

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 30-015-46494	² Pool Code 98220	³ Pool Name PURPLE SAGE;WOLFCAMP (GAS)
⁴ Property Code 326329	⁵ Property Name BOROS FEDERAL	⁶ Well Number 223H
⁷ OGRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 3226'

¹⁰Surface Location

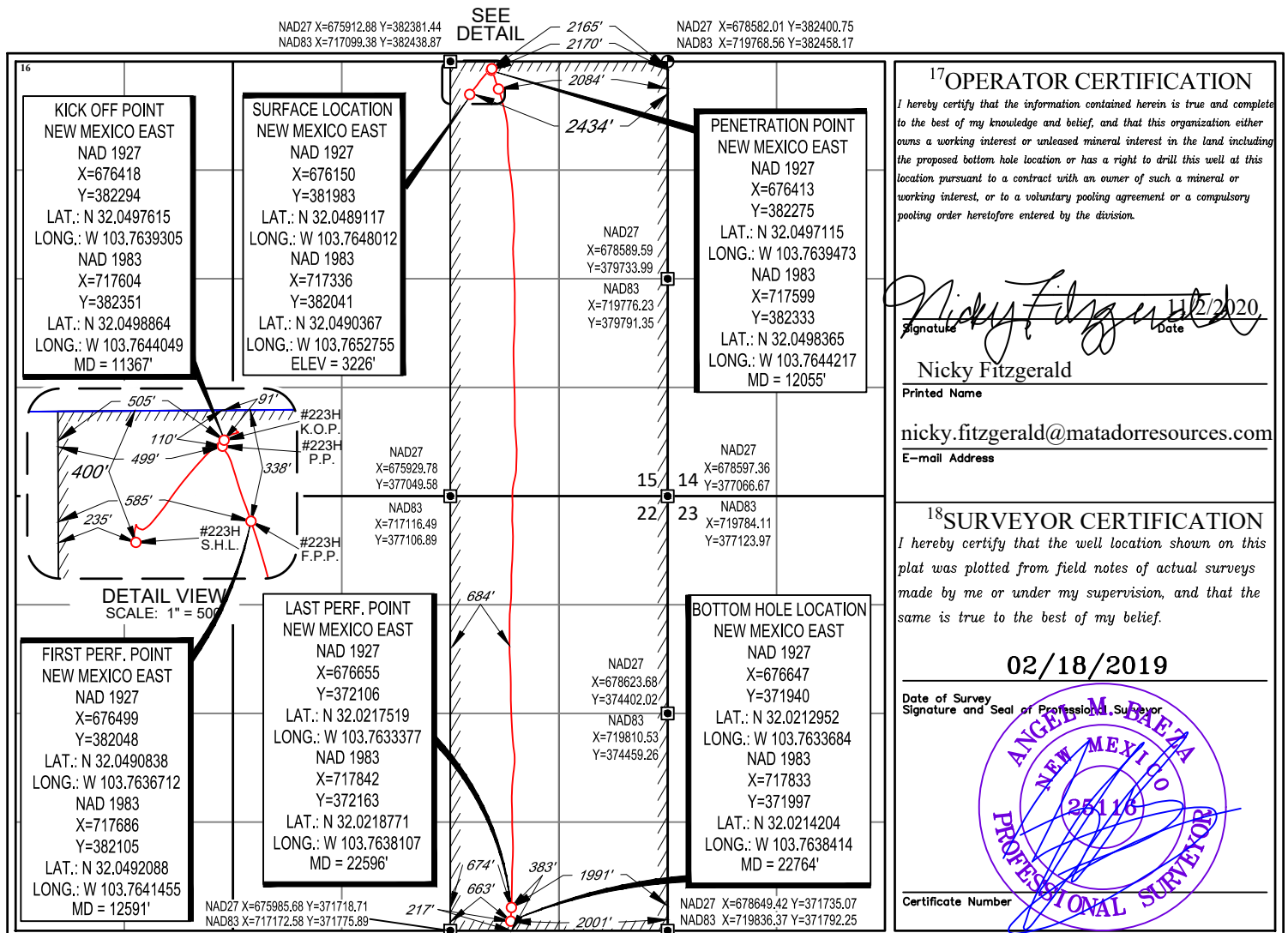
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	15	26-S	31-E	-	400'	NORTH	2434'	EAST	EDDY

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	2001'	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.

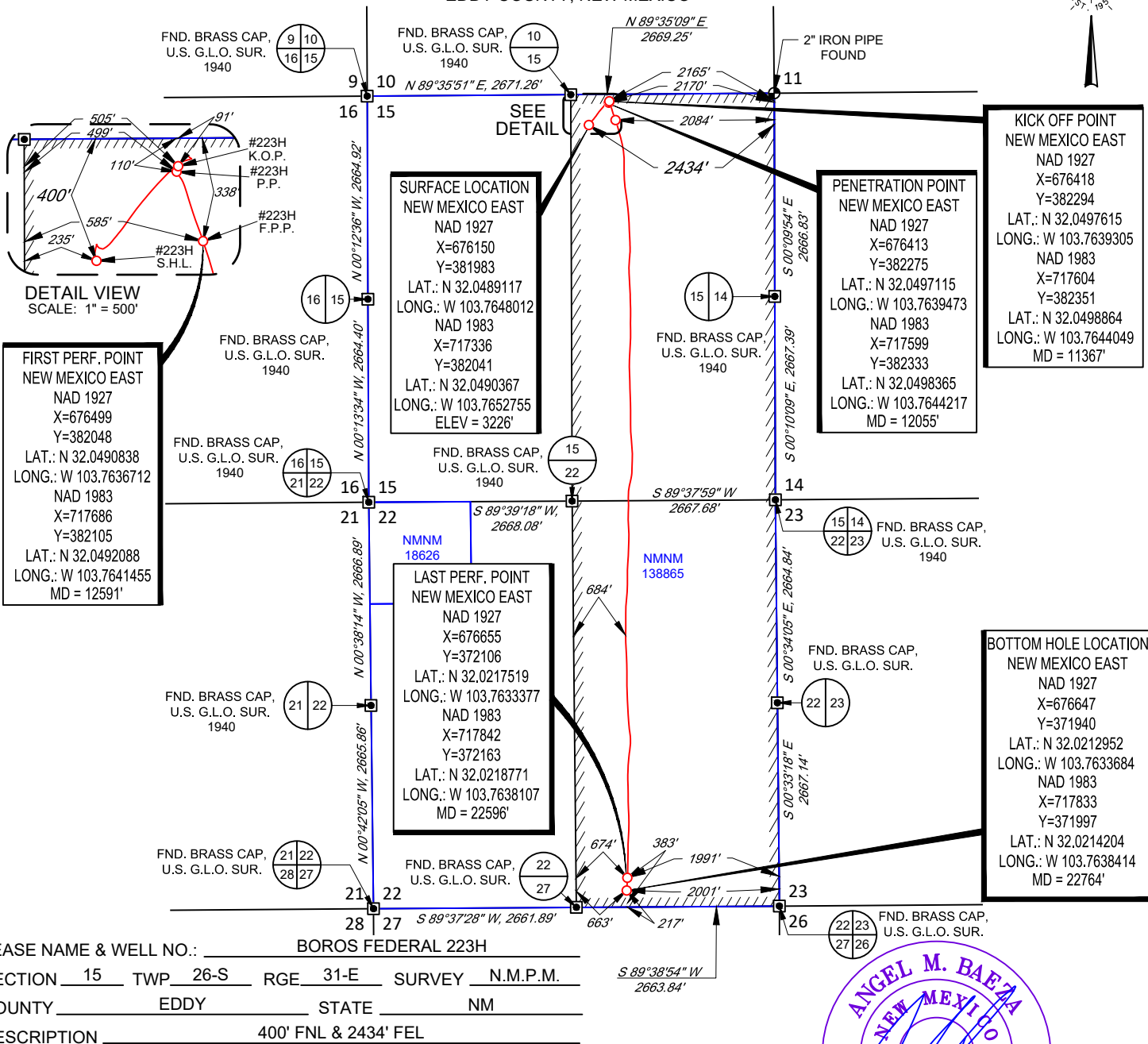
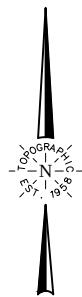


