

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

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 - 015-46001	⁵ Pool Name AVALON; BONE SPRING, EAST	⁶ Pool Code 3713
⁷ Property Code 326053	⁸ Property Name LEATHERNECK 3029 FEDERAL COM	⁹ Well Number 135H

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
1	30	20S	29E		870	N	339	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
A	29	20S	29E		418	N	38	E	EDDY
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 07/27/20	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

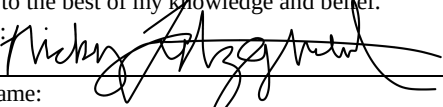
III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
372018	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 02/04/20	²² Ready Date 07/27/20	²³ TD 9105'/19115'	²⁴ PBTD 18896'	²⁵ Perforations 9035' - 18964'	²⁶ DHC, MC - --
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
Surf: 26"	20" 94.0# J55	397'	1400 C 1.36		
INT1: 17 1/2"	13 3/8" 54.5# J55	1199'	1340 C 1.34		
INT 2: 12 1/4"	9 5/8" 40.0# J55 ---	3115' INT 2 stage 1 TOC 1282' 1283' DV TOOL DEPTH stage 2 TOC 0'	1410 C 1.38 stage 1 461 C 1.73 stage 2		
PROD: 8 3/4"	5 1/2" 20.0# P110	19089 '	3049 C 1.35 TOC 200'		

V. Well Test Data

³¹ Date New Oil 7/27/2020	³² Gas Delivery Date 7/28/2020	³³ Test Date 9/25/2020	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 906	³⁹ Water 4320	⁴⁰ Gas 1703		⁴¹ Test Method P
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: 			OIL CONSERVATION DIVISION		
Printed name: Nicky Fitzgerald			Approved by: 		
Title: Regulatory Analyst			Title: BUSINESS OP. SPEC.		
E-mail Address: nicky.fitzgerald@matadorresources.com			Approval Date: 2/16/2021		
Date:		Phone: 972-371-5448			

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

As-Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-46001	² Pool Code 3713	³ Pool Name AVALON; BONE SPRING, EAST
⁴ Property Code 326053	⁵ Property Name LEATHERNECK 3029 FED COM	
⁷ OGRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁶ Well Number 135H ⁹ Elevation 3238'

¹⁰Surface Location

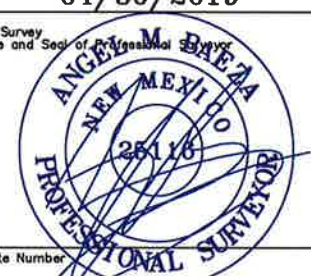
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	30	20-S	29-E	-	870'	NORTH	339'	WEST	EDDY

