



Company: Matador Resources
Well: Leslie Fed Com #202H
County: Lea County, New Mexico (NAD 27)
Rig: Patterson 282
Wellbore: Wellbore #1
Design: Design #2
Created By: SAR
Date: 11:31, April 22 2019

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

To convert a Magnetic Direction to a Grid Direction, Add 6.264°
To convert a Magnetic Direction to a True Direction, Add 6.764° East
To convert a True Direction to a Grid Direction, Subtract 0.500°

SURVEY PROGRAM

Depth From	Depth To	Survey/Plan	Tool
199.00	886.00	MS MWD (Wellbore #1)	MWD
886.00	17634.09	Design #2 (Wellbore #1)	MWD

WELL DETAILS: Leslie Fed Com #202H

GL @ 3312.00	WELL @ 3340.50usft (Patterson 282)	Latitude	Longitude
Northing	Easting	32° 7' 23.345 N	103° 23' 23.595 W
410038.98	790871.25		

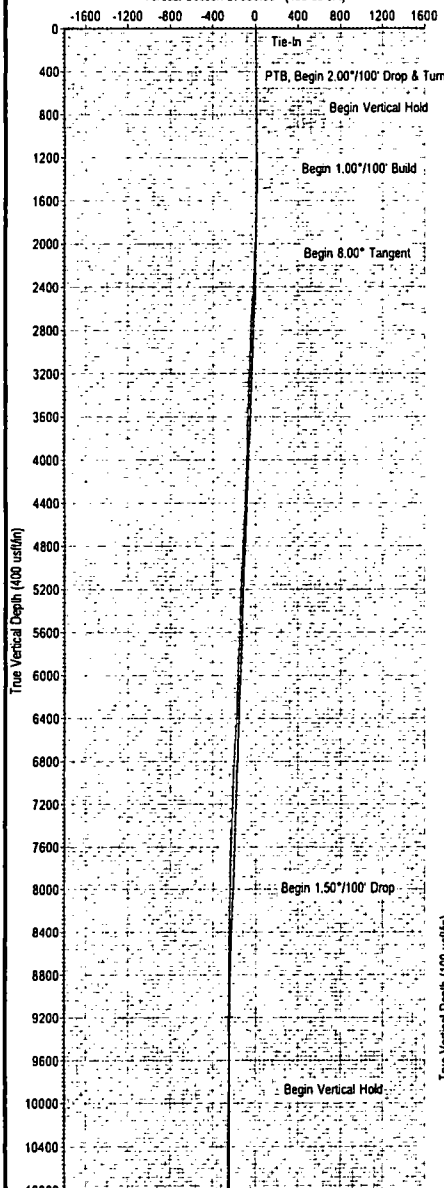
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
VP v2 - Leslie Fed Com #202H	9195.00	-237.48	959.94	409801.50	791831.20	32° 7' 23.345 N	103° 23' 26.458 W
1000' VS v2 - Leslie Fed Com #202H	12668.00	1007.49	950.17	411046.47	791821.43	32° 7' 35.665 N	103° 23' 26.445 W
1500' VS v2 - Leslie Fed Com #202H	12663.64	1507.48	946.25	411546.46	791817.51	32° 7' 40.613 N	103° 23' 26.440 W
PBHL v2 - Leslie Fed Com #202H	12604.58	4890.75	919.71	414929.73	791790.96	32° 8' 14.093 N	103° 23' 26.404 W

