



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: DDMO-180338
Survey Type: MWD
Operating Company: Matador Production Company
Well Name & Number: Leslie FED COM 024H
Location: Eddy County, NM
API Number: 30-025-44331
Tie In Depth: Surface
Surveyed Depths: 110' – 13,710' MD
Projected TD Survey: 13,765' MD
Dates Performed: 04/02/2018 – 04/20/2018

HOBBS OCD
JAN 24 2019
RECEIVED

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: Nate LeBlanc

MWD Surveyor Name: Nate LeBlanc

Date: 04-30-2018

Email: nleblanc@msdir.com

CONFIDENTIALITY NOTICE: This document contains MS Directional's proprietary and confidential information and may not be copied, published, distributed or transmitted, in whole or in part, by any medium or in any form without MS Directional's prior written consent. The information contained in this document is not to be used by or disclosed to any individuals other than those who need to know such information and who have been given notice that such information is proprietary and confidential.

V09.04.02

Company:	Matador Production Company
Well Name:	Leslie FED COM 024H
Location:	Eddy County, NM
Rig:	Patterson #282
Job Number:	DDMO-180338
API #:	30-025-44331

Magnetic Declination: 6.35 REFERENCED TO GRID NORTH ▼

Vertical Section Azimuth: 359.49 Proposed Direction: 359.49

Survey Calculation Method: Minimum Curvature

PTB:	MD	INC	AZM	TVD	N/S	E/W	VS
	13,765	94.2	2.6	9014.75	4669	-426.53	4672.62

#	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	110	0.40	262.50	110.00	-0.05	-0.38	-0.05	0.38	262.50	0.36	0.36
2	285	0.60	42.80	285.00	0.54	-0.36	0.55	0.65	326.16	0.54	0.11
3	470	0.40	35.40	469.99	1.78	0.67	1.77	1.90	20.59	0.11	-0.11
4	651	0.40	28.40	650.98	2.85	1.33	2.84	3.15	25.10	0.03	0.00
5	834	0.90	260.40	833.98	3.17	0.22	3.17	3.18	4.00	0.65	0.27
6	960	1.80	248.80	959.94	2.29	-2.60	2.31	3.47	311.41	0.74	0.71
7	1,022	1.90	246.30	1021.91	1.53	-4.45	1.57	4.70	288.94	0.21	0.16
8	1,117	2.70	251.30	1116.83	0.18	-8.01	0.25	8.01	271.26	0.87	0.84
9	1,212	4.50	242.20	1211.64	-2.28	-13.43	-2.16	13.62	260.36	1.98	1.89
10	1,401	5.40	237.00	1399.94	-10.58	-27.44	-10.34	29.41	248.92	0.53	0.48
11	1,590	5.70	227.30	1588.05	-21.79	-41.80	-21.42	47.14	242.47	0.52	0.16
12	1,779	4.60	224.00	1776.29	-33.61	-53.96	-33.13	63.57	238.09	0.60	-0.58
13	1,967	4.40	224.10	1963.71	-44.21	-64.22	-43.64	77.96	235.46	0.11	-0.11
14	2,156	4.20	221.70	2152.18	-54.58	-73.87	-53.92	91.85	233.54	0.14	-0.11
15	2,345	4.20	225.90	2340.67	-64.57	-83.44	-63.82	105.51	232.27	0.16	0.00
16	2,535	3.90	233.20	2530.20	-73.28	-93.61	-72.44	118.88	231.95	0.31	-0.16
17	2,723	4.30	237.50	2717.71	-80.90	-104.68	-79.96	132.29	232.30	0.27	0.21
18	2,912	4.20	235.00	2906.20	-88.67	-116.32	-87.63	146.27	232.68	0.11	-0.05
19	3,101	4.20	230.90	3094.69	-97.01	-127.36	-95.87	160.10	232.70	0.16	0.00
20	3,291	4.10	228.40	3284.19	-105.91	-137.84	-104.67	173.83	232.46	0.11	-0.05
21	3,480	3.90	235.30	3472.73	-114.05	-148.18	-112.73	186.99	232.42	0.28	-0.11
22	3,670	3.30	240.10	3662.36	-120.45	-158.23	-119.04	198.86	232.72	0.35	-0.32
23	3,860	3.50	231.90	3852.02	-126.76	-167.54	-125.26	210.09	232.89	0.28	0.11
24	4,049	4.30	234.30	4040.58	-134.45	-177.83	-132.87	222.94	232.91	0.43	0.42
25	4,238	5.00	232.10	4228.96	-143.65	-190.08	-141.95	238.26	232.92	0.38	0.37
26	4,426	4.50	231.20	4416.31	-153.30	-202.29	-151.50	253.82	232.84	0.27	-0.27
27	4,616	3.60	209.10	4605.85	-163.19	-211.01	-161.30	266.74	232.28	0.94	-0.47
28	4,805	3.90	224.50	4794.45	-172.95	-218.40	-171.00	278.59	231.62	0.55	0.16
29	4,994	4.10	211.90	4982.99	-183.28	-226.47	-181.25	291.34	231.02	0.48	0.11
30	5,183	4.00	212.60	5171.52	-194.56	-233.59	-192.48	304.01	230.21	0.06	-0.05
31	5,372	3.70	211.90	5360.09	-205.30	-240.37	-203.15	316.11	229.50	0.16	-0.16
32	5,557	3.90	209.60	5544.69	-215.83	-246.63	-213.63	327.74	228.81	0.14	0.11
33	5,671	3.60	210.40	5658.44	-222.29	-250.36	-220.05	334.80	228.40	0.27	-0.26

