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* SCHLUMBERGER *

DIRECTIONAL

SURVEY

U-8543 DIRECTIONAL SURVEY

INTEGRATION PROGRAM FOR 6050

DAVID FASKIN

WEST ATOKA MORROW FIELD

VANDIVER 7 NO. 1

EDDY COUNTY, NEW MEXICO

RUN NUMBER ONE

OCTOBER 24, 1973

START DEPTH OF SURVEY IS CASING AT 1304 FT

* DEPTH	DRIFT	AZM	H.D.	TRUE DEPTH	X	Y	SUMX	SUMY *
* 1304	2.6	111	.00	1304.00	.00	.00	.00	,00 *
* 1320	2.6	111	.73	1319.98	.68	-.26	.68	-,26 *
* 1330	2.5	113	.44	1329.97	.40	-.17	1.08	-,43 *
* 1340	2.3	114	.40	1339.97	.37	-.16	1.45	-,59 *
* 1350	2.7	110	.47	1349.95	.44	-.16	1.89	-,75 *
* 1360	2.6	110	.45	1359.94	.43	-.16	2.31	-,91 *
* 1370	2.8	107	.49	1369.93	.47	-.14	2.78	-1.05 *
* 1380	2.7	88	.47	1379.92	.47	-.02	3.25	-1.04 *
* 1390	2.6	94	.45	1389.91	.45	-.03	3.71	-1.07 *
* 1400	2.5	99	.44	1399.90	.43	-.07	4.14	-1.14 *
* 1410	2.5	99	.44	1409.89	.43	-.07	4.57	-1.20 *
* 1420	2.5	110	.44	1419.88	.41	-.15	4.98	-1.35 *
* 1430	2.4	111	.42	1429.87	.39	-.15	5.37	-1.50 *
* 1440	2.3	108	.40	1439.87	.38	-.12	5.75	-1.63 *
* 1450	2.3	112	.40	1449.86	.37	-.15	6.12	-1.78 *
* 1460	2.4	111	.42	1459.85	.39	-.15	6.51	-1.93 *
* 1470	2.2	114	.38	1469.84	.35	-.16	6.86	-2.08 *
* 1480	2.5	110	.44	1479.83	.41	-.15	7.27	-2.23 *
* 1490	2.4	106	.42	1489.82	.40	-.12	7.68	-2.35 *
* 1500	2.5	102	.44	1499.81	.43	-.09	8.10	-2.44 *
* 1510	2.5	101	.44	1509.80	.43	-.08	8.53	-2.52 *
* 1520	2.5	92	.44	1519.79	.44	-.02	8.97	-2.54 *
* 1530	2.5	97	.44	1529.79	.43	-.05	9.40	-2.59 *
* 1540	2.5	86	.44	1539.78	.44	-.03	9.83	-2.56 *
* 1550	2.4	95	.42	1549.77	.42	-.04	10.25	-2.60 *
* 1560	2.5	94	.44	1559.76	.44	-.03	10.69	-2.63 *
* 1570	2.4	101	.42	1569.75	.41	-.08	11.10	-2.71 *
* 1580	2.4	102	.42	1579.74	.41	-.09	11.51	-2.79 *
* 1590	2.3	101	.40	1589.73	.39	-.08	11.90	-2.87 *
* 1600	2.2	107	.38	1599.72	.37	-.11	12.27	-2.98 *
* 1610	2.2	103	.38	1609.72	.37	-.09	12.64	-3.07 *
* 1620	2.2	112	.38	1619.71	.36	-.14	13.00	-3.21 *
* 1630	2.2	108	.38	1629.70	.37	-.12	13.36	-3.33 *
* 1640	2.0	107	.35	1639.70	.33	-.10	13.70	-3.43 *
* 1650	2.1	105	.37	1649.69	.35	-.09	14.05	-3.53 *
* 1660	2.2	111	.38	1659.68	.36	-.14	14.41	-3.67 *
* 1670	2.3	111	.40	1669.67	.37	-.14	14.78	-3.81 *
* 1680	2.2	114	.38	1679.67	.35	-.16	15.13	-3.97 *
* 1690	2.1	109	.37	1689.66	.35	-.12	15.48	-4.09 *
* 1700	2.5	104	.44	1699.65	.42	-.11	15.90	-4.19 *
* 1710	2.5	96	.44	1709.64	.43	-.05	16.34	-4.24 *
* 1720	2.4	90	.42	1719.63	.42	-.00	16.76	-4.24 *
* 1730	2.3	97	.40	1729.62	.40	-.05	17.16	-4.29 *
* 1740	2.3	87	.40	1739.62	.40	-.02	17.56	-4.27 *
* 1750	2.4	96	.42	1749.61	.42	-.04	17.97	-4.31 *

DEPTH	DRIFT	AZM	H.D.	TRUE DEPTH	X	Y	SUMX	SUMY
1760	2.2	101	.38	1759.60	.38	-.07	18.35	-4.38 *
1770	2.3	111	.40	1769.59	.37	-.14	18.72	-4.53 *
1790	2.0	103	.70	1789.58	.68	-.16	19.40	-4.68 *
1800	2.1	107	.37	1799.57	.35	-.11	19.75	-4.79 *
1810	1.9	115	.33	1809.57	.30	-.14	20.06	-4.93 *
1820	2.1	115	.37	1819.56	.33	-.15	20.39	-5.09 *
1830	2.2	115	.38	1829.55	.35	-.16	20.74	-5.25 *
1840	2.1	116	.37	1839.55	.33	-.16	21.06	-5.41 *
1850	2.3	115	.40	1849.54	.36	-.17	21.43	-5.58 *
1860	2.3	114	.40	1859.53	.37	-.16	21.79	-5.74 *
1870	2.3	110	.40	1869.52	.38	-.14	22.17	-5.88 *
1880	2.3	105	.40	1879.51	.39	-.10	22.56	-5.98 *
1890	2.4	105	.42	1889.51	.40	-.11	22.96	-6.09 *
1900	2.5	99	.44	1899.50	.43	-.07	23.39	-6.16 *
1910	2.5	95	.44	1909.49	.43	-.04	23.83	-6.20 *
1920	2.4	98	.42	1919.48	.41	-.06	24.24	-6.25 *
1930	2.3	106	.40	1929.47	.39	-.11	24.63	-6.37 *
1940	2.1	108	.37	1939.46	.35	-.11	24.98	-6.48 *
1950	2.0	114	.35	1949.46	.32	-.14	25.30	-6.62 *
1960	2.0	105	.35	1959.45	.34	-.09	25.63	-6.71 *
1970	2.1	111	.37	1969.44	.34	-.13	25.98	-6.84 *
1980	2.2	110	.38	1979.44	.36	-.13	26.34	-6.97 *
1990	2.1	117	.37	1989.43	.33	-.17	26.66	-7.14 *
2000	2.2	118	.38	1999.42	.34	-.18	27.00	-7.32 *
2010	2.3	113	.40	2009.41	.37	-.16	27.37	-7.48 *
2020	2.3	122	.40	2019.41	.34	-.21	27.71	-7.69 *
2030	2.2	119	.38	2029.40	.34	-.19	28.05	-7.88 *
2040	2.3	119	.40	2039.39	.35	-.19	28.40	-8.07 *
2050	2.4	117	.42	2049.38	.37	-.19	28.77	-8.26 *
2060	2.5	114	.44	2059.37	.40	-.18	29.17	-8.44 *
2070	2.5	108	.44	2069.36	.41	-.13	29.59	-8.57 *
2080	2.6	106	.45	2079.35	.44	-.13	30.02	-8.70 *
2090	2.5	104	.44	2089.34	.42	-.11	30.44	-8.80 *
2100	2.3	106	.46	2099.34	.39	-.11	30.83	-8.91 *
2110	2.4	103	.42	2109.33	.41	-.09	31.24	-9.01 *
2120	2.3	109	.40	2119.32	.38	-.13	31.62	-9.14 *
2130	2.2	117	.38	2129.31	.34	-.17	31.96	-9.31 *
2140	2.1	115	.37	2139.30	.33	-.15	32.29	-9.47 *
2150	1.9	114	.33	2149.30	.30	-.13	32.60	-9.60 *
2160	2.0	113	.35	2159.29	.32	-.14	32.92	-9.74 *
2170	2.0	120	.35	2169.29	.30	-.17	33.22	-9.91 *
2180	1.9	114	.33	2179.28	.30	-.13	33.52	-10.05 *
2200	2.1	115	.73	2199.27	.66	-.31	34.19	-10.36 *
2210	2.3	118	.40	2209.26	.35	-.19	34.54	-10.55 *
2220	2.3	119	.40	2219.25	.35	-.19	34.89	-10.74 *

