

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

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, STE 1500, DALLAS, TX 75240		² OGRID Number 228937	
		³ Reason for Filing Code/ Effective Date NW	
⁴ API Number 30 - 0 15-46667	⁵ Pool Name CULEBRA BLUFF;BONE SPRING, SOUTH		⁶ Pool Code 15011
⁷ Property Code 326434	⁸ Property Name RAY STATE COM		⁹ Well Number 123H

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
O	36	23S	28E		188	South	2589	East	Eddy

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	25	23S	28E		42	North	2012	East	Eddy
¹² Lse Code S	¹³ Producing Method Code F	¹⁴ Gas Connection Date 10/15/2020	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
371242	LONGWOOD RB PIPELINE, LLC 5400 LBJ FREEWAY, STE 1500 DALLAS, TX 75240	G
214984	PLAINS MARKETING, L.P. 17304 PRESTON RD. STE 140 DALLAS, TX 75252	O

IV. Well Completion Data

²¹ Spud Date 5/19/2020	²² Ready Date 10/15/2020	²³ TD 8430' TVD/18670' MD	²⁴ PBTD 18553' MD 8435' TVD	²⁵ Perforations 8440' - 18528' MD 8335' - 8436' TVD	²⁶ DHC, MC ---
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
17-1/2"		13-3/8"	54.50	326'	520
12-1/4"		9-5/8"	40.00	2747'	1048
8-3/4"		5-1/2"	20.00	18,652'	3350

V. Well Test Data

³¹ Date New Oil 10/15/2020	³² Gas Delivery Date 10/15/2020	³³ Test Date 10/23/2020	³⁴ Test Length 24 hours	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 970
³⁷ Choke Size 64/64	³⁸ Oil 1814	³⁹ Water 6200	⁴⁰ Gas 2998		⁴¹ Test Method F

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: <i>Nicky Fitzgerald</i>	OIL CONSERVATION DIVISION Approved by: KURT SIMMONS
Printed name: Nicky Fitzgerald	Title: NMOCD, SANTA FE
Title: Regulatory Analyst	Approval Date: 07/16/2021
E-mail Address: nicky.fitzgerald@matadorresources.com	
Date: 11/19/2020	Phone: 972-371-5448

District I
1625 N. French Dr., Hobbs, NM 88420
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 30-015-46667	² Pool Code 15011	³ Pool Name CULEBRA BLUFF; BONE SPRING, SOUTH
⁴ Property Code 326434	⁵ Property Name RAY STATE COM	
⁶ Well Number 123H		
⁷ OGRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 2962'

¹⁰Surface Location

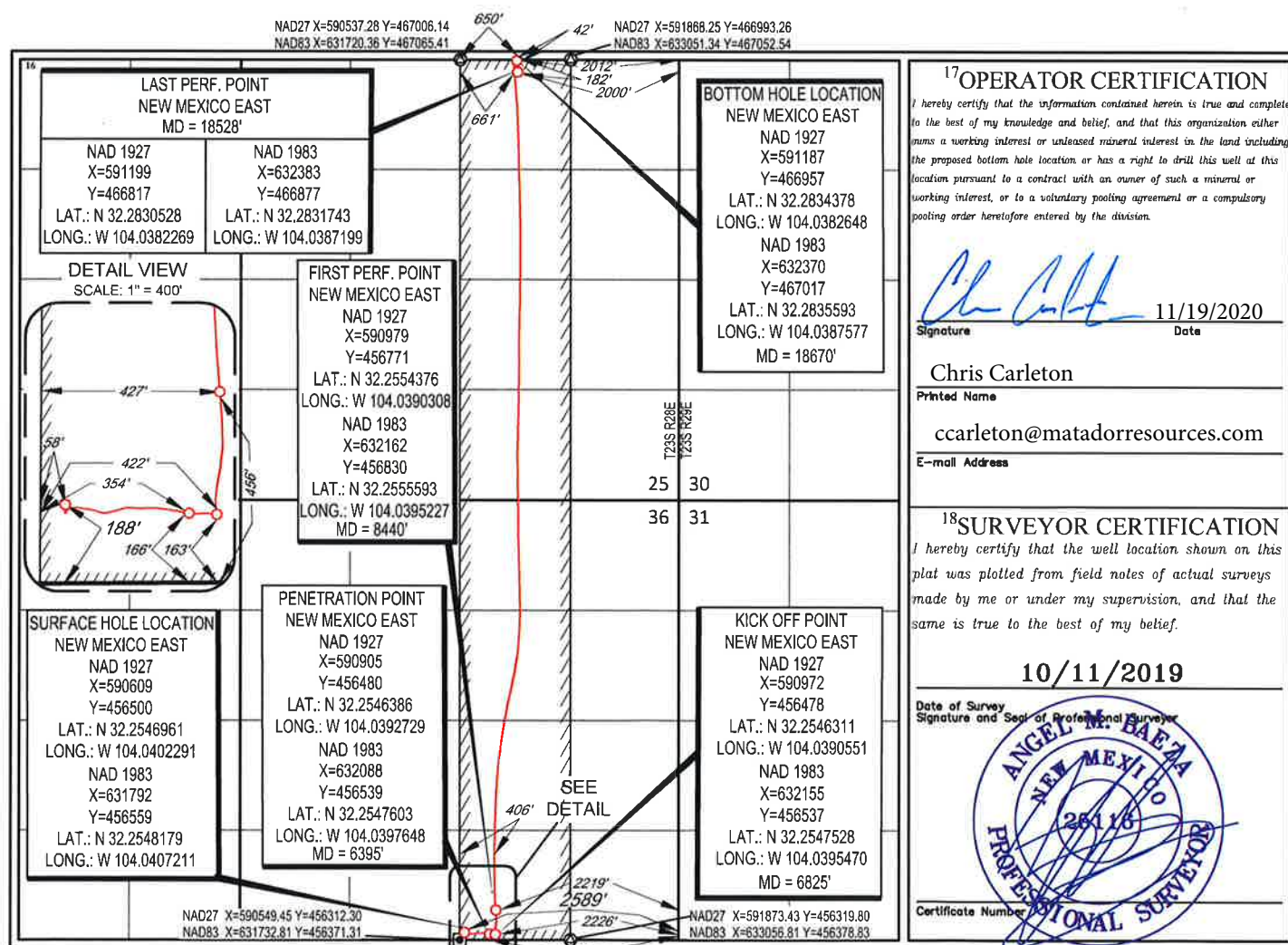
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	36	23-S	28-E	—	188'	SOUTH	2589'	EAST	EDDY

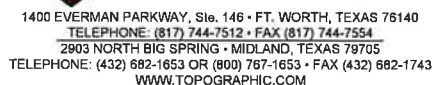
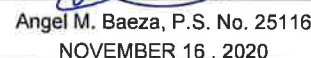
¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	25	23-S	28-E	—	42'	NORTH	2012'	EAST	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.





