



PHOENIX
TECHNOLOGY SERVICES

Matador Resources

Eddy County, NM (NAD27 NME)
Larry Wolfish 01-23S-27E RB
204H

OH / 64293

Survey: Phoenix MWD Surveys

Standard Survey Report

11 March, 2019

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DISTRICT II-ARTESIA O.C.D.





Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well 204H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3098.00usft (Patterson 813)
Site:	Larry Wolfish 01-23S-27E RB	MD Reference:	RKB @ 3098.00usft (Patterson 813)
Well:	204H	North Reference:	Grid
Wellbore:	OH / 64293	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Patterson 813)	Database:	USA Compass

Project	Eddy County, NM (NAD27 NME)		
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	Larry Wolfish 01-23S-27E RB		
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Site Position:		Northing:	488,883.00 usft	Latitude:	32° 20' 38.04821 N
From:	Map	Easting:	560,641.00 usft	Longitude:	104° 8' 13.11941 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.11 °

Well	204H					
Well Position	+N/-S	0.00 usft	Northing:	488,883.00 usft	Latitude:	32° 20' 38.04821 N
	+E/-W	0.00 usft	Easting:	560,641.00 usft	Longitude:	104° 8' 13.11941 W
Position Uncertainty	1.00 usft	Wellhead Elevation:	usft	Ground Level:	3,069.00 usft	

Wellbore	OH / 64293				
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	2/20/2019	7.25	60.09	47,924.37927619

Design	Surveys (Patterson 813)				
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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	180.55

Survey Program		Date 3/11/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
96.00	14,481.00	Phoenix MWD Surveys (OH / 64293)	MWD+HRGM	OWSG MWD + HRGM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96.00	0.42	219.82	96.00	-0.27	-0.23	0.27	0.44	0.44	0.00
First Phoenix MWD Survey									
188.00	0.72	275.59	188.00	-0.47	-1.02	0.48	0.65	0.33	60.62
279.00	1.03	277.31	278.98	-0.31	-2.40	0.34	0.34	0.34	1.89
324.00	1.09	261.06	323.98	-0.33	-3.22	0.36	0.68	0.13	-36.11
494.00	1.26	228.27	493.94	-1.82	-6.21	1.88	0.40	0.10	-19.29
585.00	1.05	195.25	584.93	-3.29	-7.18	3.36	0.75	-0.23	-36.29
676.00	0.98	194.23	675.91	-4.85	-7.59	4.93	0.08	-0.08	-1.12
767.00	1.04	233.15	766.90	-6.10	-8.44	6.18	0.74	0.07	42.77
858.00	1.18	236.22	857.88	-7.12	-9.88	7.21	0.17	0.15	3.37

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Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
952.00	1.37	179.32	951.86	-8.78	-10.67	8.88	1.30	0.20	-60.53
1,046.00	1.96	183.49	1,045.82	-11.51	-10.76	11.61	0.64	0.63	4.44
1,139.00	1.69	163.27	1,138.77	-14.41	-10.46	14.51	0.75	-0.29	-21.74
1,233.00	4.45	126.44	1,232.64	-17.90	-7.13	17.97	3.47	2.94	-39.18
1,327.00	4.72	130.09	1,326.34	-22.56	-1.23	22.57	0.42	0.29	3.88
1,421.00	6.03	122.10	1,419.92	-27.68	5.91	27.62	1.60	1.39	-8.50
1,515.00	9.03	121.52	1,513.10	-34.16	16.38	34.00	3.19	3.19	-0.62
1,609.00	10.69	119.89	1,605.71	-42.36	30.23	42.06	1.79	1.77	-1.73
1,703.00	9.12	127.61	1,698.31	-51.25	43.69	50.83	2.18	-1.67	8.21
1,797.00	9.25	139.10	1,791.11	-61.51	54.54	60.98	1.95	0.14	12.22
1,892.00	9.92	140.98	1,884.79	-73.64	64.69	73.01	0.78	0.71	1.98
1,987.00	9.84	135.10	1,978.38	-85.75	75.57	85.01	1.06	-0.08	-6.19
2,082.00	9.34	135.60	2,072.05	-97.00	86.70	96.16	0.53	-0.53	0.53
2,177.00	8.70	131.56	2,165.88	-107.28	97.47	106.33	0.95	-0.67	-4.25
2,271.00	7.46	133.62	2,258.94	-116.20	107.20	115.16	1.35	-1.32	2.19
2,350.00	6.32	131.95	2,337.37	-122.65	114.15	121.54	1.47	-1.44	-2.11
2,517.00	5.79	129.95	2,503.44	-134.20	127.45	132.96	0.34	-0.32	-1.20
2,611.00	7.56	146.55	2,596.81	-142.41	134.49	141.10	2.77	1.88	17.66
2,705.00	9.88	147.80	2,689.71	-154.39	142.20	153.01	2.48	2.47	1.33
2,799.00	10.27	148.27	2,782.26	-168.34	150.90	166.88	0.42	0.41	0.50
2,893.00	10.11	140.45	2,874.79	-181.83	160.56	180.27	1.48	-0.17	-8.32
2,987.00	9.92	139.10	2,967.35	-194.31	171.12	192.65	0.32	-0.20	-1.44
3,081.00	9.41	141.37	3,060.02	-206.44	181.22	204.68	0.68	-0.54	2.41
3,175.00	8.34	139.52	3,152.89	-217.63	190.44	215.77	1.18	-1.14	-1.97
3,269.00	7.80	138.70	3,245.96	-227.60	199.07	225.67	0.59	-0.57	-0.87
3,364.00	7.51	139.42	3,340.12	-237.16	207.37	235.15	0.32	-0.31	0.76
3,459.00	7.47	139.00	3,434.30	-246.54	215.46	244.44	0.07	-0.04	-0.44
3,553.00	8.90	136.83	3,527.34	-256.45	224.44	254.27	1.56	1.52	-2.31
3,648.00	9.15	138.42	3,621.17	-267.46	234.48	265.18	0.37	0.26	1.67
3,742.00	8.32	137.91	3,714.08	-278.10	244.00	275.73	0.89	-0.88	-0.54
3,837.00	8.30	136.86	3,808.08	-288.21	253.30	285.74	0.16	-0.02	-1.11
3,932.00	8.46	138.47	3,902.07	-298.44	262.62	295.89	0.30	0.17	1.69
4,026.00	8.51	139.45	3,995.04	-308.90	271.72	306.26	0.16	0.05	1.04
4,120.00	8.65	138.63	4,087.99	-319.49	280.92	316.76	0.20	0.15	-0.87
4,215.00	8.58	139.97	4,181.91	-330.28	290.20	327.46	0.22	-0.07	1.41
4,309.00	7.63	140.97	4,274.97	-340.50	298.64	337.59	1.02	-1.01	1.06
4,402.00	6.89	143.01	4,367.23	-349.75	305.88	346.77	0.84	-0.80	2.19
4,496.00	6.21	143.96	4,460.61	-358.36	312.27	355.32	0.73	-0.72	1.01
4,590.00	6.30	137.74	4,554.06	-366.29	318.73	363.19	0.73	0.10	-6.62
4,684.00	6.98	138.95	4,647.42	-374.41	325.95	371.24	0.74	0.72	1.29
4,778.00	8.25	142.09	4,740.59	-384.04	333.84	380.80	1.42	1.35	3.34
4,873.00	8.56	145.57	4,834.57	-395.25	342.03	391.93	0.63	0.33	3.66
4,968.00	8.41	144.95	4,928.53	-406.77	350.01	403.37	0.18	-0.16	-0.65