Company:		Matador Production Company												
Well Name:		Leslie FED COM 024H												
Location:		Eddy County, NM												
Rig:		Patterson #282					Magnetic Declination:		6.35		REFERENCED TO GRID NORTH			
Job Number:		DDMO-180338												
API #:		30-025-44331												
Vertical Section Azimuth:				359.49		Proposed Direction:		359.49						
Survey Calculation Method:				Minimum Curvature										
PTB:	MD		INC		AZM		TVD		N/S		E/W		VS	
	13,765		94.2		2.6		9014.75		4669		-426.53		4672.62	
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure		DLS/ 100	BUR/ 100'			
34	5,861	3.80	227.20	5848.05	-231.71	-257.99	-229.41	346.78	228.07	0.58	0.11			
35	6,049	5.70	245.70	6035.41	-239.79	-271.08	-237.37	361.91	228.50	1.29	1.01			
36	6,238	5.30	246.20	6223.54	-247.18	-287.62	-244.61	379.24	229.32	0.21	-0.21			
37	6,426	5.50	234.20	6410.71	-255.95	-302.87	-253.24	396.54	229.80	0.61	0.11			
38	6,614	5.80	233.20	6597.80	-266.91	-317.78	-264.07	415.00	229.97	0.17	0.16			
39	6,804	6.00	234.20	6786.79	-278.47	-333.52	-275.49	434.49	230.14	0.12	0.11			
40	6,994	4.50	233.10	6975.99	-288.75	-347.54	-285.65	451.84	230.28	0.79	-0.79			
41	7,183	4.00	236.00	7164.47	-296.89	-358.93	-293.69	465.81	230.40	0.29	-0.26			
42	7,373	4.20	234.40	7353.98	-304.65	-370.09	-301.34	479.35	230.54	0.12	0.11			
43	7,561	4.20	232.40	7541.48	-312.86	-381.14	-309.45	493.10	230.62	0.08	0.00			
44	7,749	4.00	232.10	7728.99	-321.08	-391.77	-317.59	506.53	230.66	0.11	-0.11			
45	7,936	2.90	233.40	7915.65	-327.91	-400.71	-324.33	517.78	230.71	0.59	-0.59			
46	8,030	2.80	226.30	8009.54	-330.92	-404.28	-327.30	522.44	230.70	0.39	-0.11			
47	8,125	2.50	223.90	8104.43	-334.01	-407.39	-330.37	526.81	230.65	0.34	-0.32			
48	8,220	2.40	227.80	8199.35	-336.84	-410.30	-333.18	530.86	230.62	0.20	-0.11			
49	8,316	1.70	264.70	8295.29	-338.32	-413.21	-334.63	534.05	230.69	1.52	-0.73			
50	8,344	1.70	270.90	8323.28	-338.35	-414.04	-334.66	534.71	230.74	0.66	0.00			
51	8,433	4.80	346.00	8412.15	-334.72	-416.26	-331.00	534.15	231.20	5.24	3.48			
52	8,478	11.50	355.90	8456.67	-328.41	-417.04	-324.69	530.82	231.78	15.16	14.89			
53	8,528	17.40	3.50	8505.07	-315.96	-416.94	-312.24	523.14	232.84	12.37	11.80			
54	8,575	21.00	4.20	8549.45	-300.55	-415.89	-296.83	513.12	234.15	7.68	7.66			
55	8,623	25.00	3.90	8593.63	-281.84	-414.57	-278.14	501.30	235.79	8.34	8.33			
56	8,670	28.70	3.90	8635.55	-260.67	-413.13	-256.98	488.49	237.75	7.87	7.87			
57	8,718	30.50	3.60	8677.29	-237.01	-411.58	-233.34	474.94	240.06	3.76	3.75			
58	8,765	32.50	4.10	8717.36	-212.51	-409.93	-208.85	461.74	242.60	4.29	4.26			
59	8,812	34.40	3.20	8756.57	-186.66	-408.28	-183.01	448.93	245.43	4.18	4.04			
60	8,859	37.30	2.00	8794.67	-159.16	-407.05	-155.53	437.06	248.64	6.35	6.17			
61	8,906	41.90	0.60	8830.87	-129.22	-406.38	-125.60	426.43	252.36	9.97	9.79			
62	8,953	45.60	0.50	8864.82	-96.73	-406.07	-93.11	417.43	256.60	7.87	7.87			
63	9,002	50.30	1.30	8897.63	-60.36	-405.49	-56.74	409.96	261.53	9.67	9.59			
64	9,049	54.30	1.90	8926.36	-23.19	-404.45	-19.59	405.11	266.72	8.57	8.51			
65	9,097	59.50	2.60	8952.57	16.97	-402.86	20.56	403.22	272.41	10.90	10.83			
66	9,144	65.90	3.30	8974.11	58.66	-400.71	62.23	404.98	278.33	13.68	13.62			
67	9,191	70.60	3.40	8991.52	102.23	-398.16	105.77	411.07	284.40	10.00	10.00			

