

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-44484	² Pool Code 17980	³ Pool Name DOGIE DRAW;WOLFCAMP
⁴ Property Code 320788	⁵ Property Name BIGGERS FED	⁶ Well Number 215H
⁷ OGRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 3354'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	18	25-S	35-E	-	353'	SOUTH	523'	WEST	LEA

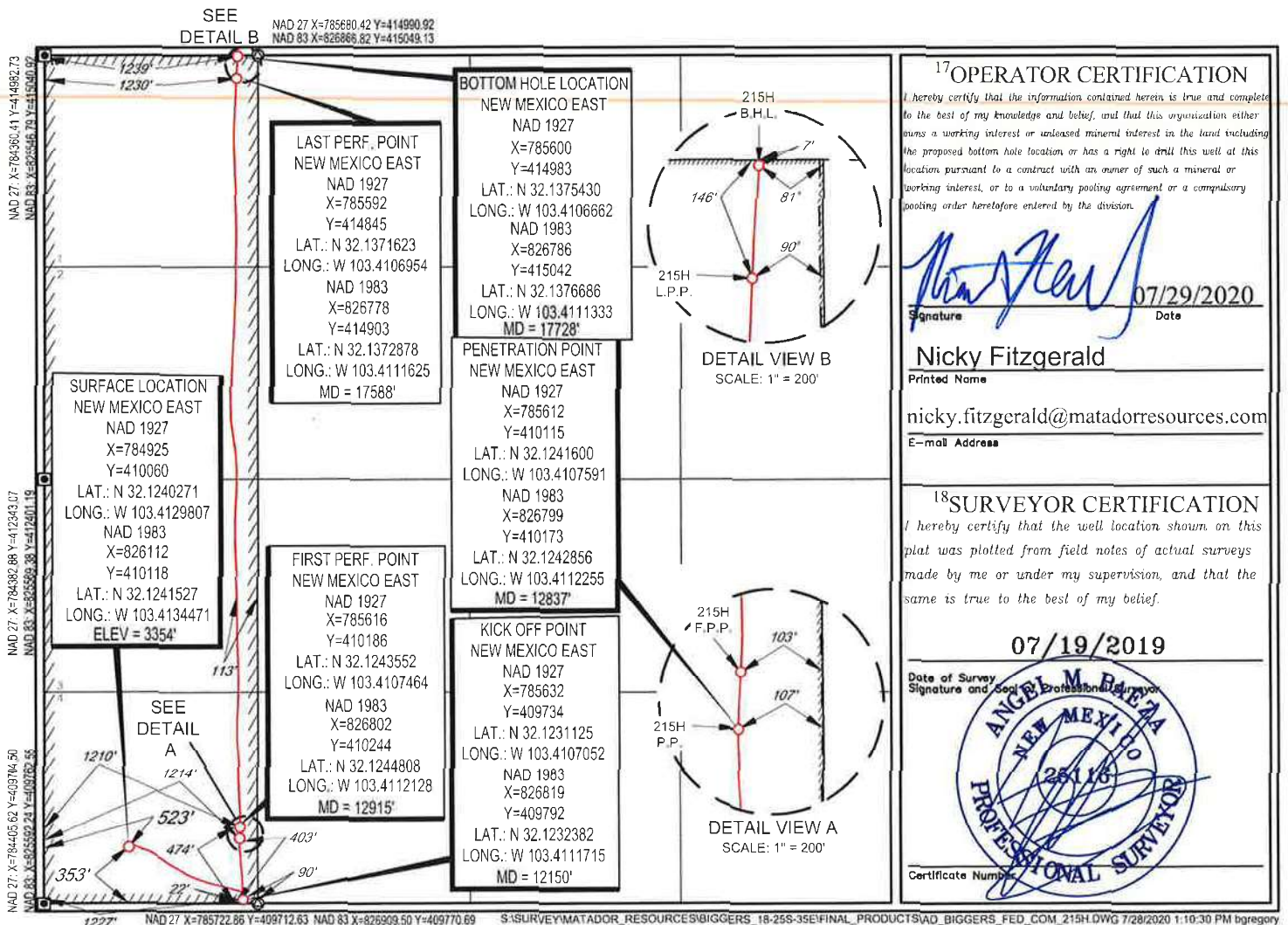
¹¹Bottom Hole Location If Different From Surface

NSL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	18	25-S	35-E	-	7'	NORTH	1239'	WEST	LEA