S:\SURVEY\MATADOR RESOURCES\RAY STATE COM 36-235-28\FINAL PRODUCTS\AD RAY STATE COM 123H.DWG 11/18/2020 2:09:10 PM adisabell



3335 Pollok Drive
Conroe, Texas 77303
936.442.2500 (office)
www.msdir.com

MS Directional LLC Survey Data Certification

MS Directional LLC Job Number: MSMO-77406
Survey Type: MWD
Operating Company: Matador Resources
Well Name and Number: Ray State Com 123H
Location: Eddy, New Mexico
API Number: 30-015-46667
Tie In Depth: 2672.00
Surveyed Depths: 2786.00' - 18611.00'
Projected TD Survey: 18670.00'
Dates Performed: 05/19/2020 - 06/05/2020

To the best of my knowledge, I certify the following:

1. The data is true, correct and complete and within the limitations of the tool set forth by MS Directional LLC
2. I am authorized and qualified to make this report; and
3. I have reviewed this report and find it conforms to the principles and procedures as set forth by MS Directional LLC

MWD Surveyor Name: Charlie Salvaggio
MWD Operations Manager: Charles Davis
Signature: 
Date: 06/09/2020
Email: charles.davis@msdir.com



Matador Resources
Eddy County, New Mexico (NAD 27)
Ray State Com 123H
Wellbore 1

MS MWD
Certified Survey Report
10 June 2020



Field Eddy County, New Mexico (NAD 27) - Matador Resources			
CRS	US-SPC27-EXACT / New Mexico East 3001		
Apply Scale Factor	NO		
System Datum	Mean Sea Level		
Scale Factor	0.9999090909		
Depth Datum->MSL	2990.50 UsFt		

Well Ray State Com 123H			
Local North	-29.00 UsFt		
Map Northing	456500.00 US survey foot		
Latitude	32° 15' 16.904" N		
Depth Datum	WELL		
GL Elevation	2962.00 UsFt		
Grid Convergence	0.156		
Local East	-9.00 UsFt		
Map Easting	590609.00 US survey foot		
Longitude	104° 2' 24.823" W		
Datum Elevation	2990.50 UsFt		

Well bore Ray State Com 123H - Wellbore 1			
Magnetic Model	User defined		
Total Field (nT)	47801.90		
Declination (°)	6.950		
VS Origin	User Defined		
VS Origin NS	0.00 UsFt		
Date	27/05/2020		
Dip Angle (°)	59.967		
VS Azimuth	359.93		
VS Origin EW	0.00 UsFt		

Survey Program MS MWD			
Depth From (UsFt)	0.00	Depth To (UsFt)	2672.00
2786.00		Survey	VES Gyro
		MS MWD	
		Survey Tool	VESSI_GYRO_DROP
		MWD+HRGM	

Survey Report									
MD	Inc	Azi	TVD	NS	EW	VS	DLS	BR	TR
UsFt	°	°	UsFt	UsFt	UsFt	UsFt	(*/100 UsFt)	(*/100 UsFt)	(*/100 UsFt)
2672.00	3.27	107.70	2669.12	-16.12	77.78	-16.21	0.00	0.00	0.00 Tie In
2786.00	3.30	109.70	2782.93	-18.21	83.96	-18.32	0.10	0.03	1.75
2977.00	3.90	85.30	2973.57	-19.53	95.61	-19.65	0.85	0.31	-12.77
3169.00	3.80	73.20	3165.14	-17.16	108.21	-17.29	0.43	-0.05	-6.30
3360.00	3.70	78.60	3355.73	-14.11	120.31	-14.26	0.19	-0.05	2.83
3551.00	3.10	71.10	3546.39	-11.22	131.24	-11.38	0.39	-0.31	-3.93
3742.00	2.80	68.00	3737.14	-7.80	140.45	-7.97	0.18	-0.16	-1.62
3933.00	3.20	94.50	3927.89	-6.47	150.09	-6.65	0.75	0.21	13.87
4124.00	2.70	95.10	4118.63	-7.29	159.89	-7.48	0.26	-0.26	0.31
4315.00	2.40	93.80	4309.44	-7.95	168.36	-8.16	0.16	-0.16	-0.68
4506.00	3.40	90.10	4500.20	-8.23	178.01	-8.45	0.53	0.52	-1.94
4697.00	3.50	88.60	4690.85	-8.10	189.51	-8.33	0.07	0.05	-0.79
4888.00	2.90	88.20	4881.55	-7.80	200.16	-8.05	0.31	-0.31	-0.21
5079.00	2.70	84.70	5072.32	-7.24	209.47	-7.49	0.14	-0.10	-1.83
5271.00	3.40	98.50	5264.05	-7.66	219.61	-7.93	0.53	0.36	7.19
5462.00	3.20	96.90	5454.74	-9.14	230.50	-9.42	0.12	-0.10	-0.84
5652.00	4.30	98.20	5644.33	-10.79	242.81	-11.09	0.58	0.58	0.68
5844.00	4.70	100.20	5835.74	-13.21	257.68	-13.52	0.22	0.21	1.04
6035.00	4.20	99.90	6026.16	-15.80	272.27	-16.13	0.26	-0.26	-0.16
6226.00	3.80	101.80	6216.69	-18.29	285.36	-18.64	0.22	-0.21	0.99
6417.00	3.30	97.70	6407.33	-20.33	297.00	-20.69	0.29	-0.26	-2.15
6609.00	2.50	92.70	6599.08	-21.26	306.66	-21.64	0.44	-0.42	-2.60
6799.00	2.40	84.30	6788.91	-21.06	314.76	-21.45	0.20	-0.05	-4.42
6991.00	3.60	84.20	6980.64	-20.05	324.76	-20.45	0.63	0.63	-0.05
7182.00	2.90	90.70	7171.33	-19.51	335.55	-19.92	0.41	-0.37	3.40
7373.00	3.30	93.60	7362.05	-19.91	345.87	-20.33	0.22	0.21	1.52
7564.00	2.40	103.70	7552.82	-21.20	355.24	-21.64	0.54	-0.47	5.29
7724.00	2.00	103.00	7712.70	-22.63	361.22	-23.07	0.25	-0.25	-0.44
7793.00	1.30	70.00	7781.67	-22.63	363.13	-23.07	1.67	-1.01	-47.83
7841.00	7.10	348.40	7829.54	-19.53	363.04	-19.98	14.64	12.08	170.00
7888.00	12.30	347.00	7875.85	-11.80	361.33	-12.25	11.07	11.06	-2.98
7984.00	16.20	0.40	7968.90	11.57	359.12	11.13	5.30	4.06	13.96
8079.00	23.30	11.60	8058.29	43.27	363.00	42.83	8.44	7.47	11.79
8175.00	31.00	9.60	8143.65	86.31	370.95	85.86	8.08	8.02	-2.08
8270.00	39.30	2.60	8221.29	140.61	376.41	140.15	9.70	8.74	-7.37
8366.00	50.90	355.40	8288.98	208.38	374.79	207.93	13.18	12.08	7.50
8461.00	63.20	355.30	8340.56	287.69	368.34	287.24	12.95	12.95	-0.11
8557.00	74.50	356.20	8375.14	376.83	361.74	376.39	11.80	11.77	0.94
8653.00	78.20	357.60	8397.79	469.96	356.71	469.53	4.11	3.85	1.46
8748.00	81.60	0.90	8414.45	563.46	355.50	563.02	4.95	3.58	3.47
8844.00	87.90	359.40	8423.23	659.00	355.74	658.57	6.74	6.56	1.56
8939.00	92.40	359.50	8422.98	753.97	354.83	753.54	4.74	4.74	0.11
9035.00	92.20	358.70	8419.13	849.88	353.32	849.45	0.86	-0.21	-0.83
9130.00	90.60	0.70	8416.81	944.85	352.82	944.41	2.70	-1.68	2.11
9226.00	91.00	0.80	8415.47	1040.83	354.08	1040.40	0.43	0.42	0.10
9321.00	88.90	1.50	8415.55	1135.80	355.99	1135.37	2.33	-2.21	0.74
9417.00	89.10	1.70	8417.23	1231.75	358.67	1231.31	0.29	0.21	0.21
9513.00	89.60	1.70	8418.32	1327.70	361.52	1327.26	0.52	0.52	0.00
9608.00	90.40	1.80	8418.32	1422.66	364.42	1422.21	0.85	0.84	0.11
9704.00	91.10	1.50	8417.06	1518.61	367.18	1518.16	0.79	0.73	-0.31



