



PRODIRECTIONAL

NM OIL CONSERVATION  
ARTESIA DISTRICT

OCT 03 2017

RECEIVED



Stebbins Fed 20 No. 133H

Eddy County, NM

30-015-44183

June 23, 2017

Job No. LNM5140017

## Survey Completion Report



**PRODIRECTIONAL**

*Survey Certification Letter*

June 23, 2017



Operator Name: Matador Resources  
Well Name: Stebbins Federal 20 No. 133H  
County/Parish: Eddy County,  
State: NM  
Rig Name: Patterson 809  
Job Number: LNM5140017

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	1,254' MD – 13,678' MD	13,878' MD	05/23/17 – 06/01/17	MWD-OWSG

Sincerely,

Mike Coats  
Well Planning  
Professional Directional

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

[prodirectional.com](http://prodirectional.com)

*The Standard of Excellence in Directional Supervision*



## **Matador Resources**

**Eddy County, NM  
Stebbins Federal 20  
No. 133H  
OH**

**Survey: ProDirectional**

## **Survey Report**

**23 June, 2017**





**ProDirectional**  
Survey Report



**Company:** Matador Resources  
**Project:** Eddy County, NM  
**Site:** Stebbins Federal 20 (113-123-133-203)  
**Well:** No. 133H  
**Wellbore:** OH  
**Design:** Gyro-MWD

**Local Co-ordinate Reference:**  
**TVD Reference:** Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Pat#809))  
**MD Reference:** Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Pat#809))  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature  
**Database:** WellPlanner1

**Well No. 133H**  
**Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Pat#809))**  
**Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Pat#809))**  
**Grid**  
**Minimum Curvature**  
**WellPlanner1**

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

**Site:** Stebbins Federal 20 (113-123-133-203)  
**Site Position:** Northing: 566,123.00 usft      Latitude: 32.5561722°N  
 Easting: 570,396.00 usft      Longitude: 104.1048560°W  
**From:** Map      Slot Radius: 13-3/16"      Grid Convergence: 0.12°  
**Position Uncertainty:** 3.30 usft

**Well:** No. 133H  
**Well Position:** +N/-S      0.00 usft      Northing: 566,183.00 usft      Latitude: 32.5563371°N  
 +E/-W      0.00 usft      Easting: 570,396.00 usft      Longitude: 104.1048555°W  
**Position Uncertainty:** 1.10 usft      Wellhead Elevation: 0.00 usft      Ground Level: 3,245.00 usft

**Wellbore:** OH  
**Magnetics:** Model Name      Sample Date      Dip Angle      Field Strength (nT)  
 HDGM      8/3/2016      60.42      48,286.90  
 Declination (°)      7.47

**Design:** Gyro-MWD  
**Audit Notes:**  
**Version:** 1.0      Phase: ACTUAL      Tie On Depth: 0.00  
**Vertical Section:** Depth From (TVD) (usft)      +N/-S (usft)      Direction (°)  
 0.00      0.00      90.05



**ProDirectional**  
Survey Report



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 Design: Gyro-MWD

Local Co-ordinate Reference: Well No. 133H  
 TVD Reference: Well @ 3273.50ustf (GL: 3245' + KB: 28.5' (Patt809))  
 MD Reference: Well @ 3273.50ustf (GL: 3245' + KB: 28.5' (Patt809))  
 North Reference: Grid  
 Survey Calculation Method: Minimum Curvature  
 Database: WellPlanner1

