



HOBBS OCD
SEP 24 2019
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Florence State 23-23S-34E AR No. 134H
Lea County, NM

July 15, 2019

30-015-45865

Job No. LNM5212719

Certified Report

ORIGINAL



ProDIRECTIONAL

Survey Certification Letter

July 15, 2019



Operator Name: Matador Resources
Well Name: Florence State 23-23S-34E AR No. 134H
County/Parish: Lea County,
State: NM
Rig Name: Patterson 810
Job Number: LNM5212719

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	160' MD – 16,282' MD	16,366' MD	06/01/19 – 06/15/19	MWD-OWSG

Sincerely,

Mike Coats
Regulatory Specialist
Professional Directional

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

prodirectional.com

The Standard of Excellence in Directional Supervision



Matador Resources

Lea County, NM (NAD83)

Florence State 23-23S-34E AR

No. 134H

OH

Survey: Survey #1

Survey Report

16 July, 2019





ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 134H
Project:	Lea County, NM (NAD83)	TVD Reference:	Well @ 3410.50usft
Site:	Florence State 23-23S-34E AR	MD Reference:	Well @ 3410.50usft
Well:	No. 134H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD-160'-16282', PTB: 16366'	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	Florence State 23-23S-34E AR		
Site Position:		Northing:	467,999.00 usft
From:	Map	Easting:	818,309.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.283423
		Longitude:	-103.437090
		Grid Convergence:	0.48 °

Well	No. 134H, LNM5212719		
Well Position	+N/-S	0.00 usft	Northing: 467,999.00 usft
	+E/-W	0.00 usft	Easting: 818,309.00 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32.283423
		Longitude:	-103.437090
		Ground Level:	3,382.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	6/12/2019	6.65	60.00	47,965.10

Design	MWD-160'-16282', PTB: 16366'			
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	359.49

Survey Program	Date 7/16/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
160.00	16,366.00	Survey #1 (OH)	MWD+HDGM	OWSG MWD + HRGM



ProDirectional Survey Report



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Site: Florence State 23-23S-34E AR
Well: No. 134H
Wellbore: OH
Design: MWD-160'-16282', PTB: 16366'

Local Co-ordinate Reference: Well No. 134H
TVD Reference: Well @ 3410.50usft
MD Reference: Well @ 3410.50usft
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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	467,999.00	818,309.00
160.00	0.30	67.70	160.00	0.16	0.16	0.39	0.42	67.70	467,999.16	818,309.39
Pro MWD First Survey: 160' MD										
255.00	0.70	37.40	255.00	0.71	0.71	0.97	1.20	53.63	467,999.71	818,309.97
346.00	1.20	25.10	345.98	2.00	2.02	1.71	2.65	40.30	468,001.02	818,310.71
439.00	1.70	33.70	438.95	4.02	4.05	2.89	4.97	35.53	468,003.05	818,311.89
531.00	1.90	42.90	530.91	6.26	6.30	4.69	7.85	36.64	468,005.30	818,313.69
626.00	1.90	53.50	625.86	8.33	8.39	7.02	10.94	39.93	468,007.39	818,316.02
721.00	1.90	62.70	720.80	9.96	10.05	9.69	13.96	43.95	468,009.05	818,318.69
816.00	1.80	65.50	815.75	11.28	11.39	12.45	16.87	47.53	468,010.39	818,321.45
861.00	2.10	66.30	860.73	11.89	12.02	13.84	18.33	49.04	468,011.02	818,322.84
1,000.00	2.60	70.40	999.61	13.93	14.10	19.15	23.78	53.64	468,013.10	818,328.15
1,095.00	2.40	72.50	1,094.52	15.21	15.42	23.07	27.75	56.25	468,014.42	818,332.07
1,191.00	0.80	49.50	1,190.48	16.23	16.46	25.50	30.35	57.16	468,015.46	818,334.50
1,286.00	0.70	12.20	1,285.47	17.22	17.46	26.13	31.42	56.25	468,016.46	818,335.13
1,381.00	0.80	28.60	1,380.46	18.37	18.61	26.57	32.43	55.00	468,017.61	818,335.57
1,476.00	1.00	268.40	1,475.46	18.93	19.16	26.06	32.34	53.67	468,018.16	818,335.06
1,571.00	1.50	262.50	1,570.44	18.76	18.98	23.99	30.59	51.66	468,017.98	818,332.99
1,666.00	1.30	271.40	1,665.41	18.65	18.84	21.68	28.73	49.01	468,017.84	818,330.68
1,761.00	1.10	268.60	1,760.39	18.67	18.85	19.70	27.26	46.26	468,017.85	818,328.70
1,856.00	0.80	266.90	1,855.37	18.63	18.79	18.12	26.10	43.96	468,017.79	818,327.12
1,950.00	0.60	279.90	1,949.37	18.69	18.84	16.98	25.36	42.03	468,017.84	818,325.98
2,045.00	0.50	256.40	2,044.36	18.68	18.83	16.09	24.76	40.52	468,017.83	818,325.09
2,140.00	0.30	256.00	2,139.36	18.53	18.67	15.44	24.23	39.60	468,017.67	818,324.44
2,235.00	0.00	267.30	2,234.36	18.47	18.61	15.20	24.03	39.25	468,017.61	818,324.20
2,330.00	0.30	38.70	2,329.36	18.67	18.80	15.36	24.28	39.24	468,017.80	818,324.36
2,425.00	0.50	51.20	2,424.36	19.11	19.26	15.84	24.93	39.44	468,018.26	818,324.84



