



April 25, 2019

Survey Certification Report

STATE OF TEXAS

COUNTY OF Montgomery

I, Eric Estes, certify that I am employed by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C., and that I did on the day(s) of March 15, 2019, through April 12, 2019 conduct or supervise the taking of a SEDS Original Hole MWD Survey from a depth of 100feet to a depth of 17,235feet; that I am authorized and qualified to make this report; that this survey was conducted at the request of Mewbourne Oil Company, for the Viper 32/29 W2PI Federal Com #1H, well API # 30-015-44075 in Eddy County, New Mexico; and that I have reviewed this report and find that it conforms to the principles as set forth by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

A handwritten signature in black ink, appearing to read "Eric Estes", written over a horizontal line.

Eric Estes

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

P.O. Box 1250

Montgomery, TX 77356

Office (936) 582-7296 * Fax (936)-588-4163



OCD Permitting

[Home](#) > [Wells](#) > [Well Details](#)

30-015-44075 VIPER 32 29 W2PI FEDERAL COM #001H [317465]

General Well Information

Operator: [14744] MEWBOURNE OIL CO
 Status: New Direction: Horizontal
 Well Type: Gas Multi-Lateral: No
 Work Type: New Mineral Owner: State
 Surface Owner: State
 Surface Location: P-32-23S-27E 188 FSL 990 FEL
 Lat/Long: 32.25426055,-104.20668092 NAD27
 GL Elevation: 3227
 KB Elevation:
 DF Elevation: Sing/Mult Compl: Single
 Potash Waiver: False

Proposed Formation and/or Notes

NSP REQUIRED.

Depths

Proposed: 17150 Total Vertical Depth: 0
 Measured Vertical Depth: 0 Plugback Measured: 0

Formation Tops

Formation	Top	Producing	Method Obtained
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Event Dates

Initial APD Approval: 02/17/2017
 Most Recent APD Approval: 03/01/2017 Current APD Expiration: 02/16/2021
 APD Cancellation:
 APD Extension Approval: 02/11/2019
 Spud:
 Approved Temporary Abandonment:
 Shut In:
 Plug and Abandoned Intent
 Received:
 Well Plugged:
 Site Release:
 Last Inspection: 08/30/2017
 Gas Capture Plan Received:
 TA Expiration:
 PNR Expiration:
 Last MIT/BHT:

History

Effective Date	Property	Well Number	Operator	C-101 Work Type	Well Type	Well Status	APD Cancelled	Plug Date
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- [Comments](#)
- [Operator](#)
- [Pits](#)
- [Casing](#)
- [Well Completions](#)
- [Financial Assurance](#)
- [Compliance](#)
- [Complaints, Incidents and Spills](#)
- [Orders](#)
- [Production](#)
- [Transporters](#)
- [Points of Disposition](#)

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- [Well Logs](#)
- [Administrative Orders](#)

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Microsoft
MWD 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 Co	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
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Site Position:		Northing:	456,456.50 usft	Latitude:	32° 15' 17.320 N
From:	Map	Easting:	580,339.80 usft	Longitude:	104° 12' 25.792 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.07 °

Well		Viper 32/29 W2PI Fed Com 1H				
Well Position	+N/-S	0.0 usft	Northing:	456,456.50 usft	Latitude:	32° 15' 17.320 N
	+E/-W	0.0 usft	Easting:	580,339.80 usft	Longitude:	104° 12' 25.792 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	28.0 usft	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) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	5.79

