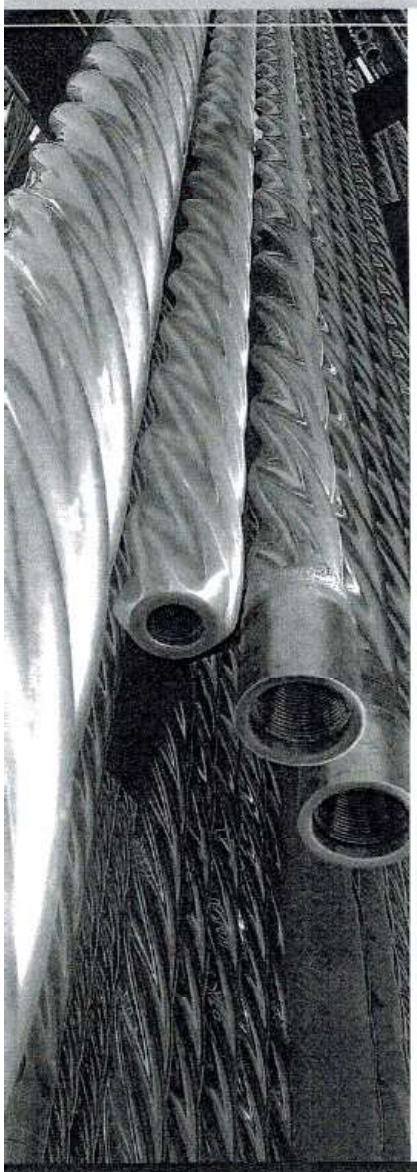
PRODIRECTIONAL

Rec'd 9/16/2020 - NMOCD



Matador RESOURCES COMPANY

Biggers Fed Com No. 203H

Lea County, NM

September 25, 2019

Job No. LNM5513219

Certified Report

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

PRODIRECTIONAL

Survey Certification Letter

September 25, 2019

Matador RESOURCES COMPANY

Operator Name:	Matador Resources
Well Name:	Biggers Fed Com No. 203H
County/Parish:	Lea County,
State:	NM
Rig Name:	Patterson 810
Job Number:	LNM5513219

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:

Surveyor	Surveyed Depths	Projection to Bit	Dates Performed	Type of Survey
ProDirectional	162' MD – 17,438' MD	17,500' MD	07/14/19 – 08/30/19	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
Biggers Fed Com
No. 203H
OH

Survey: ProDirectional

Survey Report

25 September, 2019

PRODIRECTIONAL

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well No. 203H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	Well @ 3360.50usft
Site:	Biggers Fed Com	**MD Reference:**	Well @ 3360.50usft
Well:	No. 203H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	MWD	**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 Biggers Fed Com

Site Position:		**Northing:**	409,875.00 usft	**Latitude:**	32.123401
From:	Map	**Easting:**	829,612.00 usft	**Longitude:**	-103.402148
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.50 °

Well No. 203H, LNM5513219

Well Position	**+N/-S**	0.00 usft	**Northing:**	409,875.00 usft	**Latitude:**	32.123401
	+E/-W	0.00 usft	**Easting:**	829,612.00 usft	**Longitude:**	-103.402148
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,332.00 usft

Wellbore OH

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	HDGM	7/5/2019	6.58	59.73	47,778.40

Design MWD

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	359.50

Survey Program **Date** 9/25/2019

From (usft)	**To (usft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
162.00	17,500.00	Survey #1 (OH)	MWD+HDGM	OWSG MWD + HRGM

