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JUL 26 2018

DISTRICT II-ARTESIA O.C.D.

Kathy Coleman 14-23S-27E RB No. 201H

Eddy County, NM

30-015-44611

June 01, 2018

Job No. LNM5170518

ORIGINAL

Survey Completion Report



PRODIRECTIONAL

Survey Certification

June 01, 2018



Operator Name: Matador Resources
Well Name: Kathy Coleman 14-23S-27E RB No. 201H
County/Parish: Eddy County,
State: NM
Rig Name: Patterson 274
Job Number: LNM5170518

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	180' MD – 14,211' MD	14,275' MD	04/24/18 – 05/09/18	MWD

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
Kathy Coleman 14-23S-27E RB
No. 201H
OH**

Survey: ProDirectional

Survey Report

01 June, 2018





ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM(NAD 83)
Site: Kathy Coleman 14-23S-27E RB
Well: No. 201H
Wellbore: OH
Design: MWD-180'-14211', Proj. 14275'

Local Co-ordinate Reference: Well No. 201H
TVD Reference: Well @ 3131.50usft
MD Reference: Well @ 3131.50usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Project Eddy County, NM(NAD 83)

Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone

System Datum: Mean Sea Level

Site Kathy Coleman 14-23S-27E RB

Site Position:	Northing:	476,982.00 usft	Latitude:	32.311168
From: Map	Easting:	596,913.00 usft	Longitude:	-104.153441
Position Uncertainty:	Slot Radius:	13-3/16 "	Grid Convergence:	0.10 °

Well No. 201H

Well Position	+N/-S	0.00 usft	Northing:	476,982.00 usft	Latitude:	32.311168
	+E/-W	0.00 usft	Easting:	596,913.00 usft	Longitude:	-104.153441
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,103.00 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	4/3/2018	7.32	60.07	48,017.70

Design MWD-180'-14211', Proj. 14275'

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	269.78	

Survey Program Date 6/1/2018

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
180.00	14,275.00	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	476,982.00	596,913.00	
180.00	0.40	186.30	180.00	0.07	-0.62	-0.07	0.63	186.30	476,981.38	596,912.93	
Pro MWD First Survey: 180' MD											
240.00	0.60	219.10	240.00	0.29	-1.08	-0.29	1.11	195.08	476,980.92	596,912.71	
331.00	0.80	194.40	330.99	0.76	-2.06	-0.75	2.19	199.96	476,979.94	596,912.25	
409.00	0.60	192.10	408.98	0.98	-2.99	-0.97	3.14	197.98	476,979.01	596,912.03	
518.00	0.90	176.90	517.97	1.06	-4.40	-1.04	4.52	193.33	476,977.60	596,911.96	
608.00	2.70	109.90	607.93	-0.97	-5.83	0.99	5.91	170.37	476,976.17	596,913.99	
699.00	5.60	112.50	698.68	-7.08	-8.26	7.11	10.90	139.28	476,973.74	596,920.11	
790.00	6.20	116.30	789.20	-15.57	-12.13	15.62	19.78	127.85	476,969.87	596,928.62	
881.00	5.70	117.40	879.71	-23.97	-16.39	24.03	29.09	124.30	476,965.61	596,937.03	
976.00	5.10	120.00	974.29	-31.80	-20.67	31.88	37.99	122.96	476,961.33	596,944.88	
1,071.00	6.70	130.30	1,068.79	-39.66	-26.37	39.76	47.71	123.55	476,955.63	596,952.76	
1,166.00	6.00	134.90	1,163.20	-47.38	-33.46	47.51	58.11	125.16	476,948.54	596,960.51	
1,261.00	5.40	135.20	1,257.73	-54.02	-40.14	54.17	67.42	126.53	476,941.86	596,967.17	
1,357.00	6.90	132.90	1,353.18	-61.40	-47.27	61.58	77.63	127.51	476,934.73	596,974.58	
1,452.00	7.70	132.10	1,447.41	-70.27	-55.42	70.48	89.66	128.18	476,926.58	596,983.48	
1,547.00	8.10	133.10	1,541.51	-79.84	-64.26	80.09	102.68	128.74	476,917.74	596,993.09	
1,642.00	8.30	132.60	1,635.53	-89.74	-73.47	90.03	116.20	129.22	476,908.53	597,003.03	
1,737.00	7.60	134.00	1,729.62	-99.28	-82.48	99.59	129.31	129.63	476,899.52	597,012.59	
1,832.00	8.00	133.20	1,823.74	-108.58	-91.37	108.93	142.18	129.99	476,890.63	597,021.93	
1,927.00	6.70	123.30	1,917.96	-118.00	-98.94	118.38	154.28	129.89	476,883.06	597,031.38	
2,022.00	7.20	122.60	2,012.27	-127.62	-105.19	128.03	165.70	129.41	476,876.81	597,041.03	
2,118.00	5.40	128.30	2,107.68	-136.22	-111.23	136.64	176.19	129.15	476,870.77	597,049.64	
2,213.00	4.80	128.10	2,202.31	-142.83	-116.45	143.28	184.63	129.10	476,865.55	597,056.28	
2,309.00	4.20	126.20	2,298.01	-148.81	-121.01	149.28	192.16	129.03	476,860.99	597,062.28	
2,404.00	3.60	125.70	2,392.79	-154.03	-124.80	154.51	198.61	128.93	476,857.20	597,067.51	