Survey Report

MD UsFt	Inc °	Azi °	TVD UsFt	NS UsFt	EW UsFt	VS UsFt	DLS (°/100 UsFt)	BR (°/100 UsFt)	TR (°/100 UsFt)
9799.00	89.80	2.70	8416.31	1613.54	370.66	1613.08	1.86	-1.37	1.26
9895.00	89.90	2.40	8416.56	1709.44	374.93	1708.98	0.33	0.10	-0.31
9990.00	89.80	4.70	8416.81	1804.25	380.81	1803.79	2.42	-0.11	2.42
10086.00	90.30	4.70	8416.73	1899.93	388.68	1899.45	0.52	0.52	0.00
10182.00	91.20	4.50	8415.47	1995.61	396.38	1995.13	0.96	0.94	-0.21
10277.00	90.50	7.20	8414.06	2090.10	406.06	2089.60	2.94	-0.74	2.84
10373.00	88.70	7.80	8414.73	2185.27	418.59	2184.76	1.98	-1.88	0.63
10469.00	87.80	7.00	8417.67	2280.42	430.95	2279.90	1.25	-0.94	-0.83
10564.00	88.10	8.90	8421.06	2374.45	444.08	2373.90	2.02	0.32	2.00
10660.00	88.60	8.80	8423.83	2469.26	458.84	2468.70	0.53	0.52	-0.10
10755.00	89.40	10.60	8425.49	2562.89	474.85	2562.30	2.07	0.84	1.89
10851.00	90.50	10.90	8425.57	2657.20	492.75	2656.60	1.19	1.15	0.31
10947.00	89.10	11.60	8425.91	2751.35	511.48	2750.73	1.63	-1.46	0.73
11042.00	86.90	12.20	8429.22	2844.25	531.06	2843.60	2.40	-2.32	0.63
11138.00	86.70	12.00	8434.58	2937.97	551.15	2937.29	0.29	-0.21	-0.21
11233.00	87.50	11.60	8439.39	3030.84	570.55	3030.14	0.94	0.84	-0.42
11329.00	88.10	10.60	8443.07	3124.97	589.02	3124.25	1.21	0.63	-1.04
11425.00	88.80	9.70	8445.67	3219.44	605.93	3218.69	1.19	0.73	-0.94
11520.00	88.90	8.30	8447.57	3313.24	620.79	3312.48	1.48	0.11	-1.47
11616.00	87.20	5.60	8450.84	3408.47	632.40	3407.70	3.32	-1.77	-2.81
11711.00	87.70	4.80	8455.07	3502.99	641.00	3502.20	0.99	0.53	-0.84
11807.00	88.70	2.50	8458.08	3598.74	647.10	3597.94	2.61	1.04	-2.40
11903.00	89.50	1.80	8459.59	3694.66	650.71	3693.86	1.11	0.83	-0.73
11998.00	90.80	1.70	8459.34	3789.61	653.61	3788.81	1.37	1.37	-0.11
12094.00	89.80	0.30	8458.84	3885.59	655.28	3884.79	1.79	-1.04	-1.46
12190.00	90.00	359.40	8459.01	3981.59	655.03	3980.78	0.96	0.21	0.94
12285.00	90.70	358.90	8458.43	4076.57	653.62	4075.77	0.91	0.74	-0.53
12380.00	91.60	359.00	8456.52	4171.54	651.88	4170.74	0.95	0.95	0.11
12476.00	92.80	359.00	8452.84	4267.45	650.21	4266.65	1.25	1.25	0.00
12572.00	89.90	358.40	8450.57	4363.39	648.03	4362.59	3.08	-3.02	-0.63
12667.00	90.80	358.20	8449.99	4458.34	645.21	4457.55	0.97	0.95	-0.21
12763.00	91.60	358.00	8447.98	4554.27	642.03	4553.48	0.86	0.83	-0.21
12858.00	90.20	359.00	8446.49	4649.22	639.54	4648.44	1.81	-1.47	1.05
12954.00	90.60	359.00	8445.82	4745.21	637.87	4744.42	0.42	0.42	0.00
13049.00	88.60	0.10	8446.48	4840.19	637.12	4839.41	2.40	-2.11	1.16
13145.00	89.00	359.80	8448.50	4936.17	637.04	4935.39	0.52	0.42	0.31
13241.00	89.30	359.00	8449.92	5032.16	636.03	5031.37	0.89	0.31	-0.83
13336.00	89.60	358.40	8450.83	5127.13	633.88	5126.35	0.71	0.32	-0.63
13432.00	90.40	358.10	8450.83	5223.08	630.95	5222.31	0.89	0.83	-0.31
13528.00	90.60	358.80	8449.99	5319.04	628.35	5318.27	0.76	0.21	0.73
13623.00	90.00	0.10	8449.50	5414.03	627.44	5413.26	1.51	-0.63	1.37
13719.00	90.70	359.50	8448.91	5510.03	627.10	5509.26	0.96	0.73	0.62
13815.00	91.80	359.30	8446.82	5606.00	626.10	5605.23	1.16	1.15	-0.21
13910.00	91.50	0.00	8444.08	5700.96	625.52	5700.19	0.80	-0.32	0.74
14006.00	89.70	1.00	8443.07	5796.94	626.35	5796.17	2.14	-1.88	1.04
14102.00	89.90	1.00	8443.41	5892.93	628.03	5892.16	0.21	0.21	0.00
14198.00	91.00	2.00	8442.66	5988.89	630.54	5988.12	1.55	1.15	1.04
14293.00	88.80	1.90	8442.82	6083.83	633.77	6083.05	2.32	-2.32	-0.11
14388.00	89.10	1.70	8444.56	6178.77	636.76	6177.98	0.38	0.32	-0.21
14484.00	90.00	1.50	8445.32	6274.72	639.44	6273.94	0.96	0.94	-0.21
14580.00	90.80	1.10	8444.65	6370.70	641.62	6369.91	0.93	0.83	-0.42
14675.00	89.70	0.90	8444.23	6465.68	643.27	6464.89	1.18	-1.16	-0.21
14771.00	89.30	0.50	8445.07	6561.67	644.45	6560.88	0.59	-0.42	-0.42
14866.00	90.00	0.80	8445.65	6656.66	645.53	6655.87	0.80	0.74	0.32
14962.00	88.20	0.50	8447.16	6752.64	646.61	6751.84	1.90	-1.88	-0.31
15058.00	88.30	0.00	8450.09	6848.59	647.03	6847.80	0.53	0.10	-0.52
15154.00	89.50	0.00	8451.93	6944.57	647.03	6943.78	1.25	1.25	0.00
15249.00	90.40	0.10	8452.02	7039.57	647.12	7038.78	0.95	0.95	0.11
15345.00	91.90	0.30	8450.09	7135.55	647.45	7134.75	1.58	1.56	0.21
15441.00	90.40	0.50	8448.16	7231.52	648.12	7230.73	1.58	-1.56	0.21
15536.00	91.50	1.30	8446.59	7326.50	649.61	7325.70	1.43	1.16	0.84
15631.00	88.70	1.20	8446.42	7421.47	651.68	7420.66	2.95	-2.95	-0.11
15727.00	89.50	1.10	8447.93	7517.43	653.61	7516.63	0.84	0.83	-0.10
15819.00	90.30	1.00	8448.09	7609.42	655.30	7608.61	0.88	0.87	-0.11
15913.00	88.60	0.80	8448.99	7703.40	656.77	7702.59	1.82	-1.81	-0.21
16007.00	89.00	1.20	8450.96	7797.36	658.41	7796.55	0.60	0.43	0.43
16100.00	89.10	0.70	8452.50	7890.34	659.96	7889.52	0.55	0.11	-0.54
16191.00	89.60	0.50	8453.53	7981.33	660.91	7980.51	0.59	0.55	-0.22
16287.00	90.00	0.40	8453.87	8077.32	661.66	8076.51	0.43	0.42	-0.10
16383.00	90.40	359.80	8453.53	8173.32	661.83	8172.51	0.75	0.42	0.62
16478.00	90.90	359.70	8452.46	8268.31	661.42	8267.50	0.54	0.53	-0.11
16575.00	91.00	359.20	8450.85	8365.29	660.48	8364.48	0.53	0.10	-0.52
16670.00	91.70	359.00	8448.61	8460.26	658.99	8459.44	0.77	0.74	-0.21
16766.00	89.60	358.90	8447.52	8556.23	657.23	8555.42	2.19	-2.19	-0.10
16862.00	90.10	359.20	8447.77	8652.21	655.64	8651.41	0.61	0.52	0.31
16957.00	88.20	358.90	8449.18	8747.19	654.07	8746.38	2.02	-2.00	-0.32
17053.00	87.90	359.00	8452.45	8843.11	652.31	8842.31	0.33	-0.31	0.10
17149.00	88.10	358.60	8455.80	8939.03	650.30	8938.23	0.47	0.21	-0.42



