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

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

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
Matador Production Company 5400 LBJ Freeway, Ste 1500 Dallas, TX 75240	228937
	[3] Reason for Filing Code/ Effective Date RT

[4] API Number	[5] Pool Name	[6] Pool Code
30 - 0 15-46894	AVALON; BONE SPRING, EAST	3713
[7] Property Code	**[8] Property Name**	**[9] Well Number**
326053	Leatherneck 3029 Fed Com	127H

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
4	30	20S	29E		1245	South	250	West	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
I	29	20S	29E		1664	South	46	East	Eddy

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
F	Flow				

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
329461	San Mateo Black River Oil Pipeline 5400 LBJ FREEWAY, STE 1500 DALLAS, TX 75240	O

IV. Well Completion Data

[21] Spud Date	[22] Ready Date	[23] TD	[24] PBTD	[25] Perforations	[26] DHC, MC
04/17/2021	06/23/2021	17807DM/ 7872 TVD	17696 MD / 7860 TVD		

[27] Hole Size	[28] Casing & Tubing Size	[29] Depth Set	[30] Sacks Cement
17 1/2"	13 3/8"	1180	1385
12 1/4	9 5/8	Stage tool @ 824' 3150	1410
8 3/4	7	7063	3115
8 3/4	5 1/2	17792	"

V. Well Test Data

[31] Date New Oil	[32] Gas Delivery Date	[33] Test Date	[34] Test Length	[35] Tbg. Pressure	[36] Csg. Pressure
[37] Choke Size	**[38] Oil**	**[39] Water**	**[40] Gas**		**[41] Test Method**

[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: Brett Jennings

Printed name: Brett Jennings

Title: Regulatory Analyst

E-mail Address: Brett.Jennings@matadorresources.com

Date: 07/04/2021 Phone: 972-629-2160

OIL CONSERVATION DIVISION

Approved by: Kurt Simmons

Title: NMOCD, Santa Fe

Approval Date: 09/07/2021

RT C-103 EXPIRES 09/23/2021

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	[2]Pool Code	[3]Pool Name
30-015-46894	3713	AVALONG; BONE SPRING EAST

[4]Property Code	[5]Property Name	[6]Well Number
326053	LEATHERNECK 3029 FED COM	127H

[7]OGRID No.	[8]Operator Name	[9]Elevation
228937	MATADOR PRODUCTION COMPANY	3236'

[10]Surface Location

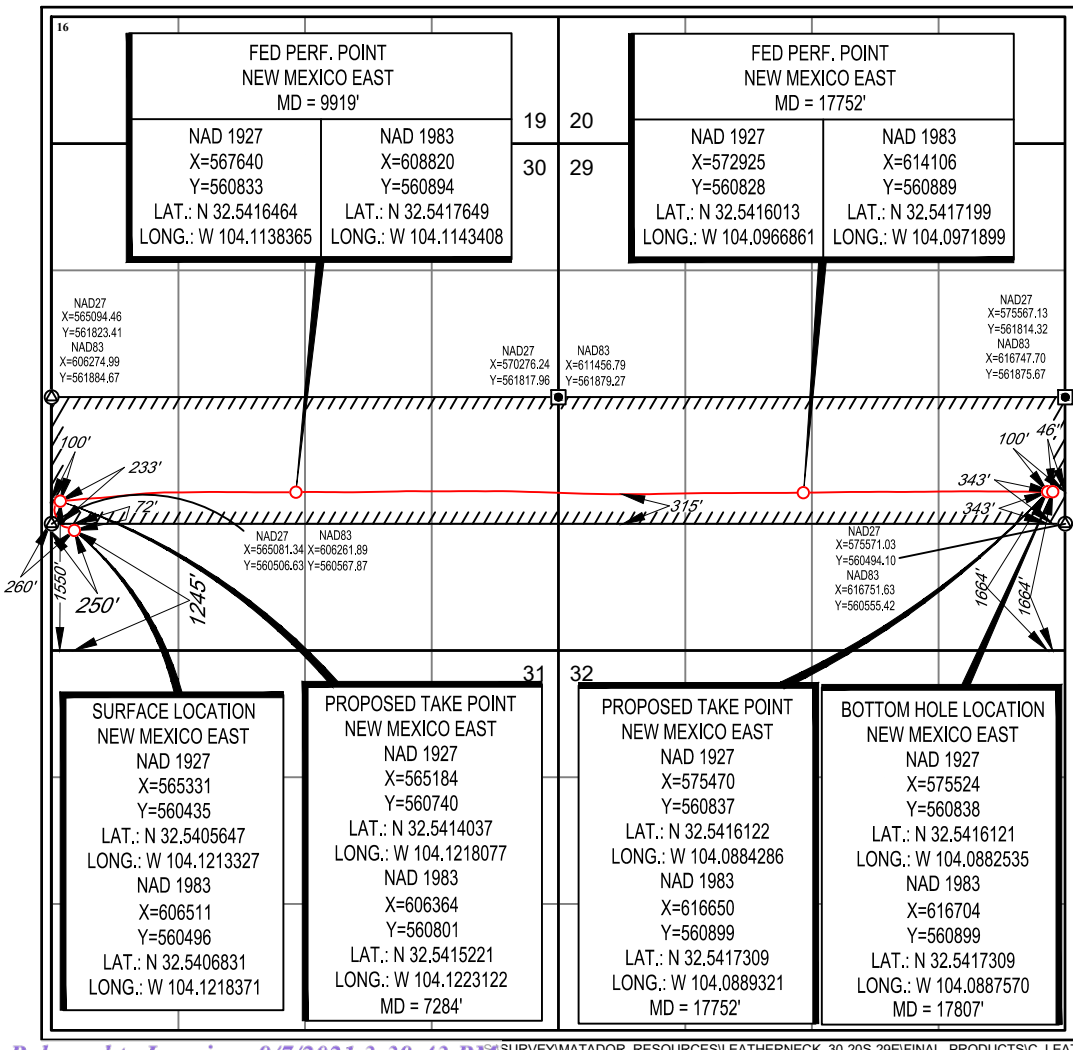
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	30	20-S	29-E	-	1245'	SOUTH	250'	WEST	EDDY

