

Case No
5141

Large Exhibits



DIRECTIONAL
SURVEY

D-8543 DIRECTIONAL SURVEY INTEGRATION PROGRAM FOR 8888

DAVID FASKIN WEST ATOKA MOKROM FIELD
VANDIVER 7 NO. 1 EDDY COUNTY, NEW MEXICO
RUN NUMBER ONE OCTOBER 24, 1973

START DEPTH OF SURVEY IS CASING AT 1384 FT

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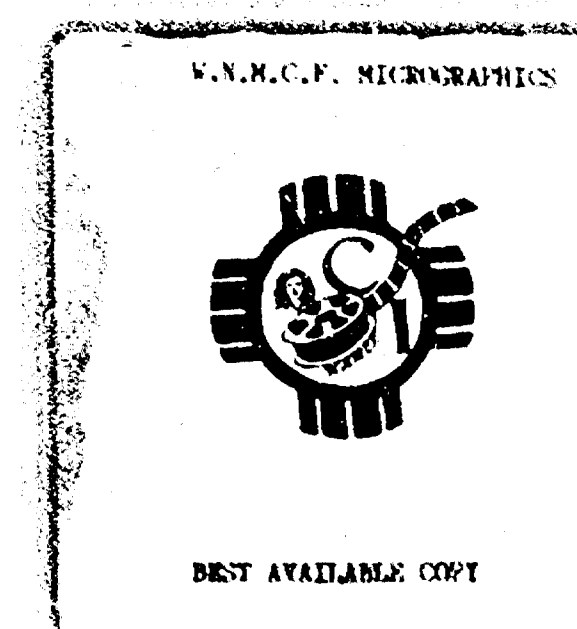
DEPTH	DRIFT	AZN	H.D.	TRUE DEPTH	X	Y	SUNX	SUNY
1304	2.6	111	.00	1304.00	.00	.00	.00	.00
1320	2.6	111	.73	1319.98	.68	-.26	.68	-.26
1336	2.5	113	.44	1329.97	.40	-.17	1.08	-.43
1352	2.3	114	.00	1339.97	.37	-.16	1.45	-.39
1368	2.7	110	.47	1349.95	.44	-.16	1.84	-.75
1384	2.6	118	.45	1359.94	.43	-.16	2.31	-.81
1399	2.0	107	.49	1369.93	.47	-.14	2.79	-1.05
1415	2.7	90	.47	1379.92	.47	.02	3.25	-1.88
1430	2.6	94	.45	1389.91	.45	-.03	3.71	-1.07
1446	2.5	90	.44	1399.90	.43	-.07	4.14	-1.14
1462	2.5	90	.44	1409.89	.43	-.07	4.57	-1.20
1477	2.5	110	.44	1419.88	.41	-.15	4.99	-1.35
1493	2.4	111	.42	1429.87	.39	-.15	5.37	-1.50
1508	2.3	100	.40	1439.87	.38	-.12	5.75	-1.63
1524	2.3	112	.40	1449.86	.37	-.13	6.12	-1.76
1539	2.4	111	.42	1459.85	.39	-.15	6.51	-1.93
1555	2.2	114	.38	1469.84	.35	-.16	6.86	-2.08
1570	2.3	110	.44	1479.83	.41	-.15	7.27	-2.23
1586	2.4	106	.42	1489.82	.40	-.12	7.60	-2.35
1601	2.5	102	.44	1499.81	.43	-.08	8.10	-2.44
1617	2.5	101	.44	1509.80	.43	-.08	8.53	-2.52
1632	2.5	92	.44	1519.79	.44	-.02	8.97	-2.64
1648	2.5	97	.44	1529.78	.43	-.05	9.40	-2.59
1663	2.5	86	.44	1539.78	.44	.03	9.83	-2.56
1679	2.4	95	.42	1549.77	.42	-.04	10.25	-2.40
1694	2.5	94	.44	1559.76	.44	-.03	10.69	-2.63
1710	2.4	101	.42	1569.75	.41	-.08	11.10	-2.71
1725	2.4	102	.42	1579.74	.41	-.09	11.51	-2.79
1741	2.5	100	.40	1589.73	.41	-.09	11.90	-2.87
1756	2.2	107	.38	1599.72	.37	-.11	12.27	-2.98
1772	2.2	103	.38	1609.72	.37	-.09	12.64	-3.07
1787	2.2	110	.44	1619.71	.36	-.14	13.00	-3.21
1803	2.2	108	.38	1629.70	.37	-.12	13.36	-3.33
1818	2.0	107	.35	1639.70	.37	-.10	13.70	-3.43
1834	2.1	105	.37	1649.69	.35	-.09	14.05	-3.53
1849	2.2	114	.38	1659.68	.36	-.14	14.41	-3.67
1865	2.3	111	.40	1669.67	.37	-.14	14.78	-3.81
1880	2.0	110	.44	1679.67	.37	-.16	15.13	-3.97
1896	2.1	109	.37	1689.66	.35	-.12	15.48	-4.09
1911	2.5	104	.44	1699.65	.42	-.11	15.90	-4.19
1927	2.5	94	.44	1709.64	.43	-.05	16.34	-4.24
1942	2.4	90	.42	1719.63	.42	-.08	16.76	-4.24
1958	2.5	97	.44	1729.62	.40	-.05	17.16	-4.28
1973	2.3	87	.40	1739.62	.40	.02	17.56	-4.27
1989	2.4	96	.42	1749.61	.42	.00	17.91	-4.23

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DEPTH	DRIFT	AZN	H.D.	TRUE DEPTH	X	Y	SUNX	SUNY
1760	2.2	101	.38	1759.68	.36	-.07	18.35	-4.36
1776	2.3	111	.40	1769.69	.37	-.14	18.72	-4.53
1790	2.0	103	.38	1779.68	.36	-.10	19.40	-4.68
1806	2.1	107	.37	1789.67	.35	-.11	19.75	-4.79
1820	1.9	115	.33	1809.67	.30	-.14	20.06	-4.93
1836	2.1	113	.37	1819.66	.33	-.15	20.34	-5.09
1850	2.2	115	.38	1829.65	.35	-.16	20.70	-5.25
1866	2.1	116	.37	1839.65	.33	-.16	21.00	-5.41
1880	2.3	115	.40	1849.64	.36	-.17	21.43	-5.58
1896	2.3	114	.40	1859.63	.37	-.16	21.79	-5.74
1911	2.3	110	.44	1869.62	.36	-.18	22.17	-5.88
1927	2.3	105	.40	1879.61	.39	-.10	22.56	-5.98
1942	2.4	105	.42	1889.61	.40	-.11	22.96	-6.09
1958	2.5	99	.44	1899.60	.43	-.07	23.39	-6.16
1973	2.5	95	.44	1909.59	.43	-.04	23.82	-6.20
1989	2.4	96	.42	1919.58	.41	-.06	24.24	-6.25
1999	2.3	100	.40	1929.57	.39	-.11	24.63	-6.37
2010	2.1	108	.37	1939.56	.35	-.11	24.98	-6.48
2020	2.0	114	.35	1949.56	.32	-.14	25.30	-6.62
2030	2.0	105	.35	1959.55	.34	-.09	25.63	-6.71
2040	2.1	111	.37	1969.54	.34	-.13	25.90	-6.84
2050	2.2	110	.38	1979.54	.35	-.13	26.20	-6.97
2060	2.1	117	.37	1989.53	.33	-.17	26.46	-7.14
2070	2.2	118	.38	1999.52	.34	-.16	27.00	-7.32
2080	2.3	113	.40	2009.51	.37	-.18	27.37	-7.48
2090	2.3	122	.40	2019.51	.34	-.21	27.71	-7.69
2100	2.4	119	.34	2029.50	.34	-.19	28.05	-7.80
2110	2.3	119	.40	2039.49	.35	-.19	28.40	-8.07
2120	2.4	117	.42	2049.48	.37	-.19	28.77	-8.26
2130	2.5	114	.44	2059.47	.40	-.18	29.17	-8.44
2140	2.5	108	.44	2069.46	.41	-.13	29.59	-8.57
2150	2.6	106	.45	2079.45	.44	-.13	30.02	-8.74
2160	2.5	104	.44	2089.44	.42	-.11	30.44	-8.88
2170	2.5	104	.44	2099.44	.41	-.11	30.83	-8.91
2180	2.4	103	.42	2109.43	.41	-.09	31.24	-9.01
2190	2.3	109	.40	2119.42	.36	-.13	31.62	-9.14
2200	2.2	117	.38	2129.41	.34	-.17	31.96	-9.31
2210	2.1	115	.37	2139.40	.33	-.15	32.29	-9.47
2220	1.9	114	.33	2149.39	.30	-.13	32.60	-9.68
2230	2.0	111	.35	2159.38	.32	-.14	32.92	-9.74
2240	2.0	108	.38	2169.37	.30	-.17	33.22	-9.91
2250	1.9	114	.33	2179.36	.30	-.13	33.52	-10.05
2260	2.1	115	.37	2189.35	.40	-.31	34.19	-10.36
2270	2.3	110	.40	2199.34	.35	-.19	34.54	-10.55
2280	2.3	119	.40	2209.33	.35	-.19	34.89	-10.74

