



PRODIRECTIONAL

NM OIL CONSERVATION
ARTESIA DISTRICT

JAN 26 2018

RECEIVED



Garrett Fed Com No. 215H

Eddy County, NM 30-015-44458

December 05, 2017

Job No. LNM5154517

ORIGINAL

Survey Completion Report



PRODIRECTIONAL

Survey/Completion Log

December 05, 2017



Operator Name: Matador Resources
Well Name: Garrett Fed Com No. 215H
County/Parish: Eddy County,
State: NM
Rig Name: Patterson 274
Job Number: LNM5154517

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:

<u>Surveyor</u>	<u>Surveyed Depths</u>	<u>Projection to Bit</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
ProDirectional	138' MD – 14,825' MD	14,894' MD	10/21/17 – 11/08/17	MWD-OWSG

Sincerely,

Mike Coats

Mike Coats
Regulatory Specialist
Professional Directional

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

prodirectional.com

Set Standard of Excellence in Directional Supervision



Matador Resources

Eddy County, NM
Garrett Fed Com
No. 215H
OH

Survey: ProDirectional

Survey Report

05 December, 2017





ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM(NAD 83)
Site: Garrett Fed Com
Well: No. 215H
Wellbore: OH
Design: MWD-138'-14825', Proj. 14894'

Local Co-ordinate Reference: Well No. 215H
TVD Reference: Well @ 2968.00usft
MD Reference: Well @ 2968.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Project	Eddy County, NM(NAD 83)		System Datum:	Mean Sea Level
Map System:	US State Plane 1983			
Geo Datum:	North American Datum 1983			
Map Zone:	New Mexico Eastern Zone			

Site	Garrett Fed Com			
Site Position:				
From:	Map	Northing: 429,558.00 usft	Latitude: 32° 10' 49.9001 N	
Position Uncertainty:	0.00 usft	Easting: 640,352.00 usft	Longitude: 104° 0' 47.8494 W	
		Slot Radius: 13-3/16 "	Grid Convergence: 0.17 °	

Well	No. 215H			
Well Position	+N/-S 0.00 usft	Northing: 429,498.00 usft	Latitude: 32° 10' 49.3063 N	
	+E/-W 0.00 usft	Easting: 640,352.00 usft	Longitude: 104° 0' 47.8514 W	
Position Uncertainty	0.00 usft	Wellhead Elevation: usft	Ground Level: 2,939.00 usft	

Wellbore	OH			
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)
	HDGM	9/26/2017	7.15	60.02
				Field Strength (nT) 48,081.50

Design	MWD-138'-14825', Proj. 14894'			
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	90.16

Survey Program	Date	12/5/2017		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
138.00	14,894.00	Survey #1 (OH)	MWD+HDGM	OWSG MWD + HRGM