SCALE: 1" = 2000'

0' 1000' 2000'



SECTION 15, TOWNSHIP 26-S, RANGE 31-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO



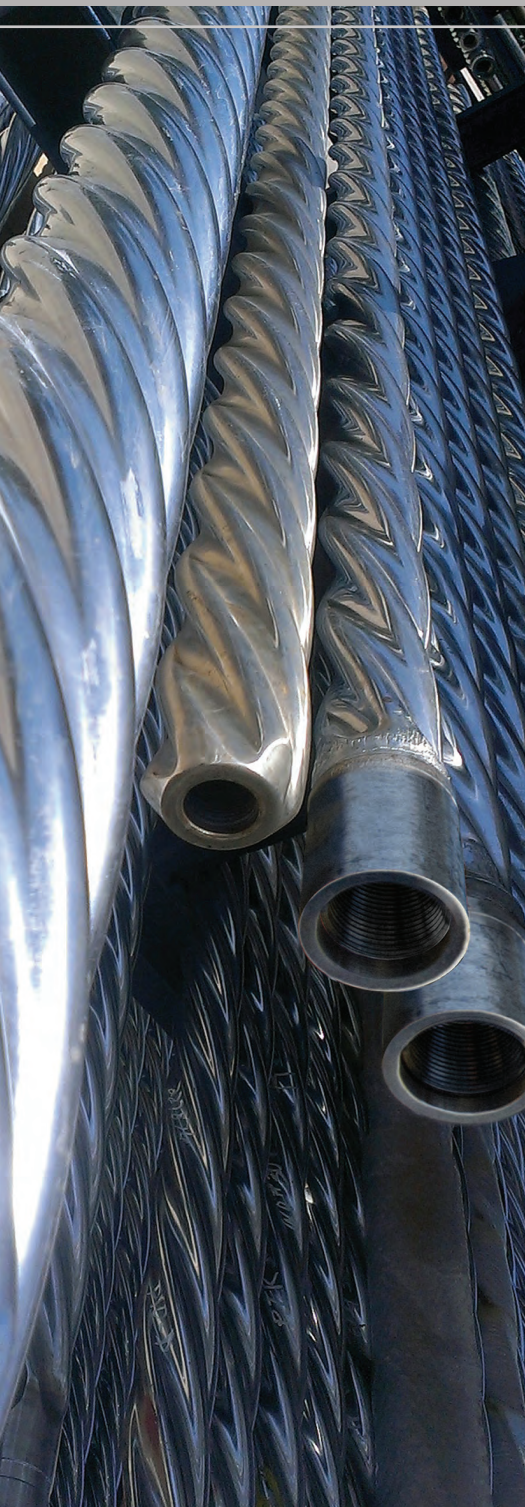
TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM



Angel M. Baeza, P.S. No. 25116
October 13, 2020

BOROS FEDERAL 223H AS-DRILLED DATE: 10/13/20 AD_BOROS_FEDERAL_223H DRAWN BY: IMU SHEET: 2 OF 2	REVISION:	NOTES: 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 WELL 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.
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Boros Federal No. 223H

Eddy County, NM

April 22, 2020

Job No. LNM5102720

Certified Report

April 22, 2020



Operator Name: Matador Resources
Well Name: Boros Federal No. 223H
County/Parish: Eddy County,
State: NM
Rig Name: Patterson 810
Job Number: LNM5102720

This is to certify the surveys performed on the referenced well by Professional Directional Ent., Inc. are true and correct MWD Surveys, data provided as follows:

<u>Surveyor</u>	<u>Surveyed Depths</u>	<u>Projection to Bit</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
ProDirectional	156' MD – 22,700' MD	22,764' MD	01/25/20 – 04/02/20	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. 223H

OH

Survey: ProDirectional

Survey Report

22 April, 2020





ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 223H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 3254.50usft
Site:	Boros Federal	MD Reference:	Well @ 3254.50usft
Well:	No. 223H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD-156'-22700', PTB: 22764'	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:		Easting:		717,336.00 usft	
Position Uncertainty:		Slot Radius:		13-3/16 "	
Map		Latitude:		32.049038	
0.00 usft		Longitude:		-103.765276	
		Grid Convergence:		0.30 °	

Well		No. 223H				
Well Position	+N/-S	0.00 usft	Northing:	382,041.00 usft	Latitude:	32.049038
	+E/-W	0.00 usft	Easting:	717,336.00 usft	Longitude:	-103.765276
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'-22700', PTB: 22764'			
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	179.63

Survey Program		Date	4/22/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
156.00	22,764.00	Survey #1 (OH)	MWD+HDGM	OWSG MWD + HRGM	



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD83)
Site: Boros Federal
Well: No. 223H
Wellbore: OH
Design: MWD-156'-22700', PTB: 22764'

