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Mewbourne Oil Company

Eddy County, N.M. Nad (83)

Section 32/29-23S-27E Viper 32 29 W2PI Fed Com 1H

Viper 32/29 W2PI Fed Com 1H

Original Hole

Design: Original Hole

Standard Survey Report

25 April, 2019

STRYKER
DIRECTIONAL



Microsoft
Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Viper 32/29 W2PI Fed Com 1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	3229+28 @ 3257.0usft (Patterson 217)
Site:	Section 32/29-23S-27E Viper 32 29 W2PI Fed Com 1H	MD Reference:	3229+28 @ 3257.0usft (Patterson 217)
Well:	Viper 32/29 W2PI Fed Com 1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM5000

Project	Eddy County, N.M. 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:	Section 32/29-23S-27E Viper 32 29 W2PI Fed Com 1H		
Site Position:		Northing:	456,456.50 usft
From:	Map	Easting:	580,339.80 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 15' 17.320 N
		Longitude:	104° 12' 25.792 W
		Grid Convergence:	0.07 °

Well:	Viper 32/29 W2PI Fed Com 1H		
Well Position	+N/-S	0.0 usft	Northing: 456,456.50 usft
	+E/-W	0.0 usft	Easting: 580,339.80 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	28.0 usft
		Latitude:	32° 15' 17.320 N
		Longitude:	104° 12' 25.792 W
		Ground Level:	3,229.0 usft

Wellbore	Original Hole		
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Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF2015	03/18/19	7.06	59.97	47,710.16616825

Design	Original Hole		
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Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0

Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	5.79

Survey Program	Date 04/25/19		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
100.0	17,285.0	MWD Survey #1 (Original Hole)	MWD+IGRF
			OWSG MWD + IGRF or WMM

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.18	32.57	100.0	0.1	0.1	0.1	0.18	0.18	0.00
200.0	0.05	166.69	200.0	0.2	0.2	0.2	0.22	-0.13	134.12
300.0	0.30	148.86	300.0	0.0	0.3	0.0	0.25	0.25	-17.83
365.0	0.57	124.06	365.0	-0.4	0.7	-0.3	0.50	0.42	-38.15
465.0	2.10	133.60	465.0	-1.9	2.4	-1.7	1.54	1.53	9.54
643.0	1.80	121.70	642.9	-5.6	7.2	-4.9	0.28	-0.17	-6.69
831.0	4.40	119.90	830.6	-10.8	15.9	-9.1	1.38	1.38	-0.96
1,021.0	4.00	117.20	1,020.1	-17.4	28.1	-14.5	0.23	-0.21	-1.42
1,211.0	5.10	115.10	1,209.5	-24.1	41.7	-19.7	0.59	0.58	-1.11



Microsoft
Survey Report



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Site:	Section 32/29-23S-27E Viper 32 29 W2PI Fed Com 1H	MD Reference:	3229 +28 @ 3257.0usft (Patterson 217)
Well:	Viper 32/29 W2PI Fed Com 1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM5000

