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YATES PETROLEUM COMPANY
ZIA "2S" FEDERAL COM NO. 1
WT-QQ11S

MAY 30 '90 PAGE 4
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MEASURED INCL. HOLE COURSE VERTICAL SECTION N/S FOOT E/W FEET DEGS. DISTANCE DIRECTION DOG-LEG SEVERITY
DEPTH ANGLE DEGS. FEET FEET FEET FEET FEET FEET DOG/100FT

7061.00	25.50	S	10.00	E	93.00	6929.10	673.90	667.12	S	138.21	E	601.29	S	11.70	E	1.62
7155.00	25.00	S	04.00	E	94.00	7014.11	713.89	706.90	S	143.09	E	721.24	S	11.44	E	2.77
7248.00	25.25	S	01.00	E	93.00	7098.32	753.37	746.35	S	144.81	E	760.27	S	10.90	E	1.40
7341.00	24.00	S	02.00	E	93.00	7182.86	792.11	785.60	S	145.83	E	798.51	S	10.52	E	1.42
7435.00	25.00	S	03.00	W	94.00	7268.39	830.99	824.05	S	145.49	E	836.79	S	10.01	E	2.45
7520.00	25.25	S	05.00	W	93.00	7352.59	870.16	863.44	S	142.73	E	875.16	S	09.39	E	.95
7621.00	26.50	S	04.00	W	93.00	7436.27	910.37	903.90	S	139.55	E	914.61	S	08.70	E	1.42
7714.00	28.25	S	03.00	W	93.00	7518.85	952.83	946.58	S	136.94	E	956.43	S	08.23	E	1.95
7808.00	29.50	S	02.00	W	94.00	7601.16	998.00	991.93	S	134.96	E	1001.07	S	07.75	E	1.43
7901.00	29.00	S	02.00	W	93.00	7682.30	1043.25	1037.34	S	133.37	E	1045.88	S	07.33	E	.54
7994.00	27.00	S	00.00	E	93.00	7764.41	1086.78	1080.99	S	132.61	E	1089.09	S	06.99	E	2.38
8088.00	25.50	S	00.00	E	94.00	7848.72	1128.29	1122.57	S	132.61	E	1130.37	S	06.74	E	1.60
8181.00	24.75	S	01.00	E	93.00	7932.92	1167.73	1162.05	S	132.95	E	1169.63	S	06.53	E	.93
8274.00	23.50	S	04.00	E	93.00	8017.79	1205.73	1200.02	S	134.61	E	1207.55	S	06.40	E	1.88
8367.00	24.00	S	04.00	E	93.00	8102.92	1243.19	1237.38	S	137.22	E	1244.97	S	06.33	E	.54
8461.00	25.25	S	06.00	E	94.00	8188.36	1282.33	1276.40	S	140.64	E	1284.13	S	06.29	E	1.60
8554.00	26.50	S	06.00	E	93.00	8272.04	1322.87	1316.76	S	144.88	E	1324.71	S	06.28	E	1.34
8647.00	27.00	S	06.00	E	93.00	8355.09	1364.68	1358.39	S	149.26	E	1366.57	S	06.27	E	.54
8741.00	27.00	S	08.00	E	94.00	8438.84	1407.26	1400.75	S	154.46	E	1409.24	S	06.29	E	.97
8834.00	27.25	S	10.00	E	93.00	8521.61	1449.45	1442.63	S	161.09	E	1451.59	S	06.37	E	1.02
8927.00	27.25	S	11.00	E	93.00	8604.29	1491.69	1484.49	S	160.85	E	1494.07	S	06.49	E	.49
9021.00	27.25	S	12.00	E	94.00	8687.86	1534.29	1526.67	S	177.43	E	1536.95	S	06.63	E	.49
9114.00	27.75	S	11.00	E	93.00	8770.35	1576.79	1568.75	S	185.99	E	1579.74	S	06.76	E	.73
9207.00	28.00	S	12.00	E	93.00	8852.56	1619.82	1611.36	S	194.66	E	1623.07	S	06.89	E	.57
9300.00	28.50	S	12.00	E	93.00	8934.48	1663.33	1654.41	S	203.81	E	1666.92	S	07.02	E	.54