

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

RECEIVED

JAN 10 2020

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

EMNRD-OCD ARTESIA

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-46176	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP(GAS)
⁴ Property Code 325915	⁵ Property Name DR. LANA WHITE COM.	⁶ Well Number 203H
⁷ GRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 2942'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	13	24-S	28-E	-	1837'	SOUTH	310'	EAST	EDDY

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	18	24-S	29-E	-	2141'	SOUTH	244'	EAST	EDDY

¹² Dedicated Acres 319.60	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.

16 SURFACE LOCATION NEW MEXICO EAST NAD 1927 X=592960 Y=442180 LAT.: N 32.2153121 LONG.: W 104.0327543 NAD 1983 X=634143 Y=442239 LAT.: N 32.2154344 LONG.: W 104.0332446 ELEV = 2942'	KICKOFF POINT NEW MEXICO EAST NAD 1927 X=592975 Y=442515 LAT.: N 32.2162335 LONG.: W 104.0327014 NAD 1983 X=634159 Y=442574 LAT.: N 32.2163558 LONG.: W 104.0331918 MD = 9267'	FIRST PERF POINT NEW MEXICO EAST NAD 1927 X=593624 Y=442507 LAT.: N 32.2162056 LONG.: W 104.0306038 NAD 1983 X=634808 Y=442566 LAT.: N 32.2163280 LONG.: W 104.0310941 MD = 10215'	LAST PERF POINT NEW MEXICO EAST NAD 1927 X=598174 Y=442498 LAT.: N 32.2161445 LONG.: W 104.0158918 NAD 1983 X=639358 Y=442556 LAT.: N 32.2162670 LONG.: W 104.0163815 MD = 14774'	BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1927 X=598318 Y=442492 LAT.: N 32.2161287 LONG.: W 104.0154251 NAD 1983 X=639502 Y=442551 LAT.: N 32.2162512 LONG.: W 104.0159147 MD = 14920'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Sara Hartsfield</i> 01/07/20 Signature Date Sara Hartsfield Printed Name shartsfield@matadorresources.com E-mail Address
18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief. 05/05/2016 Date of Survey <i>ANGEL M. DIAZ</i> Signature and Seal of Professional Surveyor ANGEL M. DIAZ PROFESSIONAL SURVEYOR 25116 Certificate Number					19 PENETRATION POINT NEW MEXICO EAST NAD 27 X=593128 Y=442535 LAT.: N 32.2162865 LONG.: W 104.0322082 MD = 9678' NAD 83 X=634808 Y=442566 LAT.: N 32.2163280 LONG.: W 104.0310941 MD = 9678'