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)
1,400.0	5.50	122.60	1,397.7	-32.5	56.9	-26.6	0.42	0.21	3.97
1,590.0	5.80	120.70	1,586.7	-42.3	72.8	-34.7	0.19	0.16	-1.00
1,780.0	6.10	114.60	1,775.7	-51.4	90.3	-42.0	0.37	0.16	-3.21
1,969.0	5.50	128.10	1,963.8	-61.2	106.5	-50.1	0.79	-0.32	7.14
2,000.0	5.10	127.20	1,994.6	-62.9	108.8	-51.6	1.32	-1.29	-2.90
2,115.0	4.30	126.70	2,109.2	-68.6	116.3	-56.5	0.70	-0.70	-0.43
2,304.0	3.60	125.20	2,297.8	-76.2	126.9	-63.1	0.37	-0.37	-0.79
2,493.0	3.30	123.50	2,486.4	-82.7	136.2	-68.5	0.17	-0.16	-0.90
2,683.0	3.30	127.90	2,676.1	-89.0	145.1	-73.9	0.13	0.00	2.32
2,872.0	3.60	104.80	2,864.8	-93.9	155.2	-77.8	0.75	0.16	-12.22
3,062.0	5.30	125.60	3,054.2	-100.5	168.1	-83.1	1.22	0.89	10.95
3,252.0	4.70	128.60	3,243.5	-110.5	181.3	-91.6	0.34	-0.32	1.58
3,441.0	4.50	113.60	3,431.9	-118.3	194.1	-98.1	0.64	-0.11	-7.94
3,631.0	4.60	121.80	3,621.3	-125.3	207.4	-103.7	0.35	0.05	4.32
3,821.0	4.50	123.50	3,810.7	-133.4	220.1	-110.5	0.09	-0.05	0.89
4,011.0	4.10	117.00	4,000.2	-140.6	232.4	-116.5	0.33	-0.21	-3.42
4,200.0	3.60	117.70	4,188.7	-146.5	243.7	-121.1	0.27	-0.26	0.37
4,390.0	2.70	118.00	4,378.5	-151.3	252.9	-125.0	0.47	-0.47	0.16
4,580.0	3.80	115.60	4,568.1	-156.1	262.5	-128.9	0.58	0.58	-1.26
4,770.0	4.40	117.90	4,757.7	-162.3	274.6	-133.7	0.33	0.32	1.21
4,959.0	4.30	119.90	4,946.1	-169.2	287.2	-139.4	0.10	-0.05	1.06
5,149.0	3.80	119.50	5,135.6	-175.9	298.8	-144.8	0.26	-0.26	-0.21
5,338.0	3.90	121.30	5,324.2	-182.3	309.8	-150.1	0.08	0.05	0.95
5,528.0	4.10	117.60	5,513.7	-188.8	321.3	-155.4	0.17	0.11	-1.95
5,717.0	4.40	122.40	5,702.2	-195.8	333.4	-161.1	0.25	0.16	2.54
5,907.0	3.20	132.10	5,891.8	-203.3	343.5	-167.5	0.71	-0.63	5.11
6,097.0	3.30	121.10	6,081.5	-209.6	352.1	-173.0	0.33	0.05	-5.79
6,286.0	4.00	116.70	6,270.1	-215.4	362.7	-177.7	0.40	0.37	-2.33
6,476.0	5.30	123.50	6,459.5	-223.2	375.9	-184.1	0.74	0.68	3.58
6,665.0	5.70	127.30	6,647.6	-233.7	390.7	-193.1	0.29	0.21	2.01
6,854.0	4.00	124.90	6,835.9	-243.2	403.5	-201.2	0.91	-0.90	-1.27
7,044.0	2.70	117.90	7,025.6	-249.1	412.9	-206.1	0.72	-0.68	-3.68
7,233.0	4.00	125.10	7,214.3	-255.0	422.3	-211.0	0.72	0.69	3.81
7,423.0	3.70	111.70	7,403.9	-261.0	433.4	-216.0	0.50	-0.16	-7.05
7,613.0	2.50	121.90	7,593.6	-265.5	442.6	-219.5	0.69	-0.63	5.37
7,803.0	3.80	123.80	7,783.3	-271.2	451.3	-224.2	0.69	0.68	1.00
7,993.0	2.80	108.10	7,973.0	-276.1	461.0	-228.2	0.70	-0.53	-8.26
8,182.0	4.70	122.80	8,161.6	-281.8	471.9	-232.7	1.12	1.01	7.78
8,372.0	3.70	129.30	8,351.1	-289.9	483.2	-239.6	0.58	-0.53	3.42
8,561.0	3.10	127.80	8,539.7	-296.9	491.9	-245.7	0.32	-0.32	-0.79
8,751.0	2.70	124.30	8,729.5	-302.5	499.7	-250.5	0.23	-0.21	-1.84
8,940.0	3.50	113.90	8,918.2	-307.4	508.6	-254.5	0.52	0.42	-5.50



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Survey Report



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Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM5000

