NMOCD-REC'D: 9/09/2020

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 - 015-45984	BURTON FLAT UPPER WOLFCAMP EAST OIL	98315

[7] Property Code	[8] Property Name	[9] Well Number
326053	LEATHERNECK 3029 FEDERAL COM	206H

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
2	30	20S	29E		1540	N	206	W	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
H	29	20S	29E		2261	N	47	E	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	F				

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] O/G/W
151618	ENTERPRISE FIELD SERVICES, LLC 8111 WESTCHESTER DRIVE, DALLAS, TX 75225	O
214984	PLAINS MARKETING, L.P. 17304 PRESTON RD. STE 140, DALLAS, TX 75252	G

IV. Well Completion Data

[21] Spud Date	[22] Ready Date	[23] TD	[24] PBTD	[25] Perforations	[26] DHC, MC
11/27/19	08/11/20	9417'/19420'	19314'	9435' - 19288'	---

[27] Hole Size	[28] Casing & Tubing Size	[29] Depth Set	[30] Sacks Cement
SURF: 26"	20" 94# J55	397'	1217 C 1.33
INT1: 17 1/2"	13 3/8" 54.5# J55	1187'	1359 C 1.33
INT2: 12 1/4"	9 5/8" 40# J55	3096' 1274' Stage tool	1393 C 1.33 548 C 1.73
PROD: 8 3/4"	5 1/2" 20# P110	19404'	3726 TXI 1.36

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: Ava Monroe

Printed name: Ava Monroe

Title: Sr. Regulatory Analyst

E-mail Address: amonroe@matadorresources.com

Date: 09/09/20

Phone: 972-371-5218

OIL CONSERVATION DIVISION

Approved by: DENIED

Title:

Approval Date:

RT EXPIRES: 11/11/2020. ORIGINAL RT WAS RECEIVED LATE. PLEASE SUBMIT APPROVED 3160-5, C-104 NW, RE-SUBMIT THE ATTACHED C-102 & SURVEY WHEN COMPLETE.

As Drilled

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

NMOCD-REC'D: 9/09/2020

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
30-015-45984	73480	BURTON FLAT; BONE SPRING, EAST

[4]Property Code	[5]Property Name	[6]Well Number
326053	LEATHERNECK 3029 FED COM	206H

[7]OGRID No.	[8]Operator Name	[9]Elevation
228937	MATADOR PRODUCTION COMPANY	3241'

[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
2	30	20-S	29-E	–	1540'	NORTH	206'	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
H	29	20-S	29-E	–	2261'	NORTH	47'	EAST	EDDY

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]Order No.
316.84			

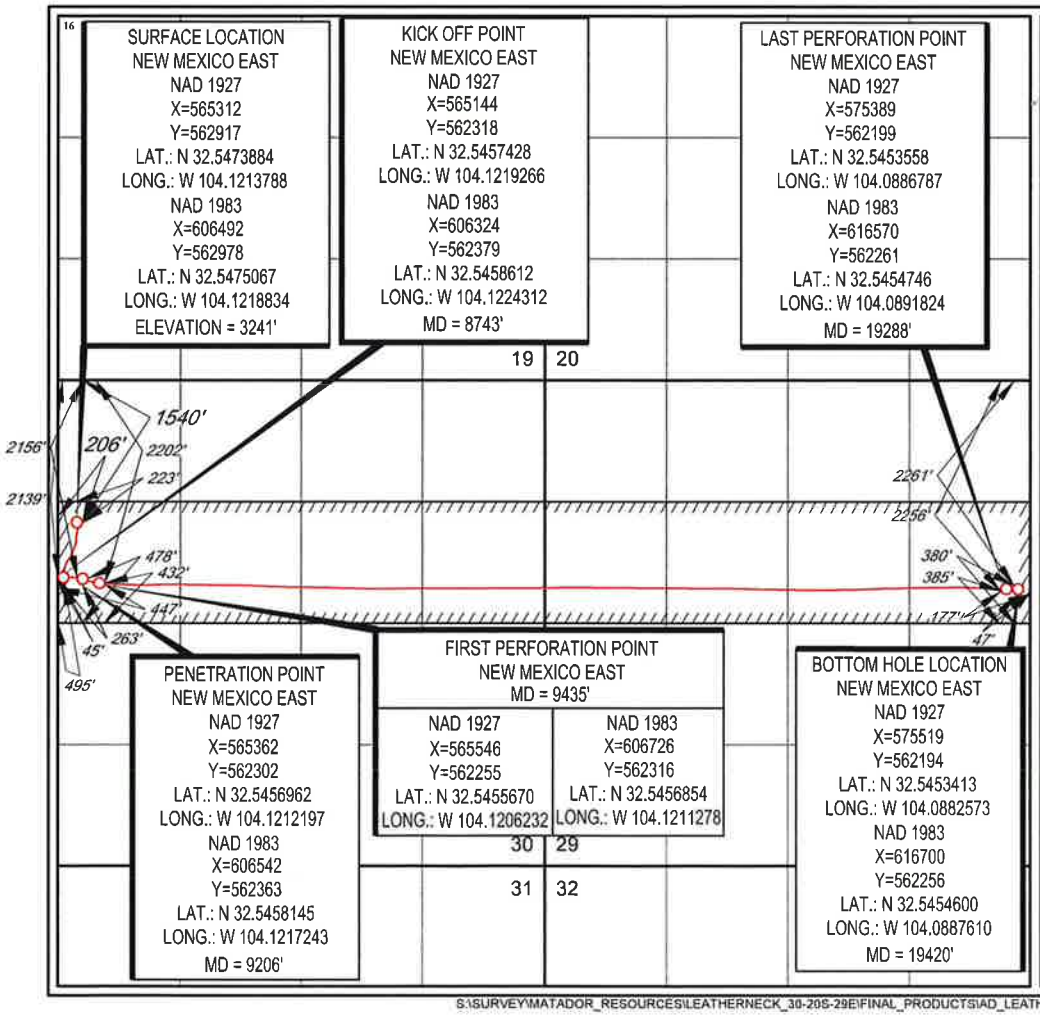
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

