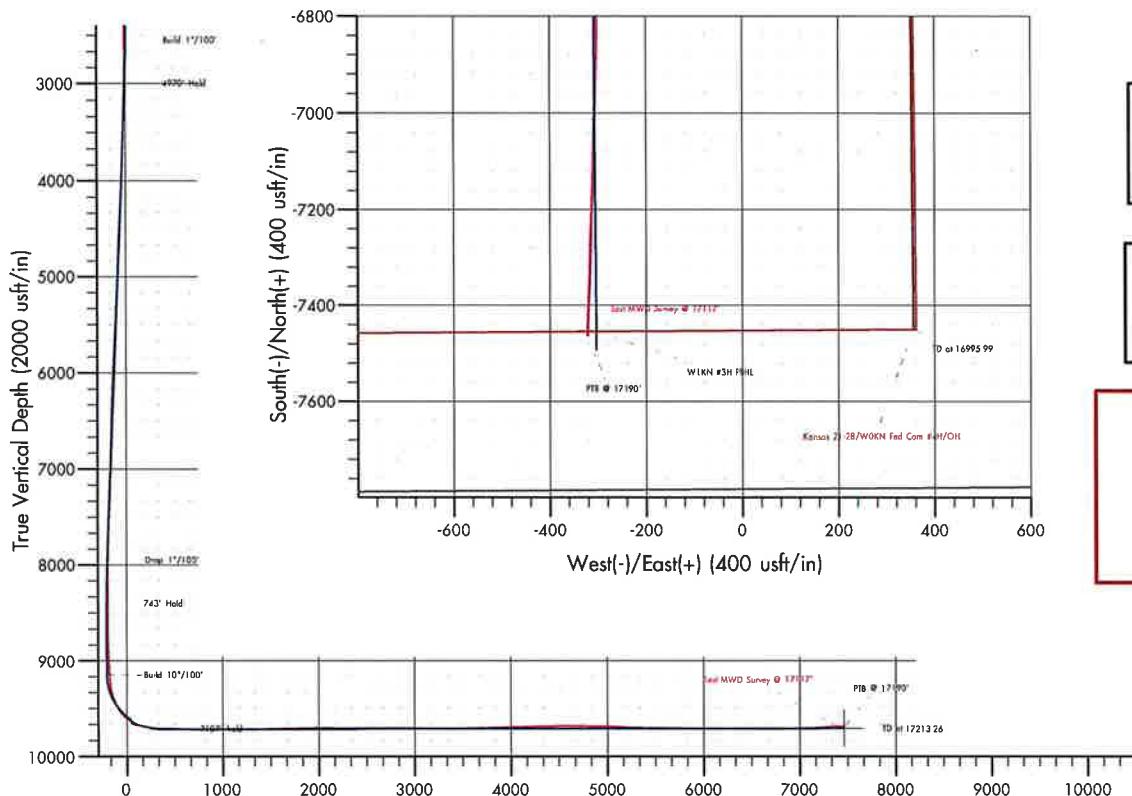
-Back
Build-
2660'
FSL &
1650'
FWL

50'
Dotted
Buffer
Line *DO
NOT
CROSS*

W1KN #3H SHL:
2430' FSL & 2010'
FWL

#3H PBHL:
330' FSL & 1650'
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

W1KN Fed Com #3H

OH

Design: OH

Standard Survey Report

10 March, 2020



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W1KN Fed Com #3H
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:	W1KN Fed Com #3H	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	W1KN Fed Com #3H				
Well Position	+N/-S	0.00 usft	Northing:	437,526.30 usft	Latitude: 32.202612
	+E/-W	0.00 usft	Easting:	615,146.00 usft	Longitude: -104.094707
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	47,823.90000000