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well No. 203H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	Well @ 3360.50usft
Site:	Biggers Fed Com	**MD Reference:**	Well @ 3360.50usft
Well:	No. 203H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	MWD	**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	409,875.00	829,612.00
162.00	0.90	232.80	161.99	-0.76	-0.77	-1.01	1.27	232.80	409,874.23	829,610.99
Pro MWD First Survey: 162' MD										
286.00	1.00	231.80	285.98	-2.00	-2.03	-2.64	3.33	232.47	409,872.97	829,609.36
379.00	0.80	245.80	378.96	-2.76	-2.80	-3.87	4.77	234.16	409,872.20	829,608.13
472.00	0.40	268.10	471.96	-3.03	-3.07	-4.79	5.69	237.30	409,871.93	829,607.21
534.00	0.20	306.00	533.96	-2.97	-3.02	-5.09	5.92	239.35	409,871.98	829,606.91
619.00	0.00	340.00	618.96	-2.88	-2.93	-5.21	5.98	240.66	409,872.07	829,606.79
719.00	0.10	87.80	718.96	-2.88	-2.93	-5.12	5.90	240.27	409,872.07	829,606.88
805.00	0.00	311.50	804.96	-2.88	-2.92	-5.05	5.83	239.93	409,872.08	829,606.95
872.00	0.00	114.80	871.96	-2.88	-2.92	-5.05	5.83	239.93	409,872.08	829,606.95
933.00	0.00	49.50	932.96	-2.88	-2.92	-5.05	5.83	239.93	409,872.08	829,606.95
1,075.00	0.20	61.00	1,074.96	-2.76	-2.80	-4.83	5.58	239.89	409,872.20	829,607.17
1,170.00	0.30	71.80	1,169.96	-2.61	-2.64	-4.45	5.18	239.28	409,872.36	829,607.55
1,265.00	0.30	80.10	1,264.96	-2.49	-2.52	-3.97	4.70	237.55	409,872.48	829,608.03
1,360.00	0.20	344.70	1,359.96	-2.29	-2.32	-3.77	4.42	238.36	409,872.68	829,608.23
1,455.00	0.10	28.20	1,454.96	-2.05	-2.09	-3.77	4.31	241.03	409,872.91	829,608.23
1,550.00	0.20	23.60	1,549.95	-1.83	-1.86	-3.67	4.11	243.06	409,873.14	829,608.33
1,645.00	0.10	251.50	1,644.95	-1.71	-1.74	-3.68	4.07	244.72	409,873.26	829,608.32
1,740.00	0.10	229.80	1,739.95	-1.78	-1.82	-3.82	4.23	244.56	409,873.18	829,608.18
1,835.00	0.10	352.40	1,834.95	-1.75	-1.79	-3.89	4.29	245.34	409,873.21	829,608.11
1,930.00	0.30	240.70	1,929.95	-1.79	-1.83	-4.12	4.51	246.09	409,873.17	829,607.88
2,026.00	0.20	353.40	2,025.95	-1.75	-1.78	-4.36	4.71	247.75	409,873.22	829,607.64
2,121.00	0.20	100.50	2,120.95	-1.61	-1.65	-4.22	4.53	248.63	409,873.35	829,607.78
2,216.00	0.20	87.50	2,215.95	-1.64	-1.67	-3.89	4.23	246.72	409,873.33	829,608.11
2,311.00	0.10	138.40	2,310.95	-1.70	-1.73	-3.67	4.05	244.78	409,873.27	829,608.33
2,406.00	0.10	150.30	2,405.95	-1.83	-1.86	-3.57	4.03	242.47	409,873.14	829,608.43

