



Matador
RESOURCES COMPANY

HOBBS OCD

JUL 31 2019

RECEIVED

Airstrip 31-18S-35E RN State Com No. 114H

Lea County, NM

30-025-45 436

April 05, 2019

Job No. LNM5200719

Certified Report

ORIGINAL



Survey to Depth of 14,243'

April 05, 2019



Operator Name: Matador Resources
Well Name: Airstrip 31-18S-35E RN State Com No. 114H
County/Parish: Lea County,
State: NM
Rig Name: Patterson 809
Job Number: LNM5200719

This is to certify the surveys performed on the referenced well by Professional Directional Ent., Inc. are true and correct MWD Surveys, data provided as follows:

<u>Surveyor</u>	<u>Surveyed Depths</u>	<u>Projection to Bit</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
ProDirectional	141' MD – 14,243' MD	14,300' MD	02/20/19 – 03/11/19	MWD-OWSG

Sincerely,

Mike Coats

Mike Coats
Regulatory Specialist
Professional Directional

850 Conroe Park West Drive | Conroe, TX 77303 | Phone: 936.441.7266

prodirectional.com



Matador Resources

Lea County, NM

Airstrip 31-18S-35E RN State Com

No. 114H

OH

Survey: ProDirectional

Survey Report

04 April, 2019





ProDirectional Survey Report



Company: Matador Resources
Project: Lea County, NM (NAD83)
Site: Airstrip 31-18S-35E RN State Com
Well: No. 114H
Wellbore: OH
Design: MWD-141'-14243', PTB: 14300'

Local Co-ordinate Reference: Well No. 114H
TVD Reference: Well @ 3959.50usft
MD Reference: Well @ 3959.50usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Project	Lea County, NM (NAD83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Airstrip 31-18S-35E RN State Com		
Site Position:	Northing:	618,487.00 usft	Latitude: 32.697466
From: Map	Easting:	799,025.00 usft	Longitude: -103.495661
Position Uncertainty: 0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.45 °

Well	No. 114H		
Well Position	+N/-S	0.00 usft	Northing: 618,610.00 usft
	+E/-W	0.00 usft	Easting: 800,456.00 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
			Latitude: 32.697773
			Longitude: -103.491006
			Ground Level: 3,931.00 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	HDGM	3/1/2019	(°) 6.52
			Dip Angle (°) 60.63
			Field Strength (nT) 48,093.50

Design	MWD-141'-14243', PTB: 14300'		
Audit Notes:			
Version: 1.0	Phase:	ACTUAL	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°) 359.46

Survey Program	Date 4/4/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
141.00	14,300.00	Survey #1 (OH)	MWD+HDGM
			Description
			OWSG MWD + HRGM



