



PRODIRECTIONAL

NM OIL CONSERVATION
ARTESIA DISTRICT
SEP 27 2016

RECEIVED



Janie Conner 13-24S-28E RB No. 207H
Eddy County, NM

April 17, 2016

Job No. LMN5122516

ORIGINAL

Survey Completion Report



PRODIRECTIONAL

Survey Certification Letter

April 17, 2016



NM OIL CONSERVATION
ARTESIA DISTRICT

SEP 27 2016

RECEIVED

Operator Name: Matador Resources
Well Name: Janie Conner 13-24S-28E RB No. 207H
County/Parish: Eddy County,
State: NM
Rig Name: Patterson 809
Job Number: LNM5122516

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	2,818' MD – 14,584' MD	14,658' MD	03/10/16 – 04/16/16	MWD-OWSG

Sincerely,

Mike Coats

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
Janie Conner 13-24S-28E RB
No. 207H
OH

Survey: ProDirectional

Survey Report

17 April, 2016

NM OIL CONSERVATION
ARTESIA DISTRICT
SEP 27 2016
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ProDirectional Survey Report



Company:	Matador Resources	Well No. 207H
Project:	Eddy County, NM	Well @ 3003.50usft (GL: 2975' + KB: 28.5' (Pat809))
Site:	Janie Conner 13-24S-28E RB	Well @ 3003.50usft (GL: 2975' + KB: 28.5' (Pat809))
Well:	No. 207H	Grid
Wellbore:	OH	Minimum Curvature
Design:	Gyros/MWD	Well_Planner1

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

Site	Janie Conner 13-24S-28E RB
Site Position:	
From:	Map
Position Uncertainty:	3.30 usft
Northing:	440,790.00 usft
Easting:	587,754.00 usft
Slot Radius:	13-3/16 "
Latitude:	32° 12' 41.51 N
Longitude:	104° 2' 58.55 W
Grid Convergence:	0.15 °

Well	No. 207H
Well Position	+N/-S 0.00 usft
+E/-W	0.00 usft
Position Uncertainty	1.10 usft
Wellhead Elevation:	0.00 usft
Latitude:	32° 12' 51.76 N
Longitude:	104° 2' 58.33 W
Ground Level:	2,975.00 usft

Wellbore	OH
Magnetics	
Model Name	
Sample Date	3/15/2016
Declination (°)	7.39
Dip Angle (°)	60.13
Field Strength (nT)	48,300

Design	Gyros/MWD
Audit Notes:	
Version:	1.0
Phase:	ACTUAL
Tie On Depth:	0.00
Vertical Section:	
Depth From (TVD) (usft)	0.00
+N/-S (usft)	0.00
+E/-W (usft)	0.00
Direction (°)	89.91



ProDirectional Survey Report



Company:	Matador Resources	Well No. 207H
Project:	Eddy County, NM	Well @ 3003.50usft (GL: 2975' + KB: 28.5' (Pat809))
Site:	Janie Corner 13-24S-28E RB	Well @ 3003.50usft (GL: 2975' + KB: 28.5' (Pat809))
Well:	No. 207H	Grid
Wellbore:	OH	Minimum Curvature
Design:	Gyros/MWD	Well_Planner1
Local Co-ordinate Reference:		
TVD Reference:		
MD Reference:		
North Reference:		
Survey Calculation Method:		
Database:		

Survey Program				Date	4/17/2016
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
83.66	2,668.00	Gyros (OH)	GYD_DP_MS	Gyrodata gyro-compassing and drop	
2,818.00	9,025.00	Survey #2 (OH)	MWD - OWSG	MWD - OWSG	
9,050.00	9,831.00	Survey #3 (OH)	MWD - OWSG	MWD - OWSG	
9,924.00	14,658.00	Survey #4 (OH)	MWD - OWSG	MWD - OWSG	