ProDirectional Survey Report



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Well: No. 201H
Wellbore: OH
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Survey											
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2,425.00	3.50	127.10	2,413.75	-155.07	-125.57	155.55	199.91	128.91	476,856.43	597,068.55	
2,581.00	3.40	124.90	2,569.47	-162.64	-131.09	163.15	209.29	128.78	476,850.91	597,076.15	
2,675.00	5.20	123.30	2,663.20	-168.47	-135.02	168.99	216.31	128.62	476,846.98	597,081.99	
2,771.00	5.40	125.80	2,758.79	-175.75	-140.06	176.29	225.15	128.47	476,841.94	597,089.29	
2,866.00	5.40	124.20	2,853.37	-183.06	-145.18	183.61	234.08	128.33	476,836.82	597,096.61	
2,962.00	5.40	126.70	2,948.94	-190.39	-150.42	190.97	243.10	128.23	476,831.58	597,103.97	
3,057.00	5.10	128.40	3,043.54	-197.27	-155.72	197.87	251.79	128.20	476,826.28	597,110.87	
3,152.00	5.10	126.20	3,138.17	-203.96	-160.83	204.58	260.23	128.17	476,821.17	597,117.58	
3,247.00	5.00	126.80	3,232.80	-210.67	-165.81	211.30	268.59	128.12	476,816.19	597,124.30	
3,343.00	4.90	126.90	3,328.44	-217.28	-170.77	217.93	276.87	128.08	476,811.23	597,130.93	
3,439.00	7.70	122.30	3,423.85	-225.97	-176.67	226.65	287.37	127.94	476,805.33	597,139.65	
3,534.00	7.90	122.20	3,517.97	-236.85	-183.55	237.55	300.21	127.69	476,798.45	597,150.55	
3,629.00	7.50	123.10	3,612.11	-247.54	-190.42	248.27	312.89	127.49	476,791.58	597,161.27	
3,724.00	6.90	122.30	3,706.36	-257.53	-196.85	258.29	324.75	127.31	476,785.15	597,171.29	
3,820.00	6.80	122.10	3,801.68	-267.20	-202.95	267.98	336.16	127.14	476,779.05	597,180.98	
3,915.00	6.70	123.30	3,896.02	-276.57	-208.99	277.37	347.29	127.00	476,773.01	597,190.37	
4,010.00	6.70	122.50	3,990.37	-285.85	-215.01	286.68	358.35	126.87	476,766.99	597,199.68	
4,106.00	6.70	121.20	4,085.72	-295.34	-220.92	296.19	369.51	126.72	476,761.08	597,209.19	
4,201.00	6.60	121.20	4,180.08	-304.73	-226.62	305.60	380.46	126.56	476,755.38	597,218.60	
4,296.00	6.00	121.10	4,274.50	-313.63	-232.01	314.53	390.84	126.41	476,749.99	597,227.53	
4,391.00	5.20	121.30	4,369.05	-321.54	-236.81	322.46	400.07	126.29	476,745.19	597,235.46	
4,487.00	4.50	123.30	4,464.70	-328.39	-241.14	329.32	408.17	126.21	476,740.86	597,242.32	
4,582.00	4.00	125.70	4,559.44	-334.18	-245.12	335.13	415.20	126.18	476,736.88	597,248.13	
4,677.00	5.30	120.30	4,654.13	-340.65	-249.26	341.61	422.88	126.12	476,732.74	597,254.61	
4,772.00	5.60	119.80	4,748.70	-348.44	-253.78	349.42	431.85	125.99	476,728.22	597,262.42	
4,868.00	7.20	137.60	4,844.11	-356.54	-260.55	357.54	442.40	126.08	476,721.45	597,270.54	
4,963.00	6.70	140.50	4,938.41	-364.04	-269.23	365.08	453.61	126.41	476,712.77	597,278.08	



