

Job Number: WTX-1100-D-298
 Company: Yates Petroleum
 Lease/Well: Diamond Fed. #1-H
 Location: Eddy County
 Rig Name: UTI #186
 RKB:
 G.L. or M.S.L.:

State/Country: New Mex.
 Declination:
 Grid:
 File name: C:\WINSERVE\DIAMD1H.SVY
 Date/Time: 13-Dec-00 / 13:02
 Curve Name: Diamond Fed. #1-H

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 357.30
 Vertical Section Referenced to Wellhead
 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	Direction Deg	Dogleg Severity Deg/100
Gyro Tie In									
7400.00	1.70	219.53	7397.11	-80.20	.55	-80.14	80.20	179.61	.00
7433.00	.70	323.00	7430.10	-80.42	.12	-80.33	80.42	179.92	6.01
Last Gyro Survey									
7454.00	3.60	26.30	7451.09	-79.72	.33	-79.65	79.72	179.76	15.93
7481.00	8.60	26.30	7477.93	-77.15	1.60	-77.14	77.17	178.81	18.52
7513.00	14.00	26.30	7509.30	-71.53	4.38	-71.66	71.67	176.50	16.87
7545.00	21.90	25.70	7539.71	-62.67	8.69	-63.01	63.27	172.11	24.69
7577.00	28.50	20.20	7568.66	-50.11	13.92	-50.71	52.01	164.48	21.86
7609.00	36.30	16.50	7595.66	-33.84	19.26	-34.71	38.93	150.36	25.14
7641.00	44.30	15.90	7620.04	-13.98	25.02	-15.14	28.66	119.19	25.03
7671.00	52.10	14.50	7640.02	7.59	30.86	6.13	31.78	76.18	26.23
7703.00	60.10	13.70	7657.86	33.33	37.32	31.54	50.04	48.23	25.09
7735.00	68.70	12.00	7671.87	61.44	43.71	59.32	75.41	35.43	27.30
7767.00	76.40	9.90	7681.28	91.39	49.50	88.96	103.94	28.44	24.86
7798.00	84.00	7.00	7686.54	121.58	53.97	118.91	133.03	23.94	26.19
7830.00	85.70	4.20	7689.41	153.30	57.08	150.44	163.58	20.42	10.21
7862.00	86.30	4.20	7691.64	185.14	59.42	182.13	194.44	17.79	1.87
7894.00	86.20	4.20	7693.73	216.98	61.76	213.83	225.60	15.89	.31

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COMMITTEE