

**U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY**

**SCHLUMBERGER SOUNDINGS IN THE DILLON RESOURCE AREA
BEAVERHEAD AND MADISON COUNTIES, MONTANA**

By

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In 1996 and 1997 the U.S. Geological Survey made 60 dc electrical soundings using the Schlumberger array in the Dillon resource area, Beaverhead and Madison counties, Montana. The soundings were made to determine the thickness and the extent of the near-surface sands and gravels of placer deposits for the Bureau of Land Management. Results would assist in determining the potential for mining operations, and the location of the placer deposits.

Schlumberger sounding is a geophysical technique that uses variations in the electrical resistivity of earth materials to help detect buried geologic structures. Dc resistivity (the inverse of conductivity) is a fundamental rock property that varies due to of rock type, clay content, porosity and the quantity and quality of the water contained in the rock. Resistivity is normally expressed in ohm-m. Within a given rock type, the resistivity of the rock is primarily dependant on the quality and quantity of water and the amount of clay present. Generally speaking, higher clay content and/or poorer quality (higher TDS and/or chlorides) ground water lowers the rock resistivity.

Schlumberger sounding uses a symmetric electrode array to vertically explore the subsurface. The name Schlumberger derives from Conrad Schlumberger, an early proponent of the array geometry. Schlumberger soundings are processed by computer modeling of the sounding data as a series of horizontal layers (Zohdy, 1989 and Zohdy and Bisdorf, 1989). More detailed explanations of processing and automatic interpretation procedure can be found in Bisdorf (1985) and Zohdy and others (1993). A series of individual sounding interpretations can be combined to generate a geoelectrical cross section of interpreted resistivity. Cross sections, which can be thought of as vertical slices through the ground, similar to a road cut, are easier to interpret than individual soundings and show lateral as well as vertical variations of resistivity.

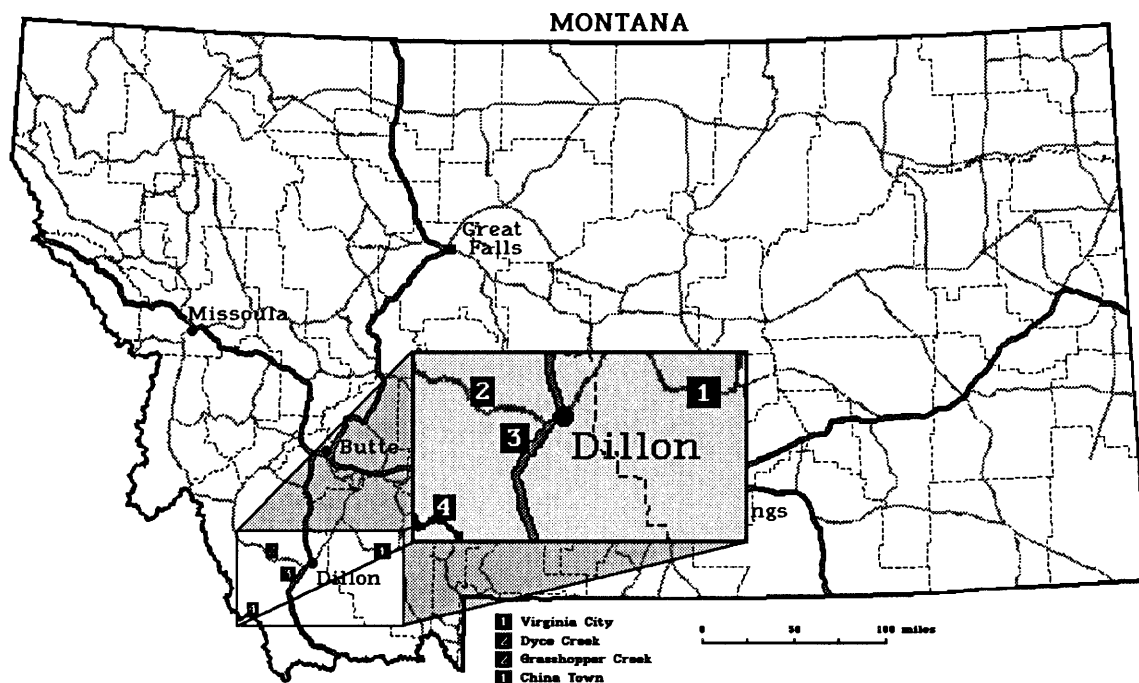


Figure 1. Map of Montana showing general areas of data collection.

Table 1 gives the sounding number, x coordinate, y coordinate, and elevation of the soundings. The x and y coordinates are in kilometers UTM zone 12 using the North America horizontal datum of 1927. The elevations are in meters using the North American vertical datum of 1929. Figure 1 is a map covering the areas worked.