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	182.34	

Survey Program	Date	03/10/20			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
195.00	17,190.00	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	
195.00	0.30	274.95	195.00	0.04	-0.51	-0.02	0.15	0.15	0.00	
First MWD Survey										
326.00	0.20	333.95	326.00	0.28	-0.95	-0.24	0.20	-0.08	45.04	
436.00	0.30	267.95	436.00	0.44	-1.32	-0.39	0.26	0.09	-60.00	
499.00	0.31	319.47	499.00	0.56	-1.60	-0.50	0.42	0.02	81.78	
590.00	0.36	320.04	589.99	0.97	-1.94	-0.89	0.06	0.05	0.63	
680.00	0.47	332.94	679.99	1.52	-2.29	-1.42	0.16	0.12	14.33	
777.00	0.76	343.22	776.99	2.49	-2.66	-2.38	0.32	0.30	10.60	
871.00	0.89	346.83	870.98	3.79	-3.00	-3.67	0.15	0.14	3.84	
965.00	0.78	357.85	964.97	5.14	-3.19	-5.01	0.21	-0.12	11.72	

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Site:	Kansas 21-28	MD Reference:	RKB=28' @ 3061.00usft (Pat. 244)
Well:	W1KN Fed Com #3H	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)
1,059.00	1.00	354.58	1,058.96	6.60	-3.30	-6.46	0.24	0.23	-3.48
1,152.00	0.82	350.82	1,151.94	8.07	-3.48	-7.92	0.20	-0.19	-4.04
1,246.00	0.84	349.60	1,245.93	9.41	-3.71	-9.25	0.03	0.02	-1.30
1,339.00	0.86	329.94	1,338.92	10.68	-4.18	-10.50	0.31	0.02	-21.14
1,433.00	0.82	314.87	1,432.91	11.77	-5.01	-11.55	0.24	-0.04	-16.03
1,527.00	0.90	312.46	1,526.90	12.74	-6.03	-12.48	0.09	0.09	-2.56
1,620.00	1.23	305.78	1,619.89	13.82	-7.38	-13.50	0.38	0.35	-7.18
1,714.00	1.30	305.50	1,713.86	15.03	-9.07	-14.64	0.07	0.07	-0.30
1,806.00	1.03	307.41	1,805.85	16.13	-10.58	-15.69	0.30	-0.29	2.08
1,899.00	0.29	345.52	1,898.84	16.87	-11.30	-16.39	0.88	-0.80	40.98
1,992.00	0.37	55.89	1,991.84	17.27	-11.11	-16.80	0.41	0.09	75.67
2,086.00	0.62	81.78	2,085.83	17.51	-10.35	-17.07	0.35	0.27	27.54
2,180.00	1.53	96.86	2,179.82	17.43	-8.61	-17.07	1.01	0.97	16.04
2,274.00	2.42	103.60	2,273.76	16.82	-5.43	-16.58	0.98	0.95	7.17