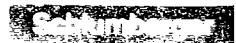
	DEPTH	DRIFT	AZM	H,D,	TRUE DEPTH	X	Y	SUMX	SUMY
*	2230	2.5	112	.44	2229.24	.40	-.16	35.30	-10.90 *
*	2240	2.5	107	.44	2239.23	.42	-.13	35.71	-11.03 *
*	2250	2.5	95	.44	2249.22	.43	-.04	36.15	-11.07 *
*	2260	2.5	98	.44	2259.21	.43	-.06	36.58	-11.13 *
*	2270	2.5	104	.44	2269.20	.42	-.11	37.00	-11.24 *
*	2280	2.4	100	.42	2279.20	.41	-.07	37.41	-11.31 *
*	2290	2.3	106	.40	2289.19	.39	-.11	37.80	-11.42 *
*	2300	2.3	108	.40	2299.18	.38	-.12	38.18	-11.54 *
*	2310	2.3	106	.40	2309.17	.39	-.11	38.57	-11.65 *
*	2320	2.2	106	.38	2319.16	.37	-.11	38.94	-11.76 *
*	2330	2.1	114	.37	2329.16	.33	-.15	39.27	-11.91 *
*	2340	2.1	114	.37	2339.15	.33	-.15	39.61	-12.06 *
*	2350	2.1	114	.37	2349.14	.33	-.15	39.94	-12.21 *
*	2360	2.1	116	.37	2359.14	.33	-.16	40.27	-12.37 *
*	2380	1.9	114	.66	2379.13	.61	-.27	40.88	-12.64 *
*	2390	1.9	115	.33	2389.12	.30	-.14	41.18	-12.78 *
*	2400	1.9	120	.33	2399.12	.29	-.17	41.46	-12.94 *
*	2410	1.8	120	.31	2409.11	.27	-.16	41.74	-13.10 *
*	2420	1.7	119	.30	2419.11	.26	-.14	42.00	-13.24 *
*	2430	1.9	119	.53	2429.10	.29	-.16	42.29	-13.40 *
*	2440	1.7	122	.30	2439.10	.25	-.16	42.54	-13.56 *
*	2450	1.9	119	.33	2449.09	.29	-.16	42.83	-13.72 *
*	2460	1.8	121	.31	2459.09	.27	-.16	43.10	-13.88 *
*	2470	1.9	123	.33	2469.08	.28	-.18	43.37	-14.07 *
*	2480	2.1	126	.37	2479.07	.30	-.22	43.67	-14.28 *
*	2490	2.0	123	.35	2489.07	.29	-.19	43.96	-14.47 *
*	2500	2.1	123	.37	2499.06	.31	-.20	44.27	-14.67 *
*	2510	2.1	123	.37	2509.05	.31	-.20	44.58	-14.87 *
*	2520	2.2	117	.38	2519.05	.34	-.17	44.92	-15.04 *
*	2530	2.3	110	.40	2529.04	.38	-.14	45.30	-15.18 *
*	2540	2.2	105	.38	2539.03	.37	-.18	45.67	-15.28 *
*	2550	2.2	106	.38	2549.02	.37	-.11	46.04	-15.39 *
*	2560	2.2	112	.38	2559.02	.36	-.14	46.39	-15.53 *
*	2570	2.1	108	.37	2569.01	.35	-.11	46.74	-15.64 *
*	2580	2.1	114	.37	2579.00	.33	-.15	47.08	-15.79 *
*	2590	2.0	115	.35	2589.00	.32	-.15	47.39	-15.94 *
*	2600	2.0	114	.35	2598.99	.32	-.14	47.71	-16.08 *
*	2610	2.0	111	.35	2608.98	.33	-.13	48.04	-16.21 *
*	2620	2.0	111	.35	2618.98	.33	-.13	48.36	-16.33 *
*	2630	2.0	120	.35	2628.97	.30	-.17	48.67	-16.51 *
*	2640	1.9	113	.33	2638.97	.31	-.13	48.97	-16.64 *
*	2650	1.9	117	.33	2648.96	.30	-.15	49.27	-16.79 *
*	2660	1.8	116	.31	2658.96	.28	-.14	49.55	-16.92 *
*	2670	1.7	114	.30	2668.95	.27	-.12	49.82	-17.05 *
*	2680	1.4	122	.24	2678.95	.21	-.13	50.03	-17.17 *