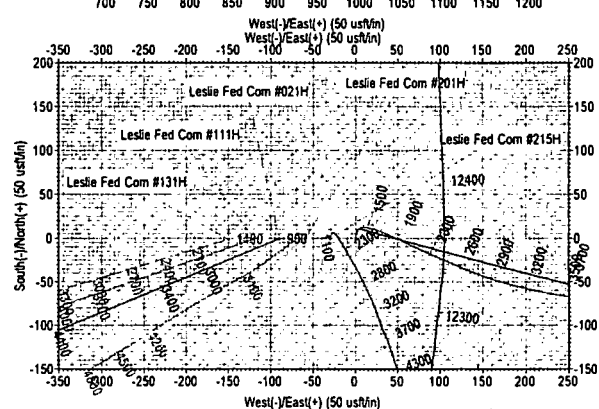
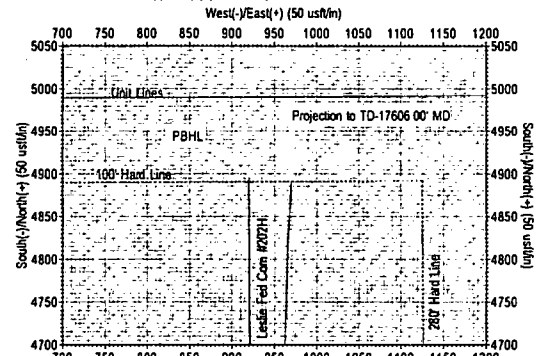
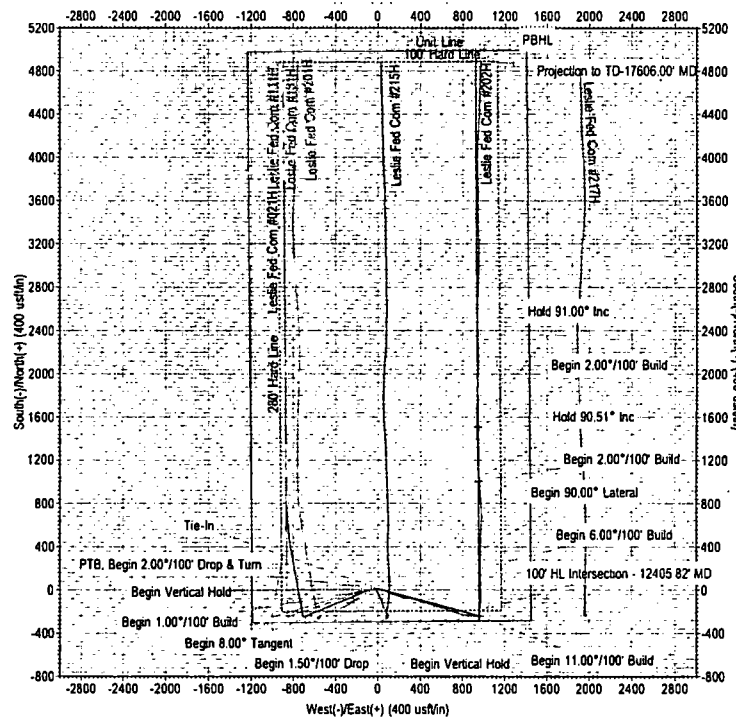
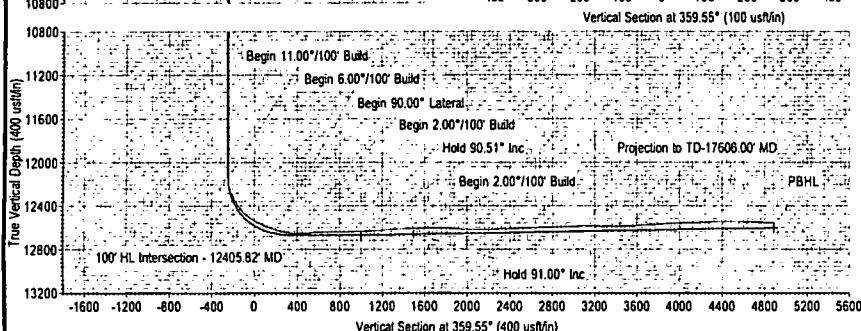
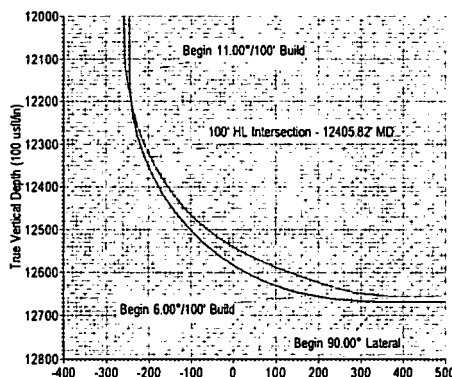
SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dieg	TFace	Vsect	Annotation
886.00	0.80	39.70	885.92	10.09	3.54	0.00	0.000	10.07	Tie-In
958.00	0.80	39.70	957.92	10.87	4.18	0.00	0.000	10.83	PTB, Begin 2.00°/100' Drop & Turn
998.00	0.00	0.00	997.92	11.08	4.36	2.00	180.000	11.05	Begin Vertical Hold
1500.00	0.00	0.00	1499.92	11.08	4.36	0.00	0.000	11.05	Begin 1.00°/100' Build
2299.78	8.00	104.58	2297.11	-2.95	58.29	1.00	104.580	-3.41	Begin 8.00° Tangent
8728.75	8.00	104.58	8663.54	-228.13	923.99	0.00	0.000	-235.38	Begin 1.50°/100' Drop
9261.94	0.00	0.00	9195.00	-237.48	959.94	1.50	180.000	-245.01	Begin Vertical Hold
12207.47	0.00	0.00	12140.53	-237.48	959.94	0.00	0.000	-245.01	Begin 11.00°/100' Build
12934.74	80.00	359.55	12653.49	192.93	956.57	11.00	359.551	185.41	Begin 6.00°/100' Build
13101.40	90.00	359.55	12668.00	358.74	955.26	6.00	0.000	351.23	Begin 90.00° Lateral
13750.18	90.00	359.55	12668.00	1007.49	950.17	0.00	0.000	1000.00	Begin 2.00°/100' Build
13775.86	90.51	359.55	12667.89	1033.17	949.97	2.00	0.000	1025.68	Hold 90.51° Inc
14250.20	90.51	359.55	12663.64	1507.48	946.25	0.00	0.000	1500.00	Begin 2.00°/100' Build
14274.63	91.00	359.55	12663.31	1531.91	946.06	2.00	0.000	1524.43	Hold 91.00° Inc
17634.09	91.00	359.55	12604.58	4890.75	919.71	0.00	0.000	4883.37	PBHL

