

State of New Mexico
Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham
Governor

Sarah Cottrell Propst
Cabinet Secretary

Todd E. Leahy, JD, PhD
Deputy Secretary

Adrienne Sandoval, Division Director
Oil Conservation Division



Notice of C-104 Denial and Request for Information

OCD denies your C-104 – *Request for Allowable and Authorization to Transport* because it is incomplete or conflicts with other information provided to OCD.

The sale or transport of product without a C-104 approved by OCD violates the Oil and Gas Act and the implementing rules, including 19.15.7.15 and 19.15.16.19 NMAC.

To avoid an enforcement action, you must submit the indicated information no later than 30 days after receipt of this notice.

Test Allowable, New Well and Recompleted Well

- ☐ C-103 (or BLM equivalent) for all casing strings
 - ☐ Spud Notice
 - ☐ Surface Casing
 - ☐ Intermediate Casing (if applicable)
 - ☐ Additional Intermediate Casing (if applicable)
 - ☐ Production Casing or Liner
- ☐ Applicable Order (NSL, NSP, Other _____)
- ☐ Deviation Survey for Vertical Wells
- ☐ Directional Survey
- ☒ C-102 (As-Drilled Plat for Horizontal Well)

New Well and Recompleted Well Only

- ☒ C-103 Completion Sundry (or BLM equivalent) *approved BLM Copy*
- ☒ C-105 Completion Report (or BLM equivalent) *Approved BLM Copy*
- ☐ All Logs Run on Well

If you have any questions please contact the local OCD District Office

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas, TX 75240		² OGRID Number 228937
		³ Reason for Filing Code/ Effective Date NEW Well
⁴ API Number 30 - 015-45958	⁵ Pool Name Purple Sage-Wolfcamp (Gas)	⁶ Pool Code 98220
⁷ Property Code 325622	⁸ Property Name Dr. Scrivner Fed Com	⁹ Well Number 207H

II. ¹⁰ Surface Location

UL or lot no. I	Section 1	Township 24S	Range 28E	Lot Idn -	Feet from the 2199'	North/South South Line	Feet from the 573'	East/West line East	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. L	Section 1	Township 24S	Range 28E	Lot Idn -	Feet from the 1699'	North/South line South	Feet from the 243'	East/West line West	County Eddy
¹² Lse Code S	¹³ Producing Method Code Flowing	¹⁴ Gas Connection Date 8/21/2019	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
214984	Plains Marketing LP 1734 Preston Rd., Suite 140, Dallas, TX 75252	O
372018	Longwood RB 5400 LBJ Freeway, Suite 1500, Dallas, TX 75240	G
NM OIL CONSERVATION ARTESIA DISTRICT OCT 11 2019 RECEIVED		

IV. Well Completion Data

²¹ Spud Date 5/24/2019	²² Ready Date 8/19/2019	²³ TD 9,780'-14,580'	²⁴ PBTD 14,486'	²⁵ Perforations 9,900'-14,439'	²⁶ DHC, MC -
²⁷ Hole Size 17 1/2"	²⁸ Casing & Tubing Size 13 3/8"	²⁹ Depth Set 340'	³⁰ Sacks Cement 470		
12 1/4"	9 5/8"	20785'	1155		
8 3/4"	7 5/8"	10,080'	551		
6 3/4"	5 1/2"	9,183'	817		
6 3/4"	4 1/2"	14,580'			

V. Well Test Data

³¹ Date New Oil 8/19/2019	³² Gas Delivery Date 8/21/2019	³³ Test Date 8/26/2-19	³⁴ Test Length 24	³⁵ Tbg. Pressure n/a	³⁶ Csg. Pressure 2125
³⁷ Choke Size 40/64	³⁸ Oil 1,615	³⁹ Water 4,123	⁴⁰ Gas 4,496		⁴¹ Test Method Flowing

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Tammy R. Link*

Printed name:
Tammy R. Link

Title:
Production Analyst

E-mail Address:
tlink@matadorresources.com

Date:
10/9/2019

Phone:
575-623-6601

OIL CONSERVATION DIVISION

Approved by:

DENIED

Title:

See Attached Cover Sheet

Approval Date:

- Missing weight & grade*
Please include on Sec. 28.

