

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

RECEIVED
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 30-015-46177		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 217H
⁷ GRID No. 228937		⁸ Operator Name MATADOR PRODUCTION COMPANY			⁹ Elevation 2942'

¹⁰ Surface Location									
UL or lot no. I	Section 13	Township 24-S	Range 28-E	Lot Idn -	Feet from the 1807'	North/South line SOUTH	Feet from the 340'	East/West line EAST	County EDDY

UL or lot no. P	Section 18	Township 24-S	Range 29-E	Lot Idn -	Feet from the 1299'	North/South line SOUTH	Feet from the 235'	East/West line EAST	County EDDY
---------------------------	----------------------	-------------------------	----------------------	---------------------	-------------------------------	----------------------------------	------------------------------	-------------------------------	-----------------------

¹² Dedicated Acres 319.60	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--	-------------------------------	----------------------------------	-------------------------

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=592930 Y=442150 LAT.: N 32.2152296 LONG.: W 104.0328509 NAD 1983 X=634114 Y=442208 LAT.: N 32.2153519 LONG.: W 104.0333412 ELEV = 2942' NAD 27 X=593265.31 Y=634449.03 Y=443000.98 Y=443059.75	KICKOFF POINT NEW MEXICO EAST NAD 1927 X=593075 Y=441850 LAT.: N 32.2144051 LONG.: W 104.0323835 NAD 1983 X=634259 Y=441909 LAT.: N 32.2145274 LONG.: W 104.0328738 MD = 9350'	PENETRATION POINT NEW MEXICO EAST NAD 1927 X=593204 Y=441826 LAT.: N 32.2143367 LONG.: W 104.0319662 NAD 1983 X=634388 Y=441884 LAT.: N 32.2144590 LONG.: W 104.0324565 MD = 9681'	LAST PERF POINT NEW MEXICO EAST NAD 1927 X=598194 Y=441647 LAT.: N 32.2138071 LONG.: W 104.0158342 NAD 1983 X=639378 Y=441706 LAT.: N 32.2139297 LONG.: W 104.0163238 MD = 14780'	BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1927 X=598334 Y=441650 LAT.: N 32.2138136 LONG.: W 104.0153821 NAD 1983 X=639518 Y=441709 LAT.: N 32.2139362 LONG.: W 104.0158717 MD = 14922' NAD 83 X=639741.54 Y=598557.72 Y=443068.54 Y=443009.70	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. Signature Date 1/3/20 Chris Carleton Printed Name ccarleton@matadorresources.com E-mail Address
FIRST PERF POINT NEW MEXICO EAST NAD 27 X=593631 Y=441805 LAT.: N 32.2142777 LONG.: W 104.0305881 MD = 10200' NAD 83 X=634814 Y=441864 LAT.: N 32.2144001 LONG.: W 104.0310783 MD = 10200'					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. 06/10/2019 Date of Survey Signature and Seal of Professional Engineer Certificate Number

Ref 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



**SURFACE LOCATION
NEW MEXICO EAST**
NAD 1927
X=592930
Y=442150
LAT.: N 32.2152296
LONG.: W 104.0328509
NAD 1983
X=634114
Y=442208
LAT.: N 32.2153519
LONG.: W 104.0333412
ELEV = 2942'

**KICKOFF POINT
NEW MEXICO EAST**
NAD 1927
X=593075
Y=441850
LAT.: N 32.2144051
LONG.: W 104.0323835
NAD 1983
X=634259
Y=441909
LAT.: N 32.2145274
LONG.: W 104.0328738
MD = 9350'

**PENETRATION POINT
NEW MEXICO EAST**
NAD 1927
X=593204
Y=441826
LAT.: N 32.2143367
LONG.: W 104.0319662
NAD 1983
X=634388
Y=441884
LAT.: N 32.2144590
LONG.: W 104.0324565
MD = 9681'

**LAST PERF POINT
NEW MEXICO EAST**
NAD 1927
X=598194
Y=441647
LAT.: N 32.2138071
LONG.: W 104.0158342
NAD 1983
X=639378
Y=441706
LAT.: N 32.2139297
LONG.: W 104.0163238
MD = 14780'

**BOTTOM HOLE LOCATION
NEW MEXICO EAST**
NAD 1927
X=598334
Y=441650
LAT.: N 32.2138136
LONG.: W 104.0153821
NAD 1983
X=639518
Y=441709
LAT.: N 32.2139362
LONG.: W 104.0158717
MD = 14922'

