



NM OIL CONSERVATION
ARTESIA DISTRICT
SEP 27 2017

RECEIVED

Anne Com 15-24S-28E RB No. 201H

Eddy County, NM 30-015-44210

June 30, 2017

Job No. LNM5141117

ORIGINAL

Survey Completion Report



PRODIRECTIONAL

Survey Certification Letter

June 30, 2017



NM OIL CONSERVATION
ARTESIA DISTRICT

SEP 27 2017

RECEIVED

Operator Name: Matador Resources
Well Name: Anne Com 15-24S-28E RB No. 201H
County/Parish: Eddy County,
State: NM
Rig Name: Patterson 274
Job Number: LNM5141117

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	9,393' MD – 14,163' MD	14,225' MD	06/09/17 – 06/17/17	MWD

Sincerely,

Mike Coats
Well Planning
Professional Directional

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

prodirectional.com



Matador Resources

**Eddy County, NM
Anne Com 15-24S-28E RB
No. 201H
OH**

Survey: ProDirectional

Survey Report

30 June, 2017

**NM OIL CONSERVATION
ARTESIA DISTRICT
SEP 27 2017
RECEIVED**





ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well 201H
Project:	Eddy County, NM	TVD Reference:	RIG @ 3043.50usft (GL: 3015' MD + 28.5' KB(Patt274))
Site:	Anne Com	MD Reference:	RIG @ 3043.50usft (GL: 3015' MD + 28.5' KB(Patt274))
Well:	201H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Gyro/MWD 100'-14163' PTB 14225'	Database:	WellPlanner1

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

Site	Anne Com		
Site Position:		Northing:	444,799.00 usft
From:	Map	Easting:	578,088.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.2226173
		Longitude:	-104.0808206
		Grid Convergence:	0.13 °

Well	201H					
Well Position	+N~S	0.00 usft	Northing:	444,799.00 usft	Latitude:	32.2226173
	+E~W	0.00 usft	Easting:	578,088.00 usft	Longitude:	-104.0808206
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,015.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	5/22/2017	7.30	60.07	48,117.20

Design		Gyro/MWD 100'-14163' PTB 14225'		
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	89.79



ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well 201H
Project:	Eddy County, NM	TVD Reference:	RIG @ 3043.50usft (GL: 3015' MD + 28.5' KB(Patt274))
Site:	Anne Com	MD Reference:	RIG @ 3043.50usft (GL: 3015' MD + 28.5' KB(Patt274))
Well:	201H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Gyro/MWD 100'-14163' PTB 14225'	Database:	WellPlanner1

Survey Program		Date 6/30/2017			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.00	9,345.00	Gyro (OH)	GYRO-NS-CT	OWSG XYZ Accel with XY Static and Continuous Gyro	
9,393.00	14,225.00	MWD (OH)	MWD+HDGM	OWSG MWD + HRGM	