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 30-015-75240	² Pool Code 98220	³ Pool Name Purple Sage-Wolfcamp (Gas)
⁴ Property Code 325622	⁵ Property Name DR. SCRIVNER FED COM	
⁷ OGRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁶ Well Number #207H ⁹ Elevation 2987'

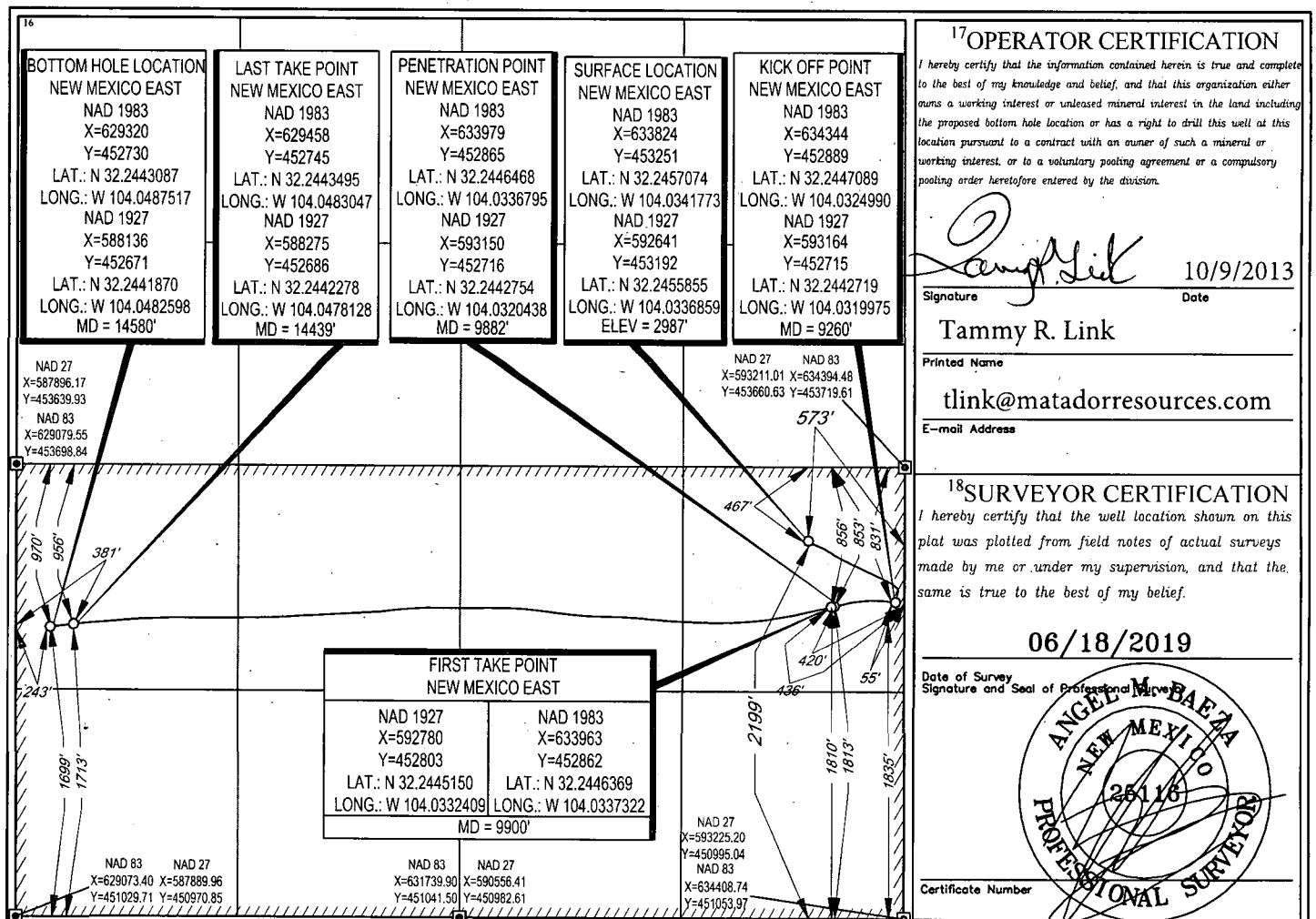
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	1	24-S	28-E	-	2199'	SOUTH	573'	EAST	EDDY

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	1	24-S	28-E	-	1699'	SOUTH	243'	WEST	EDDY

¹² Dedicated Acres 320	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.



