

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. EMNRD-OCD ARTESIA
Santa Fe, NM 87505

RECEIVED

FORM C-102

Revised August 1, 2011

JAN 10 2020 Submit one copy to appropriate

District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-46178		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 223H
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	340'	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	-	1634'	SOUTH	434'	EAST	EDDY

¹² Dedicated Acres 319.60	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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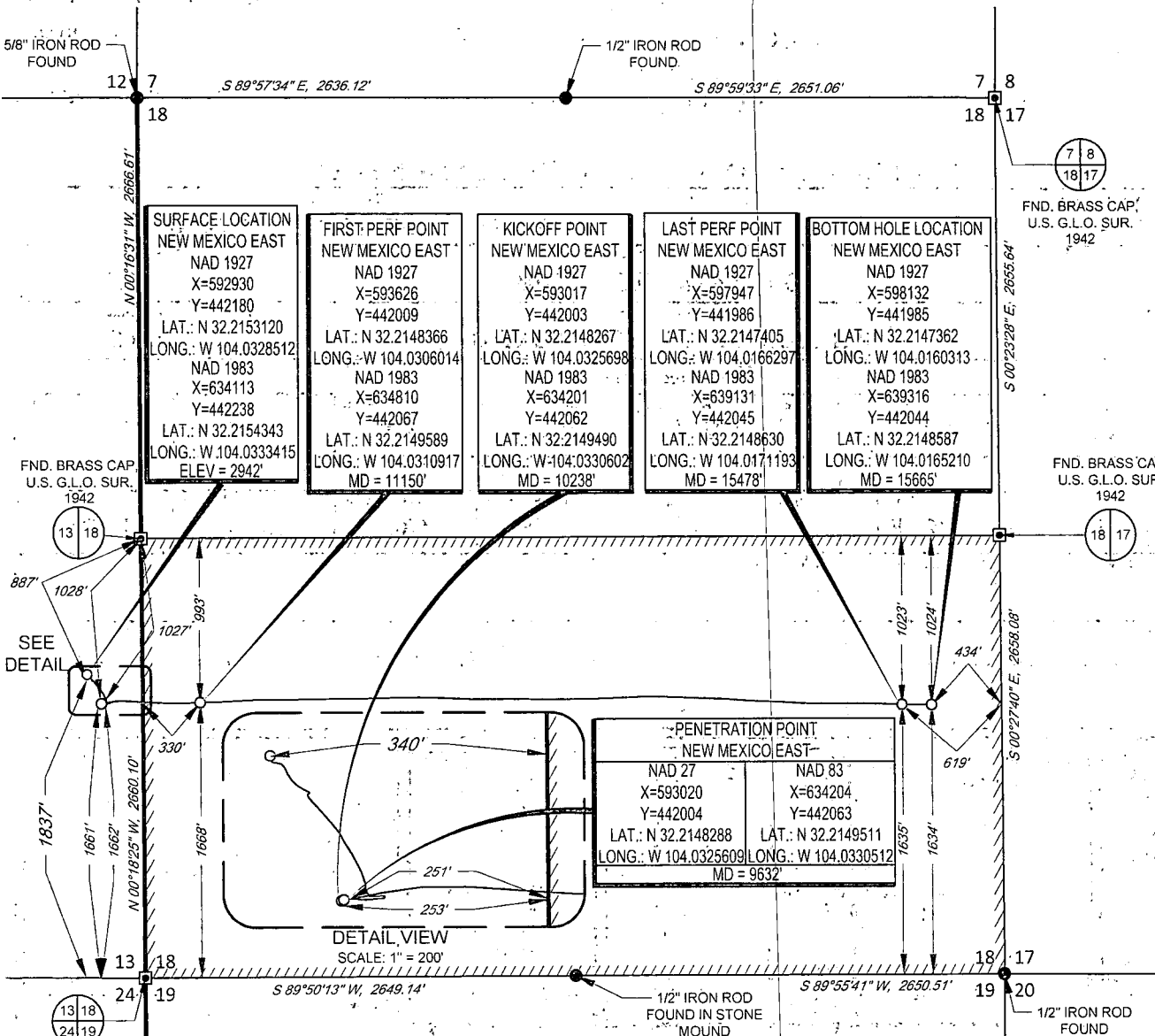
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<p>SURFACE LOCATION NEW MEXICO EAST NAD 1927 X=592930 Y=442180 LAT.: N 32.2153120 LONG.: W 104.0328512 NAD 1983 X=634113 Y=442238 LAT.: N 32.2154343 LONG.: W 104.0333415 ELEV = 2942'</p>	<p>FIRST PERF POINT NEW MEXICO EAST NAD 1927 X=593626 Y=442009 LAT.: N 32.2148366 LONG.: W 104.0306014 NAD 1983 X=634810 Y=442067 LAT.: N 32.2149589 LONG.: W 104.0310917 MD = 11150'</p>	<p>KICKOFF POINT NEW MEXICO EAST NAD 1927 X=593017 Y=442003 LAT.: N 32.2148267 LONG.: W 104.0325698 NAD 1983 X=634201 Y=442062 LAT.: N 32.2149490 LONG.: W 104.0330602 MD = 10238'</p>	<p>LAST PERF POINT NEW MEXICO EAST NAD 1927 X=597947 Y=441986 LAT.: N 32.2147405 LONG.: W 104.0166297 NAD 1983 X=639131 Y=442045 LAT.: N 32.2148630 LONG.: W 104.0171193 MD = 15478'</p>	<p>BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1927 X=598132 Y=441985 LAT.: N 32.2147362 LONG.: W 104.0160313 NAD 1983 X=639316 Y=442044 LAT.: N 32.2148587 LONG.: W 104.0165210 MD = 15665'</p>	<p>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. Sara Hartsfield 01/07/20 Signature Date Sara Hartsfield Printed Name shartsfield@matadorresources.com E-mail Address</p>
					<p>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 Surveyor ANGIE M. BAER NEW MEXICO PROFESSIONAL SURVEYOR 25116 Certificate Number</p>