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	444,799.00	578,088.00	
100.00	0.36	282.51	100.00	-0.31	0.07	-0.31	0.31	282.51	444,799.07	578,087.69	
200.00	0.34	268.84	200.00	-0.91	0.13	-0.91	0.92	278.14	444,799.13	578,087.09	
300.00	0.48	30.53	300.00	-0.99	0.48	-0.99	1.11	296.01	444,799.48	578,087.01	
400.00	2.07	41.54	399.97	0.42	2.20	0.42	2.24	10.73	444,801.20	578,088.42	
500.00	2.81	45.21	499.88	3.37	5.28	3.35	6.25	32.44	444,804.28	578,091.35	
600.00	2.94	44.01	599.75	6.91	8.85	6.88	11.20	37.85	444,807.85	578,094.88	
700.00	3.00	34.52	699.62	10.19	12.85	10.14	16.37	38.28	444,811.85	578,098.14	
800.00	5.09	324.38	799.41	9.11	18.61	9.04	20.69	25.90	444,817.61	578,097.04	
900.00	5.08	331.31	899.02	4.43	26.10	4.33	26.46	9.42	444,825.10	578,092.33	
1,000.00	4.87	325.31	998.65	-0.09	33.48	-0.21	33.48	359.64	444,832.48	578,087.79	
1,100.00	4.27	310.22	1,098.33	-5.33	39.37	-5.47	39.75	352.09	444,838.37	578,082.53	
1,200.00	3.70	300.86	1,198.09	-10.92	43.43	-11.08	44.82	345.68	444,842.43	578,076.92	
1,300.00	3.21	294.47	1,297.91	-16.23	46.25	-16.40	49.07	340.47	444,845.25	578,071.60	
1,400.00	2.21	304.73	1,397.79	-20.36	48.50	-20.53	52.67	337.05	444,847.50	578,067.47	
1,500.00	2.70	293.56	1,497.70	-24.09	50.54	-24.28	56.07	334.34	444,849.54	578,063.72	
1,600.00	4.38	292.98	1,597.51	-29.76	52.98	-29.95	60.86	330.52	444,851.98	578,058.05	
1,700.00	4.92	299.65	1,697.18	-36.99	56.59	-37.20	67.72	326.68	444,855.59	578,050.80	
1,800.00	4.93	297.33	1,796.81	-44.52	60.68	-44.74	75.39	323.60	444,859.68	578,043.26	
1,900.00	3.01	304.68	1,896.57	-50.48	64.15	-50.72	81.78	321.67	444,863.15	578,037.28	
2,000.00	3.60	306.07	1,996.40	-55.17	67.49	-55.41	87.33	320.61	444,866.49	578,032.59	



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well 201H
Project:	Eddy County, NM	TVD Reference:	RIG @ 3043.50usft (GL: 3015' MD + 28.5' KB(Patt274))
Site:	Anne Com	MD Reference:	RIG @ 3043.50usft (GL: 3015' MD + 28.5' KB(Patt274))
Well:	201H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Gyro/MWD 100'-14163' PTB 14225'	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)	
2,100.00	3.67	306.30	2,096.20	-60.27	71.24	-60.53	93.48	319.65	444,870.24	578,027.47	
2,200.00	5.52	316.07	2,195.88	-66.17	76.59	-66.45	101.40	319.06	444,875.59	578,021.55	