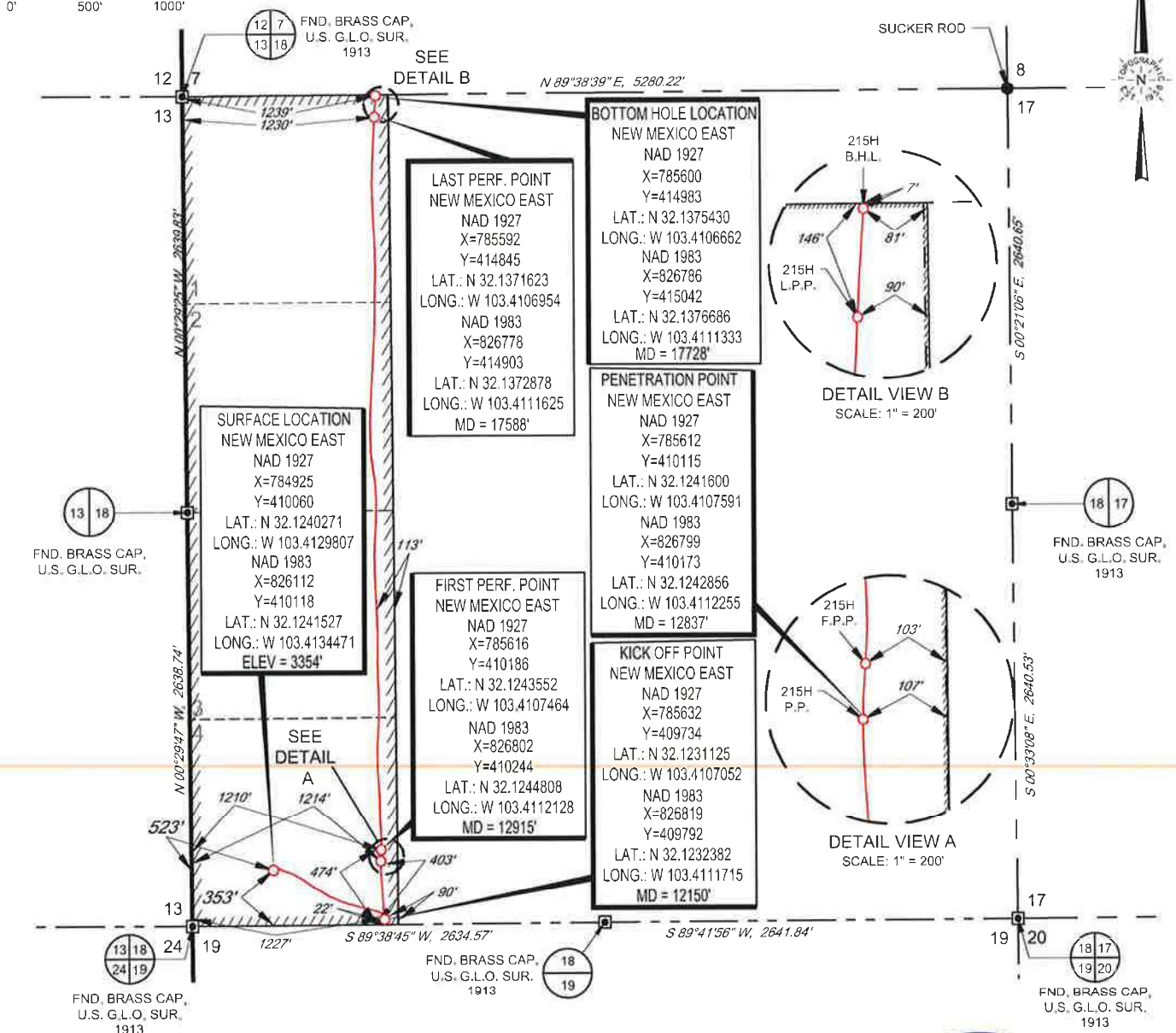
¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



SCALE: 1" = 1000'

SECTION 18, TOWNSHIP 25-S, RANGE 35-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



Angel M. Baeza, P.S. No. 25116
JULY 27, 2020

BIGGERS FED 215H AS-COMPLETED	REVISION:		NOTES:
	INT	DATE	
DATE: 07/27/20			1. ORIGINAL DOCUMENT SIZE: 8.5" X 11" 2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. 3. THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.
FILE:AD_BIGGERS_FED_COM_215H			
DRAWN BY: H.B.			
SHEET: 1 OF 1			



Final MWD Survey Certification

Lea County, NM

Client: Matador Resources

Well Name: Biggers Federal #215H

Total Job No: SW-200114

API No: 30-025-44484

Start Date: 2/22/2020

End Date: 3/14/2020

Measured Start Depth: 0'

Measured End Depth: 17728'

Vertical Section from well center at PTB: 4969.10'

I, Cassidy Capson, certify that; I am employed by Total Directional Services, LLC and we conducted or supervised the taking of these open hole MWD surveys at the request of this client. This data is true, correct, complete and within the limitations of the tool as set forth by Total Directional Services, LLC. I am authorized and qualified to make this report and have reviewed this report and find that it conforms to the principals and procedures as set forth by Total Directional Services, LLC.

