

PENNZOIL COMPANY
STATE 16 #4
LEA COUNTY, NEW MEXICO

Measured Depth Feet	Incl. Angle Degs.	Hole Direction Degs.	True Verticle Depth Feet	R e c t a n g u l a r C o o r d i n a t e s			Dog-Leg Severity DG/100 Ft
				N/S	feet	E/W	
100.00	1.20	N 5.00 W	99.99	1.04 N	0.09 W		1.20
200.00	1.80	N 10.00 W	199.96	3.64 N	0.43 W		0.61
300.00	1.60	N 11.00 W	299.91	6.55 N	0.97 W		0.20
400.00	1.40	N 8.00 W	399.88	9.14 N	1.41 W		0.21
500.00	1.10	N 23.00 W	499.86	11.23 N	1.99 W		0.44
600.00	0.90	N 24.00 W	599.84	12.83 N	2.68 W		0.20
700.00	0.80	N 18.00 W	699.83	14.22 N	3.21 W		0.13
800.00	0.50	N 30.00 W	799.82	15.25 N	3.67 W		0.33
900.00	0.40	N 32.00 W	899.82	15.92 N	4.08 W		0.10
1000.00	0.40	N 44.00 W	999.82	16.47 N	4.51 W		0.08
1100.00	0.50	N 32.00 W	1099.81	17.09 N	4.99 W		0.14
1200.00	0.40	N 43.00 W	1199.81	17.71 N	5.47 W		0.13
1300.00	0.30	N 58.00 W	1299.81	18.10 N	5.94 W		0.13
1400.00	0.30	N 78.00 W	1399.81	18.30 N	6.42 W		0.10
1500.00	0.40	S 86.00 W	1499.81	18.34 N	7.03 W		0.14
1600.00	0.70	S 73.00 W	1599.80	18.16 N	7.97 W		0.32
1700.00	0.80	S 56.00 W	1699.79	17.60 N	9.15 W		0.24
1800.00	0.60	S 39.00 W	1799.79	16.78 N	10.04 W		0.29
1900.00	0.40	S 44.00 W	1899.78	16.13 N	10.62 W		0.20
2000.00	0.30	S 16.00 E	1999.78	15.56 N	10.76 W		0.36
2100.00	0.20	S 17.00 E	2099.78	15.14 N	10.64 W		0.10
2200.00	0.30	S 37.00 E	2199.78	14.76 N	10.44 W		0.13
2300.00	0.10	S 37.00 E	2299.78	14.48 N	10.23 W		0.20
2400.00	0.10	S 28.00 E	2399.78	14.33 N	10.14 W		0.02
2500.00	0.50	S 58.00 W	2499.78	13.87 N	10.26 W		0.50
2600.00	0.70	S 66.00 W	2599.77	13.38 N	11.19 W		0.22
2700.00	0.20	N 65.00 W	2699.72	13.39 N	11.95 W		0.59
2800.00	0.00	N 65.00 W	2799.77	13.46 N	12.11 W		0.20
2900.00	0.00	N 00.00 E	2899.77	13.46 N	12.11 W		0.00
3000.00	0.50	N 47.00 E	2999.76	13.76 N	11.79 W		0.50
3100.00	0.80	N 60.00 E	3099.76	14.43 N	10.88 W		0.33
3200.00	1.10	N 69.00 E	3199.74	15.14 N	9.38 W		0.33
3300.00	1.10	N 76.00 E	3299.73	15.72 N	7.55 W		0.13
3400.00	1.20	N 89.00 E	3399.71	15.98 N	5.57 W		0.28
3500.00	1.00	N 83.00 E	3499.69	16.12 N	3.65 W		0.23