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)
9,129.0	2.20	119.80	9,107.0	-311.5	517.1	-257.7	0.70	-0.69	3.12
9,223.1	2.14	125.97	9,201.0	-313.4	520.1	-259.3	0.26	-0.07	6.56
B.B. Viper 32/29 W2PI Fed Com 1H									
9,318.0	2.10	132.50	9,295.8	-315.7	522.8	-261.3	0.26	-0.04	6.88
9,407.0	2.40	58.70	9,384.8	-315.8	525.6	-261.1	3.05	0.34	-82.92
9,438.0	6.20	29.20	9,415.7	-314.0	526.9	-259.2	13.80	12.26	-95.16
9,469.0	10.60	21.10	9,446.3	-309.9	528.8	-254.9	14.66	14.19	-26.13
9,501.0	14.10	15.30	9,477.6	-303.4	530.9	-248.2	11.59	10.94	-18.13
9,532.0	17.20	13.00	9,507.5	-295.2	532.9	-240.0	10.20	10.00	-7.42
9,564.0	20.60	12.40	9,537.7	-285.1	535.2	-229.7	10.64	10.63	-1.88
9,595.0	24.20	11.10	9,566.4	-273.6	537.6	-217.9	11.72	11.61	-4.19
9,627.0	27.20	8.80	9,595.2	-259.9	539.9	-204.1	9.88	9.38	-7.19
9,658.0	29.80	6.50	9,622.5	-245.2	541.9	-189.3	9.10	8.39	-7.42
9,690.0	32.40	5.00	9,649.9	-228.8	543.5	-172.8	8.48	8.13	-4.69
9,721.0	34.90	4.00	9,675.7	-211.7	544.9	-155.6	8.26	8.06	-3.23
9,753.0	36.80	3.70	9,701.6	-193.0	546.1	-136.9	5.96	5.94	-0.94
9,784.0	39.40	3.10	9,726.0	-173.9	547.3	-117.8	8.47	8.39	-1.94
9,816.0	42.20	1.90	9,750.2	-153.0	548.2	-96.9	9.09	8.75	-3.75
9,847.0	44.70	359.60	9,772.7	-131.7	548.5	-75.7	9.54	8.06	-7.42
9,879.0	46.50	359.20	9,795.1	-108.8	548.2	-52.9	5.70	5.63	-1.25
9,911.0	48.80	359.80	9,816.7	-85.2	548.0	-29.4	7.32	7.19	1.88
9,942.0	51.50	0.60	9,836.5	-61.4	548.1	-5.7	8.93	8.71	2.58
9,974.0	54.00	1.10	9,855.9	-35.9	548.5	19.6	7.91	7.81	1.56
10,005.0	56.40	1.60	9,873.6	-10.5	549.1	45.0	7.85	7.74	1.61
10,037.0	58.90	2.00	9,890.7	16.6	549.9	72.0	7.88	7.81	1.25
10,068.0	61.30	1.80	9,906.2	43.4	550.8	98.8	7.76	7.74	-0.65
10,100.0	63.60	1.60	9,921.0	71.8	551.7	127.1	7.21	7.19	-0.63
10,131.0	66.10	1.40	9,934.1	99.8	552.4	155.1	8.09	8.06	-0.65
10,162.0	68.60	1.50	9,946.1	128.4	553.1	183.6	8.07	8.06	0.32
10,194.0	71.40	1.20	9,957.0	158.5	553.8	213.6	8.79	8.75	-0.94
10,224.0	74.30	0.10	9,965.9	187.1	554.1	242.1	10.28	9.67	-3.67
10,282.0	76.90	0.30	9,980.3	243.3	554.3	298.0	4.50	4.48	0.34
10,314.0	77.60	0.30	9,987.3	274.5	554.5	329.1	2.19	2.19	0.00
10,345.0	79.10	0.30	9,993.6	304.9	554.7	359.3	4.84	4.84	0.00
10,373.0	78.30	0.70	9,999.1	332.3	554.9	386.6	3.18	-2.86	1.43
10,404.0	81.40	0.40	10,004.5	362.8	555.2	417.0	10.05	10.00	-0.97
10,425.0	87.60	1.40	10,006.6	383.7	555.5	437.8	29.90	29.52	4.76
10,470.0	98.00	4.10	10,004.4	428.6	557.7	482.7	23.87	23.11	6.00
10,504.0	95.70	4.40	10,000.3	462.2	560.2	516.4	6.82	-6.76	0.88
10,536.0	93.10	4.10	9,997.9	494.0	562.5	548.3	8.18	-8.13	-0.94
10,567.0	89.60	4.00	9,997.1	524.9	564.7	579.3	11.29	-11.29	-0.32
10,599.0	88.80	3.90	9,997.6	556.9	566.9	611.2	2.52	-2.50	-0.31
10,630.0	88.70	2.90	9,998.2	587.8	568.8	642.2	3.24	-0.32	-3.23



