

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 06 2020

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

DISTRICT II-ARTESIA O.C.D.

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-44174	² Pool Code 98015	³ Pool Name WC-015 G-04 S202920D; Bone Spring
⁴ Property Code 317746	⁵ Property Name STEBBINS 19 FED	⁶ Well Number #127H
⁷ OGRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 3248'

¹⁰Surface Location

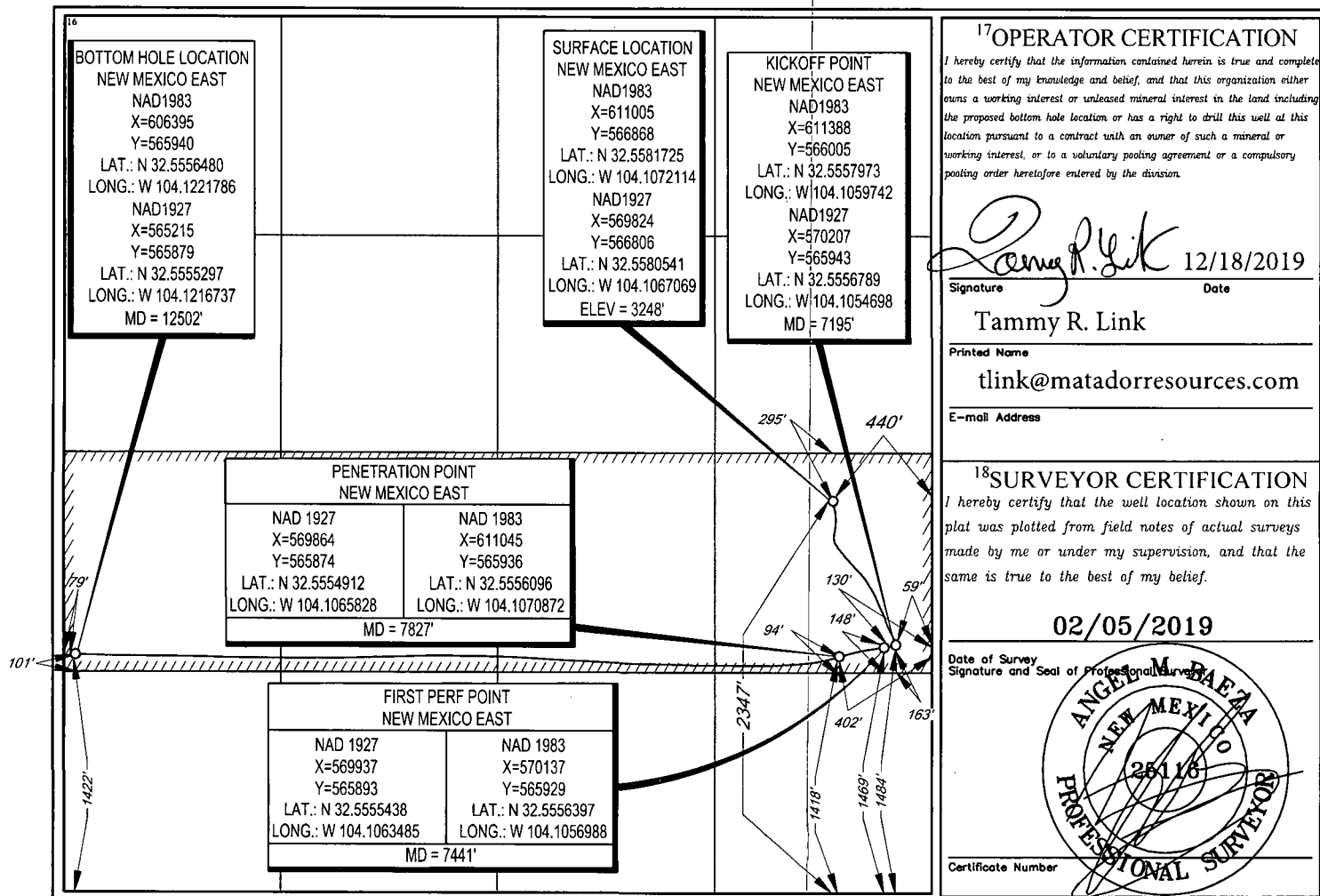
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	19	20-S	29-E	-	2347'	SOUTH	440'	EAST	EDDY

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	19	20-S	29-E	-	1422'	SOUTH	79'	WEST	EDDY

¹² Dedicated Acres 155.29	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.