Survey Report

MD UsFt	Inc °	Azi °	TVD UsFt	NS UsFt	EW UsFt	VS UsFt	DLS (°/100 UsFt)	BR (°/100 UsFt)	TR (°/100 UsFt)
17240.00	89.50	359.00	8457.70	9029.99	648.39	9029.19	1.60	1.54	0.44
17336.00	90.30	359.00	8457.87	9125.98	646.72	9125.18	0.83	0.83	0.00
17431.00	91.00	358.80	8456.79	9220.95	644.90	9220.16	0.77	0.74	-0.21
17527.00	91.50	358.60	8454.70	9316.90	642.72	9316.11	0.56	0.52	-0.21
17623.00	90.50	358.20	8453.02	9412.85	640.04	9412.06	1.12	-1.04	-0.42
17718.00	91.10	357.90	8451.70	9507.79	636.81	9507.00	0.71	0.63	-0.32
17814.00	91.70	357.60	8449.35	9603.68	633.04	9602.90	0.70	0.63	-0.31
17909.00	90.90	357.90	8447.20	9698.58	629.31	9697.81	0.90	-0.84	0.32
18005.00	90.10	357.50	8446.36	9794.50	625.46	9793.73	0.93	-0.83	-0.42
18100.00	90.50	356.80	8445.86	9889.38	620.73	9888.62	0.85	0.42	-0.74
18196.00	90.70	356.40	8444.86	9985.21	615.04	9984.45	0.47	0.21	-0.42
18291.00	91.20	356.00	8443.28	10079.99	608.75	10079.23	0.67	0.53	-0.42
18387.00	91.70	355.60	8440.85	10175.70	601.72	10174.95	0.67	0.52	-0.42
18483.00	92.20	355.40	8437.59	10271.35	594.19	10270.61	0.56	0.52	-0.21
18579.00	93.00	355.00	8433.23	10366.91	586.16	10366.19	0.93	0.83	-0.42
18611.00	93.20	355.00	8431.50	10398.74	583.38	10398.02	0.63	0.63	0.00
18670.00	93.20	355.00	8428.21	10457.42	578.25	10456.71	0.00	0.00	0.00 PTB



I Andrew Meadville certify that I am employed by VES Survey International. That I did on the day(s) of 05/22/20 through 05/22/20 conduct or supervise the taking of a Rate Gyro survey from a depth of 0.00 feet to a depth of 2,672.00 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 Company for the Ray State Com Well # 123H API # 30-015-46667 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 blue ink, appearing to read "A. Meadville", is written over a horizontal line.