NM OIL CONSERVATION
ARTESIA DISTRICT

OCT 11 2019

Intent ☐ As Drilled ☒

API #

30-015-75240

RECEIVED

Operator Name: Mataador Production Company	Property Name: Dr. Scrivner Fed Com	Well Number: 2074
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Kick Off Point (KOP)

UL I	Section 1	Township 24S	Range 28E	Lot 9	Feet 9260	From N/S S	Feet 55	From E/W E	County Eddy
Latitude 32.2442719					Longitude -104.0319975			NAD 1983	

First Take Point (FTP)

UL I	Section 1	Township 24S	Range 28E	Lot 9	Feet 9900	From N/S S	Feet 920	From E/W E	County Eddy
Latitude 32.2446369					Longitude -104.0337322			NAD 1983	

Last Take Point (LTP)

UL 2	Section 1	Township 24S	Range 28E	Lot 12	Feet 1439	From N/S S	Feet 381	From E/W W	County Eddy
Latitude 32.2443495					Longitude -104.0478128			NAD 1983	

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



NM OIL CONSERVATION
ARTESIA DISTRICT

OCT 11 2019

RECEIVED

Dr. Scrivner Fed Com No. 207H

Eddy County, NM

July 11, 2019

Job No. LNM5211919

ORIGINAL

Certified Report



PRODIRECTIONAL

Survey Certification Letter

July 11, 2019



Operator Name: Matador Resources
Well Name: Dr. Scrivner Fed Com No. 207H
County/Parish: Eddy County,
State: NM
Rig Name: Patterson 274
Job Number: LNM5211919

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	426' MD – 14,512' MD	14,580' MD	06/05/19 – 06/17/19	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. Scrivner Fed Com
No. 207H
OH**

Survey: ProDirectional

Survey Report

11 July, 2019





ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 207H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3015.50usft
Site:	Dr. Scrivner Fed Com	MD Reference:	Well @ 3015.50usft
Well:	No. 207H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD-91-14512', PTB: 14580' MD	Database:	WellPlanner1

Project		Eddy County, NM (NAD 83)	
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. Scrivner Fed Com				
Site Position:		Northing:	453,251.00	usft	Latitude:	32.245709
From:	Map	Easting:	633,824.00	usft	Longitude:	-104.034178
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16	"	Grid Convergence:	0.16 °

Well		No. 207H, LNM5211919				
Well Position	+N/-S	0.00 usft	Northing:	453,251.00 usft	Latitude:	32.245709
	+E/-W	0.00 usft	Easting:	633,824.00 usft	Longitude:	-104.034178
Position Uncertainty	0.00 usft		Wellhead Elevation:	usft	Ground Level:	2,987.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	5/29/2019	7.05	59.98	47,904.10

Design		MWD-91-14512', PTB: 14580' MD		
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	269.74



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 207H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3015.50usft
Site:	Dr. Scrivner Fed Com	MD Reference:	Well @ 3015.50usft
Well:	No. 207H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD-91-14512', PTB: 14580' MD	Database:	WellPlanner1

Survey Program	Date 7/11/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
91.00	325.00	Survey #1 (OH)	MWD+HDGM	OWSG MWD + HRGM
426.00	14,580.00	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	453,251.00	633,824.00
91.00	0.54	141.80	91.00	-0.26	-0.34	0.27	0.43	141.80	453,250.66	633,824.27
181.85	1.05	146.77	181.84	-0.98	-1.37	0.99	1.69	144.25	453,249.63	633,824.99
272.77	1.16	149.01	272.74	-1.90	-2.86	1.92	3.44	146.13	453,248.14	633,825.92
325.00	1.25	156.15	324.96	-2.40	-3.83	2.42	4.53	147.72	453,247.17	633,826.42
426.00	1.30	137.60	425.94	-3.61	-5.68	3.64	6.75	147.38	453,245.32	633,827.64
Pro MWD First Survey: 426' MD										
519.00	1.10	141.30	518.92	-4.87	-7.16	4.91	8.68	145.57	453,243.84	633,828.91
611.00	0.80	145.90	610.90	-5.78	-8.38	5.82	10.20	145.23	453,242.62	633,829.82
703.00	0.50	131.10	702.90	-6.44	-9.18	6.48	11.23	144.76	453,241.82	633,830.48
798.00	0.20	138.30	797.90	-6.86	-9.57	6.90	11.80	144.20	453,241.43	633,830.90
894.00	0.20	43.40	893.90	-7.09	-9.58	7.13	11.94	143.33	453,241.42	633,831.13
989.00	0.20	339.60	988.89	-7.14	-9.30	7.19	11.75	142.30	453,241.70	633,831.19
1,084.00	0.20	282.30	1,083.89	-6.93	-9.11	6.97	11.47	142.59	453,241.89	633,830.97
1,180.00	0.20	35.40	1,179.89	-6.86	-8.94	6.90	11.29	142.33	453,242.06	633,830.90
1,275.00	0.20	21.10	1,274.89	-7.02	-8.65	7.06	11.16	140.78	453,242.35	633,831.06
1,370.00	0.10	316.20	1,369.89	-7.02	-8.43	7.06	11.00	140.07	453,242.57	633,831.06
1,465.00	0.20	210.20	1,464.89	-6.88	-8.52	6.92	10.97	140.91	453,242.48	633,830.92
1,560.00	1.70	123.80	1,559.88	-7.96	-9.44	8.01	12.38	139.71	453,241.56	633,832.01
1,656.00	2.10	119.60	1,655.83	-10.67	-11.10	10.72	15.43	136.01	453,239.90	633,834.72
1,751.00	3.20	110.40	1,750.72	-14.66	-12.89	14.72	19.56	131.21	453,238.11	633,838.72