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DEPTH	DRIFT	AZM	H.D.	TRUE DEPTH	X	Y	SUMX	SUMY
1760	2.2	101	.30	1759.00	.30	-.07	16.39	-6.36
1770	2.3	111	.40	1764.59	.37	-.14	16.74	-6.53
1780	2.4	103	.70	1769.28	.40	-.16	16.40	-6.69
1800	2.1	107	.37	1764.57	.35	-.11	16.71	-6.70
1810	1.9	119	.33	1809.27	.30	-.14	20.69	-6.43
1820	2.1	113	.37	1814.26	.33	-.15	20.39	-6.59
1830	2.2	119	.36	1829.25	.33	-.16	21.06	-6.71
1840	2.1	116	.40	1834.25	.37	-.16	21.41	-6.80
1850	2.3	115	.40	1849.23	.37	-.16	21.77	-6.94
1860	2.3	114	.60	1854.23	.36	-.16	22.17	-7.08
1870	2.3	110	.60	1869.22	.36	-.16	22.56	-7.20
1880	2.3	105	.60	1874.21	.36	-.16	22.96	-7.32
1890	2.4	105	.42	1889.21	.40	-.11	23.36	-7.44
1900	2.5	99	.44	1894.20	.43	-.08	23.76	-7.56
1910	2.5	98	.42	1909.19	.43	-.08	24.16	-7.68
1920	2.4	98	.42	1914.18	.43	-.08	24.56	-7.80
1930	2.3	100	.40	1929.17	.43	-.11	24.96	-7.92
1940	2.1	106	.37	1934.16	.43	-.11	25.36	-8.04
1950	2.1	114	.35	1949.15	.43	-.13	25.76	-8.16
1960	2.0	105	.35	1954.14	.43	-.09	26.16	-8.28
1970	2.1	111	.37	1969.13	.43	-.13	26.56	-8.40
1980	2.2	110	.30	1974.12	.43	-.13	26.96	-8.52
1990	2.1	117	.37	1989.11	.43	-.10	27.36	-8.64
2000	2.2	118	.30	1994.10	.43	-.10	27.76	-8.76
2010	2.3	113	.40	2009.09	.43	-.16	28.16	-8.88
2020	2.3	122	.40	2014.08	.43	-.21	28.56	-9.00
2030	2.2	119	.35	2029.07	.43	-.19	28.96	-9.12
2040	2.3	117	.40	2034.06	.43	-.19	29.36	-9.24
2050	2.4	117	.42	2049.05	.43	-.19	29.76	-9.36
2060	2.5	114	.40	2054.04	.43	-.13	30.16	-9.48
2070	2.5	108	.44	2069.03	.43	-.13	30.56	-9.60
2080	2.6	106	.45	2074.02	.44	-.12	30.96	-9.72
2090	2.6	104	.44	2089.01	.44	-.11	31.36	-9.84
2100	2.3	106	.40	2094.00	.43	-.11	31.76	-9.96
2110	2.4	105	.40	2109.00	.43	-.11	32.16	-10.08
2120	2.5	109	.40	2114.00	.43	-.13	32.56	-10.20
2130	2.2	117	.36	2129.00	.43	-.15	32.96	-10.32
2140	2.1	113	.37	2134.00	.43	-.15	33.36	-10.44
2150	1.9	114	.35	2149.00	.43	-.13	33.76	-10.56
2160	2.0	115	.35	2154.00	.43	-.13	34.16	-10.68
2170	2.0	120	.35	2169.00	.43	-.17	34.56	-10.80
2180	1.9	116	.35	2174.00	.43	-.17	34.96	-10.92
2190	2.1	115	.73	2189.00	.46	-.31	35.36	-11.04
2200	2.1	111	.40	2194.00	.46	-.27	35.76	-11.16
2210	2.3	110	.40	2209.00	.46	-.27	36.16	-11.28
2220	2.3	110	.40	2214.00	.46	-.27	36.56	-11.40

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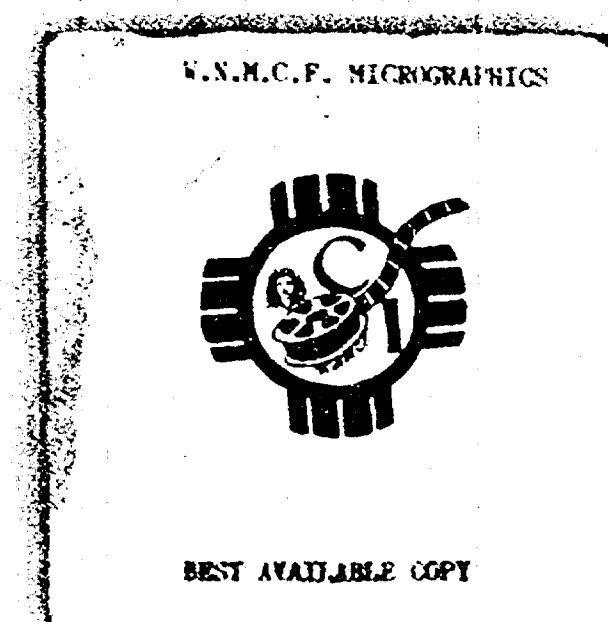
DEPTH	DRIFT	AZM	H.D.	TRUE DEPTH	X	Y	SUMX	SUMY
2230	2.5	112	.44	2229.24	.48	-.16	35.96	-11.52
2240	2.5	107	.44	2234.23	.42	-.13	36.36	-11.64
2250	2.5	95	.44	2249.22	.43	-.06	36.76	-11.76
2260	2.5	98	.44	2254.21	.43	-.06	37.16	-11.88
2270	2.5	104	.44	2269.20	.42	-.11	37.56	-12.00
2280	2.4	100	.42	2274.19	.42	-.07	37.96	-12.12
2290	2.3	106	.40	2289.18	.39	-.11	38.36	-12.24
2300	2.3	106	.40	2294.17	.39	-.11	38.76	-12.36
2310	2.3	106	.40	2309.16	.39	-.11	39.16	-12.48
2320	2.2	106	.36	2314.15	.37	-.11	39.56	-12.60
2330	2.1	114	.37	2329.14	.35	-.15	39.96	-12.72
2340	2.1	114	.37	2334.13	.35	-.15	40.36	-12.84
2350	2.1	114	.37	2349.12	.35	-.15	40.76	-12.96
2360	2.1	116	.37	2354.11	.35	-.16	41.16	-13.08
2370	1.9	118	.36	2369.10	.34	-.17	41.56	-13.20
2380	1.9	120	.35	2374.09	.34	-.17	41.96	-13.32
2390	1.9	120	.35	2389.08	.34	-.17	42.36	-13.44
2400	1.7	122	.36	2394.07	.30	-.22	42.76	-13.56
2410	1.7	119	.30	2409.06	.26	-.14	43.16	-13.68
2420	1.7	119	.30	2414.05	.26	-.14	43.56	-13.80
2430	1.7	122	.36	2429.04	.26	-.16	43.96	-13.92
2440	1.7	122	.36	2434.03	.26	-.16	44.36	-14.04
2450	1.9	119	.33	2449.02	.27	-.16	44.76	-14.16
2460	1.8	121	.31	2454.01	.27	-.16	45.16	-14.28
2470	1.9	123	.33	2469.00	.28	-.19	45.56	-14.40
2480	2.1	126	.37	2474.00	.30	-.22	45.96	-14.52
2490	2.0	123	.35	2489.00	.29	-.19	46.36	-14.64
2500	2.1	125	.37	2494.00	.31	-.20	46.76	-14.76
2510	2.1	123	.37	2509.00	.31	-.20	47.16	-14.88
2520	2.3	117	.40	2514.00	.30	-.14	47.56	-15.00
2530	2.3	110	.40	2529.00	.30	-.17	47.96	-15.12
2540	2.2	105	.38	2534.00	.30	-.17	48.36	-15.24
2550	2.2	106	.38	2549.00	.30	-.17	48.76	-15.36
2560	2.2	112	.38	2554.00	.30	-.17	49.16	-15.48
2570	2.1	100	.37	2569.00	.30	-.17	49.56	-15.60
2580	2.1	114	.37	2574.00	.33	-.15	49.96	-15.72
2590	2.0	114	.35	2589.00	.32	-.14	50.36	-15.84
2600	2.0	111	.35	2594.00	.32	-.14	50.76	-15.96
2610	2.0	111	.35	2609.00	.33	-.13	51.16	-16.08
2620	2.0	111	.35	2614.00	.33	-.13	51.56	-16.20
2630	2.0	120	.35	2629.00	.30	-.17	51.96	-16.32
2640	1.9	115	.33	2634.00	.30	-.17	52.36	-16.44
2650	1.9	117	.33	2649.00	.30	-.15	52.76	-16.56
2660	1.8	116	.38	2654.00	.29	-.14	53.16	-16.68
2670	1.7	116	.38	2669.00	.27	-.12	53.56	-16.80
2680	1.8	122	.28	2674.00	.21	-.13	53.96	-16.92

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DEPTH	DRIFT	AZM	H.D.	TRUE DEPTH	X	Y	SUMX	SUMY
2690	1.7	122	.30	2689.04	.25	-.16	54.36	-17.04
2700	1.7	123	.30	2694.04	.25	-.16	54.76	-17.16
2710	1.7	123	.30	2709.04	.25	-.16	55.16	-17.28
2720	1.6	120	.31	2714.03	.27	-.16	55.56	-17.40
2730	1.9	114	.33	2729.03	.30	-.13	55.96	-17.52
2740	1.9	113	.33	2734.02	.31	-.13	56.36	-17.64
2750	1.9	105	.33	2749.01	.30	-.09	56.76	-17.76
2760	1.9	105	.33	2754.01	.34	-.09	57.16	-17.88
2770	1.6	97	.31	2769.00	.31	-.04	57.56	-18.00
2780	1.7	101	.30	2774.00	.30	-.09	57.96	-18.12
2790	1.7	109	.30	2789.00	.28	-.10	58.36	-18.24
2800	1.6	108	.28	2794.00	.27	-.09	58.76	-18.36
2810	1.5	105	.26	2809.00	.25	-.07	59.16	-18.48
2820	1.5	110	.26	2814.00	.25	-.09	59.56	-18.60
2830	1.5	110	.23	2829.00	.20	-.11	59.96	-18.72
2840	1.4	115	.24	2834.00	.22	-.10	60.36	-18.84
2850	1.5	122	.26	2849.00	.22	-.10	60.76	-18.96
2860	1.5	124	.26	2854.00	.22	-.10	61.16	-19.08
2870	1.6	123	.28	2869.00	.23	-.10	61.56	-19.20
2880	1.7	122	.30	2874.00	.25	-.10	61.96	-19.32
2890	1.9	115	.33	2889.00	.25	-.12	62.36	-19.44
2900	1.9	111	.33	2894.00	.25	-.12	62.76	-19.56
2910	1.8	110	.31	2909.00	.23	-.11	63.16	-19.68
2920	1.9	102	.33	2914.00	.32	-.07	63.56	-19.80
2930	1.9	97	.33	2929.00	.30	-.04	63.96	-19.92
2940	1.9	104	.33	2934.00	.32	-.04	64.36	-20.04
2950	1.7	96	.30	2949.00	.30	-.03	64.76	-20.16
2960	1.6	97	.31	2954.00	.31	-.05	65.16	-20.28
2970	1.6	101	.28	2969.00	.27	-.05	65.56	-20.40
2980	1.6	106	.28	2974.00	.27	-.05	65.96	-20.52
2990	1.6	106	.26	2989.00	.25	-.07	66.36	-20.64
3000	1.4	114	.24	2994.00	.22	-.10	66.76	-20.76
3010	1.3	110	.21	3009.00	.18	-.11	67.16	-20.88
3020	1.3	121	.21	3014.00	.19	-.11	67.56	-21.00
3030	1.3	125	.23	3029.00	.19	-.11	67.96	-21.12
3040	1.3	125	.23	3034.00	.19	-.11	68.36	-21.24
3050	1.5	124	.26	3049.00	.22	-.11	68.76	-21.36
3060	1.7	114	.30	3054.00	.27	-.12	69.16	-21.48
3070	1.7	100	.31	3069.00	.21	-.11	69.56	-21.60
3080	1.6	100	.31	3074.00	.21	-.11	69.96	-21.72
3090	1.4	103	.33	3089.00	.27	-.07	70.36	-21.84
3100	1.4	98	.33	3094.00	.27	-.07	70.76	-21.96
3110	1.4	108	.33	3109.00	.28	-.05	71.16	-22.08
3120	1.7	108	.30	3114.00	.28	-.05	71.56	-22.20
3130	1.7	114	.30	3129.00	.27	-.12	71.96	-22.32