Survey	MD (usft)	Inc (°)	Azi (°)	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	441,825.88	587,770.83
	83.66	0.69	92.01	83.66	0.50	-0.02	0.50	0.50	92.01	441,825.86	587,771.33
	177.08	0.54	80.87	177.07	1.50	0.03	1.50	1.50	88.76	441,825.91	587,772.33
	270.50	0.51	100.54	270.49	2.34	0.03	2.34	2.34	89.36	441,825.91	587,773.17
	363.92	1.12	155.30	363.90	3.13	-0.88	3.13	3.25	105.67	441,825.00	587,773.96
	457.34	1.12	165.55	457.30	3.74	-2.59	3.74	4.55	124.71	441,823.29	587,774.57
	550.76	2.96	160.79	550.66	4.76	-5.76	4.76	7.47	140.38	441,820.12	587,775.59
	644.18	2.99	164.82	643.95	6.18	-10.38	6.20	12.09	149.17	441,815.50	587,777.03
	737.60	2.32	161.50	737.27	7.41	-14.53	7.43	16.32	152.90	441,811.35	587,778.26
	831.02	1.99	165.90	830.63	8.40	-17.90	8.43	19.78	154.78	441,807.98	587,779.26
	924.44	1.53	172.82	924.00	8.95	-20.71	8.98	22.57	156.55	441,805.17	587,779.81
	1,017.86	1.30	156.41	1,017.39	9.52	-22.91	9.56	24.83	157.35	441,802.97	587,780.39
	1,111.28	1.16	120.46	1,110.79	10.76	-24.36	10.80	26.65	156.09	441,801.52	587,781.63
	1,204.70	1.11	76.20	1,204.20	12.45	-24.63	12.49	27.62	153.10	441,801.25	587,783.32
	1,298.12	1.10	27.38	1,297.60	13.75	-23.62	13.78	27.35	149.73	441,802.26	587,784.61
	1,391.54	1.23	342.07	1,391.00	13.85	-21.87	13.89	25.90	147.58	441,804.01	587,784.72
	1,484.96	1.01	303.84	1,484.41	12.86	-20.45	12.90	24.18	147.77	441,805.43	587,783.73
	1,578.38	0.74	249.50	1,577.82	11.62	-20.21	11.65	23.32	150.04	441,805.67	587,782.48
	1,671.80	0.83	215.03	1,671.23	10.66	-20.97	10.69	23.54	152.98	441,804.91	587,781.52
	1,765.22	0.83	208.56	1,764.64	9.95	-22.12	9.98	24.27	155.71	441,803.76	587,780.81



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 207H
Project:	Eddy County, NM	TVD Reference:	Well @ 3003.50usft (GL: 2975' + KB: 28.5' (Pat809))
Site:	Janie Corner 13-24S-28E RB	MD Reference:	Well @ 3003.50usft (GL: 2975' + KB: 28.5' (Pat809))
Well:	No. 207H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Gyros/MWD	Database:	Well Planner1