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Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,062.00	7.42	145.76	5,021.64	-417.42	357.38	413.94	1.06	-1.05	0.86
5,157.00	7.81	137.06	5,115.80	-427.21	365.22	423.66	1.28	0.41	-9.16
5,252.00	7.57	131.16	5,209.95	-436.06	374.33	432.42	0.87	-0.25	-6.21
5,346.00	7.18	133.32	5,303.17	-444.16	383.27	440.43	0.51	-0.41	2.30
5,440.00	6.48	132.27	5,396.50	-451.76	391.47	447.95	0.76	-0.74	-1.12
5,535.00	6.10	133.25	5,490.93	-458.83	399.11	454.94	0.42	-0.40	1.03
5,629.00	5.55	131.70	5,584.45	-465.27	406.14	461.32	0.61	-0.59	-1.65
5,724.00	5.28	129.86	5,679.02	-471.13	412.93	467.11	0.34	-0.28	-1.94
5,819.00	5.27	130.23	5,773.62	-476.75	419.61	472.67	0.04	-0.01	0.39
5,914.00	4.52	143.08	5,868.28	-482.56	425.19	478.42	1.39	-0.79	13.53
6,007.00	4.42	136.64	5,960.99	-488.09	429.86	483.91	0.55	-0.11	-6.92
6,101.00	3.85	137.14	6,054.75	-493.04	434.49	488.82	0.61	-0.61	0.53
6,195.00	3.68	137.83	6,148.55	-497.59	438.66	493.32	0.19	-0.18	0.73
6,288.00	3.54	148.46	6,241.36	-502.25	442.17	497.95	0.73	-0.15	11.43
6,382.00	3.11	147.06	6,335.20	-506.86	445.07	502.53	0.47	-0.46	-1.49
6,475.00	3.80	150.31	6,428.03	-511.66	447.97	507.30	0.77	0.74	3.49
6,569.00	1.50	137.51	6,521.93	-515.27	450.34	510.89	2.51	-2.45	-13.62
6,663.00	1.76	38.73	6,615.90	-515.05	452.08	510.65	2.64	0.28	-105.09
6,759.00	2.40	37.85	6,711.84	-512.31	454.23	507.90	0.67	0.67	-0.92
6,851.00	1.77	26.94	6,803.78	-509.53	456.06	505.09	0.81	-0.68	-11.86
6,948.00	1.36	21.11	6,900.74	-507.12	457.15	502.67	0.45	-0.42	-6.01
7,041.00	1.04	38.60	6,993.72	-505.43	458.08	500.97	0.52	-0.34	18.81
7,138.00	0.58	84.06	7,090.71	-504.69	459.11	500.22	0.78	-0.47	46.87
7,233.00	0.54	132.28	7,185.71	-504.94	459.92	500.47	0.48	-0.04	50.76
7,327.00	1.27	85.76	7,279.70	-505.16	461.29	500.68	1.04	0.78	-49.49
7,422.00	1.74	47.90	7,374.67	-504.12	463.41	499.61	1.13	0.49	-39.85
7,516.00	0.46	5.49	7,468.65	-502.78	464.51	498.27	1.53	-1.36	-45.12
7,611.00	0.98	175.22	7,563.65	-503.21	464.61	498.70	1.51	0.55	178.66
7,705.00	1.21	167.92	7,657.63	-504.99	464.88	500.47	0.29	0.24	-7.77
7,798.00	0.52	182.77	7,750.62	-506.37	465.07	501.85	0.77	-0.74	15.97
7,892.00	1.03	290.68	7,844.61	-506.50	464.26	501.98	1.37	0.54	114.80
7,985.00	1.61	272.35	7,937.59	-506.15	462.17	501.65	0.76	0.62	-19.71
8,080.00	1.91	271.29	8,032.54	-506.06	459.25	501.59	0.32	0.32	-1.12
8,174.00	1.63	244.13	8,126.50	-506.60	456.49	502.17	0.93	-0.30	-28.89
8,268.00	1.55	218.64	8,220.46	-508.18	454.49	503.76	0.75	-0.09	-27.12
8,363.00	2.36	202.82	8,315.41	-510.99	452.93	506.58	1.02	0.85	-16.65
8,457.00	2.22	202.85	8,409.33	-514.45	451.47	510.06	0.15	-0.15	0.03
8,552.00	2.44	201.31	8,504.26	-518.03	450.02	513.65	0.24	0.23	-1.62
8,646.00	2.77	192.50	8,598.16	-522.11	448.80	517.74	0.55	0.35	-9.37
8,666.00	2.77	193.58	8,618.14	-523.05	448.58	518.69	0.26	0.00	5.40
8,871.00	9.04	189.43	8,821.95	-543.77	444.78	539.45	3.06	3.06	-2.02
8,919.00	14.74	183.79	8,868.90	-553.60	443.76	549.28	12.11	11.88	-11.75
8,965.00	17.59	186.80	8,913.08	-566.34	442.55	562.03	6.46	6.20	6.54