ProDirectional Survey Report



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Site: Kathy Coleman 14-23S-27E RB
Well: No. 201H
Wellbore: OH
Design: MWD-180°-14211', Proj. 14275'

Local Co-ordinate Reference: Well No. 201H
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North Reference: Grid
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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)	
5,059.00	5.90	141.70	5,033.83	-370.63	-277.42	371.70	463.81	126.74	476,704.58	597,284.70	
5,154.00	4.90	146.00	5,128.41	-375.90	-284.61	376.99	472.37	127.05	476,697.39	597,289.99	
5,250.00	5.90	134.80	5,223.98	-381.67	-291.49	382.79	481.14	127.29	476,690.51	597,295.79	
5,345.00	5.30	135.30	5,318.53	-388.19	-298.05	389.34	490.32	127.44	476,683.95	597,302.34	
5,441.00	5.90	126.10	5,414.07	-395.27	-304.11	396.44	499.65	127.49	476,677.89	597,309.44	
5,535.00	5.40	126.20	5,507.61	-402.73	-309.57	403.92	508.90	127.47	476,672.43	597,316.92	
5,631.00	4.60	124.30	5,603.25	-409.53	-314.40	410.74	517.26	127.43	476,667.60	597,323.74	
5,726.00	4.60	126.90	5,697.94	-415.71	-318.84	416.94	524.87	127.41	476,663.16	597,329.94	
5,822.00	3.70	125.20	5,793.69	-421.30	-322.94	422.55	531.82	127.39	476,659.06	597,335.55	
5,917.00	4.20	128.40	5,888.46	-426.52	-326.86	427.78	538.36	127.38	476,655.14	597,340.78	
6,013.00	5.60	124.30	5,984.11	-433.12	-331.69	434.40	546.55	127.36	476,650.31	597,347.40	
6,108.00	5.10	124.10	6,078.70	-440.43	-336.67	441.73	555.40	127.31	476,645.33	597,354.73	
6,203.00	4.20	123.60	6,173.38	-446.81	-340.96	448.12	563.09	127.27	476,641.04	597,361.12	
6,299.00	4.10	122.50	6,269.13	-452.62	-344.75	453.94	570.01	127.21	476,637.25	597,366.94	
6,394.00	4.00	120.40	6,363.89	-458.33	-348.25	459.67	576.69	127.15	476,633.75	597,372.67	
6,489.00	3.70	119.40	6,458.68	-463.84	-351.43	465.19	583.02	127.07	476,630.57	597,378.19	
6,585.00	2.80	122.20	6,554.52	-468.51	-354.20	469.88	588.42	127.01	476,627.80	597,382.88	
6,680.00	3.00	128.20	6,649.40	-472.42	-356.98	473.79	593.22	127.00	476,625.02	597,386.79	
6,775.00	3.50	125.60	6,744.25	-476.72	-360.20	478.11	598.61	126.99	476,621.80	597,391.11	
6,871.00	3.50	123.80	6,840.07	-481.52	-363.54	482.92	604.46	126.97	476,618.46	597,395.92	
6,966.00	2.80	128.90	6,934.93	-485.73	-366.61	487.14	609.68	126.96	476,615.39	597,400.14	
7,061.00	1.20	112.60	7,029.87	-488.44	-368.45	489.86	612.96	126.95	476,613.55	597,402.86	
7,157.00	0.60	107.50	7,125.85	-489.85	-368.98	491.27	614.41	126.91	476,613.02	597,404.27	
7,252.00	1.20	121.10	7,220.84	-491.17	-369.65	492.60	615.87	126.88	476,612.35	597,405.60	
7,347.00	2.00	141.20	7,315.81	-493.06	-371.45	494.49	618.46	126.91	476,610.55	597,407.49	
7,442.00	2.10	135.10	7,410.74	-495.32	-373.98	496.75	621.79	126.97	476,608.02	597,409.75	
7,537.00	2.10	144.60	7,505.68	-497.54	-376.63	498.99	625.17	127.04	476,605.37	597,411.99	



