



NM OIL CONSERVATION
ARTESIA DISTRICT
APR 18 2018
RECEIVED



Stebbins Fed 20 No. 134H

Eddy County, NM.

30-015-44175

September 18, 2017

Job No. LNM5149617

ORIGINAL

Survey Completion Report

*10/21/18
4*



PRODIRECTIONAL

Survey Certification Letter

September 18, 2017



Operator Name: Matador Resources
Well Name: Stebbins Federal 20 No. 134H
County/Parish: Eddy County,
State: NM
Rig Name: Patterson 809
Job Number: LNM5149617

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	693' MD – 13,771' MD	13,880' MD	09/02/17 – 09/16/17	MWD-OWSG

Sincerely,

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

Stebbins Fed 20

No. 134H

OH

Survey: ProDirectional

Survey Report

18 September, 2017





ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM(NAD 83)
Site: Stebbins Fed 20
Well: No. 134H
Wellbore: OH
Design: Gyro-MWD-100'-13771', Proj. 13880'

Local Co-ordinate Reference: Well No. 134H
TVD Reference: Well @ 3273.50usft
MD Reference: Well @ 3273.50usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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	Stebbins Fed 20		
Site Position:		Northing:	564,851.00 usft
From:	Map	Easting:	611,709.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.5526247
		Longitude:	-104.1049395
		Grid Convergence:	0.12 °

Well	No. 134H		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32.5527071
		Longitude:	-104.1049393
		Ground Level:	3,245.00 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
			(°)
	HDGM	6/23/2017	7.40
			Dip Angle
			(°)
			60.42
			Field Strength
			(nT)
			48,197.60

Design	Gyro-MWD-100'-13771', Proj. 13880'		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(°)
			90.05



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Survey Program		Date	9/18/2017		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.00	630.00	Survey #1 (OH)	GYRO-NS-CT	OWSG XYZ Accel with XY Static and Continuous Gyro	
693.00	13,880.00	Survey #2 (OH)	MWD+HDGM	OWSG MWD + HRGM	

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	564,881.00	611,709.00
100.00	0.56	64.74	100.00	0.44	0.21	0.44	0.49	64.74	564,881.21	611,709.44
200.00	0.64	105.13	199.99	1.42	0.27	1.42	1.45	79.21	564,881.27	611,710.42
300.00	0.77	151.05	299.99	2.29	-0.46	2.29	2.33	101.43	564,880.54	611,711.29
400.00	1.69	168.54	399.96	2.91	-2.50	2.91	3.83	130.66	564,878.50	611,711.91
500.00	1.78	169.56	499.92	3.48	-5.47	3.48	6.48	147.53	564,875.53	611,712.48
600.00	1.82	168.46	599.87	4.09	-8.55	4.08	9.47	154.50	564,872.45	611,713.08
630.00	1.62	164.51	629.85	4.30	-9.43	4.29	10.36	155.54	564,871.57	611,713.29
Last Survey: 630' MD										
693.00	1.70	205.10	692.83	4.14	-11.13	4.13	11.87	159.65	564,869.87	611,713.13
Pro MWD First Survey: 693' MD										
786.00	3.30	252.40	785.75	1.00	-13.19	0.99	13.23	175.70	564,867.81	611,709.99
877.00	3.90	256.40	876.57	-4.50	-14.71	-4.51	15.39	197.05	564,866.29	611,704.49
970.00	3.50	257.50	969.37	-10.34	-16.07	-10.36	19.12	212.81	564,864.93	611,698.64
1,051.00	3.20	255.60	1,050.23	-14.95	-17.17	-14.96	22.77	221.08	564,863.83	611,694.04
1,157.00	2.90	253.30	1,156.08	-20.38	-18.67	-20.40	27.65	227.53	564,862.33	611,688.60
1,252.00	2.60	288.70	1,250.98	-24.72	-18.67	-24.74	30.99	232.96	564,862.33	611,684.26
1,347.00	3.30	303.50	1,345.86	-29.05	-16.47	-29.06	33.40	240.45	564,864.53	611,679.94
1,440.00	3.90	298.50	1,438.67	-34.06	-13.48	-34.07	36.64	248.41	564,867.52	611,674.93
1,534.00	4.30	289.20	1,532.43	-40.20	-10.80	-40.21	41.63	254.96	564,870.20	611,668.79
1,628.00	3.20	277.30	1,626.23	-46.13	-9.31	-46.14	47.07	258.59	564,871.69	611,662.86
1,722.00	2.90	273.80	1,720.10	-51.11	-8.82	-51.11	51.87	260.21	564,872.18	611,657.89



