

Sperry-Sun Drilling Services

Survey Report for Avalon 1 Federal #4 - MWD SURVEY

New Mexico

Eddy County
Sec. 1-T21S-R26E

Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
0.00	0.000	0.000	0.00	0.00 N	0.00 E	0.00	0.00
2356.00	0.000	0.000	2356.00	0.00 N	0.00 E	0.00	0.00
2416.00	1.400	242.000	2415.99	0.34 S	0.65 W	0.70	2.33
2479.00	2.300	237.200	2478.96	1.39 S	2.39 W	2.66	1.45
2543.00	3.200	218.700	2542.89	3.48 S	4.59 W	5.69	1.96
2607.00	4.000	216.800	2606.76	6.66 S	7.04 W	9.68	1.26
2670.00	5.300	213.200	2669.55	10.86 S	9.95 W	14.72	2.11
2734.00	6.400	218.100	2733.22	16.14 S	13.77 W	21.17	1.89
2798.00	7.800	218.100	2796.73	22.36 S	18.65 W	29.04	2.19
2862.00	9.000	223.000	2860.04	29.44 S	24.74 W	38.37	2.18
2925.00	10.200	226.000	2922.16	36.92 S	32.12 W	48.87	2.06
2989.00	11.900	228.000	2984.97	45.27 S	41.10 W	61.12	2.72
3053.00	13.100	225.500	3047.45	54.77 S	51.18 W	74.95	2.06
3116.00	14.200	223.500	3108.67	65.38 S	61.59 W	89.81	1.90
3180.00	15.600	221.400	3170.52	77.53 S	72.68 W	106.26	2.34
3243.00	17.000	219.500	3230.98	90.99 S	84.14 W	123.91	2.38
3307.00	18.000	218.400	3292.02	105.96 S	96.24 W	143.08	1.65
3371.00	19.100	218.400	3352.69	121.92 S	108.88 W	163.34	1.72
3434.00	19.400	221.000	3412.17	137.89 S	122.15 W	184.05	1.44
3498.00	20.000	222.500	3472.43	153.98 S	136.52 W	205.61	1.23
3600.00	20.000	221.100	3568.28	179.99 S	159.77 W	240.47	0.47
3694.00	19.600	222.400	3656.72	203.74 S	180.97 W	272.28	0.63
3821.00	21.100	220.300	3775.79	236.91 S	210.12 W	316.39	1.31
3948.00	21.100	221.300	3894.28	271.52 S	239.99 W	362.04	0.28
4043.00	20.500	222.200	3983.09	296.69 S	262.45 W	395.75	0.72
4139.00	20.600	223.400	4072.98	321.41 S	285.35 W	429.44	0.45
4234.00	21.000	225.000	4161.79	345.59 S	308.87 W	463.17	0.73
4362.00	20.400	225.200	4281.52	377.53 S	340.92 W	508.41	0.47
4457.00	19.400	225.300	4370.85	400.30 S	363.88 W	540.73	1.05
4584.00	19.900	224.600	4490.45	430.52 S	394.05 W	583.43	0.44
4679.00	19.200	226.700	4579.98	452.75 S	416.77 W	615.20	1.04
4775.00	19.200	228.900	4670.64	473.95 S	440.15 W	646.70	0.75
4854.00	18.400	227.100	4745.42	490.98 S	459.08 W	672.09	1.25
4950.00	19.300	224.700	4836.27	512.57 S	481.34 W	703.08	1.24
5045.00	18.900	223.100	4926.04	534.96 S	502.89 W	734.17	0.69
5140.00	18.900	221.900	5015.92	557.65 S	523.68 W	764.93	0.41
5235.00	19.000	220.000	5105.78	580.95 S	543.90 W	795.73	0.66
5330.00	19.000	220.100	5195.60	604.62 S	563.80 W	826.59	0.03
5426.00	19.000	221.400	5286.37	628.30 S	584.20 W	857.79	0.44
5522.00	18.800	224.800	5377.20	651.00 S	605.43 W	888.87	1.17

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