



PRODIRECTIONAL



NM OIL CONSERVATION
ARTESIA DISTRICT
SEP 27 2017

RECEIVED



Tom Walters 12-23S-27E RB No. 208H

Eddy County, NM 30-015-44197

September 12, 2017

Job No. LNM5142817

ORIGINAL

Survey Completion Report



Survey Certification Letter

September 12, 2017



Operator Name: Matador Resources
Well Name: Tom Walters 12-23S-27E RB No. 208H
County/Parish: Eddy County,
State: NM
Rig Name: Patterson 274
Job Number: LNM5142817

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:

Surveyor	Surveyed Depths	Projection to Bit	Dates Performed	Type of Survey
ProDirectional	153' MD – 14,035' MD	14,105' MD	06/28/17 – 08/01/17	MWD

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
Tom Walters 12-23S-27E RB
No. 208H
OH

Survey: ProDirectional

Survey Report

12 September, 2017

NM OIL CONSERVATION
ARTESIA DISTRICT
SEP 27 2017
RECEIVED





ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 208H
Project:	Eddy County, NM(NAD 83)	TVD Reference:	Well @ 3127.50usft
Site:	Tom Walters 12-23S-27E RB	MD Reference:	Well @ 3127.50usft
Well:	No. 208H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD-153'-14035', Proj. 14105'	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	Tom Walters 12-23S-27E RB		
Site Position:		Northing:	477,669.00 usft
From:	Map	Easting:	597,026.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.3130561
		Longitude:	-104.1530711
		Grid Convergence:	0.10 "

Well		No. 208H				
Well Position	+N/-S	0.00 usft	Northing:	477,669.00 usft	Latitude:	32.3130561
	+E/-W	0.00 usft	Easting:	597,026.00 usft	Longitude:	-104.1530711
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,099.00 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	4/27/2017	7.40	60.13	48,130.50

Design		MWD-153'-14035', Proj. 14105'		
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	89.84

Survey Program		Date 9/12/2017		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
153.00	14,105.00	Survey #1 (OH)	MWD+HDGM	OWSG MWD + HRGM



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Well: No. 208H
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Local Co-ordinate Reference: Well No. 208H
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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)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	477,669.00	597,026.00	
153.00	0.60	208.60	153.00	-0.39	-0.70	-0.38	0.80	208.60	477,668.30	597,025.62	
Pro MWD First Survey: 153' MD											
245.00	0.70	226.10	244.99	-1.02	-1.52	-1.02	1.83	213.91	477,667.48	597,024.98	
337.00	1.50	315.30	336.98	-2.27	-1.05	-2.27	2.50	245.19	477,667.95	597,023.73	
409.00	1.70	336.40	408.95	-3.36	0.60	-3.36	3.41	280.10	477,669.60	597,022.64	
512.00	1.10	338.10	511.92	-4.33	2.92	-4.34	5.23	303.89	477,671.92	597,021.66	
604.00	1.00	356.90	603.90	-4.70	4.54	-4.71	6.54	313.90	477,673.54	597,021.29	
696.00	1.00	11.30	695.89	-4.58	6.13	-4.60	7.66	323.09	477,675.13	597,021.40	
789.00	0.80	16.50	788.88	-4.24	7.54	-4.26	8.66	330.56	477,676.54	597,021.74	
880.00	0.40	15.30	879.87	-3.97	8.46	-3.99	9.35	334.73	477,677.46	597,022.01	
975.00	0.50	23.50	974.87	-3.71	9.16	-3.74	9.89	337.79	477,678.16	597,022.26	
1,071.00	1.00	38.70	1,070.86	-3.02	10.20	-3.05	10.64	343.35	477,679.20	597,022.95	
1,166.00	2.20	46.10	1,165.82	-1.18	12.11	-1.22	12.17	354.26	477,681.11	597,024.78	
1,260.00	3.20	42.30	1,259.72	1.89	15.30	1.85	15.41	6.89	477,684.30	597,027.85	
1,356.00	4.00	45.80	1,355.53	6.11	19.62	6.05	20.53	17.15	477,688.62	597,032.05	
1,451.00	5.10	55.50	1,450.23	11.98	24.32	11.91	27.08	26.09	477,693.32	597,037.91	
1,545.00	5.70	67.80	1,543.81	19.75	28.45	19.67	34.59	34.66	477,697.45	597,045.67	
1,641.00	5.80	77.00	1,639.33	28.90	31.34	28.81	42.57	42.59	477,700.34	597,054.81	
1,736.00	4.80	72.90	1,733.93	37.38	33.59	37.29	50.19	47.99	477,702.59	597,063.29	
1,831.00	4.80	66.20	1,828.59	44.83	36.36	44.73	57.64	50.89	477,705.36	597,070.73	
1,926.00	5.10	58.80	1,923.24	52.09	40.15	51.97	65.68	52.31	477,709.15	597,077.97	
2,022.00	5.20	55.80	2,018.85	59.35	44.81	59.22	74.26	52.89	477,713.81	597,085.22	
2,117.00	5.30	60.70	2,113.46	66.75	49.38	66.61	82.92	53.45	477,718.38	597,092.61	
2,213.00	4.40	48.80	2,209.11	73.40	53.97	73.25	90.98	53.61	477,722.97	597,099.25	
2,308.00	4.00	42.40	2,303.86	78.39	58.82	78.22	97.87	53.06	477,727.82	597,104.22	
2,344.00	4.00	42.30	2,339.77	80.08	60.68	79.92	100.34	52.79	477,729.68	597,105.92	