Local Co-ordinate Reference: Well No. 223H
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	717,336.00
156.00	0.60	331.70	156.00	-0.72	0.72	-0.39	0.82	331.70	382,041.72	717,335.61
Pro MWD First Survey: 156' MD										
248.00	1.00	322.30	247.99	-1.79	1.78	-1.11	2.09	328.11	382,042.78	717,334.89
340.00	1.30	323.40	339.97	-3.27	3.25	-2.22	3.94	325.68	382,044.25	717,333.78
431.00	2.20	344.50	430.93	-5.78	5.76	-3.30	6.64	330.19	382,046.76	717,332.70
523.00	2.60	346.90	522.85	-9.52	9.50	-4.25	10.40	335.91	382,050.50	717,331.75
614.00	2.50	354.20	613.76	-13.51	13.48	-4.92	14.35	339.97	382,054.48	717,331.08
796.00	2.40	358.60	795.59	-21.28	21.24	-5.41	21.92	345.71	382,062.24	717,330.59
887.00	2.50	8.60	886.51	-25.14	25.11	-5.16	25.63	348.39	382,066.11	717,330.84
977.00	2.50	9.40	976.42	-29.01	28.99	-4.55	29.34	351.09	382,069.99	717,331.45
1,071.00	2.20	10.90	1,070.34	-32.80	32.78	-3.87	33.01	353.27	382,073.78	717,332.13
1,166.00	1.90	9.60	1,165.28	-36.14	36.12	-3.26	36.27	354.84	382,077.12	717,332.74
1,261.00	2.00	9.80	1,260.23	-39.33	39.31	-2.72	39.40	356.05	382,080.31	717,333.28
1,356.00	2.10	13.20	1,355.17	-42.65	42.64	-2.04	42.69	357.26	382,083.64	717,333.96
1,433.00	1.90	18.90	1,432.12	-45.23	45.22	-1.30	45.24	358.35	382,086.22	717,334.70
1,535.00	1.10	37.00	1,534.08	-47.60	47.60	-0.16	47.60	359.80	382,088.60	717,335.84
1,630.00	1.00	34.90	1,629.07	-49.00	49.01	0.86	49.02	1.00	382,090.01	717,336.86
1,725.00	0.60	28.80	1,724.06	-50.11	50.12	1.57	50.15	1.80	382,091.12	717,337.57
1,820.00	0.50	3.20	1,819.05	-50.96	50.97	1.84	51.01	2.06	382,091.97	717,337.84
1,916.00	0.40	345.30	1,915.05	-51.70	51.72	1.77	51.75	1.96	382,092.72	717,337.77
2,011.00	0.40	359.70	2,010.05	-52.36	52.37	1.69	52.40	1.85	382,093.37	717,337.69
2,106.00	0.30	9.90	2,105.05	-52.93	52.95	1.73	52.97	1.87	382,093.95	717,337.73
2,200.00	0.00	75.80	2,199.05	-53.18	53.19	1.77	53.22	1.91	382,094.19	717,337.77
2,295.00	0.10	64.20	2,294.05	-53.21	53.22	1.85	53.26	1.99	382,094.22	717,337.85
2,390.00	0.20	343.10	2,389.05	-53.41	53.42	1.87	53.45	2.01	382,094.42	717,337.87
2,486.00	0.20	357.90	2,485.05	-53.73	53.75	1.82	53.78	1.94	382,094.75	717,337.82



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD83)
Site: Boros Federal
Well: No. 223H
Wellbore: OH
Design: MWD-156'-22700', PTB: 22764'

Local Co-ordinate Reference: Well No. 223H
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)
2,581.00	0.10	303.00	2,580.05	-53.94	53.96	1.74	53.99	1.85	382,094.96	717,337.74
2,676.00	0.00	251.60	2,675.05	-53.99	54.00	1.67	54.03	1.77	382,095.00	717,337.67
2,772.00	0.10	208.40	2,771.05	-53.92	53.93	1.63	53.95	1.73	382,094.93	717,337.63
2,867.00	0.10	260.40	2,866.05	-53.83	53.84	1.51	53.86	1.61	382,094.84	717,337.51
2,962.00	0.30	256.90	2,961.04	-53.76	53.77	1.19	53.78	1.26	382,094.77	717,337.19
3,057.00	0.30	226.60	3,056.04	-53.54	53.54	0.76	53.55	0.82	382,094.54	717,336.76
3,152.00	0.30	235.40	3,151.04	-53.23	53.23	0.38	53.23	0.41	382,094.23	717,336.38
3,247.00	0.20	232.60	3,246.04	-52.99	52.99	0.04	52.99	0.05	382,093.99	717,336.04
3,343.00	0.20	237.70	3,342.04	-52.80	52.80	-0.23	52.80	359.75	382,093.80	717,335.77
3,438.00	0.30	179.30	3,437.04	-52.46	52.46	-0.37	52.46	359.60	382,093.46	717,335.63
3,533.00	0.60	136.60	3,532.04	-51.85	51.85	-0.02	51.85	359.97	382,092.85	717,335.98
3,628.00	0.70	137.10	3,627.03	-51.06	51.07	0.71	51.07	0.80	382,092.07	717,336.71
3,724.00	1.10	136.30	3,723.02	-49.96	49.97	1.75	50.00	2.00	382,090.97	717,337.75
3,818.00	1.80	138.60	3,816.99	-48.19	48.21	3.35	48.33	3.97	382,089.21	717,339.35
3,914.00	2.10	135.90	3,912.93	-45.78	45.82	5.57	46.15	6.93	382,086.82	717,341.57
4,009.00	2.20	129.50	4,007.87	-43.35	43.41	8.19	44.17	10.68	382,084.41	717,344.19
4,104.00	1.30	107.20	4,102.82	-41.86	41.93	10.62	43.25	14.22	382,082.93	717,346.62
4,199.00	0.90	99.60	4,197.80	-41.40	41.48	12.39	43.29	16.63	382,082.48	717,348.39
4,294.00	1.00	105.40	4,292.79	-41.05	41.14	13.92	43.43	18.70	382,082.14	717,349.92
4,390.00	1.00	114.70	4,388.78	-40.47	40.57	15.49	43.42	20.90	382,081.57	717,351.49
4,485.00	1.00	110.30	4,483.76	-39.82	39.93	17.02	43.41	23.09	382,080.93	717,353.02
4,580.00	1.00	102.30	4,578.75	-39.35	39.47	18.61	43.64	25.24	382,080.47	717,354.61
4,675.00	1.00	100.20	4,673.73	-39.01	39.15	20.24	44.07	27.34	382,080.15	717,356.24
4,770.00	1.90	66.90	4,768.70	-39.47	39.62	22.50	45.56	29.59	382,080.62	717,358.50
4,866.00	4.00	59.20	4,864.57	-41.78	41.96	26.84	49.81	32.61	382,082.96	717,362.84
4,961.00	6.10	53.70	4,959.20	-46.42	46.64	33.76	57.57	35.89	382,087.64	717,369.76
5,056.00	7.00	46.10	5,053.58	-53.37	53.64	42.00	68.13	38.06	382,094.64	717,378.00