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

**FIRST PERF POINT
NEW MEXICO EAST**
NAD 27 X=593631 Y=441805
LAT.: N 32.2142777
LONG.: W 104.0305881
MD = 10200'
NAD 83 X=634814 Y=441864
LAT.: N 32.2144001
LONG.: W 104.0310783
MD = 10200'

1/2" IRON ROD FOUND IN STONE MOUND

1/2" IRON ROD FOUND

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

LEASE NAME & WELL NO.: DR. LANA WHITE COM 217H
SECTION 13 TWP 24-S RGE 28-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM ELEVATION 2942'
DESCRIPTION 1807' FSL & 340' 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

DR. LANA WHITE COM 217H "AS-COMPLETED" DATE: 11/26/19 FILE: AD_DR_LANA_WHITE_COM_217H DRAWN BY: AMD SHEET: 1 OF 1	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 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.
	INT	DATE	

RECEIVED

JAN 08 2020

Intent ☐ As Drilled ☒

API #
30-015-46177

EMNRD-OCD ARTESIA

Operator Name: MATADOR PRODUCTION COMPANY	Property Name: DR LANA WHITE COM	Well Number 217H
--	-------------------------------------	---------------------

Kick Off Point (KOP)

UL I	Section 13	Township 24S	Range 28E	Lot	Feet 1508	From N/S S	Feet 330	From E/W E	County EDDY
Latitude N 32.2145274					Longitude W 104.0328738			NAD 83	

First Take Point (FTP)

UL L	Section 18	Township 24S	Range 29E	Lot	Feet 1463	From N/S S	Feet 359	From E/W W	County EDDY
Latitude N 32.2144011					Longitude W 104.0310783			NAD 83	

Last Take Point (LTP)

UL P	Section 18	Township 24S	Range 29E	Lot	Feet 1296	From N/S S	Feet 330	From E/W E	County EDDY
Latitude N32.2139297					Longitude W 104.0158717			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 #	Operator Name:	Property Name:	Well Number

KZ 06/29/2018



PRODIRECTIONAL

RECEIVED

FEB 21, 2020



Dr. Lana White Com No. 217H

Eddy County, NM

November 18, 2019

Job No. LNM5518019

ORIGINAL

Certified Report



PRODIRECTIONAL

Survey Certification Letter

November 18, 2019



Operator Name: Matador Resources
Well Name: Dr. Lana White Com No. 217H
County/Parish: Eddy County,
State: NM
Rig Name: Patterson 297
Job Number: LNM5518019

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	500' MD – 14,849' MD	14,937' MD	08/17/19 – 09/02/19	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
Dr. Lana White Com
No. 217H
OH

Survey: ProDirectional

Survey Report

18 November, 2019





ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 217H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 2970.50usft
Site:	Dr. Lana White Com	MD Reference:	Well @ 2970.50usft
Well:	No. 217H	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:	Northing:	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. 217H, LNM5518019					
Well Position	+N/-S	0.00 usft	Northing:	442,208.00 usft	Latitude:	32.215351
	+E/-W	0.00 usft	Easting:	634,114.00 usft	Longitude:	-104.033340
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	91.10	



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 217H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 2970.50usft
Site:	Dr. Lana White Com	MD Reference:	Well @ 2970.50usft
Well:	No. 217H	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
133.00	362.00	Survey #1 (OH)	GYRO-NS-CT	OWSG XYZ Accel with XY Static and Continuous Gyro
500.00	14,937.00	Survey #2 (OH)	MWD+HDGM	OWSG MWD + HRGM