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9,012.00	21.80	184.81	8,957.32	-582.10	440.97	577.80	9.07	8.96	-4.23
9,059.00	25.56	184.55	9,000.35	-600.91	439.44	596.63	8.00	8.00	-0.55
9,154.00	34.96	177.03	9,082.35	-648.64	439.22	644.36	10.65	9.89	-7.92
9,248.00	46.32	169.64	9,153.60	-709.21	446.76	704.85	13.11	12.09	-7.86
9,295.00	52.28	171.42	9,184.24	-744.34	452.59	739.93	13.00	12.68	3.79
9,343.00	57.07	175.44	9,211.99	-783.22	457.03	778.77	12.09	9.98	8.38
9,390.00	61.68	176.43	9,235.93	-823.56	459.89	819.07	9.97	9.81	2.11
9,437.00	65.88	180.28	9,256.69	-865.68	461.07	861.18	11.57	8.94	8.19
9,485.00	69.55	181.11	9,274.89	-910.09	460.53	905.59	7.81	7.65	1.73
9,525.00	75.32	182.00	9,286.96	-948.19	459.49	943.70	14.58	14.43	2.23
9,600.00	82.59	181.59	9,301.32	-1,021.72	457.19	1,017.25	9.71	9.69	-0.55
9,663.00	82.79	182.18	9,309.33	-1,084.17	455.13	1,079.72	0.98	0.32	0.94
9,734.00	84.24	182.49	9,317.35	-1,154.65	452.26	1,150.23	2.09	2.04	0.44
HL: 9734' MD									
9,758.00	84.73	182.60	9,319.66	-1,178.52	451.19	1,174.10	2.09	2.04	0.44
9,852.00	83.72	181.41	9,329.12	-1,271.98	447.92	1,267.59	1.66	-1.07	-1.27
9,946.00	84.82	181.65	9,338.50	-1,365.48	445.42	1,361.11	1.20	1.17	0.26
10,041.00	87.59	180.35	9,344.79	-1,460.24	443.77	1,455.88	3.22	2.92	-1.37
10,135.00	92.57	180.09	9,344.66	-1,554.21	443.41	1,549.85	5.31	5.30	-0.28
10,229.00	88.80	176.80	9,343.53	-1,648.14	445.96	1,643.75	5.32	-4.01	-3.50
10,323.00	89.74	177.56	9,344.73	-1,742.02	450.59	1,737.58	1.29	1.00	0.81
10,418.00	90.70	177.57	9,344.37	-1,836.93	454.62	1,832.45	1.01	1.01	0.01
10,513.00	92.69	177.59	9,341.56	-1,931.80	458.63	1,927.27	2.09	2.09	0.02
10,607.00	92.57	179.27	9,337.24	-2,025.66	461.20	2,021.11	1.79	-0.13	1.79
10,701.00	91.31	179.38	9,334.06	-2,119.60	462.31	2,115.03	1.35	-1.34	0.12
10,796.00	88.91	178.42	9,333.88	-2,214.57	464.13	2,209.98	2.72	-2.53	-1.01
10,890.00	91.57	179.53	9,333.49	-2,308.55	465.82	2,303.94	3.07	2.83	1.18
10,984.00	91.87	180.81	9,330.66	-2,402.50	465.54	2,397.89	1.40	0.32	1.36
11,078.00	89.36	179.72	9,329.66	-2,496.49	465.10	2,491.87	2.91	-2.67	-1.16
11,173.00	90.03	180.45	9,330.16	-2,591.49	464.96	2,586.87	1.04	0.71	0.77
11,267.00	90.81	179.11	9,329.47	-2,685.48	465.32	2,680.85	1.65	0.83	-1.43
11,362.00	91.54	180.91	9,327.52	-2,780.46	465.31	2,775.82	2.04	0.77	1.89
11,456.00	92.18	181.43	9,324.47	-2,874.39	463.39	2,869.77	0.88	0.68	0.55
11,550.00	89.19	180.77	9,323.35	-2,968.35	461.58	2,963.75	3.26	-3.18	-0.70
11,644.00	90.64	182.24	9,323.49	-3,062.31	459.12	3,057.73	2.20	1.54	1.56
11,738.00	91.76	183.07	9,321.52	-3,156.19	454.76	3,151.64	1.48	1.19	0.88
11,833.00	90.84	183.31	9,319.37	-3,251.02	449.48	3,246.52	1.00	-0.97	0.25
11,928.00	90.39	183.42	9,318.35	-3,345.85	443.90	3,341.40	0.49	-0.47	0.12
12,023.00	89.75	184.20	9,318.23	-3,440.64	437.59	3,436.24	1.06	-0.67	0.82
12,117.00	89.36	184.34	9,318.96	-3,534.37	430.59	3,530.04	0.44	-0.41	0.15
12,211.00	89.38	183.84	9,319.99	-3,628.13	423.89	3,623.86	0.53	0.02	-0.53
12,306.00	89.97	184.85	9,320.53	-3,722.85	416.69	3,718.65	1.23	0.62	1.06
12,400.00	90.64	186.05	9,320.03	-3,816.42	407.76	3,812.30	1.46	0.71	1.28
12,495.00	90.62	186.79	9,318.99	-3,910.82	397.14	3,906.79	0.78	-0.02	0.78