2,300.00	6.75	330.30	2,295.31	-72.38	85.16	-72.70	111.97	319.52	444,884.16	578,015.30	
2,400.00	9.26	317.26	2,394.33	-80.72	96.18	-81.07	125.79	319.87	444,895.18	578,006.93	
2,500.00	7.58	312.93	2,493.25	-90.97	106.58	-91.36	140.38	319.40	444,905.58	577,996.64	
2,600.00	6.83	315.48	2,592.46	-99.94	115.32	-100.36	152.87	318.97	444,914.32	577,987.64	
2,700.00	7.41	311.11	2,691.69	-108.93	123.80	-109.39	165.20	318.54	444,922.80	577,978.61	
2,800.00	9.69	312.11	2,790.57	-120.00	133.68	-120.49	179.97	317.97	444,932.68	577,967.51	
2,900.00	10.90	313.71	2,888.96	-133.03	145.86	-133.57	197.77	317.52	444,944.86	577,954.43	
3,000.00	10.42	312.73	2,987.24	-146.46	158.53	-147.05	216.22	317.15	444,957.53	577,940.95	
3,100.00	10.82	313.50	3,085.52	-159.87	171.12	-160.50	234.61	316.84	444,970.12	577,927.50	
3,200.00	12.49	310.75	3,183.46	-174.82	184.64	-175.50	254.74	316.45	444,983.64	577,912.50	
3,300.00	13.08	307.45	3,280.98	-191.95	198.58	-192.67	276.69	315.87	444,997.58	577,895.33	
3,400.00	13.83	309.20	3,378.23	-210.14	213.02	-210.92	299.77	315.28	445,012.02	577,877.08	
3,500.00	14.87	310.48	3,475.11	-229.10	228.90	-229.94	324.45	314.87	445,027.90	577,858.06	
3,600.00	15.20	311.34	3,571.69	-248.64	245.89	-249.55	350.34	314.58	445,044.89	577,838.45	
3,700.00	15.60	310.90	3,668.10	-268.58	263.36	-269.55	376.85	314.33	445,062.36	577,818.45	
3,800.00	16.83	312.40	3,764.12	-289.37	281.92	-290.41	404.74	314.15	445,080.92	577,797.59	
3,900.00	16.63	310.49	3,859.89	-310.87	300.97	-311.98	433.49	313.97	445,099.97	577,776.02	
4,000.00	16.02	309.60	3,955.86	-332.32	319.06	-333.49	461.54	313.73	445,118.06	577,754.51	
4,100.00	16.68	309.57	4,051.81	-353.95	337.00	-355.19	489.62	313.49	445,136.00	577,732.81	
4,200.00	16.29	308.25	4,147.70	-375.96	354.82	-377.27	517.91	313.24	445,153.82	577,710.73	
4,300.00	15.81	310.45	4,243.80	-397.28	372.35	-398.65	545.49	313.05	445,171.35	577,689.35	
4,400.00	16.81	316.45	4,339.78	-417.54	391.67	-418.98	573.54	313.07	445,190.67	577,669.02	
4,500.00	16.50	316.03	4,435.59	-437.29	412.37	-438.80	602.15	313.22	445,211.37	577,649.20	
4,600.00	17.19	317.37	4,531.30	-457.08	433.46	-458.67	631.08	313.38	445,232.46	577,629.33	
4,700.00	16.70	316.89	4,626.96	-476.82	454.82	-478.49	660.17	313.55	445,253.82	577,609.51	