V09.04.02

Company:	Matador Production Company		
Well Name:	Leslie FED COM 024H		
Location:	Eddy County, NM		
Rig:	Patterson #282	Magnetic Declination:	6.35
Job Number:	DDMO-180338		
API #:	30-025-44331		

Vertical Section Azimuth:	359.49	Proposed Direction:	359.49
---------------------------	--------	---------------------	--------

Survey Calculation Method:	Minimum Curvature
----------------------------	-------------------

PTB:	MD	INC	AZM	TVD	N/S	E/W	VS
	13,765	94.2	2.6	9014.75	4669	-426.53	4672.62

#	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	9,238	76.70	1.10	9004.75	147.27	-396.40	150.79	422.87	290.38	13.80	12.98
69	9,285	81.50	359.80	9013.63	193.41	-396.04	196.92	440.75	296.03	10.57	10.21
70	9,378	85.80	359.50	9023.92	285.81	-396.61	289.33	488.86	305.78	4.63	4.62
71	9,456	86.50	359.70	9029.16	363.63	-397.15	367.15	538.48	312.48	0.93	0.90
72	9,551	89.10	359.80	9032.80	458.55	-397.57	462.07	606.90	319.07	2.74	2.74
73	9,645	90.40	359.90	9033.21	552.55	-397.81	556.07	680.86	324.25	1.39	1.38
74	9,740	91.60	0.40	9031.55	647.53	-397.56	651.05	759.84	328.45	1.37	1.26
75	9,834	92.30	1.40	9028.36	741.47	-396.09	744.96	840.63	331.89	1.30	0.74
76	9,929	92.20	2.10	9024.63	836.35	-393.19	839.81	924.16	334.82	0.74	-0.11
77	10,024	90.40	1.10	9022.47	931.28	-390.54	934.72	1009.85	337.25	2.17	-1.89
78	10,119	89.00	358.70	9022.97	1026.27	-390.70	1029.71	1098.13	339.16	2.92	-1.47
79	10,213	89.20	357.70	9024.44	1120.21	-393.66	1123.67	1187.37	340.64	1.08	0.21
80	10,307	90.50	357.60	9024.69	1214.13	-397.51	1217.62	1277.55	341.87	1.39	1.38
81	10,402	89.20	357.70	9024.94	1309.05	-401.41	1312.57	1369.21	342.95	1.37	-1.37
82	10,495	89.50	357.60	9025.99	1401.96	-405.22	1405.51	1459.35	343.88	0.34	0.32
83	10,590	89.30	357.70	9026.99	1496.88	-409.11	1500.46	1551.78	344.71	0.24	-0.21
84	10,685	89.10	357.60	9028.32	1591.79	-413.01	1595.40	1644.50	345.45	0.24	-0.21
85	10,780	88.90	358.00	9029.97	1686.70	-416.66	1690.35	1737.40	346.12	0.47	-0.21
86	10,874	89.30	357.80	9031.45	1780.63	-420.10	1784.30	1829.51	346.73	0.48	0.43
87	10,969	89.20	357.70	9032.69	1875.55	-423.83	1879.25	1922.84	347.27	0.15	-0.11
88	11,064	89.00	357.60	9034.19	1970.46	-427.72	1974.19	2016.34	347.75	0.24	-0.21
89	11,159	88.60	357.40	9036.18	2065.34	-431.87	2069.11	2110.01	348.19	0.47	-0.42
90	11,254	89.40	357.40	9037.83	2160.23	-436.18	2164.03	2203.83	348.58	0.84	0.84
91	11,349	89.10	357.60	9039.08	2255.13	-440.32	2258.96	2297.72	348.95	0.38	-0.32
92	11,443	88.80	357.30	9040.80	2349.02	-444.50	2352.89	2390.71	349.28	0.45	-0.32
93	11,537	89.80	358.40	9041.95	2442.95	-448.03	2446.84	2483.69	349.61	1.58	1.06
94	11,630	89.90	358.50	9042.19	2535.91	-450.54	2539.82	2575.63	349.93	0.15	0.11
95	11,725	90.00	358.40	9042.27	2630.88	-453.11	2634.81	2669.61	350.23	0.15	0.11
96	11,819	89.90	359.80	9042.36	2724.86	-454.59	2728.80	2762.52	350.53	1.49	-0.11
97	11,914	89.50	0.40	9042.85	2819.86	-454.42	2823.80	2856.24	350.85	0.76	-0.42
98	12,009	89.70	0.90	9043.52	2914.85	-453.34	2918.77	2949.90	351.16	0.57	0.21
99	12,103	90.40	2.40	9043.44	3008.81	-450.64	3012.70	3042.37	351.48	1.76	0.74
100	12,198	88.30	359.80	9044.51	3103.77	-448.81	3107.65	3136.06	351.77	3.52	-2.21
101	12,292	90.90	358.90	9045.17	3197.76	-449.88	3201.63	3229.25	351.99	2.93	2.77