RW 3-12-20

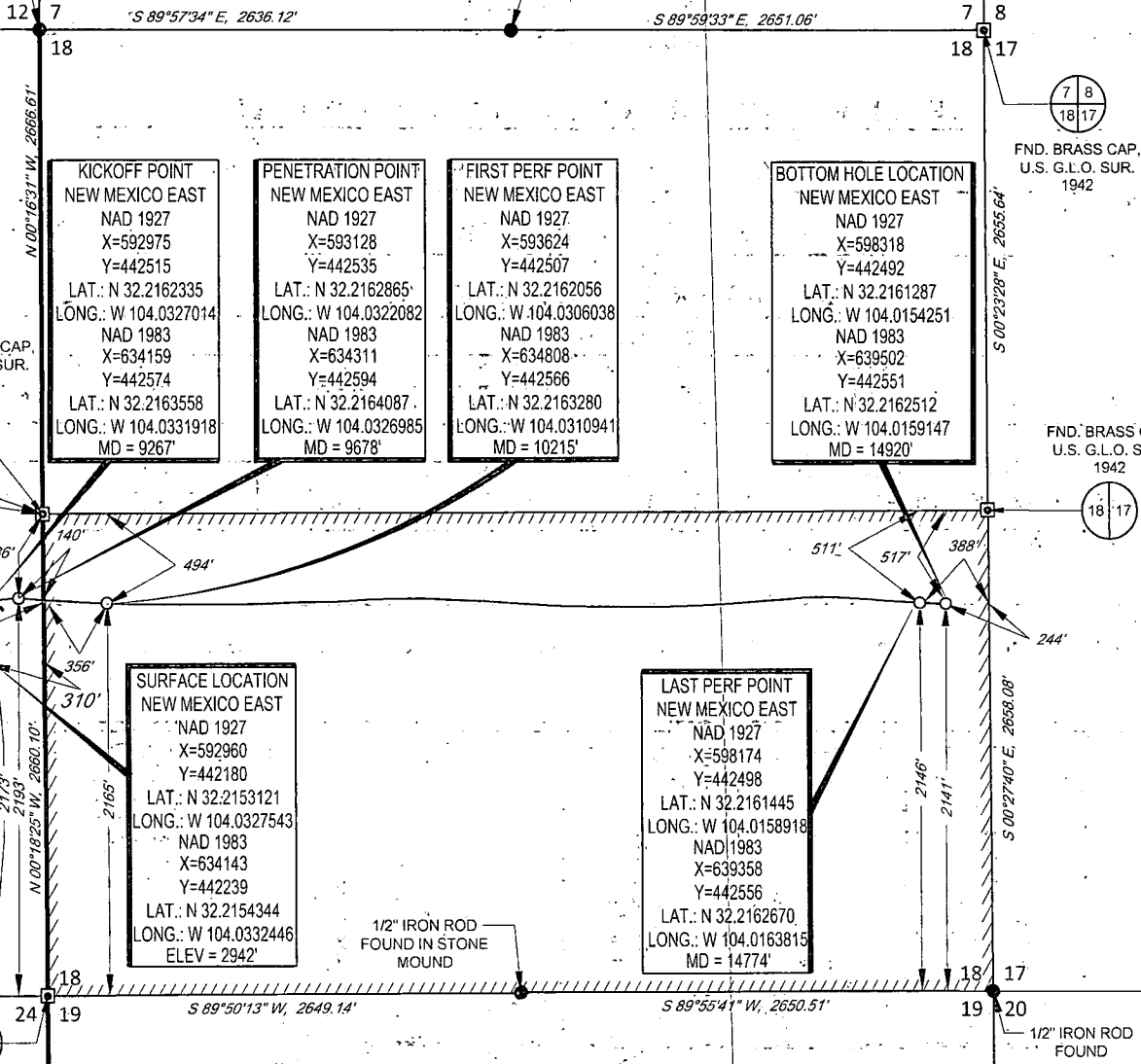
SCALE: 1" = 1000'

0' 500' 1000'

SECTION 13, TOWNSHIP 24-S, RANGE 28-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

5/8" IRON ROD FOUND

1/2" IRON ROD FOUND



FND. BRASS CAP.
U.S. G.L.O. SUR.
1942

FND. BRASS CAP.
U.S. G.L.O. SUR.
1942

FND. BRASS CAP.
U.S. G.L.O. SUR.
1942

FND. BRASS CAP.
U.S. G.L.O. SUR.
1942

LEASE NAME & WELL NO.: DR. LANA WHITE COM 203H
SECTION 13 TWP 24-S RGE 28-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM ELEVATION 2942'
DESCRIPTION 1837' FSL & 310' FEL



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
NOVEMBER 25, 2019

DR. LANA WHITE COM 203H "AS-COMPLETED"	REVISION:	
	INT	DATE
DATE: 11/25/19		
FILE: AD_DR_LANA_WHITE_COM_203H.		
DRAWN BY: AMD		
SHEET: 1 OF 1		

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 EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

Intent ☐ As Drilled ☒

API #
30-015-46176

Operator Name: MATADOR PRODUCTION COMPANY	Property Name: DR LANA WHITE COM	Well Number 203H
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Kick Off Point (KOP)

UL I	Section 13	Township 24S	Range 28E	Lot	Feet 2173	From N/S S	Feet 293	From E/W E	County EDDY
Latitude N 32.2163558					Longitude W 104.0331918			NAD 83	

First Take Point (FTP)

UL L	Section 18	Township 24S	Range 29E	Lot	Feet 2166	From N/S S	Feet 356	From E/W W	County EDDY
Latitude N 32.2163280					Longitude W 104.0310941			NAD 83	