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well No. 203H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	Well @ 3360.50usft
Site:	Biggers Fed Com	**MD Reference:**	Well @ 3360.50usft
Well:	No. 203H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	MWD	**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)
2,501.00	0.10	77.10	2,500.95	-1.89	-1.92	-3.45	3.95	240.96	409,873.08	829,608.55
2,596.00	0.20	120.40	2,595.95	-1.95	-1.98	-3.23	3.79	238.45	409,873.02	829,608.77
2,690.00	0.20	109.00	2,689.95	-2.09	-2.12	-2.93	3.61	234.14	409,872.88	829,609.07
2,785.00	0.30	64.70	2,784.95	-2.04	-2.06	-2.55	3.28	230.97	409,872.94	829,609.45
2,880.00	0.50	47.50	2,879.95	-1.66	-1.68	-2.02	2.62	230.24	409,873.32	829,609.98
2,975.00	0.50	54.20	2,974.94	-1.14	-1.16	-1.38	1.80	229.95	409,873.84	829,610.62
3,071.00	0.40	50.60	3,070.94	-0.69	-0.70	-0.78	1.04	228.04	409,874.30	829,611.22
3,166.00	0.70	60.40	3,165.94	-0.20	-0.20	-0.02	0.20	184.48	409,874.80	829,611.98
3,261.00	0.80	56.70	3,260.93	0.44	0.45	1.04	1.14	66.68	409,875.45	829,613.04
3,356.00	0.80	33.80	3,355.92	1.35	1.36	1.97	2.39	55.24	409,876.36	829,613.97
3,451.00	0.80	38.40	3,450.91	2.41	2.44	2.75	3.67	48.44	409,877.44	829,614.75
3,546.00	1.30	36.70	3,545.89	3.79	3.82	3.80	5.39	44.88	409,878.82	829,615.80
3,642.00	1.30	39.80	3,641.87	5.48	5.53	5.15	7.56	42.97	409,880.53	829,617.15
3,737.00	1.30	45.30	3,736.85	7.06	7.12	6.61	9.71	42.88	409,882.12	829,618.61
3,832.00	1.20	34.00	3,831.82	8.63	8.70	7.93	11.77	42.35	409,883.70	829,619.93
3,927.00	1.00	40.90	3,926.81	10.07	10.15	9.03	13.58	41.65	409,885.15	829,621.03
4,022.00	0.90	29.50	4,021.79	11.34	11.43	9.94	15.14	41.02	409,886.43	829,621.94
4,117.00	0.70	20.30	4,116.78	12.53	12.62	10.51	16.42	39.78	409,887.62	829,622.51
4,212.00	0.70	30.00	4,211.78	13.57	13.67	11.00	17.54	38.83	409,888.67	829,623.00
4,307.00	0.50	200.30	4,306.77	13.68	13.78	11.14	17.72	38.97	409,888.78	829,623.14
4,403.00	1.00	213.20	4,402.77	12.59	12.69	10.54	16.49	39.72	409,887.69	829,622.54
4,498.00	0.80	224.00	4,497.75	11.43	11.51	9.63	15.01	39.90	409,886.51	829,621.63
4,593.00	0.30	132.70	4,592.75	10.79	10.87	9.35	14.34	40.70	409,885.87	829,621.35
4,688.00	1.30	107.90	4,687.74	10.28	10.37	10.56	14.80	45.51	409,885.37	829,622.56
4,783.00	1.60	151.90	4,782.71	8.76	8.87	12.21	15.09	54.00	409,883.87	829,624.21
4,878.00	2.30	204.50	4,877.66	5.86	5.96	12.04	13.44	63.65	409,880.96	829,624.04
4,973.00	2.30	201.10	4,972.59	2.36	2.45	10.56	10.84	76.94	409,877.45	829,622.56

