

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240

DISTRICT II

811 S. First St., Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural ResourcesForm C-104
Revised August 1, 2011Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☒ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address MATADOR PRODUCTION COMPANY 5400 LBJ Freeway, Ste 1500 Dallas, TX 75240		² OGRID Number 228937
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 015-46566	⁵ Pool Name PURPLE SAGE;WOLFCAMP (GAS)	⁶ Pool Code 98220
⁷ Property Code 326329	⁸ Property Name BOROS FEDERAL	⁹ Well Number 217H

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
B	15	26S	31E		400'	North	2404'	East	Eddy

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	22	26S	31E		217'	South	1640'	East	Eddy

¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 9/9/2020	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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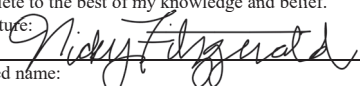
III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
372018	Longwood RB Pipeline, LLC 5400 LBJ Freeway, Ste. 1500 Dallas, TX 75240	G
214984	PLAINS MARKETING, L.P. 17304 PRESTON RD. STE 140, DALLAS, TX 75252	O
373401	CP Energy, LLC 317 Lilac Dr., Suite 200 Edmond, OK 73034	O

IV. Well Completion Data

²¹ Spud Date 1/23/2020	²² Ready Date 9/9/2020	²³ TD 22000' MD 11746' TVD	²⁴ PBT 21,877 MD 11745 TVD	²⁵ Perforations 11,836'- 21,757'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8"	1495'	1435		
12-1/4"	9-5/8"	4111'	1325		
8-3/4"	7-5/8"	11,654'	864		
6-3/4"	5-1/2"	21,972'	992		

V. Well Test Data

³¹ Date New Oil 9/9/2020	³² Gas Delivery Date 9/9/2020	³³ Test Date 9/17/2020	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 3525
³⁷ Choke Size 50/64	³⁸ Oil 2060	³⁹ Water 8614	⁴⁰ Gas 10478		⁴¹ Test Method F
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 			OIL CONSERVATION DIVISION		
Printed name: Nicky Fitzgerald			Approved by: KURT SIMMONS		
Title: Regulatory Analyst			Title: NMOCD, SANTA FE		
E-mail Address: nicky.fitzgerald@matadorresources.com			Approval Date: 08/03/2021		
Date: 10/29/2020	Phone: 972-371-5448				

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

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-46566	² Pool Code 98220	³ Pool Name PURPLE SAGE;WOLFCAMP (GAS)
⁴ Property Code 326329	⁵ Property Name BOROS FEDERAL	⁶ Well Number 217H
⁷ OGRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 3226'

¹⁰Surface Location

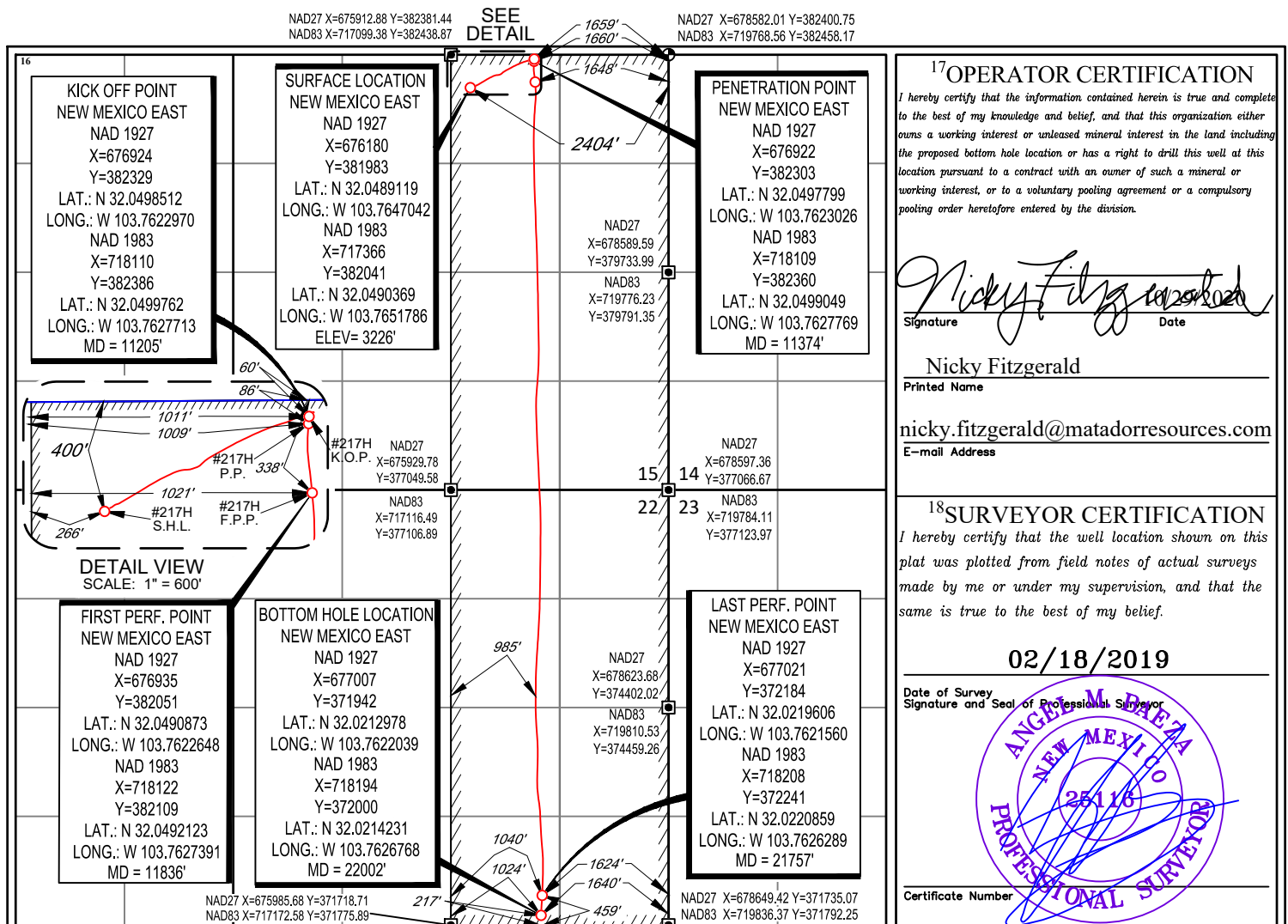
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	15	26-S	31-E	-	400'	NORTH	2404'	EAST	EDDY

