

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
NMNM136226

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.  
BIGGERS FED COM 203H

2. Name of Operator  
MATADOR PRODUCTION COMPANY  
Contact: TAMMY R LINK  
E-Mail: tlink@matadorresources.com

9. API Well No.  
30-025-44645-00-X1

3a. Address  
5400 LBJ FREEWAY SUITE 1500  
DALLAS, TX 75240

3b. Phone No. (include area code)  
Ph: 575-627-2465

10. Field and Pool or Exploratory Area  
DOGIE DRAW-DELAWARE

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 18 T25S R35E SESE 90FSL 1256FEL  
32.123402 N Lat, 103.402145 W Lon

11. County or Parish, State  
LEA COUNTY, NM

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Production Start-up
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

BLM BOND NO: NMB0001079  
Surety Bond No: RLB0015172

Production Sundry

9/26/2019 Pre Frac meetings, Pressure test stack to 12,500 psi, chart 5 minutes Good Test.  
9/27/2019 Perform Casing integrity test to 6,000 psi for 30 minutes dropped 91 psi Good Test.  
10/2/2019 Begin Frac State 1 f/17.402'- 12,690' on 10/16/2019.  
10/16/2019 Well shut-in until drill-out operations begin.  
10/19/2019 Function test motor @ surface @ 3.0 bpm @ 3,400 psi and again to 8,000 psi. Good test.  
Begin drill-out plugs 30-21, then drill-out 20-18 through 17-15.  
10/21/2019 Drill-out plugs 14-1, Well shut in until flow-back operations begin.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #503824 verified by the BLM Well Information System

For MATADOR PRODUCTION COMPANY, sent to the Hobbs

Committed to AFMSS for processing by PRISCILLA PEREZ on 02/20/2020 (20PP1362SE)

Name (Printed/Typed) TAMMY R LINK

Title PRODUCTION ANALYST

Signature (Electronic Submission)

Date 02/19/2020

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By **ACCEPTED**

JONATHON SHEPARD  
Title PETROELUM ENGINEER

Date 02/21/2020

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Hobbs

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

**Additional data for EC transaction #503824 that would not fit on the form**

**32. Additional remarks, continued**

10/26/2019 On well to flow-back on a 12/64" positive choke @ 23:00 hrs. Getting back water; no gas no oil. Total Acid 671 bbls, total clean fluid 277,475 bbls, total 100 Mesh 7,630,500 lbs, Total 40/70 Mesh 4,320,000 lbs, Total proppant 11,950,500 lbs.  
11/2/2019 Begin flowing well through separator @ 21:00 hrs. Gas to Frac Tank; oil to frac tank.  
11/14/2019 Start sending gas to sales @ 09:00 hrs. Flowing well, turned well to production @ 12:00 hrs. All production flowing to facility. Well off flowback.

Revisions to Operator-Submitted EC Data for Sundry Notice #503824

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	STARTUP SR	STARTUP SR
Lease:	NMNM136226	NMNM136226
Agreement:		
Operator:	MATADOR PRODUCTION COMPANY 5400 LBJ FREEWAY, SUITE 1500 DALLAS, TX 75440 Ph: 575-623-6601	MATADOR PRODUCTION COMPANY 5400 LBJ FREEWAY SUITE 1500 DALLAS, TX 75240 Ph: 972.371.5200
Admin Contact:	TAMMY R LINK PRODUCTION ANALYST E-Mail: tlink@matadorresources.com  Ph: 575-627-2465	TAMMY R LINK PRODUCTION ANALYST E-Mail: tlink@matadorresources.com  Ph: 575-627-2465
Tech Contact:	TAMMY R LINK PRODUCTION ANALYST E-Mail: tlink@matadorresources.com  Ph: 575-627-2465	TAMMY R LINK PRODUCTION ANALYST E-Mail: tlink@matadorresources.com  Ph: 575-627-2465
Location:		
State:	NM	NM
County:	LEA	LEA
Field/Pool:	WC-025 G-09 S243532M; WB	DOGIE DRAW-DELAWARE
Well/Facility:	BIGGERS FEDERAL 203H Sec 18 T25S R35E Mer NMP SESE 90FSL 1256FEL	BIGGERS FED COM 203H Sec 18 T25S R35E SESE 90FSL 1256FEL 32.123402 N Lat, 103.402145 W Lon