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Intent ☐ As Drilled ☒

JAN 06 2020

DISTRICT 7 - ARTESIA O.C.D.

API # 30-015-44174		Operator Name: Maddox Production		Property Name: Stebbins 19 Fed		Well Number 127H	
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Kick Off Point (KOP)

UL 2	Section 19	Township 20S	Range 29E	Lot	Feet 59	From N/S W	Feet 240	From E/W W	County Eddy
Latitude 32.5556789					Longitude - 104.1054698			NAD 1983	

First Take Point (FTP)

UL 2	Section 19	Township 20S	Range 29E	Lot	Feet 163	From N/S W	Feet 1469	From E/W W	County Eddy
Latitude 32.5556397					Longitude - 104.1056988			NAD 1983	

Last Take Point (LTP)

UL 2	Section 19	Township 20S	Range 29E	Lot 3	Feet 79	From N/S S	Feet 101	From E/W E	County Eddy
Latitude 32.555297					Longitude - 104.1216737			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



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JAN 06 2020

DISTRICT 7 ARTESIA O.C.D.

Stebbins 19 Fed No. 127H

Eddy County, NM

July 11, 2019

Job No. LNM5210619

ORIGINAL

Certified Report



PRODIRECTIONAL

Survey Certification Letter

July 11, 2019



Operator Name: Matador Resources
Well Name: Stebbins 19 Fed No. 127H
County/Parish: Eddy County,
State: NM
Rig Name: Patterson 809
Job Number: LNM5210619

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	496' MD – 12,395' MD	12,502' MD	05/20/19 – 06/14/19	MWD

Sincerely,

Mike Coats
Regulatory Specialist
Professional Directional

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

prodirectional.com

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JAN 06 2020

DISTRICT 7 - ARTESIA CO. C.D.



Matador Resources

Eddy County, NM
Stebbins 19 Fed
No. 127H
OH

Survey: ProDirectional

Survey Report

11 July, 2019





ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 127H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3276.50usft
Site:	Stebbins 19 Fed Com	MD Reference:	Well @ 3276.50usft
Well:	No. 127H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Gyro-MWD-86.5-12395', PTB: 12502'	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	Stebbins 19 Fed Com		
Site Position:		Northing:	564,731.00 usft
From:	Map	Easting:	611,310.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.552297
		Longitude:	-104.106235
		Grid Convergence:	0.12 °

Well	No. 127H, LNM5210619					
Well Position	+N/-S	0.00 usft	Northing:	566,868.00 usft	Latitude:	32.558173
	+E/-W	0.00 usft	Easting:	611,005.00 usft	Longitude:	-104.107210
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,248.00 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	HDGM	5/30/2019	7.22	60.32	47,978.70

Design	Gyro-MWD-86.5-12395', PTB: 12502'				
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	269.95	



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 127H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3276.50usft
Site:	Stebbins 19 Fed Com	MD Reference:	Well @ 3276.50usft
Well:	No. 127H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Gyro-MWD-86.5-12395', PTB: 12502'	Database:	WellPlanner1

Survey Program		Date 7/11/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
86.50	346.00	Survey #1 (OH)	GYRO-NS-CT	OWSG XYZ Accel with XY Static and Continuous Gyro
496.00	12,502.00	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	566,868.00	611,005.00
86.50	0.32	335.67	86.50	0.10	0.22	-0.10	0.24	335.67	566,868.22	611,004.90
173.00	0.51	345.65	173.00	0.29	0.81	-0.29	0.86	340.09	566,868.81	611,004.71
259.50	0.75	352.07	259.49	0.47	1.75	-0.47	1.81	345.00	566,869.75	611,004.53
346.00	0.60	1.87	345.99	0.53	2.76	-0.53	2.81	349.10	566,870.76	611,004.47
496.00	1.00	319.50	495.97	1.35	4.54	-1.36	4.74	343.37	566,872.54	611,003.64
Pro MWD First Survey: 496' MD										
587.00	1.50	308.80	586.95	2.79	5.89	-2.80	6.52	334.58	566,873.89	611,002.20
680.00	1.60	312.80	679.92	4.69	7.54	-4.70	8.88	328.04	566,875.54	611,000.30
772.00	1.50	326.70	771.88	6.30	9.41	-6.30	11.33	326.19	566,877.41	610,998.70
862.00	1.50	17.70	861.86	6.58	11.52	-6.59	13.27	330.22	566,879.52	610,998.41
958.00	1.00	27.80	957.83	5.81	13.46	-5.82	14.66	336.61	566,881.46	610,999.18
1,052.00	0.30	306.70	1,051.83	5.62	14.33	-5.64	15.40	338.54	566,882.33	610,999.36
1,142.00	0.70	299.80	1,141.82	6.29	14.75	-6.30	16.04	336.86	566,882.75	610,998.70
1,241.00	0.90	332.20	1,240.81	7.17	15.73	-7.19	17.30	335.45	566,883.73	610,997.81
1,334.00	1.20	153.90	1,333.81	7.09	15.51	-7.10	17.05	335.40	566,883.51	610,997.90
1,427.00	4.40	159.20	1,426.69	5.40	11.30	-5.41	12.52	334.43	566,879.30	610,999.59
1,520.00	6.20	163.20	1,519.29	2.68	3.15	-2.69	4.14	319.56	566,871.15	611,002.31
1,614.00	5.20	163.20	1,612.82	-0.01	-5.79	0.01	5.79	179.88	566,862.21	611,005.01
1,707.00	5.60	165.10	1,705.41	-2.38	-14.20	2.40	14.41	170.42	566,853.80	611,007.40
1,801.00	6.00	163.90	1,798.92	-4.92	-23.36	4.94	23.87	168.06	566,844.64	611,009.94



ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 127H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3276.50usft
Site:	Stebbins 19 Fed Com	MD Reference:	Well @ 3276.50usft
Well:	No. 127H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Gyro-MWD-86.5-12395', PTB: 12502'	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)	
1,894.00	6.10	164.90	1,891.41	-7.55	-32.80	7.57	33.66	167.00	566,835.20	611,012.57	
1,988.00	6.40	166.20	1,984.85	-10.09	-42.71	10.12	43.89	166.66	566,825.29	611,015.12	
2,081.00	6.60	168.60	2,077.25	-12.37	-52.98	12.42	54.42	166.81	566,815.02	611,017.42	
2,174.00	6.90	171.20	2,169.61	-14.27	-63.74	14.33	65.33	167.33	566,804.26	611,019.33	
2,268.00	6.80	174.30	2,262.94	-15.68	-74.86	15.74	76.50	168.12	566,793.14	611,020.74	
2,361.00	7.20	175.10	2,355.24	-16.71	-86.14	16.79	87.76	168.97	566,781.86	611,021.79	
2,455.00	7.60	177.20	2,448.46	-17.51	-98.22	17.60	99.78	169.84	566,769.78	611,022.60	
2,548.00	7.80	179.30	2,540.62	-17.88	-110.67	17.97	112.12	170.78	566,757.33	611,022.97	
2,642.00	7.90	181.60	2,633.74	-17.76	-123.51	17.87	124.80	171.77	566,744.49	611,022.87	
2,736.00	8.10	183.20	2,726.83	-17.20	-136.58	17.32	137.67	172.77	566,731.42	611,022.32	
2,829.00	8.40	185.50	2,818.86	-16.17	-149.88	16.30	150.77	173.79	566,718.12	611,021.30	
2,923.00	8.70	186.80	2,911.82	-14.66	-163.78	14.80	164.44	174.83	566,704.22	611,019.80	
3,016.00	9.10	187.90	3,003.70	-12.81	-178.04	12.96	178.52	175.84	566,689.96	611,017.96	
3,112.00	9.10	189.70	3,098.49	-10.47	-193.05	10.64	193.34	176.85	566,674.95	611,015.64	
3,206.00	9.00	190.40	3,191.32	-7.88	-207.61	8.06	207.76	177.78	566,660.39	611,013.06	
3,299.00	9.50	175.90	3,283.12	-7.10	-222.42	7.29	222.54	178.12	566,645.58	611,012.29	
3,393.00	9.70	173.60	3,375.81	-8.52	-238.02	8.73	238.18	177.90	566,629.98	611,013.73	
3,486.00	9.70	160.40	3,467.49	-12.01	-253.19	12.23	253.49	177.23	566,614.81	611,017.23	
3,579.00	11.50	147.60	3,558.91	-19.60	-268.41	19.83	269.14	175.77	566,599.59	611,024.83	
3,673.00	14.00	143.20	3,650.59	-31.42	-285.42	31.66	287.18	173.67	566,582.58	611,036.66	
3,766.00	14.40	141.40	3,740.75	-45.35	-303.47	45.62	306.88	171.45	566,564.53	611,050.62	
3,859.00	14.10	140.00	3,830.89	-59.83	-321.19	60.11	326.76	169.40	566,546.81	611,065.11	
3,953.00	13.60	139.70	3,922.15	-74.33	-338.39	74.62	346.52	167.56	566,529.61	611,079.62	
4,046.00	13.20	139.40	4,012.62	-88.30	-354.79	88.60	365.68	165.98	566,513.21	611,093.60	
4,140.00	12.30	137.10	4,104.30	-102.08	-370.27	102.41	384.17	164.54	566,497.73	611,107.41	
4,233.00	14.00	137.80	4,194.86	-116.37	-385.86	116.71	403.12	163.17	566,482.14	611,121.71	
4,327.00	14.10	137.30	4,286.05	-131.76	-402.70	132.11	423.82	161.84	566,465.30	611,137.11	