Survey Program	From (usft)	To (usft)	Date	Survey (Wellbore)	Description	Tool Name	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
	23.87	1,060.00		Gyro (OH)	Gyrocompass Gyro	GYRO-NS	0.00	0.00	0.00	0.00	0.00	0.00	566,183.00	570,396.00
	1,254.00	13,878.00	6/1/2017	Survey #2 (OH)	MWD - OWSG	MWD - OWSG	23.87	-0.01	0.04	-0.01	0.04	343.37	566,183.04	570,395.99
							116.70	-0.11	0.47	-0.11	0.48	346.42	566,183.47	570,395.89
							209.53	-0.43	1.07	-0.43	1.15	338.19	566,184.07	570,395.57
							302.35	-0.92	1.91	-0.92	2.12	334.32	566,184.91	570,395.08
							395.19	-0.94	2.87	-0.94	3.02	341.83	566,185.87	570,395.06
							488.02	-0.31	3.54	-0.31	3.55	355.00	566,186.54	570,395.69
							580.85	0.77	3.62	0.73	3.69	11.39	566,186.62	570,396.73
							673.68	1.00	3.14	2.07	3.76	33.40	566,186.14	570,398.07
							766.51	1.13	2.25	3.54	4.20	57.56	566,185.25	570,399.54
							859.34	1.11	1.15	4.98	5.11	77.04	566,184.15	570,400.98
							952.17	0.74	6.09	6.09	6.09	88.68	566,183.14	570,402.09
							1,045.00	0.60	6.76	6.76	6.80	95.94	566,182.30	570,402.76
							1,060.00	0.58	6.84	6.84	6.89	96.95	566,182.17	570,402.84
							1,254.00	0.50	7.31	7.31	7.73	108.99	566,180.48	570,403.31
<b>Pro MWD First Survey: 1254' MD</b>														
	1,349.00			1.60			1,348.89	6.35	-1.99	6.35	6.66	107.39	566,181.01	570,402.95
	1,443.00			3.30			1,442.80	3.77	1.08	3.77	3.92	73.97	566,184.08	570,399.77
	1,536.00			2.80			1,535.67	0.81	5.05	0.82	5.12	9.18	566,188.05	570,396.82
	1,630.00			2.90			1,629.55	-1.68	9.00	-1.67	9.15	349.49	566,192.00	570,394.33
	1,723.00			2.50			1,722.45	-3.58	12.94	-3.57	13.42	344.59	566,195.94	570,392.43



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**Survey Calculation Method:** Minimum Curvature  
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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)
1,817.00	2.90	334.90	1,816.35	-5.36	16.99	-5.34	17.81	342.55	566,199.99	570,390.66
1,911.00	4.60	334.70	1,910.14	-7.98	22.56	-7.96	23.92	340.56	566,205.56	570,388.04
2,004.00	4.50	333.90	2,002.85	-11.18	29.20	-11.16	31.26	339.09	566,212.20	570,384.84
2,098.00	4.10	333.40	2,096.58	-14.32	35.52	-14.29	36.29	338.09	566,218.52	570,381.71
2,191.00	3.90	333.60	2,189.36	-17.22	41.33	-17.18	44.76	337.43	566,224.33	570,378.82
2,285.00	3.40	335.00	2,283.17	-19.82	46.72	-19.78	50.73	337.05	566,229.72	570,376.22
2,379.00	2.90	339.80	2,377.02	-21.82	51.47	-21.78	55.89	337.07	566,234.47	570,374.22
2,473.00	2.60	339.40	2,470.92	-23.40	55.70	-23.35	60.40	337.26	566,238.70	570,372.65
2,566.00	2.60	327.40	2,563.82	-25.28	59.45	-25.23	64.58	337.01	566,242.45	570,370.77
2,660.00	2.40	329.50	2,657.73	-27.43	62.94	-27.38	68.64	336.49	566,245.94	570,368.62
2,753.00	2.00	334.60	2,750.66	-29.12	66.09	-29.06	72.20	336.26	566,249.09	570,366.94
2,847.00	1.70	331.90	2,844.61	-30.48	68.80	-30.42	75.23	336.15	566,251.80	570,365.58
2,940.00	1.80	332.90	2,937.57	-31.80	71.32	-31.74	78.06	336.01	566,254.32	570,364.26
3,034.00	1.60	337.60	3,031.53	-32.97	73.84	-32.91	80.85	335.98	566,256.84	570,363.09
3,066.00	1.80	336.80	3,057.52	-33.27	74.56	-33.21	81.62	335.99	566,257.56	570,362.79
3,123.00	2.00	335.70	3,120.48	-34.12	76.47	-34.05	83.71	336.00	566,259.47	570,361.95
3,216.00	1.50	311.30	3,213.44	-35.70	78.75	-35.63	86.44	335.65	566,261.75	570,360.37
3,309.00	1.40	310.60	3,306.41	-37.48	80.29	-37.41	88.58	335.02	566,263.29	570,358.59
3,402.00	2.80	333.10	3,399.35	-39.37	83.06	-39.30	91.89	334.68	566,266.06	570,356.70
3,496.00	3.10	336.20	3,493.22	-41.44	87.43	-41.37	96.72	334.68	566,270.43	570,354.63
3,590.00	2.90	0.90	3,587.10	-42.43	92.13	-42.35	101.40	335.31	566,275.13	570,353.65
3,683.00	3.10	10.70	3,679.97	-41.93	96.96	-41.85	105.60	336.65	566,279.96	570,354.15
3,777.00	3.20	12.30	3,773.83	-40.91	102.02	-40.82	109.88	338.19	566,285.02	570,355.18
3,870.00	3.00	8.70	3,866.69	-39.99	106.96	-39.90	114.16	339.54	566,289.96	570,356.10
3,963.00	3.60	348.50	3,959.54	-40.21	112.23	-40.11	119.18	340.33	566,295.23	570,355.89
4,057.00	3.70	343.20	4,053.35	-41.68	118.02	-41.58	125.13	340.59	566,301.02	570,354.42
4,150.00	4.00	346.20	4,146.14	-43.33	124.04	-43.22	131.36	340.79	566,307.04	570,352.78