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM(NAD 83)
Site: Tom Walters 12-23S-27E RB
Well: No. 208H
Wellbore: OH
Design: MWD-153'-14035', Proj. 14105'

Local Co-ordinate Reference: Well No. 208H
TVD Reference: Well @ 3127.50usft
MD Reference: Well @ 3127.50usft
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)	
2,503.00	3.70	43.50	2,498.41	87.37	68.50	87.18	110.87	51.84	477,737.50	597,113.18	
2,598.00	2.10	59.60	2,593.29	90.99	71.60	90.79	115.63	51.74	477,740.60	597,116.79	
2,689.00	2.50	117.10	2,684.23	94.20	71.54	94.00	118.13	52.72	477,740.54	597,120.00	
2,784.00	4.70	134.80	2,779.04	98.79	67.86	98.60	119.70	55.47	477,736.86	597,124.60	
2,880.00	7.00	148.70	2,874.53	104.60	60.09	104.43	120.48	60.09	477,729.09	597,130.43	
2,975.00	9.40	156.50	2,968.56	110.67	48.02	110.54	120.52	66.52	477,717.02	597,136.54	
3,071.00	8.20	155.10	3,063.43	116.64	34.62	116.54	121.58	73.45	477,703.62	597,142.54	
3,166.00	7.70	134.30	3,157.53	124.02	24.03	123.95	126.26	79.03	477,693.03	597,149.95	
3,261.00	7.40	111.00	3,251.73	134.27	17.39	134.22	135.34	82.62	477,686.39	597,160.22	
3,356.00	7.00	86.10	3,346.00	145.75	15.59	145.71	146.54	83.89	477,684.59	597,171.71	
3,452.00	7.00	58.10	3,441.32	156.57	19.08	156.52	157.68	83.05	477,688.08	597,182.52	
3,547.00	5.10	35.70	3,535.80	163.97	25.57	163.90	165.88	81.13	477,694.57	597,189.90	
3,642.00	4.60	35.30	3,630.46	168.65	32.11	168.56	171.59	79.21	477,701.11	597,194.56	
3,738.00	3.90	35.20	3,726.19	172.77	37.92	172.67	176.78	77.61	477,706.92	597,198.67	
3,834.00	6.10	39.40	3,821.82	177.91	44.53	177.79	183.28	75.94	477,713.53	597,203.79	
3,929.00	5.70	36.80	3,916.32	183.96	52.21	183.82	191.09	74.14	477,721.21	597,209.82	
4,024.00	5.50	34.80	4,010.86	189.41	59.72	189.24	198.44	72.48	477,728.72	597,215.24	
4,119.00	5.20	33.90	4,105.45	194.43	67.04	194.24	205.48	70.96	477,736.04	597,220.24	
4,215.00	4.80	35.80	4,201.08	199.22	73.90	199.02	212.30	69.63	477,742.90	597,225.02	
4,310.00	6.20	40.10	4,295.65	204.87	81.05	204.65	220.11	68.39	477,750.05	597,230.65	
4,406.00	5.40	41.60	4,391.15	211.23	88.40	210.99	228.76	67.27	477,757.40	597,236.99	
4,501.00	4.50	41.70	4,485.80	216.70	94.52	216.43	236.17	66.41	477,763.52	597,242.43	
4,596.00	5.90	39.40	4,580.40	222.29	101.08	222.01	243.94	65.52	477,770.08	597,248.01	
4,692.00	5.00	40.30	4,675.97	228.15	108.08	227.85	252.18	64.62	477,777.08	597,253.85	
4,787.00	5.30	39.50	4,770.59	233.64	114.62	233.32	259.95	63.84	477,783.62	597,259.32	
4,883.00	6.60	39.60	4,866.07	240.00	122.30	239.66	269.06	62.96	477,791.30	597,265.66	
4,978.00	5.90	40.90	4,960.50	246.70	130.19	246.33	278.62	62.14	477,799.19	597,272.33	