ProDirectional
Survey Report



Company: Matador Resources
Project: Lea County, NM (NAD83)
Site: Florence State 23-23S-34E AR
Well: No. 134H
Wellbore: OH
Design: MWD-160'-16282', PTB: 16366'

Local Co-ordinate Reference: Well No. 134H
TVD Reference: Well @ 3410.50usft
MD Reference: Well @ 3410.50usft
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)
2,521.00	1.50	102.80	2,520.34	19.08	19.24	17.39	25.93	42.11	468,018.24	818,326.39
2,616.00	4.00	104.90	2,615.23	17.92	18.11	21.80	28.35	50.28	468,017.11	818,330.80
2,711.00	6.30	106.10	2,709.84	15.55	15.81	30.02	33.93	62.22	468,014.81	818,339.02
2,806.00	7.10	107.90	2,804.19	12.20	12.56	40.61	42.51	72.81	468,011.56	818,349.61
2,902.00	7.20	106.30	2,899.44	8.59	9.05	52.03	52.81	80.13	468,008.05	818,361.03
2,997.00	7.40	105.30	2,993.67	5.20	5.77	63.65	63.91	84.82	468,004.77	818,372.65
3,092.00	7.60	100.70	3,087.86	2.31	2.99	75.72	75.78	87.74	468,001.99	818,384.72
3,187.00	6.70	104.30	3,182.12	-0.33	0.45	87.26	87.26	89.70	467,999.45	818,396.26
3,283.00	6.00	114.40	3,277.53	-3.87	-3.00	97.26	97.31	91.77	467,996.00	818,406.26
3,377.00	6.70	106.50	3,370.96	-7.54	-6.59	106.99	107.19	93.53	467,992.41	818,415.99
3,472.00	5.90	96.20	3,465.39	-9.74	-8.69	117.16	117.48	94.24	467,990.31	818,426.16
3,567.00	6.40	83.10	3,559.84	-9.72	-8.58	127.27	127.56	93.86	467,990.42	818,436.27
3,662.00	7.00	88.20	3,654.19	-9.00	-7.77	138.31	138.53	93.21	467,991.23	818,447.31
3,757.00	6.90	106.20	3,748.51	-10.51	-9.18	149.58	149.86	93.51	467,989.82	818,458.58
3,853.00	5.20	108.80	3,843.97	-13.60	-12.19	159.24	159.70	94.38	467,986.81	818,468.24
3,948.00	4.40	104.30	3,938.64	-15.96	-14.48	166.84	167.47	94.96	467,984.52	818,475.84
4,043.00	3.70	111.30	4,033.40	-18.03	-16.49	173.23	174.01	95.44	467,982.51	818,482.23
4,138.00	3.30	128.90	4,128.22	-20.90	-19.32	178.21	179.26	96.19	467,979.68	818,487.21
4,233.00	4.50	127.90	4,223.00	-24.96	-23.33	183.28	184.76	97.25	467,975.67	818,492.28
4,328.00	5.40	120.20	4,317.65	-29.55	-27.86	190.09	192.12	98.34	467,971.14	818,499.09
4,423.00	5.50	109.10	4,412.22	-33.37	-31.60	198.25	200.76	99.06	467,967.40	818,507.25
4,518.00	6.60	97.50	4,506.69	-35.65	-33.80	207.97	210.70	99.23	467,965.20	818,516.97
4,613.00	6.90	99.90	4,601.04	-37.45	-35.50	219.00	221.86	99.21	467,963.50	818,528.00
4,708.00	6.30	104.40	4,695.41	-39.82	-37.78	229.67	232.76	99.34	467,961.22	818,538.67
4,804.00	5.30	104.50	4,790.91	-42.32	-40.20	239.07	242.42	99.54	467,958.80	818,548.07
4,899.00	4.50	103.60	4,885.57	-44.37	-42.17	246.94	250.51	99.69	467,956.83	818,555.94
4,993.00	3.80	103.40	4,979.32	-46.01	-43.76	253.55	257.30	99.79	467,955.24	818,562.55