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well No. 203H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	Well @ 3360.50usft
Site:	Biggers Fed Com	**MD Reference:**	Well @ 3360.50usft
Well:	No. 203H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	MWD	**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)
5,068.00	2.30	166.10	5,067.52	-1.27	-1.18	10.34	10.40	96.51	409,873.82	829,622.34
5,163.00	2.70	155.30	5,162.43	-5.16	-5.06	11.73	12.77	113.35	409,869.94	829,623.73
5,257.00	2.50	153.10	5,256.33	-9.02	-8.90	13.58	16.24	123.24	409,866.10	829,625.58
5,352.00	2.20	153.60	5,351.25	-12.52	-12.38	15.33	19.71	128.93	409,862.62	829,627.33
5,446.00	2.20	153.00	5,445.18	-15.75	-15.61	16.95	23.04	132.64	409,859.39	829,628.95
5,466.00	2.10	150.70	5,465.17	-16.42	-16.27	17.30	23.75	133.23	409,858.73	829,629.30
5,530.00	1.80	155.30	5,529.13	-18.36	-18.20	18.30	25.81	134.85	409,856.80	829,630.30
5,624.00	1.50	237.00	5,623.10	-20.37	-20.22	17.88	26.99	138.50	409,854.78	829,629.88
5,718.00	4.30	263.60	5,716.97	-21.39	-21.28	13.35	25.12	147.90	409,853.72	829,625.35
5,813.00	4.50	264.00	5,811.69	-22.12	-22.07	6.10	22.89	164.54	409,852.93	829,618.10
5,908.00	4.60	264.40	5,906.39	-22.81	-22.83	-1.39	22.87	183.50	409,852.17	829,610.61
6,003.00	4.60	261.70	6,001.09	-23.67	-23.75	-8.96	25.38	200.66	409,851.25	829,603.04
6,098.00	4.80	266.10	6,095.77	-24.42	-24.57	-16.69	29.70	214.19	409,850.43	829,595.31
6,193.00	4.70	271.10	6,190.44	-24.55	-24.76	-24.55	34.87	224.75	409,850.24	829,587.45
6,288.00	4.60	271.80	6,285.13	-24.29	-24.57	-32.25	40.54	232.69	409,850.43	829,579.75
6,383.00	4.50	267.50	6,379.83	-24.26	-24.61	-39.78	46.78	238.25	409,850.39	829,572.22
6,478.00	5.50	264.30	6,474.47	-24.81	-25.23	-48.03	54.25	242.29	409,849.77	829,563.97
6,573.00	5.10	240.20	6,569.07	-27.29	-27.78	-56.23	62.71	243.71	409,847.22	829,555.77
6,668.00	5.30	237.60	6,663.68	-31.67	-32.23	-63.59	71.29	243.13	409,842.77	829,548.41
6,763.00	5.30	238.30	6,758.28	-36.26	-36.88	-71.03	80.04	242.56	409,838.12	829,540.97
6,858.00	5.40	233.40	6,852.86	-41.17	-41.86	-78.35	88.83	241.89	409,833.14	829,533.65
6,953.00	3.80	242.00	6,947.56	-45.26	-46.00	-84.72	96.40	241.50	409,829.00	829,527.28
7,047.00	1.70	257.40	7,041.44	-46.99	-47.77	-88.83	100.86	241.73	409,827.23	829,523.17
7,142.00	0.80	9.50	7,136.43	-46.63	-47.42	-90.10	101.82	242.24	409,827.58	829,521.90
7,237.00	1.10	15.20	7,231.42	-45.10	-45.88	-89.75	100.80	242.92	409,829.12	829,522.25
7,332.00	1.00	21.20	7,326.40	-43.45	-44.23	-89.21	99.58	243.63	409,830.77	829,522.79
7,427.00	0.90	5.70	7,421.39	-41.94	-42.72	-88.84	98.58	244.32	409,832.28	829,523.16