RVP 3-12-20

SCALE: 1" = 1000'

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



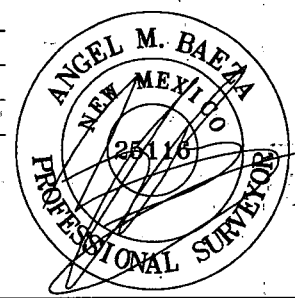
FND. BRASS CAP, U.S. G.L.O. SUR. 1942

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 223H
SECTION 13 TWP 24-S RGE 28-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM ELEVATION 2942'
DESCRIPTION 1837' FSL & 340' FEL



Angel M. Baeza, P.S. No. 25116
NOVEMBER 25, 2019



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

DR. LANA WHITE COM 223H "AS-COMPLETED"	REVISION:	
	INT	DATE
DATE:	11/25/19	
FILE:	AD_DR_LANA_WHITE_COM_223H	
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 #
30-015-46178

Operator Name: MATADOR PRODUCTION COMPANY	Property Name: DR LANA WHITE COM	Well Number 223H
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Kick Off Point (KOP)

UL I	Section 13	Township 24S	Range 28E	Lot	Feet 1661	From N/S S	Feet 253	From E/W E	County EDDY
Latitude N 32.2149490					Longitude W 104.0330602				NAD 83

First Take Point (FTP)

UL L	Section 18	Township 24S	Range 29E	Lot	Feet 1668	From N/S S	Feet 330	From E/W W	County EDDY
Latitude N 32.2149589					Longitude W 104.0310917				NAD 83

Last Take Point (LTP)

UL P	Section 18	Township 24S	Range 29E	Lot	Feet 1635	From N/S S	Feet 619	From E/W E	County EDDY
Latitude N 32.2148630					Longitude W 104.0171193				NAD 83

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

Is this well an infill well? Y

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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PRODIRECTIONAL

RECEIVED

FEB 21, 2020



Dr. Lana White Com No. 223H

Eddy County, NM

October 15, 2019

Job No. LNM5518119

ORIGINAL

Certified Report



PRODIRECTIONAL

Survey Certification Letter

October 15, 2019



Operator Name: Matador Resources
Well Name: Dr. Lana White Com No. 223H
County/Parish: Eddy County,
State: NM
Rig Name: Patterson 297
Job Number: LNM5518119

