



NM OIL CONSERVATION
ARTESIA DISTRICT
APR 04 2018

RECEIVED



Jim Tom Lontos 30-23S-28E RB No. 201H
Eddy County, NM

February 14, 2018

Job No. LNM5162118

30-015-44238

ORIGINAL

Survey Completion Report



PRODIRECTIONAL

Survey Certification Letter

February 14, 2018



Operator Name: Matador Resources
Well Name: Jim Tom Lontos 30-23S-28E RB No. 201H
County/Parish: Eddy County,
State: NM
Rig Name: Patterson 809
Job Number: LNM5162118

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	167' MD – 14,179' MD	14,320' MD	01/01/18 – 01/17/18	MWD-OWSG

Sincerely,

Mike Coats
Regulatory Specialist
Professional Directional

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

prodirectional.com

The Standard of Excellence in Directional Supervision



Matador Resources

Eddy County, NM

Jim Tom Lontos 30-23S-28E RB

No. 201H

OH

Survey: ProDirectional

Survey Report

14 February, 2018





ProDirectional
Survey Report



Company: Matador Resources
Project: Eddy County, NM(NAD 83)
Site: Jim Tom Lontos 30-23S-28E RB
Well: No. 201H
Wellbore: OH
Design: MWD-167'-14179', Proj. 14320'

Local Co-ordinate Reference: Well No. 201H
TVD Reference: Well @ 3146.50usft
MD Reference: Well @ 3146.50usft
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 Jim Tom Lontos 30-23S-28E RB

Site Position:		Northing:	462,085.00 usft	Latitude:	32.270188
From: Map		Easting:	603,061.00 usft	Longitude:	-104.133630
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.11 °

Well No. 201H

Well Position	+N/-S	0.00 usft	Northing:	462,085.00 usft	Latitude:	32.270188
	+E/-W	0.00 usft	Easting:	603,061.00 usft	Longitude:	-104.133630
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,118.00 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	12/30/2017	7.33	60.05	48,038.50

Design MWD-167'-14179', Proj. 14320'

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	0.13

Survey Program Date 2/14/2018

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
167.00	14,320.00	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	462,085.00	603,061.00
167.00	0.30	265.40	167.00	-0.04	-0.04	-0.44	0.44	265.40	462,084.96	603,060.56
Pro MWD First Survey: 167' MD										
288.00	0.80	203.30	287.99	-0.84	-0.84	-1.09	1.37	232.39	462,084.16	603,059.91
486.00	1.70	192.90	485.95	-4.97	-4.97	-2.29	5.47	204.73	462,080.03	603,058.71
603.00	1.60	209.80	602.90	-8.09	-8.08	-3.49	8.80	203.35	462,076.92	603,057.51
695.00	1.50	212.00	694.86	-10.22	-10.21	-4.76	11.27	205.00	462,074.79	603,056.24
788.00	1.60	221.20	787.83	-12.24	-12.22	-6.26	13.73	207.13	462,072.78	603,054.74
879.00	1.80	237.30	878.79	-13.97	-13.95	-8.30	16.23	210.76	462,071.05	603,052.70
971.00	1.60	247.30	970.75	-15.25	-15.23	-10.70	18.61	215.11	462,069.77	603,050.30
1,064.00	2.10	198.70	1,063.71	-17.37	-17.34	-12.45	21.35	215.67	462,067.66	603,048.55
1,157.00	3.30	187.40	1,156.60	-21.64	-21.61	-13.34	25.40	211.69	462,063.39	603,047.66
1,250.00	3.30	190.70	1,249.45	-26.93	-26.90	-14.18	30.41	207.80	462,058.10	603,046.82
1,343.00	3.00	195.50	1,342.31	-31.91	-31.87	-15.33	35.37	205.69	462,053.13	603,045.67
1,437.00	2.60	194.40	1,436.20	-36.34	-36.31	-16.52	39.89	204.46	462,048.69	603,044.48
1,530.00	3.00	190.80	1,529.08	-40.78	-40.74	-17.50	44.34	203.24	462,044.26	603,043.50
1,623.00	4.40	190.70	1,621.89	-46.68	-46.64	-18.62	50.21	201.76	462,038.36	603,042.38
1,716.00	4.30	191.00	1,714.62	-53.61	-53.56	-19.94	57.16	200.42	462,031.44	603,041.06
1,810.00	4.50	187.10	1,808.34	-60.73	-60.68	-21.07	64.24	199.15	462,024.32	603,039.93
1,903.00	5.00	183.30	1,901.02	-68.40	-68.35	-21.76	71.73	197.66	462,016.65	603,039.24
1,996.00	5.10	183.40	1,993.66	-76.57	-76.52	-22.23	79.69	196.20	462,008.48	603,038.77
2,090.00	5.50	180.60	2,087.26	-85.25	-85.20	-22.53	88.12	194.81	461,999.80	603,038.47
2,183.00	5.70	179.00	2,179.82	-94.32	-94.27	-22.49	96.92	193.42	461,990.73	603,038.51
2,276.00	5.60	177.60	2,272.37	-103.47	-103.42	-22.22	105.78	192.13	461,981.58	603,038.78
2,370.00	5.60	180.30	2,365.92	-112.64	-112.59	-22.06	114.73	191.08	461,972.41	603,038.94
2,438.00	5.40	182.10	2,433.60	-119.16	-119.11	-22.19	121.16	190.55	461,965.89	603,038.81
2,557.00	5.20	182.60	2,552.09	-130.14	-130.09	-22.64	132.04	189.87	461,954.91	603,038.36