Company:	Matador Resources	Local Co-ordinate Reference:	Well 204H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3098.00usft (Patterson:813)
Site:	Larry Wolfish 01-23S-27E RB	MD Reference:	RKB @ 3098.00usft (Patterson:813)
Well:	204H	North Reference:	Grid
Wellbore:	OH / 64293	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Patterson 813)	Database:	USA Compass

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,589.00	89.05	186.58	9,319.26	-4,004.18	386.20	4,000.25	1.69	-1.67	-0.22
12,684.00	87.76	185.96	9,321.90	-4,098.57	375.83	4,094.74	1.51	-1.36	-0.65
12,778.00	90.42	186.09	9,323.39	-4,192.03	365.96	4,188.29	2.83	2.83	0.14
12,872.00	88.60	182.39	9,324.20	-4,285.75	359.01	4,282.08	4.39	-1.94	-3.94
12,967.00	86.59	179.91	9,328.19	-4,380.63	357.11	4,376.97	3.36	-2.12	-2.61
13,061.00	89.67	179.41	9,331.25	-4,474.57	357.66	4,470.90	3.32	3.28	-0.53
13,155.00	85.86	176.75	9,334.92	-4,568.42	360.81	4,564.72	4.94	-4.05	-2.83
13,249.00	87.20	176.05	9,340.61	-4,662.06	366.70	4,658.30	1.61	1.43	-0.74
13,344.00	86.92	176.03	9,345.48	-4,756.71	373.25	4,752.88	0.30	-0.29	-0.02
13,438.00	86.84	176.05	9,350.60	-4,850.35	379.73	4,846.45	0.09	-0.09	0.02
13,533.00	91.06	173.40	9,352.34	-4,944.90	388.47	4,940.91	5.24	4.44	-2.79
13,627.00	93.86	174.11	9,348.30	-5,038.24	398.68	5,034.15	3.07	2.98	0.76
13,722.00	93.61	175.30	9,342.11	-5,132.64	407.43	5,128.45	1.28	-0.26	1.25
13,816.00	94.98	176.20	9,335.07	-5,226.11	414.38	5,221.86	1.74	1.46	0.96
13,911.00	93.70	177.23	9,327.89	-5,320.68	419.80	5,316.37	1.73	-1.35	1.08
14,005.00	93.08	179.32	9,322.33	-5,414.47	422.63	5,410.13	2.32	-0.66	2.22
14,100.00	87.74	179.05	9,321.65	-5,509.42	423.98	5,505.06	5.63	-5.62	-0.28
14,194.00	89.08	178.39	9,324.25	-5,603.36	426.08	5,598.97	1.59	1.43	-0.70
14,289.00	88.18	177.74	9,326.53	-5,698.27	429.28	5,693.86	1.17	-0.95	-0.68
14,384.00	90.08	177.18	9,327.97	-5,793.17	433.49	5,788.70	2.09	2.00	-0.59
14,391.00	90.08	177.03	9,327.96	-5,800.16	433.85	5,795.69	2.16	0.03	-2.16
HL: 14391' MD									
14,415.00	90.09	176.51	9,327.92	-5,824.12	435.20	5,819.64	2.16	0.03	-2.16
Final Phoenix MWD Survey									
14,481.00	90.09	176.51	9,327.82	-5,890.00	439.22	5,885.47	0.00	0.00	0.00
Projection to TD									

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
96.00	96.00	-0.27	-0.23	First Phoenix MWD Survey
9,734.00	9,317.35	-1,154.65	452.26	HL: 9734' MD
14,391.00	9,327.96	-5,800.16	433.85	HL: 14391' MD
14,415.00	9,327.92	-5,824.12	435.20	Final Phoenix MWD Survey
14,481.00	9,327.82	-5,890.00	439.22	Projection to TD

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

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

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	² Pool Code 98220	³ Pool Name PURPLE SAGE;WOLFCAMP(GAS)
⁴ Property Code	⁵ Property Name LARRY WOLFISH 01-23S-27E RB	⁶ Well Number #204H
⁷ OGRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 3069'

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	36	22-S	27-E	-	830'	SOUTH	836'	EAST	EDDY