[11]Bottom 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
I	29	20-S	29-E	-	1664'	SOUTH	46'	EAST	EDDY

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]Order No.
317.32			

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.



[17]OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: Brett Jennings — Date: 07/04/21

Printed Name: Brett Jennings

E-mail Address: Brett.Jennings@matadorresources.com

[18]SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

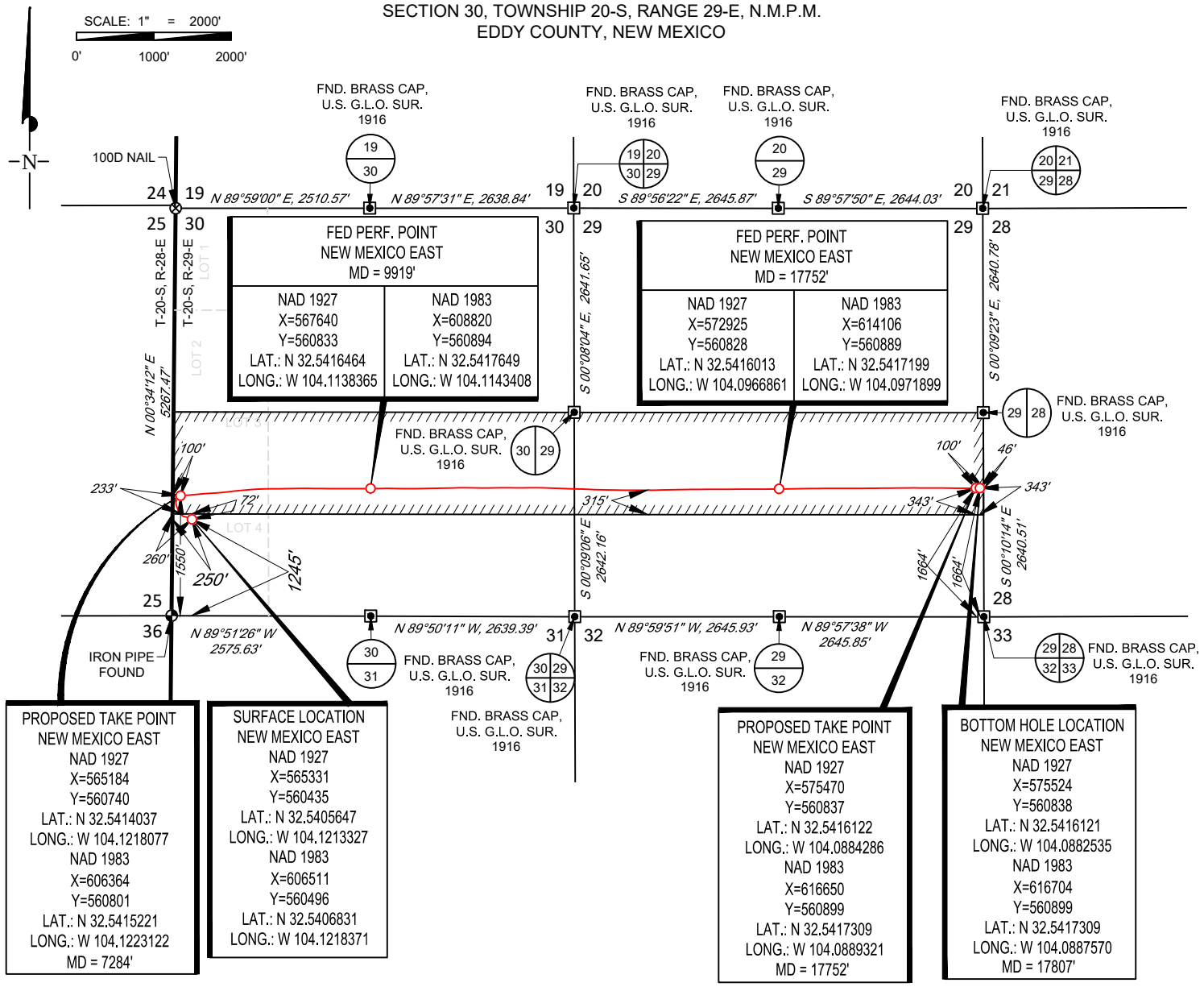
Date of Survey: 02/19/2021

Signature and Seal of Professional Surveyor

Certificate Number

SURVEY\MATADOR_RESOURCES\LEATHERNECK_30-20S-29E\FINAL_PRODUCTS\C_LEATHERNECK_3029_FED_COM_127H.DWG 6/14/2021 2:34:48 PM adisabella

SECTION 30, TOWNSHIP 20-S, RANGE 29-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO



LEASE NAME & WELL NO.: LEATHERNECK 3029 FED COM 127H

SECTION 30 TWP 20-S RGE 29-E SURVEY N.M.P.M.

COUNTY EDDY STATE NM ELEVATION 3236'

DESCRIPTION 1245' FSL & 250' FWL

INTERNAL PRE-COMPLETION PLAT

Matador PRODUCTION COMPANY

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

Angel M. Baeza, License No. 25116
May 17, 2021

LEATHERNECK 3029 FED COM 127H PRE-COMPLETION	REVISION:
DATE: 05/17/21	
FILE: C_LEATHERNECK_3029_FED_COM_127H	
DRAWN BY: GJU	
SHEET : 2 OF 2	

NOTES:
1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.
3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