[16]

SURFACE LOCATION
NEW MEXICO EAST
NAD 1927
X=565312
Y=562917
LAT.: N 32.5473884
LONG.: W 104.1213788
NAD 1983
X=606492
Y=562978
LAT.: N 32.5475067
LONG.: W 104.1218834
ELEVATION = 3241'

KICK OFF POINT
NEW MEXICO EAST
NAD 1927
X=565144
Y=562318
LAT.: N 32.5457428
LONG.: W 104.1219266
NAD 1983
X=606324
Y=562379
LAT.: N 32.5458612
LONG.: W 104.1224312
MD = 8743'

LAST PERFORATION POINT
NEW MEXICO EAST
NAD 1927
X=575389
Y=562199
LAT.: N 32.5453558
LONG.: W 104.0886787
NAD 1983
X=616570
Y=562261
LAT.: N 32.5454746
LONG.: W 104.0891824
MD = 19288'



PENETRATION POINT
NEW MEXICO EAST
NAD 1927
X=565362
Y=562302
LAT.: N 32.5456962
LONG.: W 104.1212197
NAD 1983
X=606542
Y=562363
LAT.: N 32.5458145
LONG.: W 104.1217243
MD = 9206'

FIRST PERFORATION POINT
NEW MEXICO EAST
MD = 9435'

NAD 1927	NAD 1983
X=565546	X=606726
Y=562255	Y=562316
LAT.: N 32.5455670	LAT.: N 32.5456854
LONG.: W 104.1206232	LONG.: W 104.1211278

BOTTOM HOLE LOCATION
NEW MEXICO EAST
NAD 1927
X=575519
Y=562194
LAT.: N 32.5453413
LONG.: W 104.0882573
NAD 1983
X=616700
Y=562256
LAT.: N 32.5454600
LONG.: W 104.0887610
MD = 19420'

[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 — Date: 8/24/20

Cassie Hahn
Printed Name

chahn@matadorresources.com
E-mail Address

[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.

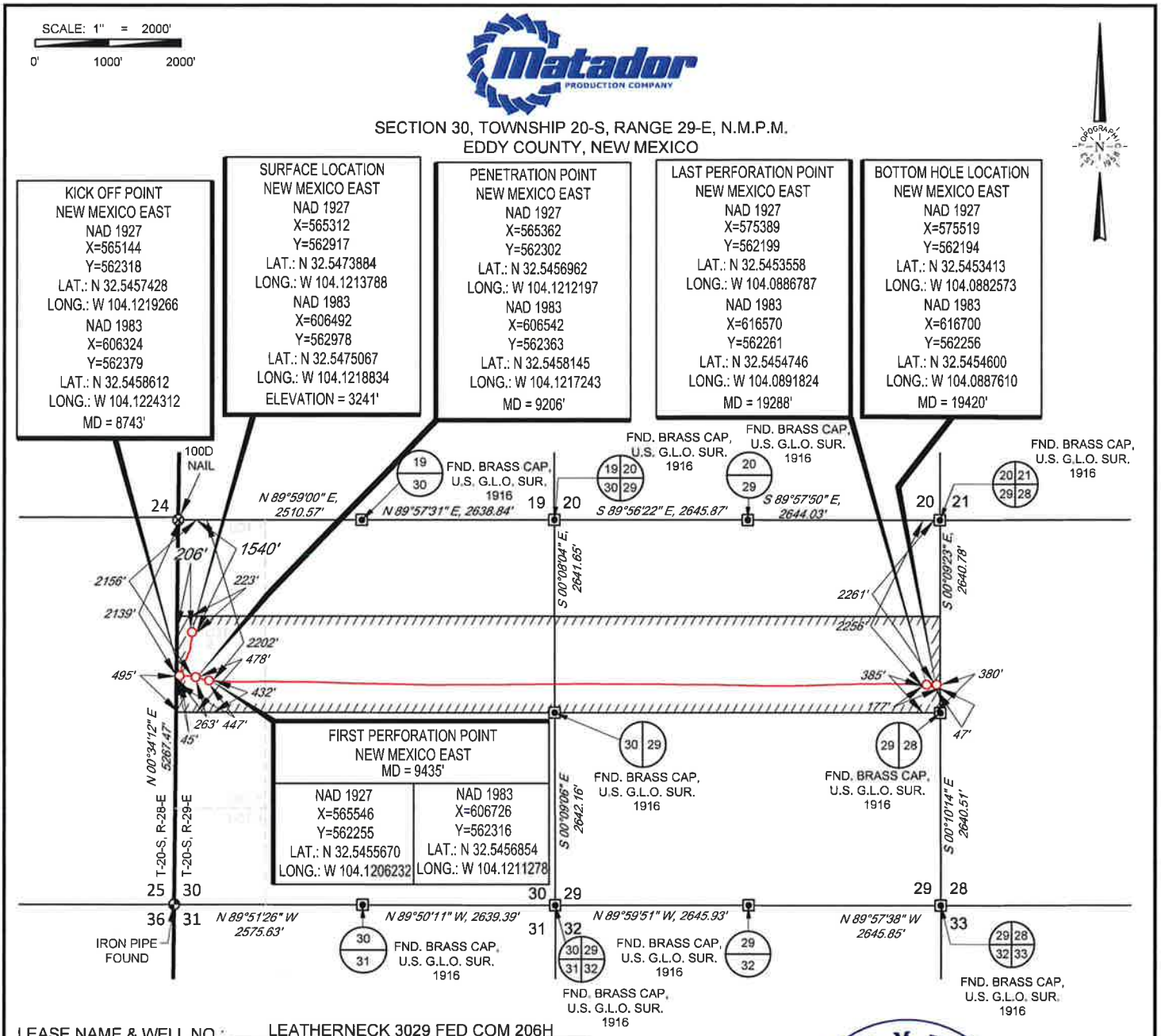
04/30/2019
Date of Survey
Signature and Seal of Professional Surveyor

