

Sperry-Sun Drilling Services



Survey Report for Roaring Springs 14 Fed. #3

Data Source: Information from Location

Surveyed: 12 November, 1998

Santa Fe Energy Resources
New Mexico

Eddy County
Sec. 14-T21S-R23E

Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
4000.00	1.020	347.670	3999.14	56.86 N	23.19 E	-36.76	0.296
4100.00	0.870	358.270	4099.12	58.49 N	22.97 E	-36.97	0.230
4200.00	1.120	345.530	4199.11	60.19 N	22.71 E	-37.14	0.332
4300.00	1.050	357.660	4299.09	62.06 N	22.43 E	-37.34	0.240
4400.00	0.740	338.960	4399.08	63.57 N	22.16 E	-37.46	0.422
4500.00	0.980	339.600	4499.07	64.98 N	21.63 E	-37.30	0.240
4600.00	0.780	328.260	4599.06	66.36 N	20.97 E	-37.01	0.264
4700.00	0.890	341.670	4699.05	67.67 N	20.37 E	-36.76	0.223
4800.00	0.810	313.440	4799.03	68.90 N	19.61 E	-36.34	0.422
4900.00	0.780	318.070	4899.03	69.89 N	18.64 E	-35.65	0.071
5000.00	0.960	319.120	4999.01	71.03 N	17.64 E	-34.97	0.181
5100.00	1.010	322.470	5099.00	72.36 N	16.55 E	-34.25	0.076
5200.00	0.840	309.060	5198.99	73.52 N	15.45 E	-33.47	0.274
5300.00	1.220	299.630	5298.97	74.51 N	13.95 E	-32.28	0.415
5400.00	1.240	312.490	5398.95	75.77 N	12.23 E	-30.92	0.276
5500.00	1.240	307.790	5498.92	77.16 N	10.58 E	-29.68	0.102
5600.00	1.330	334.310	5598.90	78.87 N	9.22 E	-28.79	0.596
5700.00	1.270	290.930	5698.88	80.31 N	7.68 E	-27.67	0.962
5800.00	1.250	277.220	5798.85	80.85 N	5.56 E	-25.75	0.301
5900.00	1.220	282.000	5898.83	81.20 N	3.44 E	-23.79	0.107
6000.00	1.230	269.260	5998.81	81.41 N	1.33 E	-21.79	0.272
6100.00	1.240	260.890	6098.78	81.23 N	0.82 W	-19.67	0.181
6200.00	1.150	295.090	6198.76	81.48 N	2.79 W	-17.83	0.708
6300.00	1.130	255.400	6298.74	81.66 N	4.66 W	-16.07	0.774
6400.00	0.950	268.710	6398.73	81.39 N	6.44 W	-14.27	0.300
6500.00	0.640	175.420	6498.72	80.81 N	7.22 W	-13.37	1.176
6600.00	1.730	135.230	6598.70	79.19 N	6.12 W	-14.03	1.308
6700.00	1.730	132.280	6698.65	77.10 N	3.94 W	-15.62	0.089
6800.00	1.650	118.110	6798.61	75.41 N	1.55 W	-17.50	0.424
6900.00	1.600	121.340	6898.57	74.00 N	0.91 E	-19.53	0.104
7000.00	1.440	115.030	6998.54	72.74 N	3.24 E	-21.47	0.231
7100.00	1.570	126.590	7098.50	71.39 N	5.48 E	-23.29	0.330
7200.00	2.340	140.540	7198.44	69.00 N	7.88 E	-25.01	0.900
7300.00	1.880	138.300	7298.37	66.20 N	10.27 E	-26.62	0.467
7400.00	0.850	142.690	7398.35	64.39 N	11.81 E	-27.65	1.035
7500.00	1.090	161.860	7498.33	62.89 N	12.56 E	-28.00	0.400
7600.00	1.120	182.640	7598.31	61.01 N	12.81 E	-27.76	0.400
7700.00	1.130	188.260	7698.29	59.06 N	12.62 E	-27.09	0.111
7725.00	1.130	187.663	7723.29	58.57 N	12.55 E	-26.90	0.047

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