Vertical Section at 359.55° (400 usft/in)



MS Directional





Matador Resources

Lea County, New Mexico (NAD 27)

Leslie Fed Com

Leslie Fed Com #202H

Wellbore #1

Design: Surveys

Standard Survey Report

22 April, 2019





MS Directional Survey Report



Company: Matador Resources
Project: Lea County, New Mexico (NAD 27)
Site: Leslie Fed Com
Well: Leslie Fed Com #202H
Wellbore: Wellbore #1
Design: Surveys

Local Co-ordinate Reference: Well Leslie Fed Com #202H
TVD Reference: WELL @ 3340.50usft (Patterson 282)
MD Reference: WELL @ 3340.50usft (Patterson 282)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Conroe DB

Project	Lea County, New Mexico (NAD 27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Leslie Fed Com		
Site Position:		Northing:	410,038.60 usft
From:	Map	Easting:	790,811.21 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 7' 25.779 N
		Longitude:	103° 23' 38.293 W

Well	Leslie Fed Com #202H		
Well Position	+N/-S	0.00 usft	Northing: 410,038.98 usft
	+E/-W	0.00 usft	Easting: 790,871.25 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
Grid Convergence:	0.500 °	Ground Level:	3,312.00 usft
		Latitude:	32° 7' 25.778 N
		Longitude:	103° 23' 37.595 W

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	User Defined	3/1/2019	6.764
			Dip Angle (°) 59.927
			Field Strength (nT) 47,752.37

Design	Surveys		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	Tie On Depth: 0.00
	0.00	0.00	Direction (°) 359.55
			+E/-W (usft) 0.00

Survey Program	Date 4/22/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
199.00	17,606.00	MS MWD (Wellbore #1)	MWD
			Description OWSG MWD - Standard

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199.00	0.60	9.60	199.00	1.03	0.17	1.03	0.30	0.30	0.00
317.00	0.60	3.10	316.99	2.25	0.31	2.25	0.06	0.00	-5.51
504.00	1.00	22.40	503.97	4.74	0.98	4.73	0.26	0.21	10.32
687.00	0.90	20.60	686.95	7.56	2.10	7.54	0.06	-0.05	-0.98
886.00	0.80	39.70	885.92	10.09	3.54	10.07	0.15	-0.05	9.60
1,060.00	0.70	63.20	1,059.91	11.51	5.26	11.47	0.18	-0.06	13.51
1,248.00	0.60	73.00	1,247.90	12.31	7.23	12.26	0.08	-0.05	5.21
1,437.00	2.00	96.00	1,436.85	12.26	11.45	12.17	0.78	0.74	12.17
1,625.00	5.00	104.30	1,624.47	9.89	22.66	9.71	1.61	1.60	4.41