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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	429,498.00	640,352.00
	138.00	0.30	72.00	138.00	0.34	0.11	0.34	0.36	72.00	429,498.11	640,352.34
Pro MWD First Survey: 138' MD											
	323.00	1.60	29.30	322.97	2.06	2.51	2.07	3.26	39.45	429,500.51	640,354.07
	416.00	1.70	25.40	415.93	3.28	4.89	3.30	5.90	33.96	429,502.89	640,355.30
	508.00	1.90	19.30	507.89	4.36	7.56	4.38	8.74	30.10	429,505.56	640,356.38
	543.00	1.90	17.10	542.87	4.72	8.67	4.75	9.88	28.71	429,506.67	640,356.75
	693.00	0.90	0.80	692.82	5.46	12.22	5.49	13.40	24.21	429,510.22	640,357.49
	786.00	0.60	266.20	785.82	4.98	12.92	5.02	13.86	21.23	429,510.92	640,357.02
	880.00	0.80	256.50	879.81	3.85	12.73	3.89	13.31	16.99	429,510.73	640,355.89
	975.00	1.60	229.60	974.79	2.20	11.72	2.24	11.93	10.80	429,509.72	640,354.24
	1,070.00	3.30	213.60	1,069.70	-0.31	8.58	-0.29	8.59	358.08	429,506.58	640,351.71
	1,166.00	4.30	213.60	1,165.49	-3.82	3.28	-3.81	5.03	310.75	429,501.28	640,348.19
	1,261.00	5.10	213.20	1,260.17	-8.08	-3.22	-8.09	8.71	248.32	429,494.78	640,343.91
	1,357.00	5.70	211.90	1,355.74	-12.92	-10.84	-12.95	16.88	230.08	429,487.16	640,339.05
	1,452.00	6.20	217.90	1,450.23	-18.54	-18.89	-18.59	26.50	224.55	429,479.11	640,333.41
	1,547.00	6.90	220.50	1,544.61	-25.37	-27.28	-25.45	37.30	223.02	429,470.72	640,326.55
	1,642.00	7.70	223.20	1,638.84	-33.41	-36.25	-33.51	49.37	222.75	429,461.75	640,318.49
	1,738.00	7.50	226.00	1,734.00	-42.30	-45.30	-42.42	62.06	223.12	429,452.70	640,309.58
	1,833.00	6.80	220.80	1,828.26	-50.41	-53.86	-50.56	73.87	223.19	429,444.14	640,301.44
	1,929.00	6.20	208.50	1,923.64	-56.57	-62.72	-56.74	84.58	222.14	429,435.28	640,295.26
	2,024.00	5.90	196.10	2,018.12	-60.35	-71.92	-60.55	94.01	220.09	429,426.08	640,291.45
	2,119.00	6.30	201.60	2,112.58	-63.59	-81.46	-63.82	103.48	218.08	429,416.54	640,288.18
	2,214.00	6.90	208.30	2,206.95	-68.19	-91.33	-68.44	114.13	216.85	429,406.67	640,283.56
	2,309.00	6.90	204.60	2,301.27	-73.24	-101.54	-73.52	125.36	215.91	429,396.46	640,278.48
	2,404.00	6.90	199.10	2,395.58	-77.45	-112.12	-77.77	136.45	214.75	429,385.88	640,274.23
	2,500.00	7.70	197.80	2,490.80	-81.27	-123.69	-81.62	148.20	213.42	429,374.31	640,270.38



ProDirectional Survey Report



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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)
	2,595.00	8.20	203.30	2,584.89	-85.87	-135.98	-86.25	161.02	212.39	429,362.02	640,265.75
	2,690.00	7.30	203.60	2,679.02	-90.93	-147.73	-91.34	173.69	211.73	429,350.27	640,260.66
	2,785.00	6.20	209.50	2,773.36	-95.84	-157.73	-96.28	184.79	211.40	429,340.27	640,255.72
	2,842.00	5.90	214.30	2,830.04	-99.00	-162.82	-99.45	190.79	211.42	429,335.18	640,252.55
	2,975.00	7.80	215.00	2,962.09	-107.99	-175.87	-108.48	206.63	211.67	429,322.13	640,243.52
	3,070.00	9.90	215.90	3,055.95	-116.44	-187.76	-116.97	221.22	211.92	429,310.24	640,235.03
	3,166.00	11.70	214.10	3,150.25	-126.70	-202.51	-127.27	239.18	212.15	429,295.49	640,224.73
	3,261.00	12.50	214.80	3,243.14	-137.92	-218.93	-138.53	259.08	212.32	429,279.07	640,213.47
	3,356.00	12.90	215.40	3,335.81	-149.88	-236.01	-150.54	279.94	212.53	429,261.99	640,201.46
	3,452.00	12.30	212.80	3,429.50	-161.58	-253.34	-162.29	300.87	212.64	429,244.66	640,189.71
	3,547.00	12.70	213.20	3,522.25	-172.73	-270.59	-173.49	321.43	212.67	429,227.41	640,178.51
	3,642.00	12.70	212.90	3,614.92	-184.08	-288.09	-184.88	342.31	212.69	429,209.91	640,167.12
	3,738.00	11.60	211.00	3,708.77	-194.73	-305.23	-195.58	362.52	212.65	429,192.77	640,156.42
	3,833.00	12.30	214.30	3,801.71	-205.31	-321.77	-206.21	382.18	212.65	429,176.23	640,145.79
	3,928.00	13.90	216.10	3,894.24	-217.68	-339.35	-218.63	403.69	212.79	429,158.65	640,133.37
	4,023.00	14.60	217.40	3,986.32	-231.63	-358.09	-232.63	427.01	213.01	429,139.91	640,119.37
	4,118.00	14.80	218.10	4,078.21	-246.33	-377.15	-247.39	451.04	213.26	429,120.85	640,104.61
	4,213.00	14.30	212.00	4,170.16	-259.98	-396.65	-261.09	474.87	213.35	429,101.35	640,090.91
	4,309.00	13.50	210.60	4,263.35	-271.92	-416.35	-273.08	497.91	213.26	429,081.65	640,078.92
	4,404.00	12.80	211.10	4,355.86	-282.94	-434.90	-284.16	519.51	213.16	429,063.10	640,067.84
	4,499.00	14.10	211.30	4,448.25	-294.34	-453.80	-295.61	541.59	213.08	429,044.20	640,056.39
	4,594.00	14.40	211.90	4,540.33	-306.54	-473.72	-307.86	564.97	213.02	429,024.28	640,044.14
	4,690.00	14.10	212.70	4,633.38	-319.11	-493.69	-320.49	588.59	212.99	429,004.31	640,031.51
	4,785.00	16.00	213.00	4,725.11	-332.43	-514.41	-333.87	613.26	212.98	428,983.59	640,018.13
	4,880.00	16.30	212.70	4,816.36	-346.70	-536.61	-348.20	639.69	212.98	428,961.39	640,003.80
	4,976.00	16.10	212.90	4,908.55	-361.15	-559.12	-362.71	666.47	212.97	428,938.88	639,989.29
	5,071.00	14.10	212.40	5,000.27	-374.45	-579.96	-376.07	691.21	212.96	428,918.04	639,975.93