ANGEL M. BAEZA
NEW MEXICO
25116
PROFESSIONAL SURVEYOR

Certificate Number

S:\SURVEY\MATADOR_RESOURCES\LEATHERNECK_30-20S-29E\FINAL_PRODUCTS\AD_LEATHERNECK_3029_FED_COM_206H.DWG 8/24/2020 10:44:27 AM adisabella

As drilled



LEASE NAME & WELL NO.: LEATHERNECK 3029 FED COM 206H

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

COUNTY EDDY STATE NM ELEVATION 3241'

DESCRIPTION 1540' FNL & 206' FWL

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 NEW MEXICO 25116 PROFESSIONAL SURVEYOR

Angel M. Baeza, P.S. No. 25116

AUGUST 20, 2020

LEATHERNECK 3029 FED COM 206H	
DATE: 08/20/2020	
AD_LEATHERNECK_3029_FED_COM_206H	
DRAWN BY: H.B.	
SHEET : 1 OF 1	

REVISION:

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\AD_LEATHERNECK_3029_FED_COM_206H.DWG 8/24/2020 10:44:28 AM adissabella

VES SURVEY INTERNATIONAL

I Andrew Meadville certify that I am employed by VES Survey International. That I did on the day(s) of 11/28/19 through 11/28/19 conduct or supervise the taking of a Rate Gyro survey from a depth of 0.00 feet to a depth of 377.00 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 Leatherneck 3029 Fed Com Well # 206H API # 30-015-45984 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.

Andrew Meadville
Service Technician
VES Survey International

Company: MATADOR PRODUCTION
Lease/Well: LEATHERNECK 3029 FEDERAL COM/206H
API: 30-015-45984
Rig Name: PATTERSON 809
State/County: NEW MEXICO/EDDY
Latitude: 32.55, Longitude: -104.12
GRID North is 0.11 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: 12/2/2019 / 16:15

VES Survey International
Midland, TX
432-563-5444
Surveyor: Andrew Meadville
Leatherneck 3029 Federal Com 206H / API: 30-015-45984

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	****
64.00	0.32	3.12	64.00	0.18	0.01	0.18	0.18	3.12	0.50
158.00	0.94	12.54	157.99	1.19	0.19	1.19	1.21	9.12	0.67
252.00	1.05	17.57	251.98	2.76	0.62	2.76	2.83	12.61	0.15
346.00	1.58	23.56	345.95	4.77	1.40	4.77	4.97	16.31	0.58
377.00	1.76	29.32	376.94	5.58	1.80	5.58	5.86	17.88	0.79

HORIZONTAL DISPLACEMENT IS
5.86 FEET AT 17.88 DEGREES

PRODIRECTIONAL

Matador RESOURCES COMPANY

Leatherneck 3029 Fed Com No. 206H

Eddy County, NM 30-015-45984

January 21, 2020

Job No. LNM5551219

ORIGINAL

Certified Report

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

PRODIRECTIONAL

Survey Certification Letter

January 21, 2020

Matador RESOURCES COMPANY

Operator Name:	Matador Resources
Well Name:	Leatherneck 3029 Fed Com No. 206H
County/Parish:	Eddy County,
State:	NM
Rig Name:	Patterson 809
Job Number:	LNM5551219

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:

Surveyor	Surveyed Depths	Projection to Bit	Dates Performed	Type of Survey
ProDirectional	408' MD – 19,340' MD	19,420' MD	11/29/19 – 12/30/19	MWD

Sincerely,

Mike Coats

Mike Coats
Regulatory Specialist
Professional Directional

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

prodirectional.com

Matador Resources

Eddy County, NM
Leatherneck 3029 Fed Com
No. 206H
OH

Survey: ProDirectional

Survey Report

21 January, 2020

PRODIRECTIONAL

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well No. 206H
Project:	Eddy County, NM (NAD83)	**TVD Reference:**	Well @ 3269.50usft
Site:	Leatherneck 3029 Fed Com	**MD Reference:**	Well @ 3269.50usft
Well:	No. 206H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	MWD	**Database:**	WellPlanner1

Project Eddy County, NM (NAD83)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Leatherneck 3029 Fed Com

Site Position:		**Northing:**	562,948.00 usft	**Latitude:**	32.5474233
From:	Map	**Easting:**	606,522.00 usft	**Longitude:**	-104.1217863
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.11 °

Well No. 206H, LNM5551219

Well Position	**+N/-S**	0.00 usft	**Northing:**	562,978.00 usft	**Latitude:**	32.5475059
	+E/-W	0.00 usft	**Easting:**	606,492.00 usft	**Longitude:**	-104.1218835
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,241.00 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	12/1/2019	7.13	60.28	47,923.40

Design MWD

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	90.05

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well No. 206H
Project:	Eddy County, NM (NAD83)	**TVD Reference:**	Well @ 3269.50usft
Site:	Leatherneck 3029 Fed Com	**MD Reference:**	Well @ 3269.50usft
Well:	No. 206H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	MWD	**Database:**	WellPlanner1