Date: 3/14/2020

Signed:

Cassidy Capson



Matador Resources Company

Lea County, NM (NAD27)

Biggers Fed

Biggers Fed 215H

OH

Design: FINAL

Standard Survey Report

06 April, 2020





Survey Report



Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Biggers Fed 215H
Project:	Lea County, NM (NAD27)	TVD Reference:	3354' GE + 28.5' KB @ 3382.5usft
Site:	Biggers Fed	MD Reference:	3354' GE + 28.5' KB @ 3382.5usft
Well:	Biggers Fed 215H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	EDM 5000.15 Single User Db

Project	Lea County, NM (NAD27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Biggers Fed				
Site Position:		Northing:	410,108.00 usft	Latitude:	32° 7' 26.834 N
From:	Map	Easting:	786,514.00 usft	Longitude:	103° 24' 28.251 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.49 °

Well	Biggers Fed 215H					
Well Position	+N/-S	0.0 usft	Northing:	410,060.00 usft	Latitude:	32° 7' 26.494 N
	+E/-W	0.0 usft	Easting:	784,925.00 usft	Longitude:	103° 24' 46.732 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,354.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/13/2020	6.59	59.96	47,631.07382881

Design	FINAL				
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	7.80	

Survey Program	Date	4/6/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
171.0	17,728.0	Survey #1 (OH)	MWD+HRGM	OWSG MWD + HRGM	

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
SHL (Biggers Fed 215H)									
171.0	0.20	316.60	171.0	0.2	-0.2	0.2	0.12	0.12	0.00
323.0	0.30	356.70	323.0	0.8	-0.4	0.7	0.13	0.07	26.38
385.0	0.40	1.40	385.0	1.2	-0.4	1.1	0.17	0.16	7.58
567.0	0.80	22.50	567.0	3.0	0.1	3.0	0.25	0.22	11.59
657.0	0.90	19.20	657.0	4.2	0.6	4.3	0.12	0.11	-3.67
748.0	1.00	17.40	748.0	5.7	1.0	5.8	0.11	0.11	-1.98
838.0	1.10	9.60	837.9	7.3	1.4	7.4	0.19	0.11	-8.67
928.0	1.00	10.10	927.9	8.9	1.7	9.0	0.11	-0.11	0.56
1,045.0	0.90	8.60	1,044.9	10.8	2.0	11.0	0.09	-0.09	-1.28



Survey Report



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Site:	Biggers Fed	MD Reference:	3354' GE + 28.5' KB @ 3382.5usft
Well:	Biggers Fed 215H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	EDM 5000.15 Single User Db