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Well: No. 208H
Wellbore: OH
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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)	
5,073.00	5.20	38.80	5,055.06	252.61	137.24	252.23	287.15	61.45	477,806.24	597,278.23	
5,169.00	6.30	39.80	5,150.57	258.73	144.68	258.33	296.08	60.75	477,813.68	597,284.33	
5,264.00	5.50	39.60	5,245.07	264.99	152.19	264.56	305.21	60.09	477,821.19	597,290.56	
5,359.00	5.00	37.20	5,339.67	270.41	158.99	269.97	313.31	59.50	477,827.99	597,295.97	
5,454.00	4.50	37.50	5,434.34	275.20	165.25	274.74	320.61	58.97	477,834.25	597,300.74	
5,550.00	3.70	34.70	5,530.10	279.27	170.78	278.80	326.95	58.51	477,839.78	597,304.80	
5,644.00	3.00	33.70	5,623.93	282.38	175.32	281.89	331.96	58.12	477,844.32	597,307.89	
5,740.00	2.60	40.40	5,719.82	285.19	179.07	284.69	336.33	57.83	477,848.07	597,310.69	
5,835.00	1.60	42.80	5,814.75	287.50	181.69	286.99	339.67	57.66	477,850.69	597,312.99	
5,930.00	0.90	9.60	5,909.73	288.53	183.39	288.02	341.45	57.51	477,852.39	597,314.02	
6,026.00	0.90	335.20	6,005.72	288.34	184.82	287.83	342.06	57.29	477,853.82	597,313.83	
6,121.00	1.20	348.80	6,100.71	287.84	186.48	287.32	342.53	57.02	477,855.48	597,313.32	
6,216.00	1.00	315.50	6,195.69	287.07	188.04	286.55	342.74	56.73	477,857.04	597,312.55	
6,311.00	1.00	308.40	6,290.67	285.84	189.15	285.31	342.32	56.46	477,858.15	597,311.31	
6,406.00	0.40	315.40	6,385.67	284.96	189.90	284.43	342.00	56.27	477,858.90	597,310.43	
6,502.00	0.30	148.20	6,481.67	284.86	189.92	284.33	341.93	56.26	477,858.92	597,310.33	
6,597.00	0.10	352.70	6,576.67	284.98	189.80	284.45	341.96	56.29	477,858.80	597,310.45	
6,692.00	0.40	40.30	6,671.67	285.18	190.13	284.65	342.31	56.26	477,859.13	597,310.65	
6,788.00	0.90	50.50	6,767.66	285.98	190.87	285.45	343.38	56.23	477,859.87	597,311.45	
6,883.00	0.90	56.10	6,862.65	287.18	191.76	286.65	344.87	56.22	477,860.76	597,312.65	
6,978.00	0.60	57.40	6,957.64	288.22	192.44	287.69	346.12	56.22	477,861.44	597,313.69	
7,074.00	0.70	6.40	7,053.63	288.71	193.29	288.17	347.00	56.15	477,862.29	597,314.17	
7,169.00	1.30	292.40	7,148.62	287.78	194.28	287.24	346.78	55.93	477,863.28	597,313.24	
7,264.00	2.40	255.60	7,243.57	284.86	194.20	284.32	344.31	55.67	477,863.20	597,310.32	
7,360.00	1.20	213.10	7,339.53	282.36	192.86	281.82	341.49	55.62	477,861.86	597,307.82	
7,455.00	1.80	222.20	7,434.50	280.81	190.92	280.28	339.12	55.74	477,859.92	597,306.28	
7,551.00	1.50	224.70	7,530.46	278.91	188.91	278.38	336.43	55.84	477,857.91	597,304.38	