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0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	618,610.00	800,456.00
141.00	0.80	252.20	141.00	-0.29	-0.30	-0.94	0.98	252.20	618,609.70	800,455.06
Pro MWD First Survey: 141' MD										
233.00	0.80	252.20	232.99	-0.67	-0.69	-2.16	2.27	252.20	618,609.31	800,453.84
325.00	0.20	96.40	324.98	-0.88	-0.91	-2.61	2.77	250.84	618,609.09	800,453.39
416.00	1.00	61.30	415.98	-0.53	-0.54	-1.76	1.84	252.80	618,609.46	800,454.24
497.00	0.80	67.20	496.97	0.02	0.01	-0.62	0.62	271.34	618,610.01	800,455.38
588.00	0.80	68.20	587.96	0.49	0.50	0.56	0.75	48.39	618,610.50	800,456.56
676.00	1.00	55.80	675.95	1.14	1.16	1.76	2.11	56.76	618,611.16	800,457.76
772.00	1.70	79.20	771.92	1.86	1.89	3.86	4.30	63.84	618,611.89	800,459.86
862.00	2.20	76.40	861.87	2.49	2.55	6.85	7.31	69.57	618,612.55	800,462.85
953.00	2.00	79.50	952.81	3.16	3.25	10.11	10.62	72.17	618,613.25	800,466.11
1,047.00	1.90	75.60	1,046.75	3.81	3.94	13.23	13.80	73.43	618,613.94	800,469.23
1,140.00	1.90	87.40	1,139.70	4.24	4.39	16.26	16.84	74.89	618,614.39	800,472.26
1,233.00	2.10	94.10	1,232.65	4.15	4.34	19.50	19.98	77.46	618,614.34	800,475.50
1,327.00	2.20	97.70	1,326.58	3.76	3.97	23.01	23.35	80.20	618,613.97	800,479.01
1,420.00	1.70	99.70	1,419.53	3.26	3.50	26.14	26.37	82.37	618,613.50	800,482.14
1,514.00	1.80	102.10	1,513.48	2.68	2.96	28.95	29.10	84.17	618,612.96	800,484.95
1,608.00	1.50	109.90	1,607.44	1.93	2.23	31.55	31.63	85.96	618,612.23	800,487.55
1,701.00	1.10	112.00	1,700.42	1.16	1.48	33.53	33.56	87.47	618,611.48	800,489.53
1,794.00	1.10	125.30	1,793.40	0.30	0.63	35.08	35.09	88.97	618,610.63	800,491.08
1,826.00	1.10	113.50	1,825.40	-0.01	0.33	35.61	35.62	89.47	618,610.33	800,491.61
1,985.00	0.80	114.60	1,984.37	-1.10	-0.74	38.02	38.03	91.12	618,609.26	800,494.02
2,079.00	1.90	107.50	2,078.35	-1.86	-1.48	40.11	40.13	92.12	618,608.52	800,496.11
2,172.00	3.00	106.20	2,171.26	-3.04	-2.62	43.91	43.99	93.42	618,607.38	800,499.91
2,265.00	4.00	111.80	2,264.09	-4.97	-4.51	49.26	49.47	95.23	618,605.49	800,505.26
2,359.00	5.40	113.20	2,357.77	-8.00	-7.47	56.37	56.86	97.55	618,602.53	800,512.37



ProDirectional Survey Report



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Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
2,453.00	5.40	111.80	2,451.35	-11.46	-10.85	64.54	65.45	99.55	618,599.15	800,520.54
2,546.00	5.50	108.50	2,543.93	-14.58	-13.89	72.83	74.15	100.80	618,596.11	800,528.83
2,640.00	6.20	115.90	2,637.44	-18.31	-17.54	81.67	83.53	102.12	618,592.46	800,537.67
2,733.00	7.30	121.80	2,729.80	-23.71	-22.85	91.21	94.03	104.06	618,587.15	800,547.21
2,827.00	7.30	120.80	2,823.04	-30.01	-29.05	101.42	105.50	105.98	618,580.95	800,557.42
2,920.00	7.70	128.30	2,915.24	-36.99	-35.94	111.38	117.04	107.88	618,574.06	800,567.38
3,014.00	8.30	135.00	3,008.33	-45.78	-44.64	121.12	129.09	110.23	618,565.36	800,577.12
3,107.00	6.90	136.10	3,100.51	-54.63	-53.41	129.74	140.31	112.38	618,556.59	800,585.74
3,201.00	5.90	136.30	3,193.92	-62.26	-60.97	137.00	149.95	113.99	618,549.03	800,593.00
3,294.00	5.90	136.00	3,286.43	-69.22	-67.87	143.62	158.85	115.29	618,542.13	800,599.62
3,388.00	5.60	132.90	3,379.96	-75.88	-74.46	150.33	167.77	116.35	618,535.54	800,606.33
3,481.00	5.40	131.40	3,472.53	-81.92	-80.45	156.94	176.36	117.14	618,529.55	800,612.94
3,575.00	5.20	132.90	3,566.13	-87.81	-86.27	163.38	184.76	117.84	618,523.73	800,619.38
3,668.00	4.90	131.60	3,658.77	-93.37	-91.78	169.44	192.70	118.44	618,518.22	800,625.44
3,762.00	4.60	131.70	3,752.44	-98.60	-96.95	175.25	200.28	118.95	618,513.05	800,631.25
3,855.00	4.40	129.60	3,845.16	-103.41	-101.71	180.79	207.43	119.36	618,508.29	800,636.79
3,955.00	4.20	128.10	3,944.87	-108.16	-106.41	186.62	214.83	119.69	618,503.59	800,642.62
4,048.00	4.20	128.20	4,037.62	-112.42	-110.62	191.98	221.57	119.95	618,499.38	800,647.98
4,142.00	4.10	131.00	4,131.38	-116.80	-114.95	197.22	228.28	120.24	618,495.05	800,653.22
4,235.00	3.80	128.70	4,224.16	-120.96	-119.06	202.14	234.59	120.50	618,490.94	800,658.14
4,329.00	3.70	125.00	4,317.96	-124.69	-122.75	207.05	240.70	120.66	618,487.25	800,663.05
4,422.00	3.50	127.20	4,410.77	-128.17	-126.18	211.77	246.51	120.79	618,483.82	800,667.77
4,516.00	3.30	128.30	4,504.61	-131.63	-129.60	216.18	252.05	120.94	618,480.40	800,672.18
4,609.00	3.00	125.70	4,597.47	-134.74	-132.67	220.26	257.13	121.06	618,477.33	800,676.26
4,703.00	3.00	120.80	4,691.34	-137.48	-135.37	224.37	262.04	121.10	618,474.63	800,680.37
4,796.00	5.40	115.60	4,784.08	-140.67	-138.51	230.40	268.83	121.01	618,471.49	800,686.40
4,890.00	5.70	112.30	4,877.64	-144.43	-142.19	238.71	277.85	120.78	618,467.81	800,694.71