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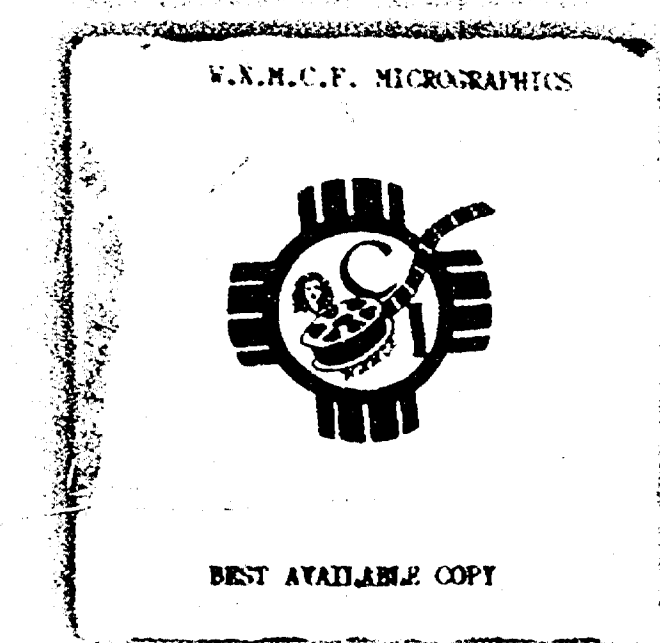
DEPTH	DRIFT	AZM	H.D.	TRUE DEPTH	X	Y	SUM	SUM
2690	1.7	102	30	2690.46	.25	-.16	50.26	-17.33
2700	1.7	103	30	2700.46	.25	-.16	50.33	-17.49
2710	1.7	103	30	2710.46	.25	-.16	50.78	-17.66
2720	1.8	104	31	2720.53	.30	-.13	51.05	-17.81
2730	1.9	104	33	2730.93	.35	-.08	51.33	-17.95
2740	1.9	105	33	2740.92	.31	-.13	51.66	-18.09
2750	1.9	105	33	2750.91	.34	-.05	52.32	-18.22
2760	1.7	101	30	2760.90	.29	-.06	52.92	-18.26
2770	1.7	100	30	2770.89	.28	-.09	53.29	-18.41
2780	1.6	100	28	2780.89	.27	-.09	53.97	-18.56
2790	1.5	100	26	2790.88	.25	-.07	54.39	-18.70
2800	1.4	110	23	2800.88	.20	-.11	54.77	-18.84
2810	1.5	108	24	2810.87	.22	-.10	55.49	-18.99
2820	1.6	108	26	2820.87	.23	-.15	56.01	-19.13
2830	1.7	108	28	2830.86	.25	-.16	56.44	-19.27
2840	1.8	110	30	2840.85	.31	-.12	56.82	-19.41
2850	1.9	111	33	2850.85	.34	-.08	57.20	-19.55
2860	1.9	111	33	2860.84	.34	-.08	57.58	-19.69
2870	1.9	111	33	2870.84	.34	-.08	57.96	-19.83
2880	1.9	111	33	2880.83	.34	-.08	58.34	-19.97
2890	1.9	111	33	2890.83	.34	-.08	58.72	-20.11
2900	1.9	111	33	2900.82	.34	-.08	59.10	-20.25
2910	1.9	111	33	2910.82	.34	-.08	59.48	-20.39
2920	1.9	111	33	2920.81	.34	-.08	59.86	-20.53
2930	1.9	111	33	2930.81	.34	-.08	60.24	-20.67
2940	1.9	111	33	2940.80	.34	-.08	60.62	-20.81
2950	1.9	111	33	2950.80	.34	-.08	61.00	-20.95
2960	1.9	111	33	2960.79	.34	-.08	61.38	-21.09
2970	1.9	111	33	2970.79	.34	-.08	61.76	-21.23
2980	1.9	111	33	2980.78	.34	-.08	62.14	-21.37
2990	1.9	111	33	2990.78	.34	-.08	62.52	-21.51
3000	1.9	111	33	3000.77	.34	-.08	62.90	-21.65
3010	1.9	111	33	3010.77	.34	-.08	63.28	-21.79
3020	1.9	111	33	3020.76	.34	-.08	63.66	-21.93
3030	1.9	111	33	3030.76	.34	-.08	64.04	-22.07
3040	1.9	111	33	3040.75	.34	-.08	64.42	-22.21
3050	1.9	111	33	3050.75	.34	-.08	64.80	-22.35
3060	1.9	111	33	3060.74	.34	-.08	65.18	-22.49
3070	1.9	111	33	3070.74	.34	-.08	65.56	-22.63
3080	1.9	111	33	3080.73	.34	-.08	65.94	-22.77
3090	1.9	111	33	3090.73	.34	-.08	66.32	-22.91
3100	1.9	111	33	3100.72	.34	-.08	66.70	-23.05
3110	1.9	111	33	3110.72	.34	-.08	67.08	-23.19
3120	1.9	111	33	3120.71	.34	-.08	67.46	-23.33
3130	1.9	111	33	3130.71	.34	-.08	67.84	-23.47

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DEPTH	DRIFT	AZM	H.D.	TRUE DEPTH	X	Y	SUM	SUM
3140	1.9	111	33	3140.70	.34	-.08	68.22	-23.61
3150	1.9	111	33	3150.70	.34	-.08	68.60	-23.75
3160	1.9	111	33	3160.69	.34	-.08	68.98	-23.89
3170	1.9	111	33	3170.69	.34	-.08	69.36	-24.03
3180	1.9	111	33	3180.68	.34	-.08	69.74	-24.17
3190	1.9	111	33	3190.68	.34	-.08	70.12	-24.31
3200	1.9	111	33	3200.67	.34	-.08	70.50	-24.45
3210	1.9	111	33	3210.67	.34	-.08	70.88	-24.59
3220	1.9	111	33	3220.66	.34	-.08	71.26	-24.73
3230	1.9	111	33	3230.66	.34	-.08	71.64	-24.87
3240	1.9	111	33	3240.65	.34	-.08	72.02	-25.01
3250	1.9	111	33	3250.65	.34	-.08	72.40	-25.15
3260	1.9	111	33	3260.64	.34	-.08	72.78	-25.29
3270	1.9	111	33	3270.64	.34	-.08	73.16	-25.43
3280	1.9	111	33	3280.63	.34	-.08	73.54	-25.57
3290	1.9	111	33	3290.63	.34	-.08	73.92	-25.71
3300	1.9	111	33	3300.62	.34	-.08	74.30	-25.85
3310	1.9	111	33	3310.62	.34	-.08	74.68	-25.99
3320	1.9	111	33	3320.61	.34	-.08	75.06	-26.13
3330	1.9	111	33	3330.61	.34	-.08	75.44	-26.27
3340	1.9	111	33	3340.60	.34	-.08	75.82	-26.41
3350	1.9	111	33	3350.60	.34	-.08	76.20	-26.55
3360	1.9	111	33	3360.59	.34	-.08	76.58	-26.69
3370	1.9	111	33	3370.59	.34	-.08	76.96	-26.83
3380	1.9	111	33	3380.58	.34	-.08	77.34	-26.97
3390	1.9	111	33	3390.58	.34	-.08	77.72	-27.11
3400	1.9	111	33	3400.57	.34	-.08	78.10	-27.25
3410	1.9	111	33	3410.57	.34	-.08	78.48	-27.39
3420	1.9	111	33	3420.56	.34	-.08	78.86	-27.53
3430	1.9	111	33	3430.56	.34	-.08	79.24	-27.67
3440	1.9	111	33	3440.55	.34	-.08	79.62	-27.81
3450	1.9	111	33	3450.55	.34	-.08	80.00	-27.95
3460	1.9	111	33	3460.54	.34	-.08	80.38	-28.09
3470	1.9	111	33	3470.54	.34	-.08	80.76	-28.23
3480	1.9	111	33	3480.53	.34	-.08	81.14	-28.37
3490	1.9	111	33	3490.53	.34	-.08	81.52	-28.51
3500	1.9	111	33	3500.52	.34	-.08	81.90	-28.65
3510	1.9	111	33	3510.52	.34	-.08	82.28	-28.79
3520	1.9	111	33	3520.51	.34	-.08	82.66	-28.93
3530	1.9	111	33	3530.51	.34	-.08	83.04	-29.07
3540	1.9	111	33	3540.50	.34	-.08	83.42	-29.21
3550	1.9	111	33	3550.50	.34	-.08	83.80	-29.35
3560	1.9	111	33	3560.49	.34	-.08	84.18	-29.49
3570	1.9	111	33	3570.49	.34	-.08	84.56	-29.63
3580	1.9	111	33	3580.48	.34	-.08	84.94	-29.77
3590	1.9	111	33	3590.48	.34	-.08	85.32	-29.91
3600	1.9	111	33	3600.47	.34	-.08	85.70	-30.05