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD 83)
Site: Dr. Scrivner Fed Com
Well: No. 207H
Wellbore: OH
Design: MWD-91-14512', PTB: 14580' MD

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well No. 207H
Well @ 3015.50usft
Well @ 3015.50usft
Grid
Minimum Curvature
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)	
1,847.00	4.20	113.20	1,846.52	-20.39	-15.21	20.46	25.49	126.62	453,235.79	633,844.46	
1,941.00	5.60	116.30	1,940.18	-27.65	-18.60	27.74	33.39	123.84	453,232.40	633,851.74	
2,036.00	7.50	115.50	2,034.55	-37.38	-23.32	37.49	44.15	121.88	453,227.68	633,861.49	
2,131.00	8.10	110.20	2,128.67	-49.24	-28.30	49.36	56.90	119.82	453,222.70	633,873.36	
2,226.00	8.40	111.20	2,222.69	-61.96	-33.12	62.12	70.39	118.07	453,217.88	633,886.12	
2,321.00	7.70	109.90	2,316.75	-74.40	-37.79	74.57	83.60	116.88	453,213.21	633,898.57	
2,416.00	7.90	116.50	2,410.88	-86.20	-42.87	86.40	96.45	116.39	453,208.13	633,910.40	
2,511.00	8.50	121.90	2,504.91	-97.97	-49.50	98.20	109.97	116.75	453,201.50	633,922.20	
2,606.00	7.40	121.20	2,598.99	-109.14	-56.38	109.39	123.07	117.26	453,194.62	633,933.39	
2,702.00	6.10	121.20	2,694.32	-118.76	-62.22	119.05	134.33	117.60	453,188.78	633,943.05	
2,738.00	5.60	120.90	2,730.14	-121.90	-64.12	122.19	137.99	117.69	453,186.88	633,946.19	
2,874.00	5.00	120.50	2,865.55	-132.67	-70.53	132.99	150.53	117.94	453,180.47	633,956.99	
2,969.00	4.90	122.70	2,960.20	-139.63	-74.82	139.97	158.71	118.13	453,176.18	633,963.97	
3,064.00	6.60	122.30	3,054.72	-147.64	-79.93	148.00	168.21	118.37	453,171.07	633,972.00	
3,159.00	7.40	121.80	3,149.01	-157.42	-86.07	157.81	179.76	118.61	453,164.93	633,981.81	
3,255.00	9.20	119.10	3,244.00	-169.35	-93.07	169.78	193.61	118.73	453,157.93	633,993.78	
3,349.00	10.00	118.30	3,336.68	-183.07	-100.59	183.53	209.29	118.73	453,150.41	634,007.53	
3,445.00	10.10	117.50	3,431.21	-197.84	-108.43	198.33	226.04	118.67	453,142.57	634,022.33	
3,540.00	10.20	117.10	3,524.72	-212.68	-116.11	213.21	242.77	118.57	453,134.89	634,037.21	
3,635.00	9.40	117.50	3,618.34	-227.02	-123.52	227.58	258.94	118.49	453,127.48	634,051.58	
3,731.00	9.20	116.40	3,713.08	-240.81	-130.55	241.41	274.45	118.40	453,120.45	634,065.41	
3,825.00	9.60	116.00	3,805.81	-254.56	-137.33	255.18	289.79	118.29	453,113.67	634,079.18	
3,920.00	9.60	115.80	3,899.48	-268.78	-144.25	269.43	305.62	118.16	453,106.75	634,093.43	
4,016.00	9.50	115.50	3,994.15	-283.10	-151.14	283.79	321.53	118.04	453,099.86	634,107.79	
4,111.00	9.00	116.20	4,087.92	-296.82	-157.80	297.54	336.79	117.94	453,093.20	634,121.54	
4,206.00	8.60	115.90	4,181.80	-309.84	-164.18	310.59	351.32	117.86	453,086.82	634,134.59	
4,302.00	8.70	114.60	4,276.71	-322.87	-170.34	323.65	365.74	117.76	453,080.66	634,147.65	



ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 207H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3015.50usft
Site:	Dr. Scrivner Fed Com	MD Reference:	Well @ 3015.50usft
Well:	No. 207H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD-91-14512', PTB: 14580' MD	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)	
4,398.00	8.50	114.30	4,371.63	-335.91	-176.28	336.72	380.07	117.63	453,074.72	634,160.72	
4,493.00	8.50	115.30	4,465.58	-348.63	-182.17	349.46	394.10	117.53	453,068.83	634,173.46	
4,588.00	8.50	116.60	4,559.54	-361.23	-188.32	362.09	408.13	117.48	453,062.68	634,186.09	
4,683.00	8.60	115.30	4,653.48	-373.90	-194.50	374.79	422.25	117.43	453,056.50	634,198.79	
4,778.00	8.50	115.00	4,747.43	-386.66	-200.50	387.57	436.36	117.35	453,050.50	634,211.57	
4,873.00	8.60	114.60	4,841.37	-399.45	-206.42	400.40	450.47	117.27	453,044.58	634,224.40	
4,969.00	8.00	114.40	4,936.37	-412.04	-212.17	413.01	464.32	117.19	453,038.83	634,237.01	
5,064.00	7.50	116.60	5,030.50	-423.58	-217.68	424.57	477.12	117.14	453,033.32	634,248.57	
5,160.00	7.20	116.50	5,125.71	-434.54	-223.17	435.56	489.40	117.13	453,027.83	634,259.56	
5,255.00	6.50	116.00	5,220.03	-444.68	-228.18	445.72	500.73	117.11	453,022.82	634,269.72	
5,350.00	5.80	113.40	5,314.48	-453.90	-232.44	454.95	510.90	117.06	453,018.56	634,278.95	
5,445.00	5.80	116.20	5,409.00	-462.59	-236.47	463.67	520.49	117.02	453,014.53	634,287.67	
5,540.00	5.40	117.70	5,503.54	-470.84	-240.67	471.93	529.76	117.02	453,010.33	634,295.93	
5,635.00	5.60	116.90	5,598.11	-478.91	-244.84	480.02	538.86	117.02	453,006.16	634,304.02	
5,730.00	5.80	118.50	5,692.64	-487.24	-249.23	488.38	548.29	117.04	453,001.77	634,312.38	
5,825.00	5.30	122.40	5,787.19	-495.14	-253.87	496.30	557.46	117.09	452,997.13	634,320.30	
5,920.00	5.10	124.10	5,881.80	-502.32	-258.59	503.50	566.02	117.18	452,992.41	634,327.50	
6,015.00	5.20	125.50	5,976.42	-509.30	-263.46	510.50	574.47	117.30	452,987.54	634,334.50	
6,110.00	4.90	130.60	6,071.05	-515.86	-268.60	517.09	582.69	117.45	452,982.40	634,341.09	
6,206.00	4.70	131.10	6,166.71	-521.92	-273.85	523.16	590.50	117.63	452,977.15	634,347.16	
6,301.00	3.10	134.10	6,261.49	-526.67	-278.20	527.94	596.75	117.79	452,972.80	634,351.94	
6,398.00	2.90	138.90	6,358.36	-530.15	-281.87	531.44	601.56	117.94	452,969.13	634,355.44	
6,493.00	2.80	146.80	6,453.24	-532.99	-285.62	534.29	605.84	118.13	452,965.38	634,358.29	
6,589.00	2.00	166.10	6,549.16	-534.66	-289.21	535.97	609.03	118.35	452,961.79	634,359.97	
6,684.00	1.10	183.40	6,644.12	-534.99	-291.73	536.32	610.53	118.54	452,959.27	634,360.32	
6,780.00	0.80	202.50	6,740.11	-534.67	-293.27	536.01	610.99	118.68	452,957.73	634,360.01	
6,875.00	0.40	217.30	6,835.10	-534.21	-294.15	535.55	611.02	118.78	452,956.85	634,359.55	



ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 207H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3015.50usft
Site:	Dr. Scrivner Fed Com	MD Reference:	Well @ 3015.50usft
Well:	No. 207H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD-91-14512', PTB: 14580' MD	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)	
6,970.00	0.80	131.70	6,930.10	-534.50	-294.85	535.85	611.61	118.82	452,956.15	634,359.85	
7,065.00	1.00	155.30	7,025.09	-535.34	-296.05	536.69	612.93	118.88	452,954.95	634,360.69	
7,160.00	0.70	213.80	7,120.08	-535.36	-297.28	536.71	613.54	118.98	452,953.72	634,360.71	
7,255.00	1.40	243.30	7,215.06	-533.99	-298.29	535.35	612.84	119.13	452,952.71	634,359.35	
7,350.00	1.90	216.30	7,310.02	-532.02	-300.08	533.38	612.00	119.36	452,950.92	634,357.38	
7,446.00	2.60	193.20	7,405.95	-530.56	-303.48	531.94	612.43	119.71	452,947.52	634,355.94	
7,540.00	3.60	183.00	7,499.81	-529.90	-308.50	531.30	614.37	120.14	452,942.50	634,355.30	
7,636.00	2.20	185.90	7,595.69	-529.53	-313.35	530.96	616.52	120.55	452,937.65	634,354.96	
7,730.00	1.40	195.00	7,689.64	-529.03	-316.25	530.47	617.59	120.80	452,934.75	634,354.47	
7,825.00	1.00	278.50	7,784.63	-527.91	-317.25	529.35	617.14	120.93	452,933.75	634,353.35	
7,921.00	0.70	185.30	7,880.62	-527.02	-317.71	528.47	616.62	121.01	452,933.29	634,352.47	
8,015.00	2.60	181.00	7,974.58	-526.92	-320.41	528.38	617.94	121.23	452,930.59	634,352.38	
8,111.00	2.70	209.60	8,070.48	-525.75	-324.55	527.22	619.11	121.62	452,926.45	634,351.22	
8,206.00	2.10	213.80	8,165.39	-523.66	-327.95	525.15	619.14	121.98	452,923.05	634,349.15	
8,301.00	2.70	191.80	8,260.31	-522.22	-331.58	523.73	619.87	122.34	452,919.42	634,347.73	
8,396.00	4.10	168.20	8,355.15	-522.43	-337.10	523.96	623.03	122.76	452,913.90	634,347.96	
8,492.00	3.40	174.30	8,450.94	-523.38	-343.29	524.95	627.23	123.18	452,907.71	634,348.95	
8,587.00	3.10	175.50	8,545.79	-523.84	-348.65	525.43	630.58	123.57	452,902.35	634,349.43	
8,682.00	2.40	160.50	8,640.68	-524.69	-353.09	526.29	633.77	123.86	452,897.91	634,350.29	
8,777.00	0.90	172.20	8,735.64	-525.44	-355.71	527.06	635.86	124.01	452,895.29	634,351.06	
8,873.00	0.50	238.00	8,831.63	-525.18	-356.67	526.81	636.19	124.10	452,894.33	634,350.81	
8,968.00	1.30	224.60	8,926.62	-524.07	-357.66	525.70	635.83	124.23	452,893.34	634,349.70	
9,063.00	1.40	228.80	9,021.59	-522.43	-359.19	524.07	635.35	124.43	452,891.81	634,348.07	
9,158.00	1.40	239.40	9,116.56	-520.55	-360.55	522.20	634.57	124.62	452,890.45	634,346.20	
9,226.00	1.50	245.00	9,184.54	-519.03	-361.35	520.67	633.78	124.76	452,889.65	634,344.67	
9,258.00	1.50	235.30	9,216.53	-518.30	-361.76	519.95	633.42	124.83	452,889.24	634,343.95	
9,290.00	2.80	264.00	9,248.51	-517.18	-362.08	518.83	632.68	124.91	452,888.92	634,342.83	