¹¹Bottom Hole Location If Different From Surface

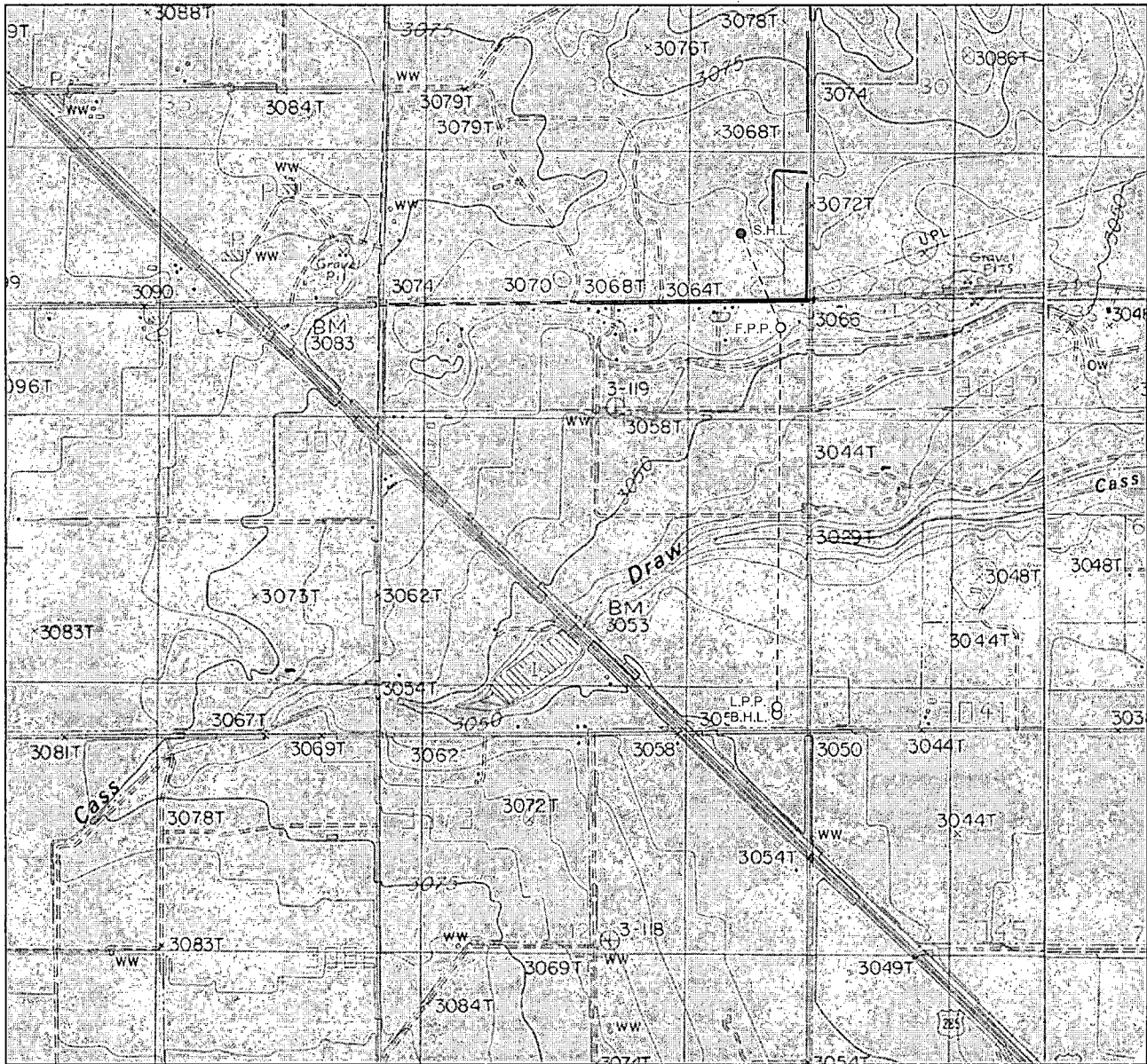
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	1	23-S	27-E	-	240'	SOUTH	339'	EAST	EDDY

¹² Dedicated Acres 320.05	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

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.

¹⁶ SURFACE HOLE LOCATION NEW MEXICO EAST NAD 1983 X=601823 Y=488942 LAT.: N 32.3440220 LONG.: W 104.1374768 NAD 1927 X=560641 Y=488883 LAT.: N 32.3439024 LONG.: W 104.1369781 FIRST PERFORATION POINT NEW MEXICO EAST NAD 1983 X=602313 Y=487788 LAT.: N 32.3408471 LONG.: W 104.1358955 NAD 1927 X=561131 Y=487729 LAT.: N 32.3407274 LONG.: W 104.1353969 BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1983 X=602267 Y=483053 LAT.: N 32.3278294 LONG.: W 104.1360729 NAD 1927 X=561085 Y=482993 LAT.: N 32.3277096 LONG.: W 104.1355747 LAST PERFORATION POINT NEW MEXICO EAST NAD 1983 X=602268 Y=483143 LAT.: N 32.3280768 LONG.: W 104.1360695 NAD 1927 X=561086 Y=483083 LAT.: N 32.3279570 LONG.: W 104.1355713	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 released 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. Signature _____ Date _____ Printed Name _____ 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. Date of Survey 03/31/2018 Signature and Seal of Professional Surveyor MICHAEL BROWN 18329 Certificate Number
--	---