¹¹Bottom Hole Location If Different From Surface

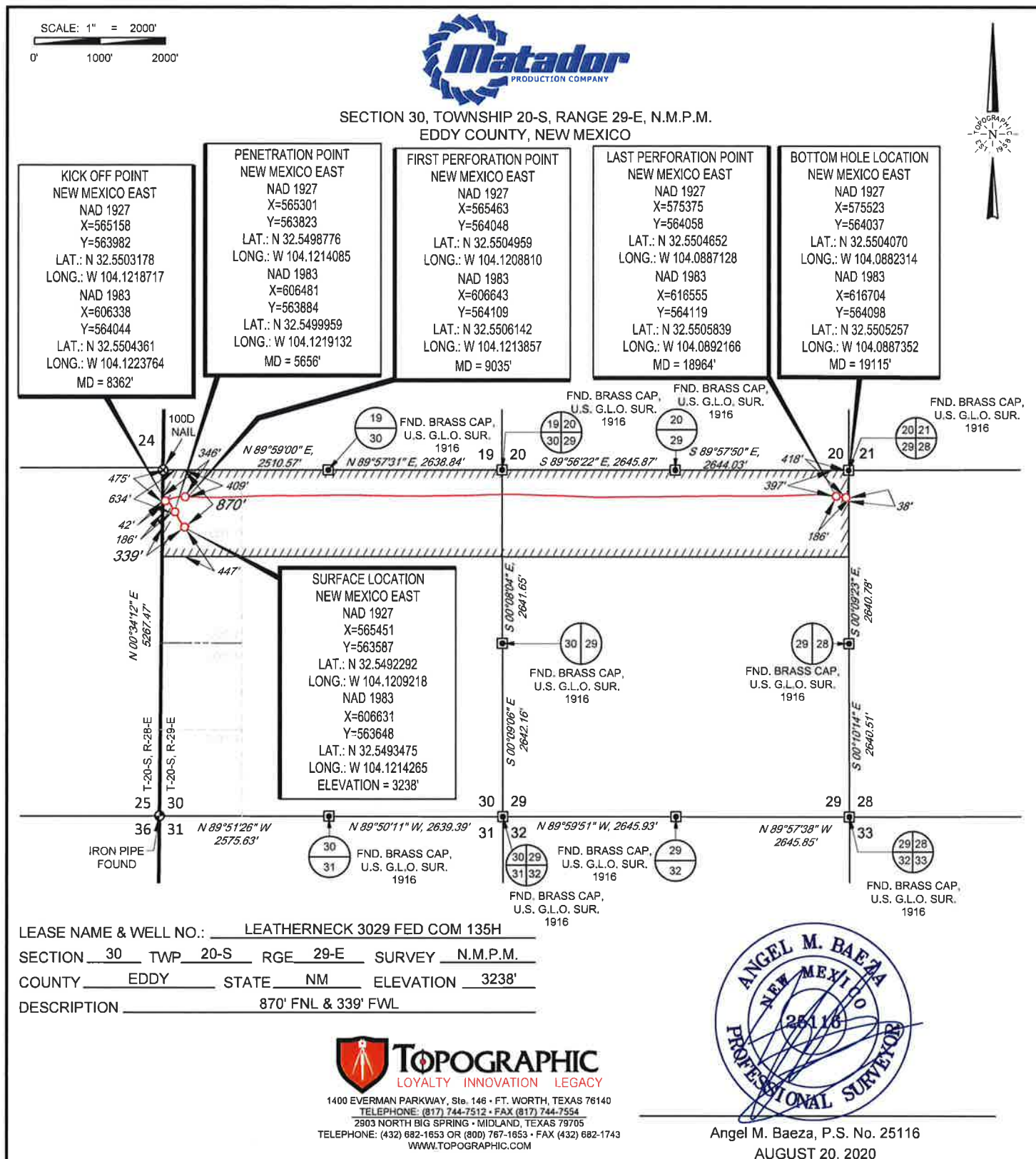
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	29	20-S	29-E	-	418'	NORTH	38'	EAST	EDDY

¹² Dedicated Acres 316.34	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.

¹⁶ KICK OFF POINT NEW MEXICO EAST NAD 1927 X=565158 Y=563982 LAT.: N 32.5503178 LONG.: W 104.1218717 NAD 1983 X=606338 Y=564044 LAT.: N 32.5504361 LONG.: W 104.1223764 MD = 8362'	FIRST PERFORATION POINT NEW MEXICO EAST NAD 1927 X=565463 Y=564048 LAT.: N 32.5504959 LONG.: W 104.1208810 NAD 1983 X=606643 Y=564109 LAT.: N 32.5506142 LONG.: W 104.1213857 MD = 9035'	LAST PERFORATION POINT NEW MEXICO EAST NAD 1927 X=575375 Y=564058 LAT.: N 32.5504652 LONG.: W 104.0887128 NAD 1983 X=616555 Y=564119 LAT.: N 32.5505839 LONG.: W 104.0892166 MD = 18964'	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 undivided 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 in a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.  Signature Date Cassie Hahn Printed Name chahn@matadorresources.com E-mail Address
SURFACE LOCATION NEW MEXICO EAST NAD 1927 X=565451 Y=563587 LAT.: N 32.5492292 LONG.: W 104.1209218 NAD 1983 X=606631 Y=563648 LAT.: N 32.5493475 LONG.: W 104.1214265 ELEVATION = 3238'	PENETRATION POINT NEW MEXICO EAST NAD 1927 X=565301 Y=563823 LAT.: N 32.5498776 LONG.: W 104.1214085 NAD 1983 X=606481 Y=563884 LAT.: N 32.5499959 LONG.: W 104.1219132 MD = 5656'	BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1927 X=575523 Y=564037 LAT.: N 32.5504070 LONG.: W 104.0882314 NAD 1983 X=616704 Y=564098 LAT.: N 32.5505257 LONG.: W 104.0887352 MD = 19115'	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 Certificate Number