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 127H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3276.50usft
Site:	Stebbins 19 Fed Com	MD Reference:	Well @ 3276.50usft
Well:	No. 127H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Gyro-MWD-86.5-12395', PTB: 12502'	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)	
4,420.00	13.50	135.90	4,376.36	-146.98	-418.82	147.35	443.98	160.62	566,449.18	611,152.35	
4,514.00	12.90	135.10	4,467.88	-162.01	-434.13	162.39	463.51	159.49	566,433.87	611,167.39	
4,607.00	14.10	139.40	4,558.31	-176.70	-450.09	177.09	483.67	158.52	566,417.91	611,182.09	
4,701.00	14.20	140.10	4,649.46	-191.53	-467.63	191.94	505.48	157.68	566,400.37	611,196.94	
4,794.00	14.60	146.90	4,739.54	-205.23	-486.20	205.65	527.90	157.07	566,381.80	611,210.65	
4,888.00	14.70	147.90	4,830.49	-218.02	-506.23	218.46	551.35	156.66	566,361.77	611,223.46	
4,981.00	14.10	147.40	4,920.56	-230.38	-525.77	230.84	574.21	156.30	566,342.23	611,235.84	
5,075.00	13.80	151.30	5,011.79	-241.91	-545.25	242.39	596.69	156.03	566,322.75	611,247.39	
5,168.00	13.30	154.00	5,102.21	-251.91	-564.59	252.40	618.44	155.91	566,303.41	611,257.40	
5,261.00	11.50	154.00	5,193.03	-260.65	-582.54	261.16	638.40	155.85	566,285.46	611,266.16	
5,355.00	12.90	155.80	5,284.91	-269.04	-600.53	269.57	658.26	155.83	566,267.47	611,274.57	
5,448.00	11.70	155.00	5,375.77	-277.27	-618.55	277.81	678.07	155.81	566,249.45	611,282.81	
5,541.00	9.90	155.80	5,467.12	-284.52	-634.39	285.07	695.49	155.80	566,233.61	611,290.07	
5,634.00	11.30	154.40	5,558.53	-291.72	-649.90	292.29	712.60	155.78	566,218.10	611,297.29	
5,728.00	11.20	151.10	5,650.73	-300.10	-666.19	300.68	730.90	155.71	566,201.81	611,305.68	
5,821.00	12.40	157.60	5,741.76	-308.25	-683.33	308.85	749.89	155.68	566,184.67	611,313.85	
5,914.00	11.50	161.50	5,832.75	-314.98	-701.36	315.60	769.09	155.77	566,166.64	611,320.60	
6,008.00	10.30	161.70	5,925.05	-320.58	-718.22	321.21	786.78	155.90	566,149.78	611,326.21	
6,102.00	10.80	157.80	6,017.46	-326.53	-734.36	327.17	803.94	155.99	566,133.64	611,332.17	
6,194.00	9.50	156.10	6,108.02	-332.85	-749.28	333.51	820.15	156.01	566,118.72	611,338.51	
6,287.00	10.80	155.40	6,199.56	-339.58	-764.22	340.24	836.54	156.00	566,103.78	611,345.24	
6,381.00	10.20	155.50	6,291.99	-346.68	-779.80	347.36	853.67	155.99	566,088.20	611,352.36	
6,475.00	10.60	154.00	6,384.45	-353.91	-795.14	354.60	870.63	155.97	566,072.86	611,359.60	
6,568.00	8.80	149.10	6,476.11	-361.30	-808.94	362.01	886.24	155.89	566,059.06	611,367.01	
6,661.00	7.80	151.10	6,568.14	-367.99	-820.57	368.71	899.60	155.80	566,047.43	611,373.71	
6,754.00	7.80	153.00	6,660.28	-373.90	-831.72	374.62	912.19	155.75	566,036.28	611,379.62	
6,848.00	7.50	154.60	6,753.44	-379.42	-842.94	380.15	924.70	155.73	566,025.06	611,385.15	