**ProDIREctional**  
Survey Report



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4,243.00	4.30	345.40	4,238.90	-44.98	130.57	-44.87	138.06	341.03	566,313.57	570,351.13
4,337.00	4.10	345.20	4,332.64	-46.74	137.23	-48.62	144.93	341.24	566,320.23	570,349.38
4,431.00	4.40	346.00	4,426.39	-48.47	143.98	-48.35	151.88	341.44	566,326.98	570,347.65
4,524.00	4.60	344.70	4,519.10	-50.33	151.03	-50.19	159.16	341.62	566,334.03	570,345.81
4,618.00	4.80	343.10	4,612.78	-52.47	158.43	-52.33	166.85	341.72	566,341.43	570,343.67
4,711.00	4.70	341.00	4,705.46	-54.85	165.76	-54.70	174.55	341.74	566,348.76	570,341.30
4,804.00	5.00	344.30	4,798.13	-57.19	173.26	-57.04	182.41	341.78	566,356.26	570,338.96
4,898.00	5.10	339.70	4,891.77	-59.76	181.12	-59.60	190.68	341.79	566,364.12	570,336.40
4,991.00	4.00	342.00	4,984.47	-62.20	188.09	-62.04	198.05	341.75	566,371.09	570,333.96
5,084.00	3.70	336.70	5,077.26	-64.39	193.93	-64.23	204.29	341.68	566,376.93	570,331.77
5,178.00	3.90	329.10	5,171.06	-67.24	199.46	-67.07	210.43	341.41	566,382.46	570,328.93
5,271.00	3.70	330.00	5,263.85	-70.37	204.77	-70.19	216.46	341.08	566,387.77	570,325.81
5,365.00	2.60	333.90	5,357.71	-72.83	209.31	-72.65	221.56	340.86	566,392.31	570,323.35
5,458.00	0.40	286.50	5,450.67	-74.07	211.30	-73.89	223.84	340.73	566,394.30	570,322.11
5,552.00	0.30	192.10	5,544.67	-74.44	211.15	-74.25	223.82	340.63	566,394.15	570,321.75
5,646.00	0.70	263.20	5,638.87	-75.06	210.84	-74.87	223.74	340.45	566,393.84	570,321.13
5,739.00	0.70	276.00	5,731.66	-76.19	210.83	-76.00	224.11	340.18	566,393.83	570,320.00
5,833.00	0.80	306.60	5,825.65	-77.28	211.28	-77.10	224.91	339.95	566,394.28	570,318.90
5,926.00	0.60	309.40	5,918.65	-78.18	211.98	-78.00	225.87	339.80	566,394.98	570,318.00
6,020.00	0.80	327.40	6,012.64	-78.92	212.85	-78.73	226.94	339.70	566,395.85	570,317.27
6,114.00	1.00	24.10	6,106.63	-78.94	214.15	-78.75	228.17	339.81	566,397.15	570,317.25
6,207.00	1.20	338.90	6,199.61	-78.96	215.80	-78.77	229.72	339.95	566,398.80	570,317.23
6,301.00	1.90	322.90	6,293.58	-80.25	217.96	-80.06	232.20	339.83	566,400.96	570,315.94
6,395.00	2.10	326.30	6,387.52	-82.15	220.63	-81.96	235.36	339.62	566,403.63	570,314.04
6,488.00	1.10	296.10	6,480.49	-83.90	222.44	-83.71	237.67	339.38	566,405.44	570,312.29
6,582.00	1.10	251.80	6,574.47	-85.57	222.56	-85.37	238.37	339.01	566,405.56	570,310.63
6,675.00	1.20	240.30	6,667.45	-87.26	221.80	-87.07	238.28	338.57	566,404.80	570,308.93