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)
1,136.0	0.60	33.50	1,135.9	11.9	2.4	12.1	0.48	-0.33	27.36
1,226.0	0.70	68.50	1,225.9	12.5	3.2	12.8	0.45	0.11	38.89
1,316.0	1.00	34.50	1,315.9	13.4	4.1	13.8	0.64	0.33	-37.78
1,406.0	1.00	28.90	1,405.9	14.7	4.9	15.2	0.11	0.00	-6.22
1,500.0	1.00	24.00	1,499.9	16.2	5.7	16.8	0.09	0.00	-5.21
1,593.0	0.90	16.60	1,592.9	17.6	6.2	18.3	0.17	-0.11	-7.96
1,687.0	0.80	9.90	1,686.8	19.0	6.5	19.7	0.15	-0.11	-7.13
1,780.0	0.80	2.70	1,779.8	20.2	6.7	21.0	0.11	0.00	-7.74
1,874.0	0.80	4.70	1,873.8	21.6	6.8	22.3	0.03	0.00	2.13
1,967.0	0.80	358.90	1,966.8	22.9	6.8	23.6	0.09	0.00	-6.24
2,061.0	0.20	153.10	2,060.8	23.4	6.9	24.1	1.05	-0.64	164.04
2,154.0	0.80	168.60	2,153.8	22.6	7.1	23.3	0.66	0.65	16.67
2,248.0	0.70	163.50	2,247.8	21.4	7.3	22.2	0.13	-0.11	-5.43
2,341.0	0.60	149.40	2,340.8	20.4	7.8	21.3	0.20	-0.11	-15.16
2,435.0	0.50	137.20	2,434.8	19.7	8.3	20.6	0.16	-0.11	-12.98
2,528.0	1.50	113.20	2,527.8	18.9	9.7	20.1	1.14	1.08	-25.81
2,622.0	3.30	112.60	2,621.7	17.4	13.3	19.0	1.92	1.91	-0.64
2,715.0	4.10	112.30	2,714.5	15.1	18.9	17.5	0.86	0.86	-0.32
2,809.0	4.20	109.90	2,808.3	12.7	25.2	16.0	0.21	0.11	-2.55
2,902.0	4.50	110.80	2,901.0	10.2	31.8	14.4	0.33	0.32	0.97
2,996.0	6.50	112.90	2,994.5	6.8	40.2	12.2	2.14	2.13	2.23
3,090.0	6.90	113.30	3,087.9	2.5	50.3	9.3	0.43	0.43	0.43
3,183.0	7.30	112.40	3,180.2	-1.9	60.8	6.3	0.45	0.43	-0.97
3,277.0	7.70	110.90	3,273.4	-6.5	72.3	3.4	0.47	0.43	-1.60
3,371.0	7.90	110.70	3,366.5	-11.0	84.2	0.5	0.21	0.21	-0.21
3,464.0	8.50	108.80	3,458.6	-15.5	96.7	-2.2	0.71	0.65	-2.04
3,558.0	8.70	106.80	3,551.5	-19.8	110.0	-4.6	0.38	0.21	-2.13
3,652.0	8.60	113.80	3,644.4	-24.7	123.3	-7.7	1.12	-0.11	7.45
3,745.0	8.70	117.20	3,736.4	-30.7	135.9	-11.9	0.56	0.11	3.66
3,838.0	8.60	116.20	3,828.3	-37.0	148.4	-16.5	0.19	-0.11	-1.08
3,932.0	7.10	121.20	3,921.4	-43.1	159.7	-21.0	1.75	-1.60	5.32
4,025.0	7.10	121.60	4,013.7	-49.1	169.5	-25.6	0.05	0.00	0.43
4,118.0	7.10	121.20	4,106.0	-55.0	179.3	-30.2	0.05	0.00	-0.43
4,211.0	7.30	122.40	4,198.3	-61.2	189.2	-35.0	0.27	0.22	1.29
4,305.0	7.30	123.20	4,291.5	-67.7	199.2	-40.0	0.11	0.00	0.85
4,398.0	7.10	124.40	4,383.8	-74.1	208.9	-45.1	0.27	-0.22	1.29
4,492.0	7.00	127.70	4,477.1	-80.9	218.2	-50.6	0.44	-0.11	3.51
4,585.0	7.00	128.60	4,569.4	-87.9	227.2	-56.3	0.12	0.00	0.97
4,679.0	8.10	123.00	4,662.6	-95.1	237.2	-62.0	1.41	1.17	-5.96
4,772.0	8.80	121.30	4,754.6	-102.4	248.8	-67.7	0.80	0.75	-1.83
4,865.0	9.20	120.40	4,846.4	-109.8	261.3	-73.4	0.46	0.43	-0.97
4,959.0	9.10	119.80	4,939.2	-117.3	274.2	-79.0	0.15	-0.11	-0.64
5,053.0	9.40	120.40	5,032.0	-124.9	287.3	-84.8	0.34	0.32	0.64



Survey Report

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Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Biggers Fed 215H
Project:	Lea County, NM (NAD27)	TVD Reference:	3354' GE + 28.5' KB @ 3382.5usft
Site:	Biggers Fed	MD Reference:	3354' GE + 28.5' KB @ 3382.5usft
Well:	Biggers Fed 215H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	EDM 5000.15 Single User Db