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well 201H
Project:	Eddy County, NM	TVD Reference:	RIG @ 3043.50usft (GL: 3015' MD + 28.5' KB(Patt274))
Site:	Anne Com	MD Reference:	RIG @ 3043.50usft (GL: 3015' MD + 28.5' KB(Patt274))
Well:	201H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Gyro/MWD 100'-14163' PTB 14225'	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)	
4,800.00	16.90	319.16	4,722.69	-496.07	476.31	-497.82	688.98	313.73	445,275.31	577,590.18	
4,900.00	17.08	318.21	4,818.33	-515.28	498.25	-517.11	718.09	313.94	445,297.25	577,570.89	
5,000.00	15.79	317.23	4,914.24	-534.23	519.19	-536.14	746.32	314.08	445,318.19	577,551.86	
5,100.00	14.48	318.62	5,010.77	-551.66	538.56	-553.64	772.38	314.21	445,337.56	577,534.36	
5,200.00	14.33	319.65	5,107.62	-567.87	557.37	-569.92	797.16	314.36	445,356.37	577,518.08	
5,300.00	13.12	319.35	5,204.77	-583.21	575.41	-585.32	820.80	314.51	445,374.41	577,502.68	
5,400.00	9.66	323.52	5,302.78	-595.54	590.78	-597.71	840.40	314.67	445,389.78	577,490.29	
5,500.00	8.24	313.45	5,401.57	-605.69	602.45	-607.90	855.86	314.74	445,401.45	577,480.10	
5,600.00	7.67	305.19	5,500.61	-616.31	611.23	-618.56	869.60	314.66	445,410.23	577,469.44	
5,700.00	6.03	314.72	5,599.90	-625.47	618.77	-627.75	881.44	314.59	445,417.77	577,460.25	
5,800.00	5.54	312.21	5,699.39	-632.76	625.71	-635.05	891.52	314.58	445,424.71	577,452.95	
5,900.00	5.34	306.94	5,798.94	-640.03	631.75	-642.35	900.95	314.52	445,430.75	577,445.65	
6,000.00	5.11	304.55	5,898.52	-647.40	637.07	-649.73	909.95	314.44	445,436.07	577,438.27	
6,100.00	4.88	309.71	5,998.14	-654.32	642.31	-656.67	918.58	314.37	445,441.31	577,431.33	
6,200.00	4.45	313.48	6,097.81	-660.38	647.70	-662.76	926.70	314.34	445,446.70	577,425.24	
6,300.00	3.08	308.43	6,197.59	-665.29	652.04	-667.68	933.25	314.32	445,451.04	577,420.32	
6,400.00	0.55	283.62	6,297.54	-667.85	653.82	-670.25	936.33	314.29	445,452.82	577,417.75	
6,500.00	0.17	25.67	6,397.53	-668.25	654.07	-670.66	936.80	314.28	445,453.07	577,417.34	
6,600.00	0.18	172.89	6,497.53	-668.17	654.05	-670.57	936.72	314.29	445,453.05	577,417.43	
6,700.00	0.36	209.68	6,597.53	-668.31	653.62	-670.71	936.52	314.26	445,452.62	577,417.29	
6,800.00	1.10	140.63	6,697.53	-667.86	652.60	-670.25	935.48	314.24	445,451.60	577,417.75	
6,900.00	2.32	148.20	6,797.48	-666.19	650.14	-668.58	932.57	314.20	445,449.14	577,419.42	
7,000.00	1.30	182.34	6,897.43	-665.18	647.29	-667.56	929.85	314.12	445,446.29	577,420.44	
7,100.00	1.30	231.09	6,997.41	-666.12	645.44	-668.49	929.23	314.00	445,444.44	577,419.51	
7,200.00	1.41	228.99	7,097.38	-667.93	643.92	-670.30	929.48	313.85	445,442.92	577,417.70	
7,300.00	1.33	207.03	7,197.35	-669.40	642.08	-671.75	929.26	313.71	445,441.08	577,416.25	
7,400.00	1.36	210.19	7,297.32	-670.53	640.02	-672.88	928.65	313.57	445,439.02	577,415.12	



ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well 201H
Project:	Eddy County, NM	TVD Reference:	RIG @ 3043.50usft (GL: 3015' MD + 28.5' KB(Patt274))
Site:	Anne Com	MD Reference:	RIG @ 3043.50usft (GL: 3015' MD + 28.5' KB(Patt274))
Well:	201H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Gyro/MWD 100'-14163' PTB 14225'	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)	
7,500.00	0.96	190.01	7,397.30	-671.28	638.17	-673.62	927.91	313.45	445,437.17	577,414.38	
7,600.00	1.14	151.48	7,497.29	-670.95	636.47	-673.29	926.51	313.39	445,435.47	577,414.71	
7,700.00	1.54	154.87	7,597.26	-669.92	634.38	-672.25	924.31	313.34	445,433.38	577,415.75	
7,800.00	2.38	172.20	7,697.20	-669.08	631.11	-671.39	921.45	313.23	445,430.11	577,416.61	
7,900.00	3.28	160.64	7,797.08	-667.86	626.35	-670.16	917.30	313.06	445,425.35	577,417.84	
8,000.00	2.77	198.26	7,896.95	-667.69	621.36	-669.97	913.75	312.84	445,420.36	577,418.03	
8,100.00	1.72	222.62	7,996.87	-669.48	617.96	-671.75	912.75	312.61	445,416.96	577,416.25	
8,200.00	1.83	233.57	8,096.83	-671.78	615.90	-674.05	913.06	312.42	445,414.90	577,413.95	
8,300.00	1.51	235.64	8,196.78	-674.16	614.21	-676.42	913.67	312.24	445,413.21	577,411.58	
8,400.00	1.35	245.08	8,296.75	-676.32	612.97	-678.57	914.44	312.09	445,411.97	577,409.43	
8,500.00	1.16	265.87	8,396.73	-678.40	612.40	-680.65	915.60	311.98	445,411.40	577,407.35	
8,600.00	0.99	310.44	8,496.71	-680.07	612.89	-682.32	917.17	311.93	445,411.89	577,405.68	
8,700.00	0.89	298.99	8,596.70	-681.40	613.83	-683.66	918.79	311.92	445,412.83	577,404.34	
8,800.00	0.96	313.98	8,696.69	-682.68	614.79	-684.94	920.38	311.91	445,413.79	577,403.06	
8,900.00	1.03	331.86	8,796.67	-683.70	616.16	-685.97	922.06	311.93	445,415.16	577,402.03	
9,000.00	2.32	50.04	8,896.64	-682.57	618.25	-684.84	922.63	312.07	445,417.25	577,403.16	
9,100.00	13.38	82.80	8,995.57	-669.48	621.01	-671.76	914.83	312.75	445,420.01	577,416.24	
9,200.00	22.39	92.68	9,090.66	-638.91	621.57	-641.19	893.02	314.11	445,420.57	577,446.81	
9,300.00	27.28	97.41	9,181.39	-597.14	617.72	-599.41	860.74	315.86	445,416.72	577,488.59	
9,345.00	33.78	92.85	9,220.14	-574.40	615.77	-576.66	843.63	316.88	445,414.77	577,511.34	
9,393.00	38.50	88.80	9,258.90	-546.12	615.42	-548.38	824.29	318.30	445,414.42	577,539.62	
Pro MWD First Survey: 9393' MD											
9,440.00	43.10	88.60	9,294.47	-515.42	616.12	-517.68	804.73	319.96	445,415.12	577,570.32	
9,488.00	46.30	88.60	9,328.58	-481.67	616.94	-483.93	784.10	321.89	445,415.94	577,604.07	
9,535.00	51.10	86.40	9,359.60	-446.40	618.51	-448.67	764.11	324.04	445,417.51	577,639.33	
9,583.00	57.00	84.30	9,387.76	-407.69	621.68	-409.97	744.69	326.60	445,420.68	577,678.03	
9,630.00	61.00	84.90	9,411.97	-367.57	625.47	-369.87	726.64	329.40	445,424.47	577,718.13	