ProDirectional Survey Report



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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)
1,815.00	3.10	272.60	1,812.97	-55.97	-8.55	-55.97	56.62	261.32	564,872.45	611,653.03
1,908.00	3.30	273.80	1,905.83	-61.15	-8.26	-61.16	61.71	262.31	564,872.74	611,647.84
2,002.00	3.20	280.50	1,999.67	-66.43	-7.60	-66.44	66.87	263.48	564,873.40	611,642.56
2,095.00	3.50	284.50	2,092.52	-71.73	-6.41	-71.74	72.02	264.89	564,874.59	611,637.26
2,189.00	3.90	283.60	2,186.32	-77.62	-4.94	-77.62	77.78	266.36	564,876.06	611,631.38
2,282.00	4.60	281.60	2,279.06	-84.35	-3.45	-84.35	84.42	267.66	564,877.55	611,624.65
2,376.00	4.00	287.10	2,372.80	-91.17	-1.73	-91.17	91.19	268.91	564,879.27	611,617.83
2,469.00	3.40	287.70	2,465.60	-96.90	0.06	-96.90	96.90	270.04	564,881.06	611,612.10
2,563.00	3.50	288.30	2,559.43	-102.28	1.81	-102.28	102.30	271.01	564,882.81	611,606.72
2,656.00	3.30	284.20	2,652.27	-107.58	3.36	-107.57	107.62	271.79	564,884.36	611,601.43
2,750.00	3.70	279.00	2,746.10	-113.19	4.50	-113.19	113.28	272.28	564,885.50	611,595.81
2,843.00	3.40	300.80	2,838.92	-118.53	6.38	-118.52	118.70	273.08	564,887.38	611,590.48
2,937.00	3.80	312.80	2,932.74	-123.21	9.92	-123.20	123.60	274.60	564,890.92	611,585.80
3,030.00	4.40	309.20	3,025.50	-128.24	14.27	-128.23	129.02	276.35	564,895.27	611,580.77
3,130.00	4.80	306.70	3,125.18	-134.57	19.20	-134.56	135.92	278.12	564,900.20	611,574.44
3,223.00	4.80	306.10	3,217.85	-140.84	23.81	-140.82	142.82	279.60	564,904.81	611,568.18
3,316.00	2.20	305.60	3,310.67	-145.44	27.15	-145.42	147.93	280.57	564,908.15	611,563.58
3,410.00	1.50	289.80	3,404.62	-148.07	28.61	-148.04	150.78	280.94	564,909.61	611,560.96
3,503.00	1.80	292.80	3,497.58	-150.56	29.59	-150.53	153.41	281.12	564,910.59	611,558.47
3,597.00	1.70	293.90	3,591.54	-153.20	30.73	-153.17	156.22	281.34	564,911.73	611,555.83
3,691.00	1.60	302.90	3,685.50	-155.57	32.01	-155.54	158.80	281.63	564,913.01	611,553.46
3,784.00	1.90	300.10	3,778.45	-158.00	33.49	-157.97	161.48	281.97	564,914.49	611,551.03
3,877.00	2.00	303.90	3,871.40	-160.68	35.16	-160.65	164.45	282.35	564,916.16	611,548.35
3,970.00	1.90	309.70	3,964.35	-163.22	37.05	-163.18	167.34	282.79	564,918.05	611,545.82
4,064.00	1.80	314.50	4,058.30	-165.47	39.08	-165.43	169.99	283.29	564,920.08	611,543.57
4,158.00	1.90	319.20	4,152.25	-167.54	41.30	-167.51	172.52	283.85	564,922.30	611,541.49
4,251.00	2.00	320.40	4,245.20	-169.59	43.72	-169.55	175.09	284.46	564,924.72	611,539.45