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD83)
Site: Boros Federal
Well: No. 223H
Wellbore: OH
Design: MWD-156'-22700', PTB: 22764'

Local Co-ordinate Reference: Well No. 223H
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)	
5,151.00	7.40	39.40	5,147.83	-62.06	62.39	50.05	79.98	38.74	382,103.39	717,386.05	
5,246.00	7.50	38.20	5,242.03	-71.61	71.98	57.77	92.30	38.75	382,112.98	717,393.77	
5,341.00	7.20	39.50	5,336.25	-81.03	81.45	65.39	104.45	38.76	382,122.45	717,401.39	
5,436.00	6.80	39.40	5,430.54	-89.92	90.39	72.74	116.03	38.83	382,131.39	717,408.74	
5,531.00	6.30	39.30	5,524.92	-98.25	98.77	79.62	126.86	38.87	382,139.77	717,415.62	
5,627.00	7.30	36.80	5,620.24	-107.17	107.73	86.61	138.23	38.80	382,148.73	717,422.61	
5,722.00	7.70	34.10	5,714.43	-117.23	117.83	93.79	150.60	38.52	382,158.83	717,429.79	
5,817.00	7.20	34.70	5,808.63	-127.34	128.00	100.75	162.89	38.21	382,169.00	717,436.75	
5,912.00	6.60	36.10	5,902.94	-136.61	137.30	107.35	174.29	38.02	382,178.30	717,443.35	
6,007.00	7.30	35.50	5,997.24	-145.89	146.63	114.07	185.78	37.88	382,187.63	717,450.07	
6,102.00	8.90	36.50	6,091.29	-156.66	157.45	121.95	199.15	37.76	382,198.45	717,457.95	
6,198.00	9.90	37.70	6,186.00	-169.10	169.95	131.42	214.83	37.71	382,210.95	717,467.42	
6,292.00	9.60	38.30	6,278.64	-181.58	182.49	141.21	230.75	37.73	382,223.49	717,477.21	
6,387.00	9.20	39.80	6,372.37	-193.57	194.55	150.99	246.26	37.81	382,235.55	717,486.99	
6,482.00	9.30	40.10	6,466.13	-205.21	206.25	160.79	261.52	37.94	382,247.25	717,496.79	
6,577.00	9.40	40.30	6,559.87	-216.93	218.04	170.75	276.94	38.07	382,259.04	717,506.75	
6,672.00	9.30	41.10	6,653.61	-228.57	229.74	180.82	292.36	38.20	382,270.74	717,516.82	
6,767.00	9.30	41.90	6,747.36	-240.00	241.24	190.99	307.69	38.37	382,282.24	717,526.99	
6,862.00	9.30	42.40	6,841.11	-251.32	252.62	201.29	323.01	38.55	382,293.62	717,537.29	
6,957.00	9.10	43.40	6,934.89	-262.38	263.75	211.63	338.16	38.74	382,304.75	717,547.63	
7,052.00	8.80	44.60	7,028.73	-272.94	274.38	221.89	352.88	38.96	382,315.38	717,557.89	
7,147.00	8.70	45.00	7,122.62	-283.13	284.64	232.08	367.26	39.19	382,325.64	717,568.08	
7,242.00	8.60	45.70	7,216.54	-293.11	294.68	242.24	381.47	39.42	382,335.68	717,578.24	
7,338.00	8.40	47.10	7,311.49	-302.83	304.46	252.51	395.55	39.67	382,345.46	717,588.51	
7,433.00	7.30	51.70	7,405.60	-311.23	312.93	262.33	408.34	39.97	382,353.93	717,598.33	
7,528.00	5.80	57.10	7,499.98	-317.52	319.28	271.10	418.85	40.34	382,360.28	717,607.10	
7,623.00	4.10	63.30	7,594.62	-321.61	323.41	278.17	426.58	40.70	382,364.41	717,614.17	



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 223H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 3254.50usft
Site:	Boros Federal	MD Reference:	Well @ 3254.50usft
Well:	No. 223H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD-156'-22700', PTB: 22764'	Database:	WellPlanner1

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
7,718.00	3.40	67.70	7,689.42	-324.17	326.01	283.81	432.23	41.04	382,367.01	717,619.81	
7,814.00	3.30	71.80	7,785.25	-326.08	327.95	289.07	437.16	41.39	382,368.95	717,625.07	
7,909.00	3.10	74.90	7,880.10	-327.57	329.47	294.14	441.67	41.76	382,370.47	717,630.14	
8,004.00	3.00	74.70	7,974.97	-328.86	330.80	299.02	445.92	42.11	382,371.80	717,635.02	
8,099.00	2.70	76.00	8,069.85	-330.03	331.99	303.59	449.87	42.44	382,372.99	717,639.59	
8,186.00	2.00	72.80	8,156.78	-330.95	332.94	307.03	452.90	42.68	382,373.94	717,643.03	
8,280.00	1.30	69.80	8,250.74	-331.79	333.79	309.60	455.27	42.85	382,374.79	717,645.60	
8,376.00	1.30	77.50	8,346.71	-332.38	334.40	311.68	457.13	42.99	382,375.40	717,647.68	
8,470.00	1.10	294.60	8,440.71	-332.99	335.01	311.90	457.73	42.95	382,376.01	717,647.90	
8,565.00	1.50	289.10	8,535.68	-333.79	335.80	309.90	456.94	42.70	382,376.80	717,645.90	
8,661.00	1.40	315.60	8,631.65	-335.05	337.05	307.89	456.50	42.41	382,378.05	717,643.89	
8,756.00	1.70	315.70	8,726.62	-336.90	338.88	306.09	456.66	42.09	382,379.88	717,642.09	
8,849.00	1.90	302.30	8,819.57	-338.73	340.69	303.83	456.49	41.73	382,381.69	717,639.83	
8,945.00	0.80	315.80	8,915.54	-340.07	342.03	302.02	456.28	41.45	382,383.03	717,638.02	
9,040.00	1.20	279.20	9,010.53	-340.71	342.66	300.57	455.81	41.26	382,383.66	717,636.57	
9,135.00	1.60	267.00	9,105.50	-340.82	342.75	298.26	454.36	41.03	382,383.75	717,634.26	
9,230.00	0.10	161.00	9,200.49	-340.68	342.60	296.97	453.39	40.92	382,383.60	717,632.97	
9,325.00	0.30	329.40	9,295.49	-340.81	342.74	296.87	453.43	40.90	382,383.74	717,632.87	
9,420.00	0.80	295.70	9,390.48	-341.32	343.24	296.14	453.34	40.79	382,384.24	717,632.14	
9,515.00	0.90	229.20	9,485.48	-341.13	343.04	294.98	452.43	40.69	382,384.04	717,630.98	
9,610.00	1.40	214.40	9,580.46	-339.69	341.59	293.76	450.54	40.69	382,382.59	717,629.76	
9,706.00	1.10	219.90	9,676.43	-338.02	339.92	292.51	448.45	40.71	382,380.92	717,628.51	
9,800.00	1.40	231.90	9,770.41	-336.63	338.52	291.02	446.42	40.69	382,379.52	717,627.02	
9,896.00	1.40	218.30	9,866.38	-335.00	336.87	289.37	444.10	40.66	382,377.87	717,625.37	
9,990.00	1.30	222.80	9,960.36	-333.32	335.19	287.94	441.88	40.66	382,376.19	717,623.94	
10,085.00	1.70	221.40	10,055.32	-331.49	333.34	286.27	439.40	40.66	382,374.34	717,622.27	
10,180.00	1.70	215.30	10,150.28	-329.29	331.14	284.53	436.59	40.67	382,372.14	717,620.53	



