

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., Sante 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.
Sante Fe, NM 87505

RECEIVED

FORM C-102

Revised August 1, 2011

JAN 06 2020 Submit one copy to appropriate

District Office

DISTRICT IV-ARTESIA O.C.D.

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-44187	² Pool Code 52805	³ Pool Name Russell; Bone Spring
⁴ Property Code 317744	⁵ Property Name STEBBINS 19 FED	⁶ Well Number 137H
⁷ OGRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 3242'

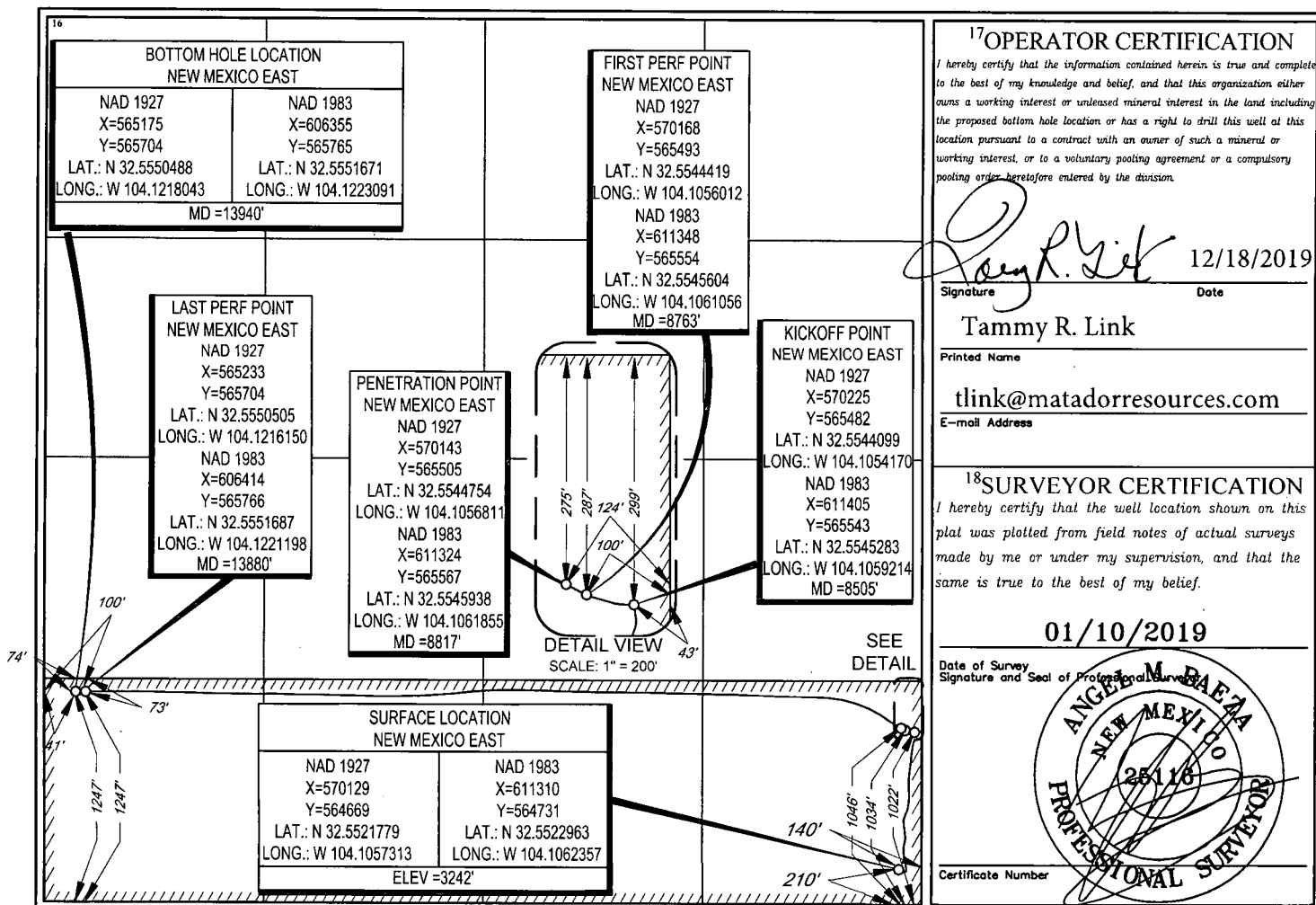
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	19	20-S	29-E	-	210'	SOUTH	140'	EAST	EDDY

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	19	20-S	29-E	-	1247'	SOUTH	41'	WEST	EDDY

¹² Dedicated Acres 155.83	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.