# ProDirectional Survey Report



Company: Matador Resources  
 Project: Eddy County, NIM  
 Site: Stebbins Federal 20 (113-123-133-203)  
 Well: No. 133H  
 Wellbore: OH  
 Design: Gyro-MWD

Local Co-ordinate Reference:  
 TVD Reference:  
 MD Reference:  
 North Reference:  
 Survey Calculation Method:  
 Database:

Well No. 133H  
 Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Pat809))  
 Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Pat809))  
 Grid  
 Minimum Curvature  
 WellPlanner1

MD (usft)	Inc (")	Azi (azimuth) (")	TVD (usft)	V. Sec (usft)	NIS (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (")	Northing (usft)	Easting (usft)
6,769.00	0.80	232.20	6,761.44	-88.63	220.91	-88.44	237.95	338.18	566,403.91	570,307.56
6,862.00	1.00	224.10	6,854.43	-89.71	219.93	-89.52	237.45	337.85	566,402.93	570,306.48
6,955.00	0.80	199.70	6,947.42	-90.49	218.73	-90.30	236.64	337.57	566,401.73	570,305.70
7,048.00	1.20	189.90	7,041.40	-90.88	217.15	-90.69	235.32	337.33	566,400.15	570,305.31
7,142.00	1.90	206.40	7,134.37	-91.73	214.81	-91.55	233.50	336.92	566,397.81	570,304.45
7,236.00	3.00	214.10	7,228.28	-93.80	211.37	-93.62	231.18	336.11	566,394.37	570,302.38
7,329.00	3.30	217.70	7,321.14	-96.80	207.24	-96.62	228.66	335.00	566,390.24	570,299.38
7,424.00	3.20	223.20	7,415.99	-100.28	203.14	-100.11	226.47	333.77	566,386.14	570,295.89
7,517.00	0.30	173.90	7,508.93	-102.03	201.01	-101.86	225.34	333.13	566,384.01	570,294.14
7,611.00	0.40	117.80	7,602.83	-101.72	200.61	-101.54	224.85	333.15	566,383.61	570,294.46
7,705.00	0.60	137.50	7,696.93	-101.09	200.09	-100.92	224.10	333.24	566,383.09	570,295.08
7,798.00	0.90	144.70	7,789.92	-100.34	199.14	-100.17	222.91	333.30	566,382.14	570,295.83
7,891.00	1.80	153.20	7,882.89	-99.26	197.24	-99.09	220.73	333.33	566,380.24	570,296.91
7,985.00	1.90	154.80	7,976.85	-97.93	194.51	-97.76	217.70	333.32	566,377.51	570,298.24
8,079.00	1.20	158.90	8,070.81	-96.91	192.18	-96.74	215.16	333.28	566,375.18	570,299.26
8,172.00	0.30	115.40	8,163.80	-96.34	191.17	-96.17	214.00	333.30	566,374.17	570,299.83
8,266.00	1.80	70.60	8,257.78	-94.72	191.56	-94.55	213.62	333.73	566,374.56	570,301.45
8,359.00	3.70	74.90	8,350.67	-90.45	192.82	-90.28	212.91	334.91	566,375.82	570,305.72
8,453.00	3.30	88.40	8,444.50	-84.82	193.69	-84.65	211.38	336.39	566,376.69	570,311.35
8,484.00	3.00	90.60	8,475.45	-83.11	193.70	-82.94	210.72	336.82	566,376.70	570,313.06
8,530.00	2.20	93.50	8,521.40	-81.03	193.64	-80.86	209.84	337.34	566,376.64	570,315.14
8,577.00	6.60	83.00	8,568.26	-77.44	193.91	-77.28	208.74	338.27	566,376.91	570,318.72
8,623.00	13.00	81.20	8,613.56	-69.70	195.03	-69.53	207.05	340.38	566,378.03	570,326.47
8,670.00	20.70	83.80	8,658.51	-56.20	196.74	-56.03	204.56	344.10	566,379.74	570,339.97
8,717.00	26.60	90.50	8,701.55	-37.40	197.54	-37.23	201.02	349.33	566,380.54	570,358.77
8,764.00	32.00	97.80	8,742.54	-14.51	195.76	-14.34	196.28	355.81	566,378.76	570,381.66
8,811.00	36.20	99.00	8,781.45	11.55	191.90	11.71	192.25	349	566,374.90	570,407.71