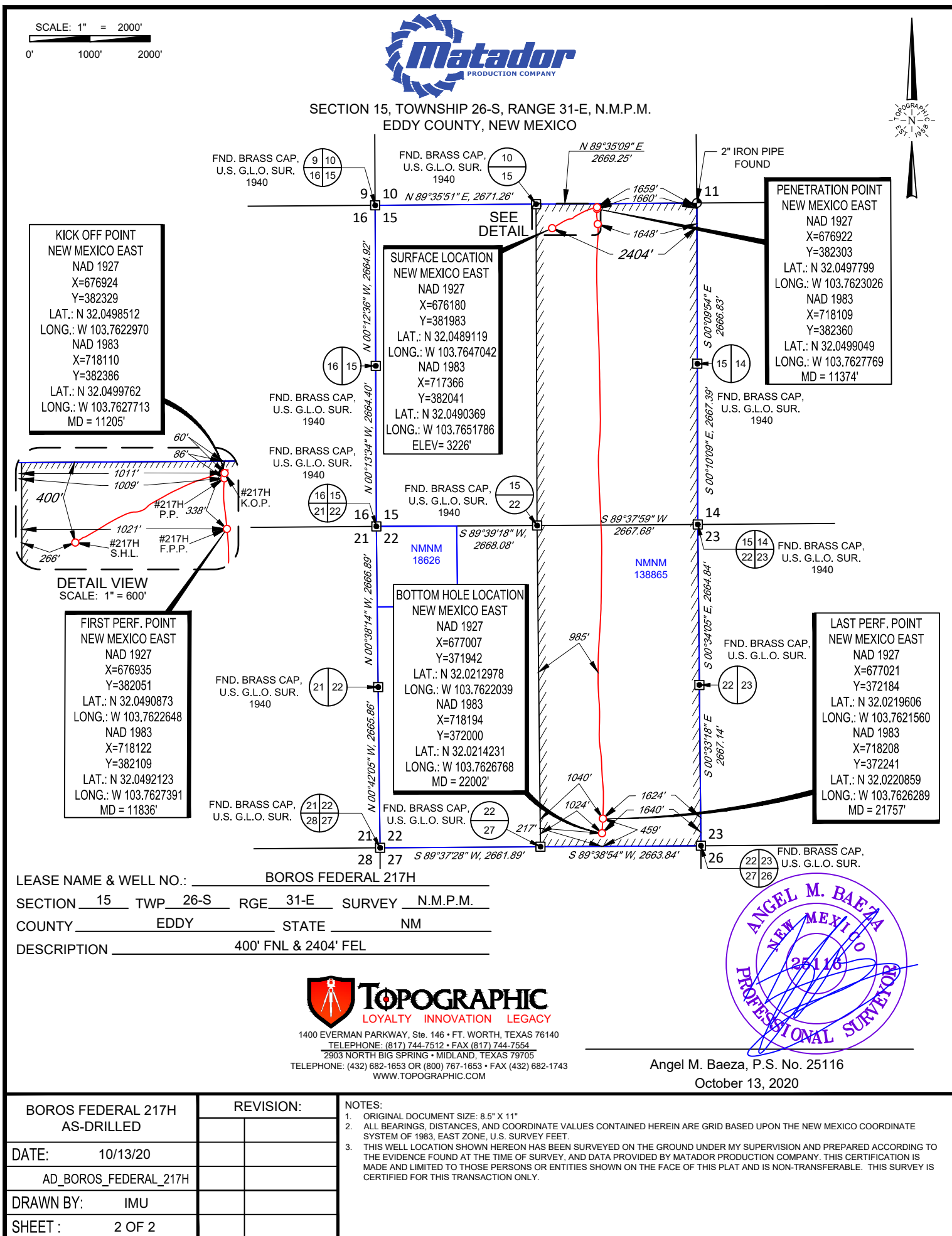
¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	22	26-S	31-E	-	217'	SOUTH	1640'	EAST	EDDY

¹² Dedicated Acres 640	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.







Boros Federal No. 217H

Eddy County, NM

May 08, 2020

Job No. LNM5102620

Certified Report



Survey Certification Letter

May 08, 2020



Operator Name: Matador Resources
Well Name: Boros Federal No. 217H
County/Parish: Eddy County,
State: NM
Rig Name: Patterson 810
Job Number: LNM5102620

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	156' MD – 21,939' MD	22,000' MD	01/23/20 – 04/26/20	MWD

Sincerely,

Mike Coats
Regulatory Specialist
Professional Directional

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



Matador Resources

Eddy County, NM
Boros Federal
No. 217H
OH

Survey: ProDirectional

Survey Report

08 May, 2020





ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 217H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 3254.50usft
Site:	Boros Federal	MD Reference:	Well @ 3254.50usft
Well:	No. 217H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD-156'-21939', PTB: 22000' MD	Database:	WellPlanner1

Project	Eddy 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	Boros Federal		
Site Position:		Northing:	382,041.00 usft
From:	Map	Easting:	717,336.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.049038
		Longitude:	-103.765276
		Grid Convergence:	0.30 °

Well		No. 217H				
Well Position	+N/-S	0.00 usft	Northing:	382,041.00 usft	Latitude:	32.049037
	+E/-W	0.00 usft	Easting:	717,366.00 usft	Longitude:	-103.765179
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,226.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	2/19/2020	6.58	59.63	47,665.30

Design	MWD-156'-21939', PTB: 22000' MD			
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	179.64

Survey Program	Date	5/8/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
156.00	22,000.00	Survey #1 (OH)	MWD+HDGM	OWSG MWD + HRGM



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD83)
Site: Boros Federal
Well: No. 217H
Wellbore: OH
Design: MWD-156'-21939', PTB: 22000' MD