S:\SURVEY\MATADOR_RESOURCES\LEATHERNECK_30-20S-29E\FINAL_PRODUCTS\AD_LEATHERNECK_3029_FED_COM_135H.DWG 8/24/2020 10:50:41 AM adisabella



LEATHERNECK 3029 FED COM 135H	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.
DATE: 08/20/2020			
AD_LEATHERNECK_3029_FED_COM_135H			
DRAWN BY: H.B.			
SHEET : 1 OF 1			

S:\SURVEY\MATADOR_RESOURCES\LEATHERNECK_30-20S-29E\FINAL_PRODUCT\5AD_LEATHERNECK_3029_FED_COM_135H.DWG 8/24/2020 10:50:42 AM adsabeta



Leatherneck 3029 Fed Com No. 135H
Eddy County, NM

March 11, 2020

Job No. LNM5103920

Certified Report



Survey Certification Letter

March 11, 2020



Operator Name: Matador Resources
Well Name: Leatherneck 3029 Fed Com No. 135H
County/Parish: Eddy County,
State: NM
Rig Name: Patterson 809
Job Number: LNM5103920

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	506' MD – 10,534' MD	10,610' MD	02/07/20 – 03/03/20	MWD

Sincerely,

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. 135H
OH

Survey: ProDirectional

Survey Report

11 March, 2020





ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 135H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 3266.50usft
Site:	Leatherneck 3029 Fed Com	MD Reference:	Well @ 3266.50usft
Well:	No. 135H	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
From:	Map	Easting:	606,522.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.547423
		Longitude:	-104.121786
		Grid Convergence:	0.11 °

Well		No. 135H, LNM5103920				
Well Position	+N/-S	0.00 usft	Northing:	563,648.00 usft	Latitude:	32.549347
	+E/-W	0.00 usft	Easting:	606,631.00 usft	Longitude:	-104.121428
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,238.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	2/13/2020	7.12	60.28	47,902.20

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	90.01



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 135H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 3266.50usft
Site:	Leatherneck 3029 Fed Com	MD Reference:	Well @ 3266.50usft
Well:	No. 135H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD	Database:	WellPlanner1

Survey Program		Date	3/11/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
134.50	347.00	Survey #1 (OH)	MWD - OWSG	MWD - OWSG	
506.00	10,610.00	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	563,648.00	606,631.00	
134.50	0.45	119.64	134.50	0.46	-0.26	0.46	0.53	119.64	563,647.74	606,631.46	
227.25	0.97	85.86	227.24	1.56	-0.38	1.56	1.61	103.86	563,647.62	606,632.56	
347.00	1.09	65.55	346.97	3.61	0.16	3.61	3.61	87.46	563,648.16	606,634.61	
506.00	1.60	58.60	505.93	6.88	1.94	6.88	7.15	74.23	563,649.94	606,637.88	
Pro MWD First Survey: 506' MD											
598.00	1.60	64.00	597.89	9.13	3.17	9.13	9.66	70.82	563,651.17	606,640.13	
691.00	1.80	57.10	690.85	11.52	4.54	11.52	12.38	68.51	563,652.54	606,642.52	
784.00	2.50	65.40	783.79	14.59	6.17	14.59	15.85	67.06	563,654.17	606,645.59	
877.00	3.70	70.20	876.65	19.26	8.04	19.26	20.87	67.35	563,656.04	606,650.26	
969.00	3.20	80.50	968.48	24.58	9.47	24.59	26.34	68.94	563,657.47	606,655.59	
1,062.00	3.70	92.40	1,061.31	30.14	9.77	30.14	31.69	72.05	563,657.77	606,661.14	
1,121.00	4.30	93.70	1,120.17	34.25	9.55	34.25	35.56	74.43	563,657.55	606,665.25	
1,250.00	5.10	93.00	1,248.74	44.80	8.93	44.81	45.69	78.72	563,656.93	606,675.81	
1,345.00	5.00	92.10	1,343.37	53.16	8.56	53.16	53.84	80.85	563,656.56	606,684.16	
1,440.00	3.70	87.90	1,438.09	60.36	8.52	60.36	60.96	81.96	563,656.52	606,691.36	
1,536.00	2.60	75.60	1,533.95	65.56	9.18	65.56	66.20	82.03	563,657.18	606,696.56	
1,632.00	1.70	59.10	1,629.88	68.89	10.45	68.90	69.68	81.38	563,658.45	606,699.90	
1,727.00	0.90	355.30	1,724.86	70.04	11.92	70.04	71.05	80.34	563,659.92	606,701.04	
1,823.00	2.20	325.20	1,820.82	68.93	14.18	68.93	70.37	78.37	563,662.18	606,699.93	
1,919.00	3.10	316.50	1,916.72	66.09	17.58	66.09	68.39	75.11	563,665.58	606,697.09	