2,368.00	1.98	116.25	2,367.69	15.63	-2.05	-15.53	0.69	-0.47	13.46
2,461.00	1.13	135.67	2,460.66	14.26	0.04	-14.25	1.06	-0.91	20.88
2,553.00	1.66	237.12	2,552.64	12.89	-0.45	-12.86	2.38	0.58	110.27
2,646.00	1.81	241.91	2,645.60	11.47	-2.88	-11.34	0.22	0.16	5.15
2,740.00	2.01	256.44	2,739.55	10.38	-5.79	-10.14	0.56	0.21	15.46
2,832.00	2.10	265.08	2,831.49	9.86	-9.04	-9.48	0.35	0.10	9.39
2,926.00	2.75	284.29	2,925.40	10.27	-12.94	-9.73	1.10	0.69	20.44
3,020.00	4.31	300.10	3,019.22	12.60	-18.18	-11.84	1.94	1.66	16.82
3,113.00	4.28	299.29	3,111.96	16.05	-24.23	-15.04	0.07	-0.03	-0.87
3,208.00	4.36	299.36	3,206.69	19.55	-30.47	-18.29	0.08	0.08	0.07
3,301.00	4.27	297.11	3,299.43	22.86	-36.63	-21.35	0.21	-0.10	-2.42
3,394.00	4.14	296.35	3,392.18	25.93	-42.72	-24.17	0.15	-0.14	-0.82
3,487.00	3.96	296.36	3,484.95	28.85	-48.61	-26.84	0.19	-0.19	0.01
3,594.00	4.13	294.73	3,591.68	32.10	-55.42	-29.81	0.19	0.16	-1.52
3,688.00	4.03	294.95	3,685.44	34.91	-61.49	-32.37	0.11	-0.11	0.23
3,780.00	4.12	295.45	3,777.21	37.69	-67.40	-34.91	0.11	0.10	0.54
3,874.00	3.97	295.08	3,870.98	40.52	-73.40	-37.49	0.16	-0.16	-0.39
3,968.00	5.17	302.97	3,964.68	44.21	-79.90	-40.91	1.44	1.28	8.39
4,061.00	5.64	305.74	4,057.26	49.16	-87.12	-45.56	0.58	0.51	2.98
4,156.00	5.33	305.63	4,151.83	54.45	-94.50	-50.55	0.33	-0.33	-0.12
4,249.00	5.42	305.22	4,244.42	59.50	-101.60	-55.31	0.11	0.10	-0.44
4,342.00	5.40	304.96	4,337.00	64.54	-108.77	-60.05	0.03	-0.02	-0.28
4,435.00	5.54	304.34	4,429.58	69.58	-116.06	-64.79	0.16	0.15	-0.67
4,528.00	5.54	303.61	4,522.15	74.60	-123.51	-69.50	0.08	0.00	-0.78
4,620.00	5.33	303.66	4,613.73	79.43	-130.77	-74.02	0.23	-0.23	0.05
4,714.00	5.30	302.33	4,707.33	84.17	-138.07	-78.46	0.13	-0.03	-1.41
4,807.00	5.13	300.38	4,799.94	88.57	-145.28	-82.56	0.26	-0.18	-2.10
4,900.00	5.08	298.23	4,892.57	92.62	-152.50	-86.32	0.21	-0.05	-2.31
4,993.00	5.02	295.88	4,985.21	96.34	-159.79	-89.74	0.23	-0.06	-2.53