Intent ☐ As Drilled ☒

API #
30-1015-44187

Operator Name: Matadors Production	Property Name: Stebbins 19 Fed	Well Number 137H
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Kick Off Point (KOP)

UL P	Section 19	Township 20S	Range 29E	Lot	Feet 100	From N/S 5	Feet 43	From E/W E	County Eddy
Latitude 32.5545283					Longitude -104.1059214				NAD 1983

First Take Point (FTP)

UL P	Section 19	Township 20S	Range 29E	Lot	Feet 287	From N/S 5	Feet 43	From E/W E	County Eddy
Latitude 32.5545604					Longitude -104.1061056				NAD 1983

Last Take Point (LTP)

UL M	Section 19	Township 20S	Range 29E	Lot	Feet 73	From N/S 5	Feet 1247	From E/W W	County Eddy
Latitude 32.5551687					Longitude -104.1221198				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

RECEIVED

JAN 06 2020

DISTRICT 7 - ARTESIA O.C.D.



30-015-44187

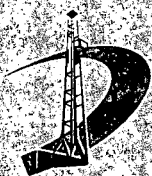
Stebbins 19 Fed No. 137H

Eddy County, NM

May 20, 2019

Job No. LNM5205819

Certified Report



PRODIRECTIONAL

Survey Certification Letter

May 20, 2019



Operator Name: Matador Resources
Well Name: Stebbins 19 Fed No. 137H
County/Parish: Eddy County,
State: NM
Rig Name: Patterson 809
Job Number: LNM5205819

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	1,221' MD – 13,795' MD	13,940' MD	04/15/19 – 04/26/19	MWD

Sincerely,

Mike Coats

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

Stebbins 19 Fed

No. 137H

OH

Survey: ProDirectional

Survey Report

20 May, 2019





ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD 83)
Site: Stebbins 19 Fed
Well: No. 137H
Wellbore: OH
Design: Gyro-MWD-21.67'-13795', PTB: 13940'

Local Co-ordinate Reference: Well No. 137H
TVD Reference: Well @ 3270.50usft
MD Reference: Well @ 3270.50usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Project Eddy County, NM (NAD 83)

Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone

System Datum: Mean Sea Level

Site Stebbins 19 Fed

Site Position:		Northing:	564,731.00 usft	Latitude:	32.552297
From:	Map	Easting:	611,310.00 usft	Longitude:	-104.106235
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.12 °

Well No. 137H

Well Position	+N-S	0.00 usft	Northing:	564,731.00 usft	Latitude:	32.552297
	+E-W	0.00 usft	Easting:	611,310.00 usft	Longitude:	-104.106235
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,242.00 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	4/4/2019	7.22	60.32	47,995.00

Design Gyro-MWD-21.67'-13795', PTB: 13940'

Audit Notes:

Version: 1.0 **Phase:** ACTUAL **Tie On Depth:** 0.00

Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)
	0.00	0.00	0.00	269.96



ProDirectional Survey Report



Company: Matador Resources
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Site: Stebbins 19 Fed
Well: No. 137H
Wellbore: OH
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North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Survey Program Date 5/20/2019