★	DEPTH	DRIFT	AZM	H.D.	TRUE DEPTH	X	Y	SUMX	SUMY	★
★	2690	1.7	122	.30	2688.94	.25	-.16	50.28	-17.33	★
★	2700	1.7	123	.30	2698.94	.25	-.16	50.53	-17.49	★
★	2710	1.7	123	.30	2708.94	.25	-.16	50.78	-17.66	★
★	2720	1.8	120	.31	2718.93	.27	-.16	51.05	-17.81	★
★	2730	1.9	114	.33	2728.93	.30	-.13	51.35	-17.95	★
★	2740	1.9	113	.33	2738.92	.31	-.13	51.66	-18.08	★
★	2750	1.9	105	.33	2748.91	.32	-.09	51.98	-18.16	★
★	2760	2.0	99	.35	2758.91	.34	-.05	52.32	-18.22	★
★	2770	1.8	97	.31	2768.90	.31	-.04	52.63	-18.26	★
★	2780	1.7	101	.30	2778.89	.29	-.06	52.92	-18.31	★
★	2790	1.7	109	.30	2788.89	.28	-.10	53.20	-18.41	★
★	2800	1.6	108	.28	2798.89	.27	-.09	53.47	-18.49	★
★	2810	1.5	105	.26	2808.89	.25	-.07	53.72	-18.56	★
★	2820	1.5	110	.26	2818.88	.25	-.09	53.97	-18.65	★
★	2830	1.3	118	.23	2828.88	.28	-.11	54.17	-18.76	★
★	2840	1.4	115	.24	2838.88	.22	-.10	54.39	-18.86	★
★	2850	1.5	122	.26	2848.87	.22	-.14	54.61	-19.00	★
★	2860	1.5	124	.26	2858.87	.22	-.15	54.83	-19.15	★
★	2870	1.6	123	.28	2868.87	.23	-.15	55.06	-19.30	★
★	2880	1.7	122	.30	2878.86	.25	-.16	55.31	-19.46	★
★	2890	1.9	115	.33	2888.86	.30	-.14	55.62	-19.60	★
★	2900	1.9	111	.33	2898.85	.31	-.12	55.92	-19.71	★
★	2910	1.8	110	.31	2908.85	.30	-.11	56.22	-19.82	★
★	2920	1.9	102	.33	2918.84	.32	-.07	56.54	-19.89	★
★	2930	1.9	97	.33	2928.84	.33	-.04	56.87	-19.93	★
★	2940	1.9	104	.33	2938.83	.32	-.08	57.20	-20.01	★
★	2950	1.7	96	.30	2948.83	.30	-.03	57.49	-20.04	★
★	2960	1.8	97	.31	2958.82	.31	-.04	57.80	-20.08	★
★	2970	1.6	101	.28	2968.82	.27	-.05	58.08	-20.13	★
★	2980	1.6	108	.28	2978.81	.27	-.09	58.34	-20.22	★
★	2990	1.5	106	.26	2988.81	.25	-.07	58.59	-20.29	★
★	3000	1.4	114	.24	2998.81	.22	-.10	58.82	-20.39	★
★	3010	1.3	110	.23	3008.80	.21	-.08	59.03	-20.47	★
★	3020	1.2	121	.21	3018.80	.18	-.11	59.21	-20.58	★
★	3030	1.3	125	.23	3028.80	.19	-.13	59.40	-20.71	★
★	3040	1.3	125	.23	3038.80	.19	-.13	59.58	-20.84	★
★	3050	1.5	124	.26	3048.79	.22	-.15	59.80	-20.98	★
★	3060	1.5	121	.26	3058.79	.22	-.13	60.02	-21.12	★
★	3070	1.7	114	.30	3068.79	.27	-.12	60.29	-21.24	★
★	3080	1.9	109	.33	3078.78	.31	-.11	60.61	-21.35	★
★	3090	1.8	100	.31	3088.78	.31	-.05	60.92	-21.40	★
★	3100	1.9	103	.33	3098.77	.32	-.07	61.24	-21.48	★
★	3110	1.9	98	.33	3108.76	.33	-.05	61.57	-21.52	★
★	3120	1.7	108	.30	3118.76	.28	-.09	61.85	-21.61	★
★	3130	1.7	114	.30	3128.76	.27	-.12	62.12	-21.74	★

*	DEPTH	DRIFT	AZM	H.D.	TRUE DEPTH	X	Y	SUMX	SUMY	*
*	3150	1.5	113	.52	3148.75	.48	-.20	62.60	-21.94	*
*	3160	1.4	117	.24	3158.75	.22	-.11	62.82	-22.05	*
*	3170	1.4	123	.24	3168.74	.20	-.13	63.03	-22.18	*
*	3180	1.3	124	.23	3178.74	.19	-.13	63.21	-22.31	*
*	3190	1.5	121	.26	3188.74	.22	-.13	63.44	-22.45	*
*	3200	1.6	119	.28	3198.73	.24	-.14	63.68	-22.58	*
*	3210	1.7	114	.30	3208.73	.27	-.12	63.95	-22.70	*
*	3220	1.9	111	.33	3218.72	.31	-.12	64.26	-22.82	*
*	3230	1.9	105	.33	3228.72	.32	-.09	64.58	-22.91	*
*	3240	1.9	103	.33	3238.71	.32	-.07	64.91	-22.98	*
*	3250	1.9	104	.33	3248.71	.32	-.08	65.23	-23.06	*
*	3260	1.7	102	.30	3258.70	.29	-.06	65.52	-23.12	*
*	3270	1.7	114	.30	3268.70	.27	-.12	65.79	-23.24	*
*	3280	1.6	117	.28	3278.69	.25	-.13	66.04	-23.37	*
*	3290	1.6	121	.28	3288.69	.24	-.14	66.28	-23.51	*
*	3300	1.5	126	.26	3298.69	.21	-.15	66.49	-23.67	*
*	3310	1.7	125	.30	3308.68	.24	-.17	66.73	-23.84	*
*	3320	1.7	126	.30	3318.68	.24	-.17	66.97	-24.01	*
*	3330	1.8	126	.31	3328.67	.25	-.18	67.23	-24.20	*
*	3340	1.8	117	.31	3338.67	.28	-.14	67.51	-24.34	*
*	3350	1.9	114	.33	3348.66	.30	-.13	67.81	-24.47	*
*	3360	1.9	108	.33	3358.66	.32	-.10	68.12	-24.58	*
*	3370	1.9	96	.33	3368.65	.33	-.03	68.45	-24.61	*
*	3380	1.9	106	.33	3378.65	.32	-.09	68.77	-24.70	*
*	3390	1.8	115	.31	3388.64	.28	-.13	69.06	-24.84	*
*	3400	1.8	107	.31	3398.64	.30	-.09	69.36	-24.93	*
*	3410	1.8	110	.31	3408.63	.30	-.11	69.65	-25.04	*
*	3420	1.8	110	.51	3418.63	.30	-.11	69.95	-25.14	*
*	3430	1.8	112	.31	3428.62	.29	-.12	70.24	-25.26	*
*	3440	1.9	114	.33	3438.62	.30	-.13	70.54	-25.40	*
*	3450	1.7	114	.30	3448.61	.27	-.12	70.81	-25.52	*
*	3460	1.8	112	.31	3458.61	.29	-.12	71.10	-25.63	*
*	3470	1.8	125	.31	3468.60	.26	-.18	71.36	-25.81	*
*	3480	1.8	118	.31	3478.60	.28	-.15	71.64	-25.96	*
*	3490	1.7	123	.30	3488.59	.25	-.16	71.89	-26.12	*
*	3500	1.7	123	.30	3498.59	.25	-.16	72.14	-26.28	*
*	3510	1.5	123	.26	3508.58	.22	-.14	72.36	-26.43	*
*	3520	1.5	124	.23	3518.58	.19	-.13	72.54	-26.55	*
*	3530	1.5	124	.26	3528.58	.22	-.15	72.76	-26.70	*
*	3540	1.5	126	.26	3538.57	.21	-.15	72.97	-26.85	*
*	3550	1.5	130	.26	3548.57	.20	-.17	73.17	-27.02	*
*	3560	1.7	124	.30	3558.57	.25	-.17	73.42	-27.19	*
*	3570	1.8	124	.31	3568.56	.26	-.18	73.68	-27.36	*
*	3580	1.9	117	.33	3578.56	.30	-.15	73.97	-27.51	*
*	3590	1.9	112	.33	3588.55	.31	-.12	74.28	-27.64	*