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W1KN Fed Com #3H
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:	W1KN Fed Com #3H	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)
5,087.00	4.98	295.04	5,078.86	99.86	-167.18	-92.96	0.09	-0.04	-0.89
5,180.00	4.75	294.30	5,171.52	103.16	-174.35	-95.95	0.26	-0.25	-0.80
5,275.00	4.48	293.34	5,266.21	106.25	-181.34	-98.75	0.30	-0.28	-1.01
5,369.00	5.50	311.93	5,359.86	110.71	-188.06	-102.94	2.02	1.09	19.78
5,462.00	5.56	310.37	5,452.43	116.61	-194.81	-108.56	0.17	0.06	-1.68
5,555.00	5.48	309.62	5,545.00	122.36	-201.67	-114.02	0.12	-0.09	-0.81
5,650.00	5.33	310.28	5,639.57	128.10	-208.53	-119.48	0.17	-0.16	0.69
5,744.00	4.58	311.38	5,733.22	133.41	-214.67	-124.53	0.80	-0.80	1.17
5,837.00	4.47	312.37	5,825.93	138.30	-220.14	-129.20	0.15	-0.12	1.06
5,930.00	4.30	311.39	5,918.66	143.05	-225.43	-133.73	0.20	-0.18	-1.05
6,025.00	4.18	309.27	6,013.40	147.60	-230.78	-138.05	0.21	-0.13	-2.23
6,117.00	4.04	307.08	6,105.16	151.67	-235.96	-141.91	0.23	-0.15	-2.38
6,211.00	3.43	307.76	6,198.96	155.39	-240.83	-145.43	0.65	-0.65	0.72
6,305.00	3.18	310.06	6,292.81	158.79	-245.05	-148.65	0.30	-0.27	2.45
6,399.00	3.31	310.11	6,386.66	162.22	-249.12	-151.91	0.14	0.14	0.05
6,491.00	2.71	303.67	6,478.53	165.14	-252.96	-154.67	0.75	-0.65	-7.00
6,585.00	3.09	298.30	6,572.41	167.57	-257.04	-156.93	0.50	0.40	-5.71
6,679.00	3.60	297.09	6,666.25	170.11	-261.90	-159.28	0.55	0.54	-1.29
6,772.00	3.43	293.87	6,759.07	172.57	-267.04	-161.52	0.28	-0.18	-3.46
6,866.00	4.21	294.01	6,852.86	175.11	-272.76	-163.83	0.83	0.83	0.15
6,960.00	3.79	291.50	6,946.64	177.65	-278.81	-166.12	0.48	-0.45	-2.67
7,054.00	4.47	308.38	7,040.39	181.07	-284.57	-169.30	1.47	0.72	17.96
7,148.00	4.02	306.14	7,134.14	185.28	-290.10	-173.29	0.51	-0.48	-2.38
7,242.00	4.46	304.77	7,227.88	189.31	-295.76	-177.08	0.48	0.47	-1.46
7,336.00	4.39	304.86	7,321.60	193.45	-301.72	-180.97	0.07	-0.07	0.10
7,430.00	4.28	299.76	7,415.33	197.25	-307.72	-184.52	0.43	-0.12	-5.43
7,523.00	4.05	288.38	7,508.09	200.01	-313.85	-187.03	0.92	-0.25	-12.24
7,617.00	3.73	289.34	7,601.87	202.07	-319.88	-188.84	0.35	-0.34	1.02
7,710.00	4.98	293.67	7,694.60	204.69	-326.43	-191.19	1.39	1.34	4.66
7,803.00	4.57	289.35	7,787.28	207.54	-333.63	-193.74	0.59	-0.44	-4.65
7,897.00	4.10	288.41	7,881.01	209.84	-340.35	-195.77	0.51	-0.50	-1.00
7,992.00	3.58	282.74	7,975.79	211.57	-346.46	-197.24	0.68	-0.55	-5.97
8,086.00	3.29	281.15	8,069.63	212.74	-351.97	-198.19	0.32	-0.31	-1.69
8,181.00	2.99	274.98	8,164.48	213.48	-357.11	-198.72	0.48	-0.32	-6.49
8,276.00	2.66	271.89	8,259.37	213.77	-361.79	-198.82	0.38	-0.35	-3.25
8,370.00	2.25	272.08	8,353.28	213.90	-365.81	-198.79	0.44	-0.44	0.20
8,464.00	0.94	302.45	8,447.24	214.39	-368.30	-199.17	1.61	-1.39	32.31
8,558.00	0.60	292.38	8,541.23	214.99	-369.41	-199.72	0.39	-0.36	-10.71
8,652.00	0.68	190.13	8,635.23	214.62	-369.96	-199.34	1.06	0.09	-108.78
8,745.00	1.41	183.53	8,728.22	212.94	-370.13	-197.65	0.79	0.78	-7.10
8,840.00	1.50	176.43	8,823.18	210.53	-370.13	-195.24	0.21	0.09	-7.47
8,934.00	1.49	173.52	8,917.15	208.09	-369.91	-192.81	0.08	-0.01	-3.10
9,028.00	1.47	169.23	9,011.12	205.69	-369.55	-190.43	0.12	-0.02	-4.56

