

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.
Sante Fe, NM 87505

RECEIVED

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

DISTRICT ARTESIA O.C.D.

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-45819	² Pool Code 64450	³ Pool Name WILLOW LAKE;BONE SPRING
⁴ Property Code 319473	⁵ Property Name GARRETT STATE COM	⁶ Well Number #111H
⁷ OGRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 2939'

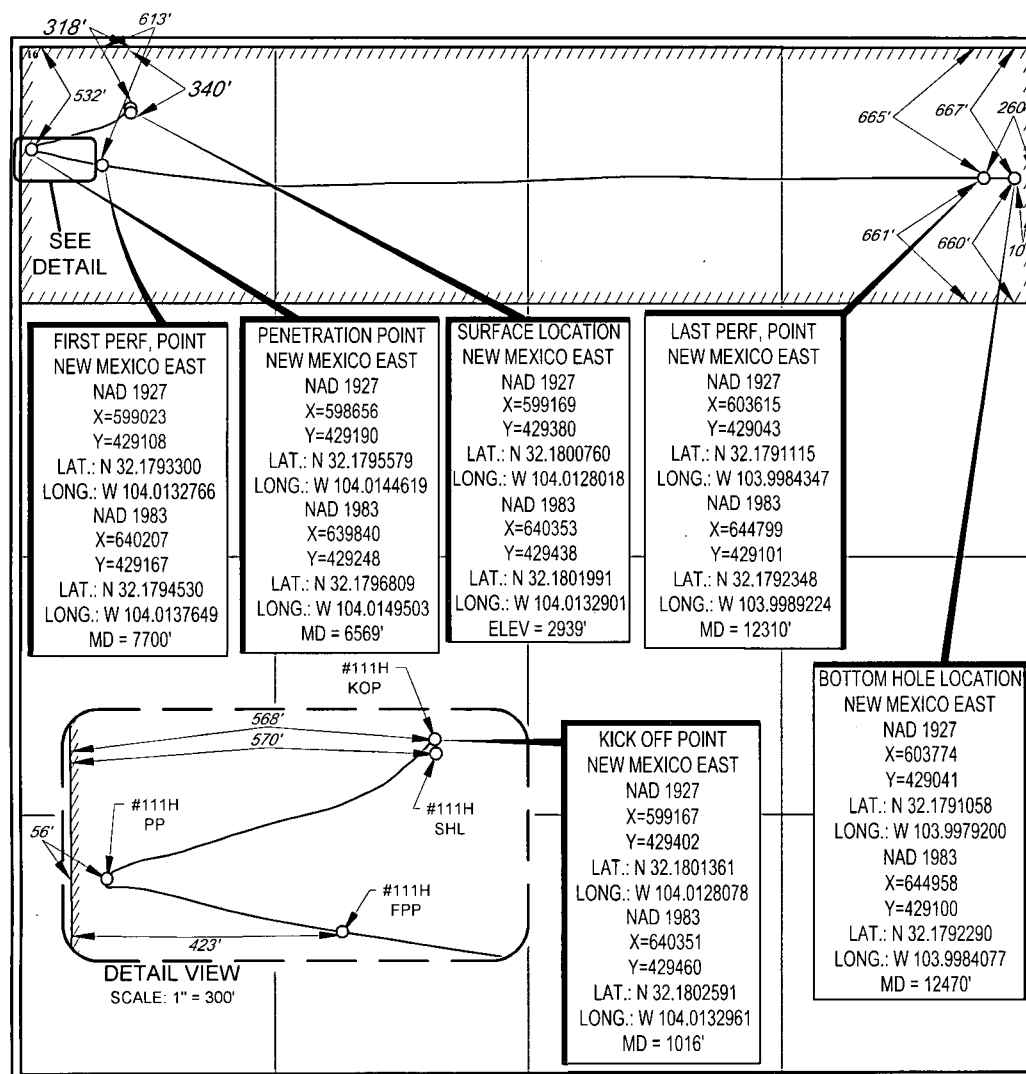
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	32	24-S	29-E	-	340'	NORTH	570'	WEST	EDDY

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	32	24-S	29-E	-	667'	NORTH	101'	EAST	EDDY

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

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.