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4,983.00	5.40	110.20	4,970.21	-147.78	-145.45	247.09	286.72	120.48	618,464.55	800,703.09
5,076.00	6.30	133.10	5,062.73	-152.85	-150.45	254.93	296.01	120.55	618,459.55	800,710.93
5,169.00	6.30	135.80	5,155.17	-160.06	-157.60	262.21	305.92	121.01	618,452.40	800,718.21
5,263.00	5.90	136.00	5,248.64	-167.30	-164.77	269.16	315.59	121.47	618,445.23	800,725.16
5,356.00	5.80	135.30	5,341.15	-174.14	-171.55	275.79	324.79	121.88	618,438.45	800,731.79
5,449.00	5.80	135.00	5,433.68	-180.86	-178.21	282.41	333.94	122.25	618,431.79	800,738.41
5,543.00	5.60	136.50	5,527.21	-187.61	-184.90	288.93	343.03	122.62	618,425.10	800,744.93
5,636.00	5.60	137.40	5,619.77	-194.30	-191.53	295.12	351.83	122.98	618,418.47	800,751.12
5,729.00	5.70	137.20	5,712.32	-201.09	-198.26	301.33	360.70	123.34	618,411.74	800,757.33
5,823.00	5.80	138.70	5,805.84	-208.14	-205.25	307.64	369.82	123.71	618,404.75	800,763.64
5,916.00	5.80	137.20	5,898.37	-215.18	-212.23	313.93	378.94	124.06	618,397.77	800,769.93
6,009.00	5.80	137.90	5,990.89	-222.17	-219.16	320.28	388.08	124.38	618,390.84	800,776.28
6,102.00	6.00	138.10	6,083.40	-229.34	-226.27	326.67	397.38	124.71	618,383.73	800,782.67
6,196.00	5.90	138.50	6,176.89	-236.67	-233.54	333.16	406.86	125.03	618,376.46	800,789.16
6,289.00	4.70	125.10	6,269.50	-242.50	-239.31	339.44	415.32	125.18	618,370.69	800,795.44
6,382.00	4.40	117.20	6,362.21	-246.38	-243.13	345.73	422.66	125.12	618,366.87	800,801.73
6,475.00	4.40	116.90	6,454.93	-249.69	-246.38	352.09	429.73	124.98	618,363.62	800,808.09
6,569.00	4.10	113.90	6,548.67	-252.74	-249.37	358.37	436.60	124.83	618,360.63	800,814.37
6,662.00	3.30	123.20	6,641.48	-255.60	-252.18	363.65	442.54	124.74	618,357.82	800,819.65
6,756.00	2.90	125.70	6,735.34	-258.51	-255.05	367.85	447.62	124.74	618,354.95	800,823.85
6,849.00	2.50	129.30	6,828.24	-261.20	-257.71	371.33	452.00	124.76	618,352.29	800,827.33
6,942.00	2.20	130.40	6,921.16	-263.67	-260.15	374.26	455.79	124.80	618,349.85	800,830.26
7,036.00	2.20	127.00	7,015.09	-265.95	-262.41	377.07	459.39	124.83	618,347.59	800,833.07
7,130.00	1.90	125.40	7,109.03	-267.96	-264.40	379.78	462.75	124.84	618,345.60	800,835.78
7,223.00	1.50	128.80	7,201.99	-269.64	-266.05	381.99	465.51	124.86	618,343.95	800,837.99
7,317.00	1.30	126.30	7,295.96	-271.06	-267.45	383.81	467.80	124.87	618,342.55	800,839.81
7,410.00	0.90	118.40	7,388.94	-272.05	-268.43	385.30	469.58	124.86	618,341.57	800,841.30