Survey Program **Date** 1/21/2020

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
64.00	377.00	Survey #1 (OH)	GYRO-NS-CT	OWSG XYZ Accel with XY Static and Continuous Gyro
408.00	19,420.00	Survey #2 (OH)	MWD+HDGM	OWSG MWD + HRGM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	562,978.00	606,492.00
64.00	0.32	3.12	64.00	0.01	0.18	0.01	0.18	3.12	562,978.18	606,492.01
158.00	0.94	12.54	157.99	0.19	1.19	0.19	1.21	9.11	562,979.19	606,492.19
252.00	1.05	17.57	251.98	0.62	2.77	0.62	2.84	12.61	562,980.77	606,492.62
346.00	1.58	23.56	345.95	1.39	4.78	1.40	4.98	16.30	562,982.78	606,493.40
377.00	1.76	29.32	376.94	1.80	5.58	1.80	5.87	17.88	562,983.58	606,493.80
408.00	2.20	30.50	407.92	2.33	6.51	2.34	6.92	19.74	562,984.51	606,494.34
Pro MWD First Survey: 408' MD										
501.00	1.40	38.60	500.88	3.94	8.94	3.95	9.77	23.85	562,986.94	606,495.95
593.00	0.20	297.50	592.87	4.50	9.89	4.51	10.87	24.51	562,987.89	606,496.51
686.00	0.80	218.40	685.86	3.95	9.46	3.96	10.25	22.74	562,987.46	606,495.96
779.00	1.80	174.10	778.84	3.70	7.49	3.71	8.36	26.33	562,985.49	606,495.71
874.00	2.60	146.60	873.77	5.04	4.21	5.05	6.57	50.17	562,982.21	606,497.05
970.00	4.20	120.60	969.61	9.27	0.60	9.27	9.29	86.28	562,978.60	606,501.27
1,066.00	4.50	135.90	1,065.33	14.92	-3.89	14.92	15.42	104.62	562,974.11	606,506.92
1,117.00	4.40	158.30	1,116.18	17.04	-7.15	17.04	18.47	112.76	562,970.85	606,509.04
1,251.00	5.80	194.60	1,249.68	17.25	-18.48	17.23	25.26	137.00	562,959.52	606,509.23
1,347.00	7.50	193.20	1,345.03	14.60	-29.27	14.58	32.70	153.53	562,948.73	606,506.58
1,442.00	6.90	196.10	1,439.28	11.61	-40.79	11.58	42.40	164.15	562,937.21	606,503.58
1,538.00	6.70	198.60	1,534.61	8.24	-51.64	8.19	52.29	170.98	562,926.36	606,500.19
1,633.00	6.90	194.00	1,628.94	5.10	-62.43	5.04	62.63	175.38	562,915.57	606,497.04

Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 206H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 3269.50usft
Site:	Leatherneck 3029 Fed Com	MD Reference:	Well @ 3269.50usft
Well:	No. 206H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD	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)
1,729.00	7.50	195.30	1,724.18	2.06	-74.07	2.00	74.09	178.46	562,903.93	606,494.00
1,824.00	8.30	191.70	1,818.28	-0.95	-86.76	-1.03	86.77	180.68	562,891.24	606,490.97
1,920.00	6.60	192.90	1,913.47	-3.58	-98.93	-3.67	98.99	182.12	562,879.07	606,488.33
2,015.00	6.60	191.20	2,007.84	-5.85	-109.60	-5.95	109.76	183.11	562,868.40	606,486.05
2,111.00	6.80	191.50	2,103.18	-8.05	-120.58	-8.15	120.86	183.87	562,857.42	606,483.85
2,206.00	8.00	191.40	2,197.39	-10.46	-132.58	-10.58	133.00	184.56	562,845.42	606,481.42
2,302.00	7.70	188.20	2,292.49	-12.69	-145.49	-12.82	146.05	185.03	562,832.51	606,479.18
2,397.00	8.00	189.80	2,386.60	-14.71	-158.30	-14.85	159.00	185.36	562,819.70	606,477.15
2,493.00	7.60	183.10	2,481.71	-16.18	-171.23	-16.33	172.00	185.45	562,806.77	606,475.67
2,588.00	6.50	179.10	2,575.99	-16.43	-182.88	-16.59	183.63	185.18	562,795.12	606,475.41
2,684.00	7.80	173.90	2,671.25	-15.64	-194.79	-15.81	195.43	184.64	562,783.21	606,476.19
2,779.00	7.00	180.40	2,765.46	-14.98	-206.99	-15.16	207.54	184.19	562,771.01	606,476.84
2,875.00	7.90	188.60	2,860.65	-16.00	-219.36	-16.19	219.96	184.22	562,758.64	606,475.81
2,971.00	8.00	197.50	2,955.73	-18.98	-232.26	-19.19	233.05	184.72	562,745.74	606,472.81
3,042.00	8.00	207.00	3,026.04	-22.70	-241.37	-22.91	242.45	185.42	562,736.63	606,469.09
3,160.00	9.50	205.90	3,142.66	-30.67	-257.45	-30.90	259.29	186.84	562,720.55	606,461.10
3,256.00	7.90	203.60	3,237.56	-36.76	-270.62	-37.00	273.14	187.79	562,707.38	606,455.00
3,352.00	7.60	202.50	3,332.68	-41.82	-282.53	-42.07	285.65	188.47	562,695.47	606,449.93
3,447.00	6.70	200.30	3,426.94	-46.14	-293.53	-46.40	297.18	188.98	562,684.47	606,445.60
3,543.00	6.20	203.50	3,522.33	-50.14	-303.54	-50.41	307.70	189.43	562,674.46	606,441.59
3,639.00	5.80	200.00	3,617.81	-53.86	-312.85	-54.13	317.50	189.82	562,665.15	606,437.87
3,734.00	5.40	199.20	3,712.35	-56.96	-321.58	-57.24	326.64	190.09	562,656.42	606,434.76
3,829.00	5.20	200.30	3,806.95	-59.92	-329.84	-60.21	335.29	190.34	562,648.16	606,431.79
3,925.00	4.70	198.60	3,902.59	-62.68	-337.65	-62.97	343.47	190.56	562,640.35	606,429.03
4,020.00	4.80	199.60	3,997.26	-65.25	-345.08	-65.55	351.25	190.75	562,632.92	606,426.45
4,116.00	4.60	203.10	4,092.94	-68.10	-352.41	-68.40	358.99	190.98	562,625.59	606,423.60
4,212.00	4.60	205.00	4,188.63	-71.23	-359.44	-71.54	366.49	191.26	562,618.56	606,420.46

Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 206H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 3269.50usft
Site:	Leatherneck 3029 Fed Com	MD Reference:	Well @ 3269.50usft
Well:	No. 206H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD	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)
4,307.00	4.60	206.30	4,283.33	-74.52	-366.31	-74.84	373.87	191.55	562,611.69	606,417.16
4,403.00	4.60	207.50	4,379.02	-78.00	-373.17	-78.32	381.30	191.85	562,604.83	606,413.68
4,499.00	4.30	211.10	4,474.73	-81.63	-379.67	-81.96	388.41	192.18	562,598.33	606,410.04
4,594.00	4.30	212.90	4,569.46	-85.40	-385.71	-85.73	395.12	192.53	562,592.29	606,406.27
4,690.00	4.30	214.80	4,665.19	-89.40	-391.68	-89.74	401.83	192.90	562,586.32	606,402.26
4,786.00	4.00	216.80	4,760.94	-93.45	-397.32	-93.80	408.24	193.28	562,580.68	606,398.20
4,881.00	4.10	217.70	4,855.70	-97.51	-402.66	-97.86	414.38	193.66	562,575.34	606,394.14
4,977.00	5.50	210.40	4,951.36	-101.93	-409.34	-102.29	421.93	194.03	562,568.66	606,389.71
5,072.00	5.80	210.50	5,045.90	-106.67	-417.41	-107.03	430.91	194.38	562,560.59	606,384.97
5,168.00	5.60	211.30	5,141.43	-111.55	-425.59	-111.93	440.06	194.73	562,552.41	606,380.07
5,264.00	5.10	214.20	5,237.01	-116.38	-433.12	-116.76	448.58	195.09	562,544.88	606,375.24
5,359.00	5.00	216.40	5,331.64	-121.20	-439.95	-121.59	456.44	195.45	562,538.05	606,370.41
5,455.00	4.10	215.50	5,427.33	-125.67	-446.11	-126.06	463.58	195.78	562,531.89	606,365.94
5,550.00	4.90	199.70	5,522.04	-129.01	-452.69	-129.40	470.82	195.95	562,525.31	606,362.60
5,646.00	5.10	195.10	5,617.68	-131.49	-460.67	-131.90	479.18	195.98	562,517.33	606,360.10
5,741.00	4.30	195.60	5,712.36	-133.55	-468.18	-133.95	486.96	195.97	562,509.82	606,358.05
5,837.00	3.50	198.30	5,808.14	-135.43	-474.43	-135.84	493.49	195.98	562,503.57	606,356.16
5,932.00	5.10	190.30	5,902.87	-137.09	-481.34	-137.51	500.59	195.94	562,496.66	606,354.49
6,028.00	5.00	188.30	5,998.49	-138.45	-489.67	-138.88	508.99	195.83	562,488.33	606,353.12
6,123.00	4.20	192.50	6,093.19	-139.79	-497.17	-140.23	516.56	195.75	562,480.83	606,351.77
6,218.00	4.00	199.80	6,187.95	-141.66	-503.68	-142.10	523.34	195.76	562,474.32	606,349.90
6,314.00	5.50	194.00	6,283.61	-143.90	-511.29	-144.35	531.28	195.77	562,466.71	606,347.65
6,410.00	5.40	192.80	6,379.18	-146.01	-520.16	-146.46	540.39	195.73	562,457.84	606,345.54
6,505.00	4.90	192.90	6,473.80	-147.90	-528.48	-148.36	548.91	195.68	562,449.52	606,343.64
6,601.00	4.50	195.30	6,569.47	-149.80	-536.11	-150.27	556.77	195.66	562,441.89	606,341.73
6,697.00	4.60	199.70	6,665.17	-152.08	-543.36	-152.56	564.37	195.68	562,434.64	606,339.44
6,792.00	4.40	203.50	6,759.88	-154.82	-550.29	-155.30	571.78	195.76	562,427.71	606,336.70

Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 206H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 3269.50usft
Site:	Leatherneck 3029 Fed Com	MD Reference:	Well @ 3269.50usft
Well:	No. 206H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD	Database:	WellPlanner1

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
6,888.00	4.10	203.90	6,855.61	-157.67	-556.81	-158.15	578.83	195.86	562,421.19	606,333.85
6,984.00	3.60	207.80	6,951.40	-160.46	-562.61	-160.95	585.18	195.96	562,415.39	606,331.05
7,079.00	3.30	213.70	7,046.23	-163.36	-567.52	-163.86	590.71	196.10	562,410.48	606,328.14
7,174.00	2.60	190.60	7,141.10	-165.27	-571.92	-165.77	595.46	196.16	562,406.08	606,326.23
7,270.00	1.90	176.60	7,237.03	-165.58	-575.65	-166.08	599.12	196.09	562,402.35	606,325.92
7,366.00	1.50	144.40	7,332.99	-164.75	-578.26	-165.25	601.41	195.95	562,399.74	606,326.75
7,461.00	1.10	123.10	7,427.96	-163.26	-579.76	-163.77	602.45	195.77	562,398.24	606,328.23
7,557.00	0.90	131.90	7,523.95	-161.93	-580.77	-162.43	603.06	195.63	562,397.23	606,329.57
7,653.00	1.10	145.20	7,619.93	-160.84	-582.03	-161.35	603.98	195.49	562,395.97	606,330.65
7,748.00	1.20	123.50	7,714.92	-159.49	-583.33	-160.00	604.87	195.34	562,394.67	606,332.00
7,844.00	1.40	117.40	7,810.89	-157.61	-584.42	-158.12	605.44	195.14	562,393.58	606,333.88
7,939.00	0.60	113.80	7,905.88	-156.12	-585.16	-156.63	605.76	194.99	562,392.84	606,335.37
8,034.00	0.50	159.40	8,000.87	-155.52	-585.75	-156.03	606.17	194.92	562,392.25	606,335.97
8,129.00	1.30	206.70	8,095.86	-155.86	-587.10	-156.37	607.57	194.91	562,390.90	606,335.63
8,225.00	4.80	251.40	8,191.72	-160.15	-589.35	-160.67	610.86	195.25	562,388.65	606,331.33
8,320.00	2.40	219.60	8,286.53	-165.18	-592.15	-165.70	614.90	195.63	562,385.85	606,326.30
8,416.00	1.80	189.30	8,382.47	-166.71	-595.19	-167.23	618.24	195.69	562,382.81	606,324.77
8,511.00	1.10	190.40	8,477.44	-167.11	-597.56	-167.63	620.63	195.67	562,380.44	606,324.37
8,607.00	0.50	233.80	8,573.43	-167.61	-598.71	-168.14	621.88	195.69	562,379.29	606,323.86
8,680.00	0.50	261.30	8,646.43	-168.19	-598.95	-168.71	622.26	195.73	562,379.05	606,323.29
8,761.00	2.50	89.80	8,727.41	-166.77	-599.00	-167.29	621.92	195.60	562,379.00	606,324.71
8,857.00	20.10	90.40	8,821.18	-148.03	-599.11	-148.55	617.25	193.93	562,378.89	606,343.45
8,952.00	33.50	87.70	8,905.78	-105.32	-598.16	-105.84	607.46	190.03	562,379.84	606,386.16
9,048.00	37.60	91.80	8,983.88	-49.54	-598.02	-50.06	600.11	184.79	562,379.98	606,441.94
9,143.00	39.30	100.30	9,058.33	9.08	-604.32	8.55	604.38	179.19	562,373.68	606,500.55
9,239.00	46.20	109.20	9,128.85	71.86	-621.18	71.31	625.26	173.45	562,356.82	606,563.31
9,334.00	58.00	106.60	9,187.11	143.12	-644.05	142.55	659.63	167.52	562,333.95	606,634.55

Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 206H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 3269.50usft
Site:	Leatherneck 3029 Fed Com	MD Reference:	Well @ 3269.50usft
Well:	No. 206H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD	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)
9,430.00	73.50	97.30	9,226.49	228.47	-661.66	227.89	699.81	161.00	562,316.34	606,719.89
9,526.00	86.80	91.90	9,242.89	322.51	-669.14	321.93	742.55	154.31	562,308.86	606,813.93
9,621.00	87.60	92.40	9,247.53	417.33	-672.70	416.75	791.33	148.22	562,305.30	606,908.75
9,716.00	88.30	93.20	9,250.93	512.16	-677.34	511.57	848.82	142.94	562,300.66	607,003.57
9,812.00	90.10	92.00	9,252.27	608.05	-681.69	607.46	913.08	138.30	562,296.31	607,099.46
9,907.00	91.90	89.40	9,250.61	703.02	-682.85	702.43	979.64	134.19	562,295.15	607,194.43
10,003.00	91.30	87.60	9,247.93	798.94	-680.34	798.35	1,048.92	130.44	562,297.66	607,290.35
10,098.00	86.60	88.20	9,249.67	893.83	-676.86	893.24	1,120.72	127.15	562,301.14	607,385.24
10,194.00	86.20	90.00	9,255.70	989.63	-675.35	989.04	1,197.62	124.33	562,302.65	607,481.04
10,289.00	86.40	89.80	9,261.83	1,084.43	-675.19	1,083.84	1,276.95	121.92	562,302.81	607,575.84
10,385.00	86.70	91.80	9,267.60	1,180.24	-676.53	1,179.65	1,359.88	119.83	562,301.47	607,671.65
10,428.00	87.30	91.80	9,269.85	1,223.16	-677.88	1,222.57	1,397.93	119.01	562,300.12	607,714.57
10,523.00	87.50	91.20	9,274.16	1,318.03	-680.36	1,317.44	1,482.75	117.31	562,297.64	607,809.44
10,619.00	86.90	90.50	9,278.85	1,413.91	-681.78	1,413.31	1,569.17	115.75	562,296.22	607,905.31
10,715.00	90.60	90.50	9,280.95	1,509.87	-682.62	1,509.27	1,656.46	114.34	562,295.38	608,001.27
10,808.00	90.10	89.80	9,280.38	1,602.86	-682.86	1,602.27	1,741.71	113.08	562,295.14	608,094.27
10,901.00	89.70	90.90	9,280.54	1,695.86	-683.43	1,695.26	1,827.84	111.96	562,294.57	608,187.26
10,993.00	86.20	91.80	9,283.83	1,787.76	-685.60	1,787.17	1,914.16	110.99	562,292.40	608,279.17
11,086.00	85.50	91.80	9,290.56	1,880.47	-688.51	1,879.87	2,001.99	110.12	562,289.49	608,371.87
11,179.00	86.50	91.90	9,297.05	1,973.20	-691.51	1,972.60	2,090.29	109.32	562,286.49	608,464.60
11,272.00	86.70	92.00	9,302.57	2,065.99	-694.66	2,065.38	2,179.07	108.59	562,283.34	608,557.38
11,365.00	86.90	91.90	9,307.76	2,158.79	-697.82	2,158.18	2,268.20	107.92	562,280.18	608,650.18
11,457.00	87.00	91.50	9,312.65	2,250.62	-700.55	2,250.01	2,356.55	107.29	562,277.45	608,742.01
11,550.00	85.50	91.20	9,318.73	2,343.40	-702.74	2,342.78	2,445.91	106.70	562,275.26	608,834.78
11,642.00	87.30	90.40	9,324.51	2,435.20	-704.02	2,434.59	2,534.34	106.13	562,273.98	608,926.59
11,738.00	91.50	91.20	9,325.52	2,531.17	-705.36	2,530.55	2,627.02	105.58	562,272.64	609,022.55
11,834.00	94.20	90.90	9,320.74	2,627.02	-707.11	2,626.41	2,719.93	105.07	562,270.89	609,118.41

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well No. 206H
Project:	Eddy County, NM (NAD83)	**TVD Reference:**	Well @ 3269.50usft
Site:	Leatherneck 3029 Fed Com	**MD Reference:**	Well @ 3269.50usft
Well:	No. 206H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	MWD	**Database:**	WellPlanner1

