

DIG INC.

YATES PETROLEUM CORP.
AMARANTH AM3 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 (FT)	DIRECTION (DEG)	DOGLEG SEVERITY (DG/100')
0.00	0.00	N 0.00 E	0.00	0.00	0.00 N 0.00 E	0.00	0.00	N 0.00 E	0.00
100.00	0.25	S 60.00 E	100.00	100.00	0.11 S 0.19 E	0.04	0.22	S 60.00 E	0.25
200.00	0.50	S 22.00 E	100.00	200.00	0.62 S 0.54 E	0.42	0.83	S 41.00 E	0.34
300.00	0.75	S 10.00 W	100.00	299.99	1.67 S 0.59 E	1.39	1.77	S 19.47 E	0.42
400.00	0.75	S 6.00 E	100.00	399.98	2.97 S 0.55 E	2.64	3.02	S 10.42 E	0.21
500.00	1.00	S 21.00 W	100.00	499.97	4.43 S 0.30 E	4.10	4.44	S 3.89 E	0.48
600.00	1.25	S 11.00 E	100.00	599.95	6.32 S 0.20 E	5.92	6.32	S 1.79 E	0.67
700.00	1.00	S 8.00 E	100.00	699.93	8.25 S 0.53 E	7.65	8.27	S 3.65 E	0.26
800.00	1.25	S 10.00 E	100.00	799.91	10.19 S 0.84 E	9.39	10.23	S 4.70 E	0.25
900.00	1.25	S 47.00 E	100.00	899.89	12.01 S 1.82 E	10.79	12.15	S 8.64 E	0.79
1000.00	2.00	S 71.00 E	100.00	999.85	13.32 S 4.27 E	11.25	13.99	S 17.78 E	1.00
1100.00	2.75	S 84.00 E	100.00	1099.77	14.14 S 8.31 E	10.73	16.40	S 30.44 E	0.92
1200.00	3.25	N 87.00 E	100.00	1199.63	14.24 S 13.52 E	9.16	19.64	S 43.52 E	0.69
1300.00	3.50	N 81.00 E	100.00	1299.46	13.62 S 19.37 E	6.69	23.68	S 54.89 E	0.43
1400.00	3.75	N 83.00 E	100.00	1399.26	12.74 S 25.63 E	3.86	28.62	S 63.57 E	0.28
1500.00	3.75	N 83.00 E	100.00	1499.04	11.94 S 32.12 E	1.02	34.27	S 69.60 E	0.00
1600.00	4.00	N 84.00 E	100.00	1598.81	11.18 S 38.84 E	-1.85	40.41	S 73.94 E	0.26
1700.00	4.00	N 74.00 E	100.00	1698.57	9.85 S 45.66 E	-5.30	46.71	S 77.82 E	0.70
1800.00	2.50	N 78.00 E	100.00	1798.41	8.44 S 51.14 E	-8.39	51.84	S 80.63 E	1.52
1900.00	2.00	N 79.00 E	100.00	1898.33	7.55 S 54.99 E	-10.37	55.52	S 82.08 E	0.50
2000.00	1.75	N 75.00 E	100.00	1998.28	6.93 S 58.18 E	-12.08	58.59	S 83.21 E	0.28
2100.00	1.25	N 84.00 E	100.00	2098.24	6.42 S 60.74 E	-13.39	61.08	S 83.97 E	0.55
2200.00	1.00	S 87.00 E	100.00	2198.22	6.35 S 62.69 E	-14.08	63.02	S 84.22 E	0.31
2300.00	1.00	N 79.00 E	100.00	2298.21	6.23 S 64.42 E	-14.75	64.72	S 84.48 E	0.24
2400.00	1.25	N 73.00 E	100.00	2398.19	5.74 S 66.32 E	-15.81	66.57	S 85.05 E	0.28
2500.00	1.00	N 74.00 E	100.00	2498.17	5.18 S 68.20 E	-16.95	68.40	S 85.66 E	0.25
2600.00	0.75	N 55.00 E	100.00	2598.16	4.58 S 69.59 E	-17.96	69.74	S 86.24 E	0.37
2700.00	0.75	N 46.00 E	100.00	2698.15	3.75 S 70.60 E	-19.07	70.70	S 86.96 E	0.13
2800.00	0.50	N 90.00 E	100.00	2798.14	3.30 S 71.51 E	-19.79	71.58	S 87.36 E	0.52
2900.00	0.25	N 78.00 E	100.00	2898.14	3.25 S 72.16 E	-20.04	72.23	S 87.42 E	0.26
3000.00	0.25	N 86.00 E	100.00	2998.14	3.19 S 72.59 E	-20.23	72.66	S 87.48 E	0.03
3100.00	0.25	N 32.00 E	100.00	3098.14	2.99 S 72.92 E	-20.53	72.98	S 87.65 E	0.23

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Vert Sect Ref: Well Head
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