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
21.67	1,021.13	Survey #1 (OH)	NS-GYRO-MS	North sensing gyrocompassing m/s
1,221.00	13,940.00	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	564,731.00	611,310.00
21.67	0.12	89.51	21.67	-0.02	0.00	0.02	0.02	89.51	564,731.00	611,310.02
112.53	0.24	98.76	112.53	-0.31	-0.03	0.31	0.31	95.22	564,730.97	611,310.31
203.39	0.58	116.09	203.39	-0.91	-0.26	0.91	0.94	105.95	564,730.74	611,310.91
294.25	0.87	139.22	294.24	-1.77	-0.98	1.77	2.03	119.06	564,730.02	611,311.77
385.11	1.56	125.20	385.08	-3.23	-2.22	3.23	3.92	124.47	564,728.78	611,313.23
475.97	1.88	136.37	475.90	-5.27	-4.01	5.27	6.62	127.27	564,726.99	611,315.27
566.83	2.13	122.08	566.70	-7.73	-5.99	7.73	9.78	127.76	564,725.01	611,317.73
657.69	2.41	102.97	657.49	-11.02	-7.31	11.02	13.23	123.56	564,723.69	611,321.02
748.55	3.12	94.10	748.25	-15.34	-7.92	15.35	17.27	117.28	564,723.08	611,325.35
839.41	3.86	91.11	838.94	-20.87	-8.15	20.87	22.41	111.34	564,722.85	611,330.87
930.27	3.77	93.62	929.60	-26.91	-8.40	26.91	28.19	107.34	564,722.60	611,336.91
1,021.13	3.44	102.35	1,020.28	-32.55	-9.17	32.56	33.82	105.74	564,721.83	611,342.56
1,221.00	2.50	111.10	1,219.88	-42.47	-12.02	42.48	44.15	105.80	564,718.98	611,352.48
Pro MWD First Survey: 1221' MD										
1,334.00	0.10	30.40	1,332.84	-44.82	-12.83	44.83	46.63	105.97	564,718.17	611,354.83
1,427.00	2.10	343.80	1,425.82	-44.39	-11.12	44.40	45.77	104.06	564,719.88	611,354.40
1,520.00	2.90	1.00	1,518.73	-43.96	-7.13	43.96	44.54	99.21	564,723.87	611,353.96
1,613.00	5.60	4.20	1,611.47	-44.34	-0.25	44.34	44.34	90.33	564,730.75	611,354.34
1,707.00	8.30	0.60	1,704.77	-44.75	11.11	44.74	46.10	76.06	564,742.11	611,354.74
1,800.00	9.10	351.40	1,796.70	-43.73	25.09	43.71	50.40	60.14	564,756.09	611,353.71



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD 83)
Site: Stebbins 19 Fed
Well: No. 137H
Wellbore: OH
Design: Gyro-MWD-21:67'-13795', PTB: 13940'

Local Co-ordinate Reference: Well No: 137H
TVD Reference: Well @ 3270.50usft
MD Reference: Well @ 3270.50usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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	9.90	346.80	1,889.41	-40.78	40.31	40.76	57.32	45.32	564,771.31	611,350.76	
1,987.00	10.20	347.00	1,980.99	-37.12	56.12	37.08	67.26	33.45	564,787.12	611,347.08	
2,080.00	10.60	347.80	2,072.46	-33.47	72.50	33.42	79.83	24.75	564,803.50	611,343.42	
2,174.00	10.50	355.80	2,164.88	-31.03	89.49	30.96	94.70	19.09	564,820.49	611,340.96	
2,268.00	10.90	0.90	2,257.24	-30.55	106.92	30.48	111.18	15.91	564,837.92	611,340.48	
2,361.00	11.30	0.90	2,348.50	-30.85	124.83	30.76	128.56	13.84	564,855.83	611,340.76	
2,455.00	10.40	7.20	2,440.82	-32.07	142.45	31.97	145.99	12.65	564,873.45	611,341.97	
2,548.00	8.20	14.00	2,532.60	-34.73	157.22	34.62	160.98	12.42	564,888.22	611,344.62	
2,642.00	7.30	14.00	2,625.74	-37.81	169.52	37.69	173.66	12.53	564,900.52	611,347.69	
2,735.00	6.90	3.70	2,718.03	-39.61	180.83	39.48	185.08	12.32	564,911.83	611,349.48	
2,829.00	6.80	353.50	2,811.36	-39.35	191.99	39.21	195.95	11.54	564,922.99	611,349.21	
2,922.00	7.10	354.70	2,903.68	-38.20	203.18	38.06	206.72	10.61	564,934.18	611,348.06	
3,016.00	7.20	356.60	2,996.95	-37.32	214.85	37.17	218.04	9.82	564,945.85	611,347.17	
3,203.00	7.00	353.40	3,182.52	-35.34	237.86	35.17	240.45	8.41	564,968.86	611,345.17	
3,296.00	6.90	351.80	3,274.83	-33.89	249.02	33.72	251.30	7.71	564,980.02	611,343.72	
3,390.00	6.90	352.10	3,368.15	-32.32	260.21	32.14	262.18	7.04	564,991.21	611,342.14	
3,483.00	7.10	350.60	3,460.46	-30.62	271.41	30.43	273.11	6.40	565,002.41	611,340.43	
3,576.00	6.90	351.80	3,552.76	-28.89	282.61	28.70	284.06	5.80	565,013.61	611,338.70	
3,669.00	7.90	14.80	3,645.01	-29.74	294.32	29.53	295.80	5.73	565,025.32	611,339.53	
3,763.00	8.40	18.40	3,738.06	-33.57	307.08	33.35	308.89	6.20	565,038.08	611,343.35	
3,856.00	8.50	20.00	3,830.05	-38.07	319.98	37.85	322.21	6.75	565,050.98	611,347.85	
3,950.00	8.40	18.30	3,923.03	-42.61	333.03	42.38	335.72	7.25	565,064.03	611,352.38	
4,043.00	7.70	34.50	4,015.13	-48.28	344.62	48.04	347.95	7.94	565,075.62	611,358.04	
4,137.00	6.30	14.80	4,108.44	-53.17	354.80	52.93	358.72	8.48	565,085.80	611,362.93	
4,230.00	6.10	8.50	4,200.89	-55.21	364.62	54.96	368.73	8.57	565,095.62	611,364.96	
4,324.00	6.10	8.10	4,294.36	-56.66	374.50	56.40	378.72	8.56	565,105.50	611,366.40	
4,418.00	6.20	8.50	4,387.82	-58.12	384.46	57.86	388.79	8.56	565,115.46	611,367.86	