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well No. 203H
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Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	MWD	**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)
7,522.00	1.10	10.60	7,516.37	-40.30	-41.08	-88.60	97.66	245.13	409,833.92	829,523.40
7,617.00	0.80	358.60	7,611.36	-38.74	-39.52	-88.45	96.87	245.92	409,835.48	829,523.55
7,712.00	1.00	1.40	7,706.35	-37.25	-38.03	-88.44	96.27	246.73	409,836.97	829,523.56
7,807.00	0.90	19.20	7,801.33	-35.72	-36.49	-88.18	95.43	247.52	409,838.51	829,523.82
7,903.00	1.20	12.70	7,897.32	-34.03	-34.80	-87.71	94.36	248.36	409,840.20	829,524.29
7,998.00	1.20	12.00	7,992.30	-32.09	-32.86	-87.28	93.26	249.37	409,842.14	829,524.72
8,093.00	0.60	20.00	8,087.29	-30.66	-31.42	-86.90	92.41	250.12	409,843.58	829,525.10
8,188.00	0.50	16.00	8,182.28	-29.79	-30.55	-86.62	91.85	250.57	409,844.45	829,525.38
8,283.00	0.20	221.80	8,277.28	-29.52	-30.28	-86.62	91.76	250.73	409,844.72	829,525.38
8,378.00	0.60	267.50	8,372.28	-29.66	-30.42	-87.22	92.38	250.77	409,844.58	829,524.78
8,473.00	0.80	261.00	8,467.27	-29.77	-30.55	-88.38	93.51	250.93	409,844.45	829,523.62
8,568.00	0.50	238.40	8,562.26	-30.09	-30.87	-89.38	94.56	250.95	409,844.13	829,522.62
8,663.00	0.30	237.20	8,657.26	-30.43	-31.22	-89.95	95.21	250.86	409,843.78	829,522.05
8,758.00	0.30	200.20	8,752.26	-30.80	-31.59	-90.24	95.61	250.71	409,843.41	829,521.76
8,854.00	0.30	181.60	8,848.26	-31.29	-32.07	-90.33	95.86	250.45	409,842.93	829,521.67
8,949.00	0.30	170.10	8,943.26	-31.78	-32.57	-90.30	95.99	250.17	409,842.43	829,521.70
9,044.00	0.60	207.30	9,038.26	-32.46	-33.26	-90.48	96.40	249.82	409,841.74	829,521.52
9,139.00	0.40	165.10	9,133.25	-33.23	-34.02	-90.63	96.80	249.43	409,840.98	829,521.37
9,234.00	0.60	201.20	9,228.25	-34.01	-34.80	-90.72	97.17	249.01	409,840.20	829,521.28
9,329.00	0.50	160.00	9,323.24	-34.86	-35.66	-90.76	97.51	248.55	409,839.34	829,521.24
9,424.00	0.30	143.00	9,418.24	-35.45	-36.24	-90.47	97.46	248.17	409,838.76	829,521.53
9,519.00	0.40	174.60	9,513.24	-35.98	-36.77	-90.29	97.49	247.84	409,838.23	829,521.71
9,614.00	0.30	148.40	9,608.24	-36.53	-37.31	-90.13	97.55	247.51	409,837.69	829,521.87
9,709.00	0.50	98.00	9,703.24	-36.80	-37.58	-89.59	97.15	247.24	409,837.42	829,522.41
9,804.00	0.10	53.60	9,798.24	-36.81	-37.59	-89.11	96.71	247.13	409,837.41	829,522.89
9,899.00	0.40	53.20	9,893.23	-36.57	-37.34	-88.78	96.31	247.19	409,837.66	829,523.22
9,994.00	0.40	25.20	9,988.23	-36.07	-36.85	-88.37	95.74	247.37	409,838.15	829,523.63