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

<sup>1</sup> API Number 30-025-44645	<sup>2</sup> Pool Code 98098	<sup>3</sup> Pool Name WC-025 G-09 S243532M; Wolfbone
<sup>4</sup> Property Code 320789	<sup>5</sup> Property Name BIGGERS FED COM	<sup>6</sup> Well Number 203H
<sup>7</sup> GRID No. 228937	<sup>8</sup> Operator Name MATADOR PRODUCTION COMPANY	<sup>9</sup> Elevation 3332'

<sup>10</sup>Surface Location

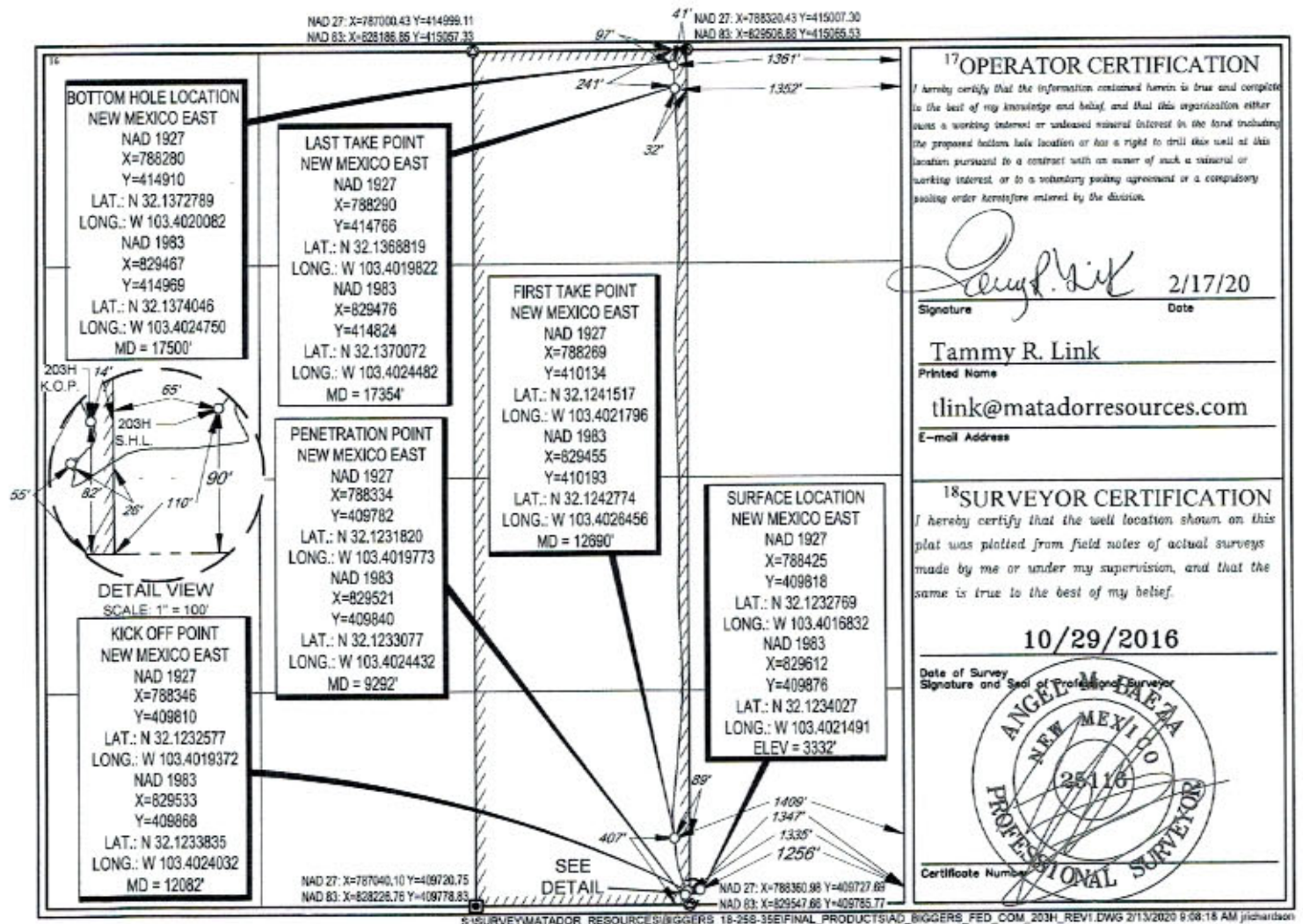
U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	18	25-S	35-E	-	90'	SOUTH	1256'	EAST	LEA

<sup>11</sup>Bottom Hole Location If Different From Surface

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	18	25-S	35-E	-	97'	NORTH	1361'	EAST	LEA

<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.