*	DEPTH	DRIFT	AZM	H.D.	TRUE DEPTH	X	Y	SUMX	SUMY	*
*	3600	1.9	107	.33	3598.55	.32	-.10	74.60	-27.74	*
*	3610	1.7	107	.30	3608.54	.28	-.09	74.88	-27.82	*
*	3620	1.7	111	.30	3618.54	.28	-.11	75.16	-27.93	*
*	3630	1.8	109	.31	3628.53	.30	-.10	75.46	-28.03	*
*	3640	1.7	108	.30	3638.53	.28	-.09	75.74	-28.12	*
*	3650	1.5	120	.26	3648.52	.23	-.13	75.97	-28.25	*
*	3660	1.2	123	.21	3658.52	.18	-.11	76.14	-28.37	*
*	3670	1.2	125	.21	3668.52	.17	-.12	76.31	-28.49	*
*	3680	1.3	128	.23	3678.52	.18	-.14	76.49	-28.63	*
*	3690	1.2	130	.21	3688.51	.16	-.13	76.65	-28.76	*
*	3700	1.3	133	.23	3698.51	.17	-.15	76.82	-28.92	*
*	3710	1.2	135	.21	3708.51	.15	-.15	76.97	-29.06	*
*	3720	1.3	130	.23	3718.51	.17	-.15	77.14	-29.21	*
*	3730	1.4	127	.24	3728.50	.20	-.15	77.34	-29.36	*
*	3740	1.5	120	.26	3738.50	.23	-.13	77.56	-29.49	*
*	3750	1.5	115	.26	3748.50	.24	-.11	77.80	-29.60	*
*	3760	1.4	114	.24	3758.49	.22	-.10	78.02	-29.70	*
*	3770	1.3	111	.23	3768.49	.21	-.08	78.23	-29.78	*
*	3780	1.3	115	.23	3778.49	.21	-.10	78.44	-29.88	*
*	3790	1.3	108	.23	3788.49	.22	-.07	78.66	-29.95	*
*	3800	1.4	120	.24	3798.48	.21	-.12	78.87	-30.07	*
*	3810	1.1	122	.19	3808.48	.16	-.10	79.03	-30.17	*
*	3820	.9	125	.16	3818.48	.13	-.09	79.16	-30.26	*
*	3830	.9	136	.16	3828.48	.11	-.11	79.27	-30.37	*
*	3840	1.1	135	.19	3838.48	.14	-.14	79.40	-30.51	*
*	3850	1.2	136	.21	3848.48	.15	-.15	79.55	-30.66	*
*	3860	1.4	132	.24	3858.47	.18	-.16	79.73	-30.82	*
*	3870	1.5	128	.26	3868.47	.21	-.16	79.94	-30.98	*
*	3880	1.5	122	.26	3878.47	.22	-.14	80.16	-31.12	*
*	3890	1.5	114	.26	3888.46	.24	-.11	80.40	-31.23	*
*	3910	1.4	115	.49	3908.46	.44	-.21	80.84	-31.44	*
*	3920	1.4	110	.24	3918.45	.23	-.08	81.07	-31.52	*
*	3930	1.3	101	.23	3928.45	.22	-.04	81.29	-31.56	*
*	3940	1.4	101	.24	3938.45	.24	-.05	81.53	-31.61	*
*	3950	1.3	102	.23	3948.45	.22	-.05	81.75	-31.66	*
*	3960	1.1	107	.19	3958.44	.18	-.06	81.94	-31.71	*
*	3970	1.2	105	.21	3968.44	.20	-.05	82.14	-31.77	*
*	3980	.9	119	.16	3978.44	.14	-.08	82.28	-31.84	*
*	3990	1.1	123	.19	3988.44	.16	-.10	82.44	-31.95	*
*	4000	1.1	124	.19	3998.44	.16	-.11	82.60	-32.05	*
*	4010	1.0	129	.17	4008.43	.14	-.11	82.73	-32.16	*
*	4020	1.1	122	.19	4018.43	.16	-.10	82.90	-32.27	*
*	4030	1.4	121	.24	4028.43	.21	-.13	83.11	-32.39	*
*	4040	1.2	119	.21	4038.43	.18	-.10	83.29	-32.49	*
*	4050	1.2	114	.21	4048.43	.19	-.09	83.48	-32.58	*

*	DEPTH	DRIFT	AZM	H.O.	TRUE DEPTH	X	Y	SUMX	SUMY	*
*	4060	1.3	106	.25	4058.42	.22	-.06	83.70	-32.64	*
*	4070	1.5	145	.26	4068.42	.26	-.06	83.95	-32.70	*
*	4080	1.5	97	.26	4078.42	.26	-.03	84.21	-32.73	*
*	4090	1.5	93	.26	4088.41	.26	-.01	84.47	-32.75	*
*	4100	1.5	97	.26	4098.41	.26	-.03	84.73	-32.78	*
*	4110	1.5	101	.26	4108.41	.26	-.05	84.99	-32.83	*
*	4120	1.4	107	.24	4118.40	.23	-.07	85.23	-32.90	*
*	4130	1.1	103	.19	4128.40	.19	-.04	85.41	-32.94	*
*	4140	1.1	107	.19	4138.40	.18	-.06	85.60	-33.00	*
*	4150	1.0	112	.17	4148.40	.16	-.07	85.76	-33.06	*
*	4160	1.3	115	.23	4158.40	.21	-.10	85.96	-33.16	*
*	4170	1.3	114	.25	4168.39	.21	-.09	86.17	-33.25	*
*	4180	1.4	115	.24	4178.39	.22	-.10	86.34	-33.35	*
*	4190	1.6	115	.28	4188.39	.25	-.12	86.65	-33.47	*
*	4200	1.6	114	.28	4198.38	.26	-.11	86.90	-33.59	*
*	4210	1.6	105	.31	4208.38	.30	-.08	87.20	-33.67	*
*	4220	1.8	90	.31	4218.37	.31	-.00	87.52	-33.67	*
*	4230	1.7	97	.30	4228.37	.29	-.04	87.81	-33.70	*
*	4240	1.7	100	.30	4238.36	.29	-.05	88.10	-33.76	*
*	4250	1.6	102	.28	4248.36	.27	-.06	88.38	-33.81	*
*	4260	1.5	116	.26	4258.36	.24	-.11	88.61	-33.93	*
*	4270	1.3	113	.23	4268.35	.21	-.09	88.82	-34.02	*
*	4280	1.4	108	.24	4278.35	.23	-.08	89.05	-34.09	*
*	4290	1.5	115	.26	4288.35	.24	-.11	89.29	-34.20	*
*	4300	1.3	124	.23	4298.34	.19	-.13	89.48	-34.33	*
*	4310	1.4	123	.24	4308.34	.20	-.13	89.68	-34.46	*
*	4320	1.5	123	.26	4318.34	.22	-.14	89.90	-34.61	*
*	4330	1.6	120	.28	4328.33	.24	-.14	90.15	-34.74	*
*	4340	1.7	123	.30	4338.33	.25	-.16	90.39	-34.91	*
*	4350	1.5	118	.23	4348.33	.20	-.11	90.59	-35.01	*
*	4360	1.6	104	.28	4358.32	.27	-.07	90.87	-35.08	*
*	4370	1.9	100	.33	4368.32	.33	-.06	91.19	-35.14	*
*	4380	1.7	105	.30	4378.31	.29	-.08	91.48	-35.21	*
*	4390	1.6	108	.28	4388.31	.27	-.09	91.74	-35.30	*
*	4400	1.3	106	.23	4398.31	.22	-.06	91.96	-35.36	*
*	4410	1.3	117	.23	4408.30	.20	-.10	92.16	-35.47	*
*	4420	1.2	115	.21	4418.30	.19	-.09	92.35	-35.56	*
*	4430	1.2	152	.21	4428.30	.16	-.14	92.51	-35.70	*
*	4440	1.0	121	.17	4438.30	.15	-.09	92.66	-35.79	*
*	4450	1.2	129	.21	4448.30	.16	-.13	92.82	-35.92	*
*	4460	1.2	144	.21	4458.29	.12	-.17	92.95	-36.09	*
*	4470	1.3	133	.23	4468.29	.17	-.15	93.11	-36.24	*
*	4480	1.5	132	.52	4488.28	.39	-.35	93.50	-36.59	*
*	4500	1.6	125	.28	4498.28	.23	-.16	93.73	-36.75	*
*	4510	1.5	112	.26	4508.28	.24	-.10	93.97	-36.85	*