LOCATION & ELEVATION VERIFICATION MAP



LEASE NAME & WELL NO.: LARRY WOLFISH 01-23S-27E RB #204H

SECTION 36 TWP 22-S RGE 27-E SURVEY N.M.P.M.
 COUNTY EDDY STATE NM ELEVATION 3069'
 DESCRIPTION 830' FSL & 836' FEL

LATITUDE N 32.3440220 LONGITUDE W 104.1374768

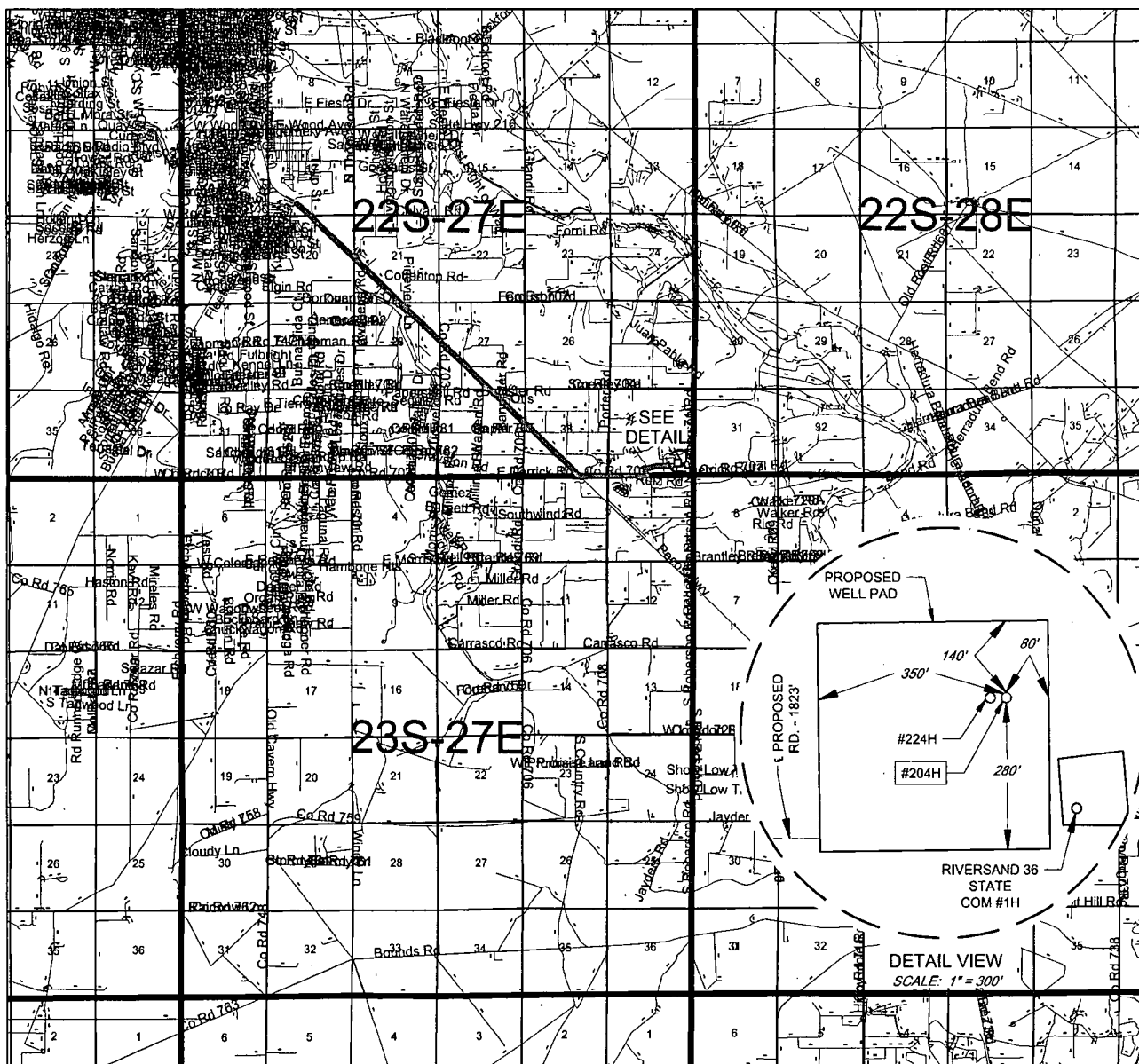


SCALE: 1" = 2000'
 0' 1000' 2000'

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.
 ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.

TOPOGRAPHIC
 LOYALTY INNOVATION LEGACY
 1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
 TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
 2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
 TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
 WWW.TOPOGRAPHIC.COM

VICINITY MAP



LEASE NAME & WELL NO.: LARRY WOLFISH 01-23S-27E RB #204H

SECTION 36 TWP 22-S RGE 27-E SURVEY N.M.P.M.
 COUNTY EDDY STATE NM
 DESCRIPTION 830' FN/SL & 836' FW/EL

DISTANCE & DIRECTION

FROM INT. OF CR-216 & HWY-285, GO SOUTHEAST ON HWY-285 ±5.6
MILES, THENCE EAST (LEFT) ON CR 707 ±0.8 MILE, THENCE NORTH
(LEFT) ON A LEASE RD ±459 FEET, THENCE EAST (RIGHT) ON A
PROPOSED RD. ±1823 FEET TO A POINT ±450 FEET SOUTHWEST OF
THIS LOCATION.

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

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SCALE: 1" = 1000'
 0' 500' 1000'



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SCALE: 1" = 2000'

0' 1000' 2000'



SECTION 36, TOWNSHIP 22-S, RANGE 27-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO



SURFACE HOLE LOCATION
NEW MEXICO EAST
NAD 1983
X=601823
Y=488942
LAT.: N 32.3440220
LONG.: W 104.1374768
NAD 1927
X=560641
Y=488883
LAT.: N 32.3439024
LONG.: W 104.1369781

FIRST PERFORATION POINT
NEW MEXICO EAST
NAD 1983
X=602313
Y=487788
LAT.: N 32.3408471
LONG.: W 104.1358955
NAD 1927
X=561131
Y=487729
LAT.: N 32.3407274
LONG.: W 104.1353969

LAST PERFORATION POINT
NEW MEXICO EAST
NAD 1983
X=602268
Y=483143
LAT.: N 32.3280768
LONG.: W 104.1360695
NAD 1927
X=561086
Y=483083
LAT.: N 32.3279570
LONG.: W 104.1355713

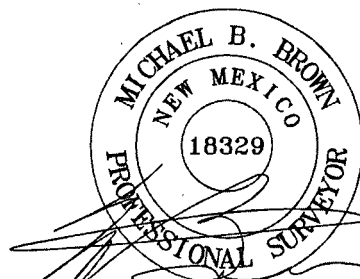
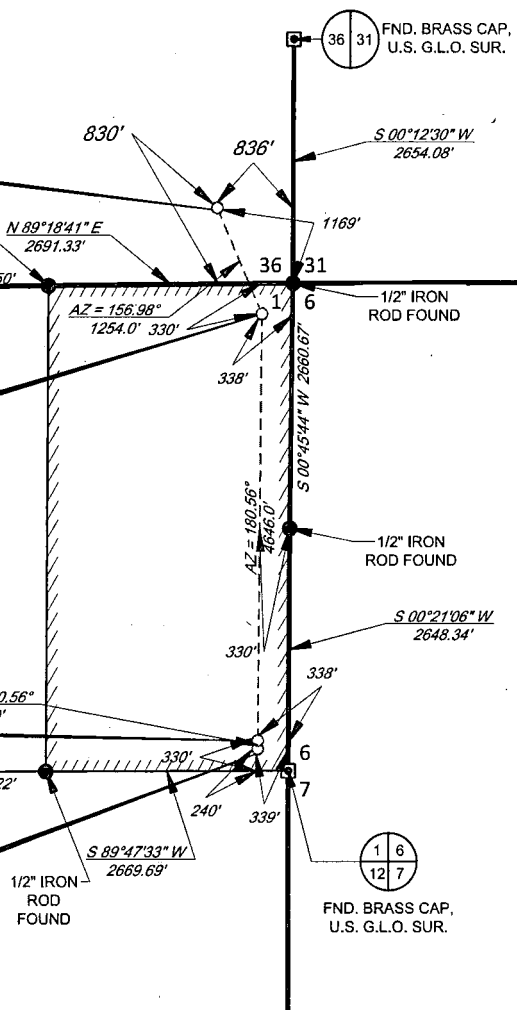
BOTTOM HOLE LOCATION
NEW MEXICO EAST
NAD 1983
X=602267
Y=483053
LAT.: N 32.3278294
LONG.: W 104.1360729
NAD 1927
X=561085
Y=482993
LAT.: N 32.3277096
LONG.: W 104.1355747