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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)
5,166.00	15.20	212.70	5,092.18	-387.32	-600.21	-389.00	715.24	212.95	428,897.79	639,963.00
5,262.00	14.00	212.00	5,185.08	-400.22	-620.65	-401.95	739.44	212.93	428,877.35	639,950.05
5,357.00	14.90	213.40	5,277.07	-412.97	-640.59	-414.76	763.14	212.92	428,857.41	639,937.24
5,453.00	14.70	214.00	5,369.89	-426.52	-660.99	-428.37	787.66	212.95	428,837.01	639,923.63
5,548.00	13.70	213.30	5,461.98	-439.38	-680.39	-441.29	810.96	212.97	428,817.61	639,910.71
5,643.00	13.60	213.10	5,554.30	-451.61	-699.15	-453.56	833.38	212.97	428,798.85	639,898.44
5,739.00	12.40	211.90	5,647.84	-463.17	-717.35	-465.17	854.97	212.96	428,780.65	639,886.83
5,834.00	11.50	212.40	5,740.78	-473.59	-734.01	-475.64	874.64	212.94	428,763.99	639,876.36
5,929.00	11.10	212.40	5,833.94	-483.52	-749.73	-485.61	893.26	212.93	428,748.27	639,866.39
6,025.00	10.90	211.80	5,928.17	-493.21	-765.24	-495.35	911.57	212.92	428,732.76	639,856.65
6,120.00	9.20	210.50	6,021.71	-501.76	-779.42	-503.93	928.14	212.88	428,718.58	639,848.07
6,216.00	7.60	210.30	6,116.68	-508.82	-791.52	-511.03	942.15	212.85	428,706.48	639,840.97
6,311.00	6.40	210.00	6,210.97	-514.61	-801.52	-516.85	953.72	212.82	428,696.48	639,835.15
6,406.00	4.50	216.90	6,305.53	-519.47	-809.09	-521.74	962.72	212.82	428,688.91	639,830.26
6,502.00	3.10	218.70	6,401.32	-523.34	-814.13	-525.62	969.06	212.85	428,683.87	639,826.38
6,597.00	1.90	218.30	6,496.23	-525.92	-817.37	-528.20	973.19	212.87	428,680.63	639,823.80
6,692.00	0.70	256.20	6,591.20	-527.45	-818.74	-529.74	975.18	212.90	428,679.26	639,822.26
6,788.00	0.80	48.80	6,687.20	-527.52	-818.44	-529.81	974.96	212.92	428,679.56	639,822.19
6,883.00	1.20	70.20	6,782.19	-526.09	-817.67	-528.37	973.53	212.87	428,680.33	639,823.63
6,978.00	1.40	47.40	6,877.16	-524.30	-816.55	-526.58	971.62	212.82	428,681.45	639,825.42
7,073.00	2.20	76.10	6,972.12	-521.68	-815.32	-523.96	969.17	212.73	428,682.68	639,828.04
7,169.00	2.20	87.80	7,068.05	-518.05	-814.81	-520.33	966.78	212.56	428,683.19	639,831.67
7,264.00	2.10	46.30	7,162.99	-514.97	-813.54	-517.25	964.05	212.45	428,684.46	639,834.75
7,360.00	3.30	347.60	7,258.89	-514.31	-809.62	-516.57	960.38	212.54	428,688.38	639,835.43
7,455.00	3.00	320.20	7,353.76	-516.50	-805.04	-518.75	957.70	212.80	428,692.96	639,833.25
7,550.00	1.00	49.30	7,448.71	-517.47	-802.59	-519.71	956.16	212.92	428,695.41	639,832.29
7,646.00	0.80	76.80	7,544.70	-516.18	-801.89	-518.42	954.88	212.88	428,696.11	639,833.58