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7,504.00	0.70	98.90	7,482.94	-272.50	-268.87	386.52	470.83	124.82	618,341.13	800,842.52
7,597.00	0.40	86.80	7,575.93	-272.58	-268.94	387.40	471.60	124.77	618,341.06	800,843.40
7,691.00	0.40	46.40	7,669.93	-272.34	-268.69	387.97	471.93	124.71	618,341.31	800,843.97
7,784.00	0.10	336.80	7,762.93	-272.04	-268.39	388.17	471.92	124.66	618,341.61	800,844.17
7,877.00	0.30	303.40	7,855.93	-271.83	-268.18	387.93	471.61	124.66	618,341.82	800,843.93
7,970.00	0.50	317.90	7,948.92	-271.39	-267.75	387.46	470.97	124.65	618,342.25	800,843.46
8,064.00	0.80	309.80	8,042.92	-270.66	-267.02	386.68	469.92	124.63	618,342.98	800,842.68
8,157.00	0.90	328.30	8,135.91	-269.61	-265.99	385.80	468.60	124.58	618,344.01	800,841.80
8,250.00	1.20	313.90	8,228.89	-268.31	-264.69	384.71	466.97	124.53	618,345.31	800,840.71
8,344.00	1.40	313.90	8,322.87	-266.81	-263.21	383.18	464.87	124.49	618,346.79	800,839.18
8,437.00	1.40	308.10	8,415.84	-265.31	-261.72	381.46	462.62	124.45	618,348.28	800,837.46
8,530.00	1.30	304.90	8,508.82	-263.99	-260.42	379.70	460.43	124.44	618,349.58	800,835.70
8,623.00	1.60	302.90	8,601.79	-262.66	-259.11	377.75	458.07	124.45	618,350.89	800,833.75
8,717.00	1.50	303.00	8,695.75	-261.26	-257.73	375.61	455.53	124.46	618,352.27	800,831.61
8,861.00	2.20	323.30	8,839.68	-257.98	-254.48	372.38	451.03	124.35	618,355.52	800,828.38
8,908.00	8.30	346.10	8,886.46	-253.95	-250.46	371.03	447.65	124.02	618,359.54	800,827.03
8,954.00	14.10	350.60	8,931.57	-245.18	-241.71	369.31	441.38	123.20	618,368.29	800,825.31
9,001.00	19.30	355.00	8,976.57	-231.77	-228.31	367.70	432.81	121.84	618,381.69	800,823.70
9,048.00	24.30	0.20	9,020.20	-214.34	-210.89	367.06	423.33	119.88	618,399.11	800,823.06
9,095.00	28.80	4.90	9,062.24	-193.39	-189.93	368.06	414.17	117.29	618,420.07	800,824.06
9,141.00	33.30	4.70	9,101.64	-169.77	-166.29	370.04	405.69	114.20	618,443.71	800,826.04
9,188.00	39.70	3.50	9,139.40	-141.92	-138.42	372.01	396.93	110.41	618,471.58	800,828.01
9,235.00	44.70	4.00	9,174.20	-110.45	-106.93	374.09	389.07	105.95	618,503.07	800,830.09
9,282.00	50.10	5.60	9,206.01	-76.02	-72.47	377.00	383.90	100.88	618,537.53	800,833.00
9,328.00	55.20	6.20	9,233.91	-39.69	-36.11	380.76	382.47	95.42	618,573.89	800,836.76
9,375.00	60.70	7.10	9,258.84	-0.19	3.45	385.38	385.40	89.49	618,613.45	800,841.38
9,422.00	63.80	7.60	9,280.72	41.01	44.69	390.71	393.26	83.47	618,654.69	800,846.71