ProDirectional
Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD 83)
Site: Stebbins 19 Fed
Well: No. 137H
Wellbore: OH
Design: Gyro-MWD-21.67-13795, PTB: 13940

Local Co-ordinate Reference: Well No. 137H
TVD Reference: Well @ 3270.50usft
MD Reference: Well @ 3270.50usft
North Reference: Grid
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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)	
4,511.00	6.00	9.20	4,480.29	-59.65	394.23	59.37	398.68	8.56	565,125.23	611,369.37	
4,604.00	5.80	7.30	4,572.80	-61.03	403.69	60.75	408.23	8.56	565,134.69	611,370.75	
4,698.00	6.60	2.40	4,666.25	-61.87	413.80	61.58	418.35	8.46	565,144.80	611,371.58	
4,791.00	6.90	359.60	4,758.61	-62.06	424.72	61.76	429.19	8.27	565,155.72	611,371.76	
4,885.00	6.90	0.80	4,851.93	-62.11	436.02	61.80	440.37	8.07	565,167.02	611,371.80	
4,978.00	6.60	359.90	4,944.28	-62.18	446.95	61.87	451.21	7.88	565,177.95	611,371.87	
5,072.00	6.40	358.10	5,037.68	-62.01	457.58	61.69	461.72	7.68	565,188.58	611,371.69	
5,165.00	7.10	1.00	5,130.03	-61.94	468.51	61.62	472.55	7.49	565,199.51	611,371.62	
5,258.00	7.30	359.30	5,222.30	-61.98	480.17	61.65	484.11	7.32	565,211.17	611,371.65	
5,352.00	6.90	359.30	5,315.58	-61.85	491.78	61.50	495.61	7.13	565,222.78	611,371.50	
5,445.00	6.70	357.20	5,407.92	-61.52	502.79	61.17	506.50	6.94	565,233.79	611,371.17	
5,539.00	7.30	358.30	5,501.22	-61.08	514.23	60.72	517.81	6.73	565,245.23	611,370.72	
5,632.00	7.90	359.60	5,593.40	-60.87	526.53	60.51	530.00	6.56	565,257.53	611,370.51	
5,725.00	7.20	357.60	5,685.60	-60.59	538.75	60.22	542.10	6.38	565,269.75	611,370.22	
5,819.00	7.30	6.70	5,778.85	-61.05	550.56	60.67	553.90	6.29	565,281.56	611,370.67	
5,912.00	7.10	8.60	5,871.12	-62.61	562.11	62.22	565.55	6.32	565,293.11	611,372.22	
6,006.00	6.80	9.20	5,964.43	-64.37	573.35	63.97	576.91	6.37	565,304.35	611,373.97	
6,099.00	5.80	5.60	6,056.86	-65.72	583.46	65.31	587.11	6.39	565,314.46	611,375.31	
6,192.00	6.80	6.80	6,149.30	-66.84	593.61	66.42	597.31	6.38	565,324.61	611,376.42	
6,285.00	6.90	2.30	6,241.64	-67.72	604.66	67.30	608.39	6.35	565,335.66	611,377.30	
6,379.00	7.50	12.40	6,334.90	-69.27	616.29	68.84	620.12	6.37	565,347.29	611,378.84	
6,472.00	7.30	10.30	6,427.12	-71.64	628.03	71.20	632.06	6.47	565,359.03	611,381.20	
6,565.00	6.90	7.30	6,519.41	-73.42	639.39	72.97	643.54	6.51	565,370.39	611,382.97	
6,659.00	6.50	5.30	6,612.77	-74.63	650.28	74.18	654.50	6.51	565,381.28	611,384.18	
6,752.00	6.20	1.90	6,705.20	-75.29	660.55	74.83	664.77	6.46	565,391.55	611,384.83	
6,846.00	5.40	358.60	6,798.72	-75.36	670.04	74.89	674.21	6.38	565,401.04	611,384.89	
6,939.00	7.20	14.30	6,891.16	-76.70	680.06	76.22	684.32	6.40	565,411.06	611,386.22	