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7,632.00	1.90	152.60	7,600.62	-499.26	-379.45	500.72	628.26	127.15	476,602.55	597,413.72
7,727.00	1.10	163.40	7,695.59	-500.24	-381.72	501.71	630.41	127.27	476,600.28	597,414.71
7,822.00	0.30	249.40	7,790.58	-500.26	-382.68	501.74	631.02	127.33	476,599.32	597,414.74
7,917.00	0.90	312.20	7,885.58	-499.48	-382.27	500.95	630.14	127.35	476,599.73	597,413.95
8,013.00	0.80	329.40	7,981.57	-498.59	-381.18	500.05	628.77	127.32	476,600.82	597,413.05
8,108.00	1.90	30.70	8,076.54	-499.06	-379.26	500.52	627.98	127.15	476,602.74	597,413.52
8,203.00	2.40	5.90	8,171.48	-500.08	-375.93	501.53	626.78	126.85	476,606.07	597,414.53
8,298.00	2.60	354.80	8,266.39	-500.11	-371.80	501.54	624.32	126.55	476,610.20	597,414.54
8,394.00	0.60	19.90	8,362.35	-500.09	-369.16	501.51	622.73	126.36	476,612.84	597,414.51
8,489.00	2.20	167.50	8,457.33	-500.65	-370.47	502.07	623.96	126.42	476,611.53	597,415.07
8,584.00	3.00	168.00	8,552.23	-501.54	-374.68	502.99	627.20	126.68	476,607.32	597,415.99
8,685.00	2.30	171.50	8,653.12	-502.38	-379.27	503.84	630.63	126.97	476,602.73	597,416.84
8,780.00	5.10	251.20	8,747.96	-498.64	-382.52	500.12	629.64	127.41	476,599.48	597,413.12
8,811.00	11.10	260.60	8,778.64	-494.39	-383.45	495.86	626.83	127.71	476,598.55	597,408.86
8,875.00	20.60	268.80	8,840.14	-477.01	-384.70	478.49	613.96	128.80	476,597.30	597,391.49
8,970.00	26.10	266.20	8,927.33	-439.41	-386.44	440.90	586.28	131.23	476,595.56	597,353.90
9,066.00	32.20	263.10	9,011.14	-392.88	-390.91	394.39	555.30	134.75	476,591.09	597,307.39
9,161.00	41.10	259.60	9,087.29	-336.89	-399.61	338.43	523.66	139.74	476,582.39	597,251.43
9,256.00	52.30	256.90	9,152.34	-269.30	-413.81	270.89	494.59	146.79	476,568.19	597,183.89
9,352.00	65.00	260.90	9,202.20	-188.94	-429.37	190.59	469.77	156.06	476,552.63	597,103.59
9,383.00	70.00	263.90	9,214.06	-160.55	-433.14	162.21	462.52	159.47	476,548.86	597,075.21
9,474.00	77.50	271.90	9,239.55	-73.37	-436.22	75.05	442.63	170.24	476,545.78	596,988.05
9,568.00	80.70	265.50	9,257.34	18.85	-438.34	-17.17	438.68	182.24	476,543.66	596,895.83
9,601.00	84.00	263.60	9,261.73	51.41	-441.45	-49.72	444.24	186.43	476,540.55	596,863.28
9,665.00	90.40	261.10	9,264.85	114.76	-449.96	-113.04	463.94	194.10	476,532.04	596,799.96
9,759.00	91.40	263.50	9,263.38	207.94	-462.55	-206.17	506.42	204.02	476,519.45	596,706.83
9,855.00	95.30	266.40	9,257.77	303.41	-470.99	-301.60	559.28	212.63	476,511.01	596,611.40