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	501' MD – 15,545' MD	15,665' MD	08/08/19 – 09/20/19	MWD

Sincerely,

Mike Coats
Regulatory Specialist
Professional Directional

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

prodirectional.com



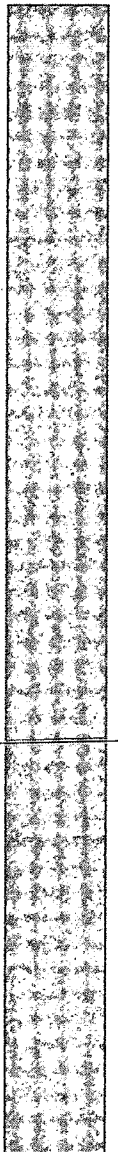
Matador Resources

Eddy County, NM
Dr. Lana White Com
No. 223H
OH

Survey: ProDirectional

Survey Report

15 October, 2019





ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 223H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 2970.50usft
Site:	Dr. Lana White Com	MD Reference:	Well @ 2970.50usft
Well:	No. 223H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD-40'-15545', PTB: 15665'	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. 223H, LNM5518119		
Well Position	+N/-S	0.00 usft	Northing: 442,238.00 usft
	+E/-W	0.00 usft	Easting: 634,113.00 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
			Latitude: 32.215433
			Longitude: -104.033343
			Ground Level: 2,942.00 usft

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

Design:	MWD-40'-15545', PTB: 15665'			
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	89.92



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 223H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 2970.50usft
Site:	Dr. Lana White Com	MD Reference:	Well @ 2970.50usft
Well:	No. 223H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD-40'-15545', PTB: 15665'	Database:	WellPlanner1

Survey Program		Date 10/15/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
40.00	362.00	Survey #1 (OH)	GYRO-NS-CT	OWSG XYZ Accel with XY Static and Continuous Gyro
501.00	15,665.00	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	442,238.00	634,113.00
40.00	0.80	129.80	40.00	0.21	-0.18	0.21	0.28	129.80	442,237.82	634,113.21
196.00	0.10	44.80	195.99	1.15	-0.78	1.15	1.39	124.19	442,237.22	634,114.15
287.00	0.20	190.80	286.99	1.17	-0.88	1.17	1.47	126.84	442,237.12	634,114.17
362.00	0.40	224.80	361.99	0.96	-1.19	0.96	1.53	141.06	442,236.81	634,113.96
501.00	0.40	214.90	500.99	0.34	-1.94	0.34	1.97	169.90	442,236.06	634,113.34
Pro MWD First Survey: 501' MD										
684.00	0.30	220.50	683.99	-0.34	-2.82	-0.33	2.84	186.70	442,235.18	634,112.67
866.00	0.50	154.30	865.98	-0.30	-3.90	-0.30	3.91	184.35	442,234.10	634,112.70
1,047.00	0.50	140.20	1,046.98	0.54	-5.22	0.55	5.25	173.97	442,232.78	634,113.55
1,227.00	0.40	131.10	1,226.97	1.52	-6.24	1.53	6.42	166.24	442,231.76	634,114.53
1,408.00	0.30	139.50	1,407.97	2.30	-7.01	2.31	7.38	161.76	442,230.99	634,115.31
1,595.00	0.40	121.10	1,594.96	3.18	-7.72	3.19	8.35	157.56	442,230.28	634,116.19
1,782.00	0.60	88.90	1,781.96	4.71	-8.04	4.73	9.33	149.55	442,229.96	634,117.73
1,969.00	1.40	98.90	1,968.93	7.95	-8.37	7.96	11.56	136.45	442,229.63	634,120.96
2,156.00	2.40	107.50	2,155.82	13.94	-9.91	13.95	17.11	125.37	442,228.09	634,126.95
2,343.00	2.30	167.20	2,342.69	18.50	-14.74	18.52	23.67	128.52	442,223.26	634,131.52
2,530.00	2.40	147.10	2,529.54	21.45	-21.69	21.48	30.52	135.28	442,216.31	634,134.48
2,676.00	1.50	145.90	2,675.45	24.17	-25.84	24.21	35.41	136.86	442,212.16	634,137.21
2,810.00	1.50	144.30	2,809.40	26.18	-28.71	26.22	38.88	137.60	442,209.29	634,139.22
2,903.00	1.30	139.20	2,902.38	27.57	-30.50	27.62	41.15	137.84	442,207.50	634,140.62