¹⁷OPERATOR 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: *Chris Carleton* Date: 9/16/19

Chris Carleton

Printed Name

ccarleton@matadorresources.com

E-mail Address

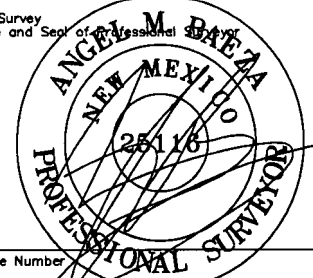
¹⁸SURVEYOR CERTIFICATION

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.

03/05/2019

Date of Survey

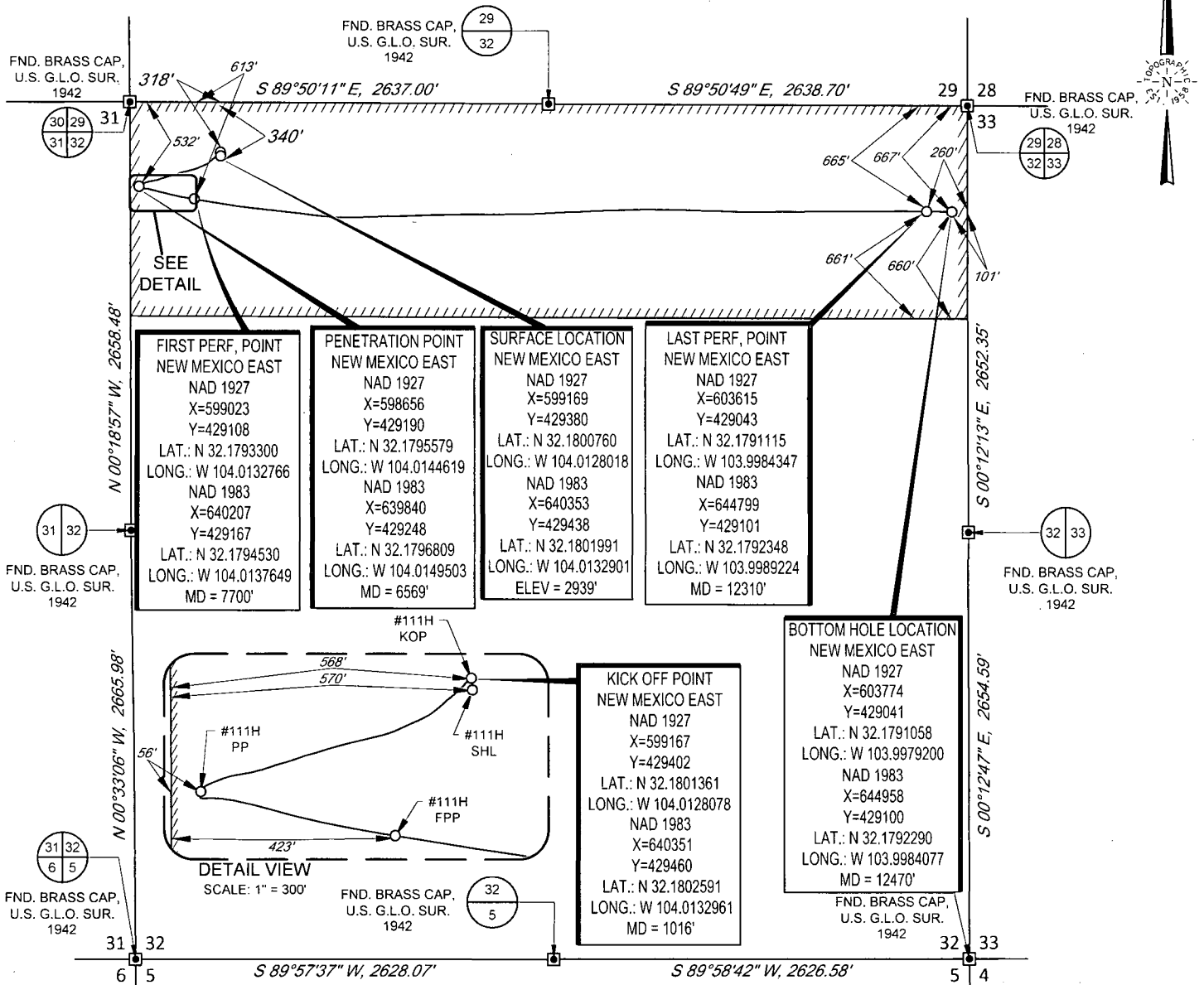
Signature and Seal of Professional Surveyor



Certificate Number

SCALE: 1" = 1000'
0' 500' 1000'

SECTION 32, TOWNSHIP 24-S, RANGE 29-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 145 • 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, P.S. No. 25116
SEPTEMBER 11, 2019

GARRETT STATE COM
#111H
AS-COMPLETED

REVISION:

INT DATE

DATE: 09/11/19

FILE:AD_GARRETT_STATE_COM_111H

DRAWN BY: J.D.R.