The data were interpreted using an automatic computerized interpretation program (Zohdy and Bisdorf, 1989) written for IBM PC's and compatible computers. The soundings are designated Dillon 1 through Dillon 60. Sounding Dillon 54 has an S appended to the title of the interpreted sounding, indicating that the field sounding was smoothed prior to interpretation. Sounding Dillon 59 was distorted by a metal fence and is included only for completeness. For each sounding curve, the data in the appendix includes:

1. A sounding title designated by the name of the survey area followed by the sounding number.
2. A tabulation of the AB/2 electrode spacings (in meters and feet) and corresponding apparent resistivities (in ohm-meters).

3. A log-log plot of the field data points. Each set of data points that were made with the same potential electrode spacing (MN) are connected with a solid line. Measurements were made at MN/2 spacings of .6, 2., 20., and 60., feet as appropriate.
4. A tabulation of the automatically interpreted layering, with depths in meters and feet and the corresponding resistivities in ohm-meters.
5. A log-log plot of the results of the automatic interpretation program. The circles represent the shifted-digitized field data, the continuous curve represents the sounding curve calculated from the interpreted layering, and the step-function curve represents the interpreted layering.

RESISTIVITY CROSS SECTIONS

Resistivity cross sections are generated from individual sounding interpretations. Each sounding interpretation is sampled in a manner to approximate a continuous vertical distribution of resistivity with depth (Bisdorf, 1982). This vertical data is then horizontally interpolated to create a grid. Gray scale or color values are assigned based on the interpolated resistivity values and the desired contour levels. Triangles on the upper surface of the cross section designate the sounding locations. Topographic information, input as sounding elevations, is represented by connecting the surface location of the soundings by straight lines. The bottom edge of the cross sections will be variable and the elevation of the bottom is determined by the depth of useable data as determined by a percentage of the deepest interpreted layer depth. The variable bottom of the cross sections is used to discourage making interpretations not justified by the data.

Figure 2 shows the location map for the Virginia City area. Soundings were made in Alder Gulch and Browns Gulch. Figure 3 shows a geoelectrical cross section made from the interpretation of the soundings made in Alder Gulch. The green and yellow colors under soundings 38, 39, and 40 indicate resistivities from 10 to 100 ohm-m and are typical for unconsolidated sediments in an alluvial environment. The higher resistivities seen under the soundings in the gulch represent either gravels or the gneissic bedrock (Van Gosen and others, 1998). The high resistivity (150 to 300 ohm-m) tongue under soundings 37 and 38 could represent gravels with the potential for mining impact. Similarly the near surface

(upper 20 meters) high resistivity zone throughout the canyon could indicate gravels, although we would be surprised to find 25 meters of gravel as far up the canyon as soundings 33 and 34.

Figure 4 shows a geoelectrical cross section made from the interpretation of the soundings in Browns Gulch. The green and yellow colors under soundings 41, and 46 indicate resistivities from 10 to 100 ohm-m and are typical for unconsolidated sediments in an alluvial environment. The higher resistivities seen under the soundings in the gulch represent either gravels or gneissic bedrock. The near surface (upper 20 meters) high resistivity material seen under soundings 45, 42 and 46 could possibly represent mineable gravels up to 30 meters thick. There is placer activity between sounding 46 and sounding 41. In general the rocks in this gulch are not as resistive as those in Alder Gulch, possibly indicating that these rocks are somewhat less competent.

Figure 5 shows a location map for the Dyce Creek area. Figures 6 and 7 show the geoelectrical cross sections made from the interpretation of the soundings in the east fork and west fork of Dyce Creek respectively. Generally speaking, high resistivities dominate the cross section indicating that the creek is very close to the Hornblende gabbro that is the predominate basement rock (Pearson and Zen, 1985). If any placer gravels exist their presence is masked by the high resistivity basement materials. On figure 6 under sounding 20, the resistivities are somewhat lower than the rest of the cross section. This probably represents a unit described by Pearson and Zen (1985) as conglomerate, tuffaceous sandstone and tuff. On figure 7 under soundings 14 and 21 a lower resistivity layer may indicate the same unit. Out of the canyon (soundings 47 and 48) the resistivity structure is representative of unconsolidated fine grained material. The upper 1 to 5 meters is high resistivity material and could represent gravels.

Figure 8 shows a location map for the Grasshopper Creek area. Figure 9 shows a geoelectrical cross section made from the interpretation of the soundings made in this area. The greater than 100 ohm-m material under soundings 28 and 60 probably represent the basalt that outcrops on the nearby hills along the canyon of the Beaverhead River. In the canyon of Grasshopper Creek the near surface greater than 100 ohm-m material may represent gravels. Near surface gravels are indicated from sounding 30 to sounding 23. The proposed gravels are less than 10 meters thick under sounding 30 to greater than 50 meters thick under sounding 22. This deposit is laid down in a westerly dipping wedge of material. Beneath the proposed gravels is a less than 20 ohm-m layer that may represent some finer grained material. Some possibilities include siltstone, tuff, or any porous media

saturated with poor quality water. Greater than 100 ohm-m material exists under soundings 25, 26, and 27. This zone ranges in thickness from less than 10 meters to greater than 60 meters and is dipping to the east. This zone could represent gravels. The dips seen west of sounding 30 are consistent with information given verbally by R.C. Pearson on the results of his preliminary geologic mapping of the area that indicates a synclinal structure in this area.