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DEPTH	DRIFT	AZM	H.D.	TRUE DEPTH	X	Y	SUM	SUM
3610	1.9	111	33	3610.47	.34	-.08	86.08	-30.19
3620	1.9	111	33	3620.46	.34	-.08	86.46	-30.33
3630	1.9	111	33	3630.46	.34	-.08	86.84	-30.47
3640	1.9	111	33	3640.45	.34	-.08	87.22	-30.61
3650	1.9	111	33	3650.45	.34	-.08	87.60	-30.75
3660	1.9	111	33	3660.44	.34	-.08	87.98	-30.89
3670	1.9	111	33	3670.44	.34	-.08	88.36	-31.03
3680	1.9	111	33	3680.43	.34	-.08	88.74	-31.17
3690	1.9	111	33	3690.43	.34	-.08	89.12	-31.31
3700	1.9	111	33	3700.42	.34	-.08	89.50	-31.45
3710	1.9	111	33	3710.42	.34	-.08	89.88	-31.59
3720	1.9	111	33	3720.41	.34	-.08	90.26	-31.73
3730	1.9	111	33	3730.41	.34	-.08	90.64	-31.87
3740	1.9	111	33	3740.40	.34	-.08	91.02	-32.01
3750	1.9	111	33	3750.40	.34	-.08	91.40	-32.15
3760	1.9	111	33	3760.39	.34	-.08	91.78	-32.29
3770	1.9	111	33	3770.39	.34	-.08	92.16	-32.43
3780	1.9	111	33	3780.38	.34	-.08	92.54	-32.57
3790	1.9	111	33	3790.38	.34	-.08	92.92	-32.71
3800	1.9	111	33	3800.37	.34	-.08	93.30	-32.85
3810	1.9	111	33	3810.37	.34	-.08	93.68	-32.99
3820	1.9	111	33	3820.36	.34	-.08	94.06	-33.13
3830	1.9	111	33	3830.36	.34	-.08	94.44	-33.27
3840	1.9	111	33	3840.35	.34	-.08	94.82	-33.41
3850	1.9	111	33	3850.35	.34	-.08	95.20	-33.55
3860	1.9	111	33	3860.34	.34	-.08	95.58	-33.69
3870	1.9	111	33	3870.34	.34	-.08	95.96	-33.83
3880	1.9	111	33	3880.33	.34	-.08	96.34	-33.97
3890	1.9	111	33	3890.33	.34	-.08	96.72	-34.11
3900	1.9	111	33	3900.32	.34	-.08	97.10	-34.25
3910	1.9	111	33	3910.32	.34	-.08	97.48	-34.39
3920	1.9	111	33	3920.31	.34	-.08	97.86	-34.53
3930	1.9	111	33	3930.31	.34	-.08	98.24	-34.67
3940	1.9	111	33	3940.30	.34	-.08	98.62	-34.81
3950	1.9	111	33	3950.30	.34	-.08	99.00	-34.95
3960	1.9	111	33	3960.29	.34	-.08	99.38	-35.09
3970	1.9	111	33	3970.29	.34	-.08	99.76	-35.23
3980	1.9	111	33	3980.28	.34	-.08	100.14	-35.37
3990	1.9	111	33	3990.28	.34	-.08	100.52	-35.51
4000	1.9	111	33	4000.27	.34	-.08	100.90	-35.65



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DEPTH	DRIFT	AZM	H.D.	TRUE DEPTH	X	Y	SURK	SURT
3600	1.0	107	.53	3690.95	.32	-.10	74.08	-27.74
3610	1.7	107	.50	3686.54	.20	-.09	74.08	-27.82
3620	1.5	111	.50	3616.54	.20	-.11	74.14	-27.83
3630	1.0	109	.51	3624.53	.30	-.10	75.45	-28.93
3640	1.7	108	.50	3630.53	.20	-.09	75.74	-28.18
3650	1.5	120	.49	3645.52	.23	-.15	75.97	-28.25
3660	1.0	123	.48	3656.50	.19	-.11	76.14	-28.37
3670	1.5	125	.47	3665.52	.17	-.12	76.31	-28.45
3680	1.3	126	.47	3676.52	.18	-.14	76.49	-28.53
3690	1.3	129	.46	3685.51	.19	-.15	76.67	-28.61
3700	1.3	133	.45	3690.51	.17	-.15	76.82	-28.68
3710	1.4	135	.44	3700.50	.15	-.15	76.97	-28.75
3720	1.5	130	.45	3715.51	.17	-.15	77.14	-28.81
3730	1.4	127	.44	3726.50	.20	-.15	77.30	-28.86
3740	1.5	128	.46	3735.50	.20	-.15	77.46	-28.90
3750	1.3	113	.46	3740.50	.24	-.11	77.60	-28.98
3760	1.4	114	.46	3750.49	.24	-.10	77.74	-29.04
3770	1.3	111	.45	3764.49	.21	-.08	78.23	-29.78
3780	1.3	113	.45	3774.49	.21	-.10	78.44	-29.86
3790	1.3	105	.45	3784.49	.22	-.07	78.60	-29.93
3800	1.4	108	.44	3794.48	.21	-.10	78.87	-30.07
3810	1.3	106	.44	3805.48	.19	-.10	79.03	-30.17
3820	1.4	105	.44	3816.48	.17	-.09	79.15	-30.26
3830	1.4	106	.44	3826.48	.17	-.11	79.27	-30.37
3840	1.1	135	.44	3836.48	.14	-.14	79.40	-30.51
3850	1.4	136	.43	3846.48	.15	-.15	79.55	-30.65
3860	1.4	130	.43	3856.47	.15	-.16	79.73	-30.82
3870	1.5	120	.46	3866.47	.21	-.16	79.94	-30.95
3880	1.5	128	.46	3876.47	.22	-.16	80.16	-31.12
3890	1.5	114	.46	3886.46	.24	-.11	80.40	-31.23
3900	1.4	115	.46	3896.46	.24	-.08	80.64	-31.31
3910	1.4	110	.44	3906.45	.23	-.08	81.07	-31.52
3920	1.3	101	.44	3916.45	.22	-.08	81.29	-31.60
3930	1.3	101	.44	3926.45	.24	-.05	81.53	-31.61
3940	1.3	102	.43	3936.45	.22	-.05	81.75	-31.66
3950	1.3	107	.43	3946.44	.19	-.06	81.94	-31.70
3960	1.0	105	.41	3956.44	.20	-.05	82.14	-31.77
3970	1.0	119	.41	3966.44	.18	-.05	82.26	-31.80
3980	1.1	123	.40	3976.44	.16	-.10	82.44	-31.95
3990	1.1	123	.40	3986.44	.16	-.11	82.59	-32.07
4000	1.4	121	.41	3996.43	.21	-.12	83.11	-32.39
4010	1.2	119	.41	4006.43	.18	-.10	83.27	-32.49
4020	1.4	121	.41	4016.43	.21	-.09	83.48	-32.59

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DEPTH	DRIFT	AZM	H.D.	TRUE DEPTH	X	Y	SURK	SURT
4030	1.3	106	.43	4026.42	.22	-.06	83.70	-32.64
4040	1.5	103	.46	4036.42	.26	-.06	83.95	-32.74
4050	1.5	97	.46	4046.42	.26	-.03	84.21	-32.73
4060	1.5	92	.46	4056.41	.27	-.01	84.47	-32.72
4070	1.5	97	.46	4066.41	.26	-.03	84.73	-32.73
4080	1.5	101	.46	4076.41	.26	-.05	84.99	-32.83
4090	1.4	107	.45	4086.40	.23	-.07	85.23	-32.90
4100	1.1	103	.45	4096.40	.19	-.04	85.41	-32.90
4110	1.1	107	.45	4106.40	.19	-.06	85.60	-33.00
4120	1.0	110	.44	4116.40	.16	-.07	85.76	-33.06
4130	1.0	112	.44	4126.40	.16	-.07	85.90	-33.10
4140	1.3	114	.43	4136.39	.21	-.09	86.17	-33.15
4150	1.4	115	.42	4146.39	.22	-.10	86.39	-33.25
4160	1.6	115	.42	4156.39	.25	-.12	86.60	-33.47
4170	1.6	114	.42	4166.38	.26	-.11	86.80	-33.59
4180	1.6	105	.41	4176.38	.30	-.10	87.00	-33.67
4190	1.6	98	.41	4186.37	.31	-.08	87.22	-33.67
4200	1.7	97	.40	4196.36	.29	-.07	87.41	-33.70
4210	1.7	100	.40	4206.36	.29	-.05	87.60	-33.76
4220	1.6	102	.40	4216.36	.27	-.06	87.80	-33.81
4230	1.5	116	.40	4226.36	.24	-.11	88.01	-33.93
4240	1.3	113	.43	4236.35	.21	-.09	88.22	-34.02
4250	1.4	108	.44	4246.35	.23	-.08	88.40	-34.09
4260	1.5	115	.42	4256.35	.24	-.11	88.59	-34.20
4270	1.3	124	.42	4266.34	.19	-.13	88.80	-34.33
4280	1.4	123	.44	4276.34	.20	-.13	89.00	-34.40
4290	1.6	125	.43	4286.34	.22	-.14	89.20	-34.61
4300	1.6	120	.46	4296.33	.24	-.14	89.45	-34.75
4310	1.7	123	.43	4306.33	.25	-.16	89.69	-34.91
4320	1.3	118	.43	4316.33	.21	-.11	89.90	-35.00
4330	1.6	104	.46	4326.32	.27	-.07	90.07	-35.08
4340	1.5	100	.45	4336.32	.27	-.10	90.29	-35.19
4350	1.7	105	.46	4346.31	.29	-.08	91.48	-35.21
4360	1.6	106	.46	4356.31	.27	-.08	91.74	-35.30
4370	1.5	106	.45	4366.31	.22	-.09	91.96	-35.34
4380	1.3	117	.45	4376.30	.20	-.10	92.16	-35.47
4390	1.2	115	.45	4386.30	.19	-.09	92.35	-35.54
4400	1.2	132	.41	4396.30	.16	-.14	92.51	-35.70
4410	1.0	121	.41	4406.30	.15	-.09	92.68	-35.76
4420	1.2	129	.41	4416.30	.16	-.13	92.82	-35.92
4430	1.4	124	.41	4426.29	.17	-.17	92.95	-36.00
4440	1.5	123	.42	4436.29	.17	-.15	93.11	-36.25
4450	1.5	132	.42	4446.28	.19	-.15	93.30	-36.50
4460	1.6	125	.46	4456.28	.23	-.16	93.73	-36.75
4470	1.5	112	.46	4466.28	.24	-.10	93.97	-36.85