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)	
5,146.0	8.80	120.60	5,123.8	-132.4	299.9	-90.5	0.65	-0.65	0.22	
5,239.0	8.80	120.60	5,215.7	-139.6	312.2	-96.0	0.00	0.00	0.00	
5,333.0	8.10	121.50	5,308.7	-146.7	324.0	-101.4	0.76	-0.74	0.96	
5,426.0	7.90	123.70	5,400.8	-153.7	334.9	-106.8	0.39	-0.22	2.37	
5,520.0	7.30	124.80	5,494.0	-160.7	345.2	-112.4	0.66	-0.64	1.17	
5,613.0	7.60	117.70	5,586.2	-166.9	355.5	-117.1	1.04	0.32	-7.63	
5,706.0	8.10	113.50	5,678.3	-172.4	366.9	-121.0	0.82	0.54	-4.52	
5,800.0	8.20	113.50	5,771.4	-177.7	379.2	-124.6	0.11	0.11	0.00	
5,894.0	8.40	113.20	5,864.4	-183.1	391.6	-128.3	0.22	0.21	-0.32	
5,988.0	8.40	112.80	5,957.4	-188.5	404.3	-131.9	0.06	0.00	-0.43	
6,081.0	8.40	112.30	6,049.4	-193.7	416.8	-135.3	0.08	0.00	-0.54	
6,175.0	8.70	111.80	6,142.3	-198.9	429.8	-138.8	0.33	0.32	-0.53	
6,269.0	8.90	110.50	6,235.2	-204.1	443.2	-142.1	0.30	0.21	-1.38	
6,362.0	8.70	109.00	6,327.1	-208.9	456.6	-145.0	0.33	-0.22	-1.61	
6,455.0	8.50	107.30	6,419.1	-213.2	469.8	-147.5	0.35	-0.22	-1.83	
6,549.0	8.50	106.40	6,512.1	-217.3	483.1	-149.7	0.14	0.00	-0.96	
6,642.0	8.60	105.40	6,604.0	-221.1	496.4	-151.7	0.19	0.11	-1.08	
6,736.0	8.80	105.20	6,696.9	-224.8	510.1	-153.5	0.22	0.21	-0.21	
6,830.0	8.80	104.10	6,789.8	-228.4	524.0	-155.2	0.18	0.00	-1.17	
6,923.0	9.00	104.40	6,881.7	-232.0	537.9	-156.8	0.22	0.22	0.32	
7,017.0	8.90	104.50	6,974.6	-235.6	552.1	-158.5	0.11	-0.11	0.11	
7,110.0	9.10	103.50	7,066.4	-239.2	566.2	-160.1	0.27	0.22	-1.08	
7,204.0	8.30	105.10	7,159.3	-242.7	580.0	-161.7	0.89	-0.85	1.70	
7,297.0	7.80	105.20	7,251.4	-246.1	592.6	-163.4	0.54	-0.54	0.11	
7,390.0	7.70	104.10	7,343.6	-249.2	604.7	-164.9	0.19	-0.11	-1.18	
7,484.0	7.70	104.60	7,436.7	-252.4	616.9	-166.3	0.07	0.00	0.53	
7,577.0	7.60	104.20	7,528.9	-255.4	628.9	-167.7	0.12	-0.11	-0.43	
7,671.0	7.50	104.90	7,622.1	-258.5	640.9	-169.2	0.14	-0.11	0.74	
7,764.0	7.00	105.90	7,714.3	-261.6	652.2	-170.7	0.55	-0.54	1.08	
7,857.0	7.00	105.80	7,806.7	-264.7	663.1	-172.3	0.01	0.00	-0.11	
7,950.0	6.90	106.40	7,899.0	-267.9	673.9	-173.9	0.13	-0.11	0.65	
8,043.0	5.80	111.40	7,991.4	-271.2	683.6	-175.9	1.32	-1.18	5.38	
8,136.0	5.10	114.70	8,084.0	-274.6	691.8	-178.2	0.82	-0.75	3.55	
8,230.0	4.80	115.50	8,177.6	-278.0	699.1	-180.6	0.33	-0.32	0.85	
8,323.0	3.80	121.10	8,270.4	-281.3	705.2	-183.0	1.16	-1.08	6.02	
8,417.0	3.20	125.50	8,364.2	-284.4	710.0	-185.5	0.70	-0.64	4.68	
8,510.0	3.00	124.80	8,457.1	-287.3	714.2	-187.8	0.22	-0.22	-0.75	
8,604.0	2.30	133.90	8,551.0	-290.0	717.5	-190.0	0.87	-0.74	9.68	
8,697.0	2.10	140.40	8,643.9	-292.7	720.0	-192.3	0.34	-0.22	6.99	
8,791.0	1.90	140.80	8,737.8	-295.2	722.1	-194.5	0.21	-0.21	0.43	
8,884.0	1.70	140.80	8,830.8	-297.4	723.9	-196.5	0.22	-0.22	0.00	
8,977.0	1.60	141.60	8,923.7	-299.5	725.6	-198.3	0.11	-0.11	0.86	
9,071.0	1.40	142.10	9,017.7	-301.5	727.1	-200.0	0.21	-0.21	0.53	



Survey Report



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Well:	Biggers Fed 215H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	EDM 5000.15 Single User Db