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD 83)
Site: Stebbins 19 Fed
Well: No. 137H
Wellbore: OH
Design: Gyro-MWD-21.67'-13795', PTB: 13940'

Local Co-ordinate Reference: Well No. 137H
TVD Reference: Well @ 3270.50usft
MD Reference: Well @ 3270.50usft
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Survey Calculation Method: Minimum Curvature
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)	
7,033.00	7.20	10.00	6,984.42	-79.18	691.57	78.70	696.04	6.49	565,422.57	611,388.70	
7,126.00	6.60	10.50	7,076.74	-81.18	702.57	80.69	707.19	6.55	565,433.57	611,390.69	
7,219.00	5.40	6.10	7,169.23	-82.62	712.18	82.13	716.89	6.58	565,443.18	611,392.13	
7,313.00	5.00	3.50	7,262.85	-83.35	720.66	82.85	725.41	6.56	565,451.66	611,392.85	
7,406.00	7.60	6.40	7,355.28	-84.29	730.82	83.78	735.61	6.54	565,461.82	611,393.78	
7,500.00	6.80	7.60	7,448.54	-85.73	742.51	85.21	747.39	6.55	565,473.51	611,395.21	
7,593.00	6.60	11.70	7,540.90	-87.55	753.20	87.02	758.22	6.59	565,484.20	611,397.02	
7,687.00	5.70	15.00	7,634.36	-89.86	763.00	89.32	768.21	6.68	565,494.00	611,399.32	
7,779.00	5.50	18.00	7,725.92	-92.41	771.61	91.87	777.06	6.79	565,502.61	611,401.87	
7,872.00	5.00	19.50	7,818.53	-95.14	779.67	94.60	785.39	6.92	565,510.67	611,404.60	
7,966.00	4.70	20.10	7,912.19	-97.84	787.15	97.29	793.14	7.05	565,518.15	611,407.29	
8,059.00	4.20	352.10	8,004.92	-98.69	794.10	98.13	800.14	7.04	565,525.10	611,408.13	
8,152.00	4.10	347.80	8,097.68	-97.52	800.72	96.96	806.57	6.90	565,531.72	611,406.96	
8,246.00	3.50	359.20	8,191.47	-96.77	806.88	96.21	812.59	6.80	565,537.88	611,406.21	
8,339.00	2.00	41.20	8,284.37	-97.81	810.94	97.24	816.75	6.84	565,541.94	611,407.24	
8,433.00	0.80	282.90	8,378.35	-98.25	812.32	97.68	818.17	6.86	565,543.32	611,407.68	
8,475.00	1.20	265.50	8,420.35	-97.52	812.35	96.96	818.11	6.81	565,543.35	611,406.96	
8,565.00	5.90	265.70	8,510.15	-91.97	811.93	91.40	817.06	6.42	565,542.93	611,401.40	
8,659.00	15.80	277.70	8,602.36	-74.42	813.28	73.86	816.63	5.19	565,544.28	611,383.86	
8,752.00	24.90	290.70	8,689.51	-43.49	821.92	42.92	823.04	2.99	565,552.92	611,352.92	
8,845.00	35.30	299.40	8,769.90	-1.64	842.10	1.06	842.10	0.07	565,573.10	611,311.06	
8,938.00	45.20	304.80	8,840.81	48.98	874.21	-49.59	875.61	356.75	565,605.21	611,260.41	
9,032.00	51.20	301.80	8,903.45	107.53	912.58	-108.17	918.97	353.24	565,643.58	611,201.83	
9,126.00	58.70	294.00	8,957.45	175.49	948.31	-176.15	964.53	349.48	565,679.31	611,133.85	
9,219.00	66.40	288.10	9,000.31	252.44	977.77	-253.12	1,010.00	345.49	565,708.77	611,056.88	
9,312.00	73.70	281.50	9,032.06	336.86	999.96	-337.55	1,055.40	341.35	565,730.96	610,972.45	
9,406.00	78.50	273.90	9,054.66	427.18	1,012.11	-427.89	1,098.84	337.08	565,743.11	610,882.11	