ProDirectional
Survey Report



Company: Matador Resources
Project: Eddy County, NM(NAD 83)
Site: Jim Tom Lontos 30-23S-28E RB
Well: No. 201H
Wellbore: OH
Design: MWD-167'-14179', Proj. 14320'

Local Co-ordinate Reference: Well No. 201H
TVD Reference: Well @ 3146.50usft
MD Reference: Well @ 3146.50usft
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)
2,650.00	5.10	183.10	2,644.72	-138.48	-138.43	-23.06	140.33	189.46	461,946.57	603,037.94
2,745.00	5.00	182.60	2,739.35	-146.83	-146.78	-23.47	148.64	189.09	461,938.22	603,037.53
2,838.00	4.80	182.70	2,832.01	-154.77	-154.71	-23.84	156.54	188.76	461,930.29	603,037.16
2,931.00	4.50	182.10	2,924.70	-162.30	-162.25	-24.16	164.03	188.47	461,922.75	603,036.84
3,024.00	4.30	180.90	3,017.43	-169.43	-169.38	-24.34	171.12	188.18	461,915.62	603,036.66
3,118.00	4.10	179.10	3,111.18	-176.32	-176.26	-24.35	177.94	187.86	461,908.74	603,036.65
3,211.00	3.80	180.80	3,203.96	-182.72	-182.67	-24.34	184.28	187.59	461,902.33	603,036.66
3,304.00	6.00	175.90	3,296.61	-190.65	-190.60	-24.03	192.11	187.19	461,894.40	603,036.97
3,397.00	6.50	171.80	3,389.06	-200.71	-200.66	-22.93	201.96	186.52	461,884.34	603,038.07
3,491.00	6.30	171.90	3,482.47	-211.08	-211.03	-21.45	212.12	185.80	461,873.97	603,039.55
3,584.00	5.80	171.90	3,574.95	-220.78	-220.73	-20.07	221.64	185.19	461,864.27	603,040.93
3,678.00	5.40	171.10	3,668.51	-229.85	-229.80	-18.71	230.57	184.66	461,855.20	603,042.29
3,771.00	4.80	171.10	3,761.14	-238.01	-237.97	-17.44	238.61	184.19	461,847.03	603,043.56
3,865.00	4.50	171.40	3,854.83	-245.54	-245.50	-16.28	246.04	183.79	461,839.50	603,044.72
3,958.00	4.20	172.60	3,947.56	-252.52	-252.49	-15.29	252.95	183.47	461,832.51	603,045.71
4,051.00	6.40	172.70	4,040.16	-261.04	-261.01	-14.19	261.39	183.11	461,823.99	603,046.81
4,144.00	7.00	171.50	4,132.52	-271.78	-271.75	-12.70	272.05	182.68	461,813.25	603,048.30
4,238.00	6.70	172.40	4,225.85	-282.88	-282.85	-11.13	283.07	182.25	461,802.15	603,049.87
4,331.00	6.10	171.70	4,318.27	-293.14	-293.12	-9.69	293.28	181.89	461,791.88	603,051.31
4,425.00	5.50	173.50	4,411.79	-302.56	-302.54	-8.46	302.66	181.60	461,782.46	603,052.54
4,519.00	4.90	171.70	4,505.40	-311.00	-310.99	-7.37	311.08	181.36	461,774.01	603,053.63
4,612.00	4.30	168.80	4,598.10	-318.35	-318.34	-6.12	318.40	181.10	461,766.66	603,054.88
4,706.00	3.80	169.80	4,691.87	-324.87	-324.86	-4.89	324.90	180.86	461,760.14	603,056.11
4,800.00	4.80	179.00	4,785.60	-331.87	-331.86	-4.27	331.89	180.74	461,753.14	603,056.73
4,893.00	5.70	181.30	4,878.21	-340.38	-340.37	-4.30	340.39	180.72	461,744.63	603,056.70
4,987.00	5.20	182.80	4,971.79	-349.30	-349.29	-4.62	349.32	180.76	461,735.71	603,056.38
5,081.00	4.20	181.60	5,065.47	-356.99	-356.98	-4.92	357.02	180.79	461,728.02	603,056.08