Andrew Meadville
Service Technician
VES Survey International



Lease/Well: RAY STATE COM/123H

API: 30-015-46667

Rig Name: PATTERSON 297

State/County: NEW MEXICO/EDDY

Latitude: 32.25, Longitude: -104.04

GRID North is 0.16 Degrees East of True North

VS-Azi: 0.00 Degrees



Depth Reference : RKB 28 FEET

DRILLOG MS GYRO SURVEY CALCULATIONS

Filename: msgyro_run01-01-de_01.ut

Minimum Curvature Method

Report Date/Time: 5/27/2020 / 12:41

VES Survey International

Midland, TX

432-563-5444

Surveyor: Andrew Meadville

Ray State Com 123H / API: 30-015-46667

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	****
91.52	0.49	157.81	91.52	-0.36	0.15	-0.36	0.39	157.81	0.54
183.68	1.32	175.71	183.67	-1.79	0.38	-1.79	1.82	168.11	0.94
275.84	2.19	181.83	275.78	-4.61	0.40	-4.61	4.62	175.05	0.97
368.00	2.36	177.22	367.87	-8.26	0.43	-8.26	8.27	176.99	0.27
460.16	1.63	182.64	459.97	-11.46	0.47	-11.46	11.47	177.67	0.82
552.32	0.53	250.21	552.12	-12.92	0.00	-12.92	12.92	179.99	1.64
644.48	0.79	183.67	644.27	-13.70	-0.44	-13.70	13.71	181.85	0.83
736.64	1.19	165.77	736.42	-15.26	-0.25	-15.26	15.27	180.93	0.54
828.80	1.05	176.23	828.56	-17.03	0.04	-17.03	17.03	179.86	0.27
920.96	0.95	205.42	920.71	-18.56	-0.23	-18.56	18.56	180.72	0.56
1013.12	1.05	108.65	1012.86	-19.53	0.24	-19.53	19.53	179.31	1.63
1105.28	1.33	39.38	1105.00	-18.97	1.71	-18.97	19.05	174.84	1.49
1197.44	1.36	35.11	1197.14	-17.25	3.02	-17.25	17.51	170.07	0.11
1289.60	1.06	28.39	1289.28	-15.61	4.05	-15.61	16.13	165.45	0.36
1381.76	1.51	27.10	1381.41	-13.78	5.01	-13.78	14.66	160.02	0.49
1473.92	1.21	40.35	1473.55	-11.96	6.19	-11.96	13.46	152.62	0.47
1566.08	1.30	59.30	1565.69	-10.68	7.72	-10.68	13.18	144.16	0.46
1658.24	2.10	67.83	1657.81	-9.51	10.18	-9.51	13.93	133.07	0.91

Released by OCD: 5/5/2021 10:20:45 AM

Page 3 of 30

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 Deg/100
1750.40	2.98	82.59	1749.88	-8.57	14.12	-8.57	16.52	121.25	1.19
1842.56	2.83	83.33	1841.92	-7.99	18.76	-7.99	20.39	113.08	0.17
1934.72	2.97	83.96	1933.96	-7.48	23.40	-7.48	24.56	107.72	0.15
2026.88	3.91	93.70	2025.95	-7.43	28.91	-7.43	29.84	104.41	1.20
2119.04	5.42	94.05	2117.80	-7.94	36.38	-7.94	37.24	102.31	1.64
2211.20	4.96	99.06	2209.59	-8.87	44.65	-8.87	45.52	101.24	0.70
2303.36	4.37	97.72	2301.44	-9.97	52.06	-9.97	53.00	100.84	0.65
2395.52	4.51	101.54	2393.33	-11.17	59.08	-11.17	60.13	100.70	0.35
2487.68	4.31	104.55	2485.21	-12.76	65.98	-12.76	67.20	100.95	0.33
2579.84	3.82	106.06	2577.14	-14.48	72.28	-14.48	73.72	101.33	0.54
2672.00	3.27	107.70	2669.13	-16.13	77.74	-16.13	79.40	101.72	0.61

HORIZONTAL DISPLACEMENT IS
79.40 FEET AT 101.72 DEGREES



3335 Pollok Drive
Conroe, Texas 77303
936.442.2500 (office)
www.msdir.com

MS Directional LLC Survey Data Certification

MS Directional LLC Job Number: MSMO-77406
Survey Type: MWD
Operating Company: Matador Resources
Well Name and Number: Ray State Com 123H
Location: Eddy, New Mexico
API Number: 30-015-46667
Tie In Depth: 2672.00
Surveyed Depths: 2786.00' - 18611.00'
Projected TD Survey: 18670.00'
Dates Performed: 05/19/2020 - 06/05/2020

To the best of my knowledge, I certify the following:

1. The data is true, correct and complete and within the limitations of the tool set forth by MS Directional LLC
2. I am authorized and qualified to make this report; and
3. I have reviewed this report and find it conforms to the principles and procedures as set forth by MS Directional LLC

MWD Surveyor Name: Charlie Salvaggio
MWD Operations Manager: Charles Davis
Signature: 
Date: 06/09/2020
Email: charles.davis@msdir.com



**Matador Resources
Eddy County, New Mexico (NAD 27)
Ray State Com 123H
Wellbore 1**

**MS MWD
Certified Survey Report
10 June 2020**



Field Eddy County, New Mexico (NAD 27) - Matador Resources			
CRS	US-SPC27-EXACT / New Mexico East 3001		
Apply Scale Factor	NO		
System Datum	Mean Sea Level		
Scale Factor	0.9999090909		
Depth Datum->MSL	2990.50 UsFt		

Well Ray State Com 123H			
Local North	-29.00 UsFt		
Map Northing	456500.00 US survey foot		
Latitude	32° 15' 16.904" N		
Depth Datum	WELL		
GL Elevation	2962.00 UsFt		
Grid Convergence	0.156		
Local East	-9.00 UsFt		
Map Easting	590609.00 US survey foot		
Longitude	104° 2' 24.823" W		
Datum Elevation	2990.50 UsFt		

Well bore Ray State Com 123H - Wellbore 1			
Magnetic Model	User defined		
Total Field (nT)	47801.90		
Declination (°)	6.950		
VS Origin	User Defined		
VS Origin NS	0.00 UsFt		
Date	27/05/2020		
Dip Angle (°)	59.967		
VS Azimuth	359.93		
VS Origin EW	0.00 UsFt		