S:\SURVEY\MATADOR_RESOURCES\LEATHERNECK_30-20S-29E\FINAL_PRODUCTS\C_LEATHERNECK_3029_FED_COM_127H.DWG 6/14/2021 2:34:49 PM adisabella

Matador Resources
Eddy County, New Mexico (NAD 27)
30-015-46894
Leatherneck 3029 Fed Com 127H
Wellbore 1

MS MWD (OH)
Certified Survey Report
21 May 2021

Received by OCD: 7/26/2021 12:17:51 PM

Matador Resources Company

Certified Survey Report

MS Directional

Field	Eddy County, New Mexico (NAD 27) - Matador Resources		
CRS	US-SPC27-EXACT / New Mexico East 3001		
Apply Scale Factor	NO	**Scale Factor**	0.9999090909
System Datum	Mean Sea Level	**Depth Datum->MSL**	3264.49 UsFt

Well	Leatherneck 3029 Fed Com 127H		
Local North	-328.88 UsFt	**Local East**	-1.87 UsFt
Map Northing	560435.00 US survey foot	**Map Easting**	565331.00 US survey foot
Latitude	32° 32' 26.04726" N	**Longitude**	104° 7' 16.78049" W
Depth Datum / Rig	WELL-Patterson 297 / Patterson 297	**Datum Elevation**	3264.50 UsFt
GL Elevation	3236.00 UsFt		
Grid Convergence	0.114		

Well bore	Leatherneck 3029 Fed Com 127H - Wellbore 1		
Magnetic Model	User defined	**Date**	20/04/2021
Total Field (nT)	47764.20	**Dip Angle (°)**	60.217
Declination (°)	7.033		
VS Origin	User Defined	**VS Azimuth**	90.07
VS Orgin NS	0.00 UsFt	**VS Origin EW**	0.00 UsFt

Survey Program	MS MWD (OH)		
Depth From (UsFt)	**Depth To (UsFt)**	**Survey**	**Survey Tool**
0.00	2621.00	MS MWD (OH)	MWD+HRGM