V09.04.02

Company:	Matador Production Company													
Well Name:	Leslie FED COM 024H													
Location:	Eddy County, NM													
Rig:	Patterson #282					Magnetic Declination:	6.35	REFERENCED TO GRID NORTH						
Job Number:	DDMO-180338													
API #:	30-025-44331													
Vertical Section Azimuth:				359.49		Proposed Direction:		359.49						
Survey Calculation Method:				Minimum Curvature										
PTB:	MD		INC		AZM		TVD		N/S		E/W		VS	
	13,765		94.2		2.6		9014.75		4669		-426.53		4672.62	
#	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	12,386	93.70	358.50	9041.40	3291.65	-452.01	3295.54	3322.54	352.18	3.01	2.98			
103	12,480	93.30	359.20	9035.66	3385.45	-453.89	3389.36	3415.74	352.36	0.86	-0.43			
104	12,574	94.60	359.20	9029.18	3479.22	-455.20	3483.13	3508.87	352.55	1.38	1.38			
105	12,668	93.30	0.50	9022.71	3572.99	-455.45	3576.90	3601.90	352.74	1.95	-1.38			
106	12,763	89.80	1.00	9020.14	3667.93	-454.20	3671.83	3695.95	352.94	3.72	-3.68			
107	12,857	88.10	0.90	9021.86	3761.90	-452.65	3765.78	3789.03	353.14	1.81	-1.81			
108	12,952	89.50	0.90	9023.85	3856.87	-451.15	3860.73	3883.16	353.33	1.47	1.47			
109	13,046	88.20	1.00	9025.74	3950.83	-449.60	3954.68	3976.33	353.51	1.39	-1.38			
110	13,140	88.70	1.00	9028.28	4044.78	-447.96	4048.61	4069.51	353.68	0.53	0.53			
111	13,234	90.40	1.10	9029.02	4138.76	-446.23	4142.57	4162.75	353.85	1.81	1.81			
112	13,329	91.20	0.60	9027.69	4233.74	-444.82	4237.53	4257.04	354.00	0.99	0.84			
113	13,423	89.80	2.60	9026.87	4327.69	-442.20	4331.46	4350.23	354.17	2.60	-1.49			
114	13,518	90.80	2.60	9026.37	4422.59	-437.89	4426.31	4444.22	354.35	1.05	1.05			
115	13,612	92.00	2.70	9024.08	4516.46	-433.55	4520.14	4537.22	354.52	1.28	1.28			
116	13,710	94.20	2.60	9018.78	4614.21	-429.02	4617.84	4634.11	354.69	2.25	2.24			
PTB:	13,765	94.20	2.60	9014.75	4669.00	-426.53	4672.62	4688.45	354.78	0.00	0.00			