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD83)
Site: Boros Federal
Well: No. 223H
Wellbore: OH
Design: MWD-156'-22700', PTB: 22764'

Local Co-ordinate Reference: Well No. 223H
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)	
10,276.00	1.40	220.70	10,246.25	-327.25	329.09	282.94	434.00	40.69	382,370.09	717,618.94	
10,371.00	1.70	216.50	10,341.21	-325.25	327.07	281.35	431.43	40.70	382,368.07	717,617.35	
10,466.00	1.20	203.30	10,436.18	-323.21	325.03	280.11	429.08	40.76	382,366.03	717,616.11	
10,561.00	1.10	195.20	10,531.16	-321.42	323.23	279.48	427.30	40.85	382,364.23	717,615.48	
10,656.00	1.10	211.30	10,626.15	-319.77	321.57	278.77	425.58	40.92	382,362.57	717,614.77	
10,751.00	1.00	229.30	10,721.13	-318.45	320.25	277.67	423.86	40.93	382,361.25	717,613.67	
10,847.00	1.00	242.40	10,817.12	-317.53	319.32	276.29	422.26	40.87	382,360.32	717,612.29	
10,942.00	1.30	240.20	10,912.10	-316.62	318.40	274.62	420.47	40.78	382,359.40	717,610.62	
11,037.00	1.30	229.60	11,007.07	-315.40	317.17	272.86	418.39	40.71	382,358.17	717,608.86	
11,132.00	1.50	217.20	11,102.04	-313.72	315.48	271.29	416.08	40.69	382,356.48	717,607.29	
11,226.00	1.50	218.00	11,196.01	-311.78	313.53	269.79	413.63	40.71	382,354.53	717,605.79	
11,321.00	1.30	203.60	11,290.98	-309.82	311.56	268.59	411.35	40.76	382,352.56	717,604.59	
11,417.00	1.50	204.20	11,386.95	-307.68	309.42	267.64	409.11	40.86	382,350.42	717,603.64	
11,512.00	1.60	190.70	11,481.92	-305.25	306.98	266.89	406.77	41.00	382,347.98	717,602.89	
11,607.00	1.60	200.00	11,576.88	-302.70	304.43	266.19	404.39	41.17	382,345.43	717,602.19	
11,702.00	1.50	209.50	11,671.85	-300.38	302.10	265.12	401.94	41.27	382,343.10	717,601.12	
11,797.00	1.50	197.50	11,766.82	-298.12	299.83	264.13	399.58	41.38	382,340.83	717,600.13	
11,892.00	1.50	195.60	11,861.78	-295.74	297.45	263.43	397.33	41.53	382,338.45	717,599.43	
11,934.00	1.50	200.60	11,903.77	-294.70	296.41	263.08	396.32	41.59	382,337.41	717,599.08	
12,083.00	2.50	169.20	12,052.68	-289.68	291.39	263.01	392.53	42.07	382,332.39	717,599.01	
12,114.00	4.90	155.90	12,083.61	-287.81	289.51	263.67	391.59	42.33	382,330.51	717,599.67	
12,178.00	8.90	144.30	12,147.14	-281.26	283.00	267.68	389.54	43.41	382,324.00	717,603.68	
12,209.00	10.60	142.40	12,177.69	-277.03	278.79	270.82	388.67	44.17	382,319.79	717,606.82	
12,274.00	14.40	146.50	12,241.14	-265.50	267.31	278.93	386.34	46.22	382,308.31	717,614.93	
12,306.00	22.20	154.90	12,271.50	-256.66	258.50	283.70	383.81	47.66	382,299.50	717,619.70	
12,337.00	29.70	160.40	12,299.36	-244.07	245.94	288.77	379.31	49.58	382,286.94	717,624.77	
12,377.00	39.40	163.00	12,332.27	-222.50	224.42	295.82	371.31	52.82	382,265.42	717,631.82	



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 223H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 3254.50usft
Site:	Boros Federal	MD Reference:	Well @ 3254.50usft
Well:	No. 223H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD-156'-22700', PTB: 22764'	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)	
12,409.00	45.70	163.10	12,355.83	-201.77	203.73	302.13	364.40	56.01	382,244.73	717,638.13	
12,441.00	50.00	162.50	12,377.30	-179.07	181.07	309.14	358.27	59.64	382,222.07	717,645.14	
12,472.00	53.00	161.60	12,396.60	-155.95	157.99	316.62	353.85	63.48	382,198.99	717,652.62	
12,504.00	55.00	160.90	12,415.41	-131.38	133.48	324.95	351.29	67.67	382,174.48	717,660.95	
12,536.00	56.30	158.10	12,433.46	-106.58	108.74	334.20	351.45	71.98	382,149.74	717,670.20	
12,567.00	58.20	161.10	12,450.24	-82.09	84.31	343.28	353.48	76.20	382,125.31	717,679.28	
12,581.50	58.64	161.33	12,457.83	-70.37	72.61	347.26	354.77	78.19	382,113.61	717,683.26	
FTP: 12581.5' MD											
12,662.00	61.10	162.60	12,498.24	-4.03	6.41	368.80	368.86	89.00	382,047.41	717,704.80	
12,757.00	64.40	164.70	12,541.73	77.15	-74.62	392.55	399.58	100.76	381,966.38	717,728.55	
12,789.00	68.00	165.30	12,554.64	105.48	-102.89	400.12	413.14	104.42	381,938.11	717,736.12	
12,852.00	74.40	164.90	12,574.93	163.18	-160.50	415.45	445.38	111.12	381,880.50	717,751.45	
12,947.00	78.30	167.80	12,597.35	253.00	-250.18	437.21	503.73	119.78	381,790.82	717,773.21	
13,043.00	82.30	171.40	12,613.53	346.15	-343.22	454.27	569.36	127.07	381,697.78	717,790.27	
13,137.00	90.40	178.80	12,619.52	439.53	-436.55	462.25	635.80	133.36	381,604.45	717,798.25	
13,231.00	86.40	180.20	12,622.14	533.47	-530.49	463.07	704.16	138.88	381,510.51	717,799.07	
13,326.00	89.80	179.70	12,625.29	628.40	-625.42	463.15	778.24	143.48	381,415.58	717,799.15	
13,420.00	89.30	176.60	12,626.03	722.35	-719.36	466.18	857.21	147.05	381,321.64	717,802.18	
13,515.00	89.20	172.70	12,627.27	816.97	-813.92	475.04	942.40	149.73	381,227.08	717,811.04	
13,610.00	88.70	171.90	12,629.02	911.18	-908.04	487.77	1,030.76	151.76	381,132.96	717,823.77	
13,705.00	88.90	172.20	12,631.00	1,005.32	-1,002.11	500.90	1,120.33	153.44	381,038.89	717,836.90	
13,800.00	89.00	174.10	12,632.75	1,099.70	-1,096.41	512.23	1,210.17	154.96	380,944.59	717,848.23	
13,894.00	88.50	174.60	12,634.80	1,193.28	-1,189.93	521.48	1,299.19	156.33	380,851.07	717,857.48	
13,989.00	88.80	177.50	12,637.04	1,288.05	-1,284.67	528.02	1,388.95	157.66	380,756.33	717,864.02	
14,083.00	88.30	178.60	12,639.41	1,381.99	-1,378.58	531.22	1,477.39	158.93	380,662.42	717,867.22	
14,178.00	88.70	176.20	12,641.90	1,476.87	-1,473.45	535.53	1,567.75	160.03	380,567.55	717,871.53	
14,249.00	91.80	177.80	12,641.59	1,547.79	-1,544.34	539.24	1,635.78	160.75	380,496.66	717,875.24	