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5,088.00	3.50	103.40	5,074.13	-47.47	-45.16	259.44	263.34	99.87	467,953.84	818,568.44
5,164.00	3.30	99.70	5,149.99	-48.41	-46.07	263.85	267.84	99.90	467,952.93	818,572.85
5,265.00	3.00	103.00	5,250.84	-49.55	-47.15	269.29	273.39	99.93	467,951.85	818,578.29
5,360.00	4.60	113.80	5,345.63	-51.70	-49.25	275.20	279.57	100.15	467,949.75	818,584.20
5,455.00	4.60	111.50	5,440.32	-54.69	-52.18	282.23	287.01	100.48	467,946.82	818,591.23
5,550.00	4.50	109.00	5,535.02	-57.36	-54.79	289.30	294.44	100.72	467,944.21	818,598.30
5,645.00	5.90	100.10	5,629.63	-59.51	-56.86	297.63	303.01	100.82	467,942.14	818,606.63
5,739.00	6.20	100.20	5,723.11	-61.34	-58.61	307.38	312.92	100.79	467,940.39	818,616.38
5,834.00	5.90	100.70	5,817.58	-63.24	-60.42	317.23	322.93	100.78	467,938.58	818,626.23
5,929.00	5.40	99.70	5,912.12	-64.99	-62.08	326.43	332.28	100.77	467,936.92	818,635.43
6,024.00	7.10	97.80	6,006.55	-66.63	-63.63	336.65	342.61	100.70	467,935.37	818,645.65
6,118.00	8.80	102.50	6,099.64	-69.08	-65.98	349.43	355.60	100.69	467,933.02	818,658.43
6,213.00	8.80	103.20	6,193.53	-72.44	-69.21	363.60	370.13	100.78	467,929.79	818,672.60
6,308.00	8.90	103.00	6,287.39	-75.88	-72.52	377.84	384.73	100.87	467,926.48	818,686.84
6,403.00	9.10	102.00	6,381.22	-79.23	-75.74	392.34	399.59	100.93	467,923.26	818,701.34
6,498.00	9.70	107.20	6,474.95	-83.29	-79.67	407.34	415.06	101.07	467,919.33	818,716.34
6,593.00	9.70	107.90	6,568.59	-88.25	-84.49	422.60	430.96	101.31	467,914.51	818,731.60
6,688.00	9.30	106.70	6,662.29	-93.05	-89.16	437.57	446.56	101.52	467,909.84	818,746.57
6,783.00	8.90	106.90	6,756.09	-97.52	-93.50	451.95	461.52	101.69	467,905.50	818,760.95
6,878.00	8.80	106.30	6,849.96	-101.82	-97.68	465.96	476.08	101.84	467,901.32	818,774.96
6,973.00	8.70	105.90	6,943.86	-105.95	-101.68	479.84	490.50	101.96	467,897.32	818,788.84
7,068.00	9.30	111.50	7,037.69	-110.86	-106.47	493.89	505.24	102.16	467,892.53	818,802.89
7,164.00	9.00	111.60	7,132.47	-116.59	-112.07	508.09	520.31	102.44	467,886.93	818,817.09
7,258.00	8.80	110.90	7,225.33	-121.98	-117.34	521.65	534.68	102.68	467,881.66	818,830.65
7,353.00	8.60	110.90	7,319.24	-127.23	-122.47	535.07	548.91	102.89	467,876.53	818,844.07
7,448.00	8.00	110.10	7,413.25	-132.15	-127.28	547.91	562.50	103.08	467,871.72	818,856.91
7,543.00	6.90	108.10	7,507.44	-136.30	-131.32	559.55	574.75	103.21	467,867.68	818,868.55



