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YATES PETROLEUM COMPANY
ZIA "ZS" FEDERAL COM NO. 1
WF-QQ11S

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OFFICE

MEASURED INCL. HOLE DEPTH ANGLE DEGS. DISTANCE DIRECTION DOG-LEG SEVERITY

MEASURED	INCL.	HOLE	DEPTH	ANGLE	DEGS.	COURSE	LENGTH	VERTICAL	SECTION	FEET	N/S	FEET	E/W	FEET	DIRECTION	DOG-LEG	SEVERITY
11266.00	17.00	S	04.00	W		10.00	10711.69	2462.92	2446.40	S	350.73	E	2472.64	S	08.34	E	.27
11358.00	18.25	S	04.00	W		92.00	10799.37	2490.55	2474.27	S	356.79	E	2499.86	S	08.21	E	1.36
11452.00	19.25	S	06.00	W		94.00	10880.38	2520.45	2504.37	S	354.16	E	2529.20	S	08.05	E	1.26
11494.00	19.69	S	06.00	W		42.00	10927.97	2534.27	2518.29	S	352.69	E	2542.87	S	07.97	E	1.05
11547.00	20.25	S	06.00	W		53.00	10977.79	2552.14	2536.29	S	350.80	E	2560.44	S	07.87	E	1.05
11642.00	20.25	S	03.00	W		95.00	11066.92	2584.71	2569.07	S	348.22	E	2592.56	S	07.72	E	1.09
11736.00	19.00	S	09.00	W		94.00	11155.45	2615.86	2600.45	S	344.92	E	2623.23	S	07.56	E	2.52
11830.00	18.50	S	09.00	W		94.00	11244.46	2645.38	2630.29	S	340.20	E	2652.20	S	07.37	E	.53
11925.00	18.75	S	08.00	W		95.00	11334.49	2675.09	2660.30	S	335.71	E	2681.40	S	07.19	E	.43
12020.00	19.25	S	08.00	W		95.00	11424.31	2705.42	2690.93	S	331.41	E	2711.26	S	07.02	E	.53
12115.00	19.25	S	07.00	W		93.00	11514.00	2736.19	2721.98	S	327.32	E	2741.59	S	06.86	E	.35
12154.00	19.25	S	07.00	W		39.00	11550.82	2748.84	2734.74	S	325.75	E	2754.08	S	06.79	E	0.00
12210.00	19.25	S	07.00	W		56.00	11603.69	2767.01	2753.07	S	323.50	E	2772.01	S	06.70	E	0.00
12304.00	19.00	S	07.00	W		94.00	11692.50	2797.31	2783.64	S	319.75	E	2801.94	S	06.55	E	.27
12397.00	10.75	S	07.00	W		93.00	11780.50	2826.92	2813.50	S	316.00	E	2831.20	S	06.41	E	.27
12409.00	18.75	S	06.02	W		92.00	11867.62	2856.06	2842.88	S	312.73	E	2860.03	S	06.28	E	.34
12491.00	18.75	S	06.00	W		2.00	11869.51	2856.70	2843.52	S	312.66	E	2860.66	S	06.27	E	.34
12585.00	19.25	S	06.00	W		94.00	11958.39	2886.90	2873.95	S	309.46	E	2890.57	S	06.15	E	.53
12631.00	19.49	S	06.48	W		46.00	12001.79	2901.95	2889.12	S	307.81	E	2905.47	S	06.08	E	.63
12681.00	19.75	S	07.00	W		50.00	12048.08	2918.48	2905.79	S	305.84	E	2921.84	S	06.01	E	.63
12743.00	19.75	S	06.00	W		62.00	12107.24	2939.13	2926.61	S	303.46	E	2942.30	S	05.92	E	.55
12785.00	19.75	S	06.00	W		42.00	12146.77	2953.14	2940.72	S	301.90	E	2956.19	S	05.86	E	0.00

CLOSURE DISTANCE = 2956.19 FEET.
CLOSURE DIRECTION = S 05.86 E

STATION AT 12785'WD IS PROJECTED