ProDirectional Survey Report



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Local Co-ordinate Reference: Well No. 201H
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Survey Calculation Method: Minimum Curvature
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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)	
5,174.00	4.80	176.70	5,158.18	-364.28	-364.27	-4.79	364.30	180.75	461,720.73	603,056.21	
5,267.00	5.70	179.30	5,250.79	-372.79	-372.78	-4.51	372.80	180.69	461,712.22	603,056.49	
5,361.00	5.20	180.60	5,344.37	-381.71	-381.70	-4.50	381.73	180.68	461,703.30	603,056.50	
5,454.00	4.60	180.60	5,437.03	-389.66	-389.65	-4.58	389.67	180.67	461,695.35	603,056.42	
5,548.00	6.10	188.20	5,530.61	-398.37	-398.36	-5.34	398.40	180.77	461,686.64	603,055.66	
5,641.00	6.70	191.60	5,623.03	-408.58	-408.57	-7.13	408.63	181.00	461,676.43	603,053.87	
5,735.00	6.10	191.50	5,716.45	-418.85	-418.83	-9.23	418.93	181.26	461,666.17	603,051.77	
5,828.00	5.60	192.90	5,808.96	-428.12	-428.10	-11.23	428.24	181.50	461,656.90	603,049.77	
5,922.00	4.90	192.90	5,902.57	-436.51	-436.48	-13.15	436.68	181.73	461,648.52	603,047.85	
6,015.00	3.30	192.90	5,995.33	-442.99	-442.96	-14.63	443.20	181.89	461,642.04	603,046.37	
6,109.00	3.80	189.40	6,089.15	-448.71	-448.67	-15.75	448.95	182.01	461,636.33	603,045.25	
6,202.00	2.90	183.80	6,181.99	-454.10	-454.06	-16.40	454.36	182.07	461,630.94	603,044.60	
6,296.00	3.90	168.20	6,275.82	-459.60	-459.56	-15.91	459.84	181.98	461,625.44	603,045.09	
6,389.00	6.40	164.90	6,368.44	-467.69	-467.66	-13.91	467.87	181.70	461,617.34	603,047.09	
6,483.00	5.10	167.90	6,461.97	-476.83	-476.81	-11.67	476.95	181.40	461,608.19	603,049.33	
6,576.00	6.10	180.10	6,554.52	-485.81	-485.79	-10.81	485.91	181.28	461,599.21	603,050.19	
6,670.00	5.60	181.50	6,648.03	-495.39	-495.37	-10.94	495.49	181.27	461,589.63	603,050.06	
6,763.00	4.90	177.00	6,740.64	-503.90	-503.87	-10.85	503.99	181.23	461,581.13	603,050.15	
6,856.00	6.90	180.80	6,833.15	-513.45	-513.43	-10.72	513.54	181.20	461,571.57	603,050.28	
6,950.00	6.60	183.00	6,926.50	-524.49	-524.47	-11.08	524.58	181.21	461,560.53	603,049.92	
7,043.00	5.40	181.60	7,018.98	-534.20	-534.18	-11.49	534.30	181.23	461,550.82	603,049.51	
7,137.00	4.50	183.40	7,112.63	-542.31	-542.28	-11.83	542.41	181.25	461,542.72	603,049.17	
7,231.00	5.70	180.90	7,206.26	-550.66	-550.63	-12.12	550.76	181.26	461,534.37	603,048.88	
7,324.00	5.70	171.50	7,298.80	-559.84	-559.82	-11.51	559.93	181.18	461,525.18	603,049.49	
7,418.00	4.90	163.40	7,392.40	-568.30	-568.28	-9.67	568.36	180.98	461,516.72	603,051.33	
7,511.00	6.40	182.90	7,484.95	-577.28	-577.26	-8.80	577.33	180.87	461,507.74	603,052.20	
7,604.00	4.70	189.90	7,577.52	-586.22	-586.19	-9.72	586.28	180.95	461,498.81	603,051.28	