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD83)
Site: Boros Federal
Well: No. 223H
Wellbore: OH
Design: MWD-156'-22700', PTB: 22764'

Local Co-ordinate Reference: Well No. 223H
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)
14,274.00	89.40	177.80	12,641.33	1,572.77	-1,569.32	540.20	1,659.69	161.01	380,471.68	717,876.20
14,308.00	88.60	179.00	12,641.92	1,606.76	-1,603.30	541.15	1,692.16	161.35	380,437.70	717,877.15
14,369.00	88.10	182.60	12,643.68	1,667.71	-1,664.26	540.30	1,749.76	162.01	380,376.74	717,876.30
14,401.00	88.40	184.00	12,644.66	1,699.63	-1,696.19	538.46	1,779.60	162.39	380,344.81	717,874.46
14,432.00	89.00	185.10	12,645.36	1,730.51	-1,727.08	536.00	1,808.34	162.76	380,313.92	717,872.00
14,464.00	89.00	185.10	12,645.92	1,762.36	-1,758.95	533.16	1,837.98	163.14	380,282.05	717,869.16
14,495.00	87.70	183.90	12,646.81	1,793.23	-1,789.84	530.73	1,866.87	163.48	380,251.16	717,866.73
14,550.00	90.20	182.70	12,647.82	1,848.10	-1,844.73	527.56	1,918.69	164.04	380,196.27	717,863.56
14,582.00	88.10	179.90	12,648.29	1,880.08	-1,876.72	526.84	1,949.26	164.32	380,164.28	717,862.84
14,614.00	88.80	179.10	12,649.16	1,912.07	-1,908.70	527.12	1,980.15	164.56	380,132.30	717,863.12
14,645.00	89.30	179.10	12,649.67	1,943.06	-1,939.70	527.60	2,010.17	164.78	380,101.30	717,863.60
14,677.00	88.70	176.90	12,650.23	1,975.04	-1,971.67	528.72	2,041.33	164.99	380,069.33	717,864.72
14,708.00	89.10	176.40	12,650.83	2,005.99	-2,002.61	530.53	2,071.69	165.16	380,038.39	717,866.53
14,739.00	88.80	176.70	12,651.40	2,036.94	-2,033.55	532.39	2,102.09	165.33	380,007.45	717,868.39
14,771.00	89.40	176.50	12,651.90	2,068.90	-2,065.49	534.29	2,133.47	165.50	379,975.51	717,870.29
14,835.00	88.80	176.20	12,652.90	2,132.78	-2,129.35	538.37	2,196.35	165.81	379,911.65	717,874.37
14,929.00	88.20	178.90	12,655.36	2,226.68	-2,223.22	542.38	2,288.43	166.29	379,817.78	717,878.38
14,961.00	88.20	179.60	12,656.37	2,258.66	-2,255.20	542.80	2,319.61	166.47	379,785.80	717,878.80
15,024.00	89.20	177.80	12,657.80	2,321.63	-2,318.17	544.23	2,381.20	166.79	379,722.83	717,880.23
15,119.00	90.20	178.30	12,658.30	2,416.60	-2,413.11	547.46	2,474.43	167.22	379,627.89	717,883.46
15,214.00	88.20	180.60	12,659.62	2,511.57	-2,508.09	548.38	2,567.34	167.67	379,532.91	717,884.38
15,309.00	90.90	181.40	12,660.37	2,606.53	-2,603.06	546.72	2,659.85	168.14	379,437.94	717,882.72
15,404.00	88.50	177.10	12,660.87	2,701.50	-2,698.02	547.96	2,753.10	168.52	379,342.98	717,883.96
15,499.00	91.60	183.30	12,660.78	2,796.44	-2,792.96	547.63	2,846.14	168.91	379,248.04	717,883.63
15,594.00	87.50	182.90	12,661.53	2,891.24	-2,887.80	542.49	2,938.31	169.36	379,153.20	717,878.49
15,689.00	92.40	183.70	12,661.61	2,986.02	-2,982.61	537.03	3,030.57	169.79	379,058.39	717,873.03
15,784.00	87.60	181.40	12,661.61	3,080.86	-3,077.48	532.80	3,123.26	170.18	378,963.52	717,868.80



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 223H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 3254.50usft
Site:	Boros Federal	MD Reference:	Well @ 3254.50usft
Well:	No. 223H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD-156'-22700', PTB: 22764'	Database:	WellPlanner1