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)
9,164.0	1.20	141.30	9,110.7	-303.1	728.4	-201.5	0.22	-0.22	-0.86
9,258.0	1.00	146.50	9,204.7	-304.6	729.5	-202.8	0.24	-0.21	5.53
9,352.0	0.80	142.40	9,298.7	-305.8	730.3	-203.9	0.22	-0.21	-4.36
9,445.0	0.50	140.50	9,391.7	-306.6	731.0	-204.6	0.32	-0.32	-2.04
9,534.0	0.30	133.90	9,480.6	-307.1	731.4	-205.0	0.23	-0.22	-7.42
9,632.0	0.30	170.50	9,578.6	-307.5	731.6	-205.4	0.19	0.00	37.35
9,726.0	0.40	180.10	9,672.6	-308.1	731.7	-205.9	0.12	0.11	10.21
9,821.0	0.50	205.40	9,767.6	-308.8	731.5	-206.7	0.23	0.11	26.63
9,915.0	0.70	217.90	9,861.6	-309.6	731.0	-207.6	0.25	0.21	13.30
10,008.0	1.00	224.10	9,954.6	-310.6	730.0	-208.7	0.34	0.32	6.67
10,102.0	1.20	230.50	10,048.6	-311.8	728.7	-210.1	0.25	0.21	6.81
10,195.0	1.60	231.70	10,141.6	-313.3	726.9	-211.7	0.43	0.43	1.29
10,289.0	2.00	233.80	10,235.5	-315.1	724.6	-213.8	0.43	0.43	2.23
10,382.0	0.30	358.30	10,328.5	-315.8	723.3	-214.7	2.35	-1.83	133.87
10,476.0	1.00	15.10	10,422.5	-314.7	723.5	-213.7	0.76	0.74	17.87
10,569.0	1.30	286.40	10,515.5	-313.7	722.7	-212.7	1.74	0.32	-95.38
10,663.0	1.50	293.50	10,609.5	-312.9	720.5	-212.2	0.28	0.21	7.55
10,756.0	1.20	280.50	10,702.4	-312.2	718.5	-211.8	0.46	-0.32	-13.98
10,850.0	1.60	273.60	10,796.4	-311.9	716.2	-211.9	0.46	0.43	-7.34
10,944.0	1.90	270.70	10,890.4	-311.8	713.3	-212.2	0.33	0.32	-3.09
11,037.0	1.80	276.70	10,983.3	-311.6	710.3	-212.4	0.23	-0.11	6.45
11,131.0	1.60	271.70	11,077.3	-311.4	707.5	-212.5	0.26	-0.21	-5.32
11,224.0	1.90	258.40	11,170.2	-311.7	704.7	-213.2	0.54	0.32	-14.30
11,318.0	2.00	231.40	11,264.2	-313.0	701.9	-214.9	0.97	0.11	-28.72
11,411.0	0.50	165.90	11,357.2	-314.4	700.8	-216.5	1.99	-1.61	-70.43
11,504.0	0.90	145.10	11,450.2	-315.4	701.3	-217.4	0.50	0.43	-22.37
11,598.0	1.60	148.00	11,544.1	-317.2	702.4	-218.9	0.75	0.74	3.09
11,691.0	1.80	142.40	11,637.1	-319.4	704.0	-220.9	0.28	0.22	-6.02
11,785.0	1.70	149.50	11,731.1	-321.8	705.6	-223.1	0.25	-0.11	7.55
11,878.0	1.50	164.20	11,824.0	-324.1	706.6	-225.3	0.49	-0.22	15.81
11,972.0	1.10	166.10	11,918.0	-326.2	707.2	-227.2	0.43	-0.43	2.02
12,035.0	0.70	188.50	11,981.0	-327.2	707.2	-228.2	0.83	-0.63	35.56
12,165.0	1.20	10.20	12,111.0	-326.6	707.4	-227.6	1.46	0.38	-137.15
12,212.0	5.50	2.70	12,157.9	-323.9	707.6	-224.9	9.18	9.15	-15.96
12,258.0	12.00	356.60	12,203.3	-316.9	707.4	-218.0	14.25	14.13	-13.26
12,305.0	19.40	354.90	12,248.5	-304.2	706.4	-205.6	15.77	15.74	-3.62
12,352.0	25.80	357.00	12,291.9	-286.2	705.2	-187.9	13.72	13.62	4.47
12,399.0	29.20	357.40	12,333.6	-264.6	704.1	-166.6	7.24	7.23	0.85
12,446.0	32.60	357.70	12,373.9	-240.4	703.1	-142.8	7.24	7.23	0.64
12,493.0	35.60	358.80	12,412.8	-214.1	702.3	-116.8	6.52	6.38	2.34
12,540.0	41.00	357.10	12,449.7	-185.0	701.2	-88.2	11.71	11.49	-3.62
12,587.0	46.20	355.60	12,483.7	-152.7	699.1	-56.4	11.28	11.06	-3.19
12,633.0	50.60	356.00	12,514.3	-118.4	696.6	-22.8	9.59	9.57	0.87
12,680.0	54.40	355.50	12,542.9	-81.2	693.9	13.7	8.13	8.09	-1.06