Survey Report

MD UsFt	Inc °	Azi °	TVD UsFt	NS UsFt	EW UsFt	VS UsFt	DLS (°/100 UsFt)	BR (°/100 UsFt)	TR (°/100 UsFt)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
184.00	0.31	266.29	184.00	-0.03	-0.50	-0.50	0.17	0.17	50.93
339.00	0.40	259.61	339.00	-0.16	-1.45	-1.45	0.06	0.06	-4.31
478.00	0.48	196.85	477.99	-0.80	-2.09	-2.09	0.33	0.06	-45.15
662.00	1.89	318.58	661.96	0.74	-4.32	-4.33	1.19	0.77	66.16
847.00	1.41	329.13	846.88	4.98	-7.51	-7.52	0.31	-0.26	5.70
1031.00	0.70	337.13	1030.85	7.96	-9.11	-9.12	0.39	-0.39	4.35
1119.00	0.40	318.14	1118.85	8.68	-9.52	-9.53	0.39	-0.34	-21.58
1238.00	0.70	18.26	1237.84	9.68	-9.57	-9.58	0.51	0.25	50.52
1329.00	1.49	345.21	1328.83	11.35	-9.70	-9.71	1.08	0.87	36.32
1512.00	4.62	318.40	1511.55	19.17	-15.20	-15.23	1.83	1.71	-14.65
1695.00	5.10	311.81	1693.89	30.10	-26.16	-26.19	0.40	0.26	-3.60
1790.00	4.62	312.60	1788.55	35.50	-32.12	-32.17	0.51	-0.51	0.83
1981.00	4.31	324.56	1978.98	46.56	-41.95	-42.00	0.51	-0.16	6.26
2172.00	5.32	329.48	2169.30	60.03	-50.60	-50.68	0.57	0.53	2.58
2363.00	6.90	335.19	2359.21	78.08	-59.92	-60.01	0.89	0.83	2.99
2554.00	8.00	343.98	2548.60	101.27	-68.40	-68.52	0.83	0.58	4.60
2621.00	8.00	343.98	2614.95	110.23	-70.97	-71.11	0.00	0.00	0.00 PTB

Released to Imaging: 9/7/2021 3:39:43 PM

Matador Resources
Eddy County, New Mexico (NAD 27)
30-015-46894
Leatherneck 3029 Fed Com 127H
Wellbore 2

MS MWD
Certified Survey Report
21 May 2021

Matador Resources Company

Certified Survey Report

MS Directional

Field	Eddy County, New Mexico (NAD 27) - Matador Resources		
CRS	US-SPC27-EXACT / New Mexico East 3001		
Apply Scale Factor	NO	**Scale Factor**	0.9999090909
System Datum	Mean Sea Level	**Depth Datum->MSL**	3264.49 UsFt

Well	Leatherneck 3029 Fed Com 127H		
Local North	-328.88 UsFt	**Local East**	-1.87 UsFt
Map Northing	560435.00 US survey foot	**Map Easting**	565331.00 US survey foot
Latitude	32° 32' 26.04726" N	**Longitude**	104° 7' 16.78049" W
Depth Datum / Rig	WELL-Patterson 297 / Patterson 297	**Datum Elevation**	3264.50 UsFt
GL Elevation	3236.00 UsFt		
Grid Convergence	0.114		

Well bore	Leatherneck 3029 Fed Com 127H - Wellbore 2		
Magnetic Model	User defined	**Date**	20/04/2021
Total Field (nT)	47764.20	**Dip Angle (°)**	60.217
Declination (°)	7.033		
VS Origin	User Defined	**VS Azimuth**	90.07
VS Orgin NS	0.00 UsFt	**VS Origin EW**	0.00 UsFt

Survey Program	MS MWD		
Depth From (UsFt)	**Depth To (UsFt)**	**Survey**	**Survey Tool**
0.00	2600.00	VES Gyro	VESSI_GYROFLEX
2737.00	17807.00	MS MWD	MWD+HRGM