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DEPTH	DRIFT	AZM	H.D.	TRUE DEPTH	X	Y	SURK	SURT
4480	1.5	109	.46	4476.27	.25	-.09	94.22	-36.94
4490	1.6	112	.48	4486.27	.26	-.10	94.48	-37.04
4500	1.5	107	.46	4496.27	.25	-.08	94.73	-37.12
4510	1.3	106	.45	4506.26	.22	-.09	94.95	-37.18
4520	1.5	110	.46	4516.26	.25	-.09	95.19	-37.27
4530	1.3	115	.47	4526.26	.17	-.05	95.37	-37.37
4540	1.0	109	.47	4536.26	.17	-.06	95.53	-37.41
4550	1.2	115	.47	4546.25	.16	-.07	95.69	-37.45
4560	1.0	121	.46	4556.25	.13	-.08	95.82	-37.50
4570	1.1	110	.47	4566.25	.17	-.04	95.99	-37.55
4580	1.1	124	.46	4576.25	.16	-.11	96.15	-37.76
4590	1.3	126	.43	4586.25	.18	-.14	96.33	-37.90
4600	1.6	118	.48	4596.24	.25	-.12	96.58	-38.02
4610	1.5	105	.46	4606.24	.25	-.07	96.84	-38.09
4620	1.5	99	.46	4616.24	.26	-.04	97.09	-38.13
4630	1.4	101	.44	4626.23	.24	-.05	97.33	-38.10
4640	1.5	101	.46	4636.23	.26	-.05	97.59	-38.23
4650	1.5	104	.46	4646.23	.27	-.07	97.86	-38.29
4660	1.6	112	.48	4656.22	.26	-.10	98.12	-38.40
4670	1.3	108	.45	4666.22	.25	-.07	98.34	-38.47
4680	1.3	113	.45	4676.22	.21	-.09	98.55	-38.56
4690	1.3	122	.45	4686.22	.19	-.12	98.74	-38.65
4700	1.3	121	.43	4696.21	.19	-.12	98.93	-38.79
4710	1.4	124	.46	4706.21	.20	-.14	99.13	-38.94
4720	1.5	132	.46	4716.21	.19	-.16	99.32	-39.11
4730	1.6	129	.48	4726.20	.22	-.16	99.54	-39.29
4740	1.6	124	.48	4736.20	.26	-.16	99.80	-39.48
4750	1.7	117	.50	4746.19	.26	-.13	100.07	-39.60
4760	1.7	113	.51	4756.19	.21	-.13	100.27	-39.73
4770	1.6	104	.51	4766.18	.30	-.08	100.48	-39.80
4780	1.7	103	.50	4776.18	.29	-.07	100.67	-39.87
4790	1.6	109	.51	4786.17	.30	-.10	101.26	-39.97
4800	1.7	105	.50	4796.17	.29	-.08	101.55	-40.05
4810	1.7	110	.50	4806.16	.28	-.10	101.83	-40.15
4820	1.7	109	.50	4816.16	.28	-.10	102.11	-40.25
4830	1.7	126	.49	4826.16	.26	-.15	102.36	-40.40
4840	1.7	117	.50	4836.15	.26	-.13	102.63	-40.53
4850	1.6	120	.49	4846.15	.21	-.12	102.84	-40.65
4860	1.5	122	.46	4856.14	.22	-.14	103.00	-40.79
4870	1.5	123	.46	4866.14	.22	-.14	103.20	-40.93
4880	1.6	120	.48	4876.14	.24	-.15	103.32	-41.07
4890	1.5	124	.46	4886.13	.22	-.15	103.74	-41.22
4900	1.5	125	.49	4896.13	.19	-.12	103.95	-41.35
4910	1.7	132	.50	4906.13	.22	-.20	104.15	-41.55
4920	1.7	133	.50	4916.12	.22	-.20	104.36	-41.75



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DEPTH	DRIFT	AZM	H.D.	TRUE DEPTH	X	Y	SURX	SURY
4520	1.5	109	.26	4518.27	.25	-.89	94.82	-36.84
4530	1.5	112	.26	4520.27	.26	-.10	94.88	-37.04
4540	1.5	107	.26	4518.27	.25	-.06	94.73	-37.12
4550	1.5	107	.25	4518.26	.25	-.80	94.95	-37.10
4560	1.5	110	.26	4520.26	.25	-.89	95.19	-37.07
4570	1.5	113	.26	4522.26	.26	-.07	95.27	-37.25
4580	1.5	109	.17	4518.26	.17	-.80	95.53	-37.41
4590	1.5	115	.17	4522.26	.17	-.07	95.59	-37.50
4600	1.5	101	.18	4518.25	.18	-.80	95.82	-37.56
4610	1.5	110	.19	4520.25	.19	-.09	95.94	-37.65
4620	1.5	108	.19	4518.25	.19	-.11	96.13	-37.70
4630	1.5	106	.23	4520.25	.18	-.14	96.33	-37.90
4640	1.5	114	.28	4522.24	.25	-.12	96.58	-38.02
4650	1.5	105	.26	4518.24	.25	-.07	96.84	-38.09
4660	1.5	98	.26	4518.24	.25	-.04	97.09	-38.13
4670	1.5	101	.26	4520.23	.24	-.05	97.33	-38.18
4680	1.5	101	.26	4518.23	.24	-.05	97.59	-38.23
4690	1.5	104	.27	4520.23	.27	-.07	97.86	-38.29
4700	1.5	112	.26	4522.22	.26	-.10	98.12	-38.40
4710	1.5	108	.25	4518.22	.22	-.07	98.32	-38.47
4720	1.5	113	.25	4718.22	.21	-.89	98.55	-38.56
4730	1.5	120	.25	4720.22	.19	-.12	98.74	-38.60
4740	1.5	121	.25	4722.21	.19	-.12	98.93	-38.79
4750	1.5	126	.24	4728.21	.20	-.14	99.13	-38.94
4760	1.5	122	.26	4720.21	.19	-.10	99.30	-39.11
4770	1.5	129	.20	4728.20	.22	-.10	99.54	-39.29
4780	1.5	124	.31	4716.20	.26	-.10	99.80	-39.48
4790	1.5	117	.30	4728.19	.26	-.13	100.07	-39.60
4800	1.5	115	.33	4720.19	.31	-.13	100.37	-39.73
4810	1.5	104	.31	4808.18	.30	-.08	100.68	-39.80
4820	1.5	103	.30	4816.18	.29	-.07	100.97	-39.87
4830	1.5	101	.31	4820.17	.30	-.10	101.26	-39.97
4840	1.5	109	.30	4828.17	.29	-.08	101.55	-40.05
4850	1.5	110	.30	4836.16	.29	-.10	101.85	-40.15
4860	1.5	109	.30	4828.16	.28	-.10	102.11	-40.25
4870	1.5	106	.30	4820.16	.28	-.13	102.36	-40.33
4880	1.5	104	.30	4812.15	.28	-.12	102.64	-40.55
4890	1.5	117	.30	4820.15	.21	-.12	102.84	-40.55
4900	1.5	122	.26	4828.14	.22	-.14	103.08	-40.70
4910	1.5	123	.26	4908.14	.22	-.14	103.28	-40.93
4920	1.5	126	.26	4916.14	.24	-.14	103.52	-41.07
4930	1.5	124	.26	4928.13	.22	-.15	103.74	-41.22
4940	1.5	125	.23	4936.13	.19	-.13	103.93	-41.35
4950	1.5	132	.30	4948.13	.22	-.20	104.15	-41.55
4960	1.5	133	.30	4956.12	.22	-.20	104.36	-41.71

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DEPTH	DRIFT	AZM	H.D.	TRUE DEPTH	X	Y	SURX	SURY
4970	1.5	131	.33	4968.12	.25	-.20	104.61	-41.97
4980	1.5	132	.30	4976.11	.22	-.20	104.84	-42.17
4990	1.5	119	.37	4988.11	.32	-.12	105.18	-42.34
5000	1.5	110	.35	4996.10	.33	-.12	105.48	-42.46
5010	1.5	104	.35	5008.09	.36	-.08	105.82	-42.55
5020	1.5	105	.33	5016.09	.32	-.09	106.14	-42.63
5030	1.5	101	.35	5028.08	.34	-.08	106.47	-42.70
5040	1.5	106	.31	5036.08	.30	-.09	106.77	-42.78
5050	1.5	113	.31	5048.07	.29	-.12	107.08	-42.91
5060	1.5	117	.30	5056.07	.26	-.13	107.32	-43.07
5070	1.5	120	.28	5068.06	.27	-.08	107.59	-43.12
5080	1.5	123	.26	5076.06	.24	-.10	107.83	-43.25
5090	1.5	114	.26	5088.05	.24	-.11	108.07	-43.34
5100	1.5	124	.26	5096.05	.23	-.10	108.30	-43.50
5110	1.5	121	.30	5108.05	.25	-.15	108.55	-43.65
5120	1.5	132	.33	5116.04	.27	-.22	108.80	-43.67
5130	1.5	130	.35	5128.04	.27	-.22	109.07	-43.80
5140	1.5	129	.33	5136.03	.26	-.21	109.32	-44.30
5150	1.5	116	.37	5148.03	.32	-.17	109.65	-44.48
5160	1.5	112	.35	5156.02	.32	-.13	109.97	-44.61
5170	1.5	115	.33	5168.01	.33	-.15	110.30	-44.76
5180	1.5	109	.35	5176.01	.33	-.11	110.63	-44.88
5190	1.5	112	.30	5188.00	.28	-.11	110.95	-44.99
5200	1.5	116	.31	5196.00	.28	-.15	111.19	-45.12
5210	1.5	120	.33	5208.00	.29	-.17	111.46	-45.29
5220	1.5	116	.31	5216.00	.28	-.15	111.75	-45.44
5230	1.5	121	.30	5228.00	.25	-.15	112.01	-45.59
5240	1.5	117	.31	5236.00	.24	-.14	112.28	-45.73
5250	1.5	114	.30	5248.00	.27	-.12	112.56	-45.85
5260	1.5	117	.30	5256.00	.26	-.13	112.82	-45.99
5270	1.5	120	.30	5268.00	.26	-.15	113.08	-46.14
5280	1.5	125	.30	5276.00	.24	-.17	113.32	-46.31
5290	1.5	122	.31	5288.00	.27	-.17	113.59	-46.47
5300	1.5	122	.35	5296.00	.30	-.18	113.89	-46.66
5310	1.5	112	.35	5308.00	.32	-.13	114.21	-46.79
5320	1.5	102	.35	5316.00	.30	-.08	114.59	-46.87
5330	1.5	98	.37	5328.00	.37	-.01	114.95	-46.86
5340	1.5	88	.35	5336.00	.35	-.01	115.30	-46.85
5350	1.5	94	.33	5348.00	.33	-.02	115.63	-46.87
5360	1.5	103	.31	5356.00	.31	-.07	115.94	-46.94
5370	1.5	96	.31	5368.00	.31	-.04	116.25	-46.99
5380	1.5	101	.26	5376.00	.26	-.05	116.51	-47.01
5390	1.5	106	.30	5388.00	.29	-.08	116.79	-47.12
5400	1.5	111	.31	5396.00	.28	-.11	117.08	-47.23
5410	1.5	111	.30	5408.00	.28	-.11	117.36	-47.34