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W1KN Fed Com #3H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3061.00usft (Pat. 244)
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Well:	W1KN Fed Com #3H	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)
9,099.00	1.46	170.14	9,082.10	203.90	-369.22	-188.66	0.04	-0.01	1.28
9,141.00	1.43	175.42	9,124.08	202.86	-369.09	-187.62	0.32	-0.07	12.57
9,235.00	7.20	178.41	9,217.78	195.79	-368.83	-180.57	6.14	6.14	3.18
9,287.00	10.19	178.52	9,269.18	187.93	-368.62	-172.73	5.75	5.75	0.21
9,328.00	12.69	177.36	9,309.36	179.81	-368.32	-164.62	6.12	6.10	-2.83
9,374.00	16.23	172.98	9,353.89	168.38	-367.30	-153.24	8.05	7.70	-9.52
9,421.00	19.49	174.05	9,398.62	154.06	-365.69	-139.00	6.97	6.94	2.28
9,513.00	26.29	180.69	9,483.34	118.37	-364.34	-103.40	7.90	7.39	7.22
9,558.00	31.53	186.85	9,522.73	96.70	-365.86	-81.69	13.38	11.64	13.69
9,607.00	38.31	182.39	9,562.89	68.77	-368.03	-53.69	14.78	13.84	-9.10
9,652.00	47.52	181.10	9,595.81	38.18	-368.93	-23.08	20.56	20.47	-2.87
9,700.00	55.55	180.03	9,625.65	0.63	-369.28	14.45	16.82	16.73	-2.23
9,794.00	67.25	179.28	9,670.57	-81.76	-368.76	96.74	12.47	12.45	-0.80
9,814.00	72.17	178.67	9,677.50	-100.51	-368.42	115.47	24.77	24.60	-3.05
9,880.00	79.31	177.36	9,693.75	-164.39	-366.19	179.21	10.99	10.82	-1.98
9,974.00	82.89	177.37	9,708.29	-257.15	-361.92	271.71	3.81	3.81	0.01
10,068.00	88.51	179.37	9,715.33	-350.80	-359.26	365.18	6.34	5.98	2.13
10,162.00	88.93	179.19	9,717.43	-444.77	-358.08	459.02	0.49	0.45	-0.19
10,256.00	87.20	178.03	9,720.61	-538.68	-355.81	552.76	2.22	-1.84	-1.23
10,350.00	90.78	177.84	9,722.26	-632.59	-352.42	646.45	3.81	3.81	-0.20
10,443.00	90.59	178.47	9,721.15	-725.54	-349.43	739.20	0.71	-0.20	0.68
10,537.00	90.14	178.59	9,720.55	-819.50	-347.01	832.99	0.50	-0.48	0.13
10,630.00	90.34	177.64	9,720.16	-912.45	-343.96	925.73	1.04	0.22	-1.02
10,723.00	89.75	176.04	9,720.09	-1,005.31	-338.83	1,018.30	1.83	-0.63	-1.72
10,817.00	88.51	176.90	9,721.52	-1,099.12	-333.04	1,111.80	1.61	-1.32	0.91
10,910.00	87.50	177.92	9,724.76	-1,191.96	-328.84	1,204.39	1.54	-1.09	1.10
11,004.00	91.21	182.99	9,725.81	-1,285.91	-329.59	1,298.29	6.68	3.95	5.39
11,097.00	93.05	183.55	9,722.36	-1,378.69	-334.89	1,391.21	2.07	1.98	0.60
11,190.00	92.86	183.41	9,717.56	-1,471.39	-340.53	1,484.07	0.25	-0.20	-0.15
11,283.00	92.78	183.60	9,712.99	-1,564.10	-346.21	1,576.94	0.22	-0.09	0.20
11,377.00	90.36	182.55	9,710.41	-1,657.93	-351.25	1,670.88	2.81	-2.57	-1.12
11,471.00	89.76	182.19	9,710.31	-1,751.84	-355.13	1,764.88	0.74	-0.64	-0.38
11,563.00	90.59	181.03	9,710.03	-1,843.81	-357.72	1,856.87	1.55	0.90	-1.26
11,657.00	90.31	180.21	9,709.30	-1,937.80	-358.73	1,950.83	0.92	-0.30	-0.87
11,750.00	90.00	179.75	9,709.04	-2,030.80	-358.70	2,043.75	0.60	-0.33	-0.49
11,843.00	90.22	179.07	9,708.86	-2,123.79	-357.74	2,136.63	0.77	0.24	-0.73
11,936.00	90.28	179.05	9,708.46	-2,216.78	-356.22	2,229.47	0.07	0.06	-0.02
12,030.00	89.80	180.07	9,708.39	-2,310.77	-355.50	2,323.36	1.20	-0.51	1.09
12,124.00	89.41	180.34	9,709.04	-2,404.77	-355.83	2,417.29	0.50	-0.41	0.29
12,217.00	90.17	181.02	9,709.38	-2,497.76	-356.94	2,510.25	1.10	0.82	0.73
12,312.00	89.86	181.54	9,709.36	-2,592.74	-359.06	2,605.23	0.64	-0.33	0.55
12,405.00	89.89	181.67	9,709.56	-2,685.70	-361.66	2,698.23	0.14	0.03	0.14
12,498.00	89.61	181.29	9,709.97	-2,778.67	-364.07	2,791.22	0.51	-0.30	-0.41
12,591.00	89.08	178.90	9,711.03	-2,871.65	-364.22	2,884.13	2.63	-0.57	-2.57