ProDirectional
Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD 83)
Site: Stebbins 19 Fed Com
Well: No. 127H
Wellbore: OH
Design: Gyro-MWD-86.5-12395', PTB: 12502'

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:
Well No. 127H
Well @ 3276.50usft
Well @ 3276.50usft
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)
6,941.00	5.40	158.50	6,845.85	-383.62	-852.50	384.36	935.14	155.73	566,015.50	611,389.36
7,034.00	2.80	163.40	6,938.60	-385.86	-858.75	386.61	941.76	155.76	566,009.25	611,391.61
7,128.00	0.80	202.60	7,032.55	-386.26	-861.55	387.02	944.49	155.81	566,006.45	611,392.02
7,238.00	6.90	251.30	7,142.26	-379.70	-864.38	380.46	944.41	156.24	566,003.62	611,385.46
7,331.00	20.00	258.30	7,232.52	-358.74	-869.42	359.50	940.81	157.54	565,998.58	611,364.50
7,425.00	28.70	260.60	7,318.08	-320.65	-876.38	321.42	933.46	159.86	565,991.62	611,326.42
7,518.00	38.10	262.50	7,395.64	-270.05	-883.79	270.82	924.35	162.96	565,984.21	611,275.82
7,611.00	46.70	261.80	7,464.25	-207.99	-892.38	208.76	916.47	166.83	565,975.62	611,213.76
7,705.00	52.20	256.40	7,525.36	-137.94	-906.01	138.73	916.56	171.29	565,961.99	611,143.73
7,798.00	57.30	254.00	7,579.02	-64.54	-925.45	65.35	927.75	175.96	565,942.55	611,070.35
7,892.00	65.10	255.50	7,624.27	14.90	-947.06	-14.07	947.16	180.85	565,920.94	610,990.93
7,985.00	75.20	259.10	7,655.82	100.14	-966.17	-99.30	971.26	185.87	565,901.83	610,905.70
8,079.00	82.20	266.20	7,674.25	191.46	-977.88	-190.61	996.28	191.03	565,890.12	610,814.39
8,172.00	92.30	267.60	7,678.71	284.10	-982.89	-283.24	1,022.89	196.08	565,885.11	610,721.76
8,266.00	93.20	267.30	7,674.20	377.90	-987.07	-377.04	1,056.63	200.91	565,880.93	610,627.96
8,359.00	88.80	270.90	7,672.58	470.84	-988.53	-469.97	1,094.56	205.43	565,879.47	610,535.03
8,453.00	88.80	270.50	7,674.54	564.81	-987.38	-563.95	1,137.08	209.73	565,880.62	610,441.05
8,546.00	89.00	270.30	7,676.33	657.79	-986.73	-656.93	1,185.41	213.65	565,881.27	610,348.07
8,640.00	89.50	269.80	7,677.56	751.78	-986.65	-750.92	1,239.90	217.27	565,881.35	610,254.08
8,733.00	89.80	271.40	7,678.13	844.77	-985.67	-843.91	1,297.59	220.57	565,882.33	610,161.09
8,827.00	90.40	271.20	7,677.96	938.74	-983.54	-937.88	1,359.04	223.64	565,884.46	610,067.12
8,920.00	91.20	271.50	7,676.67	1,031.70	-981.35	-1,030.85	1,423.27	226.41	565,886.65	609,974.15
9,013.00	91.30	271.40	7,674.64	1,124.65	-979.00	-1,123.80	1,490.42	228.94	565,889.00	609,881.20
9,107.00	91.90	272.00	7,672.01	1,218.57	-976.21	-1,217.72	1,560.71	231.28	565,891.79	609,787.28
9,200.00	92.30	272.40	7,668.60	1,311.43	-972.64	-1,310.59	1,632.08	233.42	565,895.36	609,694.41
9,293.00	90.50	272.50	7,666.33	1,404.31	-968.67	-1,403.47	1,705.30	235.39	565,899.33	609,601.53
9,386.00	90.50	272.80	7,665.52	1,497.21	-964.37	-1,496.37	1,780.20	237.20	565,903.63	609,508.63



ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 127H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3276.50usft
Site:	Stebbins 19 Fed Com	MD Reference:	Well @ 3276.50usft
Well:	No. 127H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Gyro-MWD-86.5-12395', PTB: 12502'	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)	
9,480.00	91.30	272.80	7,664.04	1,591.08	-959.78	-1,590.24	1,857.43	238.89	565,908.22	609,414.76	
9,573.00	92.80	273.20	7,660.72	1,683.88	-954.91	-1,683.05	1,935.08	240.43	565,913.09	609,321.95	
9,666.00	91.30	273.00	7,657.39	1,776.68	-949.89	-1,775.85	2,013.94	241.86	565,918.11	609,229.15	
9,760.00	91.70	273.00	7,654.93	1,870.52	-944.97	-1,869.69	2,094.93	243.19	565,923.03	609,135.31	
9,854.00	92.40	272.80	7,651.57	1,964.33	-940.22	-1,963.51	2,177.01	244.41	565,927.78	609,041.49	
9,946.00	90.10	270.90	7,649.56	2,056.25	-937.25	-2,055.43	2,259.03	245.49	565,930.75	608,949.57	
10,039.00	89.80	270.50	7,649.64	2,149.24	-936.11	-2,148.42	2,343.51	246.46	565,931.89	608,856.58	
10,133.00	90.60	271.20	7,649.31	2,243.23	-934.72	-2,242.41	2,429.43	247.37	565,933.28	608,762.59	
10,227.00	91.10	271.90	7,647.92	2,337.18	-932.18	-2,336.37	2,515.46	248.25	565,935.82	608,668.63	
10,320.00	91.30	268.80	7,645.97	2,430.14	-931.61	-2,429.33	2,601.84	249.02	565,936.39	608,575.67	
10,413.00	92.50	268.00	7,642.89	2,523.06	-934.20	-2,522.24	2,689.69	249.68	565,933.80	608,482.76	
10,506.00	93.50	268.20	7,638.02	2,615.88	-937.28	-2,615.06	2,777.96	250.28	565,930.72	608,389.94	
10,600.00	91.70	268.40	7,633.76	2,709.74	-940.07	-2,708.92	2,867.40	250.86	565,927.93	608,296.08	
10,716.00	92.00	268.10	7,630.01	2,825.63	-943.61	-2,824.81	2,978.24	251.53	565,924.39	608,180.19	
10,809.00	93.20	268.90	7,625.79	2,918.50	-946.04	-2,917.68	3,067.22	252.03	565,921.96	608,087.32	
10,902.00	90.60	269.80	7,622.71	3,011.44	-947.09	-3,010.61	3,156.07	252.54	565,920.91	607,994.39	
10,996.00	89.10	269.40	7,622.96	3,105.43	-947.75	-3,104.60	3,246.04	253.02	565,920.25	607,900.40	
11,089.00	89.30	269.50	7,624.25	3,198.42	-948.64	-3,197.59	3,335.34	253.48	565,919.36	607,807.41	
11,182.00	90.20	270.10	7,624.66	3,291.42	-948.97	-3,290.59	3,424.69	253.91	565,919.03	607,714.41	
11,276.00	90.90	271.30	7,623.76	3,385.40	-947.82	-3,384.58	3,514.78	254.36	565,920.18	607,620.42	
11,369.00	90.70	270.50	7,622.46	3,478.38	-946.36	-3,477.55	3,604.02	254.78	565,921.64	607,527.45	
11,462.00	91.30	270.40	7,620.84	3,571.36	-945.63	-3,570.54	3,693.64	255.17	565,922.37	607,434.46	
11,556.00	91.70	270.90	7,618.37	3,665.32	-944.56	-3,664.50	3,784.28	255.55	565,923.44	607,340.50	
11,649.00	92.60	271.30	7,614.89	3,758.24	-942.78	-3,757.41	3,873.89	255.91	565,925.22	607,247.59	
11,743.00	93.80	271.30	7,609.64	3,852.06	-940.65	-3,851.24	3,964.45	256.27	565,927.35	607,153.76	
11,836.00	93.20	270.90	7,603.96	3,944.87	-938.87	-3,944.05	4,054.26	256.61	565,929.13	607,060.95	
11,929.00	91.80	270.30	7,599.90	4,037.77	-937.89	-4,036.95	4,144.47	256.92	565,930.11	606,968.05	



