

Job Number: 1

State/Country: Eddy, NM, USA

Company: Yates Petroleum Corp

Declination:

Lease/Well: Lowe Staple AMR Federal Com. #2

Grid:

Location: Section 22 T21S-R24E, Surface: 237' N & 937' W, BHL: 660' N & W

Rig Name: N/A

Date/Time: 26-Nov-01 / 11:38

RKB:

Curve Name: Proposed

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

WINSERVE SURVEY CALCULATIONS

Minimum Curvature Method

Vertical Section Plane 213.22

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 Angle FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
Run Gyro to determine exact BHL, pick up directional tools and begin building angle at a rate of 2.5 deg/100'									
5414.53	.00	.00	5414.53	.00	.00	.00	.00	.00	.00
5444.53	.75	213.22	5444.53	-.16	-.11	.20	.20	213.22	2.50
5474.53	1.50	213.22	5474.52	-.66	-.43	.79	.79	213.22	2.50
5504.53	2.25	213.22	5504.50	-1.48	-.97	1.77	1.77	213.22	2.50
5534.53	3.00	213.22	5534.47	-2.63	-1.72	3.14	3.14	213.22	2.50
5564.53	3.75	213.22	5564.42	-4.11	-2.69	4.91	4.91	213.22	2.50
5594.53	4.50	213.22	5594.34	-5.91	-3.87	7.06	7.06	213.22	2.50
5624.53	5.25	213.22	5624.23	-8.04	-5.27	9.61	9.61	213.22	2.50
5654.53	6.00	213.22	5654.09	-10.50	-6.88	12.55	12.55	213.22	2.50
5684.53	6.75	213.22	5683.90	-13.29	-8.70	15.89	15.89	213.22	2.50
5714.53	7.50	213.22	5713.67	-16.40	-10.74	19.61	19.61	213.22	2.50
5744.53	8.25	213.22	5743.39	-19.84	-12.99	23.72	23.72	213.22	2.50
5774.53	9.00	213.22	5773.05	-23.61	-15.46	28.22	28.22	213.22	2.50
5804.53	9.75	213.22	5802.65	-27.69	-18.14	33.10	33.10	213.22	2.50
5834.53	10.50	213.22	5832.18	-32.11	-21.02	38.38	38.38	213.22	2.50
5864.53	11.25	213.22	5861.64	-36.84	-24.12	44.04	44.04	213.22	2.50
5894.53	12.00	213.22	5891.02	-41.90	-27.44	50.08	50.08	213.22	2.50
5924.53	12.75	213.22	5920.33	-47.28	-30.96	56.51	56.51	213.22	2.50
5954.53	13.50	213.22	5949.54	-52.98	-34.69	63.32	63.32	213.22	2.50
5984.53	14.25	213.22	5978.67	-58.99	-38.63	70.52	70.52	213.22	2.50
End of build, hold 15 degree angle, steering as needed.									
6014.53	15.00	213.22	6007.70	-65.33	-42.78	78.09	78.09	213.22	2.50
6014.53	15.00	213.22	6007.70	-65.33	-42.78	78.09	78.09	213.22	2.76
6114.53	15.00	213.22	6104.29	-86.98	-56.96	103.97	103.97	213.22	.00
6214.53	15.00	213.22	6200.88	-108.64	-71.14	129.86	129.86	213.22	.00
6314.53	15.00	213.22	6297.47	-130.29	-85.32	155.74	155.74	213.22	.00
6414.53	15.00	213.22	6394.07	-151.94	-99.50	181.62	181.62	213.22	00

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