Figure 10 shows a location map for the China Town area. Figure 11 shows a geoelectrical cross section made from the interpretation of the soundings made in this area. The greater than 150 ohm-m material present under soundings 1 and 2 represent the basement rocks. The greater than 70 ohm-m material in the upper 50 meters is presumed to represent gravel deposits. The placer gravels in the China Town area were actively worked and piles of material can still be seen. This made access to the center of Jeff Davis Creek difficult and as a consequence many of the soundings were located on the sides of the valley. This is not ideal for determining the presence and thickness of gravels. The greater than 70 ohm-m material present in the upper 50 meters of the cross section is presumed to represent the gravels. The cross section indicates a low resistivity structure under sounding 55 that divides the valley. Gravels thicken to the east and west from this divide. This low resistivity body is probably a clay rich rock such as a siltstone, mudstone, or tuff. A less likely possibility for the composition of this low resistivity material is rhyolite (in a previous survey (Zohdy and Bisdorf, 1994 p 23-24) measurements were made on a competent gray rhyolite that had similarly low resistivities (i.e. <15 ohm-m)), although it was questioned whether the sounding in question was actually measuring the resistivity of the rhyolite. M'Gonigle and Mortimer (1997) show an anticline with both flanks faulted just north of this low resistivity zone. Extending the mapped faults and anticlinal crest south to Jeff Davis Creek matches the low resistivity zone. It isn't known if this low resistivity divide is related to the source of gold in Jeff Davis Creek.

The transition from high resistivities to low resistivities between soundings 1 and 2 represents the Maiden Peak fault designated MP on M'Gonigle and Mortimer (1997). The transition from moderate resistivities to low resistivity near sounding 56 represents the Horse Prairie Basin fault designated as HPB on M'Gonigle and Mortimer (1997). The cross section has faults represented as dipping lines. The fault dips are determined by those that are visually pleasing since the soundings are not typically closely enough spaced to determine dip.

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- Zohdy, A.A.R., and Bisdorf, R.J., 1989, Programs for the automatic processing and interpretation of Schlumberger sounding curves in QuickBASIC 4.0: U.S. Geological Survey Open-File Report, 89-137 A&B, 64 p. + diskette.
- _____, 1994, A direct current resistivity survey near the marine corps logistics bases at Nebo and Yermo, Barstow, California: U.S. Geological Survey Open-File Report 94-202, 155 p.

Sounding number	X (km)	Y (km)	Elevation (meters)
1	329.37	4972.07	2371.7
2	328.54	4972.06	2257.0
3	325.74	4972.82	2118.4
4	326.46	4972.13	2141.2
5	327.69	4972.28	2188.5
6	327.81	4972.09	2203.7
7	325.26	4973.21	2100.0
8	324.23	4973.45	2078.7
9	339.71	5020.21	2329.3
10	339.77	5019.72	2240.8
11	339.63	5018.98	2190.5
12	339.16	5018.38	2140.2
13	339.45	5017.66	2097.6
14	339.57	5017.08	2064.0
15	340.61	5015.72	1971.0
16	340.93	5016.40	1998.6
17	340.95	5016.93	2024.4
18	340.84	5017.66	2067.1
19	340.76	5018.43	2129.6
20	340.81	5019.06	2176.8
21	340.18	5016.40	2012.2
22	356.62	4996.86	1667.3
23	355.81	4996.64	1652.4
24	354.88	4996.56	1667.7
25	354.00	4996.45	1667.7
26	353.21	4996.83	1679.9
27	352.27	4996.77	1652.4
28	360.74	4996.72	1623.5
29	359.10	4996.19	1631.1
30	358.87	4996.39	1626.5

Sounding number	X (km)	Y (km)	Elevation (meters)
31	357.87	4996.77	1631.1
32	427.07	5008.05	2118.9
33	427.39	5008.54	2109.7
34	427.80	5009.94	1997.0
35	427.86	5011.61	1896.3
36	426.87	5012.68	1852.1
37	426.64	5013.40	1823.2
38	426.42	5014.49	1780.5
39	425.98	5015.41	1768.3
40	425.29	5016.20	1740.8
41	423.46	5017.03	1725.6
42	423.28	5015.27	1774.7
43	423.51	5012.62	1884.1
44	423.15	5013.42	1850.6
45	423.15	5014.25	1817.1
46	423.34	5016.36	1773.9
47	340.59	5014.92	1946.6
48	340.52	5013.34	1905.5
49	322.98	4973.78	2061.0
50	321.86	4973.97	2007.6
51	327.26	4972.32	2167.1
52	326.89	4972.27	2168.7
53	327.58	4971.65	2206.8
54	326.99	4971.93	2164.1
55	326.23	4972.51	2142.7
56	323.83	4973.51	2050.4
57	358.29	4996.70	1639.8
58	359.40	4995.92	1630.7
59	360.13	4995.79	1615.4
60	359.95	4995.59	1618.5

Table 1. Schlumberger sounding coordinates. Horizontal coordinates (x and y) are in kilometers UTM zone 12 using the North American horizontal datum of 1927. Elevations are in meters using the North American vertical datum of 1929.