Microsoft
Survey Report



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Project:	Eddy County, N.M. N4d (83)	TVD Reference:	3229 +28 @ 3257.0usft (Patterson, 217)
Site:	Section 32/29-23S-27E Viper 32/29 W2PI Fed Com 1H	MD Reference:	3229 +28 @ 3257.0usft (Patterson, 217)
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Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM5000

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)	
10,693.0	91.40	1.80	9,998.2	650.7	571.4	705.1	4.63	4.29	-1.75	
10,788.0	91.50	1.60	9,995.8	745.7	574.2	799.8	0.24	0.11	-0.21	
10,883.0	90.00	1.30	9,994.5	840.6	576.6	894.5	1.61	-1.58	-0.32	
10,977.0	87.10	0.90	9,996.9	934.6	578.4	988.2	3.11	-3.09	-0.43	
11,071.0	91.90	1.70	9,997.7	1,028.5	580.5	1,081.9	5.18	5.11	0.85	
11,166.0	91.30	2.30	9,995.1	1,123.4	583.8	1,176.6	0.89	-0.63	0.63	
11,261.0	94.00	3.10	9,990.7	1,218.2	588.3	1,271.4	2.96	2.84	0.84	
11,355.0	89.20	1.60	9,988.1	1,312.1	592.1	1,365.1	5.35	-5.11	-1.60	
11,449.0	87.30	0.20	9,990.9	1,406.0	593.6	1,458.7	2.51	-2.02	-1.49	
11,544.0	88.20	2.00	9,994.7	1,500.9	595.4	1,553.3	2.12	0.95	1.89	
11,639.0	89.80	2.90	9,996.3	1,595.8	599.5	1,648.2	1.93	1.68	0.95	
11,733.0	87.30	359.90	9,998.7	1,689.7	601.8	1,741.8	4.15	-2.66	-3.19	
11,828.0	88.30	1.00	10,002.4	1,784.6	602.5	1,836.3	1.56	1.05	1.16	
11,923.0	87.50	1.00	10,005.8	1,879.6	604.2	1,931.0	0.84	-0.84	0.00	
12,018.0	90.20	358.70	10,007.7	1,974.5	604.0	2,025.4	3.73	2.84	-2.42	
12,113.0	94.90	3.00	10,003.5	2,069.4	605.4	2,119.9	6.70	4.95	4.53	
12,207.0	90.30	359.40	9,999.3	2,163.2	607.3	2,213.5	6.21	-4.89	-3.83	
12,302.0	88.80	359.30	10,000.0	2,258.2	606.2	2,307.9	1.58	-1.58	-0.11	