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
11,929.00	93.20	91.40	9,314.61	2,721.81	-709.02	2,721.19	2,812.04	104.60	562,268.98	609,213.19
12,025.00	91.10	91.30	9,311.01	2,817.71	-711.28	2,817.09	2,905.50	104.17	562,266.72	609,309.09
12,120.00	91.70	91.60	9,308.69	2,912.65	-713.68	2,912.03	2,998.21	103.77	562,264.32	609,404.03
12,216.00	89.30	91.40	9,307.85	3,008.61	-716.19	3,007.99	3,092.07	103.39	562,261.81	609,499.99
12,312.00	90.60	91.70	9,307.94	3,104.58	-718.79	3,103.95	3,186.09	103.04	562,259.21	609,595.95
12,407.00	88.20	90.90	9,308.93	3,199.54	-720.95	3,198.91	3,279.15	102.70	562,257.05	609,690.91
12,503.00	88.10	90.10	9,312.03	3,295.49	-721.78	3,294.86	3,372.99	102.36	562,256.22	609,786.86
12,598.00	88.50	89.70	9,314.85	3,390.44	-721.62	3,389.82	3,465.77	102.02	562,256.38	609,881.82
12,694.00	89.00	89.30	9,316.94	3,486.42	-720.78	3,485.79	3,559.53	101.68	562,257.22	609,977.79
12,789.00	89.60	89.80	9,318.10	3,581.40	-720.03	3,580.78	3,652.45	101.37	562,257.97	610,072.78
12,885.00	90.30	89.80	9,318.19	3,677.40	-719.70	3,676.78	3,746.55	101.08	562,258.30	610,168.78
12,980.00	88.50	89.60	9,319.18	3,772.39	-719.20	3,771.77	3,839.72	100.80	562,258.80	610,263.77
13,076.00	89.20	89.70	9,321.11	3,868.37	-718.61	3,867.74	3,933.94	100.53	562,259.39	610,359.74
13,172.00	88.70	89.80	9,322.87	3,964.35	-718.20	3,963.73	4,028.27	100.27	562,259.80	610,455.73
13,267.00	88.30	90.10	9,325.35	4,059.32	-718.11	4,058.69	4,121.73	100.03	562,259.89	610,550.69
13,363.00	88.00	90.20	9,328.45	4,155.27	-718.36	4,154.64	4,216.29	99.81	562,259.64	610,646.64
13,458.00	88.40	89.80	9,331.44	4,250.22	-718.36	4,249.60	4,309.89	99.59	562,259.64	610,741.60
13,554.00	88.30	89.70	9,334.20	4,346.18	-717.95	4,345.56	4,404.46	99.38	562,260.05	610,837.56
13,650.00	88.10	89.50	9,337.22	4,442.13	-717.28	4,441.51	4,499.05	99.17	562,260.72	610,933.51
13,745.00	88.20	89.50	9,340.28	4,537.08	-716.45	4,536.45	4,592.68	98.97	562,261.55	611,028.45
13,841.00	88.20	89.40	9,343.30	4,633.02	-715.53	4,632.40	4,687.34	98.78	562,262.47	611,124.40
13,937.00	88.20	89.40	9,346.32	4,728.97	-714.52	4,728.35	4,782.03	98.59	562,263.48	611,220.35
14,032.00	88.30	89.40	9,349.22	4,823.92	-713.53	4,823.30	4,875.79	98.41	562,264.47	611,315.30
14,128.00	88.60	89.40	9,351.81	4,919.88	-712.52	4,919.26	4,970.59	98.24	562,265.48	611,411.26
14,223.00	89.40	89.40	9,353.47	5,014.86	-711.53	5,014.24	5,064.47	98.08	562,266.47	611,506.24
14,316.00	89.20	89.20	9,354.61	5,107.84	-710.39	5,107.22	5,156.39	97.92	562,267.61	611,599.22
14,412.00	89.40	88.90	9,355.78	5,203.82	-708.80	5,203.20	5,251.26	97.76	562,269.20	611,695.20

Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 206H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 3269.50usft
Site:	Leatherneck 3029 Fed Com	MD Reference:	Well @ 3269.50usft
Well:	No. 206H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD	Database:	WellPlanner1

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
14,508.00	89.40	88.50	9,356.79	5,299.79	-706.62	5,299.17	5,346.08	97.60	562,271.38	611,791.17
14,603.00	89.90	90.50	9,357.37	5,394.78	-705.79	5,394.16	5,440.14	97.45	562,272.21	611,886.16
14,699.00	88.90	91.30	9,358.37	5,490.76	-707.30	5,490.14	5,535.52	97.34	562,270.70	611,982.14
14,794.00	87.70	90.70	9,361.19	5,585.70	-708.96	5,585.08	5,629.90	97.23	562,269.04	612,077.08
14,890.00	88.80	90.90	9,364.12	5,681.65	-710.30	5,681.03	5,725.26	97.13	562,267.70	612,173.03
14,985.00	89.30	90.30	9,365.70	5,776.63	-711.29	5,776.01	5,819.64	97.02	562,266.71	612,268.01
15,081.00	89.10	90.20	9,367.04	5,872.62	-711.71	5,872.00	5,914.97	96.91	562,266.29	612,364.00
15,176.00	90.60	90.40	9,367.29	5,967.61	-712.21	5,967.00	6,009.35	96.81	562,265.79	612,459.00
15,271.00	88.30	89.90	9,368.20	6,062.60	-712.46	6,061.98	6,103.71	96.70	562,265.54	612,553.98
15,367.00	90.30	90.40	9,369.37	6,158.59	-712.71	6,157.97	6,199.08	96.60	562,265.29	612,649.97
15,462.00	91.50	90.40	9,367.88	6,253.58	-713.37	6,252.96	6,293.52	96.51	562,264.63	612,744.96
15,558.00	92.30	90.40	9,364.69	6,349.52	-714.04	6,348.90	6,388.93	96.42	562,263.96	612,840.90
15,653.00	92.00	90.20	9,361.13	6,444.45	-714.54	6,443.83	6,483.33	96.33	562,263.46	612,935.83
15,749.00	90.80	90.60	9,358.79	6,540.42	-715.21	6,539.80	6,578.79	96.24	562,262.79	613,031.80
15,845.00	90.80	91.00	9,357.45	6,636.40	-716.55	6,635.78	6,674.35	96.16	562,261.45	613,127.78
15,940.00	89.60	91.00	9,357.11	6,731.39	-718.21	6,730.76	6,768.97	96.09	562,259.79	613,222.76
16,036.00	88.00	89.90	9,359.12	6,827.36	-718.96	6,826.73	6,864.49	96.01	562,259.04	613,318.73
16,131.00	88.30	90.10	9,362.19	6,922.31	-718.96	6,921.68	6,958.92	95.93	562,259.04	613,413.68
16,227.00	91.70	90.40	9,362.19	7,018.29	-719.38	7,017.67	7,054.44	95.85	562,258.62	613,509.67
16,322.00	90.00	90.40	9,360.78	7,113.28	-720.04	7,112.65	7,149.01	95.78	562,257.96	613,604.65
16,418.00	90.20	90.80	9,360.61	7,209.27	-721.05	7,208.65	7,244.62	95.71	562,256.95	613,700.65
16,514.00	89.20	91.30	9,361.12	7,305.26	-722.81	7,304.63	7,340.30	95.65	562,255.19	613,796.63
16,609.00	86.60	91.50	9,364.60	7,400.16	-725.13	7,399.53	7,434.97	95.60	562,252.87	613,891.53
16,705.00	86.30	91.40	9,370.54	7,495.95	-727.55	7,495.31	7,530.54	95.54	562,250.45	613,987.31
16,801.00	86.60	91.30	9,376.49	7,591.74	-729.81	7,591.10	7,626.10	95.49	562,248.19	614,083.10
16,896.00	87.30	91.30	9,381.54	7,686.58	-731.96	7,685.94	7,720.72	95.44	562,246.04	614,177.94
16,992.00	87.50	91.20	9,385.90	7,782.46	-734.05	7,781.82	7,816.37	95.39	562,243.95	614,273.82