SHEET: 1 OF 1

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, EAST ZONE, U.S. SURVEY FEET, NORTH AMERICAN DATUM 1983.
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 RESOURCES, INC. 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.



7821 Will Rogers Blvd.
Fort Worth, Texas 76140
817.568.1038 (office)
817.568.1499 (fax)
www.msdir.com

MS Directional Survey Data Certification

MS Directional Job Number: MSMO-58502
Survey Type: MWD
Operating Company: Matador Production Co.
Well Name & Number: Garrett State COM #111H
Location: Eddy County, NM
API Number: 30-015-45819
Tie In Depth: Surface
Surveyed Depths: 198' – 12,390' MD
Projected TD Survey: 12,470' MD
Dates Performed: 05/15/2019 – 05/28/2019

RECEIVED

SEP 18 2019

DISTRICT 7 - ARTESIA O.C.D.

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

Digitally signed by:

MWD Surveyor Name: Marcus Lewis

Date: 07-02-2019

Email: Marcus.Lewis@msdir.com

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Company:		Matador Proudcion Co.										
Well Name:		Garrett State COM #111H										
Location:		Eddy County, NM										
Rig:		Patterson #282					Magnetic Declination:		6.81		REFERENCED TO GRID NORTH	
Job Number:		MSMO-58502										
API #:		30-015-45819										
Vertical Section Azimuth:				90.16		Proposed Direction:		90.16				
Survey Calculation Method:				Minimum Curvature								
PTB:	MD		INC		AZM	TVD	N/S		E/W		VS	
	12,470		91.8		90.6	7635.82	-338.87		4605.46		4606.39	
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance Azm		DLS/ 100	BUR/ 100'	
TIE IN	0	0.00	0.00	0.00	0.00	0.00		0.00				
1	198	0.60	330.40	198.00	0.90	-0.51	-0.51	1.04	330.40	0.30	0.30	
2	323	0.90	357.80	322.99	2.45	-0.87	-0.88	2.60	340.40	0.37	0.24	
3	506	1.60	1.10	505.94	6.44	-0.88	-0.90	6.50	352.23	0.38	0.38	
4	684	1.60	11.80	683.87	11.36	-0.32	-0.36	11.36	358.37	0.17	0.00	
5	867	2.90	353.10	866.73	18.46	-0.36	-0.41	18.46	358.89	0.81	0.71	
6	1,055	0.90	252.60	1054.65	22.74	-2.34	-2.40	22.86	354.13	1.70	-1.06	
7	1,243	3.10	223.20	1242.52	18.59	-7.23	-7.28	19.94	338.75	1.25	1.17	
8	1,431	6.00	221.20	1429.91	7.49	-17.18	-17.20	18.74	293.55	1.54	1.54	
9	1,620	7.00	230.60	1617.70	-7.25	-32.59	-32.57	33.39	257.45	0.77	0.53	
10	1,809	6.70	232.20	1805.35	-21.32	-50.20	-50.14	54.54	246.99	0.19	-0.16	
11	1,998	5.60	223.90	1993.26	-34.73	-65.31	-65.21	73.96	242.00	0.75	-0.58	
12	2,186	6.90	239.70	2180.16	-47.03	-81.42	-81.29	94.03	239.99	1.14	0.69	
13	2,374	6.50	247.00	2366.87	-56.89	-100.96	-100.80	115.89	240.60	0.50	-0.21	
14	2,563	6.70	246.30	2554.62	-65.50	-120.91	-120.72	137.51	241.55	0.11	0.11	
15	2,751	5.60	245.50	2741.54	-73.71	-139.30	-139.09	157.60	242.11	0.59	-0.59	
16	2,834	5.10	243.10	2824.18	-77.06	-146.27	-146.06	165.33	242.22	0.66	-0.60	
17	3,034	7.00	257.60	3023.06	-83.70	-166.10	-165.87	186.00	243.26	1.21	0.95	
18	3,223	7.50	255.60	3210.55	-89.24	-189.30	-189.05	209.28	244.76	0.30	0.26	
19	3,410	7.20	257.10	3396.02	-94.89	-212.54	-212.28	232.77	245.94	0.19	-0.16	
20	3,599	7.10	256.00	3583.55	-100.36	-235.42	-235.14	255.92	246.91	0.09	-0.05	
21	3,788	6.40	254.20	3771.24	-106.06	-256.89	-256.59	277.92	247.57	0.39	-0.37	
22	3,977	6.30	253.50	3959.08	-111.87	-276.97	-276.66	298.71	248.01	0.07	-0.05	
23	4,164	6.10	253.40	4144.98	-117.62	-296.33	-296.00	318.82	248.35	0.11	-0.11	
24	4,352	5.70	254.00	4331.99	-123.05	-314.88	-314.53	338.07	248.66	0.22	-0.21	
25	4,541	5.40	250.10	4520.10	-128.66	-332.26	-331.90	356.30	248.83	0.25	-0.16	
26	4,728	6.80	254.00	4706.04	-134.71	-351.18	-350.80	376.13	249.01	0.78	0.75	
27	4,916	7.40	253.90	4892.59	-141.14	-373.51	-373.11	399.28	249.30	0.32	0.32	
28	5,104	7.10	249.50	5079.09	-148.56	-396.02	-395.61	422.97	249.44	0.34	-0.16	
29	5,293	6.80	261.20	5266.71	-154.37	-418.02	-417.59	445.61	249.73	0.76	-0.16	
30	5,482	5.50	260.70	5454.62	-157.54	-438.02	-437.58	465.49	250.22	0.69	-0.69	
31	5,670	5.00	257.50	5641.83	-160.77	-454.91	-454.46	482.48	250.54	0.31	-0.27	
32	5,859	6.10	249.00	5829.95	-166.15	-472.33	-471.86	500.70	250.62	0.73	0.58	
33	6,047	5.70	248.80	6016.95	-173.11	-490.36	-489.87	520.01	250.56	0.21	-0.21	