Last Take Point (LTP)

UL I	Section 18	Township 24S	Range 29E	Lot	Feet 2146	From N/S S	Feet 388	From E/W E	County EDDY
Latitude N 32.2162588					Longitude W 104.061940			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit? ☒

Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #
30-015-46177

Operator Name: MATADOR PRODUCTION COMPANY	Property Name: DR LANA WHITE COM	Well Number 217H
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KZ 06/29/2018



RECEIVED

FEB 21, 2020



Dr. Lana White Com No. 203H

Eddy County, NM

November 18, 2019

Job No. LNM5518319

ORIGINAL

Certified Report



PRODIRECTIONAL

Survey Certification Letter

November 18, 2019



Operator Name: Matador Resources
Well Name: Dr. Lana White Com No. 203H
County/Parish: Eddy County,
State: NM
Rig Name: Patterson 297
Job Number: LNM5518319

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	488' MD – 14,855' MD	14,935' MD	07/31/19 – 09/10/19	MWD

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

Eddy County, NM
Dr. Lana White Com
No. 203H
OH

Survey: ProDirectional

Survey Report

18 November, 2019





ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 203H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 2970.50usft
Site:	Dr. Lana White Com	MD Reference:	Well @ 2970.50usft
Well:	No. 203H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD	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:	Dr. Lana White Com				
Site Position:	Northings:	442,208.00 usft	Latitude:	32.215351	
From:	Map	Easting:	634,114.00 usft	Longitude:	-104.033340
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.16 °

Well:	No. 203H, LTX5518319					
Well Position	+N/-S	0.00 usft	Northings:	442,239.00 usft	Latitude:	32.215436
	+E/-W	0.00 usft	Easting:	634,143.00 usft	Longitude:	-104.033246
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft	Ground Level:	2,942.00 usft	

Wellbore:	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	HDGM	7/27/2019	7.02	59.95	47,880.50

Design:	MWD				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.00	0.00	0.00	89.88	



ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 203H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 2970.50usft
Site:	Dr. Lana White Com	MD Reference:	Well @ 2970.50usft
Well:	No. 203H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD	Database:	WellPlanner1

Survey Program		Date 11/18/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
137.00	362.00	Survey #1 (OH)	VESSI_GYRO_DROP	VESSI Gyroflex GS2 Drop
488.00	14,935.00	Survey #2 (OH)	MWD+HDGM	OWSG MWD + HRGM

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	442,239.00	634,143.00
137.00	0.70	170.80	137.00	0.13	-0.83	0.13	0.84	170.80	442,238.17	634,143.13
198.00	0.80	166.80	197.99	0.29	-1.61	0.29	1.63	169.76	442,237.39	634,143.29
232.00	0.60	162.80	231.99	0.39	-2.01	0.40	2.05	168.81	442,236.99	634,143.40
285.00	0.50	187.80	284.99	0.44	-2.50	0.45	2.54	169.85	442,236.50	634,143.45
362.00	0.90	170.80	361.98	0.49	-3.43	0.50	3.47	171.73	442,235.57	634,143.50
488.00	0.30	151.60	487.97	0.80	-4.70	0.81	4.77	170.17	442,234.30	634,143.81
Pro MWD First Survey: 488' MD										
684.00	0.30	162.90	683.97	1.20	-5.64	1.21	5.77	167.90	442,233.36	634,144.21
866.00	0.20	119.90	865.97	1.61	-6.26	1.62	6.46	165.44	442,232.74	634,144.62
1,047.00	0.10	161.40	1,046.97	1.94	-6.56	1.95	6.85	163.46	442,232.44	634,144.95
1,227.00	0.20	197.20	1,226.97	1.89	-7.01	1.91	7.27	164.79	442,231.99	634,144.91
1,408.00	0.20	227.30	1,407.97	1.56	-7.53	1.58	7.69	168.14	442,231.47	634,144.58
1,595.00	0.20	194.90	1,594.97	1.24	-8.07	1.26	8.16	171.14	442,230.93	634,144.26
1,782.00	0.50	68.70	1,781.96	1.92	-8.08	1.93	8.31	166.55	442,230.92	634,144.93
1,969.00	3.80	26.50	1,968.81	5.45	-2.24	5.46	5.90	112.31	442,236.76	634,148.46
2,156.00	3.10	54.30	2,155.48	12.34	6.26	12.33	13.83	63.10	442,245.26	634,155.33
2,343.00	3.10	80.10	2,342.22	21.44	10.08	21.42	23.67	64.81	442,249.08	634,164.42
2,437.00	3.30	93.30	2,436.07	26.65	10.36	26.62	28.57	68.74	442,249.36	634,169.62
2,530.00	3.60	96.00	2,528.90	32.22	9.90	32.20	33.69	72.91	442,248.90	634,175.20
2,682.00	2.60	93.30	2,680.68	40.41	9.20	40.39	41.42	77.17	442,248.20	634,183.39



ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 203H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 2970.50usft
Site:	Dr. Lana White Com	MD Reference:	Well @ 2970.50usft
Well:	No. 203H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD	Database:	WellPlanner1

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
2,809.00	2.30	88.90	2,807.56	45.83	9.08	45.81	46.70	78.78	442,248.08	634,188.81	
2,902.00	2.20	358.50	2,900.52	47.65	10.90	47.63	48.86	77.10	442,249.90	634,190.63	
2,996.00	3.20	334.20	2,994.41	46.47	15.07	46.44	48.83	72.02	442,254.07	634,189.44	
3,089.00	4.80	321.10	3,087.19	42.91	20.44	42.87	47.49	64.51	442,259.44	634,185.87	
3,183.00	5.00	321.60	3,180.84	37.91	26.71	37.85	46.33	54.80	442,265.71	634,180.85	
3,276.00	5.10	322.30	3,273.48	32.88	33.15	32.81	46.64	44.70	442,272.15	634,175.81	
3,370.00	5.10	320.80	3,367.11	27.70	39.70	27.61	48.36	34.82	442,278.70	634,170.61	
3,463.00	5.30	319.10	3,459.73	22.29	46.15	22.19	51.20	25.68	442,285.15	634,165.19	
3,557.00	5.40	327.50	3,553.32	17.08	53.16	16.97	55.80	17.70	442,292.16	634,159.97	
3,651.00	6.80	339.90	3,646.79	12.81	62.12	12.68	63.40	11.54	442,301.12	634,155.68	
3,744.00	6.90	338.90	3,739.12	8.93	72.50	8.78	73.03	6.90	442,311.50	634,151.78	
3,838.00	6.90	336.70	3,832.44	4.68	82.95	4.51	83.08	3.11	442,321.95	634,147.51	
3,931.00	7.40	340.90	3,924.72	0.54	93.74	0.34	93.74	0.21	442,332.74	634,143.34	
4,025.00	8.50	356.30	4,017.83	-1.87	106.40	-2.09	106.42	358.88	442,345.40	634,140.91	
4,119.00	8.40	354.50	4,110.81	-2.94	120.16	-3.19	120.21	358.48	442,359.16	634,139.81	
4,212.00	8.40	352.80	4,202.81	-4.42	133.67	-4.70	133.75	357.99	442,372.67	634,138.30	
4,306.00	8.00	355.90	4,295.85	-5.72	147.00	-6.03	147.13	357.65	442,386.00	634,136.97	
4,400.00	8.00	11.80	4,388.95	-4.82	159.93	-5.16	160.01	358.15	442,398.93	634,137.84	
4,493.00	7.80	9.50	4,481.06	-2.43	172.49	-2.79	172.51	359.07	442,411.49	634,140.21	
4,586.00	8.10	10.30	4,573.17	-0.19	185.16	-0.58	185.16	359.82	442,424.16	634,142.42	
4,679.00	8.10	14.20	4,665.24	2.62	197.96	2.20	197.97	0.64	442,436.96	634,145.20	
4,773.00	7.80	25.50	4,758.34	7.01	210.14	6.57	210.24	1.79	442,449.14	634,149.57	
4,867.00	5.90	46.60	4,851.68	13.29	219.22	12.83	219.59	3.35	442,458.22	634,155.83	
4,960.00	6.10	28.80	4,944.18	19.16	226.83	18.68	227.60	4.71	442,465.83	634,161.68	
5,054.00	4.00	5.80	5,037.82	21.91	234.47	21.42	235.45	5.22	442,473.47	634,164.42	
5,147.00	3.60	5.80	5,130.62	22.55	240.60	22.05	241.61	5.24	442,479.60	634,165.05	
5,241.00	3.10	0.10	5,224.46	22.86	246.08	22.35	247.09	5.19	442,485.08	634,165.35	



ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 203H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 2970.50usft
Site:	Dr. Lana White Com	MD Reference:	Well @ 2970.50usft
Well:	No. 203H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD	Database:	WellPlanner1

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
5,334.00	3.70	6.20	5,317.29	23.20	251.58	22.68	252.60	5.15	442,490.58	634,165.68	
5,428.00	4.50	7.00	5,411.05	23.99	258.25	23.45	259.32	5.19	442,497.25	634,166.45	
5,521.00	3.90	3.20	5,503.80	24.63	265.03	24.07	266.12	5.19	442,504.03	634,167.07	
5,615.00	3.50	0.40	5,597.60	24.84	271.09	24.27	272.18	5.12	442,510.09	634,167.27	
5,708.00	4.20	9.40	5,690.39	25.43	277.29	24.85	278.40	5.12	442,516.29	634,167.85	
5,802.00	5.70	21.40	5,784.04	27.71	285.03	27.11	286.32	5.43	442,524.03	634,170.11	
5,895.00	7.00	30.80	5,876.47	32.32	294.20	31.70	295.91	6.15	442,533.20	634,174.70	
5,988.00	5.80	45.10	5,968.90	38.57	302.39	37.93	304.76	7.15	442,541.39	634,180.93	
6,082.00	5.50	54.60	6,062.44	45.61	308.35	44.97	311.61	8.30	442,547.35	634,187.97	
6,175.00	4.30	67.90	6,155.11	52.49	312.24	51.83	316.52	9.43	442,551.24	634,194.83	
6,269.00	4.20	119.10	6,248.88	58.76	311.90	58.11	317.26	10.55	442,550.90	634,201.11	
6,362.00	4.90	141.50	6,341.59	64.20	307.13	63.56	313.64	11.69	442,546.13	634,206.56	
6,455.00	4.60	142.00	6,434.27	68.96	301.08	68.33	308.74	12.79	442,540.08	634,211.33	
6,549.00	4.40	138.10	6,527.98	73.67	295.43	73.05	304.33	13.89	442,534.43	634,216.05	
6,642.00	1.60	163.70	6,620.85	76.41	291.53	75.80	301.22	14.57	442,530.53	634,218.80	
6,736.00	1.20	157.70	6,714.82	77.15	289.36	76.54	299.31	14.82	442,528.36	634,219.54	
6,829.00	0.70	213.30	6,807.81	77.20	287.98	76.60	298.00	14.90	442,526.98	634,219.60	
6,922.00	0.40	242.10	6,900.81	76.60	287.35	76.00	297.24	14.81	442,526.35	634,219.00	
7,016.00	0.90	78.80	6,994.80	77.04	287.34	76.44	297.34	14.90	442,526.34	634,219.44	
7,109.00	1.50	69.70	7,087.78	78.90	287.91	78.29	298.36	15.21	442,526.91	634,221.29	
7,203.00	1.60	56.60	7,181.75	81.15	289.06	80.54	300.07	15.57	442,528.06	634,223.54	
7,296.00	1.60	52.90	7,274.71	83.27	290.56	82.66	302.09	15.88	442,529.56	634,225.66	
7,390.00	1.40	20.50	7,368.68	84.72	292.42	84.11	304.28	16.05	442,531.42	634,227.11	
7,483.00	1.40	316.80	7,461.66	84.35	294.32	83.73	305.99	15.88	442,533.32	634,226.73	
7,577.00	1.90	300.80	7,555.62	82.23	295.95	81.61	307.00	15.42	442,534.95	634,224.61	
7,670.00	1.60	323.00	7,648.58	80.13	297.78	79.50	308.21	14.95	442,536.78	634,222.50	
7,764.00	2.10	318.40	7,742.53	78.20	300.11	77.57	309.98	14.49	442,539.11	634,220.57	