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 127H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3276.50usft
Site:	Stebbins 19 Fed Com	MD Reference:	Well @ 3276.50usft
Well:	No. 127H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Gyro-MWD-86.5-12395', PTB: 12502'	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)	
12,023.00	92.40	270.60	7,596.46	4,131.70	-937.16	-4,130.89	4,235.86	257.22	565,930.84	606,874.11	
12,116.00	91.80	270.90	7,593.05	4,224.63	-935.94	-4,223.82	4,326.27	257.51	565,932.06	606,781.18	
12,209.00	91.10	270.60	7,590.70	4,317.59	-934.72	-4,316.78	4,416.82	257.78	565,933.28	606,688.22	
12,302.00	91.70	271.10	7,588.43	4,410.55	-933.34	-4,409.74	4,507.43	258.05	565,934.66	606,595.26	
12,395.00	92.40	271.70	7,585.10	4,503.46	-931.07	-4,502.65	4,597.91	258.32	565,936.93	606,502.35	
Last Survey: 12395' MD											
12,502.00	92.40	271.70	7,580.62	4,610.32	-927.90	-4,609.51	4,701.98	258.62	565,940.10	606,395.49	
PTB: 12502' MD											

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
496.00	495.97	4.54	-1.36	Pro MWD First Survey: 496' MD
12,395.00	7,585.10	-931.07	-4,502.65	Last Survey: 12395' MD
12,502.00	7,580.62	-927.90	-4,609.51	PTB: 12502' MD

RECEIVED MAY 29 2019



RECEIVED

JAN 06 2020

DISTRICT 7 - ARTESIA O.C.D.

May 22, 2019

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Attn: Ava Monroe

Re: **Stebbins 19 Fed Com 127H**

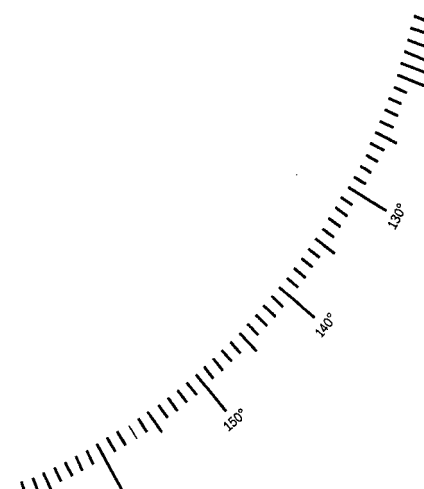
30-015-44174

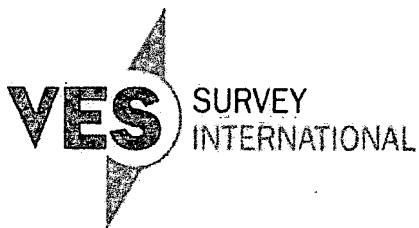
Please find enclosed a copy of the survey from 0' to 346' ran on the above referenced well.

If I can be of any further service, please do not hesitate to call me at 800-606-4976.

Sincerely,


Jennifer Byerly
Operations





I Andrew Meadville certify that I am employed by VES Survey International. That I did on the day(s) of 05/18/19 through 05/18/19 conduct or supervise the taking of a Rate Gyro survey from a depth of 0.00 feet to a depth of 346.00 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Vaughn Energy Services, that I am authorized and qualified to make this report; that this survey was conducted at the request of Matador Production for the Stebbins 19 Fed Com Well # 127H API # 30-015-44174 in Eddy County / Parish New Mexico; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by VES Survey International.

A handwritten signature in black ink, appearing to read "A. Meadville", is written over a horizontal line.

Andrew Meadville
Service Technician
VES Survey International



Company: MATADOR PRODUCTION
Lease/Well: STEBBINS 19 FED COM/127H

Rig Name: PATTERSON 809
State/County: NEW MEXICO/EDDY
VS-Azi: 0.00 Degrees
Latitude: 32.55788, Longitude: -104.10661
Grid North = True North -0.12 degs (NAD 27)
Grid Correction Applied = -0.12 degs



Depth Reference : RKB 29 FEET

DRILLOG MS GYRO SURVEY CALCULATIONS

Filename: msgyro_run01-01-de_01.ut
Minimum Curvature Method
Report Date/Time: 5/22/2019 / 11:43