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well No. 203H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	Well @ 3360.50usft
Site:	Biggers Fed Com	**MD Reference:**	Well @ 3360.50usft
Well:	No. 203H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	MWD	**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)
10,089.00	0.70	15.40	10,083.23	-35.22	-35.99	-88.07	95.14	247.78	409,839.01	829,523.93
10,184.00	1.00	13.20	10,178.22	-33.85	-34.62	-87.73	94.31	248.47	409,840.38	829,524.27
10,280.00	1.70	26.50	10,274.19	-31.77	-32.53	-86.90	92.79	249.48	409,842.47	829,525.10
10,374.00	1.50	31.60	10,368.15	-29.49	-30.23	-85.64	90.82	250.55	409,844.77	829,526.36
10,470.00	1.40	56.30	10,464.12	-27.78	-28.51	-84.00	88.71	251.25	409,846.49	829,528.00
10,564.00	1.00	36.00	10,558.10	-26.49	-27.21	-82.57	86.93	251.76	409,847.79	829,529.43
10,659.00	0.60	36.00	10,653.09	-25.42	-26.14	-81.79	85.86	252.28	409,848.86	829,530.21
10,754.00	0.70	30.60	10,748.09	-24.53	-25.24	-81.20	85.03	252.73	409,849.76	829,530.80
10,848.00	0.60	51.30	10,842.08	-23.73	-24.44	-80.52	84.15	253.12	409,850.56	829,531.48
10,943.00	0.60	85.70	10,937.08	-23.39	-24.09	-79.64	83.20	253.17	409,850.91	829,532.36
11,038.00	0.90	51.20	11,032.07	-22.90	-23.58	-78.56	82.02	253.29	409,851.42	829,533.44
11,133.00	1.40	22.20	11,127.05	-21.36	-22.04	-77.54	80.61	254.13	409,852.96	829,534.46
11,228.00	3.00	20.80	11,221.98	-17.98	-18.64	-76.22	78.47	256.26	409,856.36	829,535.78
11,323.00	1.30	350.40	11,316.91	-14.60	-15.25	-75.52	77.04	258.58	409,859.75	829,536.48
11,418.00	1.40	324.90	11,411.88	-12.58	-13.24	-76.36	77.50	260.16	409,861.76	829,535.64
11,513.00	0.60	27.60	11,506.87	-11.18	-11.85	-76.80	77.71	261.23	409,863.15	829,535.20
11,608.00	0.30	69.20	11,601.87	-10.66	-11.32	-76.34	77.17	261.56	409,863.68	829,535.66
11,703.00	0.30	353.10	11,696.87	-10.32	-10.99	-76.13	76.92	261.79	409,864.01	829,535.87
11,798.00	0.80	338.60	11,791.86	-9.46	-10.12	-76.41	77.07	262.45	409,864.88	829,535.59
11,893.00	0.60	304.00	11,886.86	-8.55	-9.23	-77.06	77.61	263.17	409,865.77	829,534.94
11,989.00	0.60	312.50	11,982.85	-7.93	-8.61	-77.85	78.32	263.69	409,866.39	829,534.15
12,082.00	0.90	328.50	12,075.84	-6.97	-7.66	-78.59	78.96	264.44	409,867.34	829,533.41
12,177.00	10.90	332.60	12,170.22	1.70	0.98	-83.12	83.13	270.67	409,875.98	829,528.88
12,271.00	24.90	339.50	12,259.46	28.36	27.54	-94.20	98.14	286.30	409,902.54	829,517.80
12,366.00	34.60	336.40	12,341.84	72.07	71.09	-112.05	132.70	302.40	409,946.09	829,499.95
12,460.00	45.80	344.80	12,413.58	129.43	128.29	-131.64	183.81	314.26	410,003.29	829,480.36
12,555.00	54.80	353.10	12,474.26	201.17	199.91	-145.27	247.12	323.99	410,074.91	829,466.73