ProDirectional
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7,697.00	4.00	192.50	7,670.25	-593.14	-593.11	-11.08	593.22	181.07	461,491.89	603,049.92
7,790.00	3.70	195.80	7,763.04	-599.20	-599.17	-12.59	599.30	181.20	461,485.83	603,048.41
7,884.00	3.10	198.00	7,856.87	-604.54	-604.50	-14.21	604.67	181.35	461,480.50	603,046.79
7,977.00	3.30	198.70	7,949.73	-609.47	-609.43	-15.84	609.64	181.49	461,475.57	603,045.16
8,071.00	2.30	200.60	8,043.61	-613.80	-613.76	-17.37	614.01	181.62	461,471.24	603,043.63
8,164.00	3.00	198.20	8,136.51	-617.86	-617.82	-18.79	618.10	181.74	461,467.18	603,042.21
8,257.00	2.50	193.90	8,229.41	-622.14	-622.10	-20.04	622.42	181.84	461,462.90	603,040.96
8,351.00	2.30	200.10	8,323.32	-625.91	-625.86	-21.18	626.22	181.94	461,459.14	603,039.82
8,444.00	2.40	191.90	8,416.25	-629.57	-629.52	-22.22	629.91	182.02	461,455.48	603,038.78
8,538.00	1.40	282.40	8,510.21	-631.25	-631.20	-23.75	631.65	182.15	461,453.80	603,037.25
8,631.00	2.20	310.80	8,603.16	-629.85	-629.79	-26.21	630.33	182.38	461,455.21	603,034.79
8,721.00	1.80	306.50	8,693.11	-627.88	-627.82	-28.65	628.47	182.61	461,457.18	603,032.35
8,814.00	8.20	340.00	8,785.72	-620.78	-620.71	-32.10	621.54	182.96	461,464.29	603,028.90
8,861.00	14.10	345.40	8,831.81	-612.09	-612.01	-34.69	612.99	183.24	461,472.99	603,026.31
8,907.00	19.60	351.40	8,875.82	-599.03	-598.95	-37.26	600.11	183.56	461,486.05	603,023.74
8,954.00	25.70	350.90	8,919.18	-581.17	-581.08	-40.05	582.45	183.94	461,503.92	603,020.95
9,001.00	31.70	348.50	8,960.39	-558.99	-558.89	-44.13	560.63	184.51	461,526.11	603,016.87
9,048.00	35.70	347.70	8,999.48	-533.49	-533.38	-49.51	535.68	185.30	461,551.62	603,011.49
9,094.00	39.70	345.70	9,035.87	-506.15	-506.02	-56.01	509.11	186.32	461,578.98	603,004.99
9,141.00	43.60	344.90	9,070.98	-475.96	-475.82	-63.94	480.09	187.65	461,609.18	602,997.06
9,188.00	46.90	344.90	9,104.07	-443.76	-443.59	-72.63	449.50	189.30	461,641.41	602,988.37
9,235.00	50.30	347.00	9,135.15	-409.58	-409.40	-81.17	417.37	191.21	461,675.60	602,979.83
9,282.00	53.80	349.00	9,164.05	-373.35	-373.15	-88.86	383.59	193.39	461,711.85	602,972.14
9,329.00	55.60	349.60	9,191.21	-335.68	-335.46	-95.98	348.92	195.97	461,749.54	602,965.02
9,375.00	56.30	349.60	9,216.96	-298.21	-297.97	-102.86	315.23	199.04	461,787.03	602,958.14
9,422.00	57.60	349.60	9,242.59	-259.48	-259.23	-109.97	281.59	202.99	461,825.77	602,951.03
9,468.00	60.40	350.10	9,266.28	-220.68	-220.42	-116.92	249.51	207.94	461,864.58	602,944.08



