PENNZOIL COMPANY
SIMMONS ESTATE WELL NO.1
WT-HH13S

13:22:46
88/01/23

MEASURED DEPTH FEET	INCL. ANGLE DEGS.	HOLE DIRECTION DEGS.	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	RECTANGULAR COORDINATES N/S feet	RECTANGULAR COORDINATES E/W	CLOSURE DISTANCE FEET	CLOSURE DIRECTION DEGS.	DOG-LEG SEVERITY DG/100FT
0.00	0.00	* * * * * *	0.00	0.00	0.00 N	0.00 E	0.00'	N 00.00 E	0.00
100.00	.90	N 28.00 E	100.00	100.00	.69 N	.37 E	.79'	N 28.00 E	.90
200.00	.90	N 55.00 E	100.00	199.98	1.86 N	1.40 E	2.33'	N 36.98 E	.42
300.00	.60	N 69.00 E	100.00	299.97	2.47 N	2.55 E	3.55'	N 45.92 E	.35
400.00	.80	S 71.00 E	100.00	399.97	2.49 N	3.75 E	4.50'	N 56.38 E	.51
500.00	.90	S 74.00 E	100.00	499.96	2.05 N	5.16 E	5.56'	N 68.38 E	.11
600.00	.70	S 84.00 E	100.00	599.95	1.78 N	6.53 E	6.77'	N 74.75 E	.24
700.00	.50	S 87.00 E	100.00	699.94	1.70 N	7.58 E	7.77'	N 77.36 E	.20
800.00	.80	S 72.00 E	100.00	799.93	1.49 N	8.69 E	8.82'	N 80.25 E	.34
900.00	.80	S 73.00 E	100.00	899.92	1.07 N	10.02 E	10.08'	N 83.89 E	.01
1000.00	.60	S 83.00 E	100.00	999.92	.82 N	11.21 E	11.24'	N 85.82 E	.23
1100.00	.40	N 74.00 E	100.00	1099.91	.89 N	12.08 E	12.11'	N 85.80 E	.28
1200.00	.40	S 78.00 E	100.00	1199.91	.91 N	12.77 E	12.80'	N 85.92 E	.19
1300.00	.50	S 77.00 E	100.00	1299.91	.74 N	13.54 E	13.56'	N 86.87 E	.10
1400.00	.60	S 83.00 E	100.00	1399.90	.57 N	14.48 E	14.49'	N 87.73 E	.12
1500.00	.40	S 86.00 E	100.00	1499.90	.49 N	15.35 E	15.36'	N 88.17 E	.20
1600.00	.50	N 67.00 E	100.00	1599.90	.62 N	16.12 E	16.13'	N 87.80 E	.23
1700.00	.50	N 50.00 E	100.00	1699.89	1.07 N	16.86 E	16.89'	N 86.36 E	.15
1800.00	.60	N 29.00 E	100.00	1799.89	1.81 N	17.47 E	17.56'	N 84.08 E	.22
1900.00	.20	N 29.00 W	100.00	1899.89	2.48 N	17.47 E	17.64'	N 81.92 E	.52
2000.00	.30	N 59.00 W	100.00	1999.88	2.79 N	17.17 E	17.39'	N 80.77 E	.16
2100.00	.20	N 59.00 W	100.00	2099.88	3.01 N	16.79 E	17.06'	N 79.82 E	.10
2200.00	.40	N 19.00 W	100.00	2199.88	3.41 N	16.47 E	16.82'	N 78.29 E	.28
2300.00	.70	N 15.00 W	100.00	2299.88	4.33 N	16.19 E	16.76'	N 75.02 E	.30
2400.00	.90	N 05.00 W	100.00	2399.87	5.70 N	15.95 E	16.94'	N 70.32 E	.24