

5600.0	.13	22.25	N 22 15 E		5599.9	8.7	12.1	315.9	8.68 N	8.48 W
5700.0	.44	284.06	N 75 56 W		5699.9	8.9	12.5	315.5	8.88 N	8.73 W
5800.0	.63	264.59	S 84 35 W	.26	5799.9	8.9	13.1	312.8	8.92 N	9.65 W
5900.0	.77	250.20	S 78 17 W	.16	5899.9	8.7	13.9	308.9	8.74 N	10.84 W
6000.0	.66	272.48	N 87 36 W	.20	5999.9	8.6	14.8	305.5	8.63 N	12.07 W
6100.0	.83	253.20	S 75 12 W	.28	6099.9	8.5	15.8	302.4	8.46 N	13.35 W
6200.0	.67	232.35	S 52 21 W	.34	6199.9	7.9	16.5	298.6	7.92 N	14.52 W
6300.0	.64	281.07	N 78 56 W	.54	6299.9	7.7	17.3	296.3	7.67 N	15.54 W
6400.0	.65	235.17	S 55 10 W	.50	6399.9	7.4	18.2	294.2	7.45 N	16.53 W
6500.0	.38	236.72	S 76 43 W	.39	6499.9	7.1	18.7	292.3	7.07 N	17.27 W
6600.0	.67	258.63	S 78 38 W	.37	6599.9	6.9	19.4	290.9	6.89 N	18.09 W
6700.0	.50	293.68	N 66 19 W	.39	6699.9	7.0	20.3	290.0	6.95 N	19.06 W
6800.0	.21	268.56	S 88 33 W	.32	6799.8	7.1	20.9	289.9	7.12 N	19.64 W
6900.0	.19	229.77	S 49 46 W	.13	6899.8	7.0	21.1	289.4	7.01 N	19.95 W
7000.0	.36	314.22	N 45 47 W	.39	6999.8	7.1	21.5	289.3	7.12 N	20.38 W
7100.0	.40	269.22	S 89 13 W	.29	7099.8	7.3	22.1	289.4	7.33 N	20.87 W
7200.0	.19	228.93	S 48 56 W	.28	7199.8	7.2	22.5	288.7	7.22 N	21.35 W
7300.0	.31	301.06	N 58 8 W	.32	7299.8	7.3	22.9	288.5	7.25 N	21.71 W
7400.0	.32	273.48	N 86 31 W	.15	7399.8	7.4	23.4	288.5	7.41 N	22.21 W
7500.0	.40	318.04	N 49 57 W	.24	7499.8	7.7	24.0	288.6	7.66 N	22.76 W
7600.0	.14	105.07	S 74 56 E	.54	7599.8	7.9	24.2	288.9	7.85 N	22.91 W
7700.0	.13	159.13	S 20 52 E	.12	7699.8	7.7	24.0	288.7	7.71 N	22.75 W
7800.0	.29	289.49	N 70 31 W	.38	7799.8	7.7	24.2	288.5	7.69 N	22.94 W
7900.0	.27	51.38	N 51 23 E	.49	7899.8	7.9	24.3	289.0	7.92 N	23.08 W

A Gyrodata Directional Survey

YATES/DALEY

WELL: AVP LCH, 4 1/2"