DEPTH	DRIFT	AZH	H.D.	TRUE DEPTH	X	Y	SUMX	SUMY
4520	1.5	109	.26	4518.27	.25	-.09	94.22	-36.94
4530	1.6	112	.28	4528.27	.26	-.10	94.48	-37.04
4540	1.5	107	.26	4538.27	.25	-.08	94.73	-37.12
4550	1.5	106	.23	4548.26	.22	-.06	94.95	-37.18
4560	1.5	110	.26	4558.26	.25	-.09	95.19	-37.27
4570	1.1	115	.19	4568.26	.17	-.08	95.37	-37.35
4580	1.0	109	.17	4578.26	.17	-.06	95.53	-37.41
4590	1.0	115	.17	4588.26	.16	-.07	95.69	-37.48
4600	.9	121	.16	4598.25	.13	-.08	95.82	-37.56
4610	1.1	118	.19	4608.25	.17	-.09	95.99	-37.65
4620	1.1	124	.19	4618.25	.16	-.11	96.15	-37.76
4630	1.3	128	.23	4628.25	.18	-.14	96.33	-37.90
4640	1.6	116	.26	4638.24	.25	-.12	96.58	-38.02
4650	1.5	105	.26	4648.24	.25	-.07	96.84	-38.09
4660	1.5	99	.26	4658.24	.26	-.04	97.09	-38.13
4670	1.4	101	.24	4668.23	.24	-.05	97.33	-38.18
4680	1.5	101	.26	4678.23	.26	-.05	97.59	-38.23
4690	1.6	104	.28	4688.23	.27	-.07	97.86	-38.29
4700	1.6	112	.28	4698.22	.26	-.10	98.12	-38.40
4710	1.3	108	.23	4708.22	.22	-.07	98.34	-38.47
4720	1.3	113	.23	4718.22	.21	-.09	98.55	-38.56
4730	1.3	122	.23	4728.22	.19	-.12	98.74	-38.68
4740	1.3	121	.23	4738.21	.19	-.12	98.93	-38.79
4750	1.4	126	.24	4748.21	.20	-.14	99.13	-38.94
4760	1.5	132	.26	4758.21	.19	-.18	99.32	-39.11
4770	1.6	129	.28	4768.20	.22	-.18	99.54	-39.29
4780	1.8	124	.31	4778.20	.26	-.18	99.80	-39.46
4790	1.7	117	.30	4788.19	.26	-.13	100.07	-39.60
4800	1.9	113	.33	4798.19	.31	-.13	100.37	-39.73
4810	1.8	104	.31	4808.18	.30	-.08	100.68	-39.80
4820	1.7	103	.30	4818.18	.29	-.07	100.97	-39.87
4830	1.8	109	.31	4828.17	.30	-.10	101.26	-39.97
4840	1.7	105	.30	4838.17	.29	-.08	101.55	-40.05
4850	1.7	110	.30	4848.16	.28	-.10	101.83	-40.15
4860	1.7	109	.30	4858.16	.28	-.10	102.11	-40.25
4870	1.7	120	.30	4868.16	.26	-.15	102.36	-40.40
4880	1.7	117	.30	4878.15	.26	-.13	102.63	-40.53
4890	1.4	120	.24	4888.15	.21	-.12	102.84	-40.65
4900	1.5	122	.26	4898.14	.22	-.14	103.06	-40.79
4910	1.5	123	.26	4908.14	.22	-.14	103.28	-40.93
4920	1.6	120	.28	4918.14	.24	-.14	103.52	-41.07
4930	1.5	124	.26	4928.13	.22	-.15	103.74	-41.22
4940	1.3	125	.23	4938.13	.19	-.13	103.93	-41.35
4950	1.7	132	.30	4948.13	.22	-.20	104.15	-41.55
4960	1.7	133	.30	4958.12	.22	-.20	104.36	-41.75

DEPTH	DRIFT	AZM	H.D.	TRUE DEPTH	X	Y	SUMX	SUMY
4970	1.9	131	.33	4968.12	.25	-.22	104.61	-41.97
4980	1.7	132	.30	4978.11	.22	-.20	104.84	-42.17
4990	2.1	119	.37	4988.11	.32	-.18	105.16	-42.34
5000	2.0	110	.35	4998.10	.33	-.12	105.48	-42.46
5010	2.0	104	.35	5008.09	.34	-.08	105.82	-42.55
5020	1.9	105	.33	5018.09	.32	-.09	106.14	-42.63
5030	1.9	101	.33	5028.08	.33	-.06	106.47	-42.70
5040	1.8	106	.31	5038.08	.30	-.09	106.77	-42.78
5050	1.8	113	.31	5048.07	.29	-.12	107.06	-42.91
5060	1.7	117	.30	5058.07	.26	-.13	107.32	-43.04
5070	1.6	107	.28	5068.06	.27	-.08	107.59	-43.12
5080	1.5	113	.26	5078.06	.24	-.10	107.83	-43.23
5090	1.5	116	.26	5088.06	.24	-.11	108.07	-43.34
5100	1.6	124	.28	5098.05	.23	-.16	108.30	-43.50
5110	1.7	121	.30	5108.05	.25	-.15	108.55	-43.65
5120	1.9	132	.33	5118.04	.25	-.22	108.84	-43.87
5130	2.0	130	.35	5128.04	.27	-.22	109.07	-44.10
5140	1.9	129	.33	5138.03	.26	-.21	109.32	-44.30
5150	2.1	118	.37	5148.03	.32	-.17	109.65	-44.48
5160	2.0	112	.35	5158.02	.32	-.13	109.97	-44.61
5170	2.1	115	.37	5168.01	.33	-.15	110.30	-44.76
5180	2.0	109	.35	5178.01	.33	-.11	110.63	-44.88
5190	1.7	112	.30	5188.00	.28	-.11	110.91	-44.99
5200	1.8	116	.31	5198.00	.28	-.14	111.19	-45.12
5210	1.9	120	.33	5207.99	.29	-.17	111.48	-45.29
5220	1.8	118	.31	5217.99	.28	-.15	111.75	-45.44
5230	1.7	121	.30	5227.98	.25	-.15	112.01	-45.59
5240	1.8	117	.31	5237.98	.28	-.14	112.29	-45.73
5250	1.7	114	.30	5247.97	.27	-.12	112.56	-45.85
5260	1.7	117	.30	5257.97	.26	-.13	112.82	-45.99
5270	1.7	120	.30	5267.96	.26	-.15	113.08	-46.14
5280	1.7	125	.30	5277.96	.24	-.17	113.32	-46.31
5290	1.8	122	.31	5287.96	.27	-.17	113.59	-46.47
5300	2.0	122	.35	5297.95	.30	-.18	113.89	-46.66
5310	2.0	112	.35	5307.94	.32	-.13	114.21	-46.79
5320	2.2	102	.38	5317.94	.38	-.08	114.59	-46.87
5330	2.1	89	.37	5327.93	.37	-.01	114.95	-46.86
5340	2.0	88	.35	5337.92	.35	-.01	115.30	-46.85
5350	1.9	94	.33	5347.92	.33	-.02	115.63	-46.87
5360	1.8	103	.31	5357.91	.31	-.07	115.94	-46.94
5370	1.8	98	.31	5367.91	.31	-.04	116.25	-46.99
5380	1.5	101	.26	5377.90	.26	-.05	116.51	-47.04
5390	1.7	106	.30	5387.90	.29	-.08	116.79	-47.12
5400	1.8	111	.31	5397.89	.29	-.11	117.08	-47.23
5410	1.7	111	.30	5407.89	.28	-.11	117.36	-47.34