ProDirectional
Survey Report



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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)
7,647.00	0.30	158.60	7,626.44	278.11	187.78	277.59	335.14	55.92	477,856.78	597,303.59
7,742.00	0.30	205.70	7,721.44	278.09	187.32	277.57	334.87	55.99	477,856.32	597,303.57
7,837.00	1.30	192.00	7,816.43	277.76	186.05	277.24	333.88	56.14	477,855.05	597,303.24
7,933.00	1.20	218.00	7,912.41	276.91	184.19	276.40	332.14	56.32	477,853.19	597,302.40
8,028.00	1.70	186.40	8,007.38	276.13	182.00	275.63	330.30	56.56	477,851.00	597,301.63
8,124.00	1.60	184.80	8,103.34	275.85	179.25	275.35	328.56	56.94	477,848.25	597,301.35
8,219.00	2.80	162.10	8,198.27	276.45	175.72	275.96	327.16	57.51	477,844.72	597,301.96
8,314.00	1.70	125.90	8,293.20	278.29	172.69	277.81	327.11	58.13	477,841.69	597,303.81
8,409.00	0.10	62.30	8,388.19	279.51	171.90	279.03	327.73	58.36	477,840.90	597,305.03
8,504.00	0.30	122.00	8,483.19	279.79	171.81	279.31	327.92	58.40	477,840.81	597,305.31
8,568.00	0.10	100.80	8,547.18	279.99	171.71	279.51	328.04	58.44	477,840.71	597,305.51
8,602.00	0.20	305.70	8,581.18	279.97	171.74	279.49	328.04	58.43	477,840.74	597,305.49
8,649.00	1.70	57.00	8,628.18	280.49	172.17	280.01	328.70	58.41	477,841.17	597,306.01
8,697.00	5.20	55.30	8,676.08	282.88	173.79	282.39	331.59	58.39	477,842.79	597,308.39
8,745.00	9.40	47.20	8,723.69	287.55	177.70	287.06	337.61	58.24	477,846.70	597,313.06
8,792.00	12.70	50.50	8,769.81	294.38	183.59	293.86	346.50	58.01	477,852.59	597,319.86
8,839.00	14.90	58.20	8,815.45	303.52	190.06	302.99	357.67	57.90	477,859.06	597,328.99
8,887.00	16.70	61.00	8,861.64	314.81	196.66	314.27	370.73	57.96	477,865.66	597,340.27
8,935.00	17.90	66.40	8,907.47	327.62	202.96	327.06	384.91	58.18	477,871.96	597,353.06
8,983.00	23.10	69.30	8,952.41	343.22	209.24	342.64	401.48	58.59	477,878.24	597,368.64
9,030.00	29.10	69.60	8,994.60	362.60	216.49	361.99	421.79	59.12	477,885.49	597,387.99
9,078.00	34.90	70.90	9,035.29	386.56	225.06	385.93	446.76	59.75	477,894.06	597,411.93
9,126.00	40.70	76.50	9,073.21	414.80	233.22	414.15	475.30	60.62	477,902.22	597,440.15
9,173.00	46.00	80.70	9,107.39	446.43	239.53	445.77	506.05	61.75	477,908.53	597,471.77
9,221.00	50.70	83.80	9,139.28	481.97	244.33	481.29	539.76	63.09	477,913.33	597,507.29
9,269.00	55.40	84.50	9,168.13	520.13	248.23	519.44	575.71	64.46	477,917.23	597,545.44
9,317.00	61.80	83.40	9,193.12	560.86	252.56	560.16	614.47	65.73	477,921.56	597,586.16