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well No. 203H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	Well @ 3360.50usft
Site:	Biggers Fed Com	**MD Reference:**	Well @ 3360.50usft
Well:	No. 203H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	MWD	**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)
12,650.00	62.40	355.70	12,523.73	281.87	280.54	-153.11	319.60	331.38	410,155.54	829,458.89
12,746.00	64.80	353.80	12,566.41	367.55	366.16	-160.99	399.99	336.27	410,241.16	829,451.01
12,841.00	68.50	358.30	12,604.07	454.57	453.13	-166.95	482.91	339.77	410,328.13	829,445.05
12,872.00	70.80	3.00	12,614.86	483.62	482.18	-166.61	510.15	340.94	410,357.18	829,445.39
12,885.00	71.30	4.30	12,619.08	495.88	494.45	-165.82	521.52	341.46	410,369.45	829,446.18
12,991.00	74.90	6.30	12,649.89	596.76	595.42	-156.44	615.62	345.28	410,470.42	829,455.56
13,086.00	78.80	6.30	12,671.50	688.60	687.35	-146.29	702.74	347.98	410,562.35	829,465.71
13,181.00	85.60	5.40	12,684.39	782.09	780.92	-136.71	792.80	350.07	410,655.92	829,475.29
13,276.00	87.70	4.70	12,689.94	876.47	875.39	-128.36	884.75	351.66	410,750.39	829,483.64
13,372.00	89.80	5.20	12,692.03	972.01	971.00	-120.08	978.40	352.95	410,846.00	829,491.92
13,467.00	89.60	5.10	12,692.53	1,066.55	1,065.62	-111.55	1,071.44	354.02	410,940.62	829,500.45
13,562.00	91.60	3.50	12,691.53	1,161.20	1,160.34	-104.43	1,165.03	354.86	411,035.34	829,507.57
13,657.00	89.80	0.40	12,690.37	1,256.09	1,255.26	-101.20	1,259.33	355.39	411,130.26	829,510.80
13,752.00	86.60	357.40	12,693.36	1,351.02	1,350.17	-103.02	1,354.10	355.64	411,225.17	829,508.98
13,847.00	86.80	357.50	12,698.83	1,445.80	1,444.92	-107.24	1,448.89	355.76	411,319.92	829,504.76
13,943.00	86.40	356.70	12,704.52	1,541.55	1,540.63	-112.09	1,544.70	355.84	411,415.63	829,499.91
14,037.00	88.20	357.70	12,708.95	1,635.36	1,634.41	-116.68	1,638.56	355.92	411,509.41	829,495.32
14,132.00	89.40	357.60	12,710.94	1,730.29	1,729.30	-120.57	1,733.50	356.01	411,604.30	829,491.43
14,226.00	92.00	359.40	12,709.79	1,824.26	1,823.25	-123.03	1,827.40	356.14	411,698.25	829,488.97
14,320.00	93.70	1.90	12,705.11	1,918.11	1,917.12	-121.97	1,920.99	356.36	411,792.12	829,490.03
14,415.00	91.70	1.70	12,700.64	2,012.92	2,011.96	-118.99	2,015.48	356.62	411,886.96	829,493.01
14,511.00	92.20	1.00	12,697.37	2,108.82	2,107.88	-116.73	2,111.11	356.83	411,982.88	829,495.27
14,606.00	92.00	0.40	12,693.89	2,203.73	2,202.81	-115.57	2,205.84	357.00	412,077.81	829,496.43
14,701.00	92.50	0.60	12,690.16	2,298.64	2,297.73	-114.74	2,300.59	357.14	412,172.73	829,497.26
14,795.00	92.30	0.40	12,686.23	2,392.55	2,391.64	-113.92	2,394.35	357.27	412,266.64	829,498.08
14,890.00	90.50	359.00	12,683.90	2,487.51	2,486.61	-114.42	2,489.24	357.37	412,361.61	829,497.58
14,986.00	87.50	357.10	12,685.58	2,583.45	2,582.52	-117.68	2,585.20	357.39	412,457.52	829,494.32