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7,741.00	0.70	17.90	7,639.69	-515.36	-801.19	-517.60	953.84	212.86	428,696.81	639,834.40
7,837.00	2.30	341.10	7,735.65	-515.81	-798.81	-518.04	952.08	212.96	428,699.19	639,833.96
7,932.00	2.60	346.00	7,830.57	-516.96	-794.91	-519.18	949.44	213.15	428,703.09	639,832.82
8,028.00	0.70	318.80	7,926.52	-517.88	-792.36	-520.09	947.80	213.28	428,705.64	639,831.91
8,123.00	1.40	190.80	8,021.52	-518.48	-793.06	-520.69	948.72	213.29	428,704.94	639,831.31
8,218.00	2.80	190.80	8,116.45	-519.12	-796.48	-521.35	951.94	213.21	428,701.52	639,830.65
8,313.00	2.50	173.40	8,211.35	-519.30	-800.82	-521.54	955.68	213.07	428,697.18	639,830.46
8,409.00	2.20	150.10	8,307.27	-518.14	-804.50	-520.38	958.13	212.90	428,693.50	639,831.62
8,504.00	2.00	146.50	8,402.21	-516.30	-807.46	-518.56	959.63	212.71	428,690.54	639,833.44
8,600.00	1.70	112.00	8,498.16	-514.05	-809.39	-516.32	960.05	212.53	428,688.61	639,835.68
8,695.00	0.80	100.00	8,593.14	-512.09	-810.03	-514.36	959.54	212.41	428,687.97	639,837.64
8,790.00	1.20	327.20	8,688.13	-511.98	-809.31	-514.24	958.87	212.43	428,688.69	639,837.76
8,885.00	1.00	24.00	8,783.11	-512.19	-807.72	-514.44	957.63	212.49	428,690.28	639,837.56
8,981.00	1.50	294.50	8,879.10	-512.99	-806.43	-515.25	956.98	212.58	428,691.57	639,836.75
9,076.00	0.50	324.50	8,974.08	-514.37	-805.58	-516.62	957.00	212.67	428,692.42	639,835.38
9,172.00	0.20	206.90	9,070.08	-514.69	-805.39	-516.94	957.01	212.69	428,692.61	639,835.06
9,267.00	0.30	124.80	9,165.08	-514.56	-805.68	-516.81	957.19	212.68	428,692.32	639,835.19
9,362.00	0.50	198.90	9,260.08	-514.48	-806.21	-516.74	957.60	212.66	428,691.79	639,835.26
9,441.00	1.20	202.30	9,339.07	-514.91	-807.30	-517.16	958.75	212.64	428,690.70	639,834.84
9,558.00	5.70	145.90	9,455.85	-512.10	-813.25	-514.37	962.26	212.31	428,684.75	639,837.63
9,653.00	14.00	133.60	9,549.37	-501.08	-825.10	-503.38	966.53	211.39	428,672.90	639,848.62
9,684.00	15.50	124.10	9,579.35	-494.92	-830.01	-497.24	967.56	210.92	428,667.99	639,854.76
9,716.00	16.50	121.90	9,610.11	-487.50	-834.81	-489.84	967.91	210.40	428,663.19	639,862.16
9,748.00	18.10	117.70	9,640.67	-479.23	-839.52	-481.58	967.84	209.84	428,658.48	639,870.42
9,780.00	20.10	107.10	9,670.91	-469.56	-843.45	-471.92	966.50	209.23	428,654.55	639,880.08
9,811.00	23.40	107.30	9,699.70	-458.58	-846.85	-460.94	964.17	208.56	428,651.15	639,891.06
9,843.00	26.40	107.30	9,728.72	-445.70	-850.86	-448.08	961.63	207.77	428,647.14	639,903.92