Survey Report



Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Biggers Fed 215H
Project:	Lea County, NM (NAD27)	TVD Reference:	3354' GE + 28.5' KB @ 3382.5usft
Site:	Biggers Fed	MD Reference:	3354' GE + 28.5' KB @ 3382.5usft
Well:	Biggers Fed 215H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	EDM 5000.15 Single User Db

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)
12,728.0	57.80	355.90	12,569.6	-41.5	690.9	52.6	7.12	7.08	0.83
12,775.0	60.20	357.00	12,593.8	-1.3	688.4	92.1	5.49	5.11	2.34
12,821.0	64.80	359.40	12,615.1	39.5	687.1	132.4	11.02	10.00	5.22
12,868.0	65.50	2.70	12,634.8	82.1	687.9	174.7	6.54	1.49	7.02
12,915.0	68.40	4.70	12,653.2	125.3	690.7	217.8	7.31	6.17	4.26
12,962.0	72.50	1.20	12,669.0	169.5	693.0	262.0	11.19	8.72	-7.45
13,009.0	76.90	357.00	12,681.4	214.8	692.2	306.7	12.72	9.36	-8.94
13,056.0	82.00	356.90	12,690.0	260.9	689.8	352.1	10.85	10.85	-0.21
13,068.2	83.04	356.82	12,691.6	273.0	689.1	364.0	8.53	8.51	-0.64
LP (Biggers Fed 215H)									
13,103.0	86.00	356.60	12,694.9	307.6	687.1	398.0	8.53	8.51	-0.64
13,196.0	88.90	358.50	12,699.0	400.4	683.2	489.4	3.73	3.12	2.04
13,291.0	91.50	359.10	12,698.7	495.4	681.2	583.2	2.81	2.74	0.63
13,385.0	87.60	353.80	12,699.4	589.1	675.4	675.3	7.00	-4.15	-5.64
13,478.0	90.90	358.60	12,700.6	681.9	669.2	766.4	6.26	3.55	5.16
13,572.0	92.20	2.10	12,698.1	775.8	669.8	859.5	3.97	1.38	3.72
13,667.0	89.50	4.00	12,696.7	870.7	674.8	954.2	3.48	-2.84	2.00
13,761.0	92.80	1.20	12,694.8	964.5	679.1	1,047.7	4.60	3.51	-2.98
13,854.0	93.60	359.10	12,689.6	1,057.4	679.3	1,139.8	2.41	0.86	-2.26
13,948.0	91.60	359.10	12,685.4	1,151.3	677.9	1,232.6	2.13	-2.13	0.00
14,043.0	92.10	358.30	12,682.3	1,246.2	675.7	1,326.3	0.99	0.53	-0.84
14,137.0	88.30	358.70	12,682.0	1,340.1	673.2	1,419.1	4.06	-4.04	0.43
14,231.0	91.90	0.70	12,681.8	1,434.1	672.7	1,512.1	4.38	3.83	2.13
14,325.0	88.50	359.70	12,681.5	1,528.1	673.1	1,605.3	3.77	-3.62	-1.06
14,420.0	85.00	357.10	12,686.8	1,622.9	670.4	1,698.8	4.59	-3.68	-2.74
14,515.0	85.20	356.20	12,695.0	1,717.4	664.9	1,791.7	0.97	0.21	-0.95
14,610.0	91.30	358.00	12,697.9	1,812.2	660.1	1,885.0	6.69	6.42	1.89
14,704.0	94.20	357.80	12,693.4	1,906.0	656.7	1,977.5	3.09	3.09	-0.21
14,799.0	92.90	1.00	12,687.5	2,000.8	655.7	2,071.2	3.63	-1.37	3.37
14,894.0	91.00	3.50	12,684.2	2,095.6	659.4	2,165.7	3.30	-2.00	2.63
14,989.0	89.60	3.80	12,683.7	2,190.4	665.4	2,260.5	1.51	-1.47	0.32
15,084.0	88.30	0.20	12,685.5	2,285.3	668.8	2,355.0	4.03	-1.37	-3.79
15,179.0	87.90	358.50	12,688.6	2,380.3	667.7	2,448.9	1.84	-0.42	-1.79
15,274.0	91.50	353.60	12,689.1	2,475.0	661.1	2,541.8	6.40	3.79	-5.16
15,368.0	88.10	348.30	12,689.5	2,567.8	646.4	2,631.8	6.70	-3.62	-5.64
15,463.0	93.20	357.80	12,688.4	2,662.0	634.9	2,723.5	11.35	5.37	10.00
15,558.0	95.00	358.80	12,681.6	2,756.7	632.1	2,816.9	2.17	1.89	1.05
15,653.0	90.40	0.50	12,677.1	2,851.5	631.5	2,910.8	5.16	-4.84	1.79
15,748.0	94.50	3.40	12,673.1	2,946.4	634.7	3,005.2	5.28	4.32	3.05
15,843.0	85.90	2.40	12,672.7	3,041.1	639.5	3,099.8	9.11	-9.05	-1.05
15,938.0	86.10	3.50	12,679.3	3,135.8	644.4	3,194.2	1.17	0.21	1.16
16,033.0	86.90	3.30	12,685.1	3,230.4	650.0	3,288.8	0.87	0.84	-0.21
16,127.0	87.20	3.70	12,690.0	3,324.1	655.8	3,382.4	0.53	0.32	0.43