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	442,208.00	634,114.00
	133.00	0.30	66.80	133.00	0.32	0.14	0.32	0.35	66.80	442,208.14	634,114.32
	197.00	0.20	163.80	197.00	0.50	0.10	0.51	0.51	79.25	442,208.10	634,114.51
	283.00	0.20	63.80	283.00	0.68	0.02	0.68	0.68	88.48	442,208.02	634,114.68
	316.00	0.30	136.80	316.00	0.79	-0.02	0.79	0.79	91.41	442,207.98	634,114.79
	362.00	0.10	127.80	362.00	0.91	-0.13	0.91	0.92	98.28	442,207.87	634,114.91
	500.00	0.70	90.70	499.99	1.85	-0.22	1.84	1.86	96.68	442,207.78	634,115.84
Pro MWD First Survey: 500' MD											
	684.00	0.50	98.80	683.98	3.77	-0.35	3.76	3.78	95.35	442,207.65	634,117.76
	866.00	0.60	110.50	865.98	5.45	-0.81	5.44	5.50	98.45	442,207.19	634,119.44
	1,047.00	1.20	271.90	1,046.97	4.45	-1.08	4.43	4.56	103.65	442,206.92	634,118.43
	1,227.00	2.50	275.90	1,226.87	-1.34	-0.61	-1.36	1.49	245.75	442,207.39	634,112.64
	1,408.00	2.30	274.70	1,407.71	-8.90	0.09	-8.90	8.90	270.60	442,208.09	634,105.10
	1,595.00	2.00	276.90	1,594.58	-15.89	0.79	-15.88	15.90	272.86	442,208.79	634,098.12
	1,782.00	1.20	280.10	1,781.50	-21.07	1.53	-21.05	21.10	274.15	442,209.53	634,092.95
	1,969.00	0.60	281.30	1,968.48	-23.97	2.06	-23.94	24.03	274.93	442,210.06	634,090.06
	2,063.00	1.10	146.60	2,062.47	-23.95	1.41	-23.92	23.96	273.36	442,209.41	634,090.08
	2,156.00	2.20	141.50	2,155.43	-22.30	-0.74	-22.32	22.33	268.11	442,207.26	634,091.68
	2,249.00	2.10	139.90	2,248.37	-20.04	-3.44	-20.11	20.40	260.30	442,204.56	634,093.89
	2,343.00	3.70	148.50	2,342.25	-17.27	-7.34	-17.42	18.90	247.15	442,200.66	634,096.58
	2,437.00	5.90	151.00	2,435.91	-13.22	-14.15	-13.49	19.55	223.63	442,193.85	634,100.51



ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 217H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 2970.50usft
Site:	Dr. Lana White Com	MD Reference:	Well @ 2970.50usft
Well:	No. 217H	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)
	2,530.00	5.50	146.20	2,528.45	-8.27	-22.04	-8.69	23.69	201.53	442,185.96	634,105.31
	2,624.00	4.80	148.40	2,622.07	-3.57	-29.13	-4.13	29.42	188.06	442,178.87	634,109.87
	2,691.00	4.50	151.30	2,688.85	-0.75	-33.82	-1.40	33.85	182.36	442,174.18	634,112.60
	2,811.00	3.80	154.00	2,808.53	3.41	-41.53	2.61	41.61	176.41	442,166.47	634,116.61
	2,904.00	4.00	154.00	2,901.32	6.29	-47.21	5.38	47.52	173.50	442,160.79	634,119.38
	2,998.00	4.50	162.50	2,995.06	8.96	-53.68	7.93	54.26	171.60	442,154.32	634,121.93
	3,091.00	5.40	161.80	3,087.71	11.57	-61.31	10.39	62.19	170.38	442,146.69	634,124.39
	3,185.00	5.50	160.00	3,181.29	14.65	-69.75	13.31	71.01	169.19	442,138.25	634,127.31
	3,278.00	5.60	159.30	3,273.85	17.94	-78.18	16.44	79.89	168.12	442,129.82	634,130.44
	3,372.00	5.50	159.20	3,367.41	21.32	-86.68	19.66	88.88	167.22	442,121.32	634,133.66
	3,465.00	5.60	158.00	3,459.98	24.77	-95.06	22.95	97.79	166.43	442,112.94	634,136.95
	3,559.00	5.30	156.10	3,553.55	28.40	-103.28	26.42	106.60	165.65	442,104.72	634,140.42
	3,653.00	5.10	153.70	3,647.16	32.16	-110.99	30.03	114.98	164.86	442,097.01	634,144.03
	3,746.00	4.90	153.80	3,739.81	35.88	-118.26	33.62	122.95	164.13	442,089.74	634,147.62
	3,840.00	5.10	151.90	3,833.45	39.76	-125.55	37.36	130.99	163.43	442,082.45	634,151.36
	3,933.00	5.10	149.20	3,926.08	43.96	-132.75	41.42	139.06	162.67	442,075.25	634,155.42
	4,027.00	5.20	146.30	4,019.71	48.60	-139.88	45.92	147.22	161.82	442,068.12	634,159.92
	4,214.00	5.20	143.30	4,205.94	58.63	-153.72	55.69	163.50	160.09	442,054.28	634,169.69
	4,308.00	5.30	144.50	4,299.54	63.83	-160.67	60.76	171.78	159.29	442,047.33	634,174.76
	4,401.00	5.20	143.00	4,392.15	68.99	-167.54	65.79	179.99	158.56	442,040.46	634,179.79
	4,495.00	5.10	144.20	4,485.77	74.13	-174.33	70.80	188.15	157.90	442,033.67	634,184.80
	4,681.00	5.30	142.30	4,671.01	84.48	-187.83	80.88	204.50	156.70	442,020.17	634,194.88
	4,775.00	5.40	142.10	4,764.60	89.98	-194.75	86.26	213.00	156.11	442,013.25	634,200.26
	4,868.00	5.10	142.40	4,857.21	95.32	-201.48	91.47	221.27	155.58	442,006.52	634,205.47
	4,962.00	5.10	145.60	4,950.84	100.36	-208.24	96.38	229.46	155.16	441,999.76	634,210.38
	5,056.00	4.80	145.50	5,044.48	105.07	-214.93	100.96	237.46	154.84	441,993.07	634,214.96
	5,149.00	4.60	147.20	5,137.17	109.42	-221.27	105.19	245.00	154.57	441,986.73	634,219.19



ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 217H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 2970.50usft
Site:	Dr. Lana White Com	MD Reference:	Well @ 2970.50usft
Well:	No. 217H	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)	
5,243.00	4.30	149.90	5,230.89	113.34	-227.49	109.00	252.25	154.40	441,980.51	634,223.00	
5,336.00	4.00	148.80	5,323.64	116.88	-233.28	112.43	258.96	154.27	441,974.72	634,226.43	
5,430.00	4.00	150.80	5,417.42	120.29	-238.94	115.72	265.49	154.16	441,969.06	634,229.72	
5,523.00	3.80	152.80	5,510.20	123.39	-244.52	118.72	271.81	154.10	441,963.48	634,232.72	
5,617.00	3.60	154.00	5,604.00	126.21	-249.94	121.43	277.88	154.09	441,958.06	634,235.43	
5,710.00	3.50	155.80	5,696.83	128.75	-255.15	123.88	283.63	154.10	441,952.85	634,237.88	
5,803.00	3.40	156.50	5,789.66	131.11	-260.27	126.14	289.23	154.14	441,947.73	634,240.14	
5,990.00	3.40	158.00	5,976.33	135.60	-270.50	130.43	300.30	154.26	441,937.50	634,244.43	
6,084.00	3.10	186.90	6,070.18	136.43	-275.61	131.17	305.23	154.55	441,932.39	634,245.17	
6,177.00	2.90	193.00	6,163.06	135.69	-280.39	130.34	309.21	155.07	441,927.61	634,244.34	
6,271.00	3.00	187.60	6,256.93	134.93	-285.15	129.48	313.17	155.58	441,922.85	634,243.48	
6,364.00	1.90	191.80	6,349.84	134.36	-289.07	128.84	316.48	155.98	441,918.93	634,242.84	
6,457.00	1.60	196.80	6,442.80	133.73	-291.82	128.15	318.72	156.29	441,916.18	634,242.15	
6,551.00	1.40	203.00	6,536.77	132.94	-294.14	127.32	320.51	156.59	441,913.86	634,241.32	
6,644.00	1.00	171.40	6,629.75	132.66	-295.98	127.00	322.08	156.78	441,912.02	634,241.00	
6,738.00	1.20	153.20	6,723.73	133.26	-297.67	127.56	323.86	156.80	441,910.33	634,241.56	
6,831.00	1.10	144.80	6,816.71	134.24	-299.27	128.52	325.70	156.76	441,908.73	634,242.52	
6,924.00	1.70	116.60	6,909.69	136.01	-300.62	130.27	327.63	156.57	441,907.38	634,244.27	
7,018.00	2.50	113.00	7,003.62	139.17	-302.04	133.40	330.19	156.17	441,905.96	634,247.40	
7,111.00	2.20	111.10	7,096.54	142.73	-303.48	136.93	332.94	155.71	441,904.52	634,250.93	
7,205.00	2.00	106.90	7,190.48	146.01	-304.61	140.18	335.32	155.29	441,903.39	634,254.18	
7,298.00	2.30	130.30	7,283.42	149.01	-306.29	143.16	338.09	154.95	441,901.71	634,257.16	
7,392.00	2.70	137.60	7,377.33	152.00	-309.14	146.09	341.92	154.71	441,898.86	634,260.09	
7,485.00	1.70	155.30	7,470.26	154.11	-312.01	148.15	345.40	154.60	441,895.99	634,262.15	
7,579.00	1.50	160.00	7,564.22	155.16	-314.43	149.15	348.01	154.62	441,893.57	634,263.15	
7,672.00	0.60	224.70	7,657.21	155.26	-315.92	149.22	349.39	154.72	441,892.08	634,263.22	
7,766.00	0.80	186.30	7,751.20	154.86	-316.93	148.80	350.12	154.85	441,891.07	634,262.80	



ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 217H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 2970.50usft
Site:	Dr. Lana White Com	MD Reference:	Well @ 2970.50usft
Well:	No. 217H	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)
7,859.00	1.70	163.70	7,844.18	155.22	-318.90	149.12	352.04	154.94	441,889.10	634,263.12
7,953.00	0.80	80.20	7,938.16	156.28	-320.12	150.16	353.59	154.87	441,887.88	634,264.16
8,046.00	2.40	48.30	8,031.12	158.34	-318.72	152.25	353.21	154.47	441,889.28	634,266.25
8,140.00	3.40	44.90	8,125.00	161.72	-315.43	155.69	351.76	153.73	441,892.57	634,269.69
8,233.00	2.50	49.80	8,217.88	165.15	-312.17	159.19	350.41	152.98	441,895.83	634,273.19
8,327.00	1.90	44.00	8,311.81	167.75	-309.73	161.83	349.46	152.41	441,898.27	634,275.83
8,420.00	1.40	41.00	8,404.77	169.53	-307.76	163.65	348.56	152.00	441,900.24	634,277.65
8,514.00	0.80	1.80	8,498.75	170.27	-306.24	164.42	347.59	151.77	441,901.76	634,278.42
8,607.00	1.40	331.80	8,591.74	169.72	-304.59	163.91	345.89	151.71	441,903.41	634,277.91
8,701.00	2.00	329.50	8,685.69	168.30	-302.16	162.53	343.10	151.72	441,905.84	634,276.53
8,795.00	2.50	320.90	8,779.62	166.12	-299.16	160.41	339.45	151.80	441,908.84	634,274.41
8,888.00	2.00	297.70	8,872.55	163.36	-296.83	157.69	336.12	152.02	441,911.17	634,271.69
8,982.00	2.20	270.40	8,966.49	160.09	-296.05	154.43	333.91	152.45	441,911.95	634,268.43
9,075.00	1.80	264.10	9,059.43	156.85	-296.19	151.20	332.55	152.96	441,911.81	634,265.20
9,169.00	1.80	256.10	9,153.39	153.96	-296.70	148.30	331.69	153.44	441,911.30	634,262.30
9,212.00	1.60	253.60	9,196.37	152.74	-297.03	147.06	331.44	153.66	441,910.97	634,261.06
9,294.00	2.10	247.90	9,278.33	150.27	-297.92	144.57	331.14	154.11	441,910.08	634,258.57
9,388.00	4.40	124.60	9,372.24	151.69	-300.62	145.95	334.17	154.10	441,907.38	634,259.95
9,483.00	24.40	105.90	9,463.81	173.93	-308.14	168.05	350.98	151.39	441,899.86	634,282.05
9,577.00	31.70	98.30	9,546.74	217.28	-317.04	211.23	380.96	146.33	441,890.96	634,325.23
9,672.00	41.80	95.10	9,622.77	273.78	-323.47	267.62	419.83	140.40	441,884.53	634,381.62
9,766.00	48.10	94.60	9,689.26	340.01	-329.07	333.76	468.70	134.59	441,878.93	634,447.76
9,861.00	47.60	92.30	9,753.02	410.38	-333.31	404.05	523.79	129.52	441,874.69	634,518.05
9,956.00	50.60	91.40	9,815.21	482.17	-335.62	475.81	582.27	125.20	441,872.38	634,589.81
10,051.00	64.60	91.60	9,865.99	562.18	-337.72	555.80	650.36	121.28	441,870.28	634,669.80
10,145.00	80.80	92.80	9,893.85	651.61	-341.20	645.18	729.84	117.87	441,866.80	634,759.18
10,241.00	81.40	93.80	9,908.70	746.38	-346.66	739.86	817.05	115.11	441,861.34	634,853.86



ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 217H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 2970.50usft
Site:	Dr. Lana White Com	MD Reference:	Well @ 2970.50usft
Well:	No. 217H	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)	
10,335.00	89.20	96.30	9,916.40	839.76	-354.91	833.10	905.55	113.07	441,853.09	634,947.10	
10,430.00	90.00	95.20	9,917.06	934.44	-364.43	927.62	996.64	111.45	441,843.57	635,041.62	
10,524.00	90.40	97.30	9,916.74	1,028.06	-374.66	1,021.05	1,087.62	110.15	441,833.34	635,135.05	
10,619.00	91.30	98.30	9,915.33	1,122.40	-387.55	1,115.16	1,180.59	109.16	441,820.45	635,229.16	
10,713.00	86.70	98.70	9,916.97	1,215.57	-401.44	1,208.09	1,273.04	108.38	441,806.56	635,322.09	
10,808.00	84.70	95.50	9,924.09	1,309.77	-413.15	1,302.08	1,366.05	107.60	441,794.85	635,416.08	
10,903.00	85.30	92.50	9,932.37	1,404.28	-419.75	1,396.48	1,458.19	106.73	441,788.25	635,510.48	
10,998.00	88.20	92.20	9,937.76	1,499.09	-423.64	1,491.23	1,550.24	105.86	441,784.36	635,605.23	
11,093.00	86.50	90.30	9,942.15	1,593.98	-425.71	1,586.10	1,642.24	105.02	441,782.29	635,700.10	
11,187.00	90.60	91.10	9,944.53	1,687.93	-426.86	1,680.04	1,733.42	104.26	441,781.14	635,794.04	
11,282.00	89.40	89.40	9,944.53	1,782.91	-427.27	1,775.04	1,825.74	103.53	441,780.73	635,889.04	
11,377.00	89.20	88.40	9,945.69	1,877.83	-425.45	1,870.01	1,917.80	102.82	441,782.55	635,984.01	
11,471.00	87.70	87.40	9,948.23	1,971.65	-422.00	1,963.91	2,008.74	102.13	441,786.00	636,077.91	
11,566.00	88.00	85.60	9,951.80	2,066.27	-416.21	2,058.66	2,100.31	101.43	441,791.79	636,172.66	
11,661.00	91.10	86.40	9,952.54	2,160.88	-409.58	2,153.41	2,192.02	100.77	441,798.42	636,267.41	
11,755.00	95.70	89.70	9,946.97	2,254.54	-406.39	2,247.16	2,283.61	100.25	441,801.61	636,361.16	
11,850.00	92.80	89.80	9,939.93	2,349.25	-405.97	2,341.88	2,376.81	99.83	441,802.03	636,455.88	
11,944.00	90.00	92.40	9,937.63	2,443.20	-407.78	2,435.82	2,469.72	99.50	441,800.22	636,549.82	
12,039.00	85.40	91.80	9,941.44	2,538.08	-411.26	2,530.66	2,563.85	99.23	441,796.74	636,644.66	
12,133.00	88.80	92.70	9,946.20	2,631.93	-414.94	2,624.45	2,657.05	98.98	441,793.06	636,738.45	
12,227.00	87.60	90.40	9,949.15	2,725.87	-417.48	2,718.36	2,750.23	98.73	441,790.52	636,832.36	
12,322.00	85.90	88.60	9,954.54	2,820.68	-416.66	2,813.19	2,843.88	98.42	441,791.34	636,927.19	
12,416.00	89.60	90.30	9,958.23	2,914.54	-415.76	2,907.10	2,936.68	98.14	441,792.24	637,021.10	
12,511.00	92.60	92.80	9,956.40	3,009.51	-418.32	3,002.03	3,031.03	97.93	441,789.68	637,116.03	
12,605.00	90.30	92.30	9,954.02	3,103.44	-422.51	3,095.90	3,124.60	97.77	441,785.49	637,209.90	
12,700.00	88.70	95.70	9,954.85	3,198.30	-429.13	3,190.65	3,219.37	97.66	441,778.87	637,304.65	
12,795.00	90.20	98.50	9,955.77	3,292.76	-440.87	3,284.90	3,314.35	97.64	441,767.13	637,398.90	



