

DAILEY INTERNATIONAL INC.

YATES PETROLEUM
PRESTON FEDERAL #25
EDDY COUNTY, NEW MEXICO

Calculated by Minimum Curvature Method
Vert Sect Plane: 0.00 Deg.

- 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')
4900.00	2.03	283.83	50.00	4898.88	7.60 S	9.08 W	-7.60	11.85	230.07	0.06
4950.00	2.08	284.60	50.00	4948.85	7.16 S	10.82 W	-7.16	12.98	236.50	0.11
5000.00	2.08	265.54	50.00	4998.81	7.00 S	12.60 W	-7.00	14.42	240.94	1.38
5050.00	2.10	285.71	50.00	5048.78	6.83 S	14.39 W	-6.83	15.93	244.62	1.46
5100.00	2.13	284.78	50.00	5098.75	6.34 S	16.17 W	-6.34	17.37	248.59	0.09
5150.00	2.13	285.00	50.00	5148.71	5.86 S	17.97 W	-5.86	18.90	251.92	0.02
5200.00	2.16	284.41	50.00	5198.68	5.39 S	19.78 W	-5.39	20.50	254.76	0.07
5250.00	2.20	282.53	50.00	5248.64	4.95 S	21.63 W	-4.95	22.19	257.12	0.16
5300.00	2.18	281.96	50.00	5298.61	4.54 S	23.49 W	-4.54	23.93	259.06	0.06
5350.00	2.10	281.52	50.00	5348.57	4.16 S	25.32 W	-4.16	25.66	260.67	0.16
5400.00	2.07	281.30	50.00	5398.54	3.80 S	27.11 W	-3.80	27.37	262.02	0.06
5450.00	2.12	282.04	50.00	5448.50	3.43 S	28.90 W	-3.43	29.10	263.23	0.11
5500.00	2.07	276.95	50.00	5498.47	3.13 S	30.70 W	-3.13	30.86	264.18	0.39
5550.00	1.96	274.77	50.00	5548.44	2.95 S	32.44 W	-2.95	32.58	264.81	0.27
5600.00	2.01	275.90	50.00	5598.41	2.79 S	34.17 W	-2.79	34.28	265.34	0.13
5650.00	2.26	273.98	50.00	5648.38	2.63 S	36.02 W	-2.63	36.12	265.83	0.52
5700.00	2.81	272.76	50.00	5698.33	2.50 S	38.23 W	-2.50	38.31	266.26	1.11
5750.00	2.94	275.88	50.00	5748.26	2.31 S	40.73 W	-2.31	40.80	266.75	0.41
5800.00	3.38	280.79	50.00	5798.19	1.90 S	43.46 W	-1.90	43.50	267.49	1.03
5850.00	3.56	285.37	50.00	5848.10	1.22 S	46.40 W	-1.22	46.42	268.50	0.66
5900.00	3.80	290.43	50.00	5897.99	0.23 S	49.45 W	-0.23	49.45	269.74	0.81
5950.00	3.87	291.70	50.00	5947.88	0.97 N	52.57 W	0.97	52.58	271.06	0.22
6000.00	4.15	308.46	50.00	5997.76	2.72 N	55.55 W	2.72	55.62	272.81	2.40
6050.00	4.27	319.51	50.00	6047.63	5.27 N	58.18 W	5.27	58.42	275.17	1.64
6100.00	4.20	327.45	50.00	6097.49	8.22 N	60.37 W	8.22	60.93	277.76	1.18
6150.00	3.92	330.08	50.00	6147.36	11.25 N	62.21 W	11.25	63.22	280.25	0.67
6200.00	3.58	333.57	50.00	6197.26	14.13 N	63.76 W	14.13	65.31	282.49	0.82
6250.00	3.20	336.71	50.00	6247.17	16.81 N	65.01 W	16.81	67.14	284.50	0.85
6300.00	3.06	338.64	50.00	6297.10	19.33 N	66.04 W	19.33	68.81	286.32	0.35
6350.00	3.02	342.94	50.00	6347.02	21.83 N	66.92 W	21.83	70.39	288.07	0.46
6400.00	3.05	351.51	50.00	6396.95	24.41 N	67.50 W	24.41	71.78	289.88	0.91
6450.00	3.10	358.64	50.00	6446.88	27.08 N	67.73 W	27.08	72.94	291.79	0.77
6500.00	3.27	5.45	50.00	6496.81	29.85 N	67.62 W	29.85	73.92	293.82	0.83

Survey Ref: Well Head Closure Ref: Well Head Vert Sect Ref: Well Head
Tue Oct 27 1998 12:09:47 File: YATES.DAT

Page 3