DEPTH	DRIFT	AZM	H.D.	TRUE DEPTH	X	Y	SUMX	SUMY
5420	1.9	113	.33	5417.88	.31	-.13	117.67	-47.47 *
5430	1.9	115	.33	5427.88	.30	-.14	117.97	-47.61 *
5440	2.1	112	.37	5437.87	.34	-.14	118.31	-47.75 *
5450	2.1	103	.37	5447.87	.36	-.08	118.66	-47.83 *
5460	2.1	87	.37	5457.86	.37	-.02	119.03	-47.81 *
5470	2.2	95	.38	5467.85	.38	-.03	119.41	-47.84 *
5480	2.1	90	.37	5477.85	.37	-.00	119.78	-47.84 *
5490	2.1	94	.37	5487.84	.37	-.03	120.14	-47.87 *
5500	2.0	97	.35	5497.83	.35	-.04	120.49	-47.91 *
5510	1.9	97	.33	5507.83	.33	-.04	120.82	-47.95 *
5520	2.0	99	.35	5517.82	.34	-.05	121.16	-48.00 *
5530	1.8	105	.31	5527.82	.30	-.08	121.47	-48.09 *
5540	1.7	103	.30	5537.81	.29	-.07	121.76	-48.15 *
5550	1.5	115	.26	5547.81	.24	-.11	121.99	-48.26 *
5560	1.6	114	.28	5557.80	.26	-.11	122.25	-48.38 *
5570	1.6	115	.28	5567.80	.25	-.12	122.50	-48.50 *
5580	1.8	109	.31	5577.80	.30	-.10	122.80	-48.60 *
5590	1.9	113	.33	5587.79	.31	-.13	123.10	-48.73 *
5600	1.9	101	.33	5597.78	.33	-.06	123.43	-48.79 *
5610	1.9	91	.33	5607.78	.33	-.01	123.76	-48.80 *
5620	1.6	92	.28	5617.77	.28	-.01	124.04	-48.81 *
5630	1.7	93	.30	5627.77	.30	-.02	124.34	-48.82 *
5640	1.7	93	.30	5637.77	.30	-.02	124.63	-48.84 *
5650	1.6	105	.28	5647.76	.27	-.07	124.90	-48.91 *
5660	1.4	105	.24	5657.76	.24	-.06	125.14	-48.97 *
5670	1.3	105	.23	5667.76	.22	-.06	125.36	-49.03 *
5680	1.3	116	.23	5677.75	.20	-.10	125.56	-49.13 *
5700	1.1	117	.38	5697.75	.34	-.17	125.90	-49.30 *
5710	1.2	126	.21	5707.75	.17	-.12	126.07	-49.43 *
5730	1.5	123	.52	5727.74	.44	-.29	126.51	-49.71 *
5740	1.9	121	.33	5737.74	.28	-.17	126.80	-49.88 *
5760	1.5	103	.52	5757.73	.51	-.12	127.31	-50.00 *
5770	1.5	107	.26	5767.73	.25	-.08	127.56	-50.08 *
5790	1.4	107	.49	5787.72	.47	-.14	128.02	-50.22 *
5800	1.1	123	.19	5797.72	.16	-.10	128.18	-50.33 *
5820	.9	134	.31	5817.72	.23	-.22	128.41	-50.54 *
5830	.8	135	.14	5827.71	.10	-.10	128.51	-50.64 *
5850	1.2	138	.42	5847.71	.28	-.31	128.79	-50.95 *
5860	1.2	134	.21	5857.71	.15	-.15	128.94	-51.10 *
5870	1.3	125	.23	5867.71	.19	-.13	129.13	-51.23 *
5880	1.5	111	.26	5877.70	.24	-.09	129.37	-51.32 *
5890	1.4	116	.24	5887.70	.22	-.11	129.59	-51.43 *
5900	2.0	101	.55	5897.69	.34	-.07	129.93	-51.50 *
5910	1.1	118	.19	5907.69	.17	-.09	130.10	-51.59 *
5920	.9	130	.16	5917.69	.12	-.10	130.22	-51.69 *