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 135H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 3266.50usft
Site:	Leatherneck 3029 Fed Com	MD Reference:	Well @ 3266.50usft
Well:	No. 135H	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)	
2,014.00	3.90	310.00	2,011.54	61.84	21.52	61.85	65.48	70.82	563,669.52	606,692.85	
2,110.00	3.90	300.60	2,107.32	56.53	25.28	56.54	61.93	65.91	563,673.28	606,687.54	
2,205.00	4.20	298.10	2,202.08	50.68	28.56	50.69	58.18	60.60	563,676.56	606,681.69	
2,301.00	4.30	295.60	2,297.82	44.34	31.77	44.34	54.55	54.38	563,679.77	606,675.34	
2,396.00	4.70	284.40	2,392.53	37.35	34.28	37.36	50.70	47.46	563,682.28	606,668.36	
2,492.00	5.50	279.20	2,488.15	29.00	35.99	29.01	46.23	38.87	563,683.99	606,660.01	
2,588.00	4.80	284.90	2,583.76	20.58	37.76	20.59	43.01	28.60	563,685.76	606,651.59	
2,683.00	4.50	293.70	2,678.45	13.32	40.28	13.33	42.43	18.31	563,688.28	606,644.33	
2,779.00	5.50	294.90	2,774.08	5.70	43.73	5.71	44.10	7.44	563,691.73	606,636.71	
2,875.00	5.90	292.50	2,869.61	-3.03	47.56	-3.02	47.65	356.36	563,695.56	606,627.98	
2,971.00	6.30	292.40	2,965.06	-12.46	51.45	-12.45	52.94	346.40	563,699.45	606,618.55	
3,061.00	7.00	291.00	3,054.46	-22.14	55.30	-22.14	59.56	338.18	563,703.30	606,608.86	
3,169.00	7.30	290.20	3,161.62	-34.73	60.03	-34.72	69.34	329.96	563,708.03	606,596.28	
3,264.00	6.90	310.50	3,255.90	-44.74	65.82	-44.72	79.58	325.80	563,713.82	606,586.28	
3,360.00	7.00	318.00	3,351.20	-53.04	73.91	-53.02	90.96	324.34	563,721.91	606,577.98	
3,455.00	4.90	317.20	3,445.68	-59.67	81.19	-59.65	100.75	323.69	563,729.19	606,571.35	
3,551.00	4.60	317.50	3,541.35	-65.06	87.04	-65.04	108.65	323.23	563,735.04	606,565.96	
3,646.00	4.60	316.70	3,636.05	-70.24	92.62	-70.23	116.23	322.83	563,740.62	606,560.77	
3,742.00	4.50	330.10	3,731.75	-74.76	98.68	-74.74	123.80	322.86	563,746.68	606,556.26	
3,838.00	4.50	332.60	3,827.45	-78.37	105.29	-78.35	131.25	323.34	563,753.29	606,552.65	
3,933.00	4.40	334.00	3,922.16	-81.69	111.88	-81.67	138.51	323.87	563,759.88	606,549.33	
4,029.00	4.40	332.80	4,017.88	-84.99	118.46	-84.96	145.78	324.35	563,766.46	606,546.04	
4,125.00	4.40	332.30	4,113.60	-88.38	125.00	-88.36	153.07	324.74	563,773.00	606,542.64	
4,220.00	4.60	334.90	4,208.31	-91.69	131.67	-91.67	160.44	325.15	563,779.67	606,539.33	
4,316.00	4.40	334.80	4,304.01	-94.89	138.49	-94.87	167.87	325.59	563,786.49	606,536.13	
4,411.00	4.50	337.80	4,398.72	-97.86	145.24	-97.83	175.12	326.04	563,793.24	606,533.17	
4,507.00	4.40	337.40	4,494.43	-100.70	152.13	-100.67	182.42	326.51	563,800.13	606,530.33	