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)
7,638.00	6.20	107.70	7,601.82	-139.72	-134.65	569.86	585.55	103.29	467,864.35	818,878.86
7,730.00	5.60	105.50	7,693.33	-142.51	-137.36	578.92	594.99	103.35	467,861.64	818,887.92
7,825.00	5.20	104.80	7,787.91	-144.93	-139.70	587.55	603.93	103.37	467,859.30	818,896.55
7,920.00	4.70	101.40	7,882.56	-146.87	-141.57	595.52	612.12	103.37	467,857.43	818,904.52
8,015.00	4.20	100.90	7,977.27	-148.36	-143.00	602.76	619.49	103.35	467,856.00	818,911.76
8,110.00	4.00	98.40	8,072.03	-149.56	-144.14	609.45	626.26	103.31	467,854.86	818,918.45
8,205.00	3.40	111.60	8,166.83	-151.13	-145.66	615.35	632.35	103.32	467,853.34	818,924.35
8,300.00	3.10	114.60	8,261.68	-153.28	-147.77	620.30	637.66	103.40	467,851.23	818,929.30
8,395.00	2.60	112.00	8,356.56	-155.20	-149.64	624.63	642.31	103.47	467,849.36	818,933.63
8,490.00	1.70	103.60	8,451.49	-156.37	-150.78	628.00	645.85	103.50	467,848.22	818,937.00
8,585.00	1.00	87.10	8,546.47	-156.68	-151.07	630.20	648.05	103.48	467,847.93	818,939.20
8,680.00	0.50	85.30	8,641.46	-156.61	-151.00	631.44	649.24	103.45	467,848.00	818,940.44
8,775.00	0.80	91.30	8,736.45	-156.60	-150.98	632.52	650.29	103.42	467,848.02	818,941.52
8,870.00	0.80	55.20	8,831.44	-156.25	-150.61	633.72	651.38	103.37	467,848.39	818,942.72
8,965.00	0.90	22.50	8,926.43	-155.19	-149.55	634.55	651.94	103.26	467,849.45	818,943.55
9,060.00	0.80	350.90	9,021.42	-153.85	-148.20	634.74	651.81	103.14	467,850.80	818,943.74
9,155.00	0.50	305.10	9,116.42	-152.95	-147.31	634.29	651.17	103.07	467,851.69	818,943.29
9,250.00	0.80	328.20	9,211.41	-152.14	-146.51	633.60	650.32	103.02	467,852.49	818,942.60
9,345.00	0.80	314.40	9,306.40	-151.11	-145.48	632.78	649.29	102.95	467,853.52	818,941.78
9,440.00	1.00	301.80	9,401.39	-150.19	-144.58	631.60	647.94	102.89	467,854.42	818,940.60
9,535.00	1.90	293.90	9,496.36	-149.10	-143.50	629.46	645.61	102.84	467,855.50	818,938.46
9,630.00	3.40	285.20	9,591.26	-147.69	-142.13	625.30	641.25	102.81	467,856.87	818,934.30
9,725.00	5.00	286.20	9,686.00	-145.73	-140.23	618.60	634.30	102.77	467,858.77	818,927.60
9,820.00	2.20	305.60	9,780.80	-143.47	-138.02	613.14	628.49	102.69	467,860.98	818,922.14
9,915.00	1.00	112.40	9,875.79	-142.72	-137.27	612.43	627.62	102.63	467,861.73	818,921.43
10,010.00	1.10	157.30	9,970.77	-143.88	-138.43	613.55	628.97	102.71	467,860.57	818,922.55
10,105.00	0.80	200.60	10,065.76	-145.35	-139.89	613.66	629.41	102.84	467,859.11	818,922.66



