

DIG INC.

YATES PETROLEUM CORP.
AMARANTH AMG FED. #1
EDDY COUNTY, N.M.

Calculated by Minimum Curvature Method
Vert Sect Plane: S 18.69 W

- 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)		VERTICAL SECTION (FT)	C L O S U R E DISTANCE DIRECTION (FT) (DEG)		DOGLEG SEVERITY (DG/100')
6339.00	11.75	S 54.00 W	94.50	6317.22	105.05 S	95.70 W	130.18	142.11	S 42.33 W	0.53
6433.50	11.50	S 56.00 W	94.50	6409.78	115.98 S	111.29 W	145.52	160.74	S 43.82 W	0.50
6528.00	11.50	S 54.00 W	94.50	6502.39	126.78 S	126.72 W	160.70	179.25	S 44.99 W	0.42
6622.50	11.25	S 55.00 W	94.50	6595.03	137.60 S	141.90 W	175.82	197.66	S 45.88 W	0.34
6717.00	11.25	S 54.00 W	94.50	6687.72	148.31 S	156.90 W	190.77	215.91	S 46.61 W	0.21
6811.50	11.00	S 50.00 W	94.50	6780.44	159.52 S	171.27 W	205.99	234.05	S 47.03 W	0.86
6906.00	10.50	S 36.00 W	94.50	6873.30	172.29 S	183.24 W	221.92	251.51	S 46.76 W	2.81
7000.50	9.75	S 24.00 W	94.50	6966.34	186.57 S	191.56 W	238.11	267.40	S 45.76 W	2.36
7095.00	11.25	S 18.00 W	94.50	7059.25	202.64 S	197.66 W	255.30	283.08	S 44.29 W	1.96
7189.50	13.50	S 19.00 W	94.50	7151.55	221.84 S	204.10 W	275.55	301.45	S 42.61 W	2.39
7284.00	16.25	S 19.00 W	94.50	7242.88	244.78 S	212.00 W	299.80	323.82	S 40.90 W	2.91
7378.50	17.50	S 17.00 W	94.50	7333.31	270.87 S	220.46 W	327.23	349.24	S 39.14 W	1.46
7473.00	18.00	S 14.00 W	94.50	7423.31	298.62 S	228.14 W	355.98	375.80	S 37.38 W	1.10
7567.50	18.75	S 9.00 W	94.50	7513.00	327.79 S	234.05 W	385.51	402.78	S 35.53 W	1.85
7662.00	20.00	S 5.00 W	94.50	7602.15	358.90 S	237.84 W	416.18	430.55	S 33.53 W	1.93
7756.50	21.50	S 2.00 W	94.50	7690.52	392.31 S	239.85 W	448.48	459.82	S 31.44 W	1.94
7851.00	23.50	S 2.00 W	94.50	7777.82	428.45 S	241.11 W	483.12	491.63	S 29.37 W	2.12
7945.50	24.75	S 1.00 E	94.50	7864.07	467.06 S	241.42 W	519.79	525.76	S 27.33 W	1.85
8040.00	26.50	S 3.00 E	94.50	7949.27	507.89 S	239.97 W	558.01	561.73	S 25.29 W	2.07
8134.50	26.25	S 5.00 E	94.50	8033.94	549.77 S	237.05 W	596.74	598.69	S 23.32 W	0.98
8229.00	24.25	S 0.00 E	94.50	8119.41	590.00 S	235.23 W	634.27	635.16	S 21.74 W	3.09
8323.50	21.25	S 2.00 W	94.50	8206.55	626.53 S	235.83 W	669.06	669.44	S 20.63 W	3.28
8418.00	20.50	S 5.00 W	94.50	8294.85	660.13 S	237.87 W	701.54	701.68	S 19.82 W	1.38
8512.50	21.75	S 13.00 W	94.50	8383.02	693.68 S	243.25 W	735.05	735.10	S 19.32 W	3.32
8607.00	19.75	S 18.00 W	94.50	8471.39	725.93 S	252.12 W	768.45	768.47	S 19.15 W	2.83
8701.50	20.75	S 19.00 W	94.50	8560.05	756.95 S	262.51 W	801.15	801.17	S 19.13 W	1.12
8796.00	22.00	S 23.00 W	94.50	8648.05	789.07 S	274.87 W	835.54	835.58	S 19.21 W	2.03
8890.50	24.25	S 27.00 W	94.50	8734.96	822.66 S	290.60 W	872.40	872.48	S 19.46 W	2.90
8985.00	25.75	S 25.00 W	94.50	8820.60	858.56 S	308.09 W	912.01	912.17	S 19.74 W	1.82
9079.50	24.75	S 23.00 W	94.50	8906.07	895.38 S	324.50 W	952.14	952.36	S 19.92 W	1.39
9174.00	25.25	S 21.00 W	94.50	8991.72	932.40 S	339.45 W	992.01	992.27	S 20.00 W	1.04
9268.50	26.00	S 29.00 W	94.50	9076.95	969.35 S	356.72 W	1032.54	1032.90	S 20.20 W	3.74
9363.00	28.50	S 31.00 W	94.50	9160.96	1006.80 S	378.38 W	1074.95	1075.55	S 20.60 W	2.82

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