Local Co-ordinate Reference: Well No. 217H
TVD Reference: Well @ 3254.50usft
MD Reference: Well @ 3254.50usft
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	382,041.00	717,366.00
156.00	0.40	19.60	156.00	-0.51	0.51	0.18	0.54	19.60	382,041.51	717,366.18
Pro MWD First Survey: 156' MD										
248.00	0.30	271.50	248.00	-0.82	0.82	0.05	0.82	3.46	382,041.82	717,366.05
340.00	0.80	45.80	340.00	-1.27	1.28	0.27	1.30	11.92	382,042.28	717,366.27
431.00	1.50	57.60	430.98	-2.35	2.36	1.73	2.92	36.28	382,043.36	717,367.73
523.00	2.60	56.10	522.92	-4.14	4.17	4.48	6.12	47.07	382,045.17	717,370.48
614.00	3.30	60.00	613.79	-6.57	6.63	8.46	10.75	51.93	382,047.63	717,374.46
705.00	3.50	64.00	704.63	-9.07	9.15	13.23	16.08	55.31	382,050.15	717,379.23
796.00	3.50	63.80	795.47	-11.48	11.60	18.21	21.59	57.51	382,052.60	717,384.21
887.00	3.50	62.60	886.30	-13.96	14.10	23.17	27.13	58.68	382,055.10	717,389.17
977.00	3.70	58.00	976.12	-16.73	16.91	28.07	32.77	58.94	382,057.91	717,394.07
1,071.00	4.30	48.80	1,069.89	-20.62	20.83	33.30	39.28	57.97	382,061.83	717,399.30
1,166.00	3.20	58.80	1,164.69	-24.31	24.55	38.25	45.45	57.30	382,065.55	717,404.25
1,261.00	3.00	78.30	1,259.55	-26.16	26.43	42.95	50.43	58.39	382,067.43	717,408.95
1,356.00	3.00	79.60	1,354.42	-27.08	27.38	47.83	55.11	60.21	382,068.38	717,413.83
1,443.00	2.50	64.60	1,441.32	-28.28	28.61	51.78	59.16	61.08	382,069.61	717,417.78
1,539.00	1.90	54.90	1,537.25	-30.08	30.42	54.97	62.83	61.04	382,071.42	717,420.97
1,634.00	3.50	58.60	1,632.14	-32.47	32.84	58.74	67.30	60.79	382,073.84	717,424.74
1,729.00	6.20	60.10	1,726.79	-36.49	36.91	65.66	75.32	60.66	382,077.91	717,431.66
1,824.00	7.50	59.30	1,821.11	-42.16	42.63	75.44	86.65	60.53	382,083.63	717,441.44
1,919.00	7.70	60.20	1,915.28	-48.42	48.96	86.29	99.22	60.43	382,089.96	717,452.29
2,015.00	7.50	60.80	2,010.43	-54.60	55.21	97.34	111.91	60.44	382,096.21	717,463.34
2,110.00	7.80	59.00	2,104.59	-60.88	61.56	108.28	124.56	60.38	382,102.56	717,474.28
2,204.00	7.70	58.50	2,197.73	-67.38	68.13	119.12	137.23	60.23	382,109.13	717,485.12
2,299.00	7.10	59.10	2,291.94	-73.66	74.47	129.58	149.46	60.11	382,115.47	717,495.58
2,394.00	6.50	58.00	2,386.27	-79.46	80.34	139.18	160.70	60.01	382,121.34	717,505.18



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD83)
Site: Boros Federal
Well: No. 217H
Wellbore: OH
Design: MWD-156'-21939', PTB: 22000' MD

Local Co-ordinate Reference: Well No. 217H
TVD Reference: Well @ 3254.50usft
MD Reference: Well @ 3254.50usft
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)	
2,490.00	6.10	57.10	2,481.69	-85.06	85.99	148.07	171.23	59.86	382,126.99	717,514.07	
2,585.00	5.10	58.40	2,576.23	-89.96	90.94	155.91	180.49	59.74	382,131.94	717,521.91	
2,680.00	6.60	60.50	2,670.74	-94.81	95.84	164.26	190.17	59.74	382,136.84	717,530.26	
2,775.00	7.20	61.00	2,765.05	-100.32	101.42	174.21	201.58	59.79	382,142.42	717,540.21	
2,871.00	6.80	61.20	2,860.33	-105.91	107.07	184.46	213.28	59.87	382,148.07	717,550.46	
2,966.00	6.50	59.60	2,954.69	-111.28	112.50	194.02	224.28	59.89	382,153.50	717,560.02	
3,061.00	7.50	63.20	3,048.99	-116.73	118.02	204.20	235.85	59.97	382,159.02	717,570.20	
3,156.00	8.10	63.80	3,143.11	-122.41	123.77	215.73	248.72	60.16	382,164.77	717,581.73	
3,251.00	7.80	64.90	3,237.19	-128.03	129.46	227.58	261.82	60.37	382,170.46	717,593.58	
3,346.00	7.30	63.50	3,331.37	-133.38	134.89	238.82	274.28	60.54	382,175.89	717,604.82	
3,442.00	6.90	64.60	3,426.63	-138.51	140.08	249.48	286.12	60.69	382,181.08	717,615.48	
3,537.00	6.60	71.20	3,520.98	-142.65	144.29	259.81	297.19	60.95	382,185.29	717,625.81	
3,632.00	6.50	73.10	3,615.36	-145.91	147.61	270.12	307.82	61.34	382,188.61	717,636.12	
3,727.00	6.20	78.40	3,709.77	-148.44	150.21	280.29	318.00	61.81	382,191.21	717,646.29	
3,822.00	6.40	85.30	3,804.20	-149.84	151.67	290.59	327.79	62.44	382,192.67	717,656.59	
3,917.00	6.60	90.70	3,898.59	-150.14	152.04	301.33	337.51	63.23	382,193.04	717,667.33	
4,012.00	6.00	77.70	3,993.02	-151.07	153.03	311.64	347.19	63.85	382,194.03	717,677.64	
4,099.00	5.80	69.70	4,079.56	-153.51	155.52	320.21	355.98	64.09	382,196.52	717,686.21	
4,191.00	5.60	70.10	4,171.11	-156.60	158.66	328.79	365.07	64.24	382,199.66	717,694.79	
4,286.00	5.80	71.90	4,265.64	-159.61	161.73	337.71	374.44	64.41	382,202.73	717,703.71	
4,381.00	6.50	50.10	4,360.10	-164.50	166.68	346.40	384.41	64.30	382,207.68	717,712.40	
4,476.00	8.50	45.50	4,454.29	-172.81	175.05	355.53	396.29	63.79	382,216.05	717,721.53	
4,572.00	9.40	48.60	4,549.12	-182.90	185.20	366.47	410.61	63.19	382,226.20	717,732.47	
4,667.00	9.60	60.10	4,642.82	-191.90	194.28	379.16	426.04	62.87	382,235.28	717,745.16	
4,762.00	9.30	60.20	4,736.53	-199.58	202.05	392.69	441.62	62.77	382,243.05	717,758.69	
4,857.00	9.30	61.50	4,830.28	-206.97	209.53	406.10	456.96	62.71	382,250.53	717,772.10	
4,953.00	9.10	61.00	4,925.05	-214.27	216.91	419.55	472.31	62.66	382,257.91	717,785.55	



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD83)
Site: Boros Federal
Well: No. 217H
Wellbore: OH
Design: MWD-156'-21939', PTB: 22000' MD