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 135H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 3266.50usft
Site:	Leatherneck 3029 Fed Com	MD Reference:	Well @ 3266.50usft
Well:	No. 135H	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)	
4,602.00	4.20	339.30	4,589.17	-103.33	158.74	-103.30	189.40	326.95	563,806.74	606,527.70	
4,698.00	4.30	338.30	4,684.90	-105.90	165.38	-105.87	196.36	327.37	563,813.38	606,525.13	
4,793.00	4.20	336.00	4,779.64	-108.63	171.86	-108.60	203.30	327.71	563,819.86	606,522.40	
4,889.00	4.30	336.60	4,875.38	-111.49	178.38	-111.46	210.34	328.00	563,826.38	606,519.54	
4,985.00	4.20	339.90	4,971.11	-114.13	184.98	-114.10	217.34	328.33	563,832.98	606,516.90	
5,081.00	4.30	340.10	5,066.85	-116.57	191.67	-116.53	224.31	328.70	563,839.67	606,514.47	
5,175.00	5.30	322.40	5,160.52	-120.42	198.42	-120.38	232.08	328.75	563,846.42	606,510.62	
5,271.00	5.50	323.00	5,256.10	-125.89	205.61	-125.86	241.07	328.53	563,853.61	606,505.14	
5,366.00	5.40	323.30	5,350.67	-131.30	212.83	-131.27	250.05	328.33	563,860.83	606,499.73	
5,462.00	6.10	320.80	5,446.18	-137.23	220.40	-137.19	259.61	328.10	563,868.40	606,493.81	
5,557.00	6.00	319.00	5,540.66	-143.68	228.06	-143.64	269.53	327.80	563,876.06	606,487.36	
5,653.00	5.80	317.10	5,636.15	-150.27	235.40	-150.23	279.26	327.45	563,883.40	606,480.77	
5,748.00	5.40	313.30	5,730.69	-156.80	241.98	-156.75	288.32	327.07	563,889.98	606,474.25	
5,844.00	6.10	329.60	5,826.22	-162.67	249.48	-162.62	297.80	326.90	563,897.48	606,468.38	
5,939.00	5.70	330.10	5,920.71	-167.57	257.93	-167.53	307.56	327.00	563,905.93	606,463.47	
6,035.00	5.00	328.70	6,016.29	-172.12	265.63	-172.08	316.50	327.06	563,913.63	606,458.92	
6,130.00	8.10	333.20	6,110.66	-177.30	275.15	-177.25	327.30	327.21	563,923.15	606,453.75	
6,226.00	8.40	332.90	6,205.67	-183.54	287.43	-183.49	341.00	327.45	563,935.43	606,447.51	
6,322.00	7.80	333.90	6,300.71	-189.60	299.52	-189.55	354.46	327.67	563,947.52	606,441.45	
6,418.00	7.30	332.90	6,395.88	-195.25	310.80	-195.20	367.01	327.87	563,958.80	606,435.80	
6,513.00	7.10	333.30	6,490.13	-200.64	321.42	-200.58	378.87	328.03	563,969.42	606,430.42	
6,608.00	6.80	333.60	6,584.43	-205.78	331.70	-205.72	390.32	328.19	563,979.70	606,425.28	
6,704.00	6.50	335.00	6,679.79	-210.61	341.71	-210.55	401.37	328.36	563,989.71	606,420.45	
6,799.00	5.90	316.40	6,774.24	-216.25	350.12	-216.19	411.49	328.31	563,998.12	606,414.81	
6,895.00	5.90	316.00	6,869.73	-223.08	357.25	-223.02	421.14	328.02	564,005.25	606,407.98	
6,991.00	5.70	314.30	6,965.24	-229.92	364.13	-229.86	430.61	327.74	564,012.13	606,401.14	
7,086.00	4.20	302.40	7,059.89	-236.23	369.29	-236.17	438.35	327.40	564,017.29	606,394.83	



