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Inrun Survey
YATES PETROLEUM

Well number : ZINNIA UNIT FEDERAL

Date : 15-JAN-95

Measured Depth	Vertical Depth	Vert. Section	Inc Deg	Azimuth Deg	Coordinates Latitude	Departure	D-leg /100ft
3900.0	3897.60	45.5	0.77	36.33	45.47	96.47	0.04
4000.0	3997.59	46.4	0.58	35.78	46.42	97.16	0.19
4100.0	4097.59	47.2	0.56	32.85	47.24	97.72	0.03
4200.0	4197.58	47.9	0.39	45.27	47.89	98.23	0.20
4300.0	4297.58	48.3	0.35	54.82	48.31	98.72	0.07
4400.0	4397.58	48.6	0.30	60.38	48.61	99.20	0.06
4500.0	4497.58	48.9	0.36	65.72	48.87	99.71	0.07
4600.0	4597.57	49.0	0.31	90.69	49.00	100.27	0.15
4700.0	4697.57	49.1	0.42	65.25	49.15	100.87	0.19
4800.0	4797.57	49.4	0.48	74.82	49.41	101.61	0.10
4900.0	4897.56	50.0	0.97	59.45	49.95	102.74	0.52
5000.0	4997.54	50.9	1.10	55.45	50.91	104.27	0.14
5100.0	5097.52	51.9	1.17	60.23	51.95	105.95	0.10
5200.0	5197.50	52.8	1.19	68.56	52.83	107.81	0.17
5300.0	5297.48	53.5	1.08	70.71	53.52	109.66	0.12
5400.0	5397.47	54.0	0.99	80.29	53.98	111.41	0.19
5500.0	5497.45	54.2	0.95	85.75	54.19	113.08	0.10
5600.0	5597.44	54.1	0.78	102.64	54.10	114.57	0.30
5700.0	5697.43	53.5	0.71	132.44	53.53	115.70	0.39
5800.0	5797.43	52.7	0.64	132.46	52.74	116.56	0.07
5900.0	5897.42	51.9	0.64	149.52	51.88	117.26	0.19
6000.0	5997.41	50.9	0.58	164.29	50.91	117.68	0.17
6053.0	6050.41	50.4	0.49	162.06	50.44	117.82	0.18

At Bottom Hole Location: Measured Depth	Horiz. Displ.	Closure Dir.
= 6053.0	= 128.165	= 66.825