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM
Site: Anne Corn
Well: 201H
Wellbore: OH
Design: Gyro/MWD 100'-14163' PTB 14225'

Local Co-ordinate Reference: Well 201H
TVD Reference: RIG @ 3043.50usft (GL: 3015' MD + 28.5' KB(Patt274))
MD Reference: RIG @ 3043.50usft (GL: 3015' MD + 28.5' KB(Patt274))
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)
9,678.00	63.20	85.20		9,434.43	-325.30	629.13	-327.61	709.31	332.49	445,428.13	577,760.39
9,725.00	65.90	86.60		9,454.62	-282.96	632.16	-285.28	693.55	335.71	445,431.16	577,802.72
9,773.00	67.70	85.70		9,473.53	-238.94	635.12	-241.26	679.40	339.20	445,434.12	577,846.74
9,805.00	70.60	85.70		9,484.92	-209.11	637.36	-211.45	671.52	341.65	445,436.36	577,876.55
9,837.00	75.10	86.40		9,494.35	-178.61	639.47	-180.95	664.57	344.20	445,438.47	577,907.05
9,893.00	81.10	88.40		9,505.90	-123.88	641.94	-126.24	654.23	348.87	445,440.94	577,961.76
9,924.00	81.60	88.80		9,510.56	-93.24	642.69	-95.60	649.76	351.54	445,441.69	577,992.40
9,955.00	83.50	89.20		9,514.58	-62.51	643.22	-64.87	646.49	354.24	445,442.22	578,023.13
9,987.00	86.90	91.90		9,517.26	-30.63	642.92	-32.99	643.76	357.06	445,441.92	578,055.01
10,049.00	90.80	95.40		9,518.50	31.19	638.97	28.85	639.62	2.59	445,437.97	578,116.85
10,143.00	89.90	95.40		9,517.93	124.74	630.12	122.43	641.91	11.00	445,429.12	578,210.43
10,237.00	87.10	94.50		9,520.39	218.32	622.02	216.04	658.47	19.15	445,421.02	578,304.04
10,332.00	86.70	93.80		9,525.52	312.90	615.15	310.65	689.14	26.79	445,414.15	578,398.65
10,426.00	86.30	93.20		9,531.26	406.53	609.42	404.30	731.34	33.56	445,408.42	578,492.30
10,519.00	86.50	91.20		9,537.10	499.26	605.86	497.04	783.66	39.37	445,404.86	578,585.04
10,612.00	85.40	90.40		9,543.67	592.01	604.57	589.80	844.61	44.29	445,403.57	578,677.80
10,705.00	90.90	89.80		9,546.67	684.92	604.40	682.71	911.81	48.48	445,403.40	578,770.71
10,800.00	90.40	89.80		9,545.59	779.92	604.74	777.71	985.16	52.13	445,403.74	578,865.71
10,894.00	88.10	87.50		9,546.82	873.88	606.95	871.66	1,062.16	55.15	445,405.95	578,959.66
10,988.00	91.60	88.40		9,547.07	967.81	610.31	965.58	1,142.29	57.70	445,409.31	579,053.58
11,082.00	92.60	88.70		9,543.63	1,061.73	612.69	1,059.49	1,223.89	59.96	445,411.69	579,147.49
11,176.00	90.90	89.10		9,540.76	1,155.67	614.49	1,153.42	1,306.90	61.95	445,413.49	579,241.42
11,271.00	88.50	88.40		9,541.25	1,250.64	616.56	1,248.39	1,392.35	63.72	445,415.56	579,336.39
11,365.00	90.80	88.90		9,541.83	1,344.62	618.78	1,342.36	1,478.11	65.25	445,417.78	579,430.36
11,459.00	90.60	88.90		9,540.68	1,438.60	620.58	1,436.33	1,564.67	66.63	445,419.58	579,524.33
11,553.00	87.70	89.30		9,542.07	1,532.57	622.06	1,530.30	1,651.90	67.88	445,421.06	579,618.30
11,647.00	90.20	91.20		9,543.80	1,626.54	621.65	1,624.27	1,739.17	69.06	445,420.65	579,712.27



ProDirectional
Survey Report



Company: Matador Resources
Project: Eddy County, NM
Site: Anne Com
Well: 201H
Wellbore: OH
Design: Gyro/MWD 100'-14163' PTB 14225'