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: DDMO-180338
Survey Type: MWD
Operating Company: Matador Production Company
Well Name & Number: Leslie FED COM 024H
Location: Eddy County, NM
API Number: 30-025-44331
Tie In Depth: Surface
Surveyed Depths: 110' – 13,710' MD
Projected TD Survey: 13,765' MD
Dates Performed: 04/02/2018 – 04/20/2018

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: Nathan LeBlanc

MWD Surveyor Name: Nate LeBlanc

Date: 04-30-2018

Email: nleblanc@msdir.com

CONFIDENTIALITY NOTICE: This document contains MS Directional's proprietary and confidential information and may not be copied, published, distributed or transmitted, in whole or in part, by any medium or in any form without MS Directional's prior written consent. The information contained in this document is not to be used by or disclosed to any individuals other than those who need to know such information and who have been given notice that such information is proprietary and confidential.

Company:		Matador Production Company													
Well Name:		Leslie FED COM 024H													
Location:		Eddy County, NM													
Rig:		Patterson #282						Magnetic Declination:		6.35			REFERENCED TO GRID NORTH		▼
Job Number:		DDMO-180338													
API #:		30-025-44331													
Vertical Section Azimuth:				359.49			Proposed Direction:		359.49						
Survey Calculation Method:				Minimum Curvature											
PTB:	MD		INC		AZM		TVD		N/S		E/W		VS		
	13,765		94.2		2.6		9014.75		4669		-426.53		4672.62		
#	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	110	0.40	262.50	110.00	-0.05	-0.38	-0.05	0.38	262.50	0.36	0.36				
2	285	0.60	42.80	285.00	0.54	-0.36	0.55	0.65	326.16	0.54	0.11				
3	470	0.40	35.40	469.99	1.78	0.67	1.77	1.90	20.59	0.11	-0.11				
4	651	0.40	28.40	650.98	2.85	1.33	2.84	3.15	25.10	0.03	0.00				
5	834	0.90	260.40	833.98	3.17	0.22	3.17	3.18	4.00	0.65	0.27				
6	960	1.80	248.80	959.94	2.29	-2.60	2.31	3.47	311.41	0.74	0.71				
7	1,022	1.90	246.30	1021.91	1.53	-4.45	1.57	4.70	288.94	0.21	0.16				
8	1,117	2.70	251.30	1116.83	0.18	-8.01	0.25	8.01	271.26	0.87	0.84				
9	1,212	4.50	242.20	1211.64	-2.28	-13.43	-2.16	13.62	260.36	1.98	1.89				
10	1,401	5.40	237.00	1399.94	-10.58	-27.44	-10.34	29.41	248.92	0.53	0.48				
11	1,590	5.70	227.30	1588.05	-21.79	-41.80	-21.42	47.14	242.47	0.52	0.16				
12	1,779	4.60	224.00	1776.29	-33.61	-53.96	-33.13	63.57	238.09	0.60	-0.58				
13	1,967	4.40	224.10	1963.71	-44.21	-64.22	-43.64	77.96	235.46	0.11	-0.11				
14	2,156	4.20	221.70	2152.18	-54.58	-73.87	-53.92	91.85	233.54	0.14	-0.11				
15	2,345	4.20	225.90	2340.67	-64.57	-83.44	-63.82	105.51	232.27	0.16	0.00				
16	2,535	3.90	233.20	2530.20	-73.28	-93.61	-72.44	118.88	231.95	0.31	-0.16				
17	2,723	4.30	237.50	2717.71	-80.90	-104.68	-79.96	132.29	232.30	0.27	0.21				
18	2,912	4.20	235.00	2906.20	-88.67	-116.32	-87.63	146.27	232.68	0.11	-0.05				
19	3,101	4.20	230.90	3094.69	-97.01	-127.36	-95.87	160.10	232.70	0.16	0.00				
20	3,291	4.10	228.40	3284.19	-105.91	-137.84	-104.67	173.83	232.46	0.11	-0.05				
21	3,480	3.90	235.30	3472.73	-114.05	-148.18	-112.73	186.99	232.42	0.28	-0.11				
22	3,670	3.30	240.10	3662.36	-120.45	-158.23	-119.04	198.86	232.72	0.35	-0.32				
23	3,860	3.50	231.90	3852.02	-126.76	-167.54	-125.26	210.09	232.89	0.28	0.11				
24	4,049	4.30	234.30	4040.58	-134.45	-177.83	-132.87	222.94	232.91	0.43	0.42				
25	4,238	5.00	232.10	4228.96	-143.65	-190.08	-141.95	238.26	232.92	0.38	0.37				
26	4,426	4.50	231.20	4416.31	-153.30	-202.29	-151.50	253.82	232.84	0.27	-0.27				
27	4,616	3.60	209.10	4605.85	-163.19	-211.01	-161.30	266.74	232.28	0.94	-0.47				
28	4,805	3.90	224.50	4794.45	-172.95	-218.40	-171.00	278.59	231.62	0.55	0.16				
29	4,994	4.10	211.90	4982.99	-183.28	-226.47	-181.25	291.34	231.02	0.48	0.11				
30	5,183	4.00	212.60	5171.52	-194.56	-233.59	-192.48	304.01	230.21	0.06	-0.05				
31	5,372	3.70	211.90	5360.09	-205.30	-240.37	-203.15	316.11	229.50	0.16	-0.16				
32	5,557	3.90	209.60	5544.69	-215.83	-246.63	-213.63	327.74	228.81	0.14	0.11				
33	5,671	3.60	210.40	5658.44	-222.29	-250.36	-220.05	334.80	228.40	0.27	-0.26				