Survey Report

MD UsFt	Inc °	Azi °	TVD UsFt	NS UsFt	EW UsFt	VS UsFt	DLS (°/100 UsFt)	BR (°/100 UsFt)	TR (°/100 UsFt)
2600.00	11.46	308.67	2590.72	53.92	-130.33	-130.40	0.00	0.00	0.00 Tie In
2737.00	12.09	322.54	2724.86	73.82	-149.69	-149.78	2.11	0.46	10.12
2832.00	12.09	330.80	2817.76	90.40	-160.59	-160.70	1.82	0.00	8.69
2927.00	12.31	334.40	2910.62	108.22	-169.82	-169.95	0.83	0.23	3.79
3023.00	13.41	335.54	3004.21	127.58	-178.85	-179.01	1.18	1.15	1.19
3118.00	14.29	336.25	3096.45	148.34	-188.14	-188.32	0.94	0.93	0.75
3214.00	11.21	337.48	3190.07	167.81	-196.48	-196.69	3.22	-3.21	1.28
3309.00	7.78	345.56	3283.76	182.57	-201.63	-201.85	3.86	-3.61	8.51
3404.00	6.42	351.45	3378.03	194.05	-204.02	-204.26	1.62	-1.43	6.20
3500.00	5.89	354.88	3473.47	204.26	-205.26	-205.51	0.67	-0.55	3.57
3596.00	5.49	354.26	3569.00	213.74	-206.16	-206.42	0.42	-0.42	-0.65
3691.00	5.32	13.51	3663.59	222.54	-205.58	-205.85	1.91	-0.18	20.26
3786.00	5.32	19.40	3758.18	230.98	-203.09	-203.37	0.57	0.00	6.20
3882.00	5.58	4.63	3853.75	239.83	-201.23	-201.53	1.48	0.27	-15.39
3977.00	5.58	354.44	3948.30	249.03	-201.31	-201.61	1.04	0.00	10.73
4073.00	5.58	349.43	4043.85	258.26	-202.62	-202.93	0.51	0.00	-5.22
4168.00	5.41	355.93	4138.41	267.27	-203.78	-204.11	0.68	-0.18	6.84
4264.00	5.32	353.82	4233.99	276.21	-204.58	-204.92	0.23	-0.09	-2.20
4359.00	5.32	348.11	4328.58	284.90	-205.96	-206.31	0.56	0.00	-6.01
4455.00	4.09	359.71	4424.26	292.68	-206.90	-207.26	1.61	-1.28	12.08
4550.00	1.98	20.98	4519.12	297.60	-206.33	-206.69	2.48	-2.22	22.39
4646.00	1.58	62.91	4615.08	299.75	-204.56	-204.92	1.38	-0.42	43.68
4741.00	2.20	93.14	4710.03	300.25	-201.57	-201.94	1.21	0.65	31.82
4837.00	1.49	85.23	4805.98	300.25	-198.49	-198.85	0.78	-0.74	-8.24
4932.00	1.32	86.55	4900.95	300.42	-196.16	-196.53	0.18	-0.18	1.39
5027.00	1.01	77.50	4995.93	300.67	-194.25	-194.62	0.38	-0.33	-9.53
5123.00	0.48	65.72	5091.92	301.01	-193.06	-193.43	0.57	-0.55	-12.27
5218.00	0.22	342.93	5186.92	301.35	-192.75	-193.12	0.53	-0.27	87.15
5314.00	0.70	282.90	5282.92	301.66	-193.38	-193.74	0.65	0.50	-62.53
5409.00	1.10	269.45	5377.91	301.78	-194.85	-195.22	0.47	0.42	-14.16
5505.00	0.40	219.88	5473.90	301.51	-195.99	-196.36	0.93	-0.73	-51.64
5600.00	0.40	204.59	5568.90	300.96	-196.34	-196.71	0.11	0.00	-16.09
5695.00	1.19	236.40	5663.89	300.11	-197.30	-197.67	0.92	0.83	33.48
5791.00	0.79	114.32	5759.88	299.29	-197.53	-197.89	1.82	-0.42	-127.17
5886.00	0.70	139.90	5854.87	298.57	-196.56	-196.92	0.36	-0.09	26.93
5982.00	0.70	192.54	5950.87	297.55	-196.31	-196.67	0.65	0.00	54.83
6077.00	0.62	2.00	6045.86	297.50	-196.41	-196.78	1.38	-0.08	178.38
6173.00	1.10	348.20	6141.85	298.92	-196.58	-196.95	0.54	0.50	14.37
6268.00	1.32	339.15	6236.83	300.83	-197.16	-197.53	0.31	0.23	-9.53
6364.00	1.41	320.34	6332.80	302.78	-198.31	-198.68	0.47	0.09	-19.59
6459.00	0.79	85.49	6427.80	303.73	-198.40	-198.77	2.08	-0.65	131.74
6555.00	1.58	109.14	6523.77	303.35	-196.49	-196.86	0.95	0.82	24.64
6650.00	1.49	127.86	6618.74	302.16	-194.28	-194.65	0.53	-0.09	19.71
6745.00	1.19	136.38	6713.72	300.69	-192.62	-192.99	0.38	-0.32	8.97
6841.00	0.88	139.81	6809.70	299.40	-191.46	-191.83	0.33	-0.32	3.57
6936.00	0.40	134.98	6904.69	298.61	-190.75	-191.12	0.51	-0.51	-5.08
7031.00	0.09	171.10	6999.69	298.30	-190.51	-190.87	0.35	-0.33	38.02
7118.00	4.00	75.74	7086.62	298.98	-187.56	-187.92	4.61	4.49	-109.61
7214.00	16.48	81.63	7180.91	301.80	-170.77	-171.14	13.03	13.00	6.14
7309.00	25.98	83.30	7269.36	306.20	-136.70	-137.07	10.02	10.00	1.76