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)
1,858.64	0.80	209.51	1,858.05	9.30	-23.28	9.34	25.08	158.15	441,802.60	587,780.17
1,952.06	0.77	158.01	1,951.46	9.21	-24.43	9.25	26.12	159.26	441,801.45	587,780.08
2,045.48	1.43	121.93	2,044.87	10.43	-25.63	10.48	27.69	157.77	441,800.25	587,781.31
2,138.90	1.52	96.32	2,138.26	12.65	-26.38	12.70	29.28	154.30	441,799.50	587,783.53
2,232.32	1.42	98.04	2,231.65	15.03	-26.68	15.07	30.64	150.54	441,799.20	587,785.90
2,325.74	2.11	107.89	2,325.02	17.81	-27.37	17.86	32.68	146.88	441,798.51	587,788.69
2,419.16	2.88	105.27	2,418.35	21.71	-28.52	21.76	35.87	142.66	441,797.36	587,792.59
2,512.58	2.51	90.81	2,511.67	26.02	-29.16	26.07	39.12	138.21	441,796.72	587,796.90
2,606.00	1.65	83.46	2,605.03	29.40	-29.04	29.45	41.36	134.60	441,796.84	587,800.28
2,668.00	1.56	68.72	2,667.00	31.08	-28.63	31.12	42.29	132.61	441,797.25	587,801.95
2,818.00	1.50	81.50	2,816.95	34.92	-27.60	34.97	44.55	128.29	441,798.28	587,805.80
Pro MWD First Survey: 2818' MD										
2,943.00	2.90	169.10	2,941.88	37.13	-30.47	37.18	48.07	129.33	441,795.41	587,808.01
3,037.00	3.90	196.40	3,035.72	36.67	-35.87	36.73	51.34	134.32	441,790.01	587,807.56
3,131.00	4.10	198.00	3,129.49	34.72	-42.13	34.79	54.64	140.45	441,783.75	587,805.62
3,224.00	4.30	198.00	3,222.24	32.61	-48.61	32.68	58.57	146.08	441,777.27	587,803.51
3,318.00	4.20	199.30	3,315.98	30.37	-55.21	30.46	63.05	151.12	441,770.67	587,801.29
3,412.00	4.40	196.30	3,409.72	28.21	-61.92	28.31	68.08	155.43	441,763.96	587,799.14
3,505.00	4.20	197.80	3,502.46	26.16	-68.58	26.27	73.44	159.05	441,757.30	587,797.10
3,599.00	4.10	197.20	3,596.21	24.10	-75.07	24.22	78.88	162.12	441,750.81	587,795.05
3,693.00	3.90	194.10	3,689.98	22.32	-81.38	22.45	84.42	164.58	441,744.50	587,793.28
3,787.00	3.80	195.60	3,783.77	20.69	-87.48	20.83	89.93	166.61	441,738.40	587,791.66
3,880.00	5.30	192.40	3,876.47	18.93	-94.65	19.08	96.55	168.60	441,731.23	587,789.91
3,974.00	5.50	191.40	3,970.06	17.09	-103.30	17.26	104.73	170.52	441,722.58	587,788.09
4,068.00	5.40	190.10	4,063.63	15.41	-112.07	15.59	113.15	172.08	441,713.81	587,786.42
4,161.00	5.50	190.60	4,156.21	13.81	-120.76	14.00	121.57	173.39	441,705.12	587,784.83
4,255.00	5.40	187.70	4,249.79	12.38	-129.57	12.58	130.18	174.45	441,696.31	587,783.41



ProDirectional Survey Report



Company: Matador Resources	Local Co-ordinate Reference:
Project: Eddy County, NM	TVD Reference: Well @ 3003.50usft (GL: 2975' + KB: 28.5' (Pat809))
Site: Janie Corner 13-24S-28E RB	MD Reference: Well @ 3003.50usft (GL: 2975' + KB: 28.5' (Pat809))
Well: No. 207H	North Reference: Grid
Wellbore: OH	Survey Calculation Method: Minimum Curvature
Design: Gyros/MWD	Database: Well_Planner1