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W1KN Fed Com #3H
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:	W1KN Fed Com #3H	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)
12,685.00	89.19	176.73	9,712.45	-2,965.57	-360.64	2,977.82	2.31	0.12	-2.31
12,779.00	89.16	175.44	9,713.80	-3,059.34	-354.22	3,071.25	1.37	-0.03	-1.37
12,872.00	90.20	174.53	9,714.32	-3,151.98	-346.09	3,163.48	1.49	1.12	-0.98
12,966.00	89.24	172.93	9,714.78	-3,245.41	-335.82	3,256.42	1.98	-1.02	-1.70
13,060.00	89.36	171.73	9,715.93	-3,338.56	-323.28	3,348.98	1.28	0.13	-1.28
13,153.00	89.80	171.37	9,716.61	-3,430.55	-309.61	3,440.33	0.61	0.47	-0.39
13,200.00	90.42	172.46	9,716.52	-3,477.08	-303.00	3,486.55	2.67	1.32	2.32
13,247.00	91.32	173.81	9,715.81	-3,523.74	-297.39	3,532.94	3.45	1.91	2.87
13,340.00	91.54	176.77	9,713.49	-3,616.38	-289.75	3,625.20	3.19	0.24	3.18
13,433.00	92.75	180.19	9,710.00	-3,709.27	-287.29	3,717.91	3.90	1.30	3.68
13,526.00	92.66	183.05	9,705.61	-3,802.12	-289.91	3,810.79	3.07	-0.10	3.08
13,620.00	92.27	183.21	9,701.57	-3,895.89	-295.04	3,904.69	0.45	-0.41	0.17
13,714.00	91.60	183.09	9,698.40	-3,989.70	-300.20	3,998.63	0.72	-0.71	-0.13
13,808.00	91.63	183.16	9,695.75	-4,083.52	-305.33	4,092.58	0.08	0.03	0.07
13,901.00	91.12	182.69	9,693.52	-4,176.37	-310.07	4,185.55	0.75	-0.55	-0.51
13,995.00	90.90	182.95	9,691.86	-4,270.24	-314.69	4,279.53	0.36	-0.23	0.28
14,088.00	91.51	183.61	9,689.90	-4,363.07	-320.01	4,372.50	0.97	0.66	0.71
14,182.00	90.92	182.78	9,687.91	-4,456.90	-325.25	4,466.46	1.08	-0.63	-0.88
14,275.00	90.48	184.13	9,686.77	-4,549.72	-330.86	4,559.44	1.53	-0.47	1.45
14,369.00	89.22	182.30	9,687.02	-4,643.57	-336.13	4,653.42	2.36	-1.34	-1.95
14,463.00	89.75	182.10	9,687.87	-4,737.49	-339.74	4,747.42	0.60	0.56	-0.21
14,557.00	90.20	183.18	9,687.91	-4,831.39	-344.07	4,841.41	1.24	0.48	1.15
14,650.00	88.57	181.33	9,688.90	-4,924.31	-347.72	4,934.40	2.65	-1.75	-1.99
14,744.00	87.06	179.44	9,692.49	-5,018.23	-348.36	5,028.27	2.57	-1.61	-2.01
14,837.00	87.34	179.20	9,697.03	-5,111.11	-347.25	5,121.03	0.40	0.30	-0.26
14,930.00	87.56	179.68	9,701.17	-5,204.02	-346.35	5,213.82	0.57	0.24	0.52
15,022.00	88.23	179.57	9,704.55	-5,295.95	-345.74	5,305.65	0.74	0.73	-0.12
15,116.00	89.86	180.19	9,706.12	-5,389.93	-345.55	5,399.55	1.86	1.73	0.66
15,210.00	88.79	180.33	9,707.22	-5,483.93	-345.97	5,493.48	1.15	-1.14	0.15
15,303.00	89.33	179.96	9,708.75	-5,576.91	-346.21	5,586.40	0.70	0.58	-0.40
15,396.00	89.16	178.96	9,709.97	-5,669.90	-345.33	5,679.27	1.09	-0.18	-1.08
15,489.00	88.63	177.92	9,711.77	-5,762.85	-342.80	5,772.04	1.25	-0.57	-1.12
15,582.00	89.19	177.42	9,713.54	-5,855.75	-339.02	5,864.71	0.81	0.60	-0.54
15,675.00	89.78	176.69	9,714.37	-5,948.62	-334.24	5,957.31	1.01	0.63	-0.78
15,768.00	89.89	177.11	9,714.64	-6,041.49	-329.21	6,049.89	0.47	0.12	0.45
15,862.00	89.66	177.49	9,715.01	-6,135.38	-324.79	6,143.53	0.47	-0.24	0.40
15,954.00	90.14	177.80	9,715.17	-6,227.30	-321.01	6,235.22	0.62	0.52	0.34
16,048.00	89.78	177.48	9,715.24	-6,321.22	-317.14	6,328.90	0.51	-0.38	-0.34
16,141.00	89.55	176.85	9,715.78	-6,414.11	-312.54	6,421.52	0.72	-0.25	-0.68
16,234.00	90.67	178.22	9,715.60	-6,507.02	-308.54	6,514.19	1.90	1.20	1.47
16,327.00	89.47	178.61	9,715.49	-6,599.98	-305.96	6,606.97	1.36	-1.29	0.42
16,420.00	89.47	179.54	9,716.35	-6,692.96	-304.46	6,699.81	1.00	0.00	1.00
16,514.00	89.05	179.39	9,717.56	-6,786.95	-303.58	6,793.69	0.47	-0.45	-0.16