Survey Report

MD UsFt	Inc °	Azi °	TVD UsFt	NS UsFt	EW UsFt	VS UsFt	DLS (°/100 UsFt)	BR (°/100 UsFt)	TR (°/100 UsFt)
7405.00	34.11	85.14	7352.39	310.94	-88.91	-89.29	8.52	8.47	1.92
7500.00	42.81	86.81	7426.71	315.00	-30.03	-30.41	9.22	9.16	1.76
7596.00	47.91	83.38	7494.15	320.93	37.98	37.59	5.89	5.31	-3.57
7691.00	52.48	84.70	7554.96	328.48	110.55	110.15	4.93	4.81	1.39
7786.00	62.59	87.25	7605.89	334.00	190.40	189.99	10.88	10.64	2.68
7882.00	73.80	86.29	7641.49	339.04	279.24	278.83	11.71	11.68	-1.00
7977.00	80.70	84.00	7662.45	346.90	371.50	371.08	7.63	7.26	-2.41
8072.00	83.38	83.91	7675.60	356.81	465.06	464.62	2.82	2.82	-0.09
8168.00	83.38	83.56	7686.67	367.21	559.85	559.40	0.36	0.00	-0.36
8263.00	85.98	84.62	7695.48	376.95	653.93	653.46	2.95	2.74	1.12
8358.00	86.42	85.32	7701.78	385.26	748.35	747.88	0.87	0.46	0.74
8454.00	86.29	87.34	7707.88	391.39	843.95	843.48	2.10	-0.14	2.10
8550.00	86.29	88.13	7714.09	395.18	939.68	939.19	0.82	0.00	0.82
8645.00	89.19	90.15	7717.84	396.60	1034.58	1034.09	3.72	3.05	2.13
8737.00	89.01	89.89	7719.28	396.57	1126.57	1126.08	0.34	-0.20	-0.28
8829.00	89.01	89.19	7720.87	397.31	1218.55	1218.06	0.76	0.00	-0.76
8922.00	89.32	88.31	7722.23	399.34	1311.52	1311.03	1.00	0.33	-0.95
9016.00	88.09	89.80	7724.35	400.89	1405.48	1404.98	2.06	-1.31	1.59
9110.00	87.38	90.68	7728.07	400.49	1499.40	1498.91	1.20	-0.76	0.94
9203.00	86.81	90.33	7732.78	399.68	1592.28	1591.79	0.72	-0.61	-0.38
9297.00	88.31	90.33	7736.78	399.14	1686.19	1685.70	1.60	1.60	0.00
9390.00	89.32	90.33	7738.71	398.60	1779.16	1778.68	1.09	1.09	0.00
9484.00	89.01	90.15	7740.08	398.21	1873.15	1872.66	0.38	-0.33	-0.19
9578.00	88.70	89.89	7741.95	398.17	1967.13	1966.65	0.43	-0.33	-0.28
9672.00	89.58	90.33	7743.36	397.99	2061.12	2060.63	1.05	0.94	0.47
9765.00	89.71	90.15	7743.94	397.60	2154.12	2153.63	0.24	0.14	-0.19
9859.00	89.32	89.80	7744.74	397.64	2248.12	2247.63	0.56	-0.41	-0.37
9952.00	89.10	89.10	7746.02	398.54	2341.10	2340.61	0.79	-0.24	-0.75
10047.00	88.88	88.83	7747.69	400.25	2436.07	2435.58	0.37	-0.23	-0.28
10141.00	89.58	90.42	7748.96	400.87	2530.06	2529.57	1.85	0.74	1.69
10235.00	89.98	90.94	7749.32	399.75	2624.05	2623.56	0.70	0.43	0.55
10328.00	89.98	90.59	7749.35	398.51	2717.04	2716.55	0.38	0.00	-0.38
10421.00	89.58	90.33	7749.71	397.76	2810.04	2809.55	0.51	-0.43	-0.28
10515.00	89.49	89.63	7750.47	397.80	2904.03	2903.55	0.75	-0.10	-0.74
10608.00	89.01	89.10	7751.69	398.83	2997.02	2996.53	0.77	-0.52	-0.57
10702.00	88.70	88.83	7753.57	400.52	3090.98	3090.49	0.44	-0.33	-0.29
10794.00	88.62	89.01	7755.72	402.26	3182.94	3182.45	0.21	-0.09	0.20
10886.00	88.40	88.75	7758.11	404.06	3274.89	3274.40	0.37	-0.24	-0.28