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)
4,348.00	5.30	188.00	4,342.38	11.18	-138.16	11.40	138.63	175.28	441,687.72	587,782.23
4,442.00	5.20	187.10	4,435.99	10.04	-146.69	10.27	147.05	176.00	441,679.19	587,781.10
4,535.00	5.30	185.30	4,528.60	9.11	-155.15	9.35	155.43	176.55	441,670.73	587,780.18
4,629.00	5.30	183.00	4,622.20	8.46	-163.81	8.72	164.04	176.95	441,662.07	587,779.55
4,722.00	5.20	184.30	4,714.81	7.91	-172.30	8.18	172.49	177.28	441,653.58	587,779.01
4,816.00	5.10	184.10	4,808.43	7.28	-180.71	7.56	180.87	177.60	441,645.17	587,778.39
4,910.00	5.00	184.10	4,902.06	6.67	-188.97	6.97	189.10	177.89	441,636.91	587,777.80
5,003.00	4.60	181.20	4,994.73	6.29	-196.74	6.60	196.85	178.08	441,629.14	587,777.43
5,096.00	4.00	177.40	5,087.47	6.35	-203.71	6.67	203.82	178.12	441,622.17	587,777.50
5,190.00	3.50	173.40	5,181.27	6.82	-209.83	7.15	209.95	178.05	441,616.05	587,777.98
5,283.00	3.20	187.10	5,274.11	6.82	-215.23	7.16	215.35	178.10	441,610.65	587,777.99
5,376.00	3.50	203.20	5,366.96	5.37	-220.41	5.72	220.49	178.51	441,605.47	587,776.55
5,470.00	3.50	198.50	5,460.78	3.32	-225.77	3.68	225.80	179.07	441,600.11	587,774.51
5,563.00	3.30	199.70	5,553.62	1.51	-230.98	1.87	230.99	179.54	441,594.90	587,772.70
5,656.00	3.40	198.60	5,646.46	-0.28	-236.12	0.09	236.12	179.98	441,589.76	587,770.92
5,749.00	2.00	215.60	5,739.35	-2.11	-240.05	-1.73	240.06	180.41	441,585.83	587,769.10
5,843.00	1.90	218.90	5,833.30	-4.05	-242.60	-3.67	242.62	180.87	441,583.28	587,767.16
5,936.00	2.00	224.10	5,926.25	-6.15	-244.96	-5.76	245.03	181.35	441,580.92	587,765.07
6,030.00	1.90	225.20	6,020.19	-8.40	-247.24	-8.01	247.37	181.86	441,578.64	587,762.82
6,124.00	2.00	226.20	6,114.14	-10.69	-249.47	-10.30	249.68	182.36	441,576.41	587,760.53
6,217.00	0.80	232.80	6,207.11	-12.38	-250.99	-11.99	251.27	182.73	441,574.89	587,758.84
6,311.00	0.50	240.60	6,301.10	-13.27	-251.59	-12.87	251.91	182.93	441,574.29	587,757.96
6,404.00	1.10	245.40	6,394.09	-14.43	-252.16	-14.04	252.55	183.19	441,573.72	587,756.79
6,498.00	1.30	250.90	6,488.07	-16.26	-252.88	-15.86	253.38	183.59	441,573.00	587,754.97
6,591.00	1.50	251.70	6,581.04	-18.41	-253.61	-18.02	254.25	184.06	441,572.27	587,752.81
6,685.00	0.40	267.50	6,675.03	-19.91	-254.01	-19.51	254.76	184.39	441,571.87	587,751.32
6,779.00	0.90	234.90	6,769.02	-20.84	-254.45	-20.44	255.27	184.59	441,571.43	587,750.39



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 207H
Project:	Eddy County, NM	TVD Reference:	Well @ 3003.50usft (GL: 2975' + KB: 28.5' (Pat809))
Site:	Janie Conner 13-24S-28E RB	MD Reference:	Well @ 3003.50usft (GL: 2975' + KB: 28.5' (Pat809))
Well:	No. 207H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Gyros/MWD	Database:	Well_Planner1

Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
6,872.00	0.20	217.20	6,862.02	-21.54	-255.00	-21.14	255.87	184.74	441,570.88	587,749.69
6,966.00	0.70	175.60	6,956.02	-21.60	-255.70	-21.19	256.58	184.74	441,570.18	587,749.64
7,059.00	0.60	134.70	7,049.01	-21.21	-256.61	-20.80	257.45	184.64	441,569.27	587,750.03
7,153.00	0.70	71.80	7,143.01	-20.31	-256.78	-19.91	257.55	184.43	441,569.10	587,750.92
7,246.00	1.20	58.00	7,235.99	-18.95	-256.08	-18.54	256.75	184.14	441,569.80	587,752.29
7,340.00	1.30	54.70	7,329.97	-17.24	-254.94	-16.84	255.50	183.78	441,570.94	587,753.99
7,433.00	0.40	334.40	7,422.96	-16.52	-254.04	-16.12	254.55	183.63	441,571.84	587,754.71
7,527.00	0.80	266.60	7,516.96	-17.31	-253.79	-16.91	254.35	183.81	441,572.09	587,753.92
7,621.00	1.40	277.20	7,610.94	-19.11	-253.68	-18.71	254.37	184.22	441,572.20	587,752.12
7,714.00	2.40	318.40	7,703.89	-21.53	-252.08	-21.13	252.97	184.79	441,573.80	587,749.70
7,808.00	2.30	5.20	7,797.82	-22.66	-248.73	-22.27	249.73	185.12	441,577.15	587,748.56
7,901.00	2.80	356.70	7,890.73	-22.61	-244.60	-22.23	245.61	185.19	441,581.28	587,748.60
7,995.00	2.40	324.50	7,984.64	-23.88	-240.71	-23.50	241.85	185.58	441,585.17	587,747.33
8,089.00	2.00	278.80	8,078.57	-26.64	-238.86	-26.27	240.30	186.28	441,587.02	587,744.56
8,182.00	0.40	232.10	8,171.55	-28.50	-238.81	-28.13	240.46	186.72	441,587.07	587,742.70
8,276.00	1.60	94.60	8,265.54	-27.45	-239.11	-27.08	240.64	186.46	441,586.77	587,743.75
8,370.00	1.70	91.30	8,359.50	-24.75	-239.25	-24.37	240.49	185.82	441,586.63	587,746.46
8,463.00	1.90	95.40	8,452.46	-21.84	-239.43	-21.46	240.39	185.12	441,586.45	587,749.37
8,557.00	2.20	97.80	8,546.39	-18.50	-239.82	-18.12	240.50	184.32	441,586.06	587,752.71
8,650.00	1.20	86.00	8,639.35	-15.76	-239.99	-15.38	240.49	183.67	441,585.89	587,755.45
8,744.00	0.50	336.60	8,733.35	-14.94	-239.55	-14.56	239.99	183.48	441,586.33	587,756.27
8,838.00	0.50	296.90	8,827.34	-15.47	-238.99	-15.09	239.46	183.61	441,586.89	587,755.74
8,931.00	0.90	284.60	8,920.34	-16.53	-238.62	-16.16	239.17	183.87	441,587.26	587,754.67
9,025.00	1.40	93.30	9,014.33	-16.10	-238.50	-15.73	239.02	183.77	441,587.38	587,755.10
9,050.00	3.17	94.44	9,039.31	-15.11	-238.57	-14.73	239.02	183.53	441,587.31	587,756.10
9,081.00	5.75	92.64	9,070.21	-12.70	-238.71	-12.33	239.03	182.96	441,587.17	587,758.50
9,112.00	9.28	88.82	9,100.94	-8.65	-238.73	-8.28	238.87	181.99	441,587.15	587,762.55



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 207H
Project:	Eddy County, NM	TVD Reference:	Well @ 3003.50ust (GL: 2975' + KB: 28.5' (Pat809))
Site:	Janie Conner 13-24S-28E RB	MD Reference:	Well @ 3003.50ust (GL: 2975' + KB: 28.5' (Pat809))
Well:	No. 207H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Gyros/MWD	Database:	Well_Planner1