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DEPTH	DRIFT	AZM	H.D.	TRUE DEPTH	X	Y	SURX	SURY
5420	1.5	113	.33	5416.00	.31	-.13	117.67	-47.47
5430	1.5	115	.33	5428.00	.30	-.14	117.97	-47.61
5440	1.5	112	.37	5436.00	.34	-.14	118.31	-47.75
5450	1.5	103	.37	5448.00	.36	-.09	118.66	-47.85
5460	1.5	87	.37	5456.00	.37	-.02	119.03	-47.81
5470	1.5	75	.36	5468.00	.38	-.03	119.41	-47.84
5480	1.5	90	.37	5476.00	.37	-.00	119.78	-47.84
5490	1.5	94	.37	5488.00	.37	-.03	120.14	-47.87
5500	1.5	107	.35	5496.00	.35	-.04	120.49	-47.91
5510	1.5	97	.33	5508.00	.33	-.04	120.82	-47.95
5520	1.5	89	.35	5516.00	.34	-.06	121.16	-48.00
5530	1.5	105	.31	5528.00	.38	-.08	121.47	-48.09
5540	1.5	103	.38	5536.00	.29	-.07	121.76	-48.15
5550	1.5	115	.26	5548.00	.28	-.11	122.09	-48.26
5560	1.5	114	.28	5556.00	.26	-.11	122.38	-48.30
5570	1.5	115	.28	5568.00	.25	-.12	122.68	-48.50
5580	1.5	109	.31	5576.00	.38	-.10	122.98	-48.60
5590	1.5	113	.33	5588.00	.31	-.13	123.18	-48.73
5600	1.5	101	.33	5596.00	.33	-.06	123.43	-48.79
5610	1.5	91	.33	5608.00	.33	-.01	123.76	-48.80
5620	1.5	92	.28	5616.00	.28	-.01	124.04	-48.81
5630	1.5	93	.30	5628.00	.33	-.02	124.34	-48.82
5640	1.5	93	.30	5636.00	.38	-.02	124.63	-48.82
5650	1.5	105	.26	5648.00	.27	-.07	124.98	-48.91
5660	1.5	105	.24	5656.00	.24	-.04	125.14	-48.97
5670	1.5	105	.23	5668.00	.22	-.06	125.36	-49.03
5680	1.5	116	.23	5676.00	.20	-.10	125.55	-49.13
5690	1.5	117	.38	5688.00	.34	-.17	125.90	-49.30
5700	1.5	121	.21	5696.00	.17	-.12	126.09	-49.43
5710	1.5	123	.26	5708.00	.24	-.09	126.51	-49.71
5720	1.5	121	.33	5716.00	.28	-.17	126.88	-49.88
5730	1.5	103	.32	5728.00	.31	-.12	127.31	-50.08
5740	1.5	107	.26	5736.00	.25	-.08	127.56	-50.08
5750	1.5	107	.24	5748.00	.27	-.14	127.82	-50.22
5760	1.5	107	.19	5756.00	.16	-.10	128.18	-50.33
5770	1.5	134	.31	5768.00	.23	-.22	128.41	-50.72
5780	1.5	135	.14	5776.00	.10	-.10	128.51	-50.84
5790	1.5	136	.42	5788.00	.26	-.31	128.79	-50.95
5800	1.5	134	.21	5796.00	.15	-.15	129.04	-51.19
5810	1.5	125	.23	5808.00	.19	-.13	129.13	-51.23
5820	1.5	111	.24	5816.00	.14	-.09	129.37	-51.38
5830	1.5	116	.24	5828.00	.22	-.11	129.59	-51.43
5840	1.5	101	.35	5836.00	.24	-.07	129.94	-51.50
5850	1.5	116	.19	5848.00	.17	-.09	130.18	-51.59
5860	1.5	130	.16	5856.00	.12	-.10	130.22	-51.69

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DEPTH	DRIFT	AZM	H.O.	TRUE DEPTH	X	SURX	SURY
6380	1.7	191	1.12	6377.43	-.06	-1.11	132.80
6400	1.6	187	1.02	6375.02	-.20	-1.01	132.70
6500	1.0	193	1.17	6385.02	-.04	-1.17	132.63
6510	1.7	192	1.12	6383.02	-.05	-1.12	132.63
6520	1.7	184	1.30	6325.01	-.02	-.30	132.61
6650	1.6	233	1.30	6407.00	-.06	-.06	131.58
6660	1.6	235	1.09	6457.00	-.06	-.06	131.45
6670	1.7	210	1.12	6467.00	-.06	-.12	131.39
6680	1.6	207	1.14	6477.00	-.08	-.12	131.39
6690	1.6	201	1.14	6467.00	-.05	-.15	131.34
6700	1.6	182	1.08	6457.00	-.08	-.20	132.95
6800	1.1	143	2.00	6453.57	1.61	-2.30	132.95
6850	1.1	135	1.14	6453.57	-.07	-.07	133.02
6860	1.1	113	1.09	6453.57	-.05	-.05	133.10
6870	1.7	100	1.12	6473.57	-.12	-.03	133.34
6880	1.7	102	1.12	6483.57	-.12	-.03	133.34
6890	1.7	104	1.09	6493.57	-.07	-.05	133.50
6900	1.7	121	1.10	6493.57	-.07	-.08	133.57
6910	1.6	140	1.08	6493.57	-.04	-.11	133.61
6920	1.7	159	1.10	6493.57	-.03	-.10	133.64
6930	1.6	168	1.17	6493.57	-.04	-.11	133.61
6940	1.0	101	1.17	6493.57	-.00	-.17	133.65
6950	1.0	176	1.17	6493.57	-.01	-.17	133.71
6960	1.1	163	1.19	6493.57	-.06	-.20	133.81
6970	1.6	157	1.19	6493.57	-.05	-.21	133.85
6980	1.3	137	1.23	6493.57	-.09	-.17	133.89
6990	1.1	130	1.03	7067.55	1.03	-.09	135.02
7000	1.0	90	1.03	7067.55	1.14	-.02	135.07
7010	1.0	88	1.14	7067.55	1.14	-.02	135.10
7100	1.0	79	1.17	7067.55	1.17	-.03	135.10
7110	1.0	73	1.17	7107.55	1.17	-.04	135.00
7120	1.0	70	1.12	7117.54	1.11	-.04	135.78
7130	1.0	69	1.09	7127.54	1.08	-.03	135.90
7140	1.0	68	1.09	7137.54	1.08	-.03	135.90
7150	1.0	67	1.07	7147.54	1.07	-.01	136.00
7160	1.0	67	1.07	7157.54	1.07	-.01	136.00
7170	1.0	67	1.07	7167.54	1.07	-.01	136.19
7180	1.0	67	1.07	7177.54	1.07	-.01	136.38
7190	1.0	67	1.07	7187.54	1.07	-.01	136.51
7200	1.0	67	1.07	7197.54	1.07	-.01	136.65
7210	1.0	67	1.07	7207.54	1.07	-.01	136.80
7220	1.0	67	1.07	7217.54	1.07	-.01	136.94
7230	1.0	67	1.07	7227.54	1.07	-.01	137.08
7240	1.0	67	1.07	7237.54	1.07	-.01	137.22
7250	1.0	67	1.07	7247.54	1.07	-.01	137.36
7260	1.0	67	1.07	7257.54	1.07	-.01	137.50
7270	1.0	67	1.07	7267.54	1.07	-.01	137.64
7280	1.0	67	1.07	7277.54	1.07	-.01	137.78
7290	1.0	67	1.07	7287.54	1.07	-.01	137.92
7300	1.0	67	1.07	7297.54	1.07	-.01	138.06
7310	1.0	67	1.07	7307.54	1.07	-.01	138.20
7320	1.0	67	1.07	7317.54	1.07	-.01	138.34
7330	1.0	67	1.07	7327.54	1.07	-.01	138.48
7340	1.0	67	1.07	7337.54	1.07	-.01	138.62
7350	1.0	67	1.07	7347.54	1.07	-.01	138.76
7360	1.0	67	1.07	7357.54	1.07	-.01	138.90
7370	1.0	67	1.07	7367.54	1.07	-.01	139.04
7380	1.0	67	1.07	7377.54	1.07	-.01	139.18
7390	1.0	67	1.07	7387.54	1.07	-.01	139.32
7400	1.0	67	1.07	7397.54	1.07	-.01	139.46
7410	1.0	67	1.07	7407.54	1.07	-.01	139.60
7420	1.0	67	1.07	7417.54	1.07	-.01	139.74
7430	1.0	67	1.07	7427.54	1.07	-.01	139.88
7440	1.0	67	1.07	7437.54	1.07	-.01	140.02
7450	1.0	67	1.07	7447.54	1.07	-.01	140.16
7460	1.0	67	1.07	7457.54	1.07	-.01	140.30
7470	1.0	67	1.07	7467.54	1.07	-.01	140.44
7480	1.0	67	1.07	7477.54	1.07	-.01	140.58
7490	1.0	67	1.07	7487.54	1.07	-.01	140.72
7500	1.0	67	1.07	7497.54	1.07	-.01	140.86
7510	1.0	67	1.07	7507.54	1.07	-.01	141.00
7520	1.0	67	1.07	7517.54	1.07	-.01	141.14
7530	1.0	67	1.07	7527.54	1.07	-.01	141.28
7540	1.0	67	1.07	7537.54	1.07	-.01	141.42
7550	1.0	67	1.07	7547.54	1.07	-.01	141.56
7560	1.0	67	1.07	7557.54	1.07	-.01	141.70
7570	1.0	67	1.07	7567.54	1.07	-.01	141.84
7580	1.0	67	1.07	7577.54	1.07	-.01	141.98
7590	1.0	67	1.07	7587.54	1.07	-.01	142.12
7600	1.0	67	1.07	7597.54	1.07	-.01	142.26
7610	1.0	67	1.07	7607.54	1.07	-.01	142.40
7620	1.0	67	1.07	7617.54	1.07	-.01	142.54
7630	1.0	67	1.07	7627.54	1.07	-.01	142.68
7640	1.0	67	1.07	7637.54	1.07	-.01	142.82
7650	1.0	67	1.07	7647.54	1.07	-.01	142.96
7660	1.0	67	1.07	7657.54	1.07	-.01	143.10
7670	1.0	67	1.07	7667.54	1.07	-.01	143.24
7680	1.0	67	1.07	7677.54	1.07	-.01	143.38
7690	1.0	67	1.07	7687.54	1.07	-.01	143.52
7700	1.0	67	1.07	7697.54	1.07	-.01	143.66
7710	1.0	67	1.07	7707.54	1.07	-.01	143.80
7720	1.0	67	1.07	7717.54	1.07	-.01	143.94
7730	1.0	67	1.07	7727.54	1.07	-.01	144.08
7740	1.0	67	1.07	7737.54	1.07	-.01	144.22
7750	1.0	67	1.07	7747.54	1.07	-.01	144.36
7760	1.0	67	1.07	7757.54	1.07	-.01	144.50
7770	1.0	67	1.07	7767.54	1.07	-.01	144.64
7780	1.0	67	1.07	7777.54	1.07	-.01	144.78
7790	1.0	67	1.07	7787.54	1.07	-.01	144.92
7800	1.0	67	1.07	7797.54	1.07	-.01	145.06
7810	1.0	67	1.07	7807.54	1.07	-.01	145.20
7820	1.0	67	1.07	7817.54	1.07	-.01	145.34
7830	1.0	67	1.07	7827.54	1.07	-.01	145.48
7840	1.0	67	1.07	7837.54	1.07	-.01	145.62
7850	1.0	67	1.07	7847.54	1.07	-.01	145.76
7860	1.0	67	1.07	7857.54	1.07	-.01	145.90
7870	1.0	67	1.07	7867.54	1.07	-.01	146.04
7880	1.0	67	1.07	7877.54	1.07	-.01	146.18
7890	1.0	67	1.07	7887.54	1.07	-.01	146.32
7900	1.0	67	1.07	7897.54	1.07	-.01	146.46
7910	1.0	67	1.07	7907.54	1.07	-.01	146.60
7920	1.0	67	1.07	7917.54	1.07	-.01	146.74
7930	1.0	67	1.07	7927.54	1.07	-.01	146.88
7940	1.0	67	1.07	7937.54	1.07	-.01	147.02
7950	1.0	67	1.07	7947.54	1.07	-.01	147.16
7960	1.0	67	1.07	7957.54	1.07	-.01	147.30
7970	1.0	67	1.07	7967.54	1.07	-.01	147.44
7980	1.0	67	1.07	7977.54	1.07	-.01	147.58
7990	1.0	67	1.07	7987.54	1.07	-.01	147.72
8000	1.0	67	1.07	7997.54	1.07	-.01	147.86
8010	1.0	67	1.07	8007.54	1.07	-.01	148.00
8020	1.0	67	1.07	8017.54	1.07	-.01	148.14
8030	1.0	67	1.07	8027.54	1.07	-.01	148.28
8040	1.0	67	1.07	8037.54	1.07	-.01	148.42
8050	1.0	67	1.07	8047.54	1.07	-.01	148.56
8060	1.0	67	1.07	8057.54	1.07	-.01	148.70
8070	1.0	67	1.07	8067.54	1.07	-.01	148.84
8080	1.0	67	1.07	8077.54	1.07	-.01	148.98
8090	1.0	67	1.07	8087.54	1.07	-.01	149.12
8100	1.0	67	1.07	8097.54	1.07	-.01	149.26
8110	1.0	67	1.07	8107.54	1.07	-.01	149.40
8120	1.0	67	1.07	8117.54	1.07	-.01	149.54
8130	1.0	67	1.07	8127.54	1.07	-.01	149.68
8140	1.0	67	1.07	8137.54	1.07	-.01	149.82
8150	1.0	67	1.07	8147.54	1.07	-.01	149.96
8160	1.0	67	1.07	8157.54	1.07	-.01	150.10
8170	1.0	67	1.07	8167.54	1.07	-.01	150.24
8180	1.0	67	1.07	8177.54	1.07	-.01	150.38
8190	1.0	67	1.07	8187.54	1.07	-.01	150.52
8200	1.0	67	1.07	8197.54	1.07	-.01	150.66
8210	1.0	67	1.07	8207.54	1.07	-.01	150.80
8220	1.0	67	1.07	8217.54	1.07	-.01	150.94
8230	1.0	67	1.07	8227.54	1.07	-.01	151.08
8240	1.0	67	1.07	8237.54	1.07	-.01	151.22
8250	1.0	67	1.07	8247.54	1.07	-.01	151.36
8260	1.0	67	1.07	8257.54	1.07	-.01	151.50
8270	1.0	67	1.07	8267.54	1.07	-.01	151.64
8280	1.0	67	1.07	8277.54	1.07	-.01	151.78
8290	1.0	67	1.07	8287.54	1.07	-.01	151.92
8300	1.0	67	1.07	8297.54	1.07	-.01	152.06
8310	1.0	67	1.07	8307.54	1.07	-.01	152.20
8320	1.0	67	1.07	8317.54	1.07	-.01	152.34
8330	1.0	67	1.07	8327.54	1.07	-.01	152.48
8340	1.0	67	1.07	8337.54	1.07	-.01	152.62
8350	1.0	67	1.07	8347.54	1.07	-.01	152.76
8360	1.0	67	1.07	8357.54	1.07	-.01	152.90
8370	1.0	67	1.07	8367.54	1.07	-.01	153.04
8380							