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Survey Calculation Method: Minimum Curvature
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)
	9,875.00	30.00	109.70	9,756.92	-431.36	-855.67	-433.75	959.33	206.88	428,642.33	639,918.25
	9,907.00	34.00	110.30	9,784.05	-415.42	-861.47	-417.82	957.45	205.87	428,636.53	639,934.18
	9,938.00	37.20	109.20	9,809.26	-398.42	-867.56	-400.84	955.69	204.80	428,630.44	639,951.16
	9,970.00	40.80	105.80	9,834.13	-379.19	-873.60	-381.64	953.32	203.60	428,624.40	639,970.36
	10,002.00	44.60	106.80	9,857.64	-358.36	-879.69	-360.81	950.81	202.30	428,618.31	639,991.19
	10,034.00	48.50	106.10	9,879.64	-336.06	-886.26	-338.54	948.72	200.91	428,611.74	640,013.46
	10,066.00	52.60	104.50	9,899.97	-312.21	-892.77	-314.71	946.62	199.42	428,605.23	640,037.29
	10,097.00	56.70	103.10	9,917.90	-287.64	-898.80	-290.16	944.47	197.89	428,599.20	640,061.84
	10,129.00	59.30	101.90	9,934.86	-261.14	-904.66	-263.66	942.30	196.25	428,593.34	640,088.34
	10,161.00	63.60	101.40	9,950.15	-233.60	-910.34	-236.14	940.46	194.54	428,587.66	640,115.86
	10,193.00	66.30	100.70	9,963.70	-205.13	-915.89	-207.69	939.14	192.78	428,582.11	640,144.31
	10,224.00	68.80	101.00	9,975.54	-176.98	-921.28	-179.55	938.62	191.03	428,576.72	640,172.45
	10,256.00	71.30	102.20	9,986.45	-147.50	-927.33	-150.09	939.40	189.19	428,570.67	640,201.91
	10,288.00	74.40	102.20	9,995.89	-117.60	-933.79	-120.21	941.50	187.34	428,564.21	640,231.79
	10,316.00	75.40	102.20	10,003.18	-91.16	-939.51	-93.79	944.18	185.70	428,558.49	640,258.21
	10,391.00	78.60	102.40	10,020.05	-19.73	-955.07	-22.40	955.34	181.34	428,542.93	640,329.60
	10,417.00	79.40	102.10	10,025.01	5.23	-960.49	2.55	960.49	179.85	428,537.51	640,354.55
	10,449.00	81.60	103.60	10,030.29	36.01	-967.51	33.31	968.08	178.03	428,530.49	640,385.31
	10,480.00	83.40	102.60	10,034.34	65.97	-974.47	63.25	976.52	176.29	428,523.53	640,415.25
	10,512.00	86.90	100.90	10,037.04	97.20	-980.96	94.46	985.50	174.50	428,517.04	640,446.46
	10,543.00	88.60	96.60	10,038.26	127.82	-985.68	125.07	993.58	172.77	428,512.32	640,477.07
	10,575.00	89.40	92.20	10,038.82	159.72	-988.13	156.96	1,000.52	170.97	428,509.87	640,508.96
	10,606.00	88.80	90.40	10,039.31	190.71	-988.83	187.94	1,006.53	169.24	428,509.17	640,539.94
	10,700.00	87.50	90.00	10,042.34	284.65	-989.16	281.89	1,028.54	164.09	428,508.84	640,633.89
	10,795.00	87.70	89.90	10,046.32	379.57	-989.08	376.81	1,058.42	159.14	428,508.92	640,728.81
	10,889.00	87.50	89.80	10,050.26	473.49	-988.83	470.73	1,095.16	154.54	428,509.17	640,822.73
	10,984.00	88.10	85.20	10,053.91	568.29	-984.69	565.54	1,135.54	150.13	428,513.31	640,917.54