Company:		Matador Prouduction Co.												
Well Name:		Garrett State COM #111H												
Location:		Eddy County, NM												
Rig:		Patterson #282				Magnetic Declination:		6.81		REFERENCED TO GRID NORTH				
Job Number:		MSMO-58502												
API #:		30-015-45819												
Vertical Section Azimuth:				90.16		Proposed Direction:		90.16						
Survey Calculation Method:				Minimum Curvature										
PTB:	MD		INC		AZM		TVD		N/S		E/W		VS	
	12,470		91.8		90.6		7635.82		-338.87		4605.46		4606.39	
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance		Azm	DLS/ 100	BUR/ 100'		
34	6,235	3.20	238.10	6204.37	-179.26	-503.52	-503.01	534.47	250.40	1.40	-1.33			
35	6,423	2.60	225.50	6392.13	-185.02	-511.01	-510.49	543.48	250.10	0.46	-0.32			
36	6,614	2.10	173.50	6582.99	-191.53	-513.71	-513.17	548.25	249.55	1.10	-0.26			
37	6,804	1.60	182.30	6772.89	-197.64	-513.42	-512.87	550.15	248.95	0.30	-0.26			
38	6,935	1.70	189.20	6903.84	-201.39	-513.80	-513.24	551.86	248.60	0.17	0.08			
39	7,016	2.00	101.10	6984.81	-202.85	-512.61	-512.04	551.28	248.41	3.19	0.37			
40	7,063	7.90	91.90	7031.61	-203.11	-508.57	-508.00	547.63	248.23	12.63	12.55			
41	7,110	13.10	87.30	7077.81	-202.97	-500.02	-499.45	539.64	247.91	11.20	11.06			
42	7,157	19.50	90.10	7122.90	-202.73	-486.84	-486.27	527.36	247.39	13.72	13.62			
43	7,204	22.00	97.70	7166.86	-203.92	-470.26	-469.69	512.58	246.56	7.81	5.32			
44	7,251	23.00	98.60	7210.28	-206.48	-452.46	-451.88	497.35	245.47	2.25	2.13			
45	7,298	26.00	102.80	7253.04	-210.13	-433.33	-432.74	481.59	244.13	7.38	6.38			
46	7,345	31.00	103.50	7294.34	-215.24	-411.50	-410.90	464.40	242.39	10.66	10.64			
47	7,392	36.60	105.40	7333.38	-221.80	-386.20	-385.58	445.36	240.13	12.12	11.91			
48	7,439	43.40	105.40	7369.36	-229.81	-357.10	-356.45	424.65	237.24	14.47	14.47			
49	7,486	49.20	103.00	7401.82	-238.11	-324.16	-323.50	402.22	233.70	12.88	12.34			
50	7,533	53.30	102.10	7431.23	-246.07	-288.39	-287.70	379.10	229.53	8.85	8.72			
51	7,579	57.10	101.60	7457.48	-253.82	-251.43	-250.72	357.27	224.73	8.31	8.26			
52	7,674	63.40	98.40	7504.61	-268.06	-170.25	-169.50	317.55	212.42	7.25	6.63			
53	7,769	72.20	99.30	7540.47	-281.60	-83.43	-82.64	293.70	196.50	9.30	9.26			
54	7,815	79.70	99.10	7551.63	-288.73	-39.41	-38.60	291.40	187.77	16.31	16.30			
55	7,863	82.90	98.70	7558.89	-296.07	7.46	8.29	296.16	178.56	6.72	6.67			
56	7,960	85.90	98.00	7568.35	-310.08	102.96	103.83	326.73	161.63	3.18	3.09			
57	8,054	88.20	96.50	7573.19	-321.93	196.08	196.98	376.94	148.66	2.92	2.45			
58	8,149	89.80	95.90	7574.85	-332.18	290.51	291.43	441.29	138.83	1.80	1.68			
59	8,242	90.40	96.50	7574.68	-342.23	382.96	383.92	513.59	131.79	0.91	0.65			
60	8,336	89.30	96.80	7574.93	-353.11	476.33	477.31	592.94	126.55	1.21	-1.17			
61	8,431	89.50	96.50	7575.93	-364.11	570.68	571.70	676.95	122.54	0.38	0.21			
62	8,525	88.80	95.10	7577.32	-373.61	664.19	665.23	762.06	119.36	1.67	-0.74			
63	8,619	86.80	91.20	7580.93	-378.77	757.95	759.01	847.33	116.55	4.66	-2.13			
64	8,714	87.00	88.10	7586.07	-378.20	852.80	853.85	932.90	113.92	3.27	0.21			
65	8,807	87.60	88.30	7590.45	-375.28	945.65	946.70	1017.39	111.65	0.68	0.65			
66	8,902	88.10	88.90	7594.01	-372.96	1040.56	1041.59	1105.37	109.72	0.82	0.53			
67	8,995	88.60	89.00	7596.69	-371.25	1133.50	1134.53	1192.75	108.14	0.55	0.54			