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MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
9,515.00	66.90	7.90	9,319.50	124.64	128.44	402.11	422.12	72.29	618,738.44	800,858.11
9,608.00	70.90	7.50	9,352.97	210.49	214.40	413.73	465.98	62.61	618,824.40	800,869.73
9,701.00	79.10	4.70	9,377.03	299.64	303.64	423.22	520.88	54.34	618,913.64	800,879.22
9,794.00	88.80	3.60	9,386.82	391.70	395.77	429.90	584.33	47.37	619,005.77	800,885.90
9,889.00	89.20	4.00	9,388.48	486.41	490.55	436.19	656.43	41.64	619,100.55	800,892.19
9,983.00	89.80	4.10	9,389.30	580.11	584.31	442.83	733.15	37.16	619,194.31	800,898.83
10,076.00	90.20	3.80	9,389.30	672.82	677.09	449.24	812.56	33.56	619,287.09	800,905.24
10,169.00	88.60	2.70	9,390.27	765.61	769.93	454.51	894.07	30.55	619,379.93	800,910.51
10,263.00	89.00	3.10	9,392.24	859.42	863.79	459.26	978.29	28.00	619,473.79	800,915.26
10,356.00	87.90	0.20	9,394.76	952.31	956.70	461.94	1,062.39	25.77	619,566.70	800,917.94
10,449.00	88.40	359.70	9,397.76	1,045.25	1,049.65	461.86	1,146.77	23.75	619,659.65	800,917.86
10,542.00	89.20	358.90	9,399.71	1,138.23	1,142.62	460.72	1,232.01	21.96	619,752.62	800,916.72
10,636.00	89.80	358.60	9,400.53	1,232.22	1,236.60	458.67	1,318.92	20.35	619,846.60	800,914.67
10,729.00	90.10	358.50	9,400.61	1,325.21	1,329.57	456.32	1,405.69	18.94	619,939.57	800,912.32
10,822.00	90.20	358.20	9,400.36	1,418.19	1,422.53	453.64	1,493.11	17.69	620,032.53	800,909.64
10,916.00	90.90	358.10	9,399.46	1,512.16	1,516.47	450.61	1,582.01	16.55	620,126.47	800,906.61
11,009.00	91.50	358.30	9,397.51	1,605.12	1,609.41	447.69	1,670.51	15.54	620,219.41	800,903.69
11,102.00	91.80	358.10	9,394.84	1,698.06	1,702.32	444.77	1,759.47	14.64	620,312.32	800,900.77
11,196.00	90.80	358.30	9,392.70	1,792.01	1,796.25	441.82	1,849.79	13.82	620,406.25	800,897.82
11,289.00	91.00	0.50	9,391.24	1,884.99	1,889.23	440.84	1,939.98	13.13	620,499.23	800,896.84
11,382.00	91.60	0.60	9,389.13	1,977.95	1,982.20	441.73	2,030.82	12.56	620,592.20	800,897.73
11,476.00	92.30	0.50	9,385.93	2,071.88	2,076.14	442.64	2,122.80	12.04	620,686.14	800,898.64
11,569.00	91.00	1.60	9,383.26	2,164.80	2,169.08	444.34	2,214.13	11.58	620,779.08	800,900.34
11,663.00	91.90	1.90	9,380.88	2,258.69	2,263.01	447.21	2,306.77	11.18	620,873.01	800,903.21
11,757.00	92.50	1.60	9,377.27	2,352.55	2,356.89	450.08	2,399.48	10.81	620,966.89	800,906.08
11,850.00	93.40	1.60	9,372.48	2,445.36	2,449.73	452.67	2,491.21	10.47	621,059.73	800,908.67
11,943.00	91.30	2.50	9,368.67	2,538.18	2,542.59	456.00	2,583.16	10.17	621,152.59	800,912.00



ProDirectional Survey Report



Company: Matador Resources
Project: Lea County, NM (NAD83)
Site: Airstrip 31-18S-35E RN State Com
Well: No. 114H
Wellbore: OH
Design: MWD-141'-14243', PTB: 14300'