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



Microsoft
MWD Report



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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							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00
100.0	0.18	32.57	100.0	0.1	0.1	0.2	32.57
200.0	0.05	166.69	200.0	0.2	0.2	0.3	38.87
300.0	0.30	148.86	300.0	0.0	0.3	0.3	97.76
365.0	0.57	124.06	365.0	-0.4	0.7	0.8	118.60
465.0	2.10	133.60	465.0	-1.9	2.4	3.1	128.33
643.0	1.80	121.70	642.9	-5.6	7.2	9.1	128.19
831.0	4.40	119.90	830.6	-10.8	15.9	19.2	124.09
1,021.0	4.00	117.20	1,020.1	-17.4	28.1	33.1	121.79
1,211.0	5.10	115.10	1,209.5	-24.1	41.7	48.1	119.99
1,400.0	5.50	122.60	1,397.7	-32.5	56.9	65.5	119.72
1,590.0	5.80	120.70	1,586.7	-42.3	72.8	84.2	120.15
1,780.0	6.10	114.60	1,775.7	-51.4	90.3	103.9	119.66
1,969.0	5.50	128.10	1,963.8	-61.2	106.5	122.9	119.87
2,000.0	5.10	127.20	1,994.6	-62.9	108.8	125.7	120.04
2,115.0	4.30	126.70	2,109.2	-68.6	116.3	135.0	120.53
2,304.0	3.60	125.20	2,297.8	-76.2	126.9	148.0	121.01
2,493.0	3.30	123.50	2,486.4	-82.7	136.2	159.4	121.25
2,683.0	3.30	127.90	2,676.1	-89.0	145.1	170.3	121.53
2,872.0	3.60	104.80	2,864.8	-93.9	155.2	181.4	121.18
3,062.0	5.30	125.60	3,054.2	-100.5	168.1	195.8	120.89
3,252.0	4.70	128.60	3,243.5	-110.5	181.3	212.3	121.37
3,441.0	4.50	113.60	3,431.9	-118.3	194.1	227.3	121.36
3,631.0	4.60	121.80	3,621.3	-125.3	207.4	242.3	121.14
3,821.0	4.50	123.50	3,810.7	-133.4	220.1	257.4	121.22
4,011.0	4.10	117.00	4,000.2	-140.6	232.4	271.6	121.18
4,200.0	3.60	117.70	4,188.7	-146.5	243.7	284.3	121.01



Microsoft
MWD Report



Company: Mewbourne Oil Company
Project: Eddy County, N.M. N4d (83)
Site: Section 32/29-23S-27E Viper 32 29 W2PI Fed Co
Well: Viper 32/29 W2PI Fed Com 1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference
TVD Reference
MD Reference
North Reference
Survey Calculation Method
Database

Well Viper 32/29 W2PI Fed Com 1H
3229 +28 @ 3257.0usft (Patterson 217)
3229 +28 @ 3257.0usft (Patterson 217)
Grid
Minimum Curvature
EDM5000

Survey:

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
4,390.0	2.70	118.00	4,378.5	-151.3	252.9	294.7	120.90
4,580.0	3.80	115.60	4,568.1	-156.1	262.5	305.4	120.74
4,770.0	4.40	117.90	4,757.7	-162.3	274.6	319.0	120.58
4,959.0	4.30	119.90	4,946.1	-169.2	287.2	333.3	120.51
5,149.0	3.80	119.50	5,135.6	-175.9	298.8	346.7	120.47
5,338.0	3.90	121.30	5,324.2	-182.3	309.8	359.4	120.47
5,528.0	4.10	117.60	5,513.7	-188.8	321.3	372.7	120.43
5,717.0	4.40	122.40	5,702.2	-195.8	333.4	386.7	120.42
5,907.0	3.20	132.10	5,891.8	-203.3	343.5	399.2	120.61
6,097.0	3.30	121.10	6,081.5	-209.6	352.1	409.8	120.77
6,286.0	4.00	116.70	6,270.1	-215.4	362.7	421.8	120.71
6,476.0	5.30	123.50	6,459.5	-223.2	375.9	437.2	120.70
6,665.0	5.70	127.30	6,647.6	-233.7	390.7	455.3	120.89
6,854.0	4.00	124.90	6,835.9	-243.2	403.5	471.2	121.08
7,044.0	2.70	117.90	7,025.6	-249.1	412.9	482.2	121.10
7,233.0	4.00	125.10	7,214.3	-255.0	422.3	493.3	121.12
7,423.0	3.70	111.70	7,403.9	-261.0	433.4	505.9	121.06
7,613.0	2.50	121.90	7,593.6	-265.5	442.6	516.1	120.96
7,803.0	3.80	123.80	7,783.3	-271.2	451.3	526.6	121.00
7,993.0	2.80	108.10	7,973.0	-276.1	461.0	537.4	120.92
8,182.0	4.70	122.80	8,161.6	-281.8	471.9	549.6	120.84
8,372.0	3.70	129.30	8,351.1	-289.9	483.2	563.5	120.96
8,561.0	3.10	127.80	8,539.7	-296.9	491.9	574.6	121.11
8,751.0	2.70	124.30	8,729.5	-302.5	499.7	584.1	121.19
8,940.0	3.50	113.90	8,918.2	-307.4	508.6	594.3	121.14
9,129.0	2.20	119.80	9,107.0	-311.5	517.1	603.7	121.07