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W1KN Fed Com #3H
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:	W1KN Fed Com #3H	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)	
16,609.00	91.79	181.23	9,716.87	-6,881.93	-304.10	6,888.61	3.47	2.88	1.94	
16,701.00	92.24	181.80	9,713.63	-6,973.84	-306.53	6,980.54	0.79	0.49	0.62	
16,794.00	92.86	181.73	9,709.49	-7,066.71	-309.39	7,073.45	0.67	0.67	-0.08	
16,888.00	93.42	181.89	9,704.34	-7,160.52	-312.36	7,167.30	0.62	0.60	0.17	
16,983.00	92.94	181.56	9,699.07	-7,255.33	-315.21	7,262.15	0.61	-0.51	-0.35	
17,077.00	93.28	182.33	9,693.97	-7,349.14	-318.40	7,356.01	0.89	0.36	0.82	
17,117.00	92.94	182.43	9,691.80	-7,389.04	-320.05	7,395.95	0.89	-0.85	0.25	
Last MWD Survey @ 17117'										
17,180.55	92.94	182.43	9,688.54	-7,452.45	-322.75	7,459.42	0.00	0.00	0.00	
W1KN #3H PBHL										
17,190.00	92.94	182.43	9,688.06	-7,461.88	-323.15	7,468.85	0.00	0.00	0.00	
PTB @ 17190'										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
195.00	195.00	0.04	-0.51	First MWD Survey	
17,117.00	9,691.80	-7,389.04	-320.05	Last MWD Survey @ 17117'	
17,190.00	9,688.06	-7,461.88	-323.15	PTB @ 17190'	

Checked By: _____	Approved By: _____	Date: _____
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