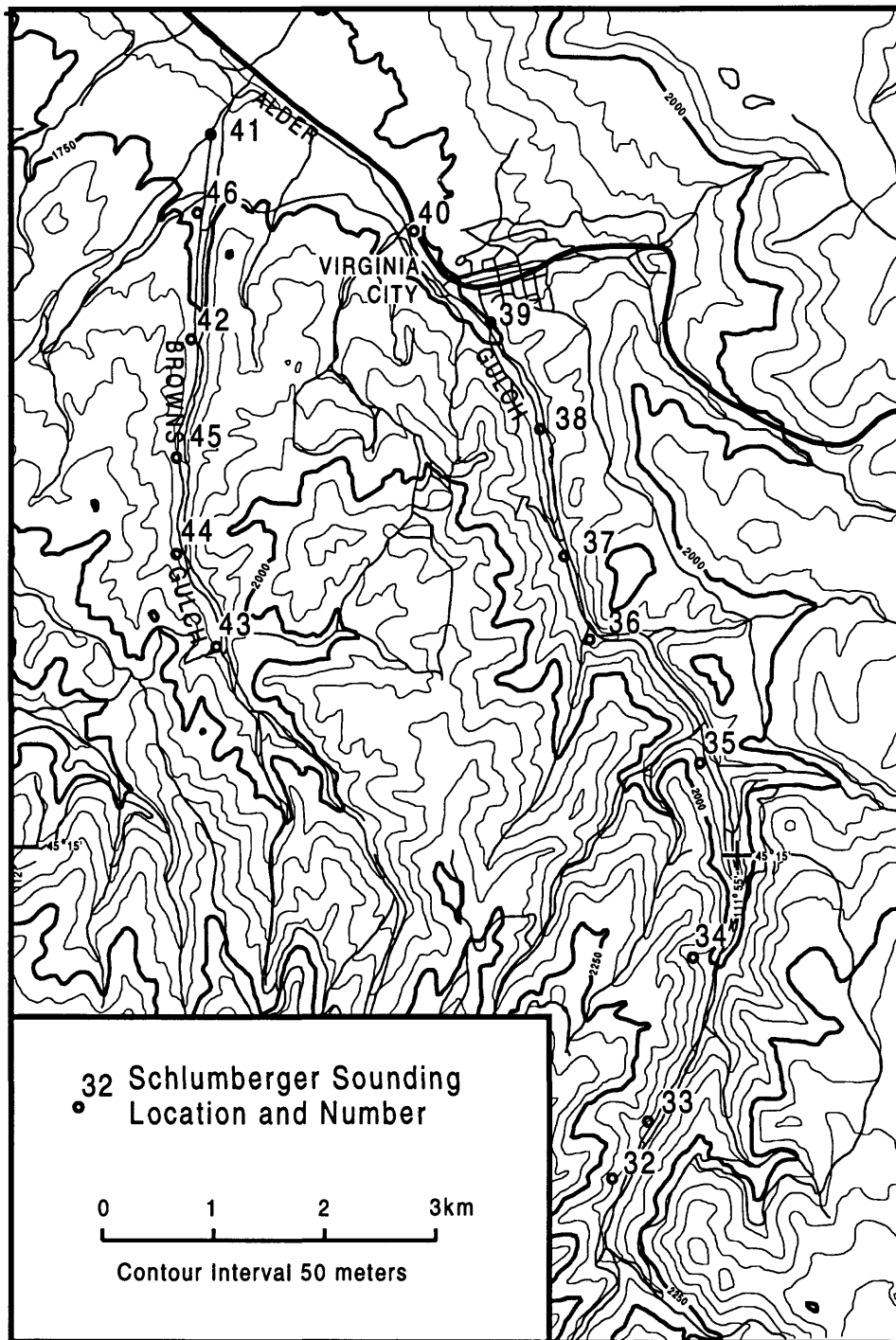


Figure 2. Map showing Schlumberger sounding locations near Virginia City, Montana.