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well No. 203H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	Well @ 3360.50usft
Site:	Biggers Fed Com	**MD Reference:**	Well @ 3360.50usft
Well:	No. 203H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	MWD	**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)
15,080.00	88.60	357.60	12,688.78	2,677.33	2,676.37	-122.02	2,679.15	357.39	412,551.37	829,489.98
15,175.00	90.70	358.20	12,689.36	2,772.28	2,771.29	-125.50	2,774.13	357.41	412,646.29	829,486.50
15,270.00	90.40	358.30	12,688.45	2,867.26	2,866.25	-128.41	2,869.12	357.43	412,741.25	829,483.59
15,364.00	89.60	358.10	12,688.45	2,961.23	2,960.20	-131.36	2,963.11	357.46	412,835.20	829,480.64
15,458.00	92.60	358.20	12,686.64	3,055.18	3,054.12	-134.39	3,057.08	357.48	412,929.12	829,477.61
15,553.00	90.50	359.00	12,684.07	3,150.12	3,149.05	-136.71	3,152.02	357.51	413,024.05	829,475.29
15,647.00	90.40	359.20	12,683.33	3,244.12	3,243.04	-138.19	3,245.98	357.56	413,118.04	829,473.81
15,742.00	89.30	359.30	12,683.58	3,339.12	3,338.03	-139.43	3,340.94	357.61	413,213.03	829,472.57
15,837.00	90.80	1.40	12,683.50	3,434.10	3,433.02	-138.85	3,435.82	357.68	413,308.02	829,473.15
15,931.00	89.20	2.10	12,683.50	3,528.02	3,526.97	-135.98	3,529.59	357.79	413,401.97	829,476.02
16,026.00	89.50	2.80	12,684.58	3,622.89	3,621.88	-131.92	3,624.28	357.91	413,496.88	829,480.08
16,120.00	90.30	3.80	12,684.74	3,716.68	3,715.72	-126.51	3,717.87	358.05	413,590.72	829,485.49
16,213.00	90.90	4.10	12,683.77	3,809.39	3,808.49	-120.10	3,810.39	358.19	413,683.49	829,491.90
16,308.00	86.50	1.10	12,685.92	3,904.20	3,903.34	-115.79	3,905.05	358.30	413,778.34	829,496.21
16,402.00	86.10	0.90	12,691.99	3,997.97	3,997.12	-114.16	3,998.75	358.36	413,872.12	829,497.84
16,497.00	85.60	1.20	12,698.86	4,092.68	4,091.86	-112.42	4,093.40	358.43	413,966.86	829,499.58
16,592.00	83.90	1.10	12,707.56	4,187.24	4,186.44	-110.52	4,187.90	358.49	414,061.44	829,501.48
16,686.00	86.30	358.80	12,715.59	4,280.88	4,280.08	-110.61	4,281.51	358.52	414,155.08	829,501.39
16,781.00	89.90	359.10	12,718.74	4,375.81	4,375.00	-112.35	4,376.44	358.53	414,250.00	829,499.65
16,877.00	90.20	357.40	12,718.65	4,471.78	4,470.95	-115.28	4,472.44	358.52	414,345.95	829,496.72
16,971.00	90.10	357.20	12,718.41	4,565.72	4,564.84	-119.71	4,566.41	358.50	414,439.84	829,492.29
17,066.00	90.80	357.70	12,717.66	4,660.65	4,659.75	-123.93	4,661.39	358.48	414,534.75	829,488.07
17,161.00	92.50	358.20	12,714.92	4,755.57	4,754.64	-127.33	4,756.35	358.47	414,629.64	829,484.67
17,256.00	92.20	357.80	12,711.03	4,850.46	4,849.50	-130.64	4,851.26	358.46	414,724.50	829,481.36
17,351.00	91.90	356.80	12,707.63	4,945.33	4,944.34	-135.11	4,946.18	358.43	414,819.34	829,476.89
17,438.00	88.50	356.00	12,707.33	5,032.19	5,031.15	-140.58	5,033.11	358.40	414,906.15	829,471.42

Last Survey: 17438' MD

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Project:	Lea County, NM (NAD83)	**TVD Reference:**	Well @ 3360.50usft
Site:	Biggers Fed Com	**MD Reference:**	Well @ 3360.50usft
Well:	No. 203H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	MWD	**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)
17,500.00	88.50	356.00	12,708.95	5,094.05	5,092.98	-144.90	5,095.04	358.37	414,967.98	829,467.10

PTB: 17500' MD

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
162.00	161.99	-0.77	-1.01	Pro MWD First Survey: 162' MD
17,438.00	12,707.33	5,031.15	-140.58	Last Survey: 17438' MD
17,500.00	12,708.95	5,092.98	-144.90	PTB: 17500' MD