10978.00	88.31	88.04	7760.75	406.63	3366.82	3366.32	0.78	-0.10	-0.77
11070.00	87.38	89.01	7764.21	409.00	3458.72	3458.22	1.46	-1.01	1.05
11163.00	88.48	90.94	7767.57	409.04	3551.66	3551.15	2.39	1.18	2.08
11254.00	89.58	90.86	7769.11	407.61	3642.63	3642.13	1.21	1.21	-0.09
11347.00	89.71	90.24	7769.69	406.72	3735.62	3735.12	0.68	0.14	-0.67
11438.00	89.89	89.63	7770.00	406.82	3826.62	3826.12	0.70	0.20	-0.67
11529.00	90.59	88.92	7769.62	407.97	3917.61	3917.11	1.10	0.77	-0.78
11621.00	89.89	89.45	7769.24	409.28	4009.60	4009.10	0.95	-0.76	0.58
11712.00	88.31	90.59	7770.67	409.25	4100.59	4100.08	2.14	-1.74	1.25
11803.00	88.31	90.33	7773.35	408.52	4191.54	4191.04	0.29	0.00	-0.29
11894.00	88.31	89.98	7776.03	408.27	4282.50	4282.00	0.38	0.00	-0.38
11986.00	88.70	89.36	7778.43	408.80	4374.47	4373.97	0.80	0.42	-0.67
12077.00	89.19	90.42	7780.11	408.98	4465.45	4464.95	1.28	0.54	1.16
12171.00	88.79	91.73	7781.77	407.21	4559.42	4558.92	1.46	-0.43	1.39
12264.00	88.62	91.65	7783.87	404.47	4652.36	4651.86	0.20	-0.18	-0.09
12358.00	88.40	91.91	7786.31	401.55	4746.28	4745.78	0.36	-0.23	0.28
12452.00	88.48	92.00	7788.87	398.35	4840.19	4839.70	0.13	0.09	0.10
12545.00	88.48	91.82	7791.34	395.25	4933.10	4932.62	0.19	0.00	-0.19
12639.00	88.70	92.00	7793.65	392.12	5027.02	5026.54	0.30	0.23	0.19
12733.00	88.79	92.09	7795.71	388.76	5120.94	5120.46	0.14	0.10	0.10
12826.00	89.19	92.53	7797.35	385.01	5213.85	5213.38	0.64	0.43	0.47
12920.00	89.10	90.86	7798.75	382.23	5307.80	5307.32	1.78	-0.10	-1.78
13014.00	89.19	90.86	7800.16	380.82	5401.77	5401.31	0.10	0.10	0.00
13108.00	89.80	90.59	7800.98	379.63	5495.76	5495.30	0.71	0.65	-0.29
13201.00	90.20	91.03	7800.98	378.32	5588.75	5588.29	0.64	0.43	0.47
13295.00	89.41	89.89	7801.30	377.56	5682.75	5682.28	1.48	-0.84	-1.21
13316.00	88.79	89.98	7801.63	377.59	5703.74	5703.28	2.98	-2.95	0.43
13411.00	88.79	90.24	7803.64	377.41	5798.72	5798.26	0.27	0.00	0.27
13507.00	89.80	89.98	7804.82	377.22	5894.71	5894.25	1.09	1.05	-0.27
13602.00	90.11	88.75	7804.90	378.27	5989.71	5989.24	1.34	0.33	-1.29
13697.00	90.68	88.39	7804.24	380.65	6084.67	6084.20	0.71	0.60	-0.38
13792.00	91.21	88.83	7802.67	382.95	6179.63	6179.16	0.73	0.56	0.46
13888.00	88.48	88.83	7802.93	384.91	6275.60	6275.13	2.84	-2.84	0.00
13983.00	88.40	89.19	7805.52	386.55	6370.55	6370.08	0.39	-0.08	0.38
14079.00	88.48	89.45	7808.13	387.69	6466.51	6466.03	0.28	0.08	0.27
14175.00	88.62	89.54	7810.56	388.54	6562.48	6562.00	0.17	0.15	0.09
14270.00	89.10	89.54	7812.45	389.30	6657.45	6656.97	0.51	0.51	0.00
14366.00	89.49	89.80	7813.63	389.85	6753.45	6752.96	0.49	0.41	0.27
14462.00	89.80	90.15	7814.23	389.89	6849.44	6848.96	0.49	0.32	0.36
14557.00	88.40	89.63	7815.72	390.07	6944.43	6943.95	1.57	-1.47	-0.55