Microsoft
MWD Report



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Site:	Section 32/29-23S-27E Viper 32 29 W2PI Fed Co	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							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	Closure Distance (usft)	Closure Azimuth (°)
9,223.1	2.14	125.97	9,201.0	-313.4	520.1	607.2	121.08
B.B. Viper 32/29 W2PI Fed Com 1H							
9,318.0	2.10	132.50	9,295.8	-315.7	522.8	610.7	121.12
9,407.0	2.40	58.70	9,384.8	-315.8	525.6	613.1	121.00
9,438.0	6.20	29.20	9,415.7	-314.0	526.9	613.4	120.79
9,469.0	10.60	21.10	9,446.3	-309.9	528.8	612.9	120.37
9,501.0	14.10	15.30	9,477.6	-303.4	530.9	611.4	119.75
9,532.0	17.20	13.00	9,507.5	-295.2	532.9	609.2	118.99
9,564.0	20.60	12.40	9,537.7	-285.1	535.2	606.4	118.05
9,595.0	24.20	11.10	9,566.4	-273.6	537.6	603.2	116.97
9,627.0	27.20	8.80	9,595.2	-259.9	539.9	599.2	115.70
9,658.0	29.80	6.50	9,622.5	-245.2	541.9	594.8	114.35
9,690.0	32.40	5.00	9,649.9	-228.8	543.5	589.7	112.83
9,721.0	34.90	4.00	9,675.7	-211.7	544.9	584.6	111.23
9,753.0	36.80	3.70	9,701.6	-193.0	546.1	579.2	109.46
9,784.0	39.40	3.10	9,726.0	-173.9	547.3	574.2	107.63
9,816.0	42.20	1.90	9,750.2	-153.0	548.2	569.1	105.59
9,847.0	44.70	359.60	9,772.7	-131.7	548.5	564.0	103.50
9,879.0	46.50	359.20	9,795.1	-108.8	548.2	558.9	101.23
9,911.0	48.80	359.80	9,816.7	-85.2	548.0	554.6	98.83
9,942.0	51.50	0.60	9,836.5	-61.4	548.1	551.5	96.39
9,974.0	54.00	1.10	9,855.9	-35.9	548.5	549.7	93.75
10,005.0	56.40	1.60	9,873.6	-10.5	549.1	549.2	91.09
10,037.0	58.90	2.00	9,890.7	16.6	549.9	550.2	88.28
10,068.0	61.30	1.80	9,906.2	43.4	550.8	552.5	85.49
10,100.0	63.60	1.60	9,921.0	71.8	551.7	556.3	82.59
10,131.0	66.10	1.40	9,934.1	99.8	552.4	561.3	79.76



Microsoft
MWD Report



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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 Co	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							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
10,162.0	68.60	1.50	9,946.1	128.4	553.1	567.8	76.93
10,194.0	71.40	1.20	9,957.0	158.5	553.8	576.1	74.03
10,224.0	74.30	0.10	9,965.9	187.1	554.1	584.9	71.34
10,282.0	76.90	0.30	9,980.3	243.3	554.3	605.4	66.30
10,314.0	77.60	0.30	9,987.3	274.5	554.5	618.7	63.66
10,345.0	79.10	0.30	9,993.6	304.9	554.7	632.9	61.20
10,373.0	78.30	0.70	9,999.1	332.3	554.9	646.8	59.08
10,404.0	81.40	0.40	10,004.5	362.8	555.2	663.2	56.83
10,425.0	87.60	1.40	10,006.6	383.7	555.5	675.2	55.37
10,470.0	98.00	4.10	10,004.4	428.6	557.7	703.3	52.46
10,504.0	95.70	4.40	10,000.3	462.2	560.2	726.3	50.47
10,536.0	93.10	4.10	9,997.9	494.0	562.5	748.7	48.71
10,567.0	89.60	4.00	9,997.1	524.9	564.7	771.0	47.09
10,599.0	88.80	3.90	9,997.6	556.9	566.9	794.7	45.51
10,630.0	88.70	2.90	9,998.2	587.8	568.8	817.9	44.06
10,693.0	91.40	1.80	9,998.2	650.7	571.4	866.0	41.28
10,788.0	91.50	1.60	9,995.8	745.7	574.2	941.1	37.60
10,883.0	90.00	1.30	9,994.5	840.6	576.6	1,019.4	34.45
10,977.0	87.10	0.90	9,996.9	934.6	578.4	1,099.1	31.75
11,071.0	91.90	1.70	9,997.7	1,028.5	580.5	1,181.0	29.44
11,166.0	91.30	2.30	9,995.1	1,123.4	583.8	1,266.1	27.46
11,261.0	94.00	3.10	9,990.7	1,218.2	588.3	1,352.8	25.78
11,355.0	89.20	1.60	9,988.1	1,312.1	592.1	1,439.5	24.29
11,449.0	87.30	0.20	9,990.9	1,406.0	593.6	1,526.2	22.89
11,544.0	88.20	2.00	9,994.7	1,500.9	595.4	1,614.7	21.64
11,639.0	89.80	2.90	9,996.3	1,595.8	599.5	1,704.7	20.59
11,733.0	87.30	359.90	9,998.7	1,689.7	601.8	1,793.7	19.60