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well No. 206H
Project:	Eddy County, NM (NAD83)	**TVD Reference:**	Well @ 3269.50usft
Site:	Leatherneck 3029 Fed Com	**MD Reference:**	Well @ 3269.50usft
Well:	No. 206H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	MWD	**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)
17,087.00	89.00	90.70	9,388.80	7,877.40	-735.63	7,876.76	7,911.04	95.34	562,242.37	614,368.76
17,183.00	90.40	90.20	9,389.30	7,973.39	-736.38	7,972.75	8,006.69	95.28	562,241.62	614,464.75
17,278.00	92.20	89.70	9,387.14	8,068.36	-736.30	8,067.72	8,101.25	95.21	562,241.70	614,559.72
17,374.00	93.60	89.20	9,382.29	8,164.23	-735.38	8,163.59	8,196.65	95.15	562,242.62	614,655.59
17,470.00	92.70	89.30	9,377.01	8,260.08	-734.12	8,259.44	8,292.00	95.08	562,243.88	614,751.44
17,565.00	89.80	88.60	9,374.94	8,355.03	-732.38	8,354.39	8,386.43	95.01	562,245.62	614,846.39
17,661.00	86.70	87.90	9,377.87	8,450.92	-729.45	8,450.29	8,481.72	94.93	562,248.55	614,942.29
17,756.00	89.10	88.40	9,381.35	8,545.80	-726.39	8,545.17	8,575.99	94.86	562,251.61	615,037.17
17,852.00	89.90	88.30	9,382.19	8,641.75	-723.62	8,641.12	8,671.37	94.79	562,254.38	615,133.12
17,947.00	89.40	88.10	9,382.77	8,736.70	-720.64	8,736.08	8,765.75	94.72	562,257.36	615,228.08
18,043.00	90.90	88.20	9,382.52	8,832.65	-717.54	8,832.02	8,861.12	94.64	562,260.46	615,324.02
18,138.00	89.60	88.70	9,382.10	8,927.61	-714.97	8,926.98	8,955.57	94.58	562,263.03	615,418.98
18,233.00	87.60	87.70	9,384.43	9,022.52	-711.99	9,021.90	9,049.95	94.51	562,266.01	615,513.90
18,329.00	88.30	88.90	9,387.86	9,118.41	-709.14	9,117.80	9,145.33	94.45	562,268.86	615,609.80
18,424.00	89.00	89.30	9,390.10	9,213.37	-707.65	9,212.76	9,239.90	94.39	562,270.35	615,704.76
18,520.00	91.10	89.60	9,390.01	9,309.36	-706.73	9,308.75	9,335.54	94.34	562,271.27	615,800.75
18,615.00	89.40	89.70	9,389.60	9,404.36	-706.15	9,403.74	9,430.22	94.29	562,271.85	615,895.74
18,711.00	88.60	89.70	9,391.27	9,500.34	-705.65	9,499.73	9,525.90	94.25	562,272.35	615,991.73
18,807.00	86.90	90.40	9,395.04	9,596.26	-705.73	9,595.65	9,621.56	94.21	562,272.27	616,087.65
18,903.00	89.80	91.40	9,397.81	9,692.20	-707.24	9,691.58	9,717.36	94.17	562,270.76	616,183.58
18,998.00	87.30	91.10	9,400.21	9,787.14	-709.31	9,786.52	9,812.19	94.15	562,268.69	616,278.52
19,094.00	85.60	91.30	9,406.16	9,882.93	-711.32	9,882.32	9,907.88	94.12	562,266.68	616,374.32
19,189.00	87.90	92.00	9,411.54	9,977.74	-714.05	9,977.12	10,002.64	94.09	562,263.95	616,469.12
19,285.00	88.10	92.20	9,414.89	10,073.62	-717.56	10,072.99	10,098.52	94.07	562,260.44	616,564.99
19,340.00	88.00	92.20	9,416.76	10,128.54	-719.67	10,127.92	10,153.46	94.06	562,258.33	616,619.92

Last Survey: 19340' MD

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well No. 206H
Project:	Eddy County, NM (NAD83)	**TVD Reference:**	Well @ 3269.50usft
Site:	Leatherneck 3029 Fed Com	**MD Reference:**	Well @ 3269.50usft
Well:	No. 206H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	MWD	**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)
19,420.00	88.00	92.20	9,419.55	10,208.44	-722.74	10,207.81	10,233.37	94.05	562,255.26	616,699.81
PTB: 19420' MD										

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
408.00	407.92	6.51	2.34	Pro MWD First Survey: 408' MD
19,340.00	9,416.76	-719.67	10,127.92	Last Survey: 19340' MD
19,420.00	9,419.55	-722.74	10,207.81	PTB: 19420' MD