**ProDirectional**  
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 Database:

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 Minimum Curvature  
 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)	
	8,858.00	41.30	97.20	8,818.09	40.67	187.78	40.83	192.17	12.27	566,370.78	570,436.83	
	8,904.00	43.50	94.30	8,852.06	71.52	184.69	71.69	198.11	21.21	566,367.69	570,467.69	
	8,951.00	45.00	92.90	8,885.73	104.26	182.63	104.41	210.37	29.76	566,365.63	570,500.41	
	8,998.00	46.40	92.40	8,918.55	137.86	181.08	138.02	227.68	37.31	566,364.08	570,534.02	
	9,045.00	48.40	91.60	8,950.36	172.43	179.88	172.59	249.28	43.82	566,362.88	570,568.59	
	9,080.00	50.00	91.06	8,973.23	198.92	179.26	199.07	267.89	48.00	566,362.26	570,595.07	
	<b>HL Xing: 9080' MD</b>											
	9,091.00	50.50	90.90	8,980.27	207.37	179.12	207.53	274.14	49.20	566,362.12	570,603.53	
	9,138.00	53.00	90.30	9,009.36	244.28	178.73	244.44	302.81	53.83	566,361.73	570,640.44	
	9,184.00	55.70	90.80	9,036.17	281.65	178.37	281.81	333.52	57.67	566,361.37	570,677.81	
	9,231.00	57.90	91.10	9,061.90	320.97	177.72	321.13	367.03	61.04	566,360.72	570,717.13	
	9,278.00	60.20	92.20	9,086.07	361.26	176.55	361.42	402.24	63.96	566,359.55	570,757.42	
	9,325.00	63.00	92.30	9,108.43	402.57	174.93	402.72	439.08	66.52	566,357.93	570,798.72	
	9,371.00	65.10	92.90	9,128.55	443.89	173.05	444.04	476.57	68.71	566,356.05	570,840.04	
	9,418.00	67.60	93.50	9,147.41	486.87	170.65	487.02	516.05	70.69	566,353.85	570,883.02	
	9,465.00	73.30	94.40	9,163.13	531.04	167.59	531.19	557.00	72.49	566,350.59	570,927.19	
	9,512.00	79.50	94.70	9,174.18	576.56	163.97	576.70	599.56	74.13	566,346.97	570,972.70	
	9,558.00	85.20	91.70	9,180.30	622.06	161.43	622.20	642.80	75.46	566,344.43	571,018.20	
	9,605.00	88.30	90.50	9,182.96	668.97	160.53	669.11	688.10	76.51	566,343.53	571,065.11	
	9,652.00	88.80	90.60	9,184.15	715.95	160.08	716.09	733.77	77.40	566,343.08	571,112.09	
	9,745.00	89.90	90.90	9,185.21	808.94	158.86	809.08	824.53	78.89	566,341.86	571,205.08	
	9,839.00	91.40	91.60	9,184.14	902.91	156.81	903.04	916.56	80.15	566,339.81	571,299.04	
	9,932.00	92.00	91.00	9,181.38	995.84	154.70	995.98	1,007.92	81.17	566,337.70	571,391.98	
	10,025.00	88.30	90.10	9,181.14	1,088.82	153.81	1,088.96	1,099.77	81.96	566,336.81	571,484.96	
	10,119.00	88.60	89.90	9,183.68	1,182.79	153.81	1,182.92	1,192.88	82.59	566,336.81	571,578.92	
	10,212.00	88.90	90.30	9,185.71	1,275.77	153.65	1,275.90	1,285.12	83.13	566,336.65	571,671.90	
	10,305.00	89.40	89.90	9,187.09	1,368.75	153.49	1,368.89	1,377.47	83.60	566,336.49	571,764.99	



**ProDirectional**  
Survey Report



Company: Matador Resources  
 Project: Eddy County, NM  
 Site: Stebbins Federal 20 (113-123-133-203)  
 Well: No. 133H  
 Wellbore: OH  
 Design: Gyro-MWD