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Well: No. 134H
Wellbore: OH
Design: MWD-160'-16282', PTB: 16366'

Local Co-ordinate Reference: Well No. 134H
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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)
10,200.00	1.00	138.90	10,160.75	-146.59	-141.13	613.98	629.99	102.95	467,857.87	818,922.98
10,295.00	0.90	197.20	10,255.74	-147.93	-142.47	614.30	630.61	103.06	467,856.53	818,923.30
10,390.00	1.80	267.00	10,350.72	-148.71	-143.26	612.59	629.12	103.16	467,855.74	818,921.59
10,485.00	1.60	248.60	10,445.68	-149.25	-143.83	609.87	626.59	103.27	467,855.17	818,918.87
10,580.00	4.70	251.90	10,540.52	-150.90	-145.52	604.93	622.19	103.53	467,853.48	818,913.93
10,676.00	4.80	226.60	10,636.20	-154.82	-149.50	598.27	616.67	104.03	467,849.50	818,907.27
10,741.00	5.80	223.90	10,700.92	-159.02	-153.74	594.02	613.59	104.51	467,845.26	818,903.02
10,831.00	3.00	213.00	10,790.65	-164.23	-158.99	589.58	610.64	105.09	467,840.01	818,898.58
10,927.00	3.90	44.60	10,886.59	-164.02	-158.77	590.51	611.48	105.05	467,840.23	818,899.51
10,959.00	7.60	29.60	10,918.42	-161.42	-156.16	592.32	612.56	104.77	467,842.84	818,901.32
10,991.00	11.80	22.90	10,949.96	-156.59	-151.30	594.64	613.58	104.28	467,847.70	818,903.64
11,022.00	15.80	23.00	10,980.06	-149.80	-144.49	597.52	614.74	103.59	467,854.51	818,906.52
11,118.00	24.10	15.00	11,070.24	-118.87	-113.47	607.72	618.22	100.58	467,885.53	818,916.72
11,213.00	32.10	4.50	11,154.02	-74.94	-69.47	614.74	618.65	96.45	467,929.53	818,923.74
11,308.00	41.00	4.00	11,230.26	-18.62	-13.11	618.90	619.04	91.21	467,985.89	818,927.90
11,404.00	48.00	1.40	11,298.70	48.52	54.06	621.97	624.32	85.03	468,053.06	818,930.97
11,499.00	57.80	2.70	11,355.93	124.11	129.68	624.73	638.05	78.27	468,128.68	818,933.73
11,595.00	68.30	0.40	11,399.38	209.51	215.10	626.96	662.84	71.06	468,214.10	818,935.96
11,690.00	76.30	359.70	11,428.24	299.93	305.53	627.03	697.51	64.02	468,304.53	818,936.03
11,786.00	85.10	359.90	11,443.74	394.58	400.17	626.70	743.57	57.44	468,399.17	818,935.70
11,887.00	87.20	358.70	11,450.52	495.34	500.93	625.47	801.34	51.31	468,499.93	818,934.47
11,983.00	90.90	358.10	11,452.12	591.29	596.86	622.79	862.62	46.22	468,595.86	818,931.79
12,078.00	92.00	358.50	11,449.71	686.24	691.79	619.97	928.94	41.87	468,690.79	818,928.97
12,174.00	94.40	359.00	11,444.35	782.08	787.61	617.88	1,001.05	38.11	468,786.61	818,926.88
12,269.00	95.30	359.00	11,436.32	876.73	882.25	616.23	1,076.15	34.93	468,881.25	818,925.23
12,365.00	95.90	359.00	11,426.95	972.27	977.78	614.56	1,154.88	32.15	468,976.78	818,923.56
12,460.00	95.10	0.10	11,417.85	1,066.83	1,072.34	613.82	1,235.59	29.79	469,071.34	818,922.82