SURVEY CALCULATION PROGRAM

6/25/19 15:55

V09.04.02

Company:		Matador Prouduction Co.									
Well Name:		Garrett State COM #111H									
Location:		Eddy County, NM									
Rig:		Patterson #282				Magnetic Declination:		6.81		REFERENCED TO GRID NORTH	
Job Number:		MSMO-58502									
API #:		30-015-45819									
Vertical Section Azimuth:				90.16		Proposed Direction:		90.16			
Survey Calculation Method:				Minimum Curvature							
PTB:	MD	INC	AZM	TVD	N/S	E/W	VS				
	12,470	91.8	90.6	7635.82	-338.87	4605.46	4606.39				
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance	Azm	DLS/ 100	BUR/ 100'
68	9,090	87.70	87.20	7599.76	-368.11	1228.39	1229.42	1282.36	106.68	2.12	-0.95
69	9,185	87.60	88.20	7603.65	-364.30	1323.24	1324.25	1372.47	105.39	1.06	-0.11
70	9,278	87.80	88.80	7607.39	-361.87	1416.13	1417.13	1461.63	104.33	0.68	0.22
71	9,372	88.50	90.30	7610.42	-361.13	1510.07	1511.08	1552.66	103.45	1.76	0.74
72	9,467	88.90	90.00	7612.58	-361.38	1605.05	1606.05	1645.23	102.69	0.53	0.42
73	9,561	88.00	88.90	7615.12	-360.47	1699.01	1700.01	1736.83	101.98	1.51	-0.96
74	9,656	88.40	89.60	7618.10	-359.23	1793.95	1794.95	1829.57	101.32	0.85	0.42
75	9,750	88.90	89.00	7620.32	-358.08	1887.92	1888.91	1921.58	100.74	0.83	0.53
76	9,844	89.20	87.30	7621.88	-355.05	1981.85	1982.84	2013.41	100.16	1.84	0.32
77	9,939	89.70	87.20	7622.79	-350.49	2076.74	2077.71	2106.11	99.58	0.54	0.53
78	10,034	90.00	87.60	7623.04	-346.18	2171.64	2172.60	2199.06	99.06	0.53	0.32
79	10,128	90.60	87.50	7622.54	-342.16	2265.55	2266.50	2291.25	98.59	0.65	0.64
80	10,223	91.10	87.60	7621.14	-338.10	2360.46	2361.39	2384.55	98.15	0.54	0.53
81	10,317	91.00	87.60	7619.41	-334.17	2454.36	2455.28	2477.00	97.75	0.11	-0.11
82	10,411	90.60	87.80	7618.10	-330.40	2548.27	2549.18	2569.60	97.39	0.48	-0.43
83	10,506	90.10	89.20	7617.52	-327.91	2643.24	2644.14	2663.50	97.07	1.56	-0.53
84	10,600	90.40	91.00	7617.11	-328.07	2737.23	2738.14	2756.82	96.83	1.94	0.32
85	10,694	88.90	90.50	7617.68	-329.30	2831.22	2832.13	2850.30	96.63	1.68	-1.60