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Site: Kathy Coleman 14-23S-27E RB
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Wellbore: OH
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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)	
9,949.00	92.90	268.30	9,251.05	397.07	-475.32	-395.25	618.18	219.75	476,506.68	596,517.75	
10,044.00	91.70	268.00	9,247.23	491.96	-478.38	-490.12	684.89	225.69	476,503.62	596,422.88	
10,139.00	92.80	269.20	9,243.50	586.86	-480.70	-585.02	757.18	230.59	476,501.30	596,327.98	
10,234.00	91.80	269.20	9,239.69	681.78	-482.03	-679.93	833.46	234.67	476,499.97	596,233.07	
10,329.00	93.70	270.60	9,235.13	776.66	-482.19	-774.82	912.61	238.10	476,499.81	596,138.18	
10,425.00	93.10	270.60	9,229.44	872.48	-481.19	-870.64	994.77	241.07	476,500.81	596,042.36	
10,520.00	92.20	270.00	9,225.05	967.38	-480.69	-965.54	1,078.58	243.53	476,501.31	595,947.46	
10,616.00	91.50	269.80	9,221.95	1,063.32	-480.86	-1,061.49	1,165.32	245.63	476,501.14	595,851.51	
10,711.00	90.40	269.90	9,220.37	1,158.31	-481.11	-1,156.47	1,252.55	247.41	476,500.89	595,756.53	
10,806.00	91.90	270.50	9,218.47	1,253.29	-480.78	-1,251.45	1,340.62	248.98	476,501.22	595,661.55	
10,901.00	93.80	271.00	9,213.74	1,348.15	-479.54	-1,346.32	1,429.17	250.39	476,502.46	595,566.68	
10,997.00	93.10	270.20	9,207.97	1,443.96	-478.53	-1,442.14	1,519.46	251.64	476,503.47	595,470.86	
11,093.00	91.10	268.50	9,204.45	1,539.89	-479.62	-1,538.06	1,611.11	252.68	476,502.38	595,374.94	
11,188.00	93.30	268.60	9,200.80	1,634.79	-482.03	-1,632.95	1,702.61	253.55	476,499.97	595,280.05	
11,282.00	94.00	268.80	9,194.82	1,728.58	-484.15	-1,726.74	1,793.33	254.34	476,497.85	595,186.26	
11,376.00	93.90	269.00	9,188.34	1,822.35	-485.95	-1,820.50	1,884.24	255.05	476,496.05	595,092.50	
11,471.00	93.10	268.40	9,182.54	1,917.15	-488.11	-1,915.29	1,976.51	255.70	476,493.89	594,997.71	
11,567.00	92.50	268.30	9,177.85	2,013.01	-490.87	-2,011.14	2,070.18	256.28	476,491.13	594,901.86	
11,662.00	92.50	267.60	9,173.71	2,107.87	-494.26	-2,105.99	2,163.21	256.79	476,487.74	594,807.01	
11,758.00	91.90	268.10	9,170.02	2,203.74	-497.86	-2,201.85	2,257.43	257.26	476,484.14	594,711.15	
11,853.00	91.90	269.90	9,166.87	2,298.68	-499.52	-2,296.78	2,350.47	257.73	476,482.48	594,616.22	
11,948.00	90.00	271.50	9,165.30	2,393.65	-498.36	-2,391.75	2,443.12	258.23	476,483.64	594,521.25	
12,043.00	87.70	270.80	9,167.21	2,488.59	-496.45	-2,486.70	2,535.78	258.71	476,485.55	594,426.30	
12,138.00	88.10	271.60	9,170.69	2,583.50	-494.46	-2,581.62	2,628.54	259.16	476,487.54	594,331.38	
12,234.00	87.10	271.40	9,174.71	2,679.37	-491.95	-2,677.50	2,722.32	259.59	476,490.05	594,235.50	
12,329.00	89.30	269.80	9,177.69	2,774.30	-490.96	-2,772.44	2,815.57	259.96	476,491.04	594,140.56	
12,425.00	92.90	271.00	9,175.85	2,870.26	-490.29	-2,868.40	2,910.00	260.30	476,491.71	594,044.60	