ProDirectional
Survey Report



Company: Matador Resources
Project: Lea County, NM (NAD83)
Site: Florence State 23-23S-34E AR
Well: No. 134H
Wellbore: OH
Design: MWD-160'-16282', PTB: 16366'

Local Co-ordinate Reference: Well No. 134H
TVD Reference: Well @ 3410.50usft
MD Reference: Well @ 3410.50usft
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)
12,556.00	93.40	1.80	11,410.73	1,162.53	1,168.05	615.41	1,320.25	27.78	469,167.05	818,924.41
12,651.00	94.00	1.80	11,404.60	1,257.25	1,262.81	618.39	1,406.09	26.09	469,261.81	818,927.39
12,747.00	92.50	3.00	11,399.16	1,352.97	1,358.56	622.40	1,494.35	24.61	469,357.56	818,931.40
12,842.00	93.30	3.10	11,394.35	1,447.66	1,453.31	627.45	1,582.97	23.35	469,452.31	818,936.45
12,938.00	92.30	2.60	11,389.66	1,543.38	1,549.07	632.22	1,673.12	22.20	469,548.07	818,941.22
13,033.00	91.20	1.80	11,386.76	1,638.23	1,643.95	635.86	1,762.64	21.15	469,642.95	818,944.86
13,129.00	90.90	1.40	11,385.00	1,734.15	1,739.90	638.54	1,853.37	20.15	469,738.90	818,947.54
13,224.00	90.60	359.50	11,383.76	1,829.12	1,834.89	639.29	1,943.06	19.21	469,833.89	818,948.29
13,320.00	91.10	358.70	11,382.34	1,925.11	1,930.86	637.78	2,033.47	18.28	469,929.86	818,946.78
13,415.00	91.40	358.40	11,380.26	2,020.07	2,025.81	635.38	2,123.11	17.41	470,024.81	818,944.38
13,511.00	92.10	358.40	11,377.33	2,116.01	2,121.73	632.70	2,214.05	16.60	470,120.73	818,941.70
13,606.00	93.30	358.40	11,372.86	2,210.89	2,216.58	630.05	2,304.39	15.87	470,215.58	818,939.05
13,702.00	94.00	358.70	11,366.75	2,306.68	2,312.36	627.62	2,396.02	15.19	470,311.36	818,936.62
13,797.00	94.70	358.80	11,359.54	2,401.40	2,407.06	625.56	2,487.02	14.57	470,406.06	818,934.56
13,893.00	92.30	359.40	11,353.68	2,497.21	2,502.86	624.05	2,579.49	14.00	470,501.86	818,933.05
13,988.00	92.40	359.60	11,349.78	2,592.13	2,597.78	623.22	2,671.49	13.49	470,596.78	818,932.22
14,084.00	92.70	359.00	11,345.51	2,688.03	2,693.67	622.05	2,764.57	13.00	470,692.67	818,931.05
14,180.00	93.50	359.40	11,340.32	2,783.89	2,789.52	620.71	2,857.75	12.54	470,788.52	818,929.71
14,275.00	94.30	359.30	11,333.86	2,878.67	2,884.30	619.64	2,950.10	12.12	470,883.30	818,928.64
14,371.00	92.80	0.20	11,327.92	2,974.48	2,980.11	619.22	3,043.76	11.74	470,979.11	818,928.22
14,466.00	90.10	0.30	11,325.51	3,069.43	3,075.07	619.64	3,136.88	11.39	471,074.07	818,928.64
14,562.00	89.50	0.10	11,325.85	3,165.42	3,171.07	619.97	3,231.10	11.06	471,170.07	818,928.97
14,657.00	89.70	0.00	11,326.51	3,260.42	3,266.06	620.05	3,324.40	10.75	471,265.06	818,929.05
14,753.00	90.20	0.00	11,326.59	3,356.41	3,362.06	620.05	3,418.76	10.45	471,361.06	818,929.05
14,849.00	90.60	359.60	11,325.92	3,452.41	3,458.06	619.72	3,513.15	10.16	471,457.06	818,928.72
14,944.00	90.90	0.00	11,324.68	3,547.40	3,553.05	619.39	3,606.63	9.89	471,552.05	818,928.39
15,040.00	91.50	0.10	11,322.67	3,643.37	3,649.03	619.47	3,701.24	9.63	471,648.03	818,928.47