DEPTH	DRIFT	AZM	H.D.	TRUE DEPTH	X	Y	SUMX	SUMY
5930	.9	133	.16	5927.69	.11	-.11	130.34	-51.80
5940	.7	153	.12	5937.69	.06	-.11	130.39	-51.90
5950	.9	152	.16	5947.69	.07	-.14	130.47	-52.04
5960	.9	160	.16	5957.69	.05	-.15	130.52	-52.19
5970	1.1	151	.19	5967.68	.09	-.17	130.61	-52.36
5980	1.0	157	.17	5977.68	.07	-.16	130.68	-52.52
5990	1.0	145	.17	5987.68	.10	-.14	130.78	-52.66
6000	1.4	132	.24	5997.68	.18	-.16	130.96	-52.83
6010	1.6	127	.28	6007.67	.22	-.17	131.19	-52.99
6020	1.2	122	.21	6017.67	.18	-.11	131.36	-53.10
6030	2.1	115	.37	6027.66	.33	-.15	131.70	-53.26
6040	1.1	124	.19	6037.66	.16	-.11	131.86	-53.37
6050	.8	141	.14	6047.66	.09	-.11	131.94	-53.47
6060	.9	142	.16	6057.66	.10	-.12	132.04	-53.60
6070	.5	158	.09	6067.66	.03	-.08	132.07	-53.68
6080	.5	166	.09	6077.66	.02	-.08	132.09	-53.76
6090	.5	179	.09	6087.66	.00	-.09	132.10	-53.85
6100	.9	176	.16	6097.66	.01	-.16	132.11	-54.01
6110	1.0	164	.17	6107.66	.05	-.17	132.15	-54.18
6120	.9	194	.16	6117.66	-.04	-.15	132.12	-54.33
6130	.8	195	.14	6127.65	-.04	-.13	132.08	-54.46
6140	.8	190	.14	6137.65	-.02	-.14	132.06	-54.60
6150	.7	170	.12	6147.65	.02	-.12	132.08	-54.72
6160	1.1	172	.19	6157.65	.03	-.19	132.10	-54.91
6170	1.0	160	.17	6167.65	.06	-.16	132.16	-55.08
6180	1.1	155	.19	6177.65	.08	-.17	132.24	-55.25
6190	1.0	151	.17	6187.65	.08	-.15	132.33	-55.40
6200	1.0	143	.17	6197.64	.11	-.14	132.43	-55.54
6210	1.0	141	.17	6207.64	.11	-.14	132.54	-55.68
6220	.9	132	.16	6217.64	.12	-.11	132.66	-55.78
6230	.9	131	.16	6227.64	.12	-.10	132.78	-55.89
6240	1.1	144	.19	6237.64	.11	-.16	132.89	-56.04
6250	.6	155	.10	6247.64	.04	-.09	132.94	-56.14
6260	.5	178	.09	6257.64	.00	-.09	132.94	-56.22
6270	.4	198	.07	6267.64	-.02	-.07	132.92	-56.29
6280	.4	227	.07	6277.64	-.05	-.05	132.87	-56.34
6290	.3	217	.05	6287.64	-.03	-.04	132.84	-56.38
6300	.5	207	.09	6297.64	-.04	-.08	132.80	-56.46
6310	.7	204	.12	6307.64	-.05	-.11	132.75	-56.57
6320	.8	213	.14	6317.63	-.08	-.12	132.67	-56.68
6330	.8	184	.14	6327.63	-.01	-.14	132.66	-56.82
6340	1.0	171	.17	6337.63	.03	-.17	132.69	-57.00
6350	.7	148	.12	6347.63	.06	-.10	132.75	-57.10
6360	.7	166	.12	6357.63	.03	-.12	132.78	-57.22
6370	.7	153	.12	6367.63	.06	-.11	132.84	-57.33

DEPTH	DRIFT	AZM	H.D.	TRUE DEPTH	X	Y	SUMX	SUMY
6380	.7	151	.12	6377.63	.06	-.11	132.90	-57.45
6496	.8	187	1.62	6493.62	-.20	-1.61	132.78	-59.04
6506	1.0	193	.17	6503.62	-.04	-.17	132.66	-59.21
6516	.7	192	.12	6513.62	-.03	-.12	132.63	-59.33
6526	1.7	184	.30	6523.61	-.02	-.30	132.61	-59.63
6650	.6	233	1.30	6647.60	-1.94	-.78	131.58	-60.41
6660	.5	225	.09	6657.60	-.06	-.06	131.52	-60.47
6670	.7	210	.12	6667.60	-.06	-.11	131.45	-60.58
6680	.8	207	.14	6677.60	-.06	-.12	131.39	-60.70
6690	.8	201	.14	6687.60	-.05	-.13	131.34	-60.83
6700	.3	182	.05	6697.60	-.00	-.05	131.34	-60.88
6846	1.1	145	2.80	6843.57	1.61	-2.30	132.95	-63.18
6856	.6	135	.10	6853.57	.07	-.07	133.02	-63.25
6866	.5	113	.09	6863.57	.08	-.03	133.10	-63.29
6876	.7	100	.12	6873.57	.12	-.02	133.22	-63.31
6886	.7	106	.12	6883.57	.12	-.03	133.34	-63.34
6896	.5	126	.09	6893.57	.07	-.05	133.41	-63.39
6906	.7	131	.12	6903.57	.09	-.08	133.50	-63.47
6916	.6	140	.10	6913.57	.07	-.08	133.57	-63.55
6926	.7	159	.12	6923.57	.04	-.11	133.61	-63.67
6936	.6	162	.10	6933.57	.03	-.10	133.64	-63.77
6946	1.0	181	.17	6943.57	-.00	-.17	133.64	-63.94
6956	1.0	176	.17	6953.57	.01	-.17	133.65	-64.12
6966	1.1	163	.19	6963.56	.06	-.18	133.71	-64.30
6976	1.4	157	.24	6973.56	.10	-.22	133.81	-64.52
6986	1.3	157	.23	6983.56	.09	-.21	133.84	-64.73
6996	1.1	150	.19	6993.56	.10	-.17	133.99	-64.90
7070	.8	90	1.03	7067.55	1.03	-.00	135.02	-64.90
7080	.8	82	.14	7077.55	.14	.02	135.16	-64.88
7090	.8	80	.14	7087.55	.14	.02	135.30	-64.86
7100	1.0	79	.17	7097.55	.17	.03	135.47	-64.82
7110	.8	73	.14	7107.55	.13	.04	135.60	-64.78
7120	.7	70	.12	7117.54	.11	.04	135.72	-64.74
7130	.6	80	.10	7127.54	.10	.02	135.82	-64.72
7140	.5	69	.09	7137.54	.08	.03	135.90	-64.69
7150	.4	57	.07	7147.54	.06	.04	135.96	-64.65
7160	.1	87	.02	7157.54	.02	.00	135.98	-64.65
7170	.9	87	.16	7167.54	.16	.01	136.14	-64.64
7180	.3	92	.05	7177.54	.05	-.00	136.19	-64.65
7190	.4	81	.07	7187.54	.07	.01	136.26	-64.63
7200	.3	87	.05	7197.54	.05	.00	136.31	-64.63
7210	.6	80	.10	7207.54	.10	.02	136.41	-64.61
7536	1.4	307	7.96	7533.44	-6.36	4.79	130.05	-59.82
7546	1.4	286	.24	7543.44	-.23	.07	129.82	-59.75
7556	1.3	277	.23	7553.44	-.23	.03	129.59	-59.73

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DIRECTIONAL SURVEY

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TANGENTIAL METHOD

DRIFT DISTANCE= 130.02 FEET
AZIMUTH OF DRIFT= 115 DEGREES

MEASURED DEPTH= 8864 FEET
TRUE VERTICAL DEPTH= 8861.27 FEET
SUMX= 117.44 (EAST)
SUMY= -55.81 (SOUTH)

PLOT SCALE= 20. FEET IN.