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MWD Report



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Site:	Section 32/29-23S-27E Viper 32 29 W2PI Fed Co	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

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
11,828.0	88.30	1.00	10,002.4	1,784.6	602.5	1,883.6	18.66
11,923.0	87.50	1.00	10,005.8	1,879.6	604.2	1,974.3	17.82
12,018.0	90.20	358.70	10,007.7	1,974.5	604.0	2,064.8	17.01
12,113.0	94.90	3.00	10,003.5	2,069.4	605.4	2,156.1	16.31
12,207.0	90.30	359.40	9,999.3	2,163.2	607.3	2,246.9	15.68
12,302.0	88.80	359.30	10,000.0	2,258.2	606.2	2,338.2	15.03
12,397.0	87.80	0.10	10,002.8	2,353.2	605.7	2,429.9	14.44
12,491.0	90.70	2.30	10,004.0	2,447.1	607.7	2,521.4	13.95
12,585.0	85.70	357.00	10,007.0	2,541.0	607.1	2,612.5	13.44
12,685.0	85.40	357.50	10,014.8	2,640.6	602.4	2,708.4	12.85
12,780.0	88.60	358.70	10,019.7	2,735.4	599.2	2,800.3	12.36
12,874.0	91.90	0.10	10,019.3	2,829.4	598.2	2,891.9	11.94
12,968.0	91.00	0.30	10,016.9	2,923.3	598.6	2,984.0	11.57
13,062.0	87.20	357.00	10,018.4	3,017.3	596.3	3,075.6	11.18
13,157.0	93.00	359.40	10,018.3	3,112.2	593.4	3,168.2	10.79
13,252.0	93.40	0.10	10,012.9	3,207.0	593.0	3,261.4	10.48
13,347.0	87.40	358.70	10,012.3	3,302.0	592.0	3,354.6	10.16
13,442.0	89.30	1.00	10,015.0	3,396.9	591.7	3,448.1	9.88
13,536.0	89.20	1.50	10,016.3	3,490.9	593.8	3,541.0	9.65
13,631.0	90.50	3.80	10,016.5	3,585.8	598.2	3,635.3	9.47
13,726.0	87.30	357.30	10,018.3	3,680.7	599.1	3,729.1	9.24
13,821.0	87.70	357.70	10,022.5	3,775.5	594.9	3,822.1	8.95
13,915.0	90.70	358.80	10,023.8	3,869.5	592.1	3,914.5	8.70
14,010.0	91.40	358.50	10,022.0	3,964.4	589.8	4,008.0	8.46
14,105.0	89.80	354.80	10,021.0	4,059.2	584.3	4,101.1	8.19
14,200.0	93.10	356.00	10,018.6	4,153.9	576.7	4,193.7	7.90
14,295.0	94.20	0.20	10,012.6	4,248.6	573.5	4,287.1	7.69