Location: UTI #164, LEA COUNTY, NEW MEXICO

Job Number: M001016ME124

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MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg. / 100 ft.	VERTICAL DEPTH feet	VERTICAL SECTION feet	CLOSURE DIST. feet	AZIMUTH deg.	HORIZONTAL COORDINATES feet
8000.0	.44	32.78	N 32 47 E	.21	7999.8	8.4	24.1	290.4	8.39 N 22.61 W
8100.0	.50	51.33	N 51 20 E	.16	8099.8	9.0	23.8	292.2	8.99 N 22.86 W
8200.0	.66	81.34	N 81 20 E	.34	8199.8	9.3	23.1	293.9	9.33 N 21.15 W
8300.0	.77	69.39	N 69 23 E	.19	8299.8	9.7	22.2	295.9	9.67 N 19.95 W
8400.0	.48	38.28	N 38 17 E	.44	8399.8	10.2	21.6	298.2	10.24 N 19.06 W
8500.0	.58	64.59	N 64 36 E	.26	8499.8	10.8	21.3	300.4	10.78 N 18.35 W
8600.0	.72	39.94	N 39 56 E	.31	8599.8	11.5	20.9	303.3	11.48 N 17.48 W
8700.0	.59	60.51	N 60 30 E	.27	8699.8	12.2	20.6	306.3	12.22 N 16.63 W
8800.0	.73	67.07	N 67 4 E	.15	8799.8	12.7	20.1	309.2	12.72 N 15.59 W
8900.0	.76	43.76	N 43 46 E	.38	8899.8	13.4	19.8	312.7	13.45 N 14.55 W
9000.0	.58	64.38	N 64 23 E	.34	8999.8	14.1	19.7	315.9	14.12 N 13.70 W
9100.0	.52	54.47	N 54 28 E	.09	9099.8	14.6	19.5	318.4	14.57 N 12.94 W
9200.0	.67	53.44	N 53 26 E	.15	9199.8	15.2	19.4	321.4	15.17 N 12.11 W
9300.0	.78	45.11	N 45 6 E	.16	9299.8	16.0	19.5	325.1	16.00 N 11.16 W
9400.0	.74	62.48	N 62 29 E	.23	9399.8	16.8	19.6	328.9	16.78 N 10.11 W
9500.0	.99	73.69	N 73 42 E	.30	9499.7	17.3	19.4	333.3	17.32 N 8.70 W
9600.0	.82	72.65	N 72 39 E	.17	9599.7	17.8	19.2	338.0	17.78 N 7.19 W
9700.0	1.08	70.01	N 70 8 E	.26	9699.7	18.3	19.2	342.9	18.31 N 5.62 W
9800.0	.83	60.27	N 60 16 E	.30	9799.7	19.0	19.4	347.8	18.99 N 4.11 W
9900.0	1.12	72.54	N 72 32 E	.36	9899.7	19.6	19.8	352.6	19.64 N 2.56 W
10000.0	1.01	51.38	N 51 23 E	.41	9999.7	20.5	20.5	357.4	20.48 N .94 W
10100.0	.75	65.28	N 65 17 E	.33	10099.7	21.3	21.3	.9	21.31 N .35 E
10200.0	.90	55.46	N 55 28 E	.21	10199.6	22.0	22.1	4.1	22.03 N 1.59 E
10300.0	.70	78.65	N 78 39 E	.38	10299.6	22.6	22.8	7.2	22.60 N 2.84 E
10400.0	.43	66.61	N 66 37 E	.29	10399.6	22.9	23.2	9.4	22.87 N 3.79 E
10500.0	.68	82.23	N 82 14 E	.29	10499.6	23.1	23.6	11.6	23.10 N 4.73 E
10600.0	.47	92.48	S 87 31 E	.23	10599.6	23.2	23.9	13.9	23.16 N 5.73 E
10700.0	.83	51.71	N 51 43 E	.45	10699.6	23.2	24.0	14.9	23.16 N 6.16 E
10800.0	.25	24.66	N 24 39 E	.22	10799.6	23.4	24.2	15.0	23.37 N 6.27 E
10900.0	.37	334.83	N 25 10 W	.29	10899.6	23.9	24.7	14.6	23.67 N 6.23 E
11000.0	.20	251.26	S 71 16 W	.40	10999.6	24.1	24.8	13.8	24.11 N 5.92 E
11100.0	.49	138.41	S 41 36 E	.59	11099.6	23.7	24.5	14.3	23.73 N 6.04 E
11193.0	.77	145.83	S 34 18 E	.32	11192.6	22.9	23.9	16.2	22.92 N 6.66 E

Final Station Closure: Distance: 23.87 ft Az: 16.19 deg.