XMAX= 136.41 XMIN= .00
YMAX= .00 YMINT= -64.90

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DIRECTIONAL SURVEY

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★ DEPTH	DRIFT	AZM	H,D,	TRUE DEPTH	X	Y	SUMX	SUMY	★
★ 8454	.4	332	.07	8451.40	-.03	.06	123.65	-62.73	★
★ 8464	.6	338	.10	8461.40	-.04	.10	123.61	-62.63	★
★ 8474	.7	328	.12	8471.40	-.06	.10	123.55	-62.53	★
★ 8484	.6	314	.10	8481.40	-.08	.07	123.47	-62.46	★
★ 8494	.8	307	.14	8491.40	-.11	.08	123.36	-62.37	★
★ 8504	.8	307	.14	8501.40	-.11	.08	123.25	-62.29	★
★ 8514	.9	299	.16	8511.40	-.14	.08	123.11	-62.21	★
★ 8524	.9	288	.16	8521.40	-.15	.05	122.96	-62.16	★
★ 8534	1.0	288	.17	8531.39	-.17	.05	122.79	-62.11	★
★ 8544	1.0	298	.17	8541.39	-.15	.08	122.64	-62.03	★
★ 8554	1.0	296	.17	8551.39	-.16	.08	122.48	-61.95	★
★ 8564	1.1	300	.19	8561.39	-.17	.10	122.32	-61.86	★
★ 8574	1.1	296	.19	8571.39	-.17	.08	122.14	-61.77	★
★ 8584	1.1	293	.19	8581.39	-.18	.08	121.97	-61.70	★
★ 8594	.9	295	.16	8591.38	-.14	.07	121.83	-61.63	★
★ 8604	1.0	289	.17	8601.38	-.17	.06	121.66	-61.57	★
★ 8614	.9	306	.16	8611.38	-.13	.09	121.53	-61.48	★
★ 8624	.9	303	.16	8621.38	-.13	.09	121.40	-61.39	★
★ 8634	.9	309	.16	8631.38	-.12	.10	121.28	-61.30	★
★ 8644	.9	309	.16	8641.38	-.12	.10	121.16	-61.20	★
★ 8654	.9	304	.16	8651.38	-.13	.09	121.03	-61.11	★
★ 8664	1.0	309	.17	8661.38	-.14	.11	120.89	-61.00	★
★ 8674	1.0	319	.17	8671.37	-.11	.13	120.78	-60.87	★
★ 8684	1.2	317	.21	8681.37	-.14	.15	120.63	-60.71	★
★ 8694	1.3	316	.23	8691.37	-.16	.16	120.48	-60.55	★
★ 8704	1.5	317	.26	8701.37	-.18	.19	120.30	-60.36	★
★ 8714	1.8	322	.31	8711.36	-.19	.25	120.10	-60.11	★
★ 8724	2.0	313	.35	8721.35	-.26	.24	119.85	-59.87	★
★ 8734	2.0	311	.35	8731.35	-.26	.23	119.59	-59.65	★
★ 8744	2.0	310	.35	8741.34	-.27	.22	119.32	-59.42	★
★ 8754	2.0	313	.35	8751.34	-.26	.24	119.06	-59.18	★
★ 8764	2.0	314	.35	8761.33	-.25	.24	118.81	-58.94	★
★ 8774	1.9	323	.33	8771.32	-.20	.26	118.61	-58.68	★
★ 8784	1.9	337	.33	8781.32	-.13	.31	118.48	-58.37	★
★ 8794	1.9	332	.33	8791.31	-.16	.29	118.33	-58.08	★
★ 8804	1.8	337	.31	8801.31	-.12	.29	118.21	-57.79	★
★ 8814	1.8	336	.31	8811.30	-.13	.29	118.08	-57.50	★
★ 8824	1.8	334	.31	8821.30	-.14	.28	117.94	-57.22	★
★ 8834	2.0	335	.35	8831.29	-.15	.32	117.79	-56.90	★
★ 8844	2.2	342	.38	8841.29	-.12	.37	117.67	-56.54	★
★ 8864	2.2	342	.77	8861.27	-.24	.73	117.44	-55.81	★

*	DEPTH	DRIFT	AZM	H.D.	TRUE DEPTH	X	Y	SUMX	SUMY	*
*	7566	1.3	286	.23	7563.44	-.22	.06	129.37	-59.66	*
*	7762	.4	243	1.57	7759.43	-1.22	-.62	128.15	-60.28	*
*	7772	.4	232	.07	7769.43	-.06	-.04	128.10	-60.33	*
*	7782	.5	218	.09	7779.43	-.05	-.07	128.05	-60.40	*
*	7792	.4	203	.07	7789.43	-.03	-.06	128.02	-60.46	*
*	7802	.3	200	.05	7799.43	-.02	-.05	128.00	-60.51	*
*	7812	.6	206	.10	7809.43	-.05	-.09	127.95	-60.60	*
*	7822	.5	206	.09	7819.43	-.04	-.08	127.92	-60.68	*
*	7910	.7	256	1.08	7907.42	-1.04	-.26	126.87	-60.94	*
*	7920	.7	249	.12	7917.42	-.11	-.04	126.76	-60.99	*
*	7940	.7	249	.24	7937.42	-.23	-.09	126.53	-61.07	*
*	7950	.7	248	.12	7947.42	-.11	-.05	126.42	-61.12	*
*	7960	.6	264	.10	7957.42	-.10	-.01	126.31	-61.13	*
*	7970	.7	239	.12	7967.42	-.10	-.06	126.21	-61.19	*
*	7980	.7	235	.12	7977.42	-.10	-.07	126.11	-61.26	*
*	7990	.6	220	.10	7987.42	-.07	-.08	126.04	-61.34	*
*	8000	.6	210	.10	7997.42	-.05	-.09	125.99	-61.43	*
*	8010	.6	219	.10	8007.42	-.07	-.08	125.92	-61.52	*
*	8020	.5	230	.09	8017.42	-.07	-.06	125.86	-61.57	*
*	8194	.6	237	1.82	8191.41	-1.53	-.99	124.33	-62.56	*
*	8204	.5	238	.09	8201.41	-.07	-.05	124.25	-62.61	*
*	8214	.4	235	.07	8211.40	-.06	-.04	124.20	-62.65	*
*	8224	.3	236	.05	8221.40	-.04	-.03	124.15	-62.68	*
*	8234	.2	247	.03	8231.40	-.03	-.01	124.12	-62.69	*
*	8244	.0	0	.00	8241.40	.00	.00	124.12	-62.69	*
*	8254	.0	246	.00	8251.40	.00	.00	124.12	-62.69	*
*	8264	.0	0	.00	8261.40	.00	.00	124.12	-62.69	*
*	8274	.0	0	.00	8271.40	.00	.00	124.12	-62.69	*
*	8284	.0	0	.00	8281.40	.00	.00	124.12	-62.69	*
*	8294	.0	0	.00	8291.40	.00	.00	124.12	-62.69	*
*	8304	.0	0	.00	8301.40	.00	.00	124.12	-62.69	*
*	8314	.0	0	.00	8311.40	.00	.00	124.12	-62.69	*
*	8324	.0	0	.00	8321.40	.00	.00	124.12	-62.69	*
*	8334	.0	0	.00	8331.40	.00	.00	124.12	-62.69	*
*	8344	.0	0	.00	8341.40	.00	.00	124.12	-62.69	*
*	8354	.0	293	.00	8351.40	.00	.00	124.12	-62.69	*
*	8364	.0	0	.00	8361.40	.00	.00	124.12	-62.69	*
*	8374	.0	0	.00	8371.40	.00	.00	124.12	-62.69	*
*	8384	.0	0	.00	8381.40	.00	.00	124.12	-62.69	*
*	8394	.3	257	.05	8391.40	-.05	-.01	124.07	-62.70	*
*	8404	.7	240	.12	8401.40	-.11	-.06	123.96	-62.77	*
*	8414	.7	236	.12	8411.40	-.10	-.07	123.86	-62.83	*
*	8424	.5	251	.09	8421.40	-.08	-.03	123.78	-62.86	*
*	8434	.3	300	.05	8431.40	-.05	.03	123.74	-62.84	*
*	8444	.4	310	.07	8441.40	-.05	.04	123.68	-62.79	*