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 203H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 2970.50usft
Site:	Dr. Lana White Com	MD Reference:	Well @ 2970.50usft
Well:	No. 203H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD	Database:	WellPlanner1

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)
7,857.00	2.80	329.30	7,835.44	75.91	303.34	75.28	312.54	13.94	442,542.34	634,218.28
7,951.00	1.70	314.40	7,929.37	73.75	306.29	73.11	314.89	13.42	442,545.29	634,216.11
8,044.00	1.60	298.70	8,022.33	71.63	307.88	70.98	315.96	12.98	442,546.88	634,213.98
8,138.00	2.80	300.10	8,116.26	68.50	309.66	67.85	317.01	12.36	442,548.66	634,210.85
8,231.00	3.10	293.60	8,209.14	64.23	311.81	63.58	318.22	11.52	442,550.81	634,206.58
8,325.00	3.30	295.20	8,302.99	59.46	313.98	58.80	319.43	10.61	442,552.98	634,201.80
8,418.00	3.50	289.10	8,395.83	54.36	316.04	53.70	320.57	9.64	442,555.04	634,196.70
8,512.00	3.60	286.10	8,489.65	48.81	317.80	48.15	321.43	8.62	442,556.80	634,191.15
8,606.00	3.60	300.10	8,583.46	43.43	320.10	42.76	322.94	7.61	442,559.10	634,185.76
8,699.00	4.10	305.20	8,676.25	38.20	323.48	37.52	325.65	6.62	442,562.48	634,180.52
8,793.00	3.90	297.30	8,770.03	32.62	326.88	31.93	328.44	5.58	442,565.88	634,174.93
8,887.00	3.50	291.60	8,863.83	27.11	329.41	26.42	330.46	4.59	442,568.41	634,169.42
8,980.00	2.90	294.70	8,956.68	22.34	331.43	21.65	332.14	3.74	442,570.43	634,164.65
9,074.00	2.10	295.20	9,050.59	18.63	333.16	17.93	333.64	3.08	442,572.16	634,160.93
9,167.00	1.30	289.10	9,143.55	16.09	334.23	15.39	334.59	2.64	442,573.23	634,158.39
9,272.00	1.40	61.30	9,248.54	16.09	335.24	15.39	335.59	2.63	442,574.24	634,158.39
9,366.00	10.30	75.20	9,341.96	25.25	337.94	24.54	338.83	4.15	442,576.94	634,167.54
9,459.00	21.80	78.20	9,431.18	50.29	343.62	49.57	347.17	8.21	442,582.62	634,192.57
9,553.00	32.60	83.50	9,514.68	92.68	350.07	91.94	361.94	14.72	442,589.07	634,234.94
9,646.00	39.40	86.90	9,589.88	147.12	354.51	146.38	383.54	22.44	442,593.51	634,289.38
9,677.00	42.80	90.40	9,613.24	167.48	354.97	166.74	392.18	25.16	442,593.97	634,309.74
9,709.00	46.00	94.40	9,636.11	189.84	354.01	189.10	401.35	28.11	442,593.01	634,332.10
9,740.00	50.00	95.30	9,656.84	212.78	352.06	212.04	410.98	31.06	442,591.06	634,355.04
9,818.00	59.50	94.70	9,701.81	276.15	346.53	275.43	442.66	38.48	442,585.53	634,418.43
9,865.00	67.30	93.50	9,722.84	318.03	343.54	317.31	467.67	42.73	442,582.54	634,460.31
9,928.00	78.10	91.90	9,741.55	378.02	340.74	377.31	508.39	47.92	442,579.74	634,520.31
9,960.00	82.50	92.00	9,746.94	409.53	339.67	408.82	531.52	50.28	442,578.67	634,551.82



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 203H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 2970.50usft
Site:	Dr. Lana White Com	MD Reference:	Well @ 2970.50usft
Well:	No. 203H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD	Database:	WellPlanner1