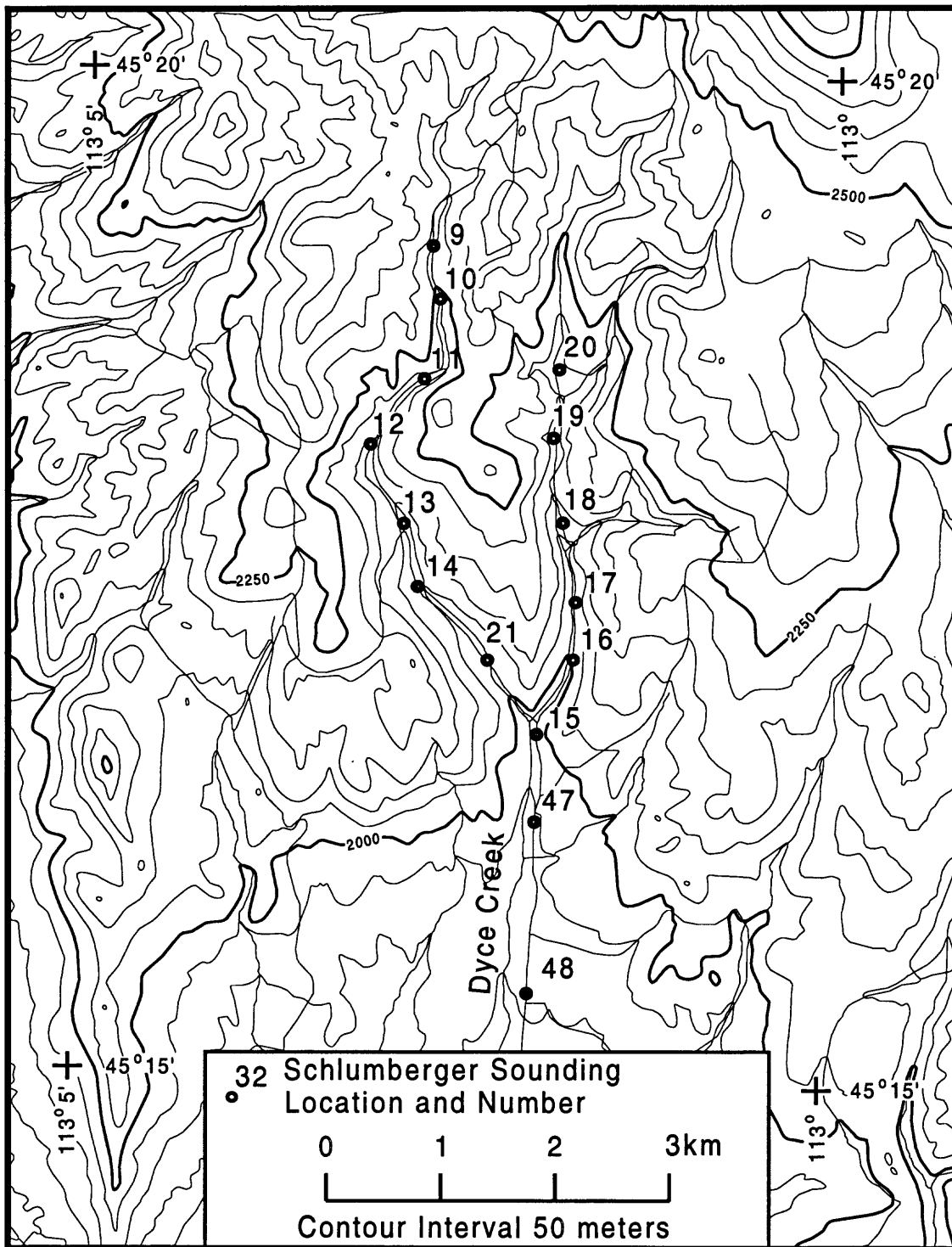


Figure 5. Map showing the Schlumberger sounding locations in the Dyce Creek Area, west of Dillon, Montana.

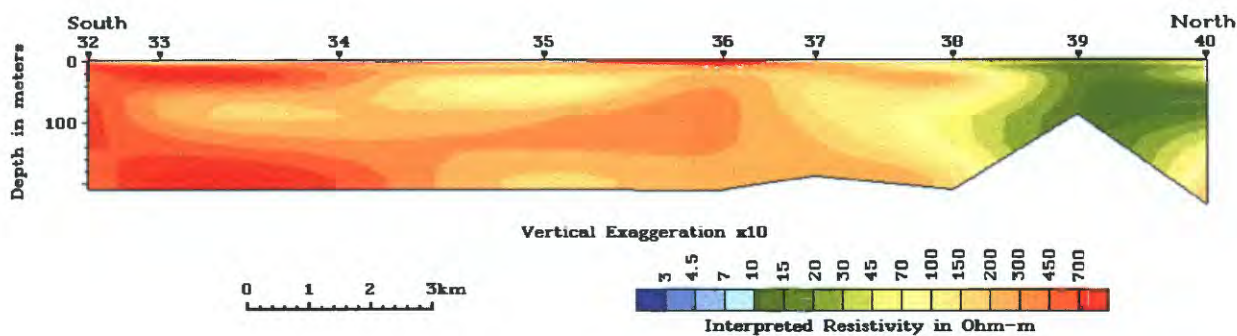


Figure 3. Geoelectrical cross section of the Schlumberger soundings along Alder Gulch near Virginia City, Montana.

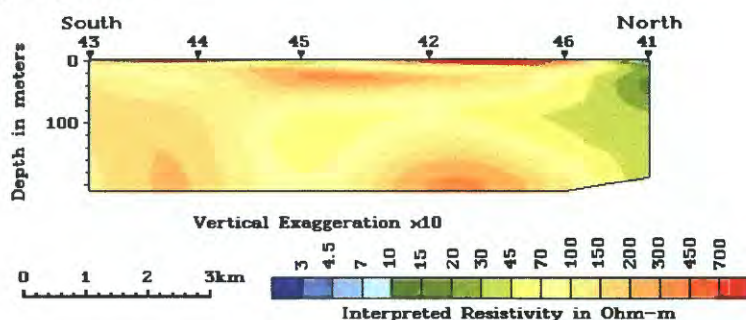


Figure 4. Geoelectrical cross section of the Schlumberger soundings made along Browns Gulch near Virginia City, Montana.