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 135H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 3266.50usft
Site:	Leatherneck 3029 Fed Com	MD Reference:	Well @ 3266.50usft
Well:	No. 135H	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)	
7,182.00	4.30	297.10	7,155.62	-242.41	372.81	-242.34	444.65	326.97	564,020.81	606,388.66	
7,277.00	4.10	291.40	7,250.37	-248.74	375.67	-248.67	450.52	326.50	564,023.67	606,382.33	
7,373.00	3.70	293.30	7,346.14	-254.78	378.15	-254.71	455.93	326.04	564,026.15	606,376.29	
7,468.00	3.70	292.90	7,440.95	-260.42	380.55	-260.35	461.09	325.62	564,028.55	606,370.65	
7,564.00	3.10	286.90	7,536.78	-265.76	382.51	-265.69	465.73	325.22	564,030.51	606,365.31	
7,659.00	3.70	280.40	7,631.61	-271.23	383.81	-271.16	469.94	324.76	564,031.81	606,359.84	
7,755.00	3.30	279.00	7,727.43	-277.01	384.80	-276.94	474.10	324.26	564,032.80	606,354.06	
7,850.00	3.20	303.70	7,822.28	-281.91	386.70	-281.85	478.51	323.91	564,034.70	606,349.15	
7,946.00	3.30	317.80	7,918.13	-286.00	390.24	-285.93	483.78	323.77	564,038.24	606,345.07	
8,041.00	3.10	316.70	8,012.98	-289.60	394.13	-289.53	489.05	323.70	564,042.13	606,341.47	
8,137.00	0.10	295.30	8,108.93	-291.46	396.06	-291.39	491.70	323.66	564,044.06	606,339.61	
8,233.00	1.40	246.10	8,204.92	-292.60	395.62	-292.53	492.03	323.52	564,043.62	606,338.47	
8,310.00	0.50	270.80	8,281.91	-293.80	395.24	-293.73	492.44	323.38	564,043.24	606,337.27	
8,362.00	1.10	66.10	8,333.91	-293.57	395.45	-293.50	492.46	323.42	564,043.45	606,337.50	
8,458.00	7.30	72.40	8,429.61	-286.91	397.67	-286.84	490.32	324.20	564,045.67	606,344.16	
8,554.00	16.40	69.10	8,523.46	-268.39	404.36	-268.32	485.29	326.43	564,052.36	606,362.68	
8,649.00	24.00	63.30	8,612.56	-238.56	417.85	-238.49	481.12	330.28	564,065.85	606,392.51	
8,745.00	30.70	68.90	8,697.80	-198.21	435.46	-198.13	478.42	335.53	564,083.46	606,432.87	
8,841.00	40.60	78.40	8,775.77	-144.57	450.62	-144.49	473.22	342.22	564,098.62	606,486.51	
8,888.00	47.30	84.50	8,809.60	-112.35	455.35	-112.27	468.99	346.15	564,103.35	606,518.73	
8,937.00	56.50	87.60	8,839.81	-73.93	457.94	-73.85	463.86	350.84	564,105.94	606,557.15	
9,033.00	63.40	88.40	8,887.85	9.07	460.82	9.15	460.91	1.14	564,108.82	606,640.15	
9,128.00	73.50	89.20	8,922.70	97.29	462.65	97.37	472.78	11.89	564,110.65	606,728.37	
9,238.00	80.70	95.90	8,947.27	204.27	457.79	204.35	501.33	24.05	564,105.79	606,835.35	
9,334.00	83.20	92.10	8,960.72	299.07	451.17	299.15	541.34	33.55	564,099.17	606,930.15	
9,430.00	84.70	89.90	8,970.84	394.51	449.51	394.59	598.13	41.28	564,097.51	607,025.59	
9,525.00	88.10	88.30	8,976.80	489.29	451.00	489.37	665.50	47.34	564,099.00	607,120.37	