Survey Report

MD UsFt	Inc °	Azi °	TVD UsFt	NS UsFt	EW UsFt	VS UsFt	DLS (°/100 UsFt)	BR (°/100 UsFt)	TR (°/100 UsFt)
14652.00	88.62	89.71	7818.19	390.62	7039.40	7038.91	0.25	0.23	0.08
14748.00	89.01	89.80	7820.18	391.03	7135.37	7134.89	0.42	0.41	0.09
14844.00	89.58	90.33	7821.36	390.92	7231.37	7230.88	0.81	0.59	0.55
14939.00	89.58	89.71	7822.05	390.89	7326.36	7325.88	0.65	0.00	-0.65
15035.00	88.62	89.45	7823.56	391.59	7422.35	7421.86	1.04	-1.00	-0.27
15130.00	88.79	89.54	7825.71	392.43	7517.32	7516.83	0.20	0.18	0.09
15226.00	89.19	89.36	7827.40	393.35	7613.30	7612.81	0.46	0.42	-0.19
15321.00	89.49	89.01	7828.50	394.70	7708.28	7707.80	0.49	0.32	-0.37
15417.00	89.19	89.01	7829.60	396.36	7804.26	7803.77	0.31	-0.31	0.00
15512.00	88.88	89.36	7831.20	397.71	7899.24	7898.75	0.49	-0.33	0.37
15607.00	88.79	89.10	7833.13	398.99	7994.21	7993.72	0.29	-0.09	-0.27
15703.00	88.79	89.45	7835.16	400.20	8090.18	8089.69	0.36	0.00	0.36
15798.00	88.79	89.89	7837.17	400.75	8185.16	8184.66	0.46	0.00	0.46
15893.00	88.70	89.63	7839.25	401.15	8280.13	8279.64	0.29	-0.09	-0.27
15989.00	88.00	89.63	7842.01	401.77	8376.09	8375.60	0.73	-0.73	0.00
16084.00	88.62	90.15	7844.81	401.95	8471.05	8470.55	0.85	0.65	0.55
16179.00	89.58	90.33	7846.31	401.55	8566.04	8565.54	1.03	1.01	0.19
16275.00	89.32	89.63	7847.23	401.59	8662.03	8661.53	0.78	-0.27	-0.73
16370.00	89.71	89.54	7848.03	402.27	8757.03	8756.53	0.42	0.41	-0.09
16466.00	89.71	89.45	7848.52	403.12	8853.02	8852.52	0.09	0.00	-0.09
16561.00	89.58	89.45	7849.11	404.03	8948.01	8947.51	0.14	-0.14	0.00
16656.00	89.80	89.36	7849.62	405.02	9043.01	9042.51	0.25	0.23	-0.09
16752.00	90.68	89.54	7849.22	405.94	9139.00	9138.50	0.94	0.92	0.19
16848.00	91.03	89.36	7847.78	406.86	9234.99	9234.48	0.41	0.36	-0.19
16943.00	91.38	90.33	7845.79	407.12	9329.96	9329.46	1.09	0.37	1.02
17039.00	90.11	90.15	7844.54	406.72	9425.95	9425.45	1.34	-1.32	-0.19
17134.00	89.98	90.24	7844.46	406.39	9520.95	9520.45	0.17	-0.14	0.09
17230.00	90.42	90.24	7844.13	405.99	9616.95	9616.45	0.46	0.46	0.00
17325.00	89.32	90.42	7844.34	405.44	9711.95	9711.44	1.17	-1.16	0.19
17421.00	87.52	90.59	7846.99	404.60	9807.90	9807.40	1.88	-1.88	0.18
17516.00	85.10	90.68	7853.10	403.55	9902.69	9902.19	2.55	-2.55	0.09
17612.00	85.58	90.15	7860.90	402.86	9998.37	9997.87	0.74	0.50	-0.55
17707.00	86.29	89.89	7867.64	402.82	10093.13	10092.63	0.80	0.75	-0.27
17731.00	86.81	89.89	7869.08	402.87	10117.09	10116.59	2.17	2.17	0.00
17807.00	86.81	89.89	7873.31	403.01	10192.97	10192.47	0.00	0.00	0.00 PTB

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-82391
Survey Type:	MWD
Operating Company:	Matador Resources
Well Name and Number:	Leatherneck 3029 Fed Com 127H
Location:	Eddy, New Mexico
API Number:	30-015-46894
Tie In Depth:	0.00
Surveyed Depths:	184.00' - 2554.00'
Projected TD Survey:	2621.00'
Dates Performed:	04/17/2021 - 05/03/2021

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:	Jason Fulton
MWD Operations Manager:	Charles Davis
Signature:	
Date:	05/21/2021
Email:	charles.davis@msdir.com

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-82391
Survey Type:	MWD
Operating Company:	Matador Resources
Well Name and Number:	Leatherneck 3029 Fed Com 127H
Location:	Eddy, New Mexico
API Number:	30-015-46894
Tie In Depth:	2600.00
Surveyed Depths:	2737.00' - 17731.00'
Projected TD Survey:	17807.00'
Dates Performed:	04/17/2021 - 05/12/2021

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:	Jason Fulton
MWD Operations Manager:	Charles Davis
Signature:	
Date:	05/21/2021
Email:	charles.davis@msdir.com

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 37988

ACKNOWLEDGMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 37988
	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.

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

CONDITIONS

Action 37988

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	228937
	Action Number: 37988
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	RT C-104 expires 09/23/2021; submit all drilling, casing, and completion sundries/reports.	9/7/2021