

DIG INC.

AMOCO PRODUCTION COMPANY
LORAIN GAS COM. #1
SAN JUAN COUNTY, N.M.

Calculated by Minimum Curvature Method

- RECORD OF SURVEY -

MEASURED DEPTH (FT)	INCL ANGLE (DEG)	D R I F T DIRECTION (DEG)	COURSE LENGTH (FT)	TRUE VERTICAL DEPTH	T O T A L RECTANGULAR COORDINATES (FT)	C L O S U R E DISTANCE (FT)	DIRECTION (DEG)	DOGLEG SEVERITY (DG/100')
3000.00	0.00	N 0.00 E	0.00	3000.00	0.00 N 0.00 E	0.00	N 0.00 E	0.00
3050.00	0.50	S 75.00 W	50.00	3050.00	0.06 S 0.21 W	0.22	S 75.00 W	1.00
3080.00	2.00	S 75.00 W	30.00	3079.99	0.23 S 0.84 W	0.87	S 75.00 W	5.00
3110.00	1.75	N 85.00 W	30.00	3109.98	0.32 S 1.80 W	1.83	S 79.90 W	2.32
3144.00	2.00	S 85.00 W	34.00	3143.96	0.33 S 2.91 W	2.93	S 83.58 W	1.21
3175.00	0.75	N 88.00 W	31.00	3174.95	0.37 S 3.65 W	3.67	S 84.25 W	4.06
3206.00	1.75	N 25.00 E	31.00	3205.94	0.07 N 3.66 W	3.66	N 88.93 W	6.96
3220.00	2.50	N 40.00 E	14.00	3219.93	0.50 N 3.37 W	3.41	N 81.63 W	6.63
3249.00	3.00	N 45.00 E	29.00	3248.90	1.52 N 2.43 W	2.86	N 58.00 W	1.91
3278.00	3.00	N 55.00 E	29.00	3277.86	2.49 N 1.27 W	2.79	N 27.02 W	1.80
3305.00	2.25	N 62.50 E	27.00	3304.83	3.14 N 0.22 W	3.15	N 4.02 W	3.05
3337.00	2.50	N 70.00 E	32.00	3336.80	3.67 N 0.99 E	3.80	N 15.14 E	1.24
3399.00	1.75	N 77.50 E	62.00	3398.76	4.33 N 3.19 E	5.38	N 36.33 E	1.29
3447.00	1.75	N 85.00 E	48.00	3446.74	4.56 N 4.63 E	6.50	N 45.47 E	0.48
3509.00	1.75	N 88.00 E	62.00	3508.71	4.67 N 6.52 E	8.02	N 54.38 E	0.15
3635.00	1.75	N 85.00 E	126.00	3634.65	4.91 N 10.36 E	11.47	N 64.66 E	0.07
3786.00	1.50	S 75.00 E	151.00	3785.59	4.60 N 14.57 E	15.28	N 72.49 E	0.41
3943.00	1.50	S 75.00 E	157.00	3942.54	3.53 N 18.54 E	18.87	N 79.21 E	0.00
4127.00	1.50	S 88.00 E	184.00	4126.48	2.83 N 23.27 E	23.44	N 83.08 E	0.18
4404.00	1.25	S 77.00 E	277.00	4403.40	2.02 N 29.84 E	29.91	N 86.13 E	0.13
4530.00	1.25	S 80.00 E	126.00	4529.37	1.47 N 32.53 E	32.56	N 87.41 E	0.05
4778.00	1.25	S 40.00 E	248.00	4777.31	1.07 S 36.93 E	36.95	S 88.34 E	0.34
5060.00	1.50	S 20.00 E	282.00	5059.23	6.89 S 40.17 E	40.76	S 80.26 E	0.19
5311.00	1.75	S 5.00 E	251.00	5310.13	13.80 S 41.63 E	43.86	S 71.66 E	0.20
5623.00	2.25	S 5.00 E	312.00	5621.94	24.65 S 42.58 E	49.20	S 59.94 E	0.16
7391.00	2.25	S 5.00 E	1768.00	7388.58	93.79 S 48.63 E	105.65	S 27.41 E	0.00