LEASE NAME & WELL NO.: LARRY WOLFISH 01-23S-27E RB #204H
SECTION 36 TWP 22-S RGE 27-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM
DESCRIPTION 830' FSL & 836' FEL

DISTANCE & DIRECTION

FROM INT. OF CR-216 & HWY-285. GO SOUTHEAST ON HWY-285
±5.6 MILES. THENCE EAST (LEFT) ON CR 707 ±0.8 MILE, THENCE
NORTH (LEFT) ON A LEASE RD ±459 FEET, THENCE EAST
(RIGHT) ON A PROPOSED RD. ±1823 FEET TO A POINT ±450
FEET SOUTHWEST OF THIS LOCATION.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.
THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY. AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.
AS OF THE DATE OF SURVEY, ALL ABOVE GROUND APPURTENANCES WITHIN 300' OF THE STAKED LOCATION ARE SHOWN HEREON.



Michael Blake Brown, P.S. No. 18329
APRIL 26, 2018



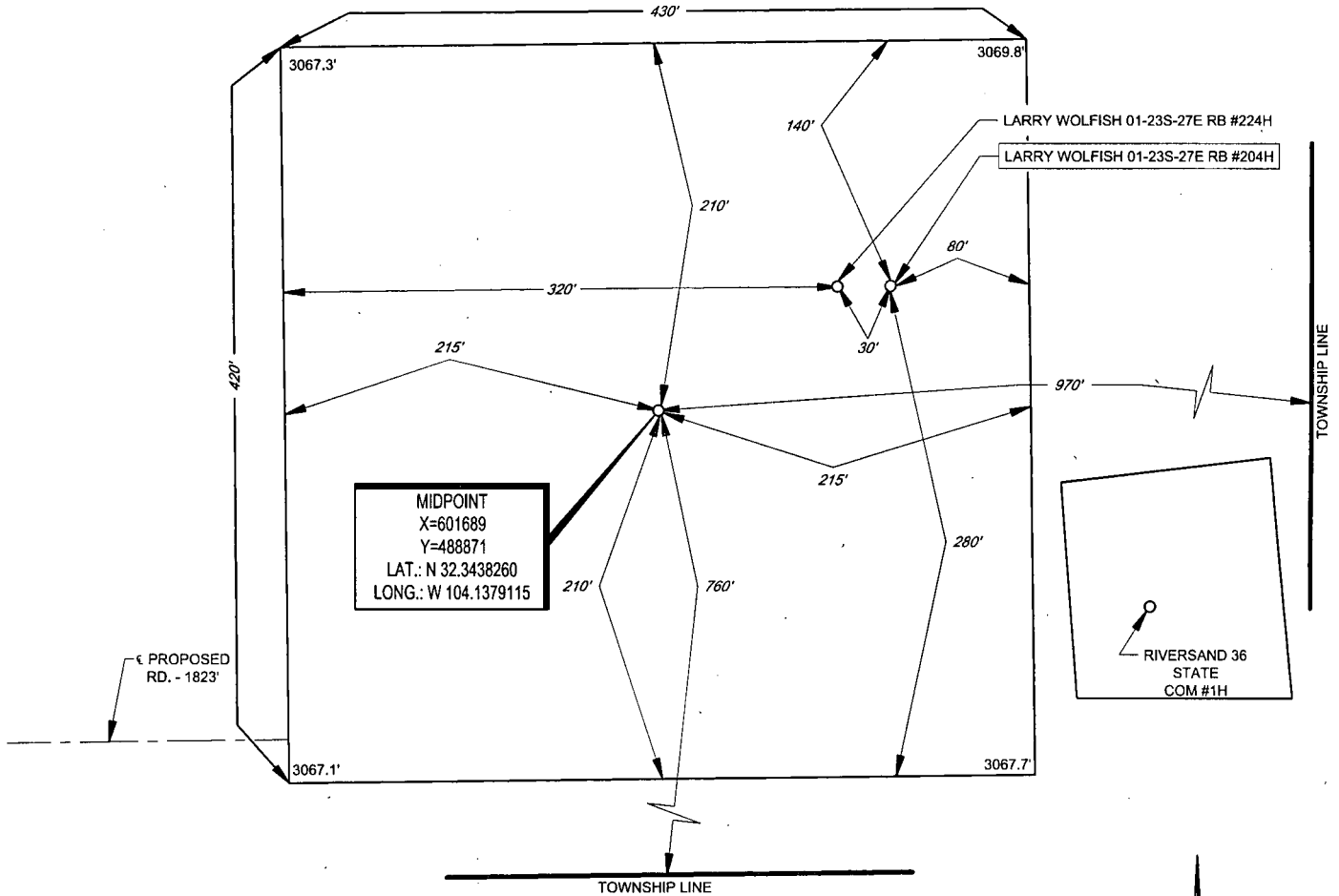
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LOYALTY INNOVATION LEGACY

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WWW.TOPOGRAPHIC.COM



SECTION 36, TOWNSHIP 22-S, RANGE 27-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

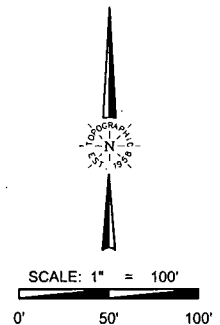
DETAIL VIEW
SCALE: 1" = 100'



LEASE NAME & WELL NO.: LARRY WOLFISH 01-23S-27E RB #204H
#204H LATITUDE N 32.3440220 #204H LONGITUDE W 104.1374768

LEGEND

———— TOWNSHIP LINE
- - - - - PROPOSED ROAD



ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.

THIS PROPOSED PAD SITE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.