MD (ustf)	Inc (°)	Azi (azimuth) (°)	TVD (ustf)	V. Sec (ustf)	N/S (ustf)	E/W (ustf)	Closure Distance (ustf)	Closure Azimuth (°)	Northing (ustf)	Easting (ustf)
9,144.00	13.45	85.93	9,132.31	-2.36	-238.41	-1.98	238.42	180.48	441,587.47	587,768.85
9,175.00	17.39	87.23	9,162.18	5.87	-237.93	6.25	238.01	178.50	441,587.95	587,777.08
9,206.00	20.75	89.82	9,191.48	15.99	-237.69	16.37	238.25	176.06	441,588.19	587,787.20
9,237.00	23.78	91.64	9,220.16	27.73	-237.85	28.11	239.51	173.26	441,588.03	587,798.94
9,269.00	25.82	93.89	9,249.21	41.14	-238.51	41.51	242.09	170.13	441,587.37	587,812.34
9,300.00	27.80	94.64	9,276.88	55.08	-239.55	55.45	245.89	166.97	441,586.33	587,826.28
9,331.00	29.83	94.89	9,304.04	69.96	-240.79	70.34	250.86	163.72	441,585.09	587,841.17
9,362.00	32.28	95.11	9,330.59	85.89	-242.19	86.27	257.10	160.39	441,583.69	587,857.10
9,393.00	34.35	94.50	9,356.50	102.86	-243.61	103.24	264.58	157.03	441,582.27	587,874.07
9,425.00	36.81	93.58	9,382.52	121.42	-244.92	121.81	273.54	153.56	441,580.96	587,892.84
9,456.00	39.38	92.80	9,406.92	140.52	-245.98	140.90	283.48	150.19	441,579.90	587,911.73
9,487.00	42.05	91.75	9,430.41	160.72	-246.78	161.11	294.71	146.86	441,579.10	587,931.94
9,518.00	44.91	91.80	9,452.90	182.04	-247.44	182.43	307.42	143.60	441,578.44	587,953.26
9,549.00	47.22	92.11	9,474.41	204.34	-248.20	204.74	321.75	140.48	441,577.68	587,975.57
9,581.00	49.47	93.01	9,495.68	228.23	-249.27	228.62	338.23	137.47	441,576.61	587,999.45
9,612.00	52.15	93.64	9,515.27	252.21	-250.67	252.60	355.87	134.78	441,575.21	588,023.43
9,643.00	54.92	93.77	9,533.69	277.08	-252.28	277.48	375.02	132.28	441,573.60	588,048.31
9,674.00	57.73	94.10	9,550.88	302.81	-254.05	303.21	395.58	129.96	441,571.83	588,074.04
9,706.00	60.39	94.54	9,567.33	330.18	-256.12	330.58	418.19	127.77	441,569.76	588,101.41
9,737.00	62.89	94.65	9,582.05	357.36	-258.31	357.77	441.27	125.83	441,567.57	588,128.60
9,768.00	65.15	94.98	9,595.63	385.13	-260.64	385.54	465.37	124.06	441,565.24	588,156.37
9,799.00	67.38	95.14	9,608.11	413.39	-263.15	413.80	490.39	122.45	441,562.73	588,184.63
9,831.00	70.52	95.79	9,619.60	443.11	-265.99	443.53	517.17	120.95	441,559.89	588,214.36
9,824.00	76.20	93.90	9,646.22	531.84	-273.49	532.27	598.43	117.20	441,552.39	588,303.10
9,956.00	77.60	91.40	9,653.48	562.97	-274.93	563.40	626.91	116.01	441,550.95	588,334.23
10,003.00	79.10	89.30	9,662.97	609.00	-275.21	609.43	668.69	114.30	441,550.67	588,380.26
10,050.00	82.60	85.70	9,670.44	655.34	-273.18	655.77	710.40	112.62	441,552.70	588,426.60



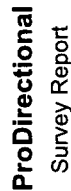
ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 207H
Project:	Eddy County, NM	TVD Reference:	Well @ 3003.50usft (GL: 2975' + KB: 28.5' (Pat809))
Site:	Janie Conner 13-24S-28E RB	MD Reference:	Well @ 3003.50usft (GL: 2975' + KB: 28.5' (Pat809))
Well:	No. 207H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Gyros/MWD	Database:	Well_Planner1