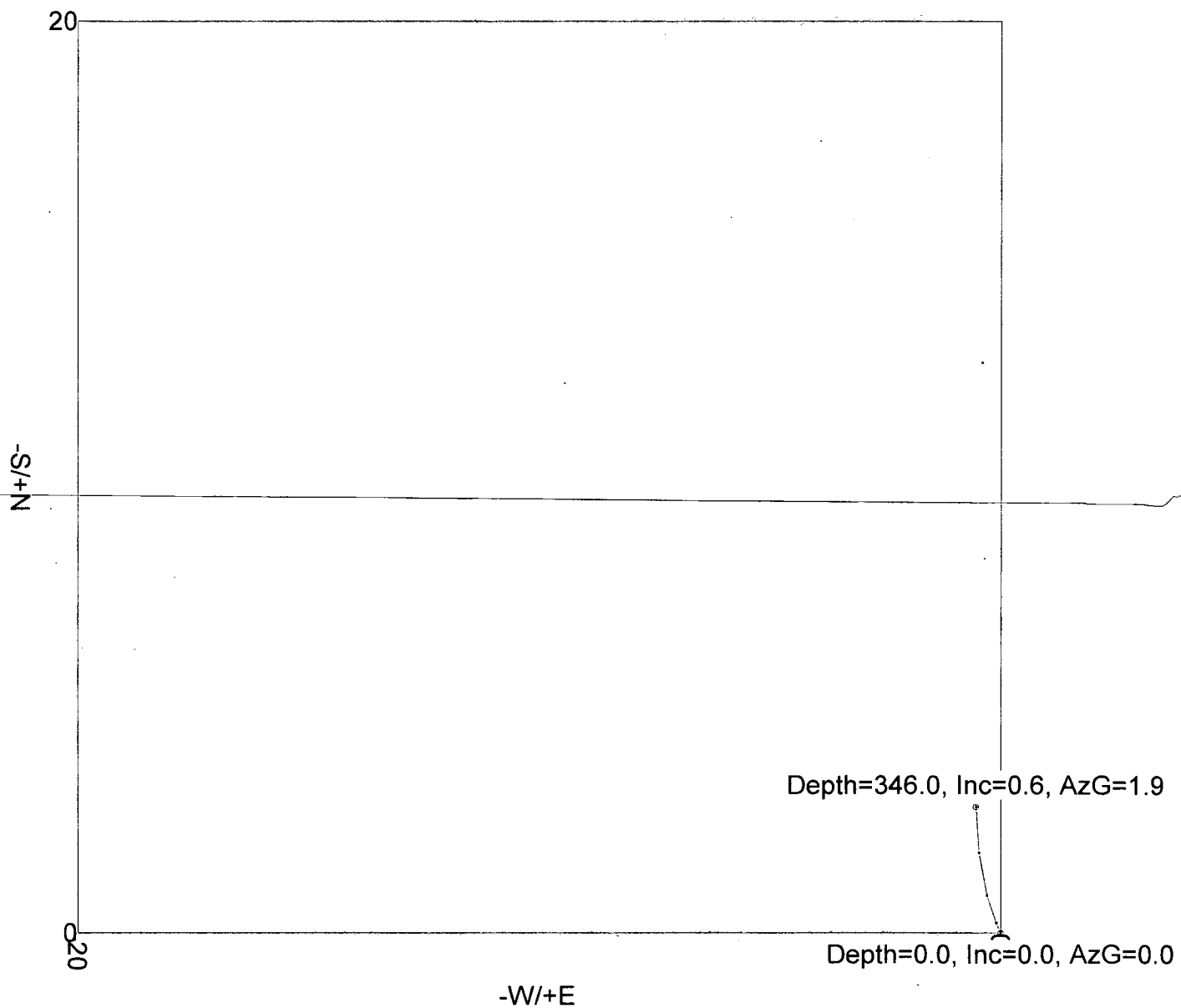
VES Survey International
Midland, TX
432-563-5444

Surveyor: Andrew Meadville
Stebbins 19 Fed Com 127H / 30-015-44174

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
86.50	0.32	335.67	86.50	0.22	-0.10	0.22	0.24	335.67	0.37
173.00	0.51	345.65	173.00	0.82	-0.30	0.82	0.87	340.10	0.24
259.50	0.75	352.07	259.49	1.75	-0.47	1.75	1.82	344.97	0.28
346.00	0.60	1.87	345.99	2.77	-0.53	2.77	2.82	349.08	0.21



VES Survey International
Midland, TX
432-563-5444
Surveyor: Andrew Meadville
Stebbins 19 Fed Com 127H / 30-015-44174



VES Survey Date: 5/18/2019