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4,345.00	2.50	270.40	4,339.13	-172.68	44.99	-172.64	178.41	284.61	564,925.99	611,536.36
4,438.00	2.80	270.60	4,432.03	-176.98	45.03	-176.94	182.58	284.28	564,926.03	611,532.06
4,532.00	2.50	279.20	4,525.93	-181.30	45.38	-181.26	186.86	284.06	564,926.38	611,527.74
4,626.00	2.20	281.70	4,619.85	-185.09	46.08	-185.05	190.70	283.98	564,927.08	611,523.95
4,719.00	2.20	279.30	4,712.78	-188.60	46.73	-188.56	194.27	283.92	564,927.73	611,520.44
4,813.00	2.00	282.80	4,806.72	-191.98	47.38	-191.94	197.70	283.87	564,928.38	611,517.06
4,906.00	2.00	281.10	4,899.66	-195.16	48.05	-195.12	200.95	283.84	564,929.05	611,513.88
5,000.00	1.90	282.80	4,993.61	-198.29	48.72	-198.25	204.14	283.81	564,929.72	611,510.75
5,093.00	1.90	286.10	5,086.56	-201.27	49.48	-201.23	207.23	283.82	564,930.48	611,507.77
5,187.00	0.40	44.30	5,180.54	-202.54	50.15	-202.50	208.62	283.91	564,931.15	611,506.50
5,281.00	0.50	29.50	5,274.54	-202.11	50.74	-202.07	208.34	284.10	564,931.74	611,506.93
5,374.00	0.50	2.00	5,367.54	-201.90	51.50	-201.85	208.32	284.31	564,932.50	611,507.15
5,468.00	0.60	344.40	5,461.53	-202.02	52.39	-201.97	208.66	284.54	564,933.39	611,507.03
5,562.00	0.70	334.00	5,555.53	-202.40	53.38	-202.36	209.28	284.78	564,934.38	611,506.64
5,655.00	0.70	313.80	5,648.52	-203.06	54.28	-203.02	210.15	284.97	564,935.28	611,505.98
5,749.00	0.80	286.30	5,742.51	-204.11	54.86	-204.06	211.31	285.05	564,935.86	611,504.94
5,842.00	1.30	289.50	5,835.50	-205.73	55.40	-205.68	213.01	285.07	564,936.40	611,503.32
5,936.00	1.50	288.40	5,929.47	-207.90	56.14	-207.85	215.30	285.11	564,937.14	611,501.15
6,029.00	1.00	0.80	6,022.45	-209.04	57.34	-208.99	216.72	285.34	564,938.34	611,500.01
6,123.00	1.50	18.70	6,116.43	-208.64	59.32	-208.59	216.86	285.88	564,940.32	611,500.41
6,216.00	1.20	4.40	6,209.40	-208.18	61.45	-208.12	217.00	286.45	564,942.45	611,500.88
6,310.00	1.10	8.50	6,303.38	-207.97	63.32	-207.91	217.34	286.94	564,944.32	611,501.09
6,403.00	1.00	0.50	6,396.37	-207.83	65.01	-207.78	217.71	287.38	564,946.01	611,501.22
6,496.00	0.90	359.20	6,489.35	-207.84	66.56	-207.78	218.18	287.76	564,947.56	611,501.22
6,590.00	1.00	338.20	6,583.34	-208.15	68.06	-208.09	218.94	288.11	564,949.06	611,500.91
6,684.00	0.80	347.90	6,677.33	-208.60	69.46	-208.54	219.80	288.42	564,950.46	611,500.46
6,777.00	1.20	334.20	6,770.32	-209.16	70.97	-209.10	220.81	288.75	564,951.97	611,499.90