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Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,814.00	6.30	114.90	1,812.56	3.49	40.05	3.17	0.88	0.69	5.61
2,001.00	6.20	114.60	1,998.45	-5.03	58.53	-5.49	0.06	-0.05	-0.16
2,190.00	6.10	113.30	2,186.36	-13.25	77.04	-13.86	0.09	-0.05	-0.69
2,380.00	5.90	112.40	2,375.32	-20.97	95.34	-21.72	0.12	-0.11	-0.47
2,568.00	8.00	113.10	2,561.93	-29.78	116.31	-30.70	1.12	1.12	0.37
2,756.00	7.60	111.50	2,748.19	-39.47	139.91	-40.57	0.24	-0.21	-0.85
2,944.00	7.40	107.90	2,934.58	-47.75	162.99	-49.03	0.27	-0.11	-1.91
3,132.00	8.40	104.20	3,120.79	-54.84	187.83	-56.31	0.60	0.53	-1.97
3,321.00	8.60	102.10	3,307.72	-61.19	215.03	-62.88	0.20	0.11	-1.11
3,509.00	8.30	99.30	3,493.68	-66.33	242.16	-68.23	0.27	-0.16	-1.49
3,698.00	8.10	96.70	3,680.75	-70.09	268.85	-72.20	0.22	-0.11	-1.38
3,888.00	8.20	105.30	3,868.83	-75.22	295.22	-77.54	0.64	0.05	4.53
4,076.00	8.10	103.90	4,054.94	-81.94	321.00	-84.46	0.12	-0.05	-0.74
4,264.00	7.60	103.60	4,241.17	-88.05	345.94	-90.76	0.27	-0.27	-0.16
4,452.00	7.90	106.50	4,427.46	-94.64	370.42	-97.55	0.26	0.16	1.54
4,641.00	8.50	105.60	4,614.52	-102.09	396.32	-105.20	0.32	0.32	-0.48
4,830.00	8.60	106.20	4,801.42	-109.79	423.35	-113.11	0.07	0.05	0.32
5,018.00	8.40	107.20	4,987.36	-117.77	449.96	-121.30	0.13	-0.11	0.53
5,207.00	8.00	107.80	5,174.43	-125.87	475.67	-129.60	0.22	-0.21	0.32
5,394.00	7.00	106.80	5,359.82	-133.14	498.97	-137.06	0.54	-0.53	-0.53
5,441.00	6.70	107.10	5,406.49	-134.78	504.33	-138.73	0.64	-0.64	0.64
5,580.00	6.20	107.90	5,544.61	-139.47	519.23	-143.54	0.37	-0.36	0.58
5,769.00	9.10	106.50	5,731.91	-146.85	543.27	-151.11	1.54	1.53	-0.74
5,958.00	8.20	105.70	5,918.75	-154.74	570.58	-159.22	0.48	-0.48	-0.42
6,146.00	8.00	104.70	6,104.88	-161.69	596.14	-166.37	0.13	-0.11	-0.53
6,335.00	6.90	103.90	6,292.28	-167.76	619.88	-172.62	0.58	-0.58	-0.42
6,522.00	8.50	110.70	6,477.59	-175.34	643.72	-180.39	0.98	0.86	3.64
6,710.00	8.20	110.80	6,663.60	-185.01	669.25	-190.26	0.16	-0.16	0.05
6,901.00	7.90	111.00	6,852.72	-194.55	694.24	-200.00	0.16	-0.16	0.10
7,088.00	7.40	110.80	7,038.05	-203.43	717.49	-209.06	0.27	-0.27	-0.11
7,277.00	8.70	102.90	7,225.19	-210.95	742.80	-216.78	0.90	0.69	-4.18
7,465.00	7.70	102.70	7,411.27	-216.89	768.95	-222.92	0.53	-0.53	-0.11
7,653.00	7.10	107.40	7,597.70	-223.14	792.33	-229.35	0.45	-0.32	2.50
7,841.00	7.60	96.70	7,784.16	-228.06	815.76	-234.46	0.77	0.27	-5.69
8,030.00	6.40	95.70	7,971.75	-230.57	838.66	-237.14	0.64	-0.63	-0.53
8,217.00	6.70	102.10	8,157.53	-233.89	859.69	-240.63	0.42	0.16	3.42
8,406.00	6.90	100.00	8,345.21	-238.17	881.65	-245.09	0.17	0.11	-1.11
8,595.00	5.20	99.90	8,533.15	-241.61	901.27	-248.68	0.90	-0.90	-0.05
8,783.00	4.40	98.10	8,720.48	-244.09	916.81	-251.29	0.43	-0.43	-0.96
8,970.00	3.90	93.00	8,906.99	-245.44	930.26	-252.74	0.33	-0.27	-2.73
9,158.00	3.30	92.60	9,094.62	-246.02	942.05	-253.41	0.32	-0.32	-0.21
9,347.00	2.40	65.80	9,283.40	-244.64	951.09	-252.10	0.84	-0.48	-14.18
9,534.00	2.40	40.00	9,470.24	-240.04	957.18	-247.55	0.57	0.00	-13.80