ProDirectional
Survey Report



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Wellbore: OH
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North Reference: Grid
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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)
9,364.00	67.10	85.00	9,213.39	603.05	256.83	602.33	654.80	66.91	477,925.83	597,628.33
9,411.00	72.60	85.50	9,229.57	647.01	260.48	646.29	696.81	68.05	477,929.48	597,672.29
9,549.00	84.30	84.70	9,257.16	781.52	272.03	780.76	826.79	70.79	477,941.03	597,806.76
9,643.00	87.90	86.90	9,263.55	875.05	278.89	874.27	917.68	72.31	477,947.89	597,900.27
9,738.00	87.10	88.90	9,267.69	969.90	282.37	969.11	1,009.41	73.76	477,951.37	597,995.11
9,832.00	87.50	92.10	9,272.12	1,063.77	281.55	1,062.99	1,099.65	75.16	477,950.55	598,088.99
9,926.00	89.70	92.60	9,274.42	1,157.65	277.70	1,156.88	1,189.74	76.50	477,946.70	598,182.88
10,020.00	87.20	93.20	9,276.96	1,251.47	272.94	1,250.72	1,280.15	77.69	477,941.94	598,276.72
10,115.00	87.30	92.70	9,281.52	1,346.22	268.06	1,345.48	1,371.92	78.73	477,937.06	598,371.48
10,209.00	88.10	92.60	9,285.29	1,440.03	263.72	1,439.30	1,463.26	79.62	477,932.72	598,465.30
10,303.00	86.30	92.20	9,289.88	1,533.82	259.79	1,533.10	1,554.96	80.38	477,928.79	598,559.10
10,397.00	88.50	92.60	9,294.15	1,627.63	255.85	1,626.92	1,646.91	81.06	477,924.85	598,652.92
10,491.00	90.10	92.60	9,295.30	1,721.51	251.59	1,720.81	1,739.11	81.68	477,920.59	598,746.81
10,585.00	87.60	92.00	9,297.18	1,815.39	247.82	1,814.71	1,831.55	82.22	477,916.82	598,840.71
10,679.00	85.80	90.10	9,302.59	1,909.21	246.10	1,908.53	1,924.33	82.65	477,915.10	598,934.53
10,774.00	86.60	91.20	9,308.89	2,003.99	245.02	2,003.31	2,018.24	83.03	477,914.02	599,029.31
10,867.00	85.10	90.40	9,315.62	2,096.73	243.73	2,096.06	2,110.18	83.37	477,912.73	599,122.06
10,961.00	84.20	90.70	9,324.38	2,190.31	242.83	2,189.64	2,203.07	83.67	477,911.83	599,215.64
11,055.00	86.60	89.00	9,331.92	2,284.00	243.08	2,283.33	2,296.23	83.92	477,912.08	599,309.33
11,150.00	87.10	88.20	9,337.14	2,378.83	245.39	2,378.16	2,390.78	84.11	477,914.39	599,404.16
11,244.00	89.90	89.70	9,339.60	2,472.78	247.11	2,472.10	2,484.42	84.29	477,916.11	599,498.10
11,338.00	89.80	89.60	9,339.85	2,566.77	247.69	2,566.09	2,578.02	84.49	477,916.69	599,592.09
11,433.00	88.10	88.00	9,341.59	2,661.74	249.68	2,661.05	2,672.74	84.64	477,918.68	599,687.05
11,527.00	88.40	87.60	9,344.46	2,755.63	253.28	2,754.94	2,766.56	84.75	477,922.28	599,780.94
11,621.00	92.30	88.70	9,343.89	2,849.57	256.32	2,848.87	2,860.37	84.86	477,925.32	599,874.87
11,715.00	92.70	88.80	9,339.79	2,943.46	258.37	2,942.75	2,954.07	84.98	477,927.37	599,968.75
11,809.00	91.10	89.90	9,336.67	3,037.40	259.43	3,036.69	3,047.75	85.12	477,928.43	600,062.69