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6,871.00	0.40	283.30	6,864.31	-209.91	71.93	-209.84	221.83	288.92	564,952.93	611,499.16
6,964.00	1.50	164.60	6,957.30	-209.90	70.83	-209.84	221.47	288.65	564,951.83	611,499.16
7,058.00	1.40	188.70	7,051.27	-209.74	68.51	-209.68	220.59	288.09	564,949.51	611,499.32
7,151.00	1.40	185.60	7,144.24	-210.02	66.26	-209.97	220.17	287.51	564,947.26	611,499.03
7,245.00	1.00	173.10	7,238.22	-210.04	64.30	-209.98	219.60	287.03	564,945.30	611,499.02
7,338.00	0.90	153.90	7,331.21	-209.62	62.84	-209.56	218.78	286.69	564,943.84	611,499.44
7,432.00	0.80	164.10	7,425.20	-209.11	61.55	-209.06	217.93	286.40	564,942.55	611,499.94
7,525.00	0.90	139.80	7,518.19	-208.46	60.36	-208.41	216.97	286.15	564,941.36	611,500.59
7,619.00	0.80	137.30	7,612.18	-207.54	59.32	-207.48	215.80	285.95	564,940.32	611,501.52
7,712.00	0.90	141.40	7,705.17	-206.64	58.27	-206.59	214.65	285.75	564,939.27	611,502.41
7,806.00	1.00	127.40	7,799.15	-205.53	57.19	-205.48	213.29	285.55	564,938.19	611,503.52
7,894.00	1.20	132.50	7,887.14	-204.24	56.10	-204.19	211.76	285.36	564,937.10	611,504.81
7,993.00	1.10	136.20	7,986.12	-202.81	54.72	-202.77	210.02	285.10	564,935.72	611,506.23
8,086.00	1.00	180.30	8,079.10	-202.20	53.26	-202.15	209.05	284.76	564,934.26	611,506.85
8,180.00	2.40	113.60	8,173.07	-200.40	51.65	-200.35	206.90	284.46	564,932.65	611,508.65
8,274.00	3.60	105.40	8,266.94	-195.75	50.08	-195.70	202.01	284.35	564,931.08	611,513.30
8,367.00	0.90	144.80	8,359.86	-192.51	48.71	-192.47	198.53	284.20	564,929.71	611,516.53
8,461.00	0.90	151.20	8,453.85	-191.73	47.46	-191.69	197.47	283.91	564,928.46	611,517.31
8,533.00	1.00	135.20	8,525.84	-191.01	46.52	-190.97	196.55	283.69	564,927.52	611,518.03
8,580.00	4.20	116.20	8,572.78	-189.18	45.47	-189.14	194.52	283.52	564,926.47	611,519.86
8,626.00	11.00	106.80	8,618.35	-183.45	43.45	-183.42	188.49	283.33	564,924.45	611,525.58
8,673.00	17.90	101.30	8,663.84	-172.06	40.74	-172.03	176.79	283.32	564,921.74	611,536.97
8,719.00	23.90	99.70	8,706.80	-155.93	37.78	-155.90	160.41	283.62	564,918.78	611,553.10
8,766.00	28.00	99.50	8,749.05	-135.65	34.35	-135.62	139.90	284.21	564,915.35	611,573.38
8,812.00	32.30	100.10	8,788.82	-112.89	30.41	-112.86	116.89	285.08	564,911.41	611,596.14
8,859.00	36.70	100.40	8,827.54	-86.69	25.67	-86.67	90.39	286.50	564,906.67	611,622.33
8,906.00	41.00	101.60	8,864.14	-57.76	20.04	-57.74	61.12	289.14	564,901.04	611,651.26