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD 83)
Site: Stebbins 19 Fed
Well: No. 137H
Wellbore: OH
Design: Gyro-MWD-21.67'-13795', PTB: 13940'

Local Co-ordinate Reference: Well No. 137H
TVD Reference: Well @ 3270.50usft
MD Reference: Well @ 3270.50usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
9,500.00	86.30	272.50	9,067.08	520.13	1,017.30	-520.84	1,142.88	332.89	565,748.30	610,789.16
9,593.00	93.30	270.90	9,067.41	613.03	1,020.05	-613.74	1,190.46	328.97	565,751.05	610,696.26
9,687.00	94.10	270.90	9,061.34	706.82	1,021.53	-707.53	1,242.62	325.29	565,752.53	610,602.47
9,780.00	91.60	271.90	9,056.72	799.66	1,023.80	-800.38	1,299.53	321.98	565,754.80	610,509.62
9,873.00	88.60	272.50	9,056.56	892.58	1,027.37	-893.30	1,361.42	318.99	565,758.37	610,416.70
9,967.00	89.10	271.70	9,058.44	986.50	1,030.81	-987.22	1,427.29	316.24	565,761.81	610,322.78
10,060.00	89.80	271.50	9,059.34	1,079.45	1,033.41	-1,080.18	1,494.89	313.73	565,764.41	610,229.82
10,154.00	90.40	271.30	9,059.17	1,173.42	1,035.70	-1,174.15	1,565.66	311.42	565,766.70	610,135.85
10,247.00	90.40	271.00	9,058.52	1,266.40	1,037.57	-1,267.13	1,637.73	309.31	565,768.57	610,042.87
10,341.00	89.90	270.90	9,058.28	1,360.39	1,039.13	-1,361.11	1,712.43	307.36	565,770.13	609,948.89
10,434.00	90.30	270.90	9,058.11	1,453.37	1,040.59	-1,454.10	1,788.08	305.59	565,771.59	609,855.90
10,527.00	91.60	270.60	9,056.57	1,546.35	1,041.81	-1,547.08	1,865.16	303.96	565,772.81	609,762.92
10,621.00	91.70	270.20	9,053.87	1,640.31	1,042.46	-1,641.04	1,944.15	302.43	565,773.46	609,668.96
10,714.00	92.70	270.20	9,050.30	1,733.24	1,042.79	-1,733.97	2,023.37	301.02	565,773.79	609,576.03
10,808.00	92.80	271.00	9,045.79	1,827.12	1,043.77	-1,827.85	2,104.87	299.73	565,774.77	609,482.15
10,901.00	91.10	271.00	9,042.62	1,920.05	1,045.39	-1,920.78	2,186.83	298.56	565,776.39	609,389.22
10,994.00	90.20	271.60	9,041.57	2,013.02	1,047.50	-2,013.75	2,269.90	297.48	565,778.50	609,296.25
11,088.00	86.90	271.40	9,043.94	2,106.94	1,049.96	-2,107.67	2,354.72	296.48	565,780.96	609,202.33
11,182.00	87.60	271.60	9,048.45	2,200.80	1,052.42	-2,201.53	2,440.15	295.55	565,783.42	609,108.47
11,275.00	88.00	270.60	9,052.02	2,293.71	1,054.20	-2,294.45	2,525.04	294.68	565,785.20	609,015.55
11,368.00	86.50	268.40	9,056.49	2,386.59	1,053.39	-2,387.33	2,609.40	293.81	565,784.39	608,922.67
11,461.00	87.10	267.60	9,061.68	2,479.39	1,050.15	-2,480.12	2,693.29	292.95	565,781.15	608,829.88
11,554.00	89.00	264.90	9,064.84	2,572.13	1,044.07	-2,572.86	2,776.63	292.09	565,775.07	608,737.14
11,648.00	92.80	263.50	9,063.37	2,665.62	1,034.58	-2,666.35	2,860.03	291.21	565,765.58	608,643.65
11,741.00	94.20	265.70	9,057.69	2,758.04	1,025.84	-2,758.75	2,943.31	290.40	565,756.84	608,551.25
11,835.00	93.60	268.00	9,051.29	2,851.67	1,020.69	-2,852.39	3,029.51	289.69	565,751.69	608,457.61
11,928.00	91.40	268.40	9,047.24	2,944.53	1,017.77	-2,945.25	3,116.14	289.06	565,748.77	608,364.75