Local Co-ordinate Reference: Well No. 217H
TVD Reference: Well @ 3254.50usft
MD Reference: Well @ 3254.50usft
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)
5,048.00	8.90	61.40	5,018.88	-221.34	224.07	432.57	487.16	62.62	382,265.07	717,798.57
5,143.00	8.40	61.00	5,112.80	-228.15	230.95	445.10	501.45	62.58	382,271.95	717,811.10
5,238.00	8.30	60.80	5,206.79	-234.78	237.66	457.15	515.24	62.53	382,278.66	717,823.15
5,333.00	8.10	60.70	5,300.82	-241.33	244.28	468.97	528.78	62.49	382,285.28	717,834.97
5,428.00	8.00	64.00	5,394.89	-247.43	250.45	480.75	542.08	62.48	382,291.45	717,846.75
5,523.00	8.00	64.30	5,488.96	-253.12	256.22	492.65	555.29	62.52	382,297.22	717,858.65
5,618.00	8.10	64.50	5,583.02	-258.79	261.96	504.65	568.59	62.57	382,302.96	717,870.65
5,713.00	7.80	65.20	5,677.11	-264.30	267.55	516.54	581.72	62.62	382,308.55	717,882.54
5,808.00	7.50	63.60	5,771.27	-269.69	273.01	527.94	594.36	62.66	382,314.01	717,893.94
5,904.00	7.30	65.30	5,866.47	-274.95	278.35	539.10	606.71	62.69	382,319.35	717,905.10
5,999.00	7.30	66.20	5,960.70	-279.84	283.30	550.10	618.77	62.75	382,324.30	717,916.10
6,094.00	7.20	66.10	6,054.94	-284.62	288.15	561.07	630.74	62.82	382,329.15	717,927.07
6,188.00	7.20	66.30	6,148.20	-289.31	292.90	571.85	642.50	62.88	382,333.90	717,937.85
6,283.00	7.20	67.40	6,242.45	-293.92	297.59	582.80	654.38	62.95	382,338.59	717,948.80
6,379.00	7.10	68.80	6,337.70	-298.31	302.04	593.88	666.28	63.04	382,343.04	717,959.88
6,473.00	6.70	70.00	6,431.02	-302.22	306.02	604.45	677.50	63.15	382,347.02	717,970.45
6,568.00	6.40	71.50	6,525.40	-305.73	309.59	614.68	688.24	63.27	382,350.59	717,980.68
6,663.00	6.20	72.40	6,619.83	-308.90	312.83	624.59	698.55	63.40	382,353.83	717,990.59
6,758.00	5.80	71.80	6,714.31	-311.89	315.88	634.04	708.37	63.52	382,356.88	718,000.04
6,854.00	5.60	72.20	6,809.83	-314.78	318.82	643.11	717.80	63.63	382,359.82	718,009.11
6,949.00	5.60	73.30	6,904.38	-317.47	321.57	651.96	726.95	63.75	382,362.57	718,017.96
7,044.00	5.10	76.20	6,998.96	-319.75	323.91	660.50	735.65	63.88	382,364.91	718,026.50
7,139.00	5.80	64.20	7,093.54	-322.80	327.01	668.92	744.58	63.95	382,368.01	718,034.92
7,234.00	5.90	62.30	7,188.04	-327.10	331.37	677.57	754.26	63.94	382,372.37	718,043.57
7,329.00	5.90	65.00	7,282.54	-331.38	335.70	686.32	764.02	63.94	382,376.70	718,052.32
7,424.00	5.80	64.50	7,377.04	-335.46	339.83	695.07	773.70	63.95	382,380.83	718,061.07
7,519.00	6.00	66.90	7,471.54	-339.41	343.84	703.97	783.46	63.97	382,384.84	718,069.97



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD83)
Site: Boros Federal
Well: No. 217H
Wellbore: OH
Design: MWD-156'-21939', PTB: 22000' MD

Local Co-ordinate Reference: Well No. 217H
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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)
7,615.00	5.80	66.60	7,567.03	-343.25	347.74	713.04	793.32	64.00	382,388.74	718,079.04
7,710.00	5.60	67.40	7,661.56	-346.89	351.43	721.73	802.74	64.04	382,392.43	718,087.73
7,805.00	5.20	68.90	7,756.14	-350.16	354.76	730.02	811.66	64.08	382,395.76	718,096.02
7,900.00	5.00	70.20	7,850.76	-353.07	357.71	737.93	820.06	64.14	382,398.71	718,103.93
7,995.00	4.80	70.90	7,945.42	-355.72	360.41	745.58	828.13	64.20	382,401.41	718,111.58
8,090.00	2.30	87.50	8,040.23	-357.07	361.80	751.25	833.83	64.28	382,402.80	718,117.25
8,186.00	1.70	101.40	8,136.17	-356.85	361.60	754.57	836.73	64.40	382,402.60	718,120.57
8,281.00	1.40	97.50	8,231.14	-356.41	361.17	757.10	838.83	64.50	382,402.17	718,123.10
8,376.00	1.20	96.50	8,326.11	-356.13	360.91	759.24	840.65	64.58	382,401.91	718,125.24
8,470.00	0.70	90.00	8,420.10	-356.01	360.79	760.79	842.00	64.63	382,401.79	718,126.79
8,566.00	0.20	84.60	8,516.10	-356.02	360.81	761.54	842.69	64.65	382,401.81	718,127.54
8,661.00	0.40	263.70	8,611.09	-356.00	360.79	761.38	842.53	64.65	382,401.79	718,127.38
8,756.00	1.30	279.40	8,706.08	-356.15	360.93	759.98	841.34	64.60	382,401.93	718,125.98
8,850.00	1.30	274.60	8,800.06	-356.42	361.19	757.87	839.54	64.52	382,402.19	718,123.87
8,945.00	1.10	271.30	8,895.04	-356.54	361.30	755.88	837.79	64.45	382,402.30	718,121.88
9,040.00	1.20	254.80	8,990.02	-356.31	361.06	754.01	836.00	64.41	382,402.06	718,120.01
9,135.00	0.90	261.40	9,085.00	-355.95	360.68	752.31	834.31	64.39	382,401.68	718,118.31
9,230.00	1.10	262.60	9,179.99	-355.73	360.45	750.67	832.73	64.35	382,401.45	718,116.67
9,325.00	1.00	267.80	9,274.97	-355.59	360.30	748.94	831.10	64.31	382,401.30	718,114.94
9,420.00	1.00	264.80	9,369.96	-355.50	360.20	747.29	829.57	64.27	382,401.20	718,113.29
9,515.00	1.50	224.20	9,464.94	-354.54	359.23	745.59	827.62	64.27	382,400.23	718,111.59
9,611.00	2.10	211.10	9,560.89	-352.14	356.82	743.81	824.97	64.37	382,397.82	718,109.81
9,706.00	2.50	215.20	9,655.81	-348.97	353.64	741.72	821.71	64.51	382,394.64	718,107.72
9,801.00	2.00	225.20	9,750.74	-346.13	350.78	739.34	818.34	64.62	382,391.78	718,105.34
9,896.00	1.70	242.80	9,845.69	-344.33	348.97	736.92	815.37	64.66	382,389.97	718,102.92
9,990.00	1.70	248.00	9,939.65	-343.19	347.81	734.38	812.58	64.66	382,388.81	718,100.38
10,085.00	1.90	242.40	10,034.60	-341.95	346.55	731.68	809.60	64.66	382,387.55	718,097.68