ProDirectional Survey Report



Company: Matador Resources Project: Eddy County, NM (NAD83) Site: Dr. Lana White Com Well: No. 223H Wellbore: OH Design: MWD-40'-15545', PTB: 15665'	Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: Database:	Well No. 223H Well @ 2970.50usft Well @ 2970.50usft Grid Minimum Curvature WellPlanner1
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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)		
2,997.00	1.20	135.40	2,996.35	28.96	-32.01	29.00	43.20	137.82	442,205.99	634,142.00		
3,090.00	1.40	136.20	3,089.33	30.43	-33.52	30.47	45.30	137.73	442,204.48	634,143.47		
3,184.00	1.50	130.20	3,183.30	32.16	-35.15	32.21	47.67	137.50	442,202.85	634,145.21		
3,278.00	1.50	121.40	3,277.27	34.15	-36.58	34.20	50.08	136.93	442,201.42	634,147.20		
3,371.00	1.40	120.00	3,370.24	36.17	-37.78	36.22	52.34	136.21	442,200.22	634,149.22		
3,465.00	1.40	119.70	3,464.21	38.16	-38.93	38.21	54.55	135.53	442,199.07	634,151.21		
3,558.00	1.30	119.20	3,557.18	40.06	-40.00	40.12	56.66	134.92	442,198.00	634,153.12		
3,652.00	1.30	118.30	3,651.16	41.93	-41.03	41.99	58.71	134.34	442,196.97	634,154.99		
3,745.00	1.30	117.70	3,744.14	43.79	-42.02	43.85	60.74	133.78	442,195.98	634,156.85		
3,839.00	1.30	115.80	3,838.11	45.70	-42.98	45.76	62.78	133.21	442,195.02	634,158.76		
3,933.00	1.30	109.10	3,932.09	47.66	-43.79	47.72	64.77	132.54	442,194.21	634,160.72		
4,026.00	0.60	185.20	4,025.08	48.62	-44.62	48.68	66.04	132.51	442,193.38	634,161.68		
4,120.00	0.70	225.90	4,119.07	48.16	-45.51	48.22	66.31	133.35	442,192.49	634,161.22		
4,213.00	0.80	229.80	4,212.06	47.25	-46.33	47.32	66.22	134.39	442,191.67	634,160.32		
4,307.00	0.80	222.40	4,306.05	46.31	-47.24	46.37	66.19	135.53	442,190.76	634,159.37		
4,401.00	2.10	154.30	4,400.03	46.61	-49.27	46.68	67.87	136.55	442,188.73	634,159.68		
4,494.00	3.30	138.00	4,492.92	49.13	-52.80	49.21	72.17	137.02	442,185.20	634,162.21		
4,587.00	4.50	137.60	4,585.71	53.38	-57.48	53.46	78.50	137.08	442,180.52	634,166.46		
4,681.00	5.00	136.90	4,679.38	58.66	-63.19	58.74	86.28	137.09	442,174.81	634,171.74		
4,774.00	5.10	136.90	4,772.02	64.24	-69.17	64.34	94.47	137.07	442,168.83	634,177.34		
4,868.00	4.80	138.30	4,865.67	69.70	-75.16	69.81	102.58	137.11	442,162.84	634,182.81		
4,962.00	4.90	139.80	4,959.33	74.90	-81.16	75.02	110.52	137.25	442,156.84	634,188.02		
5,055.00	4.60	141.20	5,052.02	79.80	-87.10	79.92	118.21	137.46	442,150.90	634,192.92		
5,149.00	4.40	141.80	5,145.73	84.38	-92.87	84.51	125.57	137.70	442,145.13	634,197.51		
5,242.00	4.00	159.90	5,238.48	87.69	-98.72	87.83	132.14	138.34	442,139.28	634,200.83		
5,336.00	3.90	145.80	5,332.26	90.61	-104.45	90.75	138.37	139.01	442,133.55	634,203.75		
5,429.00	4.00	145.80	5,425.04	94.20	-109.74	94.35	144.73	139.31	442,128.26	634,207.35		



ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 223H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 2970.50usft
Site:	Dr. Lana White Corn	MD Reference:	Well @ 2970.50usft
Well:	No. 223H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD-40'-15545', PTB: 15665'	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)
5,522.00	3.80	147.50	5,517.82	97.67	-115.03	97.83	151.00	139.62	442,122.97	634,210.83
5,616.00	3.60	151.00	5,611.63	100.77	-120.23	100.94	156.99	139.99	442,117.77	634,213.94
5,710.00	3.60	151.70	5,705.44	103.59	-125.41	103.77	162.78	140.40	442,112.59	634,216.77
5,803.00	3.60	151.40	5,798.26	106.37	-130.55	106.55	168.51	140.78	442,107.45	634,219.55
5,897.00	3.70	152.40	5,892.07	109.18	-135.83	109.37	174.39	141.16	442,102.17	634,222.37
5,990.00	3.60	155.80	5,984.88	111.76	-141.15	111.95	180.16	141.58	442,096.85	634,224.95
6,083.00	3.00	158.80	6,077.72	113.83	-146.08	114.03	185.32	142.02	442,091.92	634,227.03
6,176.00	2.90	163.20	6,170.60	115.38	-150.60	115.59	189.85	142.49	442,087.40	634,228.59
6,270.00	2.90	164.40	6,264.48	116.70	-155.17	116.92	194.29	143.00	442,082.83	634,229.92
6,363.00	1.70	180.00	6,357.40	117.33	-158.82	117.55	197.59	143.49	442,079.18	634,230.55
6,457.00	1.10	175.20	6,451.38	117.40	-161.11	117.63	199.48	143.87	442,076.89	634,230.63
6,550.00	1.00	152.10	6,544.36	117.85	-162.72	118.08	201.05	144.03	442,075.28	634,231.08
6,644.00	0.90	163.80	6,638.35	118.44	-164.15	118.67	202.55	144.14	442,073.85	634,231.67
6,737.00	1.10	160.40	6,731.33	118.94	-165.69	119.17	204.10	144.27	442,072.31	634,232.17
6,830.00	1.10	153.00	6,824.32	119.64	-167.33	119.88	205.84	144.38	442,070.67	634,232.88
6,923.00	1.00	157.50	6,917.30	120.36	-168.87	120.59	207.51	144.47	442,069.13	634,233.59
7,017.00	1.10	131.50	7,011.29	121.35	-170.23	121.58	209.19	144.46	442,067.77	634,234.58
7,110.00	1.30	98.30	7,104.27	123.06	-170.97	123.30	210.79	144.20	442,067.03	634,236.30
7,204.00	0.90	85.30	7,198.25	124.85	-171.07	125.09	211.92	143.82	442,066.93	634,238.09
7,298.00	1.40	88.00	7,292.23	126.73	-170.97	126.97	212.96	143.40	442,067.03	634,239.97
7,391.00	1.90	93.50	7,385.19	129.41	-171.02	129.64	214.61	142.84	442,066.98	634,242.64
7,485.00	1.80	86.60	7,479.14	132.44	-171.03	132.67	216.46	142.20	442,066.97	634,245.67
7,578.00	1.20	86.30	7,572.11	134.87	-170.88	135.10	217.84	141.67	442,067.12	634,248.10
7,672.00	1.00	77.00	7,666.09	136.65	-170.63	136.89	218.75	141.26	442,067.37	634,249.89
7,765.00	1.20	87.10	7,759.08	138.41	-170.40	138.65	219.68	140.87	442,067.60	634,251.65
7,859.00	0.80	110.10	7,853.06	140.01	-170.57	140.25	220.83	140.57	442,067.43	634,253.25
7,952.00	0.90	163.00	7,946.05	140.83	-171.50	141.07	222.06	140.56	442,066.50	634,254.07