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8,953.00	44.00	102.80	8,898.78	-26.72	13.32	-26.71	29.85	296.50	564,894.32	611,682.29
9,000.00	46.70	102.40	8,931.81	5.91	6.03	5.92	8.45	44.47	564,887.03	611,714.92
9,047.00	48.00	100.30	8,963.66	39.81	-0.77	39.81	39.81	91.11	564,880.23	611,748.81
9,093.00	49.40	101.00	8,994.02	73.77	-7.16	73.77	74.11	95.54	564,873.84	611,782.77
9,140.00	50.10	98.80	9,024.39	109.11	-13.32	109.10	109.91	96.96	564,867.68	611,818.10
9,187.00	54.50	96.10	9,053.12	145.98	-18.11	145.96	147.08	97.07	564,862.89	611,854.96
9,234.00	58.10	93.40	9,079.20	184.94	-21.33	184.92	186.15	96.58	564,859.67	611,893.92
9,280.00	60.80	90.00	9,102.58	224.52	-22.49	224.51	225.63	95.72	564,858.51	611,933.51
9,327.00	63.90	88.00	9,124.39	266.14	-21.75	266.12	267.01	94.67	564,859.25	611,975.12
9,374.00	67.10	87.30	9,143.88	308.87	-20.00	308.85	309.50	93.70	564,861.00	612,017.85
9,421.00	68.80	86.90	9,161.53	352.37	-17.79	352.35	352.80	92.89	564,863.21	612,061.35
9,468.00	72.10	87.70	9,177.25	396.60	-15.71	396.59	396.90	92.27	564,865.29	612,105.59
9,515.00	77.50	89.20	9,189.57	441.92	-14.49	441.91	442.15	91.88	564,866.51	612,150.91
9,561.00	81.10	91.10	9,198.11	487.11	-14.61	487.10	487.32	91.72	564,866.39	612,196.10
9,608.00	86.30	90.70	9,203.27	533.81	-15.35	533.79	534.02	91.65	564,865.65	612,242.79
9,655.00	89.20	89.60	9,205.11	580.77	-15.47	580.75	580.96	91.53	564,865.53	612,289.75
9,748.00	90.80	89.80	9,205.11	673.76	-14.98	673.75	673.91	91.27	564,866.02	612,382.75
9,842.00	87.70	89.60	9,206.34	767.74	-14.49	767.73	767.86	91.08	564,866.51	612,476.73
9,935.00	88.40	89.50	9,209.51	860.68	-13.76	860.67	860.78	90.92	564,867.24	612,569.67
10,029.00	88.80	90.00	9,211.80	954.65	-13.35	954.64	954.73	90.80	564,867.65	612,663.64
10,123.00	92.40	89.40	9,210.82	1,048.63	-12.86	1,048.62	1,048.70	90.70	564,868.14	612,757.62
10,216.00	93.30	89.00	9,206.20	1,141.50	-11.56	1,141.49	1,141.55	90.58	564,869.44	612,850.49
10,310.00	90.60	89.40	9,203.00	1,235.43	-10.25	1,235.42	1,235.46	90.48	564,870.75	612,944.42
10,404.00	89.50	87.80	9,202.92	1,329.39	-7.95	1,329.39	1,329.41	90.34	564,873.05	613,038.39
10,498.00	92.30	88.70	9,201.44	1,423.33	-5.08	1,423.32	1,423.33	90.20	564,875.92	613,132.32
10,591.00	91.90	90.00	9,198.03	1,516.25	-4.03	1,516.25	1,516.26	90.15	564,876.97	613,225.25
10,684.00	92.40	90.10	9,194.54	1,609.19	-4.11	1,609.19	1,609.19	90.15	564,876.89	613,318.19



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM(NAD 83)
Site: Stebbins Fed 20
Well: No. 134H
Wellbore: OH
Design: Gyro-MWD-100'-13771', Proj. 13880'