12,397.0	87.80	0.10	10,002.8	2,353.2	605.7	2,402.3	1.35	-1.05	0.84	
12,491.0	90.70	2.30	10,004.0	2,447.1	607.7	2,496.0	3.87	3.09	2.34	
12,585.0	85.70	357.00	10,007.0	2,541.0	607.1	2,589.3	7.75	-5.32	-5.64	
12,685.0	85.40	357.50	10,014.8	2,640.6	602.4	2,687.9	0.58	-0.30	0.50	
12,780.0	88.60	358.70	10,019.7	2,735.4	599.2	2,781.9	3.60	3.37	1.26	
12,874.0	91.90	0.10	10,019.3	2,829.4	598.2	2,875.3	3.81	3.51	1.49	
12,968.0	91.00	0.30	10,016.9	2,923.3	598.6	2,968.8	0.98	-0.96	0.21	
13,062.0	87.20	357.00	10,018.4	3,017.3	596.3	3,062.1	5.35	-4.04	-3.51	
13,157.0	93.00	359.40	10,018.3	3,112.2	593.4	3,156.2	6.61	6.11	2.53	
13,252.0	93.40	0.10	10,012.9	3,207.0	593.0	3,250.5	0.85	0.42	0.74	
13,347.0	87.40	358.70	10,012.3	3,302.0	592.0	3,344.9	6.49	-6.32	-1.47	
13,442.0	89.30	1.00	10,015.0	3,396.9	591.7	3,439.3	3.14	2.00	2.42	
13,536.0	89.20	1.50	10,016.3	3,490.9	593.8	3,533.0	0.54	-0.11	0.53	
13,631.0	90.50	3.80	10,016.5	3,585.8	598.2	3,627.8	2.78	1.37	2.42	
13,726.0	87.30	357.30	10,018.3	3,680.7	599.1	3,722.4	7.62	-3.37	-6.84	
13,821.0	87.70	357.70	10,022.5	3,775.5	594.9	3,816.3	0.60	0.42	0.42	
13,915.0	90.70	358.80	10,023.8	3,869.5	592.1	3,909.4	3.40	3.19	1.17	
14,010.0	91.40	358.50	10,022.0	3,964.4	589.8	4,003.7	0.80	0.74	-0.32	
14,105.0	89.80	354.80	10,021.0	4,059.2	584.3	4,097.5	4.24	-1.68	-3.89	
14,200.0	93.10	356.00	10,018.6	4,153.9	576.7	4,190.9	3.70	3.47	1.26	
14,295.0	94.20	0.20	10,012.6	4,248.6	573.5	4,284.8	4.56	1.16	4.42	
14,389.0	93.30	2.20	10,006.4	4,342.4	575.5	4,378.3	2.33	-0.96	2.13	
14,484.0	91.00	2.40	10,002.9	4,437.2	579.3	4,473.0	2.43	-2.42	0.21	
14,579.0	90.30	2.10	10,001.8	4,532.1	583.0	4,567.8	0.80	-0.74	-0.32	