DIRECTIONAL SURVEY PAGE 14

DEPTH	DRIFT	AZN	H.O.	TRUE DEPTH	X	Y	SUNY	SUNY
0050	0	350	07	0491.00	-03	06	123.65	-02.73
0050	0	350	10	0491.00	-04	10	123.61	-02.63
0050	0	350	12	0491.00	-06	10	123.59	-02.53
0050	0	350	14	0491.00	-08	07	123.47	-02.40
0050	0	350	16	0491.00	-11	00	123.39	-02.37
0050	0	350	18	0491.00	-11	00	123.25	-02.29
0050	0	350	20	0491.00	-14	00	123.11	-02.21
0050	0	350	22	0491.00	-17	05	122.96	-02.16
0050	0	350	24	0491.00	-17	09	122.79	-02.11
0050	0	350	26	0491.00	-16	10	122.64	-02.06
0050	0	350	28	0491.00	-17	08	122.48	-02.01
0050	0	350	30	0491.00	-17	08	122.32	-01.96
0050	0	350	32	0491.00	-17	08	122.17	-01.91
0050	0	350	34	0491.00	-18	00	122.01	-01.86
0050	0	350	36	0491.00	-18	07	121.85	-01.81
0050	0	350	38	0491.00	-17	00	121.69	-01.76
0050	0	350	40	0491.00	-13	09	121.53	-01.71
0050	0	350	42	0491.00	-13	09	121.37	-01.66
0050	0	350	44	0491.00	-12	10	121.21	-01.61
0050	0	350	46	0491.00	-12	10	121.05	-01.56
0050	0	350	48	0491.00	-13	09	120.89	-01.51
0050	0	350	50	0491.00	-14	11	120.73	-01.46
0050	0	350	52	0491.00	-14	13	120.57	-01.41
0050	0	350	54	0491.00	-14	16	120.41	-01.36
0050	0	350	56	0491.00	-14	19	120.25	-01.31
0050	0	350	58	0491.00	-14	22	120.09	-01.26
0050	0	350	60	0491.00	-14	25	119.93	-01.21
0050	0	350	62	0491.00	-14	28	119.77	-01.16
0050	0	350	64	0491.00	-14	31	119.61	-01.11
0050	0	350	66	0491.00	-14	34	119.45	-01.06
0050	0	350	68	0491.00	-14	37	119.29	-01.01
0050	0	350	70	0491.00	-14	40	119.13	-00.96
0050	0	350	72	0491.00	-14	43	118.97	-00.91
0050	0	350	74	0491.00	-14	46	118.81	-00.86
0050	0	350	76	0491.00	-14	49	118.65	-00.81
0050	0	350	78	0491.00	-14	52	118.49	-00.76
0050	0	350	80	0491.00	-14	55	118.33	-00.71
0050	0	350	82	0491.00	-14	58	118.17	-00.66
0050	0	350	84	0491.00	-14	61	118.01	-00.61
0050	0	350	86	0491.00	-14	64	117.85	-00.56
0050	0	350	88	0491.00	-14	67	117.69	-00.51
0050	0	350	90	0491.00	-14	70	117.53	-00.46
0050	0	350	92	0491.00	-14	73	117.37	-00.41
0050	0	350	94	0491.00	-14	76	117.21	-00.36
0050	0	350	96	0491.00	-14	79	117.05	-00.31
0050	0	350	98	0491.00	-14	82	116.89	-00.26
0050	0	350	100	0491.00	-14	85	116.73	-00.21

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DIRECTIONAL SURVEY PAGE 15

TANGENTIAL METHOD	
DRIFT DISTANCE	136.82 FEET
ALTIMETER DEPTH	115 DEGREES
MEASURED DEPTH	8004 FEET
TRUE VERTICAL DEPTH	8061.27 FEET
SUNY	117.40 (EAST)
SUNY	-95.01 (SOUTH)
PLOT SCALE= 20. FEET IN.	
KNAX	156.41
KNAX	.08
KNAX	.00
KNAX	.00