Company:		Matador Production Company												
Well Name:		Leslie FED COM 024H												
Location:		Eddy County, NM												
Rig:		Patterson #282					Magnetic Declination:		6.35		REFERENCED TO GRID NORTH			
Job Number:		DDMO-180338												
API #:		30-025-44331												
Vertical Section Azimuth:		359.49					Proposed Direction:		359.49					
Survey Calculation Method:		Minimum Curvature												
PTB:	MD		INC		AZM		TVD		N/S		E/W		VS	
	13,765		94.2		2.6		9014.75		4669		-426.53		4672.62	
#	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	5,861	3.80	227.20	5848.05	-231.71	-257.99	-229.41	346.78	228.07	0.58	0.11			
35	6,049	5.70	245.70	6035.41	-239.79	-271.08	-237.37	361.91	228.50	1.29	1.01			
36	6,238	5.30	246.20	6223.54	-247.18	-287.62	-244.61	379.24	229.32	0.21	-0.21			
37	6,426	5.50	234.20	6410.71	-255.95	-302.87	-253.24	396.54	229.80	0.61	0.11			
38	6,614	5.80	233.20	6597.80	-266.91	-317.78	-264.07	415.00	229.97	0.17	0.16			
39	6,804	6.00	234.20	6786.79	-278.47	-333.52	-275.49	434.49	230.14	0.12	0.11			
40	6,994	4.50	233.10	6975.99	-288.75	-347.54	-285.65	451.84	230.28	0.79	-0.79			
41	7,183	4.00	236.00	7164.47	-296.89	-358.93	-293.69	465.81	230.40	0.29	-0.26			
42	7,373	4.20	234.40	7353.98	-304.65	-370.09	-301.34	479.35	230.54	0.12	0.11			
43	7,561	4.20	232.40	7541.48	-312.86	-381.14	-309.45	493.10	230.62	0.08	0.00			
44	7,749	4.00	232.10	7728.99	-321.08	-391.77	-317.59	506.53	230.66	0.11	-0.11			
45	7,936	2.90	233.40	7915.65	-327.91	-400.71	-324.33	517.78	230.71	0.59	-0.59			
46	8,030	2.80	226.30	8009.54	-330.92	-404.28	-327.30	522.44	230.70	0.39	-0.11			
47	8,125	2.50	223.90	8104.43	-334.01	-407.39	-330.37	526.81	230.65	0.34	-0.32			
48	8,220	2.40	227.80	8199.35	-336.84	-410.30	-333.18	530.86	230.62	0.20	-0.11			
49	8,316	1.70	264.70	8295.29	-338.32	-413.21	-334.63	534.05	230.69	1.52	-0.73			
50	8,344	1.70	270.90	8323.28	-338.35	-414.04	-334.66	534.71	230.74	0.66	0.00			
51	8,433	4.80	346.00	8412.15	-334.72	-416.26	-331.00	534.15	231.20	5.24	3.48			
52	8,478	11.50	355.90	8456.67	-328.41	-417.04	-324.69	530.82	231.78	15.16	14.89			
53	8,528	17.40	3.50	8505.07	-315.96	-416.94	-312.24	523.14	232.84	12.37	11.80			
54	8,575	21.00	4.20	8549.45	-300.55	-415.89	-296.83	513.12	234.15	7.68	7.66			
55	8,623	25.00	3.90	8593.63	-281.84	-414.57	-278.14	501.30	235.79	8.34	8.33			
56	8,670	28.70	3.90	8635.55	-260.67	-413.13	-256.98	488.49	237.75	7.87	7.87			
57	8,718	30.50	3.60	8677.29	-237.01	-411.58	-233.34	474.94	240.06	3.76	3.75			
58	8,765	32.50	4.10	8717.36	-212.51	-409.93	-208.85	461.74	242.60	4.29	4.26			
59	8,812	34.40	3.20	8756.57	-186.66	-408.28	-183.01	448.93	245.43	4.18	4.04			
60	8,859	37.30	2.00	8794.67	-159.16	-407.05	-155.53	437.06	248.64	6.35	6.17			
61	8,906	41.90	0.60	8830.87	-129.22	-406.38	-125.60	426.43	252.36	9.97	9.79			
62	8,953	45.60	0.50	8864.82	-96.73	-406.07	-93.11	417.43	256.60	7.87	7.87			
63	9,002	50.30	1.30	8897.63	-60.36	-405.49	-56.74	409.96	261.53	9.67	9.59			
64	9,049	54.30	1.90	8926.36	-23.19	-404.45	-19.59	405.11	266.72	8.57	8.51			
65	9,097	59.50	2.60	8952.57	16.97	-402.86	20.56	403.22	272.41	10.90	10.83			
66	9,144	65.90	3.30	8974.11	58.66	-400.71	62.23	404.98	278.33	13.68	13.62			
67	9,191	70.60	3.40	8991.52	102.23	-398.16	105.77	411.07	284.40	10.00	10.00			