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)
10,097.00	85.30	83.90	9,675.40	701.89	-268.94	702.31	752.05	110.95	441,556.94	588,473.14
10,144.00	85.00	82.70	9,679.37	748.41	-263.48	748.82	793.83	109.38	441,562.40	588,519.65
10,175.00	85.70	84.30	9,681.88	779.11	-259.98	779.52	821.73	108.44	441,565.90	588,550.35
10,207.00	87.30	86.20	9,683.84	810.94	-257.34	811.35	851.18	107.60	441,568.54	588,582.18
10,238.00	89.90	87.80	9,684.59	841.89	-255.72	842.29	880.26	106.89	441,570.16	588,613.12
10,333.00	90.20	87.10	9,684.51	936.80	-251.49	937.20	970.36	105.02	441,574.39	588,708.03
10,427.00	88.60	86.00	9,685.50	1,030.63	-245.83	1,031.02	1,059.92	103.41	441,580.05	588,801.85
10,522.00	88.00	86.70	9,688.31	1,125.41	-239.79	1,125.78	1,151.04	102.02	441,586.09	588,896.61
10,617.00	88.30	88.10	9,691.38	1,220.26	-235.48	1,220.63	1,243.14	100.92	441,590.40	588,991.46
10,712.00	87.10	89.80	9,695.19	1,315.17	-233.74	1,315.54	1,336.14	100.08	441,592.14	589,086.37
10,806.00	87.50	89.80	9,699.62	1,409.06	-233.41	1,409.43	1,428.63	99.40	441,592.47	589,180.26
10,901.00	88.40	89.70	9,703.02	1,504.00	-233.00	1,504.37	1,522.31	98.80	441,592.88	589,275.20
10,996.00	89.00	89.10	9,705.18	1,598.97	-232.01	1,599.34	1,616.08	98.25	441,593.87	589,370.17
11,091.00	88.90	90.90	9,706.92	1,693.95	-232.01	1,694.32	1,710.13	97.80	441,593.87	589,465.15
11,185.00	89.10	90.50	9,708.56	1,787.93	-233.15	1,788.30	1,803.43	97.43	441,592.73	589,559.13
11,280.00	88.50	90.80	9,710.55	1,882.90	-234.23	1,883.27	1,897.78	97.09	441,591.65	589,654.10
11,375.00	89.10	90.60	9,712.54	1,977.87	-235.39	1,978.24	1,992.20	96.79	441,590.49	589,749.07
11,469.00	87.90	89.30	9,715.00	2,071.83	-235.31	2,072.20	2,085.52	96.48	441,590.57	589,843.03
11,563.00	86.80	88.00	9,719.34	2,165.71	-233.10	2,166.07	2,178.58	96.14	441,592.78	589,936.90
11,658.00	89.40	87.10	9,722.49	2,260.56	-229.04	2,260.93	2,272.50	95.78	441,596.84	590,031.76
11,753.00	92.50	88.20	9,720.92	2,355.46	-225.14	2,355.82	2,366.55	95.46	441,600.74	590,126.65
11,847.00	93.60	88.50	9,715.92	2,449.29	-222.44	2,449.65	2,459.73	95.19	441,603.44	590,220.48
11,941.00	92.90	89.60	9,710.59	2,543.13	-220.89	2,543.48	2,553.05	94.96	441,604.99	590,314.31
12,036.00	88.90	91.00	9,709.09	2,638.10	-221.38	2,638.45	2,647.72	94.80	441,604.50	590,409.28
12,130.00	87.90	91.00	9,711.72	2,732.04	-223.02	2,732.39	2,741.48	94.67	441,602.86	590,503.22
12,225.00	86.10	90.80	9,716.69	2,826.89	-224.51	2,827.25	2,836.15	94.54	441,601.37	590,598.08
12,319.00	85.50	90.50	9,723.58	2,920.63	-225.58	2,920.99	2,929.69	94.42	441,600.30	590,691.82