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Wellbore: OH
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MD Reference: Well @ 3146.50usft
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)	
9,515.00	63.30	350.40	9,288.45	-179.86	-179.58	-123.93	218.19	214.61	461,905.42	602,937.07	
9,561.00	65.50	350.40	9,308.33	-138.98	-138.68	-130.85	190.67	223.34	461,946.32	602,930.15	
9,608.00	66.80	350.40	9,327.33	-96.61	-96.30	-138.02	168.29	235.10	461,988.70	602,922.98	
9,654.00	69.60	351.00	9,344.41	-54.48	-54.15	-144.92	154.71	249.51	462,030.85	602,916.08	
9,701.00	72.20	352.20	9,359.79	-10.56	-10.22	-151.40	151.75	266.14	462,074.78	602,909.60	
9,747.00	74.50	352.80	9,372.97	33.12	33.47	-157.15	160.68	282.02	462,118.47	602,903.85	
9,803.00	78.30	353.50	9,386.14	87.13	87.50	-163.64	185.57	298.13	462,172.50	602,897.36	
9,850.00	78.80	353.20	9,395.47	132.87	133.26	-168.98	215.20	308.26	462,218.26	602,892.02	
9,898.00	82.40	355.50	9,403.31	179.98	180.37	-173.63	250.36	316.09	462,265.37	602,887.37	
9,945.00	86.40	357.60	9,407.89	226.65	227.05	-176.44	287.55	322.15	462,312.05	602,884.56	
10,039.00	87.60	359.70	9,412.81	320.48	320.89	-178.65	367.27	330.89	462,405.89	602,882.35	
10,133.00	86.80	359.20	9,417.41	414.36	414.77	-179.55	451.97	336.59	462,499.77	602,881.45	
10,227.00	91.40	0.60	9,418.88	508.32	508.73	-179.72	539.54	340.54	462,593.73	602,881.28	
10,321.00	90.90	359.50	9,417.00	602.30	602.71	-179.64	628.91	343.40	462,687.71	602,881.36	
10,415.00	93.80	1.40	9,413.14	696.21	696.62	-178.90	719.22	345.60	462,781.62	602,882.10	
10,508.00	94.60	1.10	9,406.33	788.94	789.34	-176.88	808.92	347.37	462,874.34	602,884.12	
10,603.00	95.30	0.90	9,398.13	883.57	883.97	-175.22	901.17	348.79	462,968.97	602,885.78	
10,697.00	93.10	0.40	9,391.25	977.31	977.71	-174.16	993.10	349.90	463,062.71	602,886.84	
10,791.00	92.80	359.90	9,386.41	1,071.19	1,071.58	-173.92	1,085.61	350.78	463,156.58	602,887.08	
10,885.00	88.90	359.60	9,385.02	1,165.16	1,165.55	-174.33	1,178.52	351.49	463,250.55	602,886.67	
10,979.00	88.80	359.70	9,386.90	1,259.13	1,259.53	-174.90	1,271.62	352.09	463,344.53	602,886.10	
11,074.00	89.10	359.20	9,388.64	1,354.11	1,354.51	-175.81	1,365.88	352.60	463,439.51	602,885.19	
11,168.00	89.70	359.60	9,389.63	1,448.10	1,448.50	-176.80	1,459.25	353.04	463,533.50	602,884.20	
11,262.00	87.90	1.40	9,391.60	1,542.07	1,542.47	-175.98	1,552.48	353.49	463,627.47	602,885.02	
11,356.00	88.00	0.90	9,394.96	1,635.99	1,636.39	-174.09	1,645.63	353.93	463,721.39	602,886.91	
11,449.00	87.10	0.30	9,398.94	1,728.90	1,729.30	-173.12	1,737.94	354.28	463,814.30	602,887.88	
11,543.00	87.20	0.80	9,403.61	1,822.78	1,823.18	-172.22	1,831.29	354.60	463,908.18	602,888.78	



ProDirectional
Survey Report



Company: Matador Resources
Project: Eddy County, NM(NAD 83)
Site: Jim Tom Lontos 30-23S-28E RB
Well: No. 201H
Wellbore: OH
Design: MWD-167'-14179', Proj. 14320'