ProDirectional Survey Report



Company: Matador Resources
Project: Lea County, NM (NAD83)
Site: Florence State 23-23S-34E AR
Well: No. 134H
Wellbore: OH
Design: MWD-160'-16282', PTB: 16366'

Local Co-ordinate Reference: Well No. 134H
TVD Reference: Well @ 3410.50usft
MD Reference: Well @ 3410.50usft
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)
15,135.00	92.00	0.40	11,319.77	3,738.32	3,743.98	619.88	3,794.95	9.40	471,742.98	818,928.88
15,231.00	92.80	0.60	11,315.75	3,834.22	3,839.90	620.72	3,889.74	9.18	471,838.90	818,929.72
15,327.00	91.20	0.30	11,312.40	3,930.14	3,935.83	621.48	3,984.59	8.97	471,934.83	818,930.48
15,422.00	90.90	0.40	11,310.66	4,025.12	4,030.81	622.06	4,078.53	8.77	472,029.81	818,931.06
15,518.00	91.70	0.50	11,308.48	4,121.08	4,126.78	622.81	4,173.52	8.58	472,125.78	818,931.81
15,613.00	89.20	0.30	11,307.73	4,216.05	4,221.77	623.47	4,267.56	8.40	472,220.77	818,932.47
15,709.00	89.40	0.00	11,308.91	4,312.04	4,317.76	623.72	4,362.58	8.22	472,316.76	818,932.72
15,805.00	90.00	359.90	11,309.41	4,408.04	4,413.76	623.64	4,457.60	8.04	472,412.76	818,932.64
15,900.00	90.30	359.40	11,309.16	4,503.03	4,508.76	623.06	4,551.61	7.87	472,507.76	818,932.06
15,996.00	91.60	359.50	11,307.57	4,599.02	4,604.74	622.14	4,646.58	7.69	472,603.74	818,931.14
16,091.00	92.00	359.30	11,304.59	4,693.97	4,699.69	621.14	4,740.56	7.53	472,698.69	818,930.14
16,187.00	93.10	359.10	11,300.31	4,789.87	4,795.58	619.80	4,835.47	7.36	472,794.58	818,928.80
16,282.00	94.10	359.30	11,294.35	4,884.68	4,890.38	618.48	4,929.34	7.21	472,889.38	818,927.48
Last Survey: 16282' MD										
16,366.00	94.10	359.30	11,288.34	4,968.47	4,974.16	617.46	5,012.34	7.08	472,973.16	818,926.46
PTB: 16366' MD										

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
160.00	160.00	0.16	0.39	Pro MWD First Survey: 160' MD
16,282.00	11,294.35	4,890.38	618.48	Last Survey: 16282' MD
16,366.00	11,288.34	4,974.16	617.46	PTB: 16366' MD