Survey Program MS MWD			
Depth From (UsFt)	0.00	Depth To (UsFt)	2672.00
2786.00		Survey	VES Gyro
		MS MWD	
		Survey Tool	VESSEI_GYRO_DROP
			MWD+HRGM

Survey Report									
MD	Inc	Azi	TVD	NS	EW	VS	DLS	BR	TR
UsFt	°	°	UsFt	UsFt	UsFt	UsFt	(*/100 UsFt)	(*/100 UsFt)	(*/100 UsFt)
2672.00	3.27	107.70	2669.12	-16.12	77.78	-16.21	0.00	0.00	0.00 Tie In
2786.00	3.30	109.70	2782.93	-18.21	83.96	-18.32	0.10	0.03	1.75
2977.00	3.90	85.30	2973.57	-19.53	95.61	-19.65	0.85	0.31	-12.77
3169.00	3.80	73.20	3165.14	-17.16	108.21	-17.29	0.43	-0.05	-6.30
3360.00	3.70	78.60	3355.73	-14.11	120.31	-14.26	0.19	-0.05	2.83
3551.00	3.10	71.10	3546.39	-11.22	131.24	-11.38	0.39	-0.31	-3.93
3742.00	2.80	68.00	3737.14	-7.80	140.45	-7.97	0.18	-0.16	-1.62
3933.00	3.20	94.50	3927.89	-6.47	150.09	-6.65	0.75	0.21	13.87
4124.00	2.70	95.10	4118.63	-7.29	159.89	-7.48	0.26	-0.26	0.31
4315.00	2.40	93.80	4309.44	-7.95	168.36	-8.16	0.16	-0.16	-0.68
4506.00	3.40	90.10	4500.20	-8.23	178.01	-8.45	0.53	0.52	-1.94
4697.00	3.50	88.60	4690.85	-8.10	189.51	-8.33	0.07	0.05	-0.79
4888.00	2.90	88.20	4881.55	-7.80	200.16	-8.05	0.31	-0.31	-0.21
5079.00	2.70	84.70	5072.32	-7.24	209.47	-7.49	0.14	-0.10	-1.83
5271.00	3.40	98.50	5264.05	-7.66	219.61	-7.93	0.53	0.36	7.19
5462.00	3.20	96.90	5454.74	-9.14	230.50	-9.42	0.12	-0.10	-0.84
5652.00	4.30	98.20	5644.33	-10.79	242.81	-11.09	0.58	0.58	0.68
5844.00	4.70	100.20	5835.74	-13.21	257.68	-13.52	0.22	0.21	1.04
6035.00	4.20	99.90	6026.16	-15.80	272.27	-16.13	0.26	-0.26	-0.16
6226.00	3.80	101.80	6216.69	-18.29	285.36	-18.64	0.22	-0.21	0.99
6417.00	3.30	97.70	6407.33	-20.33	297.00	-20.69	0.29	-0.26	-2.15
6609.00	2.50	92.70	6599.08	-21.26	306.66	-21.64	0.44	-0.42	-2.60
6799.00	2.40	84.30	6788.91	-21.06	314.76	-21.45	0.20	-0.05	-4.42
6991.00	3.60	84.20	6980.64	-20.05	324.76	-20.45	0.63	0.63	-0.05
7182.00	2.90	90.70	7171.33	-19.51	335.55	-19.92	0.41	-0.37	3.40
7373.00	3.30	93.60	7362.05	-19.91	345.87	-20.33	0.22	0.21	1.52
7564.00	2.40	103.70	7552.82	-21.20	355.24	-21.64	0.54	-0.47	5.29
7724.00	2.00	103.00	7712.70	-22.63	361.22	-23.07	0.25	-0.25	-0.44
7793.00	1.30	70.00	7781.67	-22.63	363.13	-23.07	1.67	-1.01	-47.83
7841.00	7.10	348.40	7829.54	-19.53	363.04	-19.98	14.64	12.08	170.00
7888.00	12.30	347.00	7875.85	-11.80	361.33	-12.25	11.07	11.06	-2.98
7984.00	16.20	0.40	7968.90	11.57	359.12	11.13	5.30	4.06	13.96
8079.00	23.30	11.60	8058.29	43.27	363.00	42.83	8.44	7.47	11.79
8175.00	31.00	9.60	8143.65	86.31	370.95	85.86	8.08	8.02	-2.08
8270.00	39.30	2.60	8221.29	140.61	376.41	140.15	9.70	8.74	-7.37
8366.00	50.90	355.40	8288.98	208.38	374.79	207.93	13.18	12.08	7.50
8461.00	63.20	355.30	8340.56	287.69	368.34	287.24	12.95	12.95	-0.11
8557.00	74.50	356.20	8375.14	376.83	361.74	376.39	11.80	11.77	0.94
8653.00	78.20	357.60	8397.79	469.96	356.71	469.53	4.11	3.85	1.46
8748.00	81.60	0.90	8414.45	563.46	355.50	563.02	4.95	3.58	3.47
8844.00	87.90	359.40	8423.23	659.00	355.74	658.57	6.74	6.56	1.56
8939.00	92.40	359.50	8422.98	753.97	354.83	753.54	4.74	4.74	0.11
9035.00	92.20	358.70	8419.13	849.88	353.32	849.45	0.86	-0.21	-0.83
9130.00	90.60	0.70	8416.81	944.85	352.82	944.41	2.70	-1.68	2.11
9226.00	91.00	0.80	8415.47	1040.83	354.08	1040.40	0.43	0.42	0.10
9321.00	88.90	1.50	8415.55	1135.80	355.99	1135.37	2.33	-2.21	0.74
9417.00	89.10	1.70	8417.23	1231.75	358.67	1231.31	0.29	0.21	0.21
9513.00	89.60	1.70	8418.32	1327.70	361.52	1327.26	0.52	0.52	0.00
9608.00	90.40	1.80	8418.32	1422.66	364.42	1422.21	0.85	0.84	0.11
9704.00	91.10	1.50	8417.06	1518.61	367.18	1518.16	0.79	0.73	-0.31