Survey Report



Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Biggers Fed 215H
Project:	Lea County, NM (NAD27)	TVD Reference:	3354' GE + 28.5' KB @ 3382.5usft
Site:	Biggers Fed	MD Reference:	3354' GE + 28.5' KB @ 3382.5usft
Well:	Biggers Fed 215H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	EDM 5000.15 Single User Db

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)	
16,222.0	88.10	2.10	12,693.9	3,418.9	660.6	3,476.9	1.93	0.95	-1.68	
16,317.0	86.50	359.80	12,698.4	3,513.8	662.1	3,571.2	2.95	-1.68	-2.42	
16,412.0	87.60	0.50	12,703.2	3,608.7	662.4	3,665.2	1.37	1.16	0.74	
16,506.0	91.60	2.40	12,703.9	3,702.6	664.8	3,758.6	4.71	4.26	2.02	
16,601.0	90.60	0.20	12,702.1	3,797.6	666.9	3,852.9	2.54	-1.05	-2.32	
16,696.0	91.40	358.90	12,700.4	3,892.6	666.2	3,946.9	1.61	0.84	-1.37	
16,790.0	89.40	358.20	12,699.8	3,986.5	663.8	4,039.7	2.25	-2.13	-0.74	
16,885.0	88.60	357.00	12,701.4	4,081.4	659.8	4,133.2	1.52	-0.84	-1.26	
16,980.0	89.20	357.00	12,703.2	4,176.3	654.8	4,226.5	0.63	0.63	0.00	
17,074.0	87.60	358.50	12,705.9	4,270.2	651.1	4,319.0	2.33	-1.70	1.60	
17,169.0	86.10	358.60	12,711.1	4,365.0	648.7	4,412.6	1.58	-1.58	0.11	
17,263.0	89.00	2.10	12,715.1	4,458.9	649.3	4,505.7	4.83	3.09	3.72	
17,358.0	88.90	3.30	12,716.8	4,553.7	653.8	4,600.3	1.27	-0.11	1.26	
17,452.0	91.10	3.70	12,716.8	4,647.6	659.5	4,694.1	2.38	2.34	0.43	
17,546.0	89.40	2.10	12,716.4	4,741.4	664.3	4,787.7	2.48	-1.81	-1.70	
17,641.0	89.60	3.50	12,717.3	4,836.3	668.9	4,882.3	1.49	0.21	1.47	
17,674.3	89.60	3.50	12,717.5	4,869.5	671.0	4,915.5	0.00	0.00	0.00	
PBHL (Biggers Fed 215H)										
17,678.0	89.60	3.50	12,717.5	4,873.2	671.2	4,919.2	0.00	0.00	0.00	
LAST SURVEY - 17678.0' MD										
17,728.0	89.60	3.50	12,717.9	4,923.1	674.2	4,969.1	0.00	0.00	0.00	
PTB - 17728.0' MD										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
17,678.0	12,717.5	4,873.2	671.2	LAST SURVEY - 17678.0' MD	
17,728.0	12,717.9	4,923.1	674.2	PTB - 17728.0' MD	

Checked By: _____	Approved By: _____	Date: _____
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