Microsoft
Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Viper 32/29 W2PI Fed Com 1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	3229 +28 @ 3257.0usft (Patterson 217)
Site:	Section 32/29-23S-27E Viper 32 29 W2PI Fed Com 1H	MD Reference:	3229 +28 @ 3257.0usft (Patterson 217)
Well:	Viper 32/29 W2PI Fed Com 1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM5000

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)
14,674.0	89.60	4.00	10,001.9	4,627.0	588.1	4,662.7	2.13	-0.74	2.00
14,769.0	89.10	3.50	10,003.0	4,721.8	594.3	4,757.7	0.74	-0.53	-0.53
14,864.0	88.30	2.90	10,005.1	4,816.6	599.6	4,852.5	1.05	-0.84	-0.63
14,958.0	87.50	3.50	10,008.6	4,910.4	604.8	4,946.4	1.06	-0.85	0.64
15,053.0	90.00	2.20	10,010.6	5,005.3	609.5	5,041.2	2.97	2.63	-1.37
15,148.0	90.20	0.70	10,010.5	5,100.2	611.9	5,135.9	1.59	0.21	-1.58
15,243.0	90.70	0.90	10,009.7	5,195.2	613.3	5,230.6	0.57	0.53	0.21
15,307.0	90.80	1.30	10,008.9	5,259.2	614.5	5,294.4	0.64	0.16	0.63
15,349.0	91.30	2.00	10,008.1	5,301.2	615.7	5,336.2	2.05	1.19	1.67
15,444.0	87.10	3.00	10,009.4	5,396.1	619.9	5,431.1	4.54	-4.42	1.05
15,538.0	89.80	4.70	10,012.0	5,489.8	626.2	5,525.0	3.39	2.87	1.81
15,633.0	88.70	3.90	10,013.2	5,584.5	633.3	5,619.9	1.43	-1.16	-0.84
15,728.0	86.10	1.80	10,017.5	5,679.3	638.0	5,714.7	3.52	-2.74	-2.21
15,823.0	87.10	1.20	10,023.2	5,774.1	640.5	5,809.2	1.23	1.05	-0.63
15,918.0	88.80	0.20	10,026.6	5,869.0	641.6	5,903.8	2.08	1.79	-1.05
16,012.0	91.80	0.70	10,026.1	5,963.0	642.4	5,997.4	3.24	3.19	0.53
16,107.0	91.00	0.70	10,023.8	6,058.0	643.5	6,092.0	0.84	-0.84	0.00
16,201.0	93.40	2.10	10,020.1	6,151.9	645.8	6,185.6	2.96	2.55	1.49
16,296.0	92.00	2.10	10,015.7	6,246.7	649.3	6,280.3	1.47	-1.47	0.00
16,391.0	91.40	2.40	10,012.9	6,341.6	653.0	6,375.1	0.71	-0.63	0.32
16,485.0	88.90	2.30	10,012.6	6,435.5	656.9	6,468.9	2.66	-2.66	-0.11
16,580.0	86.90	3.70	10,016.1	6,530.3	661.9	6,563.7	2.57	-2.11	1.47
16,675.0	94.80	5.80	10,014.7	6,624.9	669.7	6,658.6	8.60	8.32	2.21
16,770.0	92.10	7.00	10,009.0	6,719.1	680.3	6,753.4	3.11	-2.84	1.26
16,864.0	92.00	5.90	10,005.6	6,812.4	690.8	6,847.4	1.17	-0.11	-1.17
16,959.0	87.00	3.30	10,006.4	6,907.1	698.5	6,942.3	5.93	-5.26	-2.74
17,053.0	92.80	7.10	10,006.6	7,000.6	707.0	7,036.2	7.38	6.17	4.04
17,147.0	88.00	6.00	10,005.9	7,094.0	717.7	7,130.2	5.24	-5.11	-1.17
17,235.0	89.10	6.90	10,008.2	7,181.4	727.6	7,218.2	1.61	1.25	1.02
17,285.0	89.10	6.90	10,009.0	7,231.0	733.6	7,268.2	0.00	0.00	0.00
17285.0' MD Projected to Bit - PBHL Viper 32/29 W2PI Fed Com #1H									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
17,285.0	10,009.0	7,231.0	733.6	17285.0' MD Projected to Bit

STRYKER

DIRECTIONAL

April 25, 2019

New Mexico Energy, Minerals and Natural Resources Department
Attn: Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Attn: Jackie Lathan

Re: Mewbourne Oil Company
Viper 32 29 W2PI Federal Com #001H
Wolfcamp D Shale
Eddy County, New Mexico
API# 30-015-44075

Enclosed please find the original and one (1) copy of the survey performed on the reference well by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C. Other information required by your office is as follows:

<u>Name & Title</u>	<u>Drainhole No.</u>	<u>Survey Depths</u>	<u>Dates Performed</u>	<u>Type Survey</u>
Greg Morris	Original Hole	100ft. to 17,235ft.	03-15-19 to 04-12-19	MWD Survey

A certified plat on which the bottom-hole location is oriented to both surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.


Eric Estes

Enclosures

CC:

Mewbourne Oil Company
Attn: Frosty Lathan
P.O. Box 5720
Hobbs, NM 88241

Mewbourne Oil Company
Attn: Robin Terrell
P.O. Box 5720
Hobbs, NM 88241

NMEMaNRD\Mewbourne Oil Company\Viper 32/29 W2PI Fed Com #1H\191072

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

P.O. Box 1250

Montgomery, TX 77356

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