

Job Number: 1

State/Country: EDDY/NM/USA

Company: YATES PETROLEUM CORPORATION

Declination:

Lease/Well: COUNTRY CLUB AYK #1

Grid:

Location: SEC. 25 T21S-R26E, SURFACE: 1,620' S & 590' E, BHL: 1,980' N & W

Date/Time: 27-Feb-01 / 14:46

Rig Name: UTI #165

Curve Name:

RKB:

G.L. or M.S.L.:

WINSERVE SURVEY CALCULATIONS

Minimum Curvature Method

Vertical Section Plane 301.80

Vertical Section Referenced to offset from Wellhead: EW =.00 Ft, NS=.00 Ft

Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
PICK UP DIRECTIONAL TOOLS AND BEGIN BUILDING AT A RATE OF 3 DEGREES/100'									
2405.44	.00	301.80	2405.44	.00	.00	.00	.00	.00	.00
2435.44	.90	301.80	2435.44	.12	-.20	.24	.24	301.80	3.00
2465.44	1.80	301.80	2465.43	.50	-.80	.94	.94	301.80	3.00
2495.44	2.70	301.80	2495.41	1.12	-1.80	2.12	2.12	301.80	3.00
2525.44	3.60	301.80	2525.36	1.99	-3.20	3.77	3.77	301.80	3.00
2555.44	4.50	301.80	2555.29	3.10	-5.00	5.89	5.89	301.80	3.00
2585.44	5.40	301.80	2585.17	4.47	-7.20	8.48	8.48	301.80	3.00
2615.44	6.30	301.80	2615.02	6.08	-9.80	11.53	11.53	301.80	3.00
2645.44	7.20	301.80	2644.81	7.93	-12.80	15.06	15.06	301.80	3.00
2675.44	8.10	301.80	2674.54	10.04	-16.19	19.05	19.05	301.80	3.00
2705.44	9.00	301.80	2704.21	12.39	-19.98	23.51	23.51	301.80	3.00
2735.44	9.90	301.80	2733.80	14.98	-24.17	28.44	28.44	301.80	3.00
2765.44	10.80	301.80	2763.31	17.82	-28.75	33.83	33.83	301.80	3.00
2795.44	11.70	301.80	2792.73	20.91	-33.73	39.68	39.68	301.80	3.00
2825.44	12.60	301.80	2822.06	24.23	-39.09	46.00	46.00	301.80	3.00
2855.44	13.50	301.80	2851.29	27.80	-44.85	52.77	52.77	301.80	3.00
2885.44	14.40	301.80	2880.40	31.61	-51.00	60.00	60.00	301.80	3.00
2915.44	15.30	301.80	2909.40	35.67	-57.53	67.69	67.69	301.80	3.00
2945.44	16.20	301.80	2938.27	39.96	-64.45	75.83	75.83	301.80	3.00
2975.44	17.10	301.80	2967.01	44.49	-71.76	84.43	84.43	301.80	3.00
3005.44	18.00	301.80	2995.62	49.25	-79.45	93.48	93.48	301.80	3.00
3035.44	18.90	301.80	3024.08	54.25	-87.52	102.97	102.97	301.80	3.00
3065.44	19.80	301.80	3052.38	59.49	-95.97	112.91	112.91	301.80	3.00
3095.44	20.70	301.80	3080.53	64.96	-104.79	123.29	123.29	301.80	3.00
3125.44	21.60	301.80	3108.51	70.67	-113.99	134.12	134.12	301.80	3.00
3155.44	22.50	301.80	3136.31	76.60	-123.56	145.38	145.38	301.80	3.00