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD83)
Site: Boros Federal
Well: No. 217H
Wellbore: OH
Design: MWD-156'-21939', PTB: 22000' MD

Local Co-ordinate Reference: Well No. 217H
TVD Reference: Well @ 3254.50usft
MD Reference: Well @ 3254.50usft
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)	
10,181.00	2.10	241.10	10,130.54	-340.38	344.96	728.73	806.25	64.67	382,385.96	718,094.73	
10,276.00	1.10	302.50	10,225.51	-340.04	344.61	726.44	804.03	64.62	382,385.61	718,092.44	
10,371.00	1.70	15.90	10,320.49	-341.89	346.46	726.05	804.48	64.49	382,387.46	718,092.05	
10,466.00	1.90	33.10	10,415.44	-344.56	349.13	727.30	806.76	64.36	382,390.13	718,093.30	
10,561.00	2.10	75.30	10,510.39	-346.30	350.89	729.84	809.81	64.32	382,391.89	718,095.84	
10,656.00	2.10	89.60	10,605.33	-346.73	351.35	733.27	813.10	64.40	382,392.35	718,099.27	
10,751.00	1.60	97.80	10,700.28	-346.55	351.18	736.32	815.78	64.50	382,392.18	718,102.32	
10,847.00	1.40	96.50	10,796.24	-346.22	350.86	738.82	817.90	64.60	382,391.86	718,104.82	
10,942.00	1.10	107.20	10,891.22	-345.80	350.46	740.84	819.55	64.68	382,391.46	718,106.84	
11,037.00	1.00	130.60	10,986.21	-344.98	349.65	742.34	820.56	64.78	382,390.65	718,108.34	
11,132.00	1.40	165.80	11,081.19	-343.31	347.99	743.25	820.68	64.91	382,388.99	718,109.25	
11,229.00	2.50	158.70	11,178.13	-340.19	344.87	744.31	820.33	65.14	382,385.87	718,110.31	
11,323.00	11.30	188.30	11,271.37	-329.14	333.82	743.73	815.21	65.83	382,374.82	718,109.73	
11,419.00	20.90	183.40	11,363.51	-302.70	307.36	741.35	802.54	67.48	382,348.36	718,107.35	
11,514.00	28.20	183.30	11,449.86	-263.33	267.98	739.05	786.13	70.07	382,308.98	718,105.05	
11,609.00	32.50	177.00	11,531.84	-215.40	220.05	739.09	771.15	73.42	382,261.05	718,105.09	
11,628.00	34.10	175.90	11,547.72	-204.99	209.64	739.74	768.87	74.18	382,250.64	718,105.74	
11,703.00	39.10	172.00	11,607.92	-160.53	165.22	744.54	762.65	77.49	382,206.22	718,110.54	
11,734.00	43.30	172.40	11,631.24	-140.29	144.99	747.31	761.24	79.02	382,185.99	718,113.31	
11,798.00	50.80	174.40	11,674.82	-93.76	98.49	752.64	759.05	82.54	382,139.49	718,118.64	
11,827.10	52.27	174.56	11,692.92	-71.06	75.81	754.83	758.62	84.26	382,116.81	718,120.83	
FTP: 11827.1' MD											
11,893.00	55.60	174.90	11,731.71	-18.00	22.77	759.72	760.06	88.28	382,063.77	718,125.72	
11,922.00	57.40	176.40	11,747.72	6.12	-1.34	761.55	761.55	90.10	382,039.66	718,127.55	
11,955.00	58.30	178.10	11,765.28	34.04	-29.25	762.89	763.45	92.20	382,011.75	718,128.89	
11,988.00	59.90	178.80	11,782.22	62.35	-57.55	763.65	765.82	94.31	381,983.45	718,129.65	
12,020.00	62.60	180.00	11,797.61	90.40	-85.60	763.94	768.72	96.39	381,955.40	718,129.94	



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD83)
Site: Boros Federal
Well: No. 217H
Wellbore: OH
Design: MWD-156'-21939', PTB: 22000' MD

Local Co-ordinate Reference: Well No. 217H
TVD Reference: Well @ 3254.50usft
MD Reference: Well @ 3254.50usft
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)	
12,083.00	70.60	184.10	11,822.62	148.10	-143.32	761.81	775.18	100.65	381,897.68	718,127.81	
12,178.00	83.00	184.50	11,844.27	240.10	-235.37	754.88	790.72	107.32	381,805.63	718,120.88	
12,242.00	90.60	183.60	11,847.85	303.77	-299.06	750.37	807.77	111.73	381,741.94	718,116.37	
12,274.00	90.90	183.40	11,847.43	335.69	-331.00	748.42	818.35	113.86	381,710.00	718,114.42	
12,369.00	88.80	181.90	11,847.67	430.55	-425.89	744.03	857.30	119.79	381,615.11	718,110.03	
12,464.00	88.30	182.00	11,850.08	525.45	-520.80	740.80	905.55	125.11	381,520.20	718,106.80	
12,559.00	89.90	179.90	11,851.57	620.40	-615.77	739.22	962.09	129.79	381,425.23	718,105.22	
12,654.00	90.80	179.90	11,850.99	715.40	-710.76	739.39	1,025.61	133.87	381,330.24	718,105.39	
12,750.00	90.30	179.00	11,850.07	811.39	-806.75	740.31	1,094.95	137.46	381,234.25	718,106.31	
12,844.00	89.90	178.90	11,849.91	905.38	-900.74	742.03	1,167.02	140.52	381,140.26	718,108.03	
12,939.00	89.80	178.50	11,850.15	1,000.37	-995.71	744.19	1,243.09	143.23	381,045.29	718,110.19	
13,035.00	90.90	179.20	11,849.57	1,096.36	-1,091.69	746.11	1,322.30	145.65	380,949.31	718,112.11	
13,129.00	91.30	179.00	11,847.76	1,190.34	-1,185.66	747.59	1,401.67	147.77	380,855.34	718,113.59	
13,223.00	90.30	177.40	11,846.45	1,284.29	-1,279.60	750.54	1,483.47	149.61	380,761.40	718,116.54	
13,318.00	90.20	177.80	11,846.04	1,379.23	-1,374.52	754.52	1,567.99	151.24	380,666.48	718,120.52	
13,412.00	89.60	176.90	11,846.20	1,473.15	-1,468.42	758.87	1,652.91	152.67	380,572.58	718,124.87	
13,507.00	89.40	178.60	11,847.03	1,568.10	-1,563.33	762.60	1,739.42	154.00	380,477.67	718,128.60	
13,601.00	89.10	178.30	11,848.26	1,662.07	-1,657.29	765.14	1,825.39	155.22	380,383.71	718,131.14	
13,696.00	89.90	177.80	11,849.09	1,757.03	-1,752.23	768.37	1,913.30	156.32	380,288.77	718,134.37	
13,792.00	91.00	177.50	11,848.33	1,852.96	-1,848.15	772.31	2,003.02	157.32	380,192.85	718,138.31	
13,886.00	91.70	177.20	11,846.12	1,946.86	-1,942.02	776.65	2,091.56	158.20	380,098.98	718,142.65	
13,981.00	91.00	178.60	11,843.88	2,041.79	-2,036.93	780.13	2,181.21	159.04	380,004.07	718,146.13	
14,075.00	86.60	179.30	11,845.85	2,135.74	-2,130.87	781.85	2,269.78	159.85	379,910.13	718,147.85	
14,170.00	85.60	178.90	11,852.31	2,230.51	-2,225.63	783.34	2,359.46	160.61	379,815.37	718,149.34	
14,266.00	85.60	178.80	11,859.68	2,326.22	-2,321.33	785.26	2,450.55	161.31	379,719.67	718,151.26	
14,297.00	85.60	179.10	11,862.05	2,357.13	-2,352.23	785.83	2,480.03	161.53	379,688.77	718,151.83	
14,361.00	85.90	178.40	11,866.80	2,420.94	-2,416.04	787.22	2,541.06	161.95	379,624.96	718,153.22	