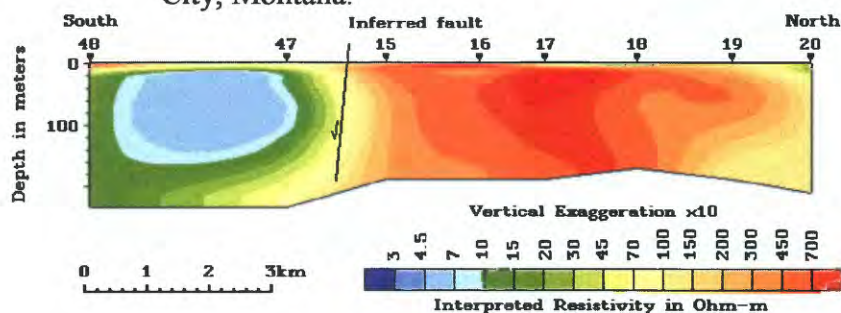


Figure 6. Geoelectrical cross section of the Schlumberger soundings along the east fork of Dyce Creek, Montana.

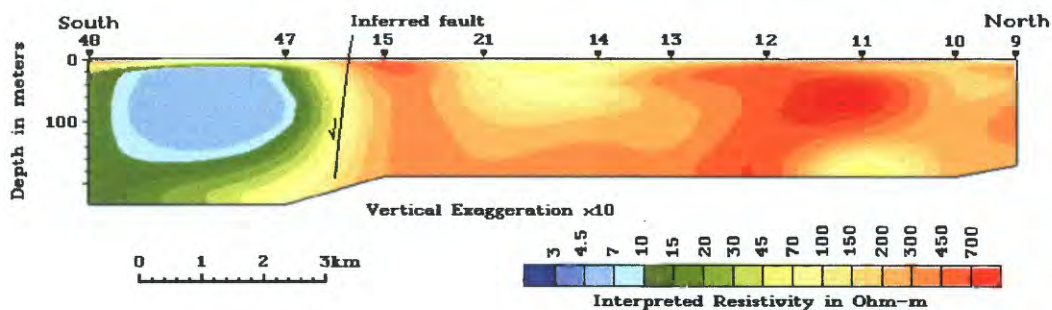


Figure 7. Geoelectrical cross section of the Schlumberger soundings along the west fork of Dyce Creek, Montana.