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM(NAD 83)
Site: Kathy Coleman 14-23S-27E RB
Well: No. 201H
Wellbore: OH
Design: MWD-180'-14211', Proj. 14275'

Local Co-ordinate Reference: Well No. 201H
TVD Reference: Well @ 3131.50usft
MD Reference: Well @ 3131.50usft
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)	
12,521.00	92.20	269.80	9,171.58	2,966.16	-489.62	-2,964.30	3,004.47	260.62	476,492.38	593,948.70	
12,616.00	93.50	269.00	9,166.85	3,061.04	-490.61	-3,059.18	3,098.27	260.89	476,491.39	593,853.82	
12,711.00	90.50	267.50	9,163.54	3,155.93	-493.51	-3,154.06	3,192.44	261.11	476,488.49	593,758.94	
12,807.00	96.90	269.30	9,157.35	3,251.65	-496.19	-3,249.77	3,287.43	261.32	476,485.81	593,663.23	
12,902.00	97.30	269.40	9,145.60	3,345.92	-497.26	-3,344.03	3,380.80	261.54	476,484.74	593,568.97	
12,998.00	94.90	271.00	9,135.40	3,441.36	-496.92	-3,439.48	3,475.19	261.78	476,485.08	593,473.52	
13,093.00	94.20	270.80	9,127.87	3,536.04	-495.44	-3,534.17	3,568.73	262.02	476,486.56	593,378.83	
13,188.00	94.60	271.60	9,120.58	3,630.73	-493.45	-3,628.87	3,662.26	262.26	476,488.55	593,284.13	
13,283.00	89.20	273.40	9,117.43	3,725.54	-489.31	-3,723.69	3,755.70	262.51	476,492.69	593,189.31	
13,379.00	88.00	272.50	9,119.78	3,821.36	-484.37	-3,819.53	3,850.12	262.77	476,497.63	593,093.47	
13,474.00	90.80	274.10	9,120.77	3,916.16	-478.90	-3,914.35	3,943.54	263.02	476,503.10	592,998.65	
13,569.00	90.30	275.40	9,119.86	4,010.80	-471.04	-4,009.02	4,036.60	263.30	476,510.96	592,903.98	
13,664.00	94.70	279.20	9,115.71	4,104.85	-458.99	-4,103.12	4,128.71	263.62	476,523.01	592,809.88	
13,759.00	91.20	281.00	9,110.82	4,198.17	-442.35	-4,196.50	4,219.75	263.98	476,539.65	592,716.50	
13,856.00	92.50	279.00	9,107.69	4,293.58	-425.52	-4,291.97	4,313.02	264.34	476,556.48	592,621.03	
13,951.00	89.20	276.90	9,106.28	4,387.58	-412.38	-4,386.03	4,405.38	264.63	476,569.62	592,526.97	
14,047.00	86.80	274.90	9,109.63	4,482.97	-402.52	-4,481.45	4,499.49	264.87	476,579.48	592,431.55	
14,143.00	86.40	275.30	9,115.33	4,578.38	-394.00	-4,576.90	4,593.83	265.08	476,588.00	592,336.10	
14,211.00	87.10	275.40	9,119.18	4,645.95	-387.67	-4,644.50	4,660.65	265.23	476,594.33	592,268.50	
Last Survey: 14211' MD											
14,275.00	87.10	275.40	9,122.42	4,709.56	-381.66	-4,708.13	4,723.58	265.37	476,600.34	592,204.87	
PTB: 14275' MD											



ProDirectional
Survey Report



Company: Matador Resources
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Site: Kathy Coleman 14-23S-27E RB
Well: No. 201H
Wellbore: OH
Design: MWD-180'-14211', Proj. 14275'

Local Co-ordinate Reference: Well No. 201H
TVD Reference: Well @ 3131.50usft
MD Reference: Well @ 3131.50usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
180.00	180.00	-0.62	-0.07	Pro MWD First Survey: 180' MD
14,211.00	9,119.18	-387.67	-4,644.50	Last Survey: 14211' MD
14,275.00	9,122.42	-381.66	-4,708.13	PTB: 14275' MD