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD 83)
Site: Stebbins 19.Fed
Well: No. 137H
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Local Co-ordinate Reference: Well No. 137H
TVD Reference: Well @ 3270.50usft
MD Reference: Well @ 3270.50usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)	
12,021.00	91.10	270.10	9,045.21	3,037.50	1,016.55	-3,038.21	3,203.77	288.50	565,747.55	608,271.79	
12,115.00	93.40	270.10	9,041.52	3,131.42	1,016.72	-3,132.13	3,293.02	287.98	565,747.72	608,177.87	
12,208.00	91.20	270.70	9,037.79	3,224.34	1,017.37	-3,225.05	3,381.71	287.51	565,748.37	608,084.95	
12,302.00	89.10	271.60	9,037.54	3,318.31	1,019.25	-3,319.02	3,472.00	287.07	565,750.25	607,990.98	
12,395.00	89.80	271.00	9,038.43	3,411.28	1,021.36	-3,412.00	3,561.59	286.66	565,752.36	607,898.00	
12,488.00	91.00	270.70	9,037.78	3,504.27	1,022.74	-3,504.98	3,651.15	286.27	565,753.74	607,805.02	
12,582.00	92.40	270.60	9,035.00	3,598.22	1,023.81	-3,598.93	3,741.72	285.88	565,754.81	607,711.07	
12,675.00	91.70	270.80	9,031.67	3,691.15	1,024.94	-3,691.86	3,831.50	285.52	565,755.94	607,618.14	
12,769.00	92.30	270.40	9,028.39	3,785.08	1,025.93	-3,785.80	3,922.35	285.16	565,756.93	607,524.20	
12,862.00	93.90	270.10	9,023.36	3,877.94	1,026.33	-3,878.66	4,012.15	284.82	565,757.33	607,431.34	
12,955.00	93.80	270.50	9,017.12	3,970.73	1,026.82	-3,971.45	4,102.04	284.50	565,757.82	607,338.55	
13,048.00	93.90	270.10	9,010.87	4,063.52	1,027.31	-4,064.24	4,192.06	284.19	565,758.31	607,245.76	
13,141.00	92.40	271.50	9,005.76	4,156.36	1,028.60	-4,157.08	4,282.45	283.90	565,759.60	607,152.92	
13,235.00	92.50	271.10	9,001.74	4,250.25	1,030.73	-4,250.97	4,374.15	283.63	565,761.73	607,059.03	
13,328.00	90.90	271.40	8,998.98	4,343.19	1,032.76	-4,343.91	4,464.99	283.37	565,763.76	606,966.09	
13,422.00	90.70	271.00	8,997.67	4,437.15	1,034.73	-4,437.88	4,556.91	283.12	565,765.73	606,872.12	
13,515.00	92.00	270.70	8,995.48	4,530.11	1,036.11	-4,530.84	4,647.80	282.88	565,767.11	606,779.16	
13,608.00	92.40	270.10	8,991.91	4,623.04	1,036.76	-4,623.77	4,738.58	282.64	565,767.76	606,686.23	
13,702.00	94.20	269.80	8,986.50	4,716.88	1,036.68	-4,717.61	4,830.17	282.39	565,767.68	606,592.39	
13,795.00	95.60	269.30	8,978.56	4,809.54	1,035.95	-4,810.26	4,920.55	282.15	565,766.95	606,499.74	
Last Survey: 13795' MD											
13,940.00	95.60	269.30	8,964.41	4,953.84	1,034.19	-4,954.56	5,061.34	281.79	565,765.19	606,355.44	
PTB: 13940' MD											



ProDirectional Survey Report



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Local Co-ordinate Reference: Well No: 137H
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MD Reference: Well @ 3270.50usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,221.00	1,219.88	-12.02	42.48	Pro MWD First Survey: 1221' MD
13,795.00	8,978.56	1,035.95	-4,810.26	Last Survey: 13795' MD
13,940.00	8,964.41	1,034.19	-4,954.56	PTB: 13940' MD