

PRODIRECTIONAL



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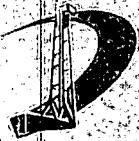
Garrett Fed Com No. 202H
Eddy County, NM

November 12, 2018

Job No. LNM5184918

ORIGINAL

Survey Completion Report



PRODIRECTIONAL

Survey Certification Letter

November 12, 2018



Operator Name: Matador Resources
Well Name: Garrett Fed Com No. 202H
County/Parish: Eddy County,
State: NM
Rig Name: Patterson 274
Job Number: LNM5184918

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	154' MD – 14,634' MD	14,716' MD	09/30/18 – 10/18/18	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



Matador Resources

Eddy County, NM

Garrett Fed Com

No. 202H

OH

Survey: ProDirectional

Survey Report

12 November, 2018





ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No: 202H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 2949'50usft
Site:	Garrett Fed Com	MD Reference:	Well @ 2949'50usft
Well:	No. 202H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD	Database:	WellPlanner1

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

Site:	Garrett Fed Com				
Site Position:		Northing:	429,558.00 usft	Latitude:	32.180528
From:	Map	Easting:	640,352.00 usft	Longitude:	-104.013291
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.17 °

Well:	No. 202H					
Well Position	+N-S	0.00 usft	Northing:	427,527.00 usft	Latitude:	32.174945
	+E-W	0.00 usft	Easting:	640,378.00 usft	Longitude:	-104.013227
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft	Ground Level:	2,921.00 usft	

Wellbore:	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	HDGM	8/22/2018	7.07	59.93	47,968.40

Design:	MWD				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N-S	+E-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.00	0.00	0.00	90.10	

Survey Program	Date	11/12/2018		
From	To	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
154.00	14,716.00	Survey #1 (OH)	MWD+HDGM	OWSG MWD + HRGM



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No -202H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 2949.50usft
Site:	Garrett Fed Com	MD Reference:	Well @ 2949.50usft
Well:	No. 202H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD	Database:	WellPlanner11

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	427,527.00	640,378.00	
154.00	1.90	8.20	153.97	0.36	2.53	0.36	2.55	8.20	427,529.53	640,378.36	
Pro MWD First Survey: 154' MD											
245.00	2.40	357.40	244.91	0.48	5.92	0.49	5.94	4.76	427,532.92	640,378.49	
336.00	2.50	351.30	335.82	0.09	9.79	0.11	9.79	0.62	427,536.79	640,378.11	
428.00	2.40	357.20	427.74	-0.32	13.70	-0.29	13.70	358.78	427,540.70	640,377.71	
519.00	1.90	10.40	518.68	-0.14	17.08	-0.11	17.08	359.62	427,544.08	640,377.89	
561.00	2.20	7.40	560.65	0.09	18.57	0.12	18.57	0.36	427,545.57	640,378.12	
701.00	2.10	16.70	700.55	1.16	23.69	1.20	23.72	2.90	427,550.69	640,379.20	
792.00	3.00	4.20	791.46	1.81	27.66	1.85	27.72	3.83	427,554.66	640,379.85	
882.00	4.70	341.00	881.26	0.77	33.50	0.83	33.51	1.41	427,560.50	640,378.83	
977.00	6.90	323.00	975.78	-3.95	41.74	-3.88	41.92	354.69	427,568.74	640,374.12	
1,072.00	7.50	311.10	1,070.03	-12.07	50.37	-11.98	51.78	346.62	427,577.37	640,366.02	
1,167.00	8.00	309.80	1,164.16	-21.84	58.68	-21.73	62.57	339.68	427,585.68	640,356.27	
1,262.00	7.70	312.90	1,258.27	-31.59	67.24	-31.48	74.24	334.92	427,594.24	640,346.52	
1,357.00	7.60	315.40	1,352.43	-40.68	76.05	-40.55	86.18	331.93	427,603.05	640,337.45	
1,453.00	8.10	322.00	1,447.53	-49.32	85.90	-49.17	98.97	330.21	427,612.90	640,328.83	
1,548.00	8.30	329.70	1,541.56	-56.92	97.09	-56.75	112.46	329.69	427,624.09	640,321.25	
1,643.00	8.30	323.70	1,635.57	-64.46	108.54	-64.27	126.14	329.37	427,635.54	640,313.73	
1,739.00	7.90	311.90	1,730.62	-73.49	118.53	-73.28	139.35	328.27	427,645.53	640,304.72	
1,834.00	8.30	312.40	1,824.67	-83.43	127.51	-83.21	152.26	326.87	427,654.51	640,294.79	
1,930.00	8.30	320.00	1,919.67	-93.02	137.49	-92.78	165.87	325.99	427,664.49	640,285.22	
2,025.00	7.60	318.70	2,013.75	-101.59	147.47	-101.33	178.92	325.51	427,674.47	640,276.67	
2,121.00	6.90	302.30	2,109.00	-110.67	155.32	-110.40	190.55	324.60	427,682.32	640,267.60	
2,216.00	7.10	302.90	2,203.29	-120.43	161.56	-120.15	201.34	323.36	427,688.56	640,257.85	
2,312.00	6.60	307.30	2,298.60	-129.81	168.12	-129.52	212.23	322.39	427,695.12	640,248.48	
2,407.00	6.10	311.30	2,393.02	-137.96	174.76	-137.65	222.46	321.77	427,701.76	640,240.35	