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 135H
Project:	Eddy County, NM (NAD83)	TVD Reference:	Well @ 3266.50usft
Site:	Leatherneck 3029 Fed Com	MD Reference:	Well @ 3266.50usft
Well:	No. 135H	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)	
9,621.00	89.70	88.00	8,978.64	585.22	454.10	585.30	740.80	52.19	564,102.10	607,216.30	
9,717.00	90.20	88.20	8,978.73	681.17	457.28	681.25	820.49	56.13	564,105.28	607,312.25	
9,812.00	87.70	87.50	8,980.47	776.08	460.84	776.16	902.66	59.30	564,108.84	607,407.16	
9,908.00	90.10	87.90	8,982.31	871.97	464.70	872.05	988.14	61.95	564,112.70	607,503.05	
10,004.00	90.60	88.10	8,981.73	967.91	468.05	967.99	1,075.21	64.20	564,116.05	607,598.99	
10,099.00	88.80	87.90	8,982.22	1,062.85	471.36	1,062.93	1,162.76	66.08	564,119.36	607,693.93	
10,195.00	89.10	88.70	8,983.98	1,158.79	474.21	1,158.87	1,252.14	67.75	564,122.21	607,789.87	
10,290.00	90.10	88.80	8,984.64	1,253.76	476.28	1,253.84	1,341.26	69.20	564,124.28	607,884.84	
10,385.00	90.80	89.80	8,983.90	1,348.75	477.44	1,348.83	1,430.84	70.51	564,125.44	607,979.83	
10,481.00	91.00	90.20	8,982.39	1,444.74	477.44	1,444.82	1,521.66	71.71	564,125.44	608,075.82	
10,534.00	90.80	90.10	8,981.56	1,497.73	477.30	1,497.81	1,572.03	72.32	564,125.30	608,128.81	
Last Survey: 10534' MD											
10,610.00	90.80	90.10	8,980.50	1,573.72	477.17	1,573.81	1,644.55	73.13	564,125.17	608,204.81	
PTB: 10610' MD											

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
506.00	505.93	1.94	6.88	Pro MWD First Survey: 506' MD
10,534.00	8,981.56	477.30	1,497.81	Last Survey: 10534' MD
10,610.00	8,980.50	477.17	1,573.81	PTB: 10610' MD

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____				5. Lease Serial No. NMNM134868	
2. Name of Operator Contact: NICKY FITZGERALD MATADOR PRODUCTION COMPANY E-Mail: nicky.fitzgerald@matadorresources.com				6. If Indian, Allottee or Tribe Name	
3. Address ONE LINCOLN CENTER 5400 LBJ FREEWAY SUITE 1500 Phone No. (include area code) DALLAS, TX 75240 Ph: 972-371-5448				7. Unit or CA Agreement Name and No.	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 30 T20S R29E Mer NMP At surface Lot 1 870FNL 339FWL 32.549348 N Lat, 104.121427 W Lon Sec 30 T20S R29E Mer NMP At top prod interval reported below Lot 1 386FNL 624FWL 32.550614 N Lat, 104.121386 W Lon Sec 29 T20S R29E Mer NMP At total depth NENE 418FNL 38FEL 32.550526 N Lat, 104.088735 W Lon				8. Lease Name and Well No. LEATHERNECK 3029 FED COM 135H 9. API Well No. 30-015-46001-00-S1	
10. Field and Pool, or Exploratory RUSSELL 11. Sec., T., R., M., or Block and Survey or Area Sec 30 T20S R29E Mer NMP				12. County or Parish EDDY 13. State NM	
14. Date Spudded 02/04/2020		15. Date T.D. Reached 03/13/2020		16. Date Completed ☐ D & A ☒ Ready to Prod. 07/27/2020	
17. Elevations (DF, KB, RT, GL)* 3238 GL					
18. Total Depth: MD 19115 TVD 9105		19. Plug Back T.D.: MD TVD		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) ATTACHED				22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ Yes (Submit analysis)	