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD83)
Site: Boros Federal
Well: No. 217H
Wellbore: OH
Design: MWD-156'-21939', PTB: 22000' MD

Local Co-ordinate Reference: Well No. 217H
TVD Reference: Well @ 3254.50usft
MD Reference: Well @ 3254.50usft
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)	
14,392.00	86.20	177.80	11,868.93	2,451.86	-2,446.95	788.25	2,570.78	162.14	379,594.05	718,154.25	
14,455.00	86.00	178.40	11,873.22	2,514.69	-2,509.77	790.33	2,631.27	162.52	379,531.23	718,156.33	
14,490.00	87.00	179.80	11,875.35	2,549.62	-2,544.70	790.88	2,664.77	162.74	379,496.30	718,156.88	
14,550.00	87.60	179.40	11,878.18	2,609.55	-2,604.63	791.30	2,722.18	163.10	379,436.37	718,157.30	
14,645.00	90.80	179.30	11,879.51	2,704.53	-2,699.60	792.38	2,813.49	163.64	379,341.40	718,158.38	
14,739.00	91.40	178.90	11,877.70	2,798.51	-2,793.57	793.85	2,904.18	164.14	379,247.43	718,159.85	
14,835.00	91.60	178.60	11,875.19	2,894.46	-2,889.52	795.95	2,997.14	164.60	379,151.48	718,161.95	
14,930.00	92.00	178.60	11,872.21	2,989.40	-2,984.44	798.27	3,089.36	165.03	379,056.56	718,164.27	
15,025.00	92.10	179.20	11,868.81	3,084.33	-3,079.36	800.09	3,181.61	165.44	378,961.64	718,166.09	
15,120.00	93.60	179.50	11,864.08	3,179.21	-3,174.24	801.17	3,273.78	165.83	378,866.76	718,167.17	
15,214.00	92.00	181.80	11,859.49	3,273.07	-3,268.11	800.10	3,364.63	166.24	378,772.89	718,166.10	
15,309.00	91.40	181.80	11,856.67	3,367.96	-3,363.02	797.12	3,456.20	166.67	378,677.98	718,163.12	
15,404.00	90.80	183.60	11,854.85	3,462.81	-3,457.89	792.64	3,547.58	167.09	378,583.11	718,158.64	
15,499.00	90.50	184.70	11,853.77	3,557.50	-3,552.64	785.77	3,638.50	167.53	378,488.36	718,151.77	
15,595.00	88.20	184.90	11,854.86	3,653.10	-3,648.29	777.74	3,730.27	167.97	378,392.71	718,143.74	
15,619.00	87.50	184.80	11,855.76	3,676.99	-3,672.19	775.71	3,753.22	168.07	378,368.81	718,141.71	
15,714.00	87.30	182.80	11,860.07	3,771.63	-3,766.87	769.42	3,844.65	168.46	378,274.13	718,135.42	
15,809.00	89.30	179.90	11,862.89	3,866.53	-3,861.79	767.18	3,937.26	168.76	378,179.21	718,133.18	
15,904.00	89.80	178.20	11,863.64	3,961.52	-3,956.77	768.76	4,030.76	169.01	378,084.23	718,134.76	
15,998.00	89.50	177.80	11,864.21	4,055.48	-4,050.71	772.04	4,123.63	169.21	377,990.29	718,138.04	
16,093.00	89.90	178.10	11,864.71	4,150.44	-4,145.65	775.44	4,217.55	169.41	377,895.35	718,141.44	
16,188.00	88.90	177.80	11,865.70	4,245.39	-4,240.58	778.84	4,311.51	169.59	377,800.42	718,144.84	
16,283.00	87.20	176.90	11,868.93	4,340.26	-4,335.42	783.22	4,405.60	169.76	377,705.58	718,149.22	
16,378.00	89.00	177.60	11,872.08	4,435.12	-4,430.25	787.78	4,499.75	169.92	377,610.75	718,153.78	
16,473.00	90.70	177.10	11,872.33	4,530.04	-4,525.15	792.17	4,593.96	170.07	377,515.85	718,158.17	
16,568.00	90.80	176.50	11,871.09	4,624.91	-4,619.99	797.47	4,688.31	170.21	377,421.01	718,163.47	
16,663.00	89.80	178.10	11,870.59	4,719.83	-4,714.88	801.95	4,782.60	170.35	377,326.12	718,167.95	



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD83)
Site: Boros Federal
Well: No. 217H
Wellbore: OH
Design: MWD-156'-21939', PTB: 22000' MD