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM(NAD 83)
Site: Tom Walters 12-23S-27E RB
Well: No. 208H
Wellbore: OH
Design: MWD-153'-14035', Proj. 14105'

Local Co-ordinate Reference:
TVD Reference: Well @ 3127.50usft
MD Reference: Well @ 3127.50usft
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)
11,904.00	86.20	89.70	9,338.91	3,132.35	259.76	3,131.64	3,142.39	85.26	477,928.76	600,157.64
11,998.00	88.20	90.90	9,343.50	3,226.23	259.27	3,225.52	3,235.92	85.40	477,928.27	600,251.52
12,092.00	86.80	90.00	9,347.60	3,320.13	258.53	3,319.42	3,329.47	85.55	477,927.53	600,345.42
12,186.00	88.30	90.30	9,351.62	3,414.04	258.29	3,413.33	3,423.09	85.67	477,927.29	600,439.33
12,280.00	88.80	89.90	9,354.00	3,508.01	258.12	3,507.30	3,516.79	85.79	477,927.12	600,533.30
12,374.00	88.30	89.70	9,356.38	3,601.98	258.45	3,601.27	3,610.53	85.90	477,927.45	600,627.27
12,467.00	84.80	86.30	9,361.97	3,694.73	261.69	3,694.02	3,703.27	85.95	477,930.69	600,720.02
12,561.00	89.80	89.00	9,366.40	3,788.52	265.53	3,787.79	3,797.09	85.99	477,934.53	600,813.79
12,656.00	89.20	88.20	9,367.23	3,883.49	267.85	3,882.76	3,891.99	86.05	477,936.85	600,908.76
12,750.00	88.90	87.10	9,368.79	3,977.41	271.70	3,976.67	3,985.94	86.09	477,940.70	601,002.67
12,844.00	89.70	89.60	9,369.94	4,071.36	274.41	4,070.61	4,079.85	86.14	477,943.41	601,096.61
12,937.00	87.30	89.60	9,372.37	4,164.32	275.06	4,163.57	4,172.65	86.22	477,944.06	601,189.57
13,032.00	86.60	90.60	9,377.43	4,259.19	274.89	4,258.44	4,267.30	86.31	477,943.89	601,284.44
13,126.00	87.80	91.00	9,382.02	4,353.06	273.58	4,352.31	4,360.90	86.40	477,942.58	601,378.31
13,219.00	88.70	91.20	9,384.86	4,445.99	271.80	4,445.25	4,453.55	86.50	477,940.80	601,471.25
13,314.00	87.70	90.90	9,387.84	4,540.92	270.06	4,540.19	4,548.21	86.60	477,939.06	601,566.19
13,408.00	88.30	90.70	9,391.12	4,634.85	268.75	4,634.12	4,641.91	86.68	477,937.75	601,660.12
13,501.00	90.20	90.40	9,392.34	4,727.83	267.85	4,727.10	4,734.69	86.76	477,936.85	601,753.10
13,595.00	89.40	89.90	9,392.67	4,821.83	267.61	4,821.10	4,828.52	86.82	477,936.61	601,847.10
13,689.00	90.10	90.60	9,393.08	4,915.83	267.20	4,915.10	4,922.36	86.89	477,936.20	601,941.10
13,783.00	90.30	90.40	9,392.75	5,009.82	266.38	5,009.09	5,016.17	86.96	477,935.38	602,035.09
13,878.00	89.60	90.80	9,392.83	5,104.81	265.38	5,104.09	5,110.98	87.02	477,934.38	602,130.09
13,973.00	88.30	90.10	9,394.57	5,199.79	264.64	5,199.07	5,205.80	87.09	477,933.64	602,225.07
14,035.00	91.10	91.60	9,394.90	5,261.77	263.72	5,261.05	5,267.66	87.13	477,932.72	602,287.05
Last Survey: 14035' MD										
14,105.00	91.10	91.60	9,393.55	5,331.72	261.76	5,331.01	5,337.43	87.19	477,930.76	602,357.01
PTB: 14105' MD										