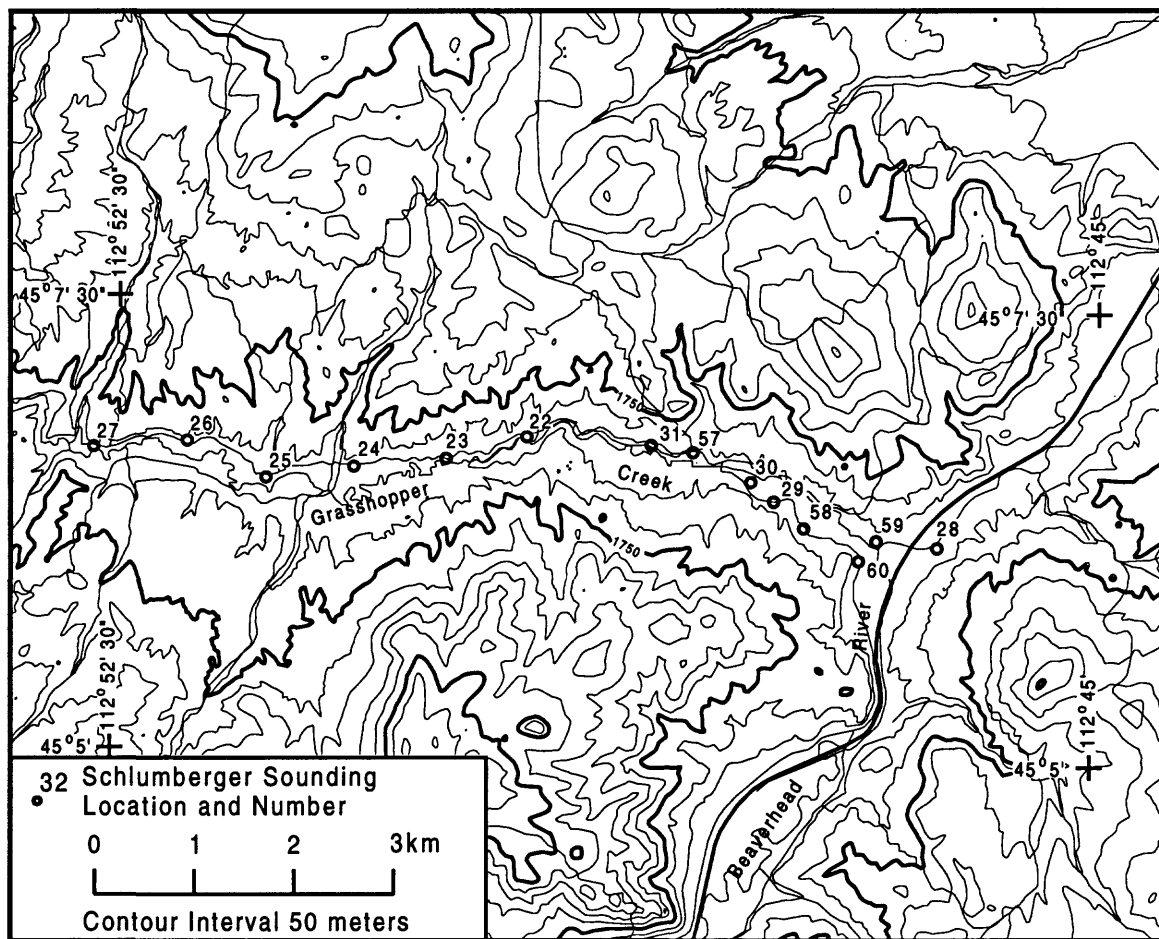


Figure 8. Map showing the location of the Schlumberger soundings made along Grasshopper Creek, Montana.

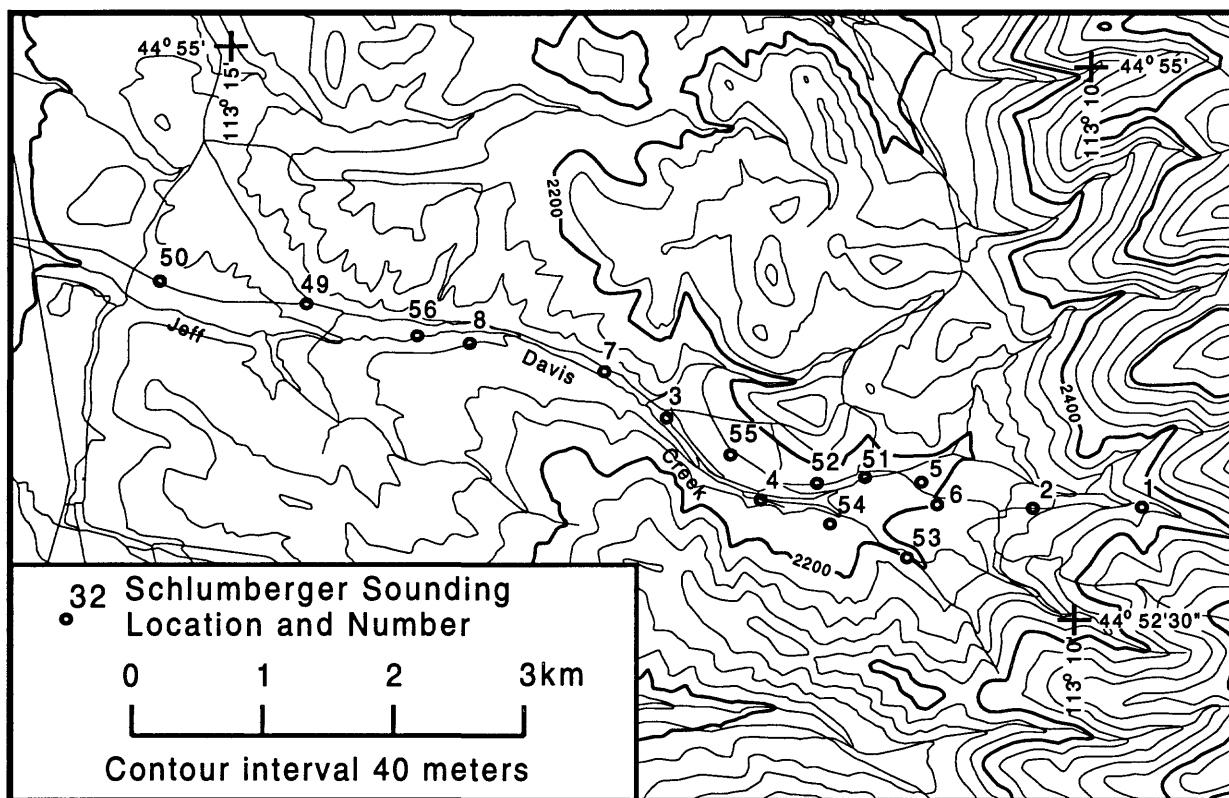


Figure 10. Map showing the location of the Schlumberger soundings made along Jeff Davis Creek, Montana.