Local Co-ordinate Reference: Well No. 217H
TVD Reference: Well @ 3254.50usft
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North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
16,759.00	90.40	177.50	11,870.42	4,815.78	-4,810.81	805.63	4,877.80	170.49	377,230.19	718,171.63
16,854.00	90.00	177.20	11,870.09	4,910.70	-4,905.71	810.03	4,972.13	170.62	377,135.29	718,176.03
16,950.00	90.30	177.00	11,869.84	5,006.61	-5,001.58	814.88	5,067.53	170.75	377,039.42	718,180.88
17,045.00	91.30	178.10	11,868.52	5,101.53	-5,096.49	818.94	5,161.86	170.87	376,944.51	718,184.94
17,140.00	91.50	179.20	11,866.19	5,196.49	-5,191.43	821.18	5,255.97	171.01	376,849.57	718,187.18
17,235.00	92.90	179.40	11,862.55	5,291.41	-5,286.35	822.34	5,349.93	171.16	376,754.65	718,188.34
17,329.00	90.90	180.40	11,859.43	5,385.35	-5,380.29	822.50	5,442.80	171.31	376,660.71	718,188.50
17,355.00	89.70	180.50	11,859.29	5,411.35	-5,406.29	822.30	5,468.47	171.35	376,634.71	718,188.30
17,417.00	90.10	180.20	11,859.40	5,473.34	-5,468.29	821.92	5,529.71	171.45	376,572.71	718,187.92
17,429.00	90.30	180.00	11,859.36	5,485.34	-5,480.29	821.90	5,541.58	171.47	376,560.71	718,187.90
17,512.00	92.70	180.10	11,857.19	5,568.31	-5,563.25	821.83	5,623.63	171.60	376,477.75	718,187.83
17,607.00	95.30	180.70	11,850.56	5,663.06	-5,658.01	821.17	5,717.29	171.74	376,382.99	718,187.17
17,702.00	94.90	181.00	11,842.12	5,757.66	-5,752.62	819.76	5,810.74	171.89	376,288.38	718,185.76
17,797.00	94.20	180.70	11,834.58	5,852.34	-5,847.31	818.36	5,904.30	172.03	376,193.69	718,184.36
17,892.00	96.30	180.60	11,825.89	5,946.92	-5,941.90	817.29	5,997.85	172.17	376,099.10	718,183.29
17,986.00	94.00	181.20	11,817.45	6,040.51	-6,035.51	815.81	6,090.39	172.30	376,005.49	718,181.81
18,081.00	88.00	180.20	11,815.79	6,135.44	-6,130.44	814.66	6,184.33	172.43	375,910.56	718,180.66
18,176.00	95.50	182.00	11,812.90	6,230.29	-6,225.31	812.84	6,278.15	172.56	375,815.69	718,178.84
18,207.00	90.60	181.50	11,811.25	6,261.22	-6,256.24	811.89	6,308.70	172.61	375,784.76	718,177.89
18,239.00	88.70	180.90	11,811.44	6,293.20	-6,288.23	811.22	6,340.34	172.65	375,752.77	718,177.22
18,271.00	91.60	182.00	11,811.36	6,325.18	-6,320.22	810.41	6,371.96	172.69	375,720.78	718,176.41
18,366.00	93.40	183.50	11,807.21	6,419.95	-6,415.01	805.86	6,465.43	172.84	375,625.99	718,171.86
18,460.00	90.90	182.80	11,803.69	6,513.70	-6,508.79	800.70	6,557.86	172.99	375,532.21	718,166.70
18,554.00	89.90	182.90	11,803.03	6,607.54	-6,602.67	796.03	6,650.49	173.13	375,438.33	718,162.03
18,648.00	87.90	183.80	11,804.84	6,701.32	-6,696.49	790.53	6,742.99	173.27	375,344.51	718,156.53
18,680.00	89.70	183.90	11,805.51	6,733.23	-6,728.41	788.39	6,774.44	173.32	375,312.59	718,154.39
18,743.00	89.40	184.20	11,806.00	6,796.04	-6,791.25	783.94	6,836.35	173.42	375,249.75	718,149.94



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD83)
Site: Boros Federal
Well: No. 217H
Wellbore: OH
Design: MWD-156'-21939', PTB: 22000' MD

Local Co-ordinate Reference: Well No. 217H
TVD Reference: Well @ 3254.50usft
MD Reference: Well @ 3254.50usft
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)
18,838.00	89.50	183.60	11,806.91	6,890.77	-6,886.03	777.48	6,929.78	173.56	375,154.97	718,143.48
18,934.00	89.10	182.70	11,808.09	6,986.59	-6,981.87	772.20	7,024.44	173.69	375,059.13	718,138.20
19,029.00	89.60	182.80	11,809.16	7,081.44	-7,076.76	767.64	7,118.27	173.81	374,964.24	718,133.64
19,124.00	93.50	180.60	11,806.59	7,176.32	-7,171.66	764.82	7,212.32	173.91	374,869.34	718,130.82
19,220.00	91.60	180.60	11,802.32	7,272.21	-7,267.55	763.82	7,307.58	174.00	374,773.45	718,129.82
19,314.00	91.80	180.90	11,799.53	7,366.15	-7,361.50	762.59	7,400.89	174.09	374,679.50	718,128.59
19,408.00	93.30	179.70	11,795.35	7,460.04	-7,455.40	762.10	7,494.25	174.16	374,585.60	718,128.10
19,503.00	94.40	178.50	11,788.97	7,554.82	-7,550.17	763.59	7,588.69	174.23	374,490.83	718,129.59
19,597.00	94.20	178.10	11,781.93	7,648.53	-7,643.87	766.37	7,682.19	174.27	374,397.13	718,132.37
19,693.00	93.20	176.70	11,775.73	7,744.25	-7,739.56	770.71	7,777.84	174.31	374,301.44	718,136.71
19,787.00	92.70	175.10	11,770.89	7,837.93	-7,833.20	777.43	7,871.68	174.33	374,207.80	718,143.43
19,882.00	92.80	177.00	11,766.33	7,932.63	-7,927.86	783.96	7,966.52	174.35	374,113.14	718,149.96
19,976.00	91.90	178.60	11,762.48	8,026.49	-8,021.70	787.57	8,060.27	174.39	374,019.30	718,153.57
20,072.00	89.90	180.90	11,760.97	8,122.47	-8,117.68	787.99	8,155.84	174.46	373,923.32	718,153.99
20,166.00	89.20	181.60	11,761.71	8,216.43	-8,211.65	785.93	8,249.18	174.53	373,829.35	718,151.93
20,262.00	88.70	181.60	11,763.47	8,312.36	-8,307.60	783.25	8,344.44	174.61	373,733.40	718,149.25
20,357.00	88.40	180.60	11,765.87	8,407.30	-8,402.55	781.43	8,438.81	174.69	373,638.45	718,147.43
20,452.00	87.40	176.80	11,769.35	8,502.20	-8,497.44	783.58	8,533.50	174.73	373,543.56	718,149.58
20,548.00	89.60	172.10	11,771.87	8,597.74	-8,592.93	792.86	8,629.43	174.73	373,448.07	718,158.86
20,580.00	91.00	173.00	11,771.70	8,629.49	-8,624.66	797.01	8,661.40	174.72	373,416.34	718,163.01
20,643.00	90.40	171.50	11,770.93	8,691.96	-8,687.07	805.51	8,724.34	174.70	373,353.93	718,171.51
20,737.00	93.50	176.30	11,767.73	8,785.40	-8,780.45	815.49	8,818.24	174.69	373,260.55	718,181.49
20,832.00	94.00	177.70	11,761.52	8,880.09	-8,875.11	820.45	8,912.96	174.72	373,165.89	718,186.45
20,928.00	92.30	178.10	11,756.24	8,975.90	-8,970.90	823.96	9,008.66	174.75	373,070.10	718,189.96
21,023.00	90.60	175.20	11,753.84	9,070.73	-9,065.69	829.51	9,103.56	174.77	372,975.31	718,195.51
21,117.00	91.00	176.50	11,752.53	9,164.51	-9,159.44	836.32	9,197.54	174.78	372,881.56	718,202.32
21,212.00	89.80	173.30	11,751.86	9,259.17	-9,254.04	844.76	9,292.52	174.78	372,786.96	718,210.76