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM(NAD 83)
Site: Garrett Fed Com
Well: No. 215H
Wellbore: OH
Design: MWD-138'-14825', Proj. 14894'

Local Co-ordinate Reference: Well No. 215H
TVD Reference: Well @ 2968.00usft
MD Reference: Well @ 2968.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
	11,078.00	88.20	84.80	10,056.94	661.86	-976.50	659.13	1,178.14	145.98	428,521.50	641,011.13
	11,173.00	89.00	85.10	10,059.26	756.44	-968.14	753.74	1,226.95	142.10	428,529.86	641,105.74
	11,267.00	86.90	83.30	10,062.62	849.86	-958.65	847.19	1,279.35	138.53	428,539.35	641,199.19
	11,362.00	86.20	82.70	10,068.34	943.95	-947.10	941.31	1,335.31	135.18	428,550.90	641,293.31
	11,456.00	86.70	82.50	10,074.16	1,036.95	-935.01	1,034.34	1,394.31	132.11	428,562.99	641,386.34
	11,487.00	90.00	84.80	10,075.05	1,067.73	-931.59	1,065.13	1,415.05	131.17	428,566.41	641,417.13
	11,551.00	90.60	87.90	10,074.72	1,131.58	-927.51	1,129.00	1,461.13	129.40	428,570.49	641,481.00
	11,645.00	89.80	87.60	10,074.39	1,225.50	-923.82	1,222.92	1,532.64	127.07	428,574.18	641,574.92
	11,739.00	90.20	89.20	10,074.39	1,319.45	-921.20	1,316.88	1,607.10	124.97	428,576.80	641,668.88
	11,833.00	90.90	90.20	10,073.49	1,413.44	-920.70	1,410.87	1,684.71	123.13	428,577.30	641,762.87
	11,928.00	90.50	88.80	10,072.33	1,508.42	-919.88	1,505.86	1,764.59	121.42	428,578.12	641,857.86
	12,022.00	90.20	88.40	10,071.75	1,602.39	-917.58	1,599.83	1,844.29	119.84	428,580.42	641,951.83
	12,117.00	91.00	89.60	10,070.76	1,697.36	-915.92	1,694.81	1,926.47	118.39	428,582.08	642,046.81
	12,211.00	93.00	93.50	10,067.48	1,791.25	-918.46	1,788.69	2,010.72	117.18	428,579.54	642,140.69
	12,306.00	89.90	92.20	10,065.07	1,886.10	-923.18	1,883.53	2,097.61	116.11	428,574.82	642,235.53
	12,400.00	86.90	91.60	10,067.70	1,980.01	-926.30	1,977.43	2,183.64	115.10	428,571.70	642,329.43
	12,495.00	85.40	90.70	10,074.08	2,074.78	-928.20	2,072.20	2,270.58	114.13	428,569.80	642,424.20
	12,589.00	87.30	90.50	10,080.06	2,168.58	-929.18	2,166.00	2,356.89	113.22	428,568.82	642,518.00
	12,683.00	86.40	90.30	10,085.23	2,262.44	-929.84	2,259.85	2,443.67	112.37	428,568.16	642,611.85
	12,777.00	86.10	88.40	10,091.37	2,356.22	-928.77	2,353.64	2,530.26	111.53	428,569.23	642,705.64
	12,871.00	88.60	87.90	10,095.72	2,450.06	-925.74	2,447.48	2,616.71	110.72	428,572.26	642,799.48
	12,966.00	89.00	87.90	10,097.71	2,544.96	-922.26	2,542.40	2,704.50	109.94	428,575.74	642,894.40
	13,060.00	88.30	86.80	10,099.92	2,638.82	-917.92	2,636.27	2,791.50	109.20	428,580.08	642,988.27
	13,155.00	88.40	88.80	10,102.66	2,733.70	-914.27	2,731.15	2,880.12	108.51	428,583.73	643,083.15
	13,249.00	90.00	90.40	10,103.97	2,827.68	-913.61	2,825.14	2,969.19	107.92	428,584.39	643,177.14
	13,343.00	88.80	90.80	10,104.96	2,921.67	-914.60	2,919.12	3,059.05	107.40	428,583.40	643,271.12
	13,438.00	87.90	90.70	10,107.69	3,016.62	-915.84	3,014.08	3,150.15	106.90	428,582.16	643,366.08