ProDirectional
Survey Report



Company: Matador Resources
Project: Eddy County, NM(NAD 83)
Site: Tom Walters 12-23S-27E RB
Well: No. 208H
Wellbore: OH
Design: MWD-153'-14035', Proj. 14105'

Local Co-ordinate Reference: Well No. 208H
TVD Reference: Well @ 3127.50usft
MD Reference: Well @ 3127.50usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
153.00	153.00	-0.70	-0.38	Pro MWD First Survey: 153' MD
14,035.00	9,394.90	263.72	5,261.05	Last Survey: 14035' MD
14,105.00	9,393.55	261.76	5,331.01	PTB: 14105' MD

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

NM OIL CONSERVATION
ARTESIA DISTRICT
State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

SEP 27 2017

RECEIVED

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-44197	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP(GAS)
⁴ Property Code 314862	⁵ Property Name TOM WALTERS 12-23S-27E RB	
⁷ OGRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	
		⁶ Well Number #208H
		⁹ Elevation 3099'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	11	23-S	27-E	-	159'	SOUTH	245'	EAST	EDDY

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	12	23-S	27-E	-	403'	SOUTH	239'	EAST	EDDY

¹² Dedicated Acres 323.31	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

SURFACE LOCATION NEW MEXICO EAST NAD 1983 X=597026 Y=477669 LAT.: N 32.3130564 LONG.: W 104.1530719 NAD 1927 X=555843 Y=477610 LAT.: N 32.3129368 LONG.: W 104.1525736 ELEV = 3099' PENETRATION POINT NEW MEXICO EAST NAD 1983 X=597518 Y=477915 LAT.: N 32.3137288 LONG.: W 104.1514783 NAD 1927 X=556335 Y=477855 LAT.: N 32.3136091 LONG.: W 104.1509801 MD = 9234' LAST PERFORATION POINT NEW MEXICO EAST NAD 1983 X=602188 Y=477934 LAT.: N 32.3137597 LONG.: W 104.1363611 NAD 1927 X=561005 Y=477875 LAT.: N 32.3136399 LONG.: W 104.1358634 MD = 13935' BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1983 X=602357 Y=477931 LAT.: N 32.3137502 LONG.: W 104.1358141 NAD 1927 X=561174 Y=477872 LAT.: N 32.3136303 LONG.: W 104.1353164 MD = 14105' FIRST PERFORATION POINT NEW MEXICO EAST NAD 1983 X=597736 Y=477935 LAT.: N 32.3137842 LONG.: W 104.1507718 NAD 1927 X=556554 Y=477876 LAT.: N 32.3136646 LONG.: W 104.1502735 MD = 9476'	¹⁷OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Chris Carleton</i> 9/25/17 Signature Date Chris Carleton Printed Name <i>ccarleton@matadorresources.com</i> E-mail Address ¹⁸SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief. 05/05/2017 Date of Survey <i>Michael Brown</i> Signature and Seal of Professional Surveyor MICHAEL BROWN NEW MEXICO 18329 PROFESSIONAL SURVEYOR _____ Certificate Number
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