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD83)
Site: Boros Federal
Well: No. 217H
Wellbore: OH
Design: MWD-156'-21939', PTB: 22000' MD

Local Co-ordinate Reference: Well No. 217H
TVD Reference: Well @ 3254.50usft
MD Reference: Well @ 3254.50usft
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)	
21,306.00	91.00	179.20	11,751.21	9,352.96	-9,347.80	850.90	9,386.44	174.80	372,693.20	718,216.90	
21,401.00	90.30	180.00	11,750.13	9,447.95	-9,442.79	851.57	9,481.11	174.85	372,598.21	718,217.57	
21,496.00	91.30	181.30	11,748.80	9,542.92	-9,537.77	850.49	9,575.61	174.90	372,503.23	718,216.49	
21,591.00	89.90	181.50	11,747.81	9,637.87	-9,632.73	848.17	9,670.00	174.97	372,408.27	718,214.17	
21,687.00	90.30	182.20	11,747.64	9,733.80	-9,728.68	845.07	9,765.32	175.04	372,312.32	718,211.07	
21,782.00	90.70	183.10	11,746.81	9,828.66	-9,823.57	840.68	9,859.48	175.11	372,217.43	718,206.68	
21,876.00	90.10	183.60	11,746.15	9,922.46	-9,917.41	835.19	9,952.52	175.19	372,123.59	718,201.19	
21,886.50	90.08	183.52	11,746.14	9,932.94	-9,927.89	834.53	9,962.90	175.20	372,113.11	718,200.53	
LTP: 21886.5' MD											
21,939.00	90.00	183.10	11,746.10	9,985.33	-9,980.30	831.50	10,014.88	175.24	372,060.70	718,197.50	
Last Survey: 21939' MD											
22,000.00	90.00	183.10	11,746.10	10,046.22	-10,041.21	828.20	10,075.31	175.28	371,999.79	718,194.20	
PTB: 22000' MD											

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
156.00	156.00	0.51	0.18	Pro MWD First Survey: 156' MD	
11,827.10	11,692.92	75.81	754.83	FTP: 11827.1' MD	
21,886.50	11,746.14	-9,927.89	834.53	LTP: 21886.5' MD	
21,939.00	11,746.10	-9,980.30	831.50	Last Survey: 21939' MD	
22,000.00	11,746.10	-10,041.21	828.20	PTB: 22000' MD	

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM138865

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____						6. If Indian, Allottee or Tribe Name	
						7. Unit or CA Agreement Name and No.	
2. Name of Operator Contact: NICKY FITZGERALD MATADOR PRODUCTION COMPANY - Email: nicky.fitzgerald@matadorresources.com						8. Lease Name and Well No. BOROS FEDERAL 217H	
3. Address 5400 LBJ FREEWAY, SUITE 1500 DALLAS, TX 75240				3a. Phone No. (include area code) Ph: 972-371-5448		9. API Well No. 30-015-46566	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 15 T26S R31E Mer 400FNL 2404FEL Sec 15 T26S R31E Mer At top prod interval reported below 338FNL 1648FEL Sec 22 T26S R31E Mer At total depth 217FSL 1640FEL						10. Field and Pool, or Exploratory PURPLE SAGE; WOLFCAMP(GAS)	
						11. Sec., T., R., M., or Block and Survey or Area Sec 15 T26S R31E Mer	
						12. County or Parish EDDY 13. State NM	
14. Date Spudded 01/23/2020		15. Date T.D. Reached 04/25/2020		16. Date Completed ☐ D & A ☒ Ready to Prod. 09/09/2020		17. Elevations (DF, KB, RT, GL)* 3226 GL	
18. Total Depth:		MD TVD	22000 11746	19. Plug Back T.D.:		MD 21,877 TVD 11745	20. Depth Bridge Plug Set: MD TVD
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) ATTACHED						22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ Yes (Submit analysis)	

23. Casing and Liner Record (Report all strings set in well)

[illegible]

24. Tubing Record

[illegible]

25. Producing Intervals

20. Producing Intervals			20. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	11836	21757	11836 TO 21757		59	
B)						
C)						
D)						

26. Perforation Record

20. Producing Intervals			20. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	11836	21757	11836 TO 21757		59	
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
11836 TO 21757	25,609,290 LBS TOTAL PROPANT

28. Production - Interval A

Date First Produced 09/09/2020	Test Date 09/17/2020	Hours Tested 24	Test Production 	Oil BBL 2060.0	Gas MCF 10478.0	Water BBL 8614.0	Oil Gravity Corr. API	Gas Gravity	Production Method FLOWS FROM WELL
Choke Size 50/64	Tbg. Press. Flwg. SI	Csg. Press. 3525.0	24 Hr. Rate 	Oil BBL 2060	Gas MCF 10478	Water BBL 8614	Gas:Oil Ratio	Well Status PGW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production 	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate 	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #535873 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
CAPTURED

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
DELAWARE	4096	8728	OIL & GAS	TOP SALT	1490
FIRST BONE SPRING	9069	9579	OIL & GAS	BASE SALT	3962
SECOND BONE SPRING	9579	10336	OIL & GAS	DELAWARE SAND	4096
THIRD BONE SPRING	10336	11431	OIL & GAS	BONE SPRING	8151
WOLFCAMP	11431		OIL & GAS	WOLFCAMP	11431

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #535873 Verified by the BLM Well Information System.
For MATADOR PRODUCTION COMPANY, sent to the Carlsbad**

Name (please print) NICKY FITZGERALDTitle REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 10/29/2020

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 29049

ACKNOWLEDGMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 29049
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☐	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☐	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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
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Phone:(505) 334-6178 Fax:(505) 334-6170

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Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 29049

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 29049
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	8/3/2021