**Biggers Fed Com No. 203H**

**Lea County, NM**

**September 25, 2019**

**Job No. LNM5513219**

**Certified Report**



PRODIRECTIONAL

## Survey Certification Letter

September 25, 2019



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  
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  
Biggers Fed Com  
No. 203H  
OH

Survey: ProDirectional

## **Survey Report**

25 September, 2019







ProDirectional  
Survey Report



Company: Matador Resources

Project: Lea County, NM (NAD83)

Site: Biggers Fed Com

Well: No. 203H

Wellbore: OH

Design: MWD

Local Co-ordinate Reference:

TVD Reference: Well @ 3380.50usft

MD Reference: Well @ 3380.50usft

North Reference: Grid

Survey Calculation Method: Minimum Curvature

Database: WellPlanner1

Well No. 203H

Well @ 3380.50usft

Well @ 3380.50usft

Grid

Minimum Curvature

WellPlanner1

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

Site	Biggers Fed Com				
Site Position:					
From:	Map				
Position Uncertainty:	0.00 usft				
Northing:	409,875.00	usft	Latitude:	32.123401	
Easting:	829,612.00	usft	Longitude:	-103.402148	
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
	+E/-W	0.00 usft	Easting:	829,612.00	usft
Position Uncertainty	0.00 usft		Wellhead Elevation:	usft	
Latitude:	32.123401		Longitude:	-103.402148	
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	



ProDirectional  
Survey Report



Company: Matador Resources  
Project: Lea County, NM (NAD83)  
Site: Biggers Fed Com  
Well: No. 203H  
Wellbore: OH  
Design: MWD

Local Co-ordinate Reference: Well No. 203H  
TVD Reference: Well @ 3360.50usft  
MD Reference: Well @ 3360.50usft  
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	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	248.83	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





ProDirectional  
Survey Report



Company: Matador Resources  
Project: Lea County, NM (NAD83)  
Site: Biggers Fed Com  
Well: No. 203H  
Wellbore: OH  
Design: MWD

Local Co-ordinate Reference:  
TVD Reference: Well @ 3360.50usft  
MD Reference: Well @ 3360.50usft  
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)
2,501.00	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	-1.86	-1.88	-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	1.80	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



ProDirectional  
Survey Report



Company: Matador Resources  
Project: Lea County, NM (NAD83)  
Site: Biggers Fed Com  
Well: No. 203H  
Wellbore: OH  
Design: MWD

Local Co-ordinate Reference:  
TVD Reference: Well @ 3360.50usft  
MD Reference: Well @ 3360.50usft  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature  
Database: WellPlanner1

Well No. 203H

Well @ 3360.50usft

Well @ 3360.50usft

Grid

Minimum Curvature

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	829,563.87
	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	242.66	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	8.50	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	98.58	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





ProDirectional  
Survey Report



Company: Matador Resources  
Project: Lea County, NM (NAD83)  
Site: Biggers Fed Com  
Well: No. 203H  
Wellbore: OH  
Design: MWD

Local Co-ordinate Reference:  
TVD Reference: Well @ 3360.50usft  
MD Reference: Well @ 3360.50usft  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature  
Database: WellPlanner1

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	EW (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	-30.26	-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	-89.58	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



ProDirectional  
Survey Report



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Design: MWD

Local Co-ordinate Reference:  
TVD Reference: Well @ 3360.50usft  
MD Reference: Well @ 3360.50usft  
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)
	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	-85.84	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	-24.08	-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	-12.56	-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	-10.98	-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	263.89	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	71.08	-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





ProDirectional  
Survey Report



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Design: MWD

Local Co-ordinate Reference: Well No. 203H  
TVD Reference: Well @ 3360.50usft  
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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)	EW (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	12,586.41	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	341.48	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	351.86	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	89.80	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	-116.66	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



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)
	15,080.00	88.60	357.80	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	92.80	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	4,092.66	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											





ProDirectional  
Survey Report



Company: Matador Resources  
Project: Lea County, NM (NAD83)  
Site: Biggers Fed Com  
Well: No. 203H  
Wellbore: OH  
Design: MWD

Local Co-ordinate Reference:  
Well No. 203H  
TVD Reference: Well @ 3360.50usft  
MD Reference: Well @ 3360.50usft  
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)
17,500.00	88.50	356.00	12,706.95	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		Comment	
		+N/-S (usft)	+E/-W (usft)		
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	