Local Co-ordinate Reference: Well No. 133H  
 TVD Reference: Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Pat809))  
 MD Reference: Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Pat809))  
 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)
	10,399.00	89.90	90.20	9,187.66	1,462.75	153.41	1,462.89	1,470.91	84.01	566,336.41	571,858.89
	10,493.00	87.50	90.60	9,189.80	1,556.72	152.75	1,556.85	1,564.33	84.40	566,335.75	571,952.85
	10,586.00	87.70	90.40	9,193.69	1,649.64	151.94	1,649.77	1,656.75	84.74	566,334.94	572,045.77
	10,679.00	89.10	90.60	9,196.29	1,742.59	151.13	1,742.73	1,749.27	85.04	566,334.13	572,138.73
	10,773.00	89.70	90.80	9,197.27	1,836.58	149.98	1,836.71	1,842.83	85.33	566,332.98	572,232.71
	10,867.00	90.30	90.40	9,197.27	1,930.58	148.99	1,930.71	1,936.45	85.59	566,331.99	572,326.71
	10,960.00	91.10	90.40	9,196.13	2,023.57	148.35	2,023.70	2,029.13	85.81	566,331.35	572,419.70
	11,054.00	90.90	90.10	9,194.49	2,117.55	147.94	2,117.68	2,122.84	86.00	566,330.94	572,513.68
	11,148.00	91.60	89.90	9,192.44	2,211.53	147.94	2,211.66	2,216.60	86.17	566,330.94	572,607.66
	11,241.00	93.30	89.70	9,188.47	2,304.44	148.26	2,304.57	2,309.33	86.32	566,331.26	572,700.57
	11,335.00	92.10	90.00	9,184.04	2,398.33	148.51	2,398.46	2,403.06	86.46	566,331.51	572,794.46
	11,429.00	93.00	89.90	9,179.86	2,492.24	148.59	2,492.37	2,496.80	86.59	566,331.59	572,888.37
	11,522.00	94.60	89.70	9,173.69	2,585.03	148.91	2,585.16	2,589.45	86.70	566,331.91	572,981.16
	11,616.00	95.60	89.10	9,165.34	2,678.65	149.89	2,678.78	2,682.97	86.80	566,332.89	573,074.78
	11,709.00	92.40	88.90	9,158.85	2,771.40	151.51	2,771.53	2,775.67	86.87	566,334.51	573,167.53
	11,803.00	90.40	89.40	9,156.56	2,865.35	152.90	2,865.49	2,869.56	86.95	566,335.90	573,261.49
	11,896.00	88.70	89.60	9,157.29	2,958.34	153.72	2,958.48	2,962.47	87.03	566,336.72	573,354.48
	11,990.00	88.40	89.60	9,159.66	3,052.31	154.37	3,052.44	3,056.35	87.10	566,337.37	573,448.44
	12,083.00	90.40	89.30	9,160.64	3,145.29	155.26	3,145.43	3,149.26	87.17	566,338.26	573,541.43
	12,177.00	90.20	89.80	9,160.15	3,239.29	156.00	3,239.43	3,243.18	87.24	566,339.00	573,635.43
	12,270.00	88.30	91.40	9,161.36	3,332.27	155.03	3,332.41	3,336.01	87.34	566,338.03	573,728.41
	12,366.00	88.10	92.60	9,164.38	3,428.16	151.68	3,428.30	3,431.65	87.47	566,334.68	573,824.30
	12,460.00	88.90	92.90	9,166.84	3,522.03	147.17	3,522.16	3,525.23	87.61	566,330.17	573,918.16
	12,554.00	85.80	92.00	9,171.19	3,615.83	143.16	3,615.96	3,618.79	87.73	566,326.16	574,011.96
	12,647.00	85.00	91.80	9,178.64	3,708.48	140.08	3,708.61	3,711.25	87.84	566,323.08	574,104.61
	12,740.00	84.80	91.80	9,186.91	3,801.07	137.17	3,801.19	3,803.67	87.93	566,320.17	574,197.19
	12,834.00	84.40	91.30	9,195.76	3,894.62	134.64	3,894.74	3,897.07	88.02	566,317.64	574,290.74



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM
Site: Stebbins Federal 20 (113-123-133-203)
Well: No. 133H
Wellbore: OH
Design: Gyo-MWD

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:
Well No. 133H
Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Part809))
Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Part809))
Grid
Minimum Curvature
WellPlanner1

Table with columns: 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). Includes data for MD 12,928.00 to 13,302.00 and survey annotations.

Design Annotations table with columns: Measured Depth (usft), Vertical Depth (usft), Local Coordinates (+N/-S (usft), +E/-W (usft)), Comment. Includes data for HL Xing: 13769' MD and PTB: 13878' MD, 9191.02' TVD.