

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)
5617.00	18.600	220.700	5467.19	673.35 S	626.10 W	919.30	1.40
5713.00	19.000	221.700	5558.06	696.62 S	646.48 W	950.21	0.54
5807.00	18.500	221.200	5647.08	719.27 S	666.48 W	980.39	0.56
5902.00	19.400	222.200	5736.93	742.30 S	687.01 W	1011.22	1.01
6017.00	21.200	223.200	5844.78	771.61 S	714.07 W	1051.10	1.59
6093.00	20.700	225.400	5915.76	791.06 S	733.04 W	1078.27	1.23
6188.00	19.600	226.300	6004.94	813.86 S	756.52 W	1110.98	1.20
6282.00	19.100	224.200	6093.63	835.77 S	778.64 W	1142.11	0.91
6376.00	18.800	225.200	6182.54	857.47 S	800.11 W	1172.63	0.47
6470.00	18.800	222.800	6271.52	879.26 S	821.15 W	1202.92	0.82
6562.00	18.400	222.400	6358.72	900.86 S	841.01 W	1232.26	0.46
6626.00	19.000	221.800	6419.34	916.08 S	854.77 W	1252.76	0.98
6688.00	19.300	220.800	6477.91	931.36 S	868.19 W	1273.08	0.72
6751.00	19.400	222.900	6537.35	946.91 S	882.12 W	1293.94	1.12
6809.00	18.900	221.600	6592.14	960.99 S	894.91 W	1312.95	1.13
6871.00	18.500	221.700	6650.87	975.84 S	908.12 W	1332.82	0.65
6934.00	18.400	223.100	6710.63	990.57 S	921.56 W	1352.74	0.72
7028.00	17.900	224.300	6799.95	1011.74 S	941.79 W	1382.02	0.66
7090.00	18.300	223.900	6858.88	1025.57 S	955.19 W	1401.29	0.68
7184.00	18.500	221.000	6948.08	1047.46 S	975.21 W	1430.94	1.00
7247.00	17.800	220.700	7007.95	1062.30 S	988.05 W	1450.53	1.12
7309.00	17.500	218.100	7067.03	1076.82 S	999.98 W	1469.27	1.36
7371.00	17.600	218.400	7126.14	1091.51 S	1011.55 W	1487.87	0.22
7434.00	18.000	218.600	7186.13	1106.58 S	1023.54 W	1507.04	0.64
7498.00	18.000	219.600	7246.99	1121.93 S	1036.01 W	1526.75	0.48
7559.00	16.800	219.600	7305.20	1135.98 S	1047.64 W	1544.94	1.97
7620.00	16.100	217.900	7363.70	1149.45 S	1058.46 W	1562.14	1.39
7677.00	16.400	218.100	7418.43	1162.02 S	1068.28 W	1578.00	0.54
7738.00	17.200	216.200	7476.82	1176.07 S	1078.92 W	1595.51	1.59
7801.00	17.100	217.600	7537.02	1190.93 S	1090.07 W	1613.94	0.67
7894.00	17.600	219.700	7625.79	1212.58 S	1107.39 W	1641.55	0.86
7972.00	17.400	223.400	7700.18	1230.13 S	1122.94 W	1664.97	1.45
8048.00	17.400	225.500	7772.71	1246.35 S	1138.85 W	1687.70	0.83
8140.00	16.900	230.100	7860.62	1264.57 S	1158.92 W	1714.74	1.57
8202.00	17.300	232.500	7919.88	1275.96 S	1173.15 W	1732.82	1.31
8297.00	17.600	232.900	8010.51	1293.22 S	1195.81 W	1760.98	0.34
8390.00	17.500	233.100	8099.18	1310.10 S	1218.21 W	1788.67	0.13
8484.00	17.000	229.500	8188.95	1327.51 S	1239.96 W	1816.30	1.25
8577.00	17.200	229.200	8277.84	1345.32 S	1260.71 W	1843.53	0.24
8671.00	17.000	229.000	8367.69	1363.42 S	1281.60 W	1871.06	0.22

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