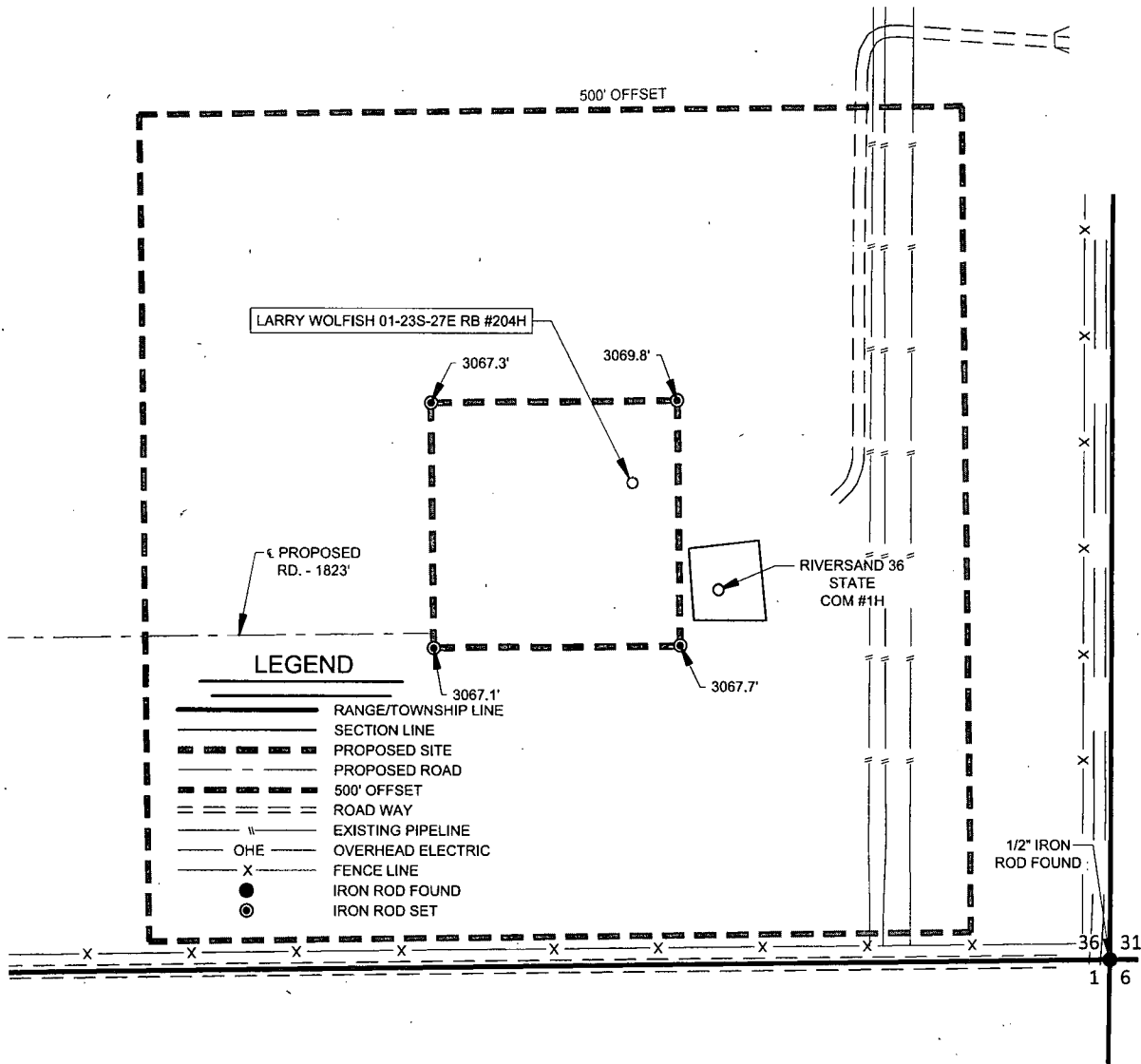
1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

ORIGINAL DOCUMENT SIZE: 8.5" X 11"

SCALE: 1" = 300'

0' 150' 300'

SECTION 36, TOWNSHIP 22-S, RANGE 27-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO



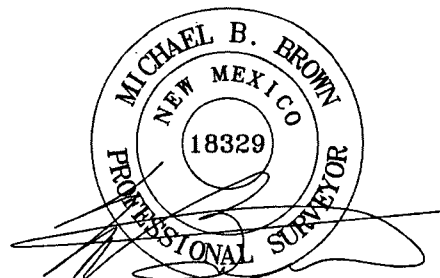
LEGEND

- RANGE/TOWNSHIP LINE
- SECTION LINE
- PROPOSED SITE
- PROPOSED ROAD
- 500' OFFSET
- ROAD WAY
- EXISTING PIPELINE
- OHE OVERHEAD ELECTRIC
- FENCE LINE
- IRON ROD FOUND
- IRON ROD SET



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 148 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM



Michael Blake Brown, P.S. No. 18329
APRIL 26, 2018

LARRY WOLFISH 01-23S-27E-RB #204H PROXIMITY	REVISION:	
	AMD	04/26/2018
	BKG	05/02/2018
DATE: 03/22/18		
FILE: LO LARRY_WOLFISH_01_23S_27E_RB_204H_REV3		
DRAWN BY: AMD		
SHEET: 1 OF 1		

NOTES:

1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.
3. CERTIFICATION IS MADE ONLY TO THE LOCATION OF THIS EASEMENT, IN RELATION TO THE EVIDENCE FOUND DURING A FIELD SURVEY, MADE ON THE GROUND, UNDER MY SUPERVISION, AND USING DOCUMENTATION PROVIDED BY MATADOR PRODUCTION COMPANY. ONLY UTILITIES/EASEMENTS THAT WERE VISIBLE ON THE DATE OF THIS SURVEY, WITHIN/ADJOINING THIS EASEMENT, HAVE BEEN LOCATED AS SHOWN HEREON OF WHICH I HAVE KNOWLEDGE. THIS CERTIFICATION IS LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE, AND MADE FOR THIS TRANSACTION ONLY.