MS Directional Survey Report



Company: Matador Resources
Project: Lea County, New Mexico (NAD 27)
Site: Leslie Fed Com
Well: Leslie Fed Com #202H
Wellbore: Wellbore #1
Design: Surveys

Local Co-ordinate Reference: Well Leslie Fed Com #202H
TVD Reference: WELL @ 3340.50usft (Patterson 282)
MD Reference: WELL @ 3340.50usft (Patterson 282)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Conroe DB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,722.00	0.70	162.50	9,658.19	-238.12	960.06	-245.65	1.51	-0.90	65.16
9,911.00	1.30	171.80	9,847.16	-241.34	960.71	-248.88	0.33	0.32	4.92
10,098.00	2.20	181.60	10,034.07	-247.03	960.91	-254.57	0.51	0.48	5.24
10,287.00	0.70	194.80	10,223.00	-251.77	960.52	-259.31	0.81	-0.79	6.98
10,476.00	1.20	254.00	10,411.98	-253.43	958.32	-260.95	0.55	0.26	31.32
10,665.00	1.30	289.70	10,600.94	-253.26	954.40	-260.74	0.41	0.05	18.89
10,853.00	0.60	268.10	10,788.91	-252.57	951.41	-260.03	0.41	-0.37	-11.49
11,041.00	0.10	235.00	10,976.91	-252.70	950.29	-260.15	0.28	-0.27	-17.61
11,230.00	0.30	138.40	11,165.91	-253.16	950.48	-260.62	0.17	0.11	-51.11
11,419.00	0.30	108.90	11,354.90	-253.69	951.28	-261.15	0.08	0.00	-15.61
11,607.00	0.40	342.90	11,542.90	-253.22	951.55	-260.69	0.33	0.05	-67.02
11,794.00	0.70	318.70	11,729.89	-251.74	950.61	-259.20	0.20	0.16	-12.94
11,982.00	0.50	317.00	11,917.88	-250.28	949.29	-257.73	0.11	-0.11	-0.90
12,090.00	0.20	334.70	12,025.88	-249.76	948.89	-257.21	0.29	-0.28	16.39
12,177.00	3.50	15.40	12,112.82	-247.07	949.53	-254.51	3.85	3.79	46.78
12,203.00	7.50	14.20	12,138.70	-244.65	950.15	-252.11	15.39	15.38	-4.62
12,271.00	13.40	7.10	12,205.54	-232.52	952.22	-239.99	8.86	8.68	-10.44
12,318.00	16.60	12.10	12,250.94	-220.55	954.30	-228.04	7.34	6.81	10.64
12,365.00	22.90	9.20	12,295.15	-204.94	957.17	-212.45	13.56	13.40	-6.17
12,405.82	28.55	9.82	12,331.91	-187.48	960.11	-195.01	13.85	13.83	1.53
100' HL Intersection - 12405.82' MD									
12,412.00	29.40	9.90	12,337.32	-184.53	960.62	-192.07	13.85	13.83	1.22
12,460.00	33.00	7.80	12,378.37	-159.96	964.42	-167.53	7.83	7.50	-4.38
12,505.00	36.20	7.00	12,415.41	-134.63	967.71	-142.22	7.18	7.11	-1.78
12,553.00	42.30	3.30	12,452.57	-104.40	970.37	-112.02	13.61	12.71	-7.71
12,585.00	47.10	0.80	12,475.31	-81.91	971.15	-89.54	15.97	15.00	-7.81
12,647.00	55.20	359.90	12,514.17	-33.67	971.42	-41.30	13.11	13.06	-1.45
12,695.00	60.30	358.90	12,539.77	6.91	970.99	-0.72	10.77	10.63	-2.08
12,741.00	64.10	357.60	12,561.22	47.57	969.74	39.95	8.63	8.26	-2.83
12,788.00	66.50	357.60	12,580.86	90.23	967.95	82.62	5.11	5.11	0.00
12,835.00	69.70	358.30	12,598.39	133.80	966.39	126.21	6.95	6.81	1.49
12,883.00	71.10	359.10	12,614.49	179.01	965.37	171.42	3.31	2.92	1.67
12,930.00	73.10	359.30	12,628.94	223.73	964.74	216.14	4.27	4.26	0.43
12,994.00	77.90	1.50	12,644.96	285.67	965.19	278.08	8.20	7.50	3.44
13,025.00	82.50	1.30	12,650.23	316.20	965.94	308.60	14.85	14.84	-0.65
13,057.00	84.60	0.60	12,653.83	347.99	966.46	340.39	6.91	6.56	-2.19
13,088.00	89.20	0.10	12,655.50	378.93	966.65	371.33	14.93	14.84	-1.61
13,182.00	90.80	1.70	12,655.50	472.92	968.13	465.30	2.41	1.70	1.70
13,276.00	94.00	2.70	12,651.57	566.75	971.73	559.10	3.57	3.40	1.06
13,371.00	94.90	1.30	12,644.20	661.40	975.04	653.72	1.75	0.95	-1.47
13,465.00	90.00	355.80	12,640.18	755.22	972.65	747.56	7.83	-5.21	-5.85
13,559.00	89.80	355.50	12,640.34	848.95	965.52	841.34	0.38	-0.21	-0.32
13,654.00	92.30	356.50	12,638.60	943.69	958.90	936.13	2.83	2.63	1.05



