

U.S. GEOLOGICAL SURVEY

ARIESIA, NEW MEXICO

1974

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Measured Depth (feet)	Course Length (Hundreds of feet)	Angle of Inclination (Degrees)	Displacement per Hundred Feet (Sine of Angle X 100)	Course Displacement (feet)	Accumulative Displacement (feet)
3925	.33	3	5.23	1.73	61.87
3985	.60	2-3/4	4.80	2.88	64.75
4048	.63	2-1/4	3.93	2.48	67.23
4112	.64	2-1/4	3.93	2.52	69.75
4202	.90	2-1/4	3.93	3.54	73.29
4277	.75	1-3/4	3.05	2.29	75.58
4516	2.39	1-1/2	2.62	2.26	81.84
4730	2.14	2	3.49	7.47	89.31
4886	1.56	1	1.75	2.73	92.04
5073	1.87	1/4	.44	.82	92.86
5272	1.99	3/4	1.31	0.61	95.47
5510	2.38	1-1/4	2.18	5.19	100.66
5708	1.98	3/4	1.31	2.59	103.25
5915	2.07	1	1.75	3.62	106.87
6108	1.93	1/4	.44	.85	107.72
6314	2.06	1	1.75	3.61	111.33
6543	2.29	1/4	.44	1.01	112.34
6760	2.17	1-1/2	2.62	5.68	118.02
6853	.93	2	3.49	3.25	121.27
6910	.57	1-3/4	3.05	1.74	123.01
6978	.68	2	3.49	2.37	125.38
7039	.61	2	3.49	2.13	127.51
7100	.61	1-1/4	2.18	1.33	128.84
7419	3.19	2	3.49	11.13	139.97
7570	1.51	1-1/2	2.62	3.96	143.93
7914	3.44	2	3.49	12.00	155.93
8228	3.14	1-3/4	3.05	9.58	165.51
8545	3.17	2	3.49	11.06	176.57
8860	3.15	1 1/4	2.18	6.87	183.44
9360	5.00	3-1/2	6.11	30.55	213.99
9465	1.05	3	5.23	5.49	129.48
9650	1.85	2-1/2	4.36	8.07	227.55
9950	3.00	1-3/4	3.05	9.15	236.70
10360	4.10	2-1/2	4.36	17.88	254.58
10750	3.90	2	3.49	13.61	268.19
11040	2.90	1	2.18	6.32	274.51

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O. C. C.
ARTESIA, OFFICE