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 217H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 2970.50usft
Site:	Dr. Lana White Com	MD Reference:	Well @ 2970.50usft
Well:	No. 217H	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)	
12,889.00	82.40	99.40	9,961.83	3,385.61	-455.45	3,377.49	3,408.06	97.68	441,752.55	637,491.49	
12,990.00	79.80	95.10	9,977.46	3,484.79	-468.05	3,476.44	3,507.81	97.67	441,739.95	637,590.44	
13,084.00	83.50	93.00	9,991.11	3,577.65	-474.61	3,569.19	3,600.61	97.57	441,733.39	637,683.19	
13,178.00	88.50	93.70	9,997.66	3,671.31	-480.09	3,662.77	3,694.10	97.47	441,727.91	637,776.77	
13,273.00	90.40	94.60	9,998.58	3,766.17	-486.96	3,757.51	3,788.94	97.38	441,721.04	637,871.51	
13,367.00	91.60	94.40	9,996.94	3,859.99	-494.34	3,851.21	3,882.81	97.31	441,713.66	637,965.21	
13,462.00	89.40	93.80	9,996.11	3,954.85	-501.13	3,945.96	3,977.65	97.24	441,706.87	638,059.96	
13,557.00	88.40	93.80	9,997.93	4,049.72	-507.42	4,040.73	4,072.46	97.16	441,700.58	638,154.73	
13,652.00	88.70	93.20	10,000.33	4,144.61	-513.22	4,135.52	4,167.24	97.07	441,694.78	638,249.52	
13,747.00	88.10	90.60	10,002.99	4,239.56	-516.37	4,230.42	4,261.82	96.96	441,691.63	638,344.42	
13,841.00	89.40	92.70	10,005.04	4,333.52	-519.08	4,324.35	4,355.40	96.84	441,688.92	638,438.35	
13,936.00	85.50	90.40	10,009.26	4,428.40	-521.65	4,419.20	4,449.88	96.73	441,686.35	638,533.20	
14,031.00	87.60	87.80	10,014.98	4,523.16	-520.15	4,514.00	4,543.87	96.57	441,687.85	638,628.00	
14,125.00	89.80	87.50	10,017.11	4,616.96	-516.30	4,607.89	4,636.73	96.39	441,691.70	638,721.89	
14,254.00	89.10	85.70	10,018.35	4,745.55	-508.65	4,736.65	4,763.89	96.13	441,699.35	638,850.65	
14,348.00	91.30	88.00	10,018.02	4,839.28	-503.49	4,830.50	4,856.67	95.95	441,704.51	638,944.50	
14,443.00	93.00	88.90	10,014.46	4,934.10	-500.92	4,925.39	4,950.80	95.81	441,707.08	639,039.39	
14,538.00	91.40	90.30	10,010.81	5,028.99	-500.26	5,020.32	5,045.18	95.69	441,707.74	639,134.32	
14,633.00	88.50	90.30	10,010.90	5,123.98	-500.75	5,115.30	5,139.76	95.59	441,707.25	639,229.30	
14,728.00	90.00	91.30	10,012.14	5,218.96	-502.08	5,210.28	5,234.42	95.50	441,705.92	639,324.28	
14,823.00	90.40	89.10	10,011.81	5,313.94	-502.41	5,305.28	5,329.01	95.41	441,705.59	639,419.28	
14,849.00	88.90	88.20	10,011.97	5,339.92	-501.80	5,331.27	5,354.83	95.38	441,706.20	639,445.27	
Last Survey: 14849' MD											
14,937.00	88.90	88.20	10,013.66	5,427.79	-499.04	5,419.21	5,442.14	95.26	441,708.96	639,533.21	
PTB: 14937' MD											



ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 217H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 2970.50usft
Site:	Dr. Lana White Com	MD Reference:	Well @ 2970.50usft
Well:	No. 217H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD	Database:	WellPlanner1

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
500.00	499.99	-0.22	1.84	Pro MWD First Survey: 500' MD
14,849.00	10,011.97	-501.80	5,331.27	Last Survey: 14849' MD
14,937.00	10,013.66	-499.04	5,419.21	PTB: 14937' MD