Company:		Matador Production Company									
Well Name:		Leslie FED COM 024H									
Location:		Eddy County, NM									
Rig:		Patterson #282				Magnetic Declination:		6.35		REFERENCED TO GRID NORTH ▼	
Job Number:		DDMO-180338									
API #:		30-025-44331									
Vertical Section Azimuth:		359.49				Proposed Direction:		359.49			
Survey Calculation Method:		Minimum Curvature									
PTB:	MD	INC		AZM		TVD	N/S	E/W		VS	
	13,765	94.2		2.6		9014.75	4669	-426.53		4672.62	
#	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	9,238	76.70	1.10	9004.75	147.27	-396.40	150.79	422.87	290.38	13.80	12.98
69	9,285	81.50	359.80	9013.63	193.41	-396.04	196.92	440.75	296.03	10.57	10.21
70	9,378	85.80	359.50	9023.92	285.81	-396.61	289.33	488.86	305.78	4.63	4.62
71	9,456	86.50	359.70	9029.16	363.63	-397.15	367.15	538.48	312.48	0.93	0.90
72	9,551	89.10	359.80	9032.80	458.55	-397.57	462.07	606.90	319.07	2.74	2.74
73	9,645	90.40	359.90	9033.21	552.55	-397.81	556.07	680.86	324.25	1.39	1.38
74	9,740	91.60	0.40	9031.55	647.53	-397.56	651.05	759.84	328.45	1.37	1.26
75	9,834	92.30	1.40	9028.36	741.47	-396.09	744.96	840.63	331.89	1.30	0.74
76	9,929	92.20	2.10	9024.63	836.35	-393.19	839.81	924.16	334.82	0.74	-0.11
77	10,024	90.40	1.10	9022.47	931.28	-390.54	934.72	1009.85	337.25	2.17	-1.89
78	10,119	89.00	358.70	9022.97	1026.27	-390.70	1029.71	1098.13	339.16	2.92	-1.47
79	10,213	89.20	357.70	9024.44	1120.21	-393.66	1123.67	1187.37	340.64	1.08	0.21
80	10,307	90.50	357.60	9024.69	1214.13	-397.51	1217.62	1277.55	341.87	1.39	1.38
81	10,402	89.20	357.70	9024.94	1309.05	-401.41	1312.57	1369.21	342.95	1.37	-1.37
82	10,495	89.50	357.60	9025.99	1401.96	-405.22	1405.51	1459.35	343.88	0.34	0.32
83	10,590	89.30	357.70	9026.99	1496.88	-409.11	1500.46	1551.78	344.71	0.24	-0.21
84	10,685	89.10	357.60	9028.32	1591.79	-413.01	1595.40	1644.50	345.45	0.24	-0.21
85	10,780	88.90	358.00	9029.97	1686.70	-416.66	1690.35	1737.40	346.12	0.47	-0.21
86	10,874	89.30	357.80	9031.45	1780.63	-420.10	1784.30	1829.51	346.73	0.48	0.43
87	10,969	89.20	357.70	9032.69	1875.55	-423.83	1879.25	1922.84	347.27	0.15	-0.11
88	11,064	89.00	357.60	9034.19	1970.46	-427.72	1974.19	2016.34	347.75	0.24	-0.21
89	11,159	88.60	357.40	9036.18	2065.34	-431.87	2069.11	2110.01	348.19	0.47	-0.42
90	11,254	89.40	357.40	9037.83	2160.23	-436.18	2164.03	2203.83	348.58	0.84	0.84
91	11,349	89.10	357.60	9039.08	2255.13	-440.32	2258.96	2297.72	348.95	0.38	-0.32
92	11,443	88.80	357.30	9040.80	2349.02	-444.50	2352.89	2390.71	349.28	0.45	-0.32
93	11,537	89.80	358.40	9041.95	2442.95	-448.03	2446.84	2483.69	349.61	1.58	1.06
94	11,630	89.90	358.50	9042.19	2535.91	-450.54	2539.82	2575.63	349.93	0.15	0.11
95	11,725	90.00	358.40	9042.27	2630.88	-453.11	2634.81	2669.61	350.23	0.15	0.11
96	11,819	89.90	359.80	9042.36	2724.86	-454.59	2728.80	2762.52	350.53	1.49	-0.11
97	11,914	89.50	0.40	9042.85	2819.86	-454.42	2823.80	2856.24	350.85	0.76	-0.42
98	12,009	89.70	0.90	9043.52	2914.85	-453.34	2918.77	2949.90	351.16	0.57	0.21
99	12,103	90.40	2.40	9043.44	3008.81	-450.64	3012.70	3042.37	351.48	1.76	0.74
100	12,198	88.30	359.80	9044.51	3103.77	-448.81	3107.65	3136.06	351.77	3.52	-2.21
101	12,292	90.90	358.90	9045.17	3197.76	-449.88	3201.63	3229.25	351.99	2.93	2.77

