

YATES PETROLEUM COMPANY

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21A-2S FEDERAL COH NO. 1

14:27:45

WT-QQ11S

09/01/01

MEASURED INCL. HOLE DIRECTION COURSE VERTICAL DEPTH SECTION RECORDS C L O S U R E DOG-LEG
 DEPTH ANGLE DECS. DECS. FEET FEET FEET E/W FEET DECS. DOG/100FT

11265.00	17.00	S 04.00 W	18.00	10711.69	2462.92	2446.40 S	358.73 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	10880.30	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 07.53 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	95.00	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	18.75	S 07.00 W	93.00	11780.50	2826.92	2813.50 S	316.00 E	2831.20	S 06.41 E	.27
12489.00	19.75	S 06.02 W	92.00	11867.62	2856.06	2842.88 S	312.73 E	2860.03	S 06.20 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	12048.00	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

STATION AT 12785'WD IS PROJECTED

CLOSURE DISTANCE = 2956.19 FEET.

CLOSURE DIRECTION = S-05.86-E