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
15,879.00	90.20	179.70	12,663.44	3,175.82	-3,172.45	531.89	3,216.73	170.48	378,868.55	717,867.89
15,973.00	90.60	177.80	12,662.78	3,269.80	-3,266.42	533.94	3,309.77	170.72	378,774.58	717,869.94
16,068.00	90.90	178.50	12,661.54	3,364.76	-3,361.36	537.01	3,403.99	170.92	378,679.64	717,873.01
16,163.00	90.20	178.80	12,660.62	3,459.74	-3,456.33	539.24	3,498.14	171.13	378,584.67	717,875.24
16,258.00	90.60	176.80	12,659.96	3,554.69	-3,551.25	542.89	3,592.51	171.31	378,489.75	717,878.89
16,353.00	89.70	179.70	12,659.71	3,649.65	-3,646.20	545.79	3,686.82	171.49	378,394.80	717,881.79
16,448.00	89.20	178.60	12,660.62	3,744.64	-3,741.18	547.20	3,780.99	171.68	378,299.82	717,883.20
16,543.00	91.60	180.10	12,659.96	3,839.62	-3,836.16	548.28	3,875.15	171.87	378,204.84	717,884.28
16,638.00	91.00	181.10	12,657.81	3,934.58	-3,931.13	547.28	3,969.05	172.07	378,109.87	717,883.28
16,733.00	91.30	176.20	12,655.90	4,029.52	-4,026.06	549.52	4,063.39	172.23	378,014.94	717,885.52
16,829.00	90.70	174.70	12,654.22	4,125.25	-4,121.74	557.14	4,159.22	172.30	377,919.26	717,893.14
16,924.00	90.60	175.60	12,653.14	4,219.95	-4,216.39	565.17	4,254.10	172.37	377,824.61	717,901.17
17,020.00	90.90	177.90	12,651.89	4,315.82	-4,312.22	570.61	4,349.81	172.46	377,728.78	717,906.61
17,115.00	90.80	183.20	12,650.48	4,410.76	-4,407.17	569.70	4,443.84	172.63	377,633.83	717,905.70
17,210.00	90.40	180.70	12,649.48	4,505.67	-4,502.10	566.46	4,537.60	172.83	377,538.90	717,902.46
17,273.00	90.30	184.40	12,649.10	4,568.57	-4,565.03	563.66	4,599.70	172.96	377,475.97	717,899.66
17,304.00	91.30	187.90	12,648.66	4,599.37	-4,595.84	560.34	4,629.88	173.05	377,445.16	717,896.34
17,335.00	92.00	189.00	12,647.77	4,629.99	-4,626.49	555.79	4,659.76	173.15	377,414.51	717,891.79
17,367.00	92.10	191.80	12,646.63	4,661.40	-4,657.94	550.02	4,690.31	173.27	377,383.06	717,886.02
17,398.00	91.80	194.10	12,645.57	4,691.55	-4,688.14	543.07	4,719.49	173.39	377,352.86	717,879.07
17,417.00	91.50	193.70	12,645.03	4,709.95	-4,706.57	538.51	4,737.28	173.47	377,334.43	717,874.51
17,449.00	91.60	192.30	12,644.16	4,741.07	-4,737.74	531.32	4,767.44	173.60	377,303.26	717,867.32
17,480.00	91.30	189.40	12,643.37	4,771.47	-4,768.17	525.48	4,797.04	173.71	377,272.83	717,861.48
17,512.00	90.60	186.20	12,642.84	4,803.13	-4,799.87	521.14	4,828.08	173.80	377,241.13	717,857.14
17,608.00	89.50	178.30	12,642.76	4,898.96	-4,895.72	517.38	4,922.98	173.97	377,145.28	717,853.38
17,639.00	89.60	176.90	12,643.00	4,929.93	-4,926.69	518.67	4,953.91	173.99	377,114.31	717,854.67
17,703.00	91.40	180.10	12,642.45	4,993.91	-4,990.65	520.35	5,017.71	174.05	377,050.35	717,856.35



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD83)
Site: Boros Federal
Well: No. 223H
Wellbore: OH
Design: MWD-156'-22700', PTB: 22764'

Local Co-ordinate Reference: Well No. 223H
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)	
17,797.00	91.30	183.70	12,640.23	5,087.79	-5,084.56	517.23	5,110.80	174.19	376,956.44	717,853.23	
17,892.00	91.30	178.40	12,638.07	5,182.71	-5,179.48	515.49	5,205.07	174.32	376,861.52	717,851.49	
17,987.00	90.50	173.90	12,636.58	5,277.49	-5,274.23	521.87	5,299.99	174.35	376,766.77	717,857.87	
18,082.00	91.30	181.20	12,635.09	5,372.35	-5,369.07	525.93	5,394.77	174.41	376,671.93	717,861.93	
18,176.00	90.40	180.90	12,633.69	5,466.31	-5,463.04	524.21	5,488.14	174.52	376,577.96	717,860.21	
18,271.00	90.30	182.20	12,633.11	5,561.26	-5,558.00	521.64	5,582.43	174.64	376,483.00	717,857.64	
18,366.00	90.20	183.40	12,632.70	5,656.11	-5,652.89	517.00	5,676.48	174.77	376,388.11	717,853.00	
18,460.00	91.00	184.80	12,631.71	5,749.81	-5,746.64	510.28	5,769.25	174.93	376,294.36	717,846.28	
18,554.00	91.10	180.70	12,629.99	5,843.64	-5,840.50	505.77	5,862.35	175.05	376,200.50	717,841.77	
18,648.00	91.80	179.90	12,627.61	5,937.60	-5,934.46	505.28	5,955.93	175.13	376,106.54	717,841.28	
18,743.00	89.50	179.90	12,626.53	6,032.59	-6,029.45	505.44	6,050.60	175.21	376,011.55	717,841.44	
18,839.00	91.70	183.70	12,625.53	6,128.49	-6,125.37	502.43	6,145.94	175.31	375,915.63	717,838.43	
18,934.00	91.00	185.90	12,623.29	6,223.07	-6,220.01	494.48	6,239.63	175.45	375,820.99	717,830.48	
19,029.00	91.20	183.50	12,621.46	6,317.68	-6,314.66	486.70	6,333.39	175.59	375,726.34	717,822.70	
19,124.00	90.50	179.50	12,620.05	6,412.59	-6,409.60	484.21	6,427.86	175.68	375,631.40	717,820.21	
19,220.00	90.40	180.20	12,619.30	6,508.59	-6,505.60	484.46	6,523.61	175.74	375,535.40	717,820.46	
19,314.00	90.90	180.70	12,618.23	6,602.57	-6,599.59	483.73	6,617.29	175.81	375,441.41	717,819.73	
19,408.00	91.30	180.70	12,616.43	6,696.54	-6,693.56	482.58	6,710.94	175.88	375,347.44	717,818.58	
19,503.00	91.70	177.70	12,613.94	6,791.49	-6,788.51	483.90	6,805.74	175.92	375,252.49	717,819.90	
19,597.00	90.90	175.90	12,611.81	6,885.35	-6,882.33	489.15	6,899.70	175.93	375,158.67	717,825.15	
19,692.00	91.30	177.00	12,609.99	6,980.18	-6,977.13	495.03	6,994.67	175.94	375,063.87	717,831.03	
19,787.00	91.70	179.00	12,607.50	7,075.11	-7,072.04	498.34	7,089.57	175.97	374,968.96	717,834.34	
19,882.00	91.00	179.70	12,605.26	7,170.08	-7,167.00	499.42	7,184.38	176.01	374,874.00	717,835.42	
19,976.00	90.70	181.30	12,603.87	7,264.06	-7,260.99	498.60	7,278.09	176.07	374,780.01	717,834.60	
20,071.00	89.90	178.30	12,603.37	7,359.04	-7,355.97	498.93	7,372.87	176.12	374,685.03	717,834.93	
20,166.00	91.50	177.40	12,602.21	7,453.99	-7,450.90	502.50	7,467.82	176.14	374,590.10	717,838.50	
20,262.00	91.60	177.60	12,599.61	7,549.88	-7,546.77	506.68	7,563.76	176.16	374,494.23	717,842.68	