Local Co-ordinate Reference: Well 201H
TVD Reference: RIG @ 3043.50usft (GL: 3015' MD + 28.5' KB(Patt274))
MD Reference: RIG @ 3043.50usft (GL: 3015' MD + 28.5' KB(Patt274))
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)
11,742.00	89.00	93.50		9,544.46	1,721.44	617.75	1,719.18	1,826.80	70.24	445,416.75	579,807.18
11,836.00	89.70	94.40		9,545.53	1,815.18	611.28	1,812.95	1,913.23	71.37	445,410.28	579,900.95
11,930.00	87.00	95.40		9,548.23	1,908.76	603.25	1,906.56	1,999.72	72.44	445,402.25	579,994.56
12,024.00	83.10	93.30		9,556.34	2,002.09	596.15	1,999.92	2,086.88	73.40	445,395.15	580,087.92
12,119.00	82.20	90.00		9,568.50	2,096.24	593.43	2,094.08	2,176.54	74.18	445,392.43	580,182.08
12,213.00	88.80	89.50		9,575.87	2,189.90	593.84	2,187.74	2,266.90	74.81	445,392.84	580,275.74
12,307.00	88.40	90.10		9,578.17	2,283.87	594.17	2,281.71	2,357.80	75.40	445,393.17	580,369.71
12,400.00	86.00	88.60		9,582.71	2,376.75	595.22	2,374.58	2,448.05	75.93	445,394.22	580,462.58
12,495.00	86.10	88.10		9,589.25	2,471.49	597.95	2,469.32	2,540.68	76.39	445,396.95	580,557.32
12,589.00	83.80	88.00		9,597.53	2,565.08	601.14	2,562.89	2,632.45	76.80	445,400.14	580,650.89
12,685.00	84.10	87.00		9,607.65	2,660.47	605.30	2,658.27	2,726.31	77.17	445,404.30	580,746.27
12,779.00	89.40	86.50		9,612.97	2,754.15	610.62	2,751.93	2,818.86	77.49	445,409.62	580,839.93
12,873.00	91.80	86.90		9,611.99	2,848.00	616.03	2,845.76	2,911.68	77.79	445,415.03	580,933.76
12,967.00	88.00	85.10		9,612.15	2,941.77	622.59	2,939.51	3,004.72	78.04	445,421.59	581,027.51
13,062.00	90.80	83.60		9,613.15	3,036.33	631.94	3,034.03	3,099.15	78.23	445,430.94	581,122.03
13,156.00	93.40	85.60		9,609.70	3,129.87	640.78	3,127.54	3,192.51	78.42	445,439.78	581,215.54
13,250.00	93.40	87.80		9,604.13	3,223.56	646.18	3,221.21	3,285.39	78.66	445,445.18	581,309.21
13,345.00	92.80	90.10		9,598.99	3,318.40	647.92	3,316.05	3,378.76	78.94	445,446.92	581,404.05
13,439.00	91.60	91.30		9,595.38	3,412.32	646.77	3,409.97	3,470.77	79.26	445,445.77	581,497.97
13,533.00	87.40	92.20		9,596.20	3,506.24	643.90	3,503.90	3,562.57	79.59	445,442.90	581,591.90
13,627.00	90.10	92.30		9,598.25	3,600.12	640.21	3,597.80	3,654.32	79.91	445,439.21	581,685.80
13,721.00	87.20	91.60		9,600.47	3,694.02	637.01	3,691.71	3,746.26	80.21	445,436.01	581,779.71
13,816.00	88.00	91.10		9,604.44	3,788.90	634.78	3,786.60	3,839.43	80.48	445,433.78	581,874.60
13,909.00	90.40	91.50		9,605.74	3,881.85	632.67	3,879.56	3,930.81	80.74	445,431.67	581,967.56
14,003.00	88.20	91.80		9,606.89	3,975.79	629.96	3,973.50	4,023.13	80.99	445,428.96	582,061.50
14,097.00	88.80	91.40		9,609.35	4,069.71	627.34	4,067.44	4,115.53	81.23	445,426.34	582,155.44



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM
Site: Anne Com
Well: 201H
Wellbore: OH
Design: Gyro/MWD 100'-14163' PTB 14225'

Local Co-ordinate Reference: Well 201H
TVD Reference: RIG @ 3043.50usft (GL: 3015' MD + 28.5' KB(Patt274))
MD Reference: RIG @ 3043.50usft (GL: 3015' MD + 28.5' KB(Patt274))
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)	
14,135.50	89.32	91.11	9,609.98	4,108.19	626.50	4,105.92	4,153.44	81.32	445,425.50	582,193.92	
330° HL Xing: 14135.5' MD, 4108' VS											
14,163.00	89.70	90.90	9,610.21	4,135.68	626.01	4,133.42	4,180.55	81.39	445,425.01	582,221.42	
Last Survey: 14,163' MD, 9610.21" TVD											
14,225.00	89.70	90.90	9,610.54	4,197.67	625.04	4,195.41	4,241.71	81.53	445,424.04	582,283.41	
PTB: 14225' MD											

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
9,393.00	9,258.90	615.42	-548.38	Pro MWD First Survey: 9393' MD
14,135.50	9,609.98	626.50	4,105.92	330' HL Xing: 14135.5' MD, 4108' VS
14,163.00	9,610.21	626.01	4,133.42	Last Survey: 14,163' MD, 9610.21" TVD
14,225.00	9,610.54	625.04	4,195.41	PTB: 14225' MD