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
10,055.00	89.90	94.00	9,753.23	504.11	334.70	503.41	604.53	56.38	442,573.70	634,646.41	
10,150.00	90.30	92.40	9,753.06	598.95	329.40	598.26	682.95	61.16	442,568.40	634,741.26	
10,244.00	92.70	91.80	9,750.60	692.84	325.96	692.16	765.07	64.78	442,564.96	634,835.16	
10,339.00	91.30	92.00	9,747.29	787.72	322.81	787.05	850.68	67.70	442,561.81	634,930.05	
10,434.00	89.30	90.40	9,746.79	882.69	320.82	882.02	938.55	70.01	442,559.82	635,025.02	
10,529.00	89.90	90.40	9,747.45	977.68	320.16	977.01	1,028.13	71.86	442,559.16	635,120.01	
10,623.00	89.30	90.60	9,748.11	1,071.67	319.33	1,071.01	1,117.60	73.40	442,558.33	635,214.01	
10,718.00	86.40	89.80	9,751.67	1,166.59	319.00	1,165.93	1,208.78	74.70	442,558.00	635,308.93	
10,813.00	87.30	90.30	9,756.89	1,261.45	318.92	1,260.78	1,300.49	75.80	442,557.92	635,403.78	
10,907.00	88.70	89.90	9,760.17	1,355.39	318.76	1,354.72	1,391.72	76.76	442,557.76	635,497.72	
11,002.00	88.20	89.00	9,762.74	1,450.35	319.67	1,449.68	1,484.51	77.56	442,558.67	635,592.68	
11,097.00	88.60	88.80	9,765.40	1,545.30	321.49	1,544.63	1,577.73	78.24	442,560.49	635,687.63	
11,192.00	87.70	86.40	9,768.46	1,640.17	325.47	1,639.49	1,671.48	78.77	442,564.47	635,782.49	
11,286.00	88.20	88.60	9,771.83	1,734.02	329.56	1,733.33	1,764.38	79.23	442,568.56	635,876.33	
11,381.00	89.10	89.70	9,774.07	1,828.98	330.97	1,828.29	1,858.01	79.74	442,569.97	635,971.29	
11,476.00	90.10	89.60	9,774.73	1,923.98	331.55	1,923.29	1,951.66	80.22	442,570.55	636,066.29	
11,571.00	86.60	85.40	9,777.46	2,018.82	335.69	2,018.12	2,045.85	80.56	442,574.69	636,161.12	
11,665.00	89.70	86.10	9,780.50	2,112.51	342.65	2,111.80	2,139.42	80.78	442,581.65	636,254.80	
11,760.00	91.70	88.50	9,779.34	2,207.40	347.13	2,206.68	2,233.81	81.06	442,586.13	636,349.68	
11,854.00	91.50	89.20	9,776.71	2,301.35	349.01	2,300.62	2,326.94	81.37	442,588.01	636,443.62	
11,949.00	92.80	89.50	9,773.15	2,396.27	350.09	2,395.55	2,420.99	81.69	442,589.09	636,538.55	
12,043.00	89.80	93.70	9,771.02	2,490.18	347.46	2,489.45	2,513.58	82.05	442,586.46	636,632.45	
12,138.00	87.10	93.30	9,773.59	2,584.94	341.67	2,584.23	2,606.72	82.47	442,580.67	636,727.23	
12,232.00	86.40	91.80	9,778.92	2,678.69	337.49	2,677.99	2,699.17	82.82	442,576.49	636,820.99	
12,327.00	86.80	92.80	9,784.55	2,773.43	333.68	2,772.74	2,792.75	83.14	442,572.68	636,915.74	
12,421.00	89.40	94.50	9,787.67	2,867.17	327.70	2,866.49	2,885.16	83.48	442,566.70	637,009.49	
12,515.00	86.20	93.60	9,791.27	2,960.84	321.07	2,960.17	2,977.53	83.81	442,560.07	637,103.17	



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 203H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 2970.50usft
Site:	Dr. Lana White Com	MD Reference:	Well @ 2970.50usft
Well:	No. 203H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD	Database:	WellPlanner1