Local Co-ordinate Reference: Well No. 114H
TVD Reference: Well @ 3959.50usft
MD Reference: Well @ 3959.50usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
12,037.00	91.80	2.40	9,366.13	2,632.02	2,636.47	460.01	2,676.30	9.90	621,246.47	800,916.01
12,130.00	92.30	2.40	9,362.80	2,724.83	2,729.33	463.90	2,768.47	9.65	621,339.33	800,919.90
12,224.00	90.90	0.80	9,360.18	2,818.73	2,823.25	466.53	2,861.54	9.38	621,433.25	800,922.53
12,317.00	91.00	0.30	9,358.63	2,911.70	2,916.23	467.42	2,953.45	9.11	621,526.23	800,923.42
12,411.00	91.50	0.30	9,356.58	3,005.66	3,010.21	467.91	3,046.36	8.84	621,620.21	800,923.91
12,503.00	91.90	359.90	9,353.85	3,097.62	3,102.17	468.07	3,137.28	8.58	621,712.17	800,924.07
12,597.00	92.80	359.70	9,350.00	3,191.54	3,196.09	467.75	3,230.13	8.33	621,806.09	800,923.75
12,690.00	93.60	359.20	9,344.81	3,284.39	3,288.94	466.85	3,321.91	8.08	621,898.94	800,922.85
12,784.00	94.10	358.90	9,338.50	3,378.18	3,382.71	465.30	3,414.56	7.83	621,992.71	800,921.30
12,877.00	92.80	359.60	9,332.90	3,471.00	3,475.53	464.08	3,506.38	7.61	622,085.53	800,920.08
12,970.00	93.30	359.60	9,327.95	3,563.87	3,568.40	463.44	3,598.37	7.40	622,178.40	800,919.44
13,064.00	93.80	359.50	9,322.13	3,657.69	3,662.21	462.70	3,691.33	7.20	622,272.21	800,918.70
13,157.00	93.90	359.50	9,315.89	3,750.48	3,755.00	461.89	3,783.30	7.01	622,365.00	800,917.89
13,250.00	94.50	359.50	9,309.08	3,843.23	3,847.75	461.08	3,875.27	6.83	622,457.75	800,917.08
13,343.00	93.40	359.60	9,302.67	3,936.01	3,940.52	460.35	3,967.32	6.66	622,550.52	800,916.35
13,437.00	93.80	359.50	9,296.77	4,029.82	4,034.33	459.61	4,060.43	6.50	622,644.33	800,915.61
13,530.00	94.30	358.80	9,290.20	4,122.59	4,127.09	458.24	4,152.45	6.34	622,737.09	800,914.24
13,624.00	92.70	359.30	9,284.46	4,216.41	4,220.90	456.68	4,245.53	6.18	622,830.90	800,912.68
13,717.00	92.90	359.40	9,279.92	4,309.30	4,313.78	455.63	4,337.78	6.03	622,923.78	800,911.63
13,811.00	93.20	358.90	9,274.92	4,403.16	4,407.64	454.24	4,430.98	5.88	623,017.64	800,910.24
13,905.00	94.40	358.30	9,268.69	4,496.94	4,501.40	451.95	4,524.03	5.73	623,111.40	800,907.95
13,998.00	94.80	357.90	9,261.23	4,589.61	4,594.05	448.87	4,615.93	5.58	623,204.05	800,904.87
14,091.00	95.40	357.50	9,252.96	4,682.20	4,686.61	445.16	4,707.70	5.43	623,296.61	800,901.16
14,166.00	96.10	357.10	9,245.45	4,756.77	4,761.15	441.64	4,781.58	5.30	623,371.15	800,897.64
14,243.00	97.00	357.10	9,236.66	4,833.20	4,837.54	437.77	4,857.31	5.17	623,447.54	800,893.77

Last Survey: 14243' MD



ProDirectional Survey Report



Company: Matador Resources
Project: Lea County, NM (NAD83)
Site: Airstrip 31-18S-35E RN State Com
Well: No. 114H
Wellbore: OH
Design: MWD-141'-14243', PTB: 14300'

Local Co-ordinate Reference: Well No. 114H
TVD Reference: Well @ 3959.50usft
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North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
14,300.00	97.00	357.10	9,229.72	4,889.73	4,894.05	434.91	4,913.33	5.08	623,504.05	800,890.91
PTB: 14300' MD										

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
141.00	141.00	-0.30	-0.94	Pro MWD First Survey: 141' MD
14,243.00	9,236.66	4,837.54	437.77	Last Survey: 14243' MD
14,300.00	9,229.72	4,894.05	434.91	PTB: 14300' MD