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 223H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 3254.50usft
Site:	Boros Federal	MD Reference:	Well @ 3254.50usft
Well:	No. 223H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD-156'-22700', PTB: 22764'	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)
20,357.00	91.20	177.30	12,597.29	7,644.79	-7,641.65	510.91	7,658.71	176.17	374,399.35	717,846.91
20,452.00	87.40	176.20	12,598.45	7,739.64	-7,736.47	516.29	7,753.68	176.18	374,304.53	717,852.29
20,548.00	90.20	177.00	12,600.46	7,835.47	-7,832.27	521.98	7,849.64	176.19	374,208.73	717,857.98
20,642.00	90.30	172.10	12,600.05	7,929.08	-7,925.81	530.91	7,943.57	176.17	374,115.19	717,866.91
20,674.00	90.70	170.70	12,599.77	7,960.74	-7,957.45	535.69	7,975.46	176.15	374,083.55	717,871.69
20,737.00	90.50	173.70	12,599.11	8,023.21	-8,019.86	544.24	8,038.30	176.12	374,021.14	717,880.24
20,769.00	90.50	178.10	12,598.83	8,055.13	-8,051.77	546.53	8,070.29	176.12	373,989.23	717,882.53
20,832.00	90.90	182.60	12,598.06	8,118.10	-8,114.74	546.14	8,133.10	176.15	373,926.26	717,882.14
20,928.00	91.40	189.40	12,596.13	8,213.43	-8,210.14	536.12	8,227.63	176.26	373,830.86	717,872.12
20,959.00	89.90	188.60	12,595.78	8,244.02	-8,240.76	531.27	8,257.87	176.31	373,800.24	717,867.27
20,991.00	89.90	186.90	12,595.84	8,275.70	-8,272.46	526.95	8,289.23	176.36	373,768.54	717,862.95
21,022.00	90.10	185.30	12,595.84	8,306.50	-8,303.29	523.66	8,319.78	176.39	373,737.71	717,859.66
21,117.00	90.40	183.20	12,595.42	8,401.18	-8,398.02	516.62	8,413.90	176.48	373,642.98	717,852.62
21,212.00	91.00	182.20	12,594.26	8,496.04	-8,492.91	512.15	8,508.33	176.55	373,548.09	717,848.15
21,244.00	90.60	182.00	12,593.81	8,528.00	-8,524.88	510.97	8,540.18	176.57	373,516.12	717,846.97
21,306.00	89.20	178.00	12,593.92	8,589.99	-8,586.87	510.97	8,602.06	176.59	373,454.13	717,846.97
21,401.00	90.30	178.20	12,594.34	8,684.95	-8,681.81	514.12	8,697.02	176.61	373,359.19	717,850.12
21,496.00	91.60	180.00	12,592.76	8,779.93	-8,776.78	515.61	8,791.91	176.64	373,264.22	717,851.61
21,591.00	90.80	179.00	12,590.77	8,874.91	-8,871.76	516.44	8,886.77	176.67	373,169.24	717,852.44
21,686.00	91.20	177.70	12,589.11	8,969.87	-8,966.70	519.18	8,981.72	176.69	373,074.30	717,855.18
21,781.00	91.00	177.00	12,587.29	9,064.77	-9,061.58	523.57	9,076.69	176.69	372,979.42	717,859.57
21,876.00	91.00	179.90	12,585.63	9,159.73	-9,156.52	526.14	9,171.62	176.71	372,884.48	717,862.14
21,971.00	91.00	182.60	12,583.97	9,254.67	-9,251.47	524.07	9,266.31	176.76	372,789.53	717,860.07
22,065.00	90.40	183.40	12,582.83	9,348.50	-9,345.34	519.15	9,359.75	176.82	372,695.66	717,855.15
22,160.00	91.00	181.50	12,581.67	9,443.37	-9,440.24	515.09	9,454.28	176.88	372,600.76	717,851.09
22,254.00	89.10	179.90	12,581.58	9,537.34	-9,534.22	513.94	9,548.07	176.91	372,506.78	717,849.94
22,349.00	90.00	181.00	12,582.33	9,632.33	-9,629.22	513.19	9,642.88	176.95	372,411.78	717,849.19



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 223H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 3254.50usft
Site:	Boros Federal	MD Reference:	Well @ 3254.50usft
Well:	No. 223H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD-156'-22700', PTB: 22764'	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)	
22,443.00	89.90	181.10	12,582.41	9,726.30	-9,723.20	511.47	9,736.64	176.99	372,317.80	717,847.47	
22,539.00	89.70	182.20	12,582.75	9,822.24	-9,819.16	508.71	9,832.33	177.03	372,221.84	717,844.71	
22,633.00	90.50	183.20	12,582.58	9,916.10	-9,913.05	504.28	9,925.87	177.09	372,127.95	717,840.28	
22,650.20	90.24	183.15	12,582.47	9,933.27	-9,930.23	503.33	9,942.97	177.10	372,110.77	717,839.33	
LTP: 22650.2' MD											
22,700.00	89.50	183.00	12,582.58	9,982.98	-9,979.95	500.66	9,992.50	177.13	372,061.05	717,836.66	
Last Survey: 22700' MD											
22,764.00	89.50	183.00	12,583.14	10,046.87	-10,043.86	497.31	10,056.17	177.17	371,997.14	717,833.31	
PTB: 22764' MD											

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
156.00	156.00	0.72	-0.39	Pro MWD First Survey: 156' MD	
12,581.50	12,457.83	72.61	347.26	FTP: 12581.5' MD	
22,650.20	12,582.47	-9,930.23	503.33	LTP: 22650.2' MD	
22,700.00	12,582.58	-9,979.95	500.66	Last Survey: 22700' MD	
22,764.00	12,583.14	-10,043.86	497.31	PTB: 22764' MD	