Microsoft
MWD 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 Co	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:								
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
14,389.0	93.30	2.20	10,006.4	4,342.4	575.5	4,380.3	7.55	
14,484.0	91.00	2.40	10,002.9	4,437.2	579.3	4,474.9	7.44	
14,579.0	90.30	2.10	10,001.8	4,532.1	583.0	4,569.5	7.33	
14,674.0	89.60	4.00	10,001.9	4,627.0	588.1	4,664.2	7.24	
14,769.0	89.10	3.50	10,003.0	4,721.8	594.3	4,759.0	7.17	
14,864.0	88.30	2.90	10,005.1	4,816.6	599.6	4,853.8	7.10	
14,958.0	87.50	3.50	10,008.6	4,910.4	604.8	4,947.5	7.02	
15,053.0	90.00	2.20	10,010.6	5,005.3	609.5	5,042.2	6.94	
15,148.0	90.20	0.70	10,010.5	5,100.2	611.9	5,136.8	6.84	
15,243.0	90.70	0.90	10,009.7	5,195.2	613.3	5,231.3	6.73	
15,307.0	90.80	1.30	10,008.9	5,259.2	614.5	5,295.0	6.66	
15,349.0	91.30	2.00	10,008.1	5,301.2	615.7	5,336.8	6.63	
15,444.0	87.10	3.00	10,009.4	5,396.1	619.9	5,431.5	6.55	
15,538.0	89.80	4.70	10,012.0	5,489.8	626.2	5,525.4	6.51	
15,633.0	88.70	3.90	10,013.2	5,584.5	633.3	5,620.3	6.47	
15,728.0	86.10	1.80	10,017.5	5,679.3	638.0	5,715.0	6.41	
15,823.0	87.10	1.20	10,023.2	5,774.1	640.5	5,809.5	6.33	
15,918.0	88.80	0.20	10,026.6	5,869.0	641.6	5,904.0	6.24	
16,012.0	91.80	0.70	10,026.1	5,963.0	642.4	5,997.5	6.15	
16,107.0	91.00	0.70	10,023.8	6,058.0	643.5	6,092.0	6.06	
16,201.0	93.40	2.10	10,020.1	6,151.9	645.8	6,185.7	5.99	
16,296.0	92.00	2.10	10,015.7	6,246.7	649.3	6,280.3	5.93	
16,391.0	91.40	2.40	10,012.9	6,341.6	653.0	6,375.1	5.88	
16,485.0	88.90	2.30	10,012.6	6,435.5	656.9	6,468.9	5.83	
16,580.0	86.90	3.70	10,016.1	6,530.3	661.9	6,563.7	5.79	
16,675.0	94.80	5.80	10,014.7	6,624.9	669.7	6,658.6	5.77	
16,770.0	92.10	7.00	10,009.0	6,719.1	680.3	6,753.4	5.78	



Microsoft
MWD Report



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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 Co	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								
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
16,864.0	92.00	5.90	10,005.6	6,812.4	690.8	6,847.4	5.79	
16,959.0	87.00	3.30	10,006.4	6,907.1	698.5	6,942.3	5.77	
17,053.0	92.80	7.10	10,006.6	7,000.6	707.0	7,036.2	5.77	
17,147.0	88.00	6.00	10,005.9	7,094.0	717.7	7,130.2	5.78	
17,235.0	89.10	6.90	10,008.2	7,181.4	727.6	7,218.2	5.79	
17,285.0	89.10	6.90	10,009.0	7,231.0	733.6	7,268.2	5.79	
17285.0' MD Projected to Bit - PBHL Viper 32/29 W2PI Fed Com #1H								

Survey 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



COMPANY: Mewbourne Oil Company
WELL: Viper 32/29 W2PI Fed Com 1H
COUNTY: Eddy County, N.M. Nad (83)
DATUM: North American Datum 1983



OFFICE: 936.582.7296

GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.99°

GEODETIC ZONE: New Mexico Eastern Zone										
3229 +26 @ 3257.0usft (Patterson 217)										
GROUND ELEVATION: 3229.0										
	+N-S	+E-W	Northing	Easting	Latitude	Longitude	Slot			
	0.0	0.0	456456.50	580339.80	32° 15' 17.320 N	104° 12' 25.792 W				
PLAN SECTIONS										
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSEct	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.0	
3	787.1	4.31	121.47	786.8	-5.6	9.2	1.50	121.47	-4.7	
4	8936.5	4.31	121.47	8913.2	-325.1	531.1	0.00	0.00	-274.1	
5	9223.5	0.00	0.00	9200.0	-330.7	540.3	1.50	180.00	-278.9	B.B. Viper 32/29 W2PI Fed Com 1H
6	9420.6	0.00	0.00	9397.1	-330.7	540.3	0.00	0.00	-278.9	
7	10320.6	90.00	1.04	9970.0	242.2	550.8	10.00	1.04	292.5	
8	17320.1	90.00	1.04	9970.0	7240.5	678.2	0.00	0.00	7272.2	PBHL Viper 32/29 W2PI Fed Com #1H

SHL: 345' FSL: 990' FEL
Section 32-23S-27E
PBHL: 2310' FSL: 440' FEL
Section 29-23S-27E