Local Co-ordinate Reference: Well No. 201H
TVD Reference: Well @ 3146.50usft
MD Reference: Well @ 3146.50usft
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)	
11,637.00	87.30	0.10	9,408.12	1,916.67	1,917.07	-171.48	1,924.72	354.89	464,002.07	602,889.52	
11,731.00	89.10	1.60	9,411.07	2,010.61	2,011.00	-170.09	2,018.18	355.17	464,096.00	602,890.91	
11,825.00	88.80	359.90	9,412.79	2,104.59	2,104.98	-168.86	2,111.74	355.41	464,189.98	602,892.14	
11,920.00	89.10	359.10	9,414.54	2,199.56	2,199.96	-169.68	2,206.49	355.59	464,284.96	602,891.32	
12,014.00	88.80	359.00	9,416.26	2,293.53	2,293.93	-171.24	2,300.31	355.73	464,378.93	602,889.76	
12,109.00	89.20	358.40	9,417.92	2,388.49	2,388.89	-173.40	2,395.17	355.85	464,473.89	602,887.60	
12,203.00	92.20	1.90	9,416.77	2,482.46	2,482.85	-173.15	2,488.88	356.01	464,567.85	602,887.85	
12,298.00	92.00	1.10	9,413.29	2,577.36	2,577.76	-170.67	2,583.40	356.21	464,662.76	602,890.33	
12,392.00	91.80	0.40	9,410.17	2,671.31	2,671.70	-169.44	2,677.06	356.37	464,756.70	602,891.56	
12,486.00	92.00	0.60	9,407.05	2,765.25	2,765.64	-168.62	2,770.78	356.51	464,850.64	602,892.38	
12,580.00	92.00	1.20	9,403.77	2,859.19	2,859.57	-167.14	2,864.45	356.65	464,944.57	602,893.86	
12,674.00	92.00	0.80	9,400.49	2,953.12	2,953.50	-165.50	2,958.13	356.79	465,038.50	602,895.50	
12,768.00	88.80	2.30	9,399.84	3,047.07	3,047.45	-162.96	3,051.80	356.94	465,132.45	602,898.04	
12,862.00	90.20	3.50	9,400.66	3,140.95	3,141.32	-158.20	3,145.30	357.12	465,226.32	602,902.80	
12,956.00	90.50	4.50	9,400.08	3,234.74	3,235.09	-151.65	3,238.64	357.32	465,320.09	602,909.35	
13,050.00	83.80	3.10	9,404.75	3,328.37	3,328.71	-145.43	3,331.89	357.50	465,413.71	602,915.57	
13,145.00	84.10	2.90	9,414.77	3,422.72	3,423.05	-140.48	3,425.93	357.65	465,508.05	602,920.52	
13,239.00	84.30	2.50	9,424.26	3,516.15	3,516.47	-136.08	3,519.10	357.78	465,601.47	602,924.92	
13,333.00	86.90	1.30	9,431.48	3,609.82	3,610.13	-132.97	3,612.58	357.89	465,695.13	602,928.03	
13,427.00	88.80	1.60	9,435.00	3,703.72	3,704.03	-130.59	3,706.33	357.98	465,789.03	602,930.41	
13,521.00	91.70	3.60	9,434.59	3,797.62	3,797.92	-126.33	3,800.02	358.09	465,882.92	602,934.67	
13,615.00	88.20	1.20	9,434.67	3,891.52	3,891.81	-122.40	3,893.74	358.20	465,976.81	602,938.60	
13,709.00	90.40	0.40	9,435.82	3,985.50	3,985.79	-121.08	3,987.63	358.26	466,070.79	602,939.92	
13,803.00	93.70	1.60	9,432.46	4,079.42	4,079.70	-119.45	4,081.45	358.32	466,164.70	602,941.55	
13,991.00	92.90	359.90	9,421.64	4,267.09	4,267.36	-116.99	4,268.97	358.43	466,352.36	602,944.01	
14,085.00	92.10	359.30	9,417.54	4,360.99	4,361.27	-117.65	4,362.86	358.45	466,446.27	602,943.35	



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM(NAD 83)
Site: Jim Tom Lontos 30-23S-28E RB
Well: No. 201H
Wellbore: OH
Design: MWD-167'-14179', Proj. 14320'

Local Co-ordinate Reference: Well No. 201H
TVD Reference: Well @ 3146.50usft
MD Reference: Well @ 3146.50usft
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)	
14,179.00	93.30	0.50	9,413.11	4,454.88	4,455.16	-117.81	4,456.72	358.49	466,540.16	602,943.19	
Last Survey: 14179' MD											
14,320.00	93.30	0.50	9,404.99	4,595.65	4,595.92	-116.58	4,597.40	358.55	466,680.92	602,944.42	
PTB: 14320' MD											

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
167.00	167.00	-0.04	-0.44	Pro MWD First Survey: 167' MD	
14,179.00	9,413.11	4,455.16	-117.81	Last Survey: 14179' MD	
14,320.00	9,404.99	4,595.92	-116.58	PTB: 14320' MD	