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13,748.00	92.80	356.20	12,634.42	1,037.41	952.92	1,029.89	0.62	0.53	-0.32
13,842.00	93.50	356.10	12,629.25	1,131.06	946.62	1,123.59	0.75	0.74	-0.11
13,936.00	93.80	357.00	12,623.27	1,224.69	940.97	1,217.27	1.01	0.32	0.96
14,030.00	92.50	358.20	12,618.10	1,318.47	937.04	1,311.07	1.88	-1.38	1.28
14,124.00	91.10	359.80	12,615.15	1,412.40	935.40	1,405.01	2.26	-1.49	1.70
14,218.00	92.60	0.10	12,612.11	1,506.35	935.32	1,498.96	1.63	1.60	0.32
14,313.00	93.10	359.40	12,607.39	1,601.23	934.91	1,593.84	0.90	0.53	-0.74
14,407.00	88.90	2.40	12,605.75	1,695.17	936.39	1,687.76	5.49	-4.47	3.19
14,501.00	88.30	3.00	12,608.05	1,789.04	940.81	1,781.59	0.90	-0.64	0.64
14,595.00	87.00	1.30	12,611.90	1,882.89	944.34	1,875.41	2.28	-1.38	-1.81
14,689.00	87.40	0.90	12,616.49	1,976.76	946.14	1,969.27	0.60	0.43	-0.43
14,784.00	88.20	0.80	12,620.14	2,071.68	947.55	2,064.17	0.85	0.84	-0.11
14,878.00	91.80	0.20	12,620.14	2,165.66	948.37	2,158.14	3.88	3.83	-0.64
14,972.00	91.70	358.60	12,617.27	2,259.60	947.38	2,252.09	1.70	-0.11	-1.70
15,066.00	92.90	357.70	12,613.50	2,353.48	944.35	2,345.99	1.60	1.28	-0.96
15,161.00	91.00	359.10	12,610.26	2,448.38	941.70	2,440.91	2.48	-2.00	1.47
15,255.00	92.70	359.70	12,607.23	2,542.32	940.72	2,534.85	1.92	1.81	0.64
15,349.00	92.70	0.90	12,602.80	2,636.21	941.21	2,628.74	1.28	0.00	1.28
15,444.00	92.30	1.80	12,598.66	2,731.10	943.45	2,723.60	1.04	-0.42	0.95
15,538.00	91.30	0.80	12,595.71	2,825.02	945.58	2,817.51	1.50	-1.06	-1.06
15,632.00	91.90	0.60	12,593.08	2,918.98	946.72	2,911.45	0.67	0.64	-0.21
15,726.00	92.30	0.90	12,589.64	3,012.91	947.95	3,005.37	0.53	0.43	0.32
15,820.00	92.90	0.10	12,585.37	3,106.81	948.77	3,099.26	1.06	0.64	-0.85
15,914.00	89.20	359.30	12,583.65	3,200.77	948.28	3,193.22	4.03	-3.94	-0.85
16,009.00	88.50	359.40	12,585.56	3,295.75	947.20	3,288.20	0.74	-0.74	0.11
16,103.00	89.00	357.50	12,587.61	3,389.68	944.66	3,382.16	2.09	0.53	-2.02
16,197.00	91.80	0.20	12,586.95	3,483.64	942.77	3,476.13	4.14	2.98	2.87
16,291.00	92.40	0.30	12,583.51	3,577.58	943.18	3,570.06	0.65	0.64	0.11
16,385.00	93.20	359.40	12,578.91	3,671.47	942.94	3,663.95	1.28	0.85	-0.96
16,480.00	93.10	358.70	12,573.69	3,766.31	941.37	3,758.80	0.74	-0.11	-0.74
16,574.00	93.30	358.10	12,568.45	3,860.13	938.75	3,852.63	0.67	0.21	-0.64
16,668.00	93.00	0.10	12,563.28	3,953.97	937.27	3,946.48	2.15	-0.32	2.13
16,762.00	91.20	1.50	12,559.84	4,047.89	938.58	4,040.39	2.43	-1.91	1.49
16,856.00	91.90	1.80	12,557.29	4,141.81	941.29	4,134.29	0.81	0.74	0.32
16,951.00	92.10	2.40	12,553.98	4,236.69	944.77	4,229.14	0.67	0.21	0.63
17,045.00	94.60	2.70	12,548.49	4,330.43	948.94	4,322.84	2.68	2.66	0.32
17,139.00	88.60	1.60	12,545.86	4,424.28	952.47	4,416.67	6.49	-6.38	-1.17
17,233.00	89.30	2.30	12,547.58	4,518.21	955.66	4,510.57	1.05	0.74	0.74
17,328.00	89.60	2.10	12,548.50	4,613.14	959.31	4,605.46	0.38	0.32	-0.21
17,422.00	88.00	1.90	12,550.47	4,707.06	962.59	4,699.35	1.72	-1.70	-0.21
17,516.00	87.20	1.20	12,554.40	4,800.94	965.13	4,793.21	1.13	-0.85	-0.74
17,546.00	88.00	3.20	12,555.66	4,830.89	966.28	4,823.15	7.17	2.67	6.67
17,606.00	88.00	3.20	12,557.75	4,890.76	969.63	4,882.99	0.00	0.00	0.00

Projection to TD-17606.00' MD



MS Directional Survey Report



Company: Matador Resources
Project: Lea County, New Mexico (NAD 27)
Site: Leslie Fed Com
Well: Leslie Fed Com #202H
Wellbore: Wellbore #1
Design: Surveys

Local Co-ordinate Reference: Well Leslie Fed Com #202H
TVD Reference: WELL @ 3340.50usft (Patterson 282)
MD Reference: WELL @ 3340.50usft (Patterson 282)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Conroe DB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
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Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,405.82	12,331.91	-187.48	960.11	100' HL Intersection - 12405.82' MD
17,606.00	12,557.75	4,890.76	969.63	Projection to TD-17606.00' MD