Survey Report

MD UsFt	Inc °	Azi °	TVD UsFt	NS UsFt	EW UsFt	VS UsFt	DLS (°/100 UsFt)	BR (°/100 UsFt)	TR (°/100 UsFt)
9799.00	89.80	2.70	8416.31	1613.54	370.66	1613.08	1.86	-1.37	1.26
9895.00	89.90	2.40	8416.56	1709.44	374.93	1708.98	0.33	0.10	-0.31
9990.00	89.80	4.70	8416.81	1804.25	380.81	1803.79	2.42	-0.11	2.42
10086.00	90.30	4.70	8416.73	1899.93	388.68	1899.45	0.52	0.52	0.00
10182.00	91.20	4.50	8415.47	1995.61	396.38	1995.13	0.96	0.94	-0.21
10277.00	90.50	7.20	8414.06	2090.10	406.06	2089.60	2.94	-0.74	2.84
10373.00	88.70	7.80	8414.73	2185.27	418.59	2184.76	1.98	-1.88	0.63
10469.00	87.80	7.00	8417.67	2280.42	430.95	2279.90	1.25	-0.94	-0.83
10564.00	88.10	8.90	8421.06	2374.45	444.08	2373.90	2.02	0.32	2.00
10660.00	88.60	8.80	8423.83	2469.26	458.84	2468.70	0.53	0.52	-0.10
10755.00	89.40	10.60	8425.49	2562.89	474.85	2562.30	2.07	0.84	1.89
10851.00	90.50	10.90	8425.57	2657.20	492.75	2656.60	1.19	1.15	0.31
10947.00	89.10	11.60	8425.91	2751.35	511.48	2750.73	1.63	-1.46	0.73
11042.00	86.90	12.20	8429.22	2844.25	531.06	2843.60	2.40	-2.32	0.63
11138.00	86.70	12.00	8434.58	2937.97	551.15	2937.29	0.29	-0.21	-0.21
11233.00	87.50	11.60	8439.39	3030.84	570.55	3030.14	0.94	0.84	-0.42
11329.00	88.10	10.60	8443.07	3124.97	589.02	3124.25	1.21	0.63	-1.04
11425.00	88.80	9.70	8445.67	3219.44	605.93	3218.69	1.19	0.73	-0.94
11520.00	88.90	8.30	8447.57	3313.24	620.79	3312.48	1.48	0.11	-1.47
11616.00	87.20	5.60	8450.84	3408.47	632.40	3407.70	3.32	-1.77	-2.81
11711.00	87.70	4.80	8455.07	3502.99	641.00	3502.20	0.99	0.53	-0.84
11807.00	88.70	2.50	8458.08	3598.74	647.10	3597.94	2.61	1.04	-2.40
11903.00	89.50	1.80	8459.59	3694.66	650.71	3693.86	1.11	0.83	-0.73
11998.00	90.80	1.70	8459.34	3789.61	653.61	3788.81	1.37	1.37	-0.11
12094.00	89.80	0.30	8458.84	3885.59	655.28	3884.79	1.79	-1.04	-1.46
12190.00	90.00	359.40	8459.01	3981.59	655.03	3980.78	0.96	0.21	0.94
12285.00	90.70	358.90	8458.43	4076.57	653.62	4075.77	0.91	0.74	-0.53
12380.00	91.60	359.00	8456.52	4171.54	651.88	4170.74	0.95	0.95	0.11
12476.00	92.80	359.00	8452.84	4267.45	650.21	4266.65	1.25	1.25	0.00
12572.00	89.90	358.40	8450.57	4363.39	648.03	4362.59	3.08	-3.02	-0.63
12667.00	90.80	358.20	8449.99	4458.34	645.21	4457.55	0.97	0.95	-0.21
12763.00	91.60	358.00	8447.98	4554.27	642.03	4553.48	0.86	0.83	-0.21
12858.00	90.20	359.00	8446.49	4649.22	639.54	4648.44	1.81	-1.47	1.05
12954.00	90.60	359.00	8445.82	4745.21	637.87	4744.42	0.42	0.42	0.00
13049.00	88.60	0.10	8446.48	4840.19	637.12	4839.41	2.40	-2.11	1.16
13145.00	89.00	359.80	8448.50	4936.17	637.04	4935.39	0.52	0.42	0.31
13241.00	89.30	359.00	8449.92	5032.16	636.03	5031.37	0.89	0.31	-0.83
13336.00	89.60	358.40	8450.83	5127.13	633.88	5126.35	0.71	0.32	-0.63
13432.00	90.40	358.10	8450.83	5223.08	630.95	5222.31	0.89	0.83	-0.31
13528.00	90.60	358.80	8449.99	5319.04	628.35	5318.27	0.76	0.21	0.73
13623.00	90.00	0.10	8449.50	5414.03	627.44	5413.26	1.51	-0.63	1.37
13719.00	90.70	359.50	8448.91	5510.03	627.10	5509.26	0.96	0.73	0.62
13815.00	91.80	359.30	8446.82	5606.00	626.10	5605.23	1.16	1.15	-0.21
13910.00	91.50	0.00	8444.08	5700.96	625.52	5700.19	0.80	-0.32	0.74
14006.00	89.70	1.00	8443.07	5796.94	626.35	5796.17	2.14	-1.88	1.04
14102.00	89.90	1.00	8443.41	5892.93	628.03	5892.16	0.21	0.21	0.00
14198.00	91.00	2.00	8442.66	5988.89	630.54	5988.12	1.55	1.15	1.04
14293.00	88.80	1.90	8442.82	6083.83	633.77	6083.05	2.32	-2.32	-0.11
14388.00	89.10	1.70	8444.56	6178.77	636.76	6177.98	0.38	0.32	-0.21
14484.00	90.00	1.50	8445.32	6274.72	639.44	6273.94	0.96	0.94	-0.21
14580.00	90.80	1.10	8444.65	6370.70	641.62	6369.91	0.93	0.83	-0.42
14675.00	89.70	0.90	8444.23	6465.68	643.27	6464.89	1.18	-1.16	-0.21
14771.00	89.30	0.50	8445.07	6561.67	644.45	6560.88	0.59	-0.42	-0.42
14866.00	90.00	0.80	8445.65	6656.66	645.53	6655.87	0.80	0.74	0.32
14962.00	88.20	0.50	8447.16	6752.64	646.61	6751.84	1.90	-1.88	-0.31
15058.00	88.30	0.00	8450.09	6848.59	647.03	6847.80	0.53	0.10	-0.52
15154.00	89.50	0.00	8451.93	6944.57	647.03	6943.78	1.25	1.25	0.00
15249.00	90.40	0.10	8452.02	7039.57	647.12	7038.78	0.95	0.95	0.11
15345.00	91.90	0.30	8450.09	7135.55	647.45	7134.75	1.58	1.56	0.21
15441.00	90.40	0.50	8448.16	7231.52	648.12	7230.73	1.58	-1.56	0.21
15536.00	91.50	1.30	8446.59	7326.50	649.61	7325.70	1.43	1.16	0.84
15631.00	88.70	1.20	8446.42	7421.47	651.68	7420.66	2.95	-2.95	-0.11
15727.00	89.50	1.10	8447.93	7517.43	653.61	7516.63	0.84	0.83	-0.10
15819.00	90.30	1.00	8448.09	7609.42	655.30	7608.61	0.88	0.87	-0.11
15913.00	88.60	0.80	8448.99	7703.40	656.77	7702.59	1.82	-1.81	-0.21
16007.00	89.00	1.20	8450.96	7797.36	658.41	7796.55	0.60	0.43	0.43
16100.00	89.10	0.70	8452.50	7890.34	659.96	7889.52	0.55	0.11	-0.54
16191.00	89.60	0.50	8453.53	7981.33	660.91	7980.51	0.59	0.55	-0.22
16287.00	90.00	0.40	8453.87	8077.32	661.66	8076.51	0.43	0.42	-0.10
16383.00	90.40	359.80	8453.53	8173.32	661.83	8172.51	0.75	0.42	0.62
16478.00	90.90	359.70	8452.46	8268.31	661.42	8267.50	0.54	0.53	-0.11
16575.00	91.00	359.20	8450.85	8365.29	660.48	8364.48	0.53	0.10	-0.52
16670.00	91.70	359.00	8448.61	8460.26	658.99	8459.44	0.77	0.74	-0.21
16766.00	89.60	358.90	8447.52	8556.23	657.23	8555.42	2.19	-2.19	-0.10
16862.00	90.10	359.20	8447.77	8652.21	655.64	8651.41	0.61	0.52	0.31
16957.00	88.20	358.90	8449.18	8747.19	654.07	8746.38	2.02	-2.00	-0.32
17053.00	87.90	359.00	8452.45	8843.11	652.31	8842.31	0.33	-0.31	0.10
17149.00	88.10	358.60	8455.80	8939.03	650.30	8938.23	0.47	0.21	-0.42