Local Co-ordinate Reference: Well No. 134H
TVD Reference: Well @ 3273.50usft
MD Reference: Well @ 3273.50usft
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)
10,778.00	92.50	89.80	9,190.52	1,703.10	-4.03	1,703.10	1,703.10	90.14	564,876.97	613,412.10
10,872.00	92.70	89.60	9,186.26	1,797.00	-3.54	1,797.00	1,797.01	90.11	564,877.46	613,506.00
10,965.00	93.80	89.90	9,180.99	1,889.85	-3.13	1,889.85	1,889.85	90.09	564,877.87	613,598.85
11,059.00	92.50	89.90	9,175.82	1,983.71	-2.97	1,983.71	1,983.71	90.09	564,878.03	613,692.71
11,152.00	90.20	90.20	9,173.63	2,076.68	-3.05	2,076.67	2,076.68	90.08	564,877.95	613,785.67
11,245.00	89.80	90.90	9,173.63	2,169.67	-3.94	2,169.67	2,169.67	90.10	564,877.06	613,878.67
11,339.00	88.30	91.10	9,175.19	2,263.64	-5.58	2,263.64	2,263.65	90.14	564,875.42	613,972.64
11,432.00	89.20	90.90	9,177.22	2,356.61	-7.20	2,356.60	2,356.61	90.18	564,873.80	614,065.60
11,526.00	88.70	91.30	9,178.94	2,450.57	-9.01	2,450.57	2,450.58	90.21	564,871.99	614,159.57
11,619.00	88.80	91.70	9,180.97	2,543.52	-11.44	2,543.51	2,543.54	90.26	564,869.56	614,252.51
11,713.00	88.80	91.90	9,182.94	2,637.46	-14.39	2,637.45	2,637.49	90.31	564,866.61	614,346.45
11,806.00	88.60	90.20	9,185.05	2,730.42	-16.10	2,730.40	2,730.45	90.34	564,864.90	614,439.40
11,900.00	89.50	89.80	9,186.61	2,824.40	-16.10	2,824.39	2,824.43	90.33	564,864.90	614,533.39
11,993.00	90.40	90.40	9,186.69	2,917.40	-16.26	2,917.39	2,917.43	90.32	564,864.74	614,626.39
12,087.00	89.50	90.30	9,186.77	3,011.40	-16.83	3,011.38	3,011.43	90.32	564,864.17	614,720.38
12,180.00	88.80	90.30	9,188.15	3,104.39	-17.32	3,104.37	3,104.42	90.32	564,863.68	614,813.37
12,274.00	89.40	90.60	9,189.63	3,198.37	-18.06	3,198.36	3,198.41	90.32	564,862.94	614,907.36
12,367.00	88.80	89.60	9,191.09	3,291.36	-18.22	3,291.34	3,291.39	90.32	564,862.78	615,000.34
12,461.00	88.50	88.50	9,193.30	3,385.32	-16.66	3,385.30	3,385.34	90.28	564,864.34	615,094.30
12,554.00	89.50	88.70	9,194.92	3,478.27	-14.39	3,478.26	3,478.29	90.24	564,866.61	615,187.26
12,648.00	90.10	88.90	9,195.25	3,572.25	-12.42	3,572.24	3,572.26	90.20	564,868.58	615,281.24
12,741.00	89.80	89.60	9,195.33	3,665.24	-11.21	3,665.23	3,665.25	90.18	564,869.79	615,374.23
12,835.00	90.20	90.80	9,195.33	3,759.24	-11.53	3,759.23	3,759.25	90.18	564,869.47	615,468.23
12,928.00	89.20	89.80	9,195.82	3,852.23	-12.02	3,852.22	3,852.24	90.18	564,868.98	615,561.22
13,022.00	88.30	88.80	9,197.87	3,946.20	-10.87	3,946.19	3,946.21	90.16	564,870.13	615,655.19
13,116.00	89.00	89.50	9,200.09	4,040.16	-9.48	4,040.15	4,040.16	90.13	564,871.52	615,749.15
13,209.00	88.30	88.30	9,202.28	4,133.11	-7.69	4,133.11	4,133.12	90.11	564,873.31	615,842.11



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM(NAD 83)
Site: Stebbins Fed 20
Well: No. 134H
Wellbore: OH
Design: Gyro-MWD-100'-13771', Proj. 13880'

Local Co-ordinate Reference: Well No. 134H
TVD Reference: Well @ 3273.50usft
MD Reference: Well @ 3273.50usft
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)
13,303.00	87.70	88.70	9,205.56	4,227.02	-5.24	4,227.02	4,227.02	90.07	564,875.76	615,936.02
13,396.00	88.40	88.70	9,208.72	4,319.94	-3.13	4,319.94	4,319.94	90.04	564,877.87	616,028.94
13,490.00	89.00	88.40	9,210.85	4,413.88	-0.75	4,413.89	4,413.89	90.01	564,880.25	616,122.89
13,584.00	89.20	88.00	9,212.33	4,507.82	2.20	4,507.83	4,507.83	89.97	564,883.20	616,216.83
13,677.00	89.90	88.10	9,213.06	4,600.76	5.37	4,600.77	4,600.77	89.93	564,886.37	616,309.77
13,771.00	91.10	88.50	9,212.24	4,694.71	8.16	4,694.72	4,694.73	89.90	564,889.16	616,403.72
Last Survey: 13771' MD, 9212.24' TVD										
13,880.00	91.10	88.50	9,210.15	4,803.65	11.01	4,803.67	4,803.68	89.87	564,892.01	616,512.67
PTB: 13880' MD										

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
630.00	629.85	-9.43	4.29	Last Survey: 630' MD
693.00	692.83	-11.13	4.13	Pro MWD First Survey: 693' MD
13,771.00	9,212.24	8.16	4,694.72	Last Survey: 13771' MD, 9212.24' TVD
13,880.00	9,210.15	11.01	4,803.67	PTB: 13880' MD