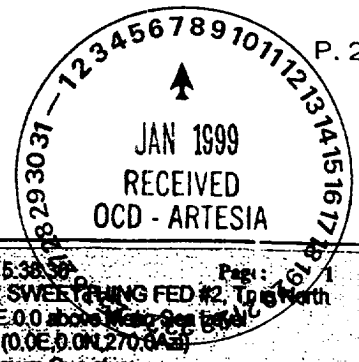


DIG Drilling Systems DIG Survey Report



Company: STEVENS & TULL, INC.	Date: 09/14/90	Time: 15:38:59	Page: 1
Field: EDDY COUNTY, NEW MEXICO	Co-ordinate (NE) Reference:	Site: SWEETTING FED #2, Top of North	
Site: SWEETTING FED #2	Vertical (TVD) Reference:	SITE 0.0 above Mean Sea Level	
Well: SWEETTING FED #2	Section (VS) Reference:	Slot (0.0E, 0.0N, 270.8AS)	
Wellpath: DIG SRG GYRO 0-1800	Survey Calculation Method:	Minimum Curvature	

Annotation

MD ft	TVD ft

Survey

MD ft	Incl deg	Azlm deg	TVD ft	N/S ft	E/W ft	VS ft	DLS d/100ft	ChD ft	ChA deg
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.0	0.00
100.0	0.40	316.21	100.0	0.3	-0.2	0.2	0.40	0.3	316.21
200.0	0.35	297.61	200.0	0.6	-0.8	0.8	0.13	1.0	310.58
300.0	0.43	281.62	300.0	0.9	-1.4	1.4	0.13	1.6	301.79
400.0	0.44	282.82	400.0	1.0	-2.1	2.1	0.01	2.4	295.62
500.0	0.45	251.78	500.0	1.0	-2.9	2.9	0.24	3.0	288.89
600.0	0.75	262.23	600.0	0.8	-3.9	3.9	0.32	4.0	281.23
700.0	0.77	277.04	700.0	0.8	-5.2	5.2	0.20	5.3	278.98
800.0	1.43	245.60	800.0	0.3	-7.0	7.0	0.87	7.0	272.73
900.0	1.44	262.87	899.9	-0.3	-9.4	9.4	0.43	9.4	267.95
1000.0	1.27	255.28	999.9	-0.8	-11.7	11.7	0.25	11.7	266.22
1100.0	1.00	265.91	1099.9	-1.1	-13.7	13.7	0.34	13.7	265.32
1200.0	1.19	262.52	1199.9	-1.3	-15.6	15.6	0.20	15.6	265.17
1300.0	1.15	262.00	1299.8	-1.6	-17.6	17.6	0.04	17.7	264.83
1528.0	1.00	246.00	1527.8	-2.7	-21.7	21.7	0.15	21.8	262.85
1718.0	1.50	260.00	1717.8	-3.8	-25.6	25.6	0.31	25.9	261.52
1909.0	1.00	271.00	1908.7	-4.2	-29.8	29.8	0.29	30.1	261.91
2098.0	1.25	276.00	2097.7	-4.0	-33.5	33.5	0.14	33.7	263.21
2288.0	1.25	274.00	2287.6	-3.6	-37.6	37.6	0.02	37.8	264.49
2509.0	1.25	272.00	2508.6	-3.4	-42.4	42.4	0.02	42.5	265.45
2698.0	1.75	282.00	2697.5	-2.7	-47.3	47.3	0.30	47.4	266.73
2888.0	1.25	283.00	2887.4	-1.6	-52.1	52.1	0.26	52.2	268.21
3077.0	1.25	269.00	3076.4	-1.2	-58.2	58.2	0.16	58.2	268.77
3266.0	1.50	293.00	3265.3	-0.3	-60.6	60.6	0.33	60.6	269.74
3487.0	1.75	293.00	3486.3	2.2	-66.3	66.3	0.11	66.4	271.88
3707.0	2.00	298.00	3706.1	5.3	-72.8	72.8	0.14	73.0	274.16
4180.0	1.25	330.00	4179.0	13.6	-82.7	82.7	0.24	83.8	279.37
4401.0	1.75	317.00	4399.9	18.2	-86.2	86.2	0.27	88.1	281.92
4623.0	1.50	257.00	4621.8	20.0	-91.3	91.3	0.74	93.5	282.36
4843.0	1.50	255.00	4841.7	18.6	-96.9	96.9	0.02	98.7	280.88
5096.0	2.25	255.00	5094.6	16.5	-104.9	104.9	0.30	106.2	278.93
5348.0	2.00	258.00	5346.4	14.3	-114.0	114.0	0.11	114.9	277.14
5588.0	1.75	292.00	5566.3	14.7	-120.9	120.9	0.51	121.8	276.96
5789.0	1.50	307.00	5787.2	17.8	-126.3	126.3	0.22	127.5	278.00
6231.0	1.50	305.00	6229.1	24.6	-135.7	135.7	0.01	137.9	280.26
6483.0	2.50	253.00	6480.9	24.8	-143.6	143.6	0.78	145.7	279.81
6736.0	3.00	261.00	6733.6	22.2	-155.4	155.4	0.25	157.0	278.12
6984.0	3.50	273.00	6961.3	21.6	-168.3	168.3	0.37	169.7	277.32
7043.0	3.50	252.70	7040.1	21.0	-173.0	173.0	1.56	174.3	278.93
7136.0	3.50	233.80	7133.0	18.5	-178.0	178.0	1.24	178.9	275.94
7230.0	4.30	219.90	7226.7	14.1	-182.6	182.6	1.31	183.1	274.42
7309.0	5.10	217.50	7305.5	9.0	-186.6	186.6	1.04	186.8	272.78
7418.0	4.40	243.70	7414.1	3.4	-193.3	193.3	2.07	193.3	270.99
7497.0	3.20	245.10	7492.9	1.1	-198.0	198.0	1.52	198.0	270.31
7577.0	2.40	277.60	7572.8	0.4	-201.7	201.7	2.18	201.7	270.10
7667.0	0.60	331.80	7662.8	1.0	-203.8	203.8	2.34	203.8	270.29
7731.0	1.00	128.10	7726.8	1.0	-203.5	203.5	2.45	203.5	270.28
7794.0	2.30	138.40	7789.8	-0.3	-202.2	202.2	2.11	202.2	269.91