Survey Report

MD UsFt	Inc °	Azi °	TVD UsFt	NS UsFt	EW UsFt	VS UsFt	DLS (°/100 UsFt)	BR (°/100 UsFt)	TR (°/100 UsFt)
17240.00	89.50	359.00	8457.70	9029.99	648.39	9029.19	1.60	1.54	0.44
17336.00	90.30	359.00	8457.87	9125.98	646.72	9125.18	0.83	0.83	0.00
17431.00	91.00	358.80	8456.79	9220.95	644.90	9220.16	0.77	0.74	-0.21
17527.00	91.50	358.60	8454.70	9316.90	642.72	9316.11	0.56	0.52	-0.21
17623.00	90.50	358.20	8453.02	9412.85	640.04	9412.06	1.12	-1.04	-0.42
17718.00	91.10	357.90	8451.70	9507.79	636.81	9507.00	0.71	0.63	-0.32
17814.00	91.70	357.60	8449.35	9603.68	633.04	9602.90	0.70	0.63	-0.31
17909.00	90.90	357.90	8447.20	9698.58	629.31	9697.81	0.90	-0.84	0.32
18005.00	90.10	357.50	8446.36	9794.50	625.46	9793.73	0.93	-0.83	-0.42
18100.00	90.50	356.80	8445.86	9889.38	620.73	9888.62	0.85	0.42	-0.74
18196.00	90.70	356.40	8444.86	9985.21	615.04	9984.45	0.47	0.21	-0.42
18291.00	91.20	356.00	8443.28	10079.99	608.75	10079.23	0.67	0.53	-0.42
18387.00	91.70	355.60	8440.85	10175.70	601.72	10174.95	0.67	0.52	-0.42
18483.00	92.20	355.40	8437.59	10271.35	594.19	10270.61	0.56	0.52	-0.21
18579.00	93.00	355.00	8433.23	10366.91	586.16	10366.19	0.93	0.83	-0.42
18611.00	93.20	355.00	8431.50	10398.74	583.38	10398.02	0.63	0.63	0.00
18670.00	93.20	355.00	8428.21	10457.42	578.25	10456.71	0.00	0.00	0.00 PTB

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised April 3, 2017					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG								1. WELL API NO. 30-015-46667		
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								5. Lease Name or Unit Agreement Name RAY STATE COM		
								6. Well Number: 123H		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____										
8. Name of Operator MATADOR PRODUCTION COMPANY							9. OGRID 228937			
10. Address of Operator 5400 LBJ Freeway, Ste 1500 Dallas, TX 75240							11. Pool name or Wildcat CULEBRA BLUFF; BONE SPRING, SOUTH			
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	O	36	23S	28E	---	188	South	2589	East	Eddy
BH:	B	25	23S	28E	---	42	North	2012	East	Eddy
13. Date Spudded 5/19/2020	14. Date T.D. Reached 6/2/2020		15. Date Rig Released 6/5/2020			16. Date Completed (Ready to Produce) 10/15/2020		17. Elevations (DF and RKB, RT, GR, etc.) 2962' GR		
18. Total Measured Depth of Well 8430' TVD/18670' MD			19. Plug Back Measured Depth 18553'			20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run attached		
22. Producing Interval(s), of this completion - Top, Bottom, Name 8440' - 18528' Bone Spring										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13-3/8"		54.50		326' MD/TVD		17-1/2"		520sx C		296sx
9-5/8"		40.00		2747' MD/TVD		12-1/4"		1048sx C		135sx
5-1/2"		20.00		18,652' MD 8430' TVD		8-3/4"		3350sx C		114sx
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET			
----					----					
26. Perforation record (interval, size, and number) 8440' - 18528'; 45 stages; .4"					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
					DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
					8440' - 18528'		26,174,473.50 lbs Total Propanant			
28. PRODUCTION										
Date First Production 10/15/2020		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Prod.				
Date of Test 10/23/2020	Hours Tested 24	Choke Size 64/64	Prod'n For Test Period	Oil - Bbl 1814	Gas - MCF 2998	Water - Bbl. 6200	Gas - Oil Ratio			
Flow Tubing Press.	Casing Pressure 970 psi	Calculated 24-Hour Rate	Oil - Bbl. 1814	Gas - MCF 2998	Water - Bbl. 6200	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) sold							30. Test Witnessed By Johnathan Baker			
31. List Attachments As-Drilled C-102, Directional Survey, Log										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date:			
34. If an on-site burial was used at the well, report the exact location of the on-site burial: Latitude _____ Longitude _____ NAD83										
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief Printed Name Nicky Fitzgerald Title Regulatory Analyst Date 11/19/2020 Signature <i>Nicky Fitzgerald</i> E-mail Address nicky.fitzgerald@matadorresources.com										

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy 142	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt 299	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 2686	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand 2721	T. Morrison	
T. Drinkard	T. Bone Springs 6395	T. Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 27006

ACKNOWLEDGMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 27006
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☐	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☐	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 27006

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 27006
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	7/16/2021