ProDirectional
Survey Report



Company: Matador Resources Project: Eddy County, NM (NAD83) Site: Dr. Lana White Com Well: No. 223H Wellbore Design: MWD-40'-15545', PTB: 15665'	Local Co-ordinate Reference: TVD Reference: Well @ 2970.50usft MD Reference: Well @ 2970.50usft North Reference: Grid Survey Calculation Method: Minimum Curvature WellPlanner1
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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)
8,045.00	1.10	207.80	8,039.04	140.63	-172.98	140.87	223.09	140.84	442,065.02	634,253.87
8,139.00	1.30	266.80	8,133.02	139.14	-173.84	139.38	222.82	141.28	442,064.16	634,252.38
8,232.00	2.70	271.40	8,225.96	135.90	-173.85	136.14	220.81	141.94	442,064.15	634,249.14
8,326.00	2.60	269.10	8,319.86	131.55	-173.83	131.79	218.14	142.83	442,064.17	634,244.79
8,420.00	2.50	259.50	8,413.77	127.40	-174.23	127.65	215.99	143.77	442,063.77	634,240.65
8,513.00	2.50	261.70	8,506.68	123.40	-174.90	123.65	214.19	144.74	442,063.10	634,236.65
8,607.00	2.50	264.60	8,600.59	119.33	-175.38	119.58	212.27	145.71	442,062.62	634,232.58
8,701.00	2.60	275.30	8,694.50	115.17	-175.38	115.41	209.95	146.65	442,062.62	634,228.41
8,794.00	2.40	279.90	8,787.41	111.15	-174.85	111.39	207.32	147.50	442,063.15	634,224.39
8,888.00	2.10	276.00	8,881.34	107.50	-174.33	107.74	204.94	148.28	442,063.67	634,220.74
8,981.00	1.60	272.40	8,974.29	104.51	-174.10	104.75	203.18	148.97	442,063.90	634,217.75
9,075.00	1.50	267.90	9,068.26	101.97	-174.09	102.21	201.88	149.58	442,063.91	634,215.21
9,168.00	1.40	266.20	9,161.23	99.62	-174.21	99.86	200.80	150.18	442,063.79	634,212.86
9,262.00	1.30	268.80	9,255.20	97.40	-174.31	97.65	199.80	150.74	442,063.69	634,210.65
9,355.00	1.30	265.30	9,348.18	95.30	-174.42	95.54	198.87	151.29	442,063.58	634,208.54
9,449.00	1.10	258.90	9,442.16	93.35	-174.68	93.59	198.17	151.82	442,063.32	634,206.59
9,542.00	1.10	256.20	9,535.14	91.61	-175.06	91.85	197.70	152.32	442,062.94	634,204.85
9,636.00	1.00	250.80	9,629.12	89.95	-175.55	90.20	197.37	152.81	442,062.45	634,203.20
9,729.00	0.90	245.20	9,722.11	88.52	-176.12	88.77	197.23	153.25	442,061.88	634,201.77
9,823.00	1.00	254.60	9,816.10	87.06	-176.65	87.31	197.05	153.70	442,061.35	634,200.31
9,916.00	0.30	260.20	9,909.09	86.04	-176.91	86.29	196.83	154.00	442,061.09	634,199.29
10,010.00	0.30	36.20	10,003.09	85.94	-176.75	86.19	196.64	154.00	442,061.25	634,199.19
10,102.00	0.40	79.50	10,095.09	86.40	-176.50	86.65	196.62	153.85	442,061.50	634,199.65
10,184.00	0.30	98.30	10,177.09	86.89	-176.48	87.14	196.82	153.72	442,061.52	634,200.14
10,247.00	0.60	52.00	10,240.08	87.32	-176.30	87.56	196.84	153.59	442,061.70	634,200.56
10,342.00	17.50	80.90	10,333.57	101.92	-173.71	102.17	201.53	149.54	442,064.29	634,215.17
10,436.00	27.50	78.20	10,420.31	137.22	-167.02	137.46	216.31	140.55	442,070.98	634,250.46