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
12,610.00	86.30	93.50	9,797.49	3,055.44	315.20	3,054.78	3,071.00	84.11	442,554.20	637,197.78	
12,704.00	87.10	93.50	9,802.90	3,149.09	309.47	3,148.45	3,163.63	84.39	442,548.47	637,291.45	
12,799.00	85.40	91.80	9,809.11	3,243.77	305.09	3,243.14	3,257.46	84.63	442,544.09	637,386.14	
12,894.00	84.10	90.70	9,817.80	3,338.34	303.02	3,337.72	3,351.44	84.81	442,542.02	637,480.72	
12,989.00	84.80	90.70	9,826.99	3,432.89	301.87	3,432.26	3,445.51	84.97	442,540.87	637,575.26	
13,083.00	88.30	91.00	9,832.65	3,526.69	300.47	3,526.07	3,538.85	85.13	442,539.47	637,669.07	
13,177.00	90.80	90.10	9,833.39	3,620.67	299.57	3,620.05	3,632.43	85.27	442,538.57	637,763.05	
13,271.00	92.00	89.50	9,831.09	3,714.64	299.90	3,714.02	3,726.11	85.38	442,538.90	637,857.02	
13,366.00	89.40	88.80	9,829.93	3,809.62	301.31	3,808.99	3,820.89	85.48	442,540.31	637,951.99	
13,461.00	85.40	87.40	9,834.24	3,904.45	304.45	3,903.82	3,915.68	85.54	442,543.45	638,046.82	
13,555.00	86.30	87.50	9,841.04	3,998.12	308.62	3,997.48	4,009.38	85.59	442,547.62	638,140.48	
13,650.00	87.30	86.20	9,846.34	4,092.84	313.84	4,092.19	4,104.21	85.61	442,552.84	638,235.19	
13,745.00	87.40	85.30	9,850.74	4,187.49	320.87	4,186.82	4,199.10	85.62	442,559.87	638,329.82	
13,840.00	89.40	86.10	9,853.39	4,282.19	327.99	4,281.51	4,294.06	85.62	442,566.99	638,424.51	
13,935.00	89.80	86.50	9,854.05	4,377.00	334.12	4,376.31	4,389.05	85.63	442,573.12	638,519.31	
14,029.00	88.80	84.10	9,855.20	4,470.69	341.82	4,469.98	4,483.03	85.63	442,580.82	638,612.98	
14,124.00	89.80	86.00	9,856.36	4,565.34	350.02	4,564.62	4,578.02	85.62	442,589.02	638,707.62	
14,219.00	88.30	91.90	9,857.94	4,660.27	351.76	4,659.54	4,672.80	85.68	442,590.76	638,802.54	
14,314.00	89.70	92.60	9,859.60	4,755.17	348.03	4,754.45	4,767.17	85.81	442,587.03	638,897.45	
14,408.00	87.40	93.30	9,861.97	4,849.00	343.19	4,848.29	4,860.42	85.95	442,582.19	638,991.29	
14,503.00	89.10	95.10	9,864.88	4,943.68	336.24	4,942.98	4,954.41	86.11	442,575.24	639,085.98	
14,598.00	86.20	94.10	9,868.77	5,038.26	328.63	5,037.59	5,048.29	86.27	442,567.63	639,180.59	
14,692.00	86.40	93.30	9,874.84	5,131.86	322.57	5,131.19	5,141.32	86.40	442,561.57	639,274.19	
14,787.00	87.20	93.20	9,880.14	5,226.55	317.20	5,225.89	5,235.51	86.53	442,556.20	639,368.89	
14,855.00	86.90	91.60	9,883.64	5,294.39	314.35	5,293.74	5,303.07	86.60	442,553.35	639,436.74	
Last Survey: 14855' MD											



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 203H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 2970.50usft
Site:	Dr. Lana White Com	MD Reference:	Well @ 2970.50usft
Well:	No. 203H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD	Database:	WellPlanner1

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
14,935.00	86.90	91.60	9,887.97	5,374.23	312.12	5,373.59	5,382.65	86.68	442,551.12	639,516.59	
PTB: 14935' MD											

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
488.00	487.97	-4.70	0.81	Pro MWD First Survey: 488' MD	
14,855.00	9,883.64	314.35	5,293.74	Last Survey: 14855' MD	
14,935.00	9,887.97	312.12	5,373.59	PTB: 14935' MD	