Company:		Matador Production Company									
Well Name:		Leslie FED COM 024H									
Location:		Eddy County, NM									
Rig:		Patterson #282	Magnetic Declination: 6.35 REFERENCED TO GRID NORTH								
Job Number:		DDMO-180338									
API #:		30-025-44331									
Vertical Section Azimuth:		359.49	Proposed Direction: 359.49								
Survey Calculation Method:		Minimum Curvature									
PTB:	MD	INC	AZM								
	13,765	94.2	2.6								
			TVD								
			9014.75								
			N/S								
			4669								
			E/W								
			-426.53								
			VS								
			4672.62								
#	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	12,386	93.70	358.50	9041.40	3291.65	-452.01	3295.54	3322.54	352.18	3.01	2.98
103	12,480	93.30	359.20	9035.66	3385.45	-453.89	3389.36	3415.74	352.36	0.86	-0.43
104	12,574	94.60	359.20	9029.18	3479.22	-455.20	3483.13	3508.87	352.55	1.38	1.38
105	12,668	93.30	0.50	9022.71	3572.99	-455.45	3576.90	3601.90	352.74	1.95	-1.38
106	12,763	89.80	1.00	9020.14	3667.93	-454.20	3671.83	3695.95	352.94	3.72	-3.68
107	12,857	88.10	0.90	9021.86	3761.90	-452.65	3765.78	3789.03	353.14	1.81	-1.81
108	12,952	89.50	0.90	9023.85	3856.87	-451.15	3860.73	3883.16	353.33	1.47	1.47
109	13,046	88.20	1.00	9025.74	3950.83	-449.60	3954.68	3976.33	353.51	1.39	-1.38
110	13,140	88.70	1.00	9028.28	4044.78	-447.96	4048.61	4069.51	353.68	0.53	0.53
111	13,234	90.40	1.10	9029.02	4138.76	-446.23	4142.57	4162.75	353.85	1.81	1.81
112	13,329	91.20	0.60	9027.69	4233.74	-444.82	4237.53	4257.04	354.00	0.99	0.84
113	13,423	89.80	2.60	9026.87	4327.69	-442.20	4331.46	4350.23	354.17	2.60	-1.49
114	13,518	90.80	2.60	9026.37	4422.59	-437.89	4426.31	4444.22	354.35	1.05	1.05
115	13,612	92.00	2.70	9024.08	4516.46	-433.55	4520.14	4537.22	354.52	1.28	1.28
116	13,710	94.20	2.60	9018.78	4614.21	-429.02	4617.84	4634.11	354.69	2.25	2.24
PTB:	13,765	94.20	2.60	9014.75	4669.00	-426.53	4672.62	4688.45	354.78	0.00	0.00