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 223H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 2970.50usft
Site:	Dr. Lana White Corn	MD Reference:	Well @ 2970.50usft
Well:	No. 223H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD-40'-15545', PTB: 15665'	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)		
10,531.00	32.60	85.10	10,502.53	184.25	-160.34	184.47	244.42	131.00	442,077.66	634,297.47		
10,625.00	39.10	92.80	10,578.72	239.17	-159.63	239.39	287.73	123.70	442,078.37	634,352.39		
10,720.00	47.00	94.60	10,648.09	303.82	-163.88	304.05	345.40	118.33	442,074.12	634,417.05		
10,815.00	54.50	92.60	10,708.16	377.18	-168.43	377.41	413.29	114.05	442,069.57	634,490.41		
10,910.00	65.10	92.70	10,755.88	459.07	-172.23	459.31	490.54	110.55	442,065.77	634,572.31		
11,004.00	82.20	90.10	10,782.25	548.90	-174.33	549.15	576.15	107.61	442,063.67	634,662.15		
11,099.00	93.40	88.00	10,785.89	643.66	-172.75	643.91	666.68	105.02	442,065.25	634,756.91		
11,194.00	87.70	88.20	10,784.98	738.57	-169.60	738.81	758.03	102.93	442,068.40	634,851.81		
11,288.00	85.70	88.30	10,790.39	832.37	-166.74	832.61	849.14	101.32	442,071.26	634,945.61		
11,383.00	85.40	85.80	10,797.76	926.96	-161.87	927.19	941.21	99.90	442,076.13	635,040.19		
11,478.00	88.60	89.00	10,802.73	1,021.71	-157.57	1,021.93	1,034.01	98.77	442,080.43	635,134.93		
11,573.00	88.10	90.70	10,805.47	1,116.67	-157.32	1,116.89	1,127.92	98.02	442,080.68	635,229.89		
11,667.00	87.70	89.00	10,808.91	1,210.60	-157.07	1,210.82	1,220.97	97.39	442,080.93	635,323.82		
11,761.00	89.80	88.50	10,810.96	1,304.55	-155.02	1,304.77	1,313.95	96.78	442,082.98	635,417.77		
11,856.00	87.70	89.30	10,813.04	1,399.51	-153.20	1,399.73	1,408.09	96.25	442,084.80	635,512.73		
11,951.00	88.20	89.70	10,816.43	1,494.45	-152.37	1,494.66	1,502.41	95.82	442,085.63	635,607.66		
12,044.00	88.80	89.40	10,818.87	1,587.41	-151.64	1,587.63	1,594.85	95.46	442,086.36	635,700.63		
12,139.00	89.20	89.30	10,820.53	1,682.39	-150.56	1,682.61	1,689.33	95.11	442,087.44	635,795.61		
12,223.00	88.20	88.10	10,822.43	1,766.35	-148.66	1,766.56	1,772.80	94.81	442,089.34	635,879.56		
12,328.00	89.40	88.90	10,824.63	1,871.29	-145.91	1,871.50	1,877.18	94.46	442,092.09	635,984.50		
12,422.00	90.80	89.70	10,824.47	1,965.28	-144.76	1,965.49	1,970.81	94.21	442,093.24	636,078.49		
12,517.00	90.60	89.30	10,823.31	2,060.27	-143.93	2,060.48	2,065.50	94.00	442,094.07	636,173.48		
12,611.00	88.10	92.60	10,824.37	2,154.23	-145.49	2,154.44	2,159.34	93.86	442,092.51	636,267.44		
12,705.00	87.00	92.70	10,828.39	2,248.04	-149.83	2,248.25	2,253.24	93.81	442,088.17	636,361.25		
12,801.00	85.70	91.60	10,834.50	2,343.77	-153.43	2,343.98	2,349.00	93.74	442,084.57	636,456.98		
12,895.00	84.20	90.60	10,842.78	2,437.38	-155.22	2,437.60	2,442.54	93.64	442,082.78	636,550.60		
12,990.00	85.10	89.70	10,851.64	2,531.96	-155.47	2,532.18	2,536.95	93.51	442,082.53	636,645.18		



ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 223H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 2970.50usft
Site:	Dr. Lana White Com	MD Reference:	Well @ 2970.50usft
Well:	No. 223H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD-40'-15545', PTB: 15665'	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)
13,084.00	86.40	88.80	10,858.60	2,625.69	-154.24	2,625.91	2,630.44	93.36	442,083.76	636,738.91
13,178.00	89.60	91.50	10,861.88	2,719.62	-154.49	2,719.83	2,724.22	93.25	442,083.51	636,832.83
13,273.00	90.40	90.80	10,861.88	2,814.59	-156.40	2,814.81	2,819.15	93.18	442,081.60	636,927.81
13,367.00	89.40	89.00	10,862.05	2,908.59	-156.24	2,908.81	2,913.00	93.07	442,081.76	637,021.81
13,462.00	89.70	89.70	10,862.79	3,003.58	-155.16	3,003.80	3,007.80	92.96	442,082.84	637,116.80
13,557.00	90.60	89.80	10,862.54	3,098.58	-154.74	3,098.80	3,102.66	92.86	442,083.26	637,211.80
13,652.00	89.30	87.60	10,862.63	3,193.55	-152.59	3,193.76	3,197.41	92.74	442,085.41	637,306.76
13,747.00	88.70	87.60	10,864.28	3,288.45	-148.61	3,288.67	3,292.02	92.59	442,089.39	637,401.67
13,842.00	85.10	88.20	10,869.42	3,383.24	-145.13	3,383.45	3,386.56	92.46	442,092.87	637,496.45
13,937.00	84.60	90.40	10,877.95	3,477.85	-143.98	3,478.05	3,481.03	92.37	442,094.02	637,591.05
14,032.00	85.60	91.00	10,886.06	3,572.49	-145.13	3,572.69	3,575.64	92.33	442,092.87	637,685.69
14,126.00	86.90	92.90	10,892.21	3,666.22	-148.33	3,666.43	3,669.43	92.32	442,089.67	637,779.43
14,221.00	86.20	91.60	10,897.93	3,760.97	-152.05	3,761.18	3,764.26	92.31	442,085.95	637,874.18
14,316.00	86.50	91.90	10,903.98	3,855.73	-154.95	3,855.95	3,859.06	92.30	442,083.05	637,968.95
14,411.00	88.40	93.00	10,908.20	3,950.53	-159.00	3,950.76	3,953.96	92.30	442,079.00	638,063.76
14,505.00	90.60	94.60	10,909.02	4,044.31	-165.23	4,044.54	4,047.91	92.34	442,072.77	638,157.54
14,600.00	84.00	91.90	10,913.50	4,138.98	-170.61	4,139.22	4,142.74	92.36	442,067.39	638,252.22
14,695.00	87.50	92.80	10,920.54	4,233.62	-174.50	4,233.86	4,237.46	92.36	442,063.50	638,346.86
14,790.00	88.40	94.10	10,923.94	4,328.37	-180.21	4,328.63	4,332.38	92.38	442,057.79	638,441.63
14,885.00	89.10	90.70	10,926.01	4,423.25	-184.19	4,423.51	4,427.34	92.38	442,053.81	638,536.51
14,979.00	90.90	91.40	10,926.01	4,517.22	-185.91	4,517.49	4,521.31	92.36	442,052.09	638,630.49
15,073.00	87.00	90.40	10,927.73	4,611.18	-187.39	4,611.44	4,615.25	92.33	442,050.61	638,724.44
15,167.00	84.40	88.20	10,934.78	4,704.89	-186.25	4,705.16	4,708.84	92.27	442,051.75	638,818.16
15,262.00	88.90	91.20	10,940.33	4,799.69	-185.76	4,799.96	4,803.55	92.22	442,052.24	638,912.96
15,355.00	86.60	92.00	10,943.98	4,892.57	-188.35	4,892.84	4,896.47	92.20	442,049.65	639,005.84
15,450.00	91.40	93.20	10,945.64	4,987.43	-192.66	4,987.70	4,991.42	92.21	442,045.34	639,100.70



ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 223H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 2970.50usft
Site:	Dr. Lana White Com	MD Reference:	Well @ 2970.50usft
Well:	No. 223H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD-40'-15545', PTB: 15665'	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)
15,545.00	88.40	89.70	10,945.81	5,082.37	-195.06	5,082.64	5,086.39	92.20	442,042.94	639,195.64
Last Survey: 15545' MD										
15,665.00	88.40	89.70	10,949.16	5,202.32	-194.43	5,202.60	5,206.23	92.14	442,043.57	639,315.60
PTB: 15665' MD										

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
501.00	500.99	-1.94	0.34	Pro MWD First Survey: 501' MD
15,545.00	10,945.81	-195.06	5,082.64	Last Survey: 15545' MD
15,665.00	10,949.16	-194.43	5,202.60	PTB: 15665' MD