Company: Matador Resources				Local Co-ordinate Reference:				Well No. 207H			
Project: Eddy County, NM				TVD Reference:				Well @ 3003.50usft (GL: 2975' + KB: 28.5' (Patt809))			
Site: Janie Conner 13-24S-28E RB				MD Reference:				Well @ 3003.50usft (GL: 2975' + KB: 28.5' (Patt809))			
Well: No. 207H				North Reference:				Grid			
Wellbore: OH				Survey Calculation Method:				Minimum Curvature			
Design: Gyros/MWD				Database:				Well_Planner1			
Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	EW (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
12,413.00	88.80	91.20	9,728.25	3,014.49	-226.97	3,014.85	3,023.38	94.31	441,598.91	590,778.68	
12,508.00	90.50	92.20	9,728.83	3,109.44	-229.79	3,109.80	3,118.28	94.23	441,596.09	590,880.63	
12,602.00	88.90	91.10	9,729.32	3,203.39	-232.50	3,203.76	3,212.18	94.15	441,593.38	590,974.59	
12,696.00	90.10	92.20	9,730.14	3,297.34	-235.20	3,297.71	3,306.09	94.08	441,590.68	591,068.54	
12,790.00	86.80	91.20	9,732.68	3,391.24	-237.99	3,391.62	3,399.96	94.01	441,587.89	591,162.45	
12,884.00	90.90	92.20	9,734.57	3,485.16	-240.78	3,485.54	3,493.85	93.95	441,585.10	591,256.37	
12,978.00	90.50	93.10	9,733.42	3,579.04	-245.12	3,579.43	3,587.81	93.92	441,580.76	591,350.26	
13,073.00	88.00	92.20	9,734.67	3,673.92	-249.52	3,674.31	3,682.77	93.88	441,576.36	591,445.14	
13,167.00	85.20	91.70	9,740.24	3,767.68	-252.71	3,768.08	3,776.55	93.84	441,573.17	591,538.91	
13,261.00	84.50	91.00	9,748.68	3,861.27	-254.92	3,861.68	3,870.08	93.78	441,570.96	591,632.51	
13,356.00	84.80	89.90	9,757.54	3,955.85	-255.66	3,956.26	3,964.51	93.70	441,570.22	591,727.09	
13,451.00	85.70	88.20	9,765.40	4,050.51	-254.09	4,050.91	4,058.87	93.59	441,571.74	591,821.74	
13,545.00	92.20	88.00	9,767.12	4,144.40	-250.97	4,144.80	4,152.39	93.47	441,574.91	591,915.63	
13,640.00	92.00	87.30	9,763.64	4,239.26	-247.08	4,239.65	4,246.85	93.34	441,578.80	592,010.48	
13,734.00	92.30	88.30	9,760.12	4,333.13	-243.47	4,333.51	4,340.35	93.22	441,582.41	592,104.34	
13,829.00	91.50	88.80	9,756.97	4,428.05	-241.07	4,428.43	4,434.99	93.12	441,584.81	592,199.26	
13,923.00	89.80	90.00	9,755.90	4,522.03	-240.09	4,522.41	4,528.78	93.04	441,585.79	592,293.24	
14,018.00	88.30	90.00	9,757.48	4,617.02	-240.09	4,617.40	4,623.64	92.98	441,585.79	592,388.23	
14,112.00	85.70	89.50	9,762.39	4,710.88	-239.68	4,711.26	4,717.35	92.91	441,586.20	592,482.09	
14,207.00	86.20	88.80	9,769.10	4,805.63	-238.27	4,806.01	4,811.92	92.84	441,587.61	592,576.84	
14,301.00	90.70	89.30	9,771.65	4,899.56	-236.72	4,899.94	4,905.66	92.77	441,589.16	592,670.77	
14,396.00	92.10	89.30	9,769.33	4,994.53	-235.56	4,994.90	5,000.45	92.70	441,590.32	592,765.73	
14,490.00	93.60	89.10	9,764.65	5,088.40	-234.24	5,088.77	5,094.16	92.64	441,591.64	592,859.60	
14,584.00	94.30	88.80	9,758.18	5,182.16	-232.53	5,182.53	5,187.75	92.57	441,593.35	592,953.36	
Last Survey: 14584' MD, 9758.18' TVD											
14,658.00	94.30	88.80	9,752.63	5,255.94	-230.98	5,256.31	5,261.38	92.52	441,594.90	593,027.14	
PTB: 14658' MD, 9752.63' TVD											



ProDirectional Survey Report



Company: Project: Site: Well: Wellbore: Design:	Matador Resources Eddy County, NM Janie Corner 13-24S-28E RB No. 207H OH Gyros/MWD	Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: Database:	Well No. 207H Well @ 3003.50usft (GL: 2975' + KB: 28.5' (Pat809)) Well @ 3003.50usft (GL: 2975' + KB: 28.5' (Pat809)) Grid Minimum Curvature Well_Planner1
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Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
2,818.00	2,816.95	-27.60	34.97	Pro MWD First Survey: 2818' MD
14,584.00	9,758.18	-232.53	5,182.53	Last Survey: 14584' MD, 9758.18' TVD
14,658.00	9,752.63	-230.98	5,256.31	PTB: 14658' MD, 9752.63' TVD