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM(NAD 83)
Site: Garrett Fed Com
Well: No. 215H
Wellbore: OH
Design: MWD-138'-14825', Proj. 14894'

Local Co-ordinate Reference: Well No. 215H
TVD Reference: Well @ 2968.00usft
MD Reference: Well @ 2968.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Easting (usft)
13,532.00	86.70	90.20	10,112.12	3,110.51	-916.58	3,107.97	3,240.30	106.43	643,459.97
13,627.00	88.70	90.40	10,115.93	3,205.43	-917.08	3,202.88	3,331.59	105.98	643,554.88
13,721.00	90.90	92.40	10,116.26	3,299.40	-919.37	3,296.84	3,422.64	105.58	643,648.84
13,816.00	91.30	93.50	10,114.44	3,394.27	-924.26	3,391.70	3,515.38	105.24	643,743.70
13,910.00	88.40	89.90	10,114.68	3,488.21	-927.05	3,485.63	3,606.81	104.89	643,837.63
14,005.00	90.20	90.90	10,115.84	3,583.19	-927.71	3,580.62	3,698.85	104.53	643,932.62
14,099.00	89.60	91.30	10,116.01	3,677.18	-929.52	3,674.60	3,790.34	104.20	644,026.60
14,193.00	90.20	91.90	10,116.17	3,771.15	-932.14	3,768.56	3,882.13	103.89	644,120.56
14,288.00	90.80	91.70	10,115.34	3,866.11	-935.13	3,863.51	3,975.07	103.61	644,215.51
14,382.00	91.40	91.30	10,113.54	3,960.06	-937.59	3,957.46	4,067.01	103.33	644,309.46
14,476.00	91.40	93.20	10,111.24	4,053.97	-941.28	4,051.36	4,159.26	103.08	644,403.36
14,570.00	89.60	93.00	10,110.42	4,147.84	-946.36	4,145.21	4,251.87	102.86	644,497.21
14,665.00	88.40	92.20	10,112.08	4,242.73	-950.67	4,240.10	4,345.36	102.64	644,592.10
14,759.00	88.70	92.50	10,114.46	4,336.64	-954.52	4,333.99	4,437.85	102.42	644,685.99
14,825.00	87.70	91.30	10,116.53	4,402.57	-956.71	4,399.92	4,502.73	102.27	644,751.92
Last Survey: 14825' MD									
14,894.00	87.70	91.30	10,119.30	4,471.50	-958.27	4,468.84	4,570.43	102.10	644,820.84
PTB: 14894' MD									

Design Annotations				Local Coordinates		
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment		
138.00	138.00	0.11	0.34	Pro MWD First Survey: 138' MD		
14,825.00	10,116.53	-956.71	4,399.92	Last Survey: 14825' MD		
14,894.00	10,119.30	-958.27	4,468.84	PTB: 14894' MD		