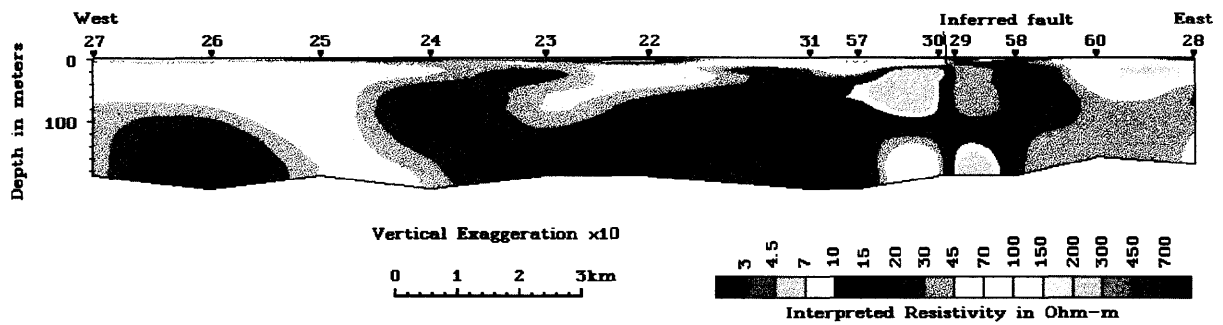


Figure 9. Geoelectrical cross section of the Schlumberger soundings made along Grasshopper Creek, Montana.

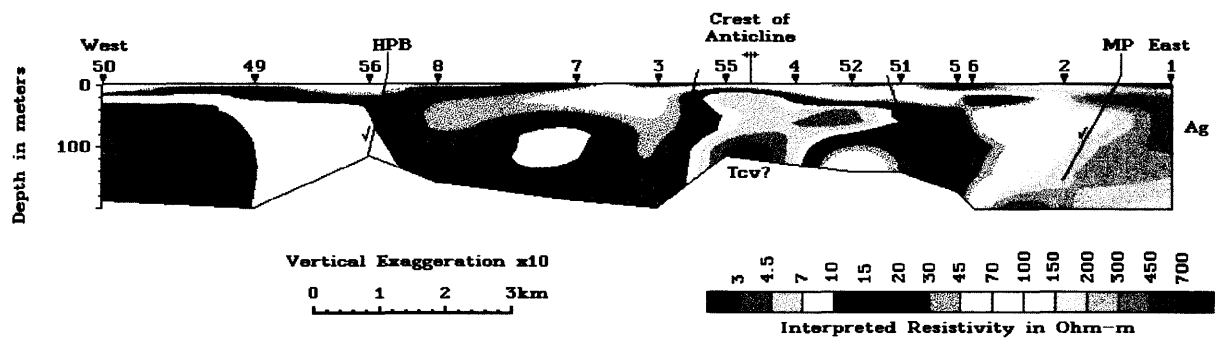
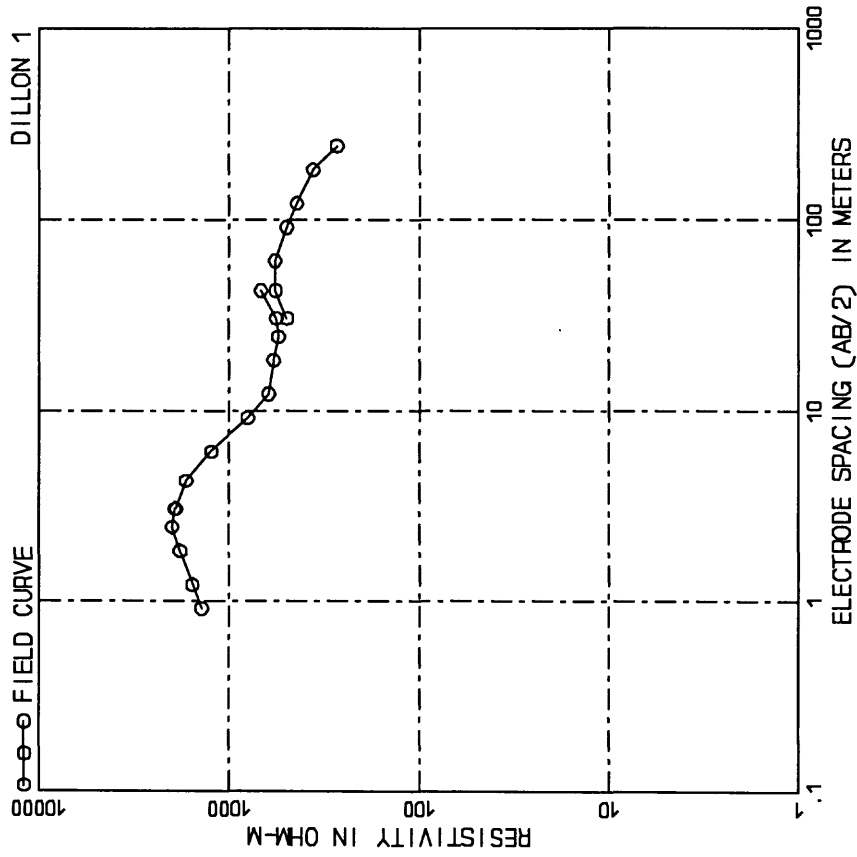