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26.000	20.000 J-55	94.0	0	397		1400		0	566
17.500	13.375 J-55	54.5	0	1199		1340		0	838
12.250	9.625 J-55	40.0	0	3115	1283	1410		1282	
8.750	5.500 P-110	20.0	0	19089		3049		200	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	8215	8215						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	9035	18964	9035 TO 18964		51	
B)						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
9035 TO 18964	24,841,500 TOTAL PROPANT

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
07/28/2020	09/25/2020	24		906.0	1703.0	4320.0			ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
				906	1703	4320	2	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #532903 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)

SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
CAPITAN REEF	1352	3239	WATER	TOP SALT	22
DELAWARE	3239	5656	OIL AND GAS	CAPITAN REEF	1352
BONE SPRING 1ST	6829	7104	OIL AND GAS	DELAWARE SAND	3239
BONE SPRING 2ND	7546	7883	OIL AND GAS	BONE SPRING	5656
BONE SPRING 3RD	8733		OIL AND GAS		

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #532903 Verified by the BLM Well Information System.
For MATADOR PRODUCTION COMPANY, sent to the Carlsbad
Committed to AFMSS for processing by TANJA BACA on 12/29/2020 (21TAB0025SE)**

Name (please print) NICKY FITZGERALDTitle REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 10/05/2020

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

Revisions to Operator-Submitted EC Data for Well Completion #532903

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMNM134868	NMNM134868
Agreement:		
Operator:	MATADOR PRODUCTION COMPANY 5400 LBJ FREEWAY, SUITE 1500 DALLAS, TX 75240 Ph: 972-371-5448	MATADOR PRODUCTION COMPANY ONE LINCOLN CENTER 5400 LBJ FREEWAY SUITE 1500 DALLAS, TX 75240 Ph: 972.371.5200
Admin Contact:	NICKY FITZGERALD REGULATORY ANALYST E-Mail: nicky.fitzgerald@matadorresources.com Ph: 972-371-5448	NICKY FITZGERALD REGULATORY ANALYST E-Mail: nicky.fitzgerald@matadorresources.com Ph: 972-371-5448
Tech Contact:	NICKY FITZGERALD REGULATORY ANALYST E-Mail: nicky.fitzgerald@matadorresources.com Ph: 972-371-5448	NICKY FITZGERALD REGULATORY ANALYST E-Mail: nicky.fitzgerald@matadorresources.com Ph: 972-371-5448
Well Name: Number:	LEATHERNECK 3029 FEDERAL COM 135H	LEATHERNECK 3029 FED COM 135H
Location: State: County: S/T/R: Surf Loc:	NM EDDY Sec 30 T20S R29E Mer 870FNL 339FWL	NM EDDY Sec 30 T20S R29E Mer NMP Lot 1 870FNL 339FWL 32.549348 N Lat, 104.121427 W Lon
Field/Pool:	AVALON;BONE SPRING, EAST	RUSSELL
Logs Run:	ATTACHED	ATTACHED
Producing Intervals - Formations:	BONE SPRING	BONE SPRING
Porous Zones:	CAPITAN DELAWARE FIRST BONE SPRING SECOND BONE SPRING THIRD BONE SPRING	CAPITAN REEF DELAWARE BONE SPRING 1ST BONE SPRING 2ND BONE SPRING 3RD
Markers:	TOP SALT BASE SALT/LAMAR CAPITAN DELAWARE SAND BONE SPRING	TOP SALT CAPITAN REEF DELAWARE SAND BONE SPRING

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 15030

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
MATADOR PRODUCTION COMPANY 5400 LBJ Freeway, Ste 1500 One Lincoln Centre Dallas, TX75240	228937	15030	C-104C
OCD Reviewer	Condition		
abustamante	None		