Schlumberger

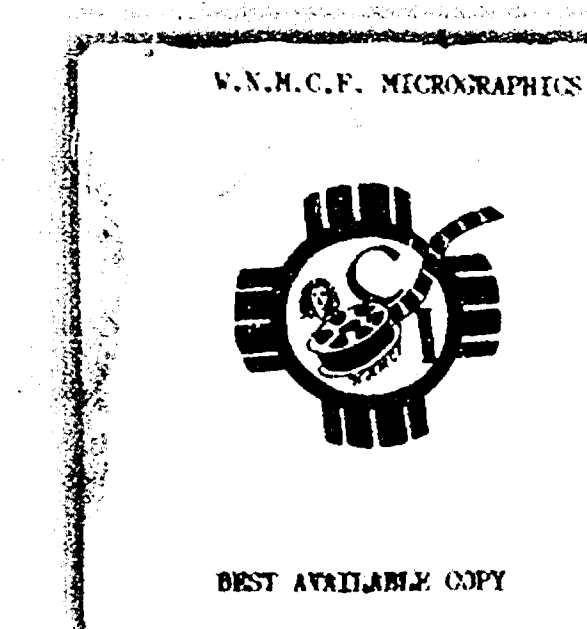
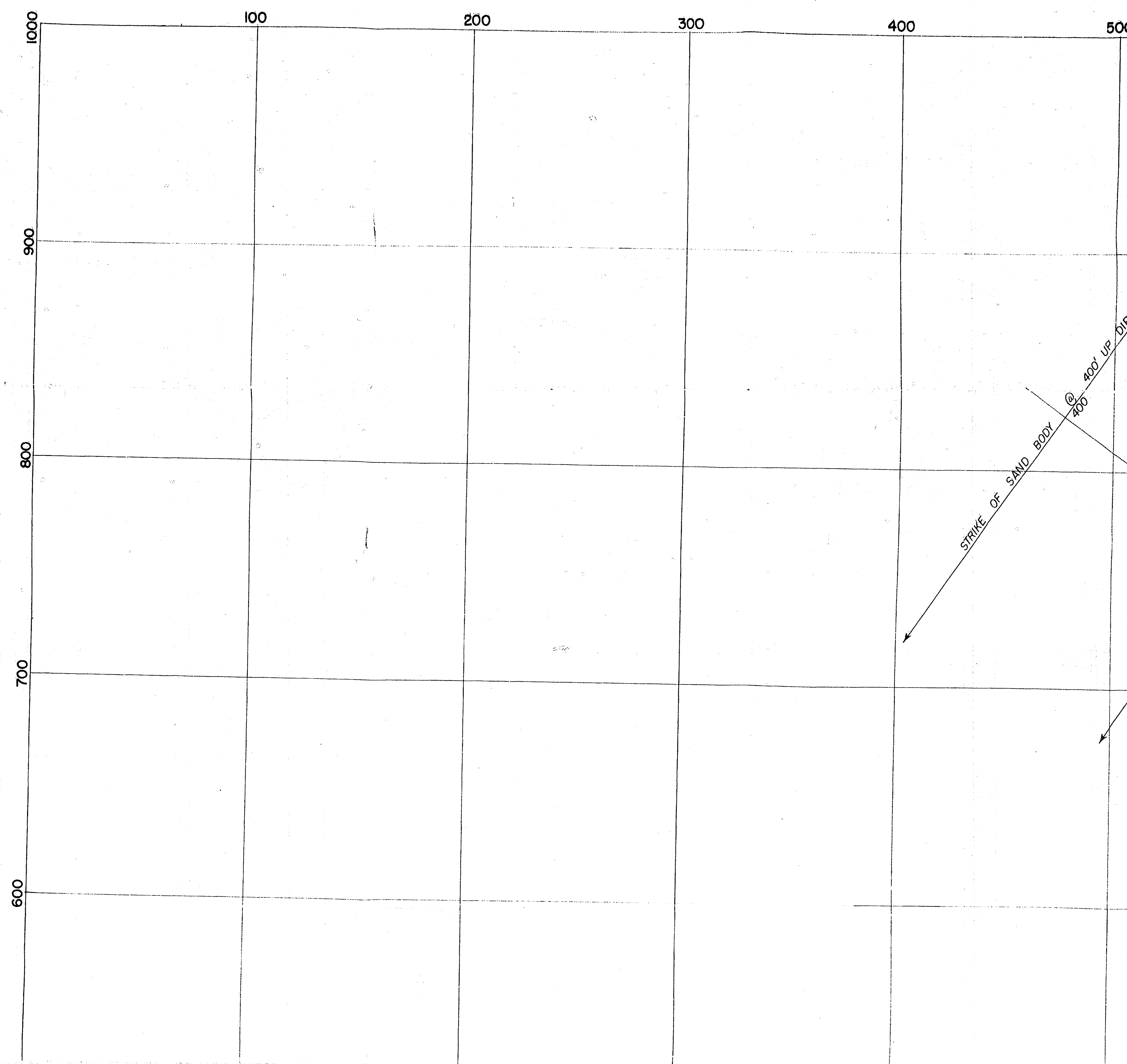


BEFORE EXAMINED BY LITTE
APPL. 5/14/41
CASE NO. 5/14/41

LOCATION PLAT

DAVID FASKEN
VANDIVER "7" NO. 1

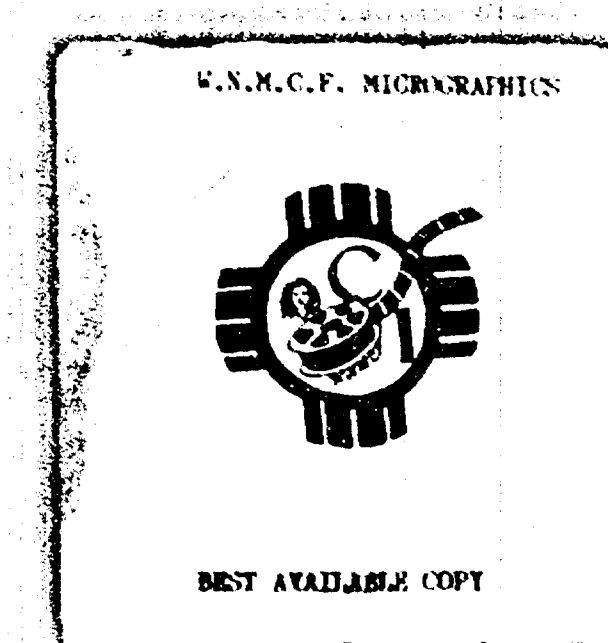
DISTANCE FROM WEST LINE OF SECTION 7

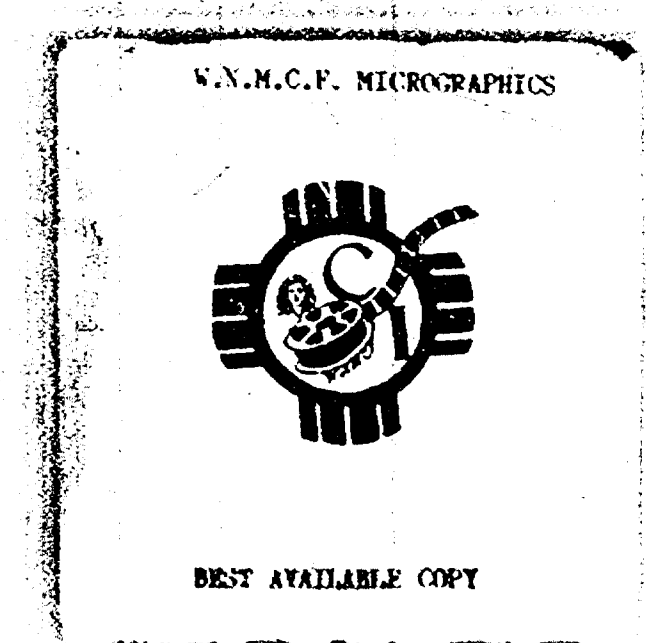
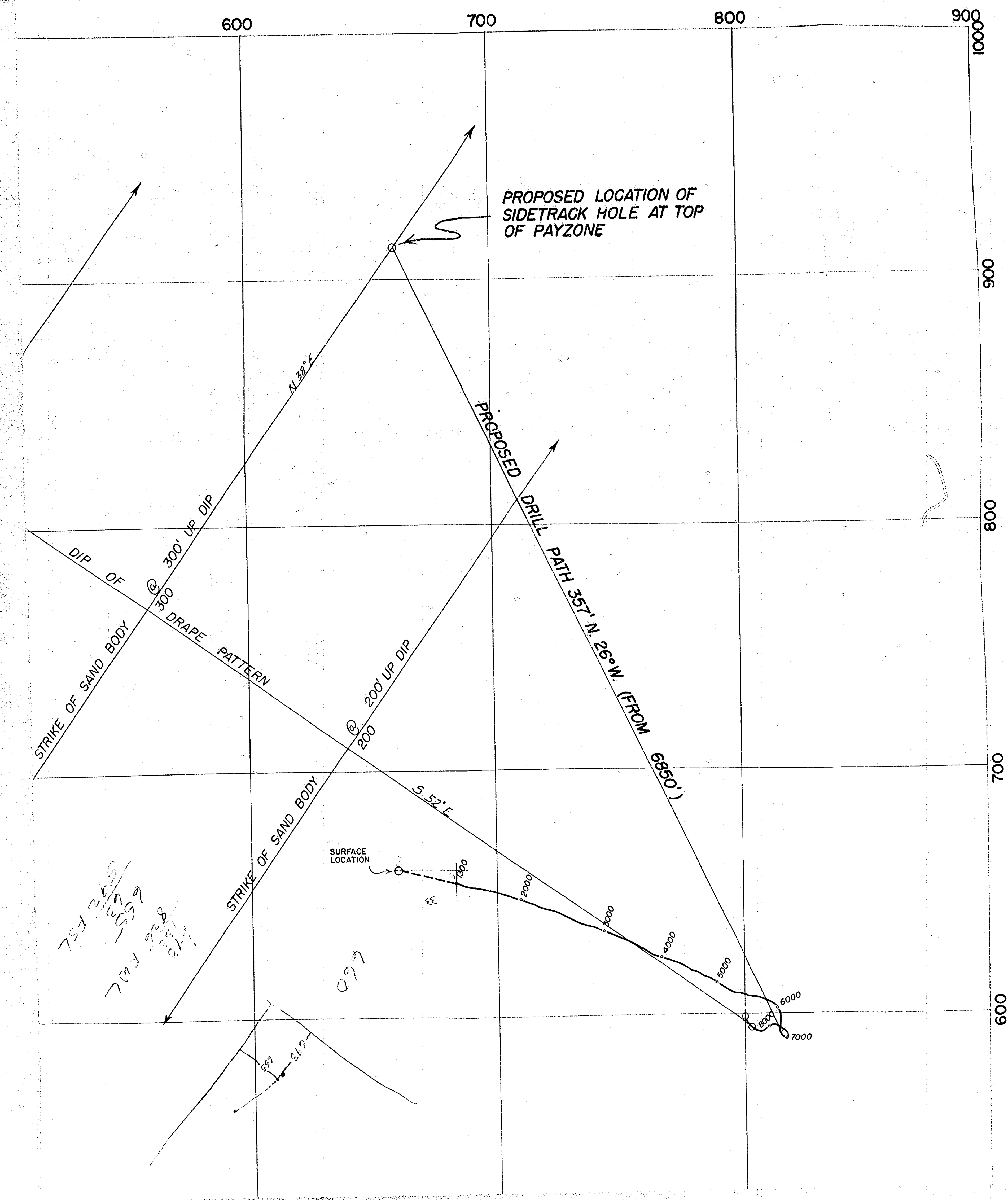


DISTANCE FROM SOUTH LINE OF SECTION 7

500					
400					
300					
200					
100					

N





				500
				400
				300
				200
				100

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