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 207H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3015.50usft
Site:	Dr. Scrivner Fed Com	MD Reference:	Well @ 3015.50usft
Well:	No. 207H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD-91-14512', PTB: 14580' MD	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)	
9,322.00	7.20	282.70	9,280.38	-514.45	-361.72	516.09	630.24	125.03	452,889.28	634,340.09	
9,354.00	12.20	283.80	9,311.91	-509.21	-360.48	510.85	625.23	125.21	452,890.52	634,334.85	
9,449.00	27.10	277.80	9,401.14	-477.87	-355.11	479.48	596.67	126.52	452,895.89	634,303.48	
9,544.00	38.30	272.90	9,480.97	-426.88	-350.67	428.47	553.68	129.30	452,900.33	634,252.47	
9,639.00	48.70	267.40	9,549.81	-361.62	-350.80	363.22	504.97	134.00	452,900.20	634,187.22	
9,733.00	58.10	261.70	9,605.82	-286.63	-358.18	288.26	459.77	141.17	452,892.82	634,112.26	
9,796.00	66.60	257.90	9,635.04	-231.74	-368.13	233.41	435.89	147.62	452,882.87	634,057.41	
9,828.00	67.70	257.50	9,647.46	-202.90	-374.41	204.60	426.66	151.35	452,876.59	634,028.60	
9,891.00	68.20	257.50	9,671.12	-145.83	-387.05	147.59	414.23	159.13	452,863.95	633,971.59	
9,923.00	67.90	257.10	9,683.08	-116.85	-393.57	118.64	411.06	163.23	452,857.43	633,942.64	
9,955.00	67.70	257.10	9,695.17	-87.94	-400.19	89.76	410.13	167.36	452,850.81	633,913.76	
10,018.00	68.80	256.30	9,718.51	-30.94	-413.65	32.81	414.95	175.46	452,837.35	633,856.81	
10,101.00	78.70	258.30	9,741.71	46.78	-431.11	-44.83	433.43	185.94	452,819.89	633,779.17	
10,133.00	78.60	259.60	9,748.01	77.60	-437.12	-75.62	443.62	189.81	452,813.88	633,748.38	
10,228.00	82.20	260.30	9,763.85	169.89	-453.46	-167.84	483.53	200.31	452,797.54	633,656.16	
10,323.00	85.60	262.60	9,773.95	263.35	-467.50	-261.23	535.53	209.20	452,783.50	633,562.77	
10,419.00	88.90	265.60	9,778.55	358.75	-477.35	-356.59	595.83	216.76	452,773.65	633,467.41	
10,514.00	92.80	267.70	9,777.14	453.58	-482.90	-451.39	661.02	223.07	452,768.10	633,372.61	
10,609.00	91.30	270.20	9,773.74	548.50	-484.64	-546.30	730.29	228.42	452,766.36	633,277.70	
10,704.00	88.60	272.70	9,773.83	643.44	-482.23	-641.26	802.35	233.06	452,768.77	633,182.74	
10,799.00	88.40	272.90	9,776.31	738.27	-477.59	-736.11	877.47	237.02	452,773.41	633,087.89	
10,895.00	89.90	273.30	9,777.74	834.09	-472.40	-831.96	956.72	240.41	452,778.60	632,992.04	
10,990.00	94.50	275.00	9,774.09	928.71	-465.54	-926.61	1,036.98	243.32	452,785.46	632,897.39	
11,085.00	90.90	274.90	9,769.62	1,023.20	-457.35	-1,021.14	1,118.88	245.87	452,793.65	632,802.86	
11,181.00	85.80	271.90	9,772.38	1,118.92	-451.66	-1,116.88	1,204.75	247.98	452,799.34	632,707.12	
11,276.00	86.60	271.50	9,778.68	1,213.66	-448.85	-1,211.63	1,292.10	249.67	452,802.15	632,612.37	
11,371.00	90.60	272.90	9,781.00	1,308.52	-445.20	-1,306.51	1,380.28	251.18	452,805.80	632,517.49	



ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 207H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3015.50usft
Site:	Dr. Scrivner Fed Com	MD Reference:	Well @ 3015.50usft
Well:	No. 207H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD-91-14512', PTB: 14580' MD	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)	
11,466.00	91.10	274.70	9,779.59	1,403.27	-438.91	-1,401.29	1,468.42	252.61	452,812.09	632,422.71	
11,562.00	92.00	277.30	9,776.99	1,498.65	-428.88	-1,496.72	1,556.95	254.01	452,822.12	632,327.28	
11,657.00	93.40	277.10	9,772.52	1,592.74	-416.98	-1,590.86	1,644.60	255.31	452,834.02	632,233.14	
11,752.00	91.20	275.30	9,768.70	1,687.05	-406.73	-1,685.22	1,733.61	256.43	452,844.27	632,138.78	
11,847.00	89.50	272.20	9,768.12	1,781.80	-400.52	-1,780.00	1,824.51	257.32	452,850.48	632,044.00	
11,942.00	91.00	268.40	9,767.71	1,876.77	-400.03	-1,874.98	1,917.18	257.96	452,850.97	631,949.02	
12,038.00	94.20	269.30	9,763.35	1,972.65	-401.95	-1,970.85	2,011.42	258.47	452,849.05	631,853.15	
12,133.00	87.70	269.50	9,761.78	2,067.59	-402.94	-2,065.78	2,104.71	258.96	452,848.06	631,758.22	
12,228.00	91.40	272.00	9,762.53	2,162.54	-401.70	-2,160.74	2,197.77	259.47	452,849.30	631,663.26	
12,323.00	89.30	268.20	9,761.95	2,257.52	-401.54	-2,255.72	2,291.18	259.91	452,849.46	631,568.28	
12,418.00	90.60	265.90	9,762.03	2,352.40	-406.42	-2,350.58	2,385.46	260.19	452,844.58	631,473.42	
12,513.00	85.70	264.40	9,765.09	2,447.02	-414.45	-2,445.16	2,480.04	260.38	452,836.55	631,378.84	
12,608.00	90.60	263.80	9,768.16	2,541.48	-424.21	-2,539.58	2,574.77	260.52	452,826.79	631,284.42	
12,704.00	94.00	267.40	9,764.31	2,637.12	-431.57	-2,635.19	2,670.30	260.70	452,819.43	631,188.81	
12,799.00	88.30	267.50	9,762.40	2,731.99	-435.79	-2,730.04	2,764.60	260.93	452,815.21	631,093.96	
12,894.00	94.90	267.40	9,759.75	2,826.82	-440.01	-2,824.86	2,858.92	261.15	452,810.99	630,999.14	
12,989.00	94.30	266.20	9,752.13	2,921.39	-445.30	-2,919.40	2,953.17	261.33	452,805.70	630,904.60	
13,084.00	94.50	266.00	9,744.84	3,015.92	-451.74	-3,013.90	3,047.57	261.48	452,799.26	630,810.10	
13,179.00	95.90	266.50	9,736.23	3,110.35	-457.93	-3,108.30	3,141.85	261.62	452,793.07	630,715.70	
13,275.00	93.20	268.30	9,728.62	3,205.95	-462.27	-3,203.89	3,237.07	261.79	452,788.73	630,620.11	
13,370.00	92.30	269.60	9,724.06	3,300.83	-464.01	-3,298.76	3,331.24	261.99	452,786.99	630,525.24	
13,465.00	88.30	268.80	9,723.56	3,395.81	-465.33	-3,393.73	3,425.48	262.19	452,785.67	630,430.27	
13,561.00	90.40	271.10	9,724.65	3,491.79	-465.42	-3,489.71	3,520.61	262.40	452,785.58	630,334.29	
13,656.00	86.90	270.20	9,726.89	3,586.73	-464.34	-3,584.66	3,614.61	262.62	452,786.66	630,239.34	
13,751.00	86.30	269.70	9,732.52	3,681.57	-464.42	-3,679.50	3,708.69	262.81	452,786.58	630,144.50	
13,846.00	87.20	269.00	9,737.91	3,776.41	-465.50	-3,774.34	3,802.93	262.97	452,785.50	630,049.66	
13,942.00	87.20	267.80	9,742.60	3,872.27	-468.17	-3,870.18	3,898.40	263.10	452,782.83	629,953.82	



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 207H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3015.50usft
Site:	Dr. Scrivner Fed Com	MD Reference:	Well @ 3015.50usft
Well:	No. 207H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD-91-14512', PTB: 14580' MD	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)	
14,037.00	89.40	266.40	9,745.42	3,967.12	-472.98	-3,965.01	3,993.12	263.20	452,778.02	629,858.99	
14,132.00	90.80	265.20	9,745.25	4,061.89	-479.94	-4,059.75	4,088.02	263.26	452,771.06	629,764.25	
14,227.00	95.00	265.90	9,740.45	4,156.49	-487.30	-4,154.32	4,182.80	263.31	452,763.70	629,669.68	
14,322.00	96.00	264.90	9,731.34	4,250.78	-494.88	-4,248.58	4,277.30	263.36	452,756.12	629,575.42	
14,417.00	93.80	264.70	9,723.23	4,345.07	-503.46	-4,342.84	4,371.92	263.39	452,747.54	629,481.16	
14,512.00	94.00	263.40	9,716.76	4,439.39	-513.28	-4,437.10	4,466.69	263.40	452,737.72	629,386.90	
Last Survey: 14512' MD											
14,580.00	94.00	263.40	9,712.02	4,506.81	-521.08	-4,504.49	4,534.53	263.40	452,729.92	629,319.51	
PTB: 14580' MD											

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
426.00	425.94	-5.68	3.64	Pro MWD First Survey: 426' MD
14,512.00	9,716.76	-513.28	-4,437.10	Last Survey: 14512' MD
14,580.00	9,712.02	-521.08	-4,504.49	PTB: 14580' MD