86	10,789	86.10	91.40	7621.83	-330.88	2926.10	2927.02	2944.75	96.45	3.10	-2.95
87	10,883	85.40	91.60	7628.79	-333.33	3019.81	3020.73	3038.15	96.30	0.77	-0.74
88	10,977	85.60	92.10	7636.17	-336.36	3113.47	3114.40	3131.59	96.17	0.57	0.21
89	11,071	86.00	92.00	7643.05	-339.71	3207.16	3208.10	3225.10	96.05	0.44	0.43
90	11,165	86.80	90.50	7648.96	-341.75	3300.95	3301.89	3318.59	95.91	1.81	0.85
91	11,259	87.70	89.60	7653.47	-341.84	3394.84	3395.78	3412.01	95.75	1.35	0.96
92	11,354	89.20	89.50	7656.04	-341.09	3489.80	3490.74	3506.43	95.58	1.58	1.58
93	11,449	89.30	89.40	7657.28	-340.18	3584.79	3585.72	3600.89	95.42	0.15	0.11
94	11,543	90.10	89.50	7657.77	-339.28	3678.78	3679.71	3694.39	95.27	0.86	0.85
95	11,638	90.80	89.50	7657.02	-338.45	3773.77	3774.70	3788.92	95.12	0.74	0.74
96	11,732	92.30	89.50	7654.48	-337.63	3867.73	3868.66	3882.44	94.99	1.60	1.60
97	11,825	90.70	89.70	7652.05	-336.98	3960.69	3961.62	3975.00	94.86	1.73	-1.72
98	11,919	91.10	90.10	7650.57	-336.81	4054.68	4055.61	4068.65	94.75	0.60	0.43
99	12,013	92.00	89.80	7648.03	-336.73	4148.65	4149.57	4162.29	94.64	1.01	0.96
100	12,108	92.10	89.80	7644.63	-336.40	4243.59	4244.51	4256.90	94.53	0.11	0.11
101	12,203	90.60	90.30	7642.39	-336.48	4338.56	4339.48	4351.59	94.43	1.66	-1.58

Company:		Matador Prouduction Co.									
Well Name:		Garrett State COM #111H									
Location:		Eddy County, NM									
Rig:		Patterson #282		Magnetic Declination:		6.81		REFERENCED TO GRID NORTH			
Job Number:		MSMO-58502									
API #:		30-015-45819									
Vertical Section Azimuth:				90.16		Proposed Direction:		90.16			
Survey Calculation Method:				Minimum Curvature							
PTB:	MD	INC	AZM	TVD	N/S	E/W	VS				
	12,470	91.8	90.6	7635.82	-338.87	4605.46	4606.39				
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance	Azm	DLS/ 100	BUR/ 100'
102	12,298	91.30	90.50	7640.82	-337.15	4433.54	4434.46	4446.34	94.35	0.77	0.74
103	12,390	91.80	90.60	7638.33	-338.03	4525.50	4526.43	4538.11	94.27	0.55	0.54
PTB:	12,470	91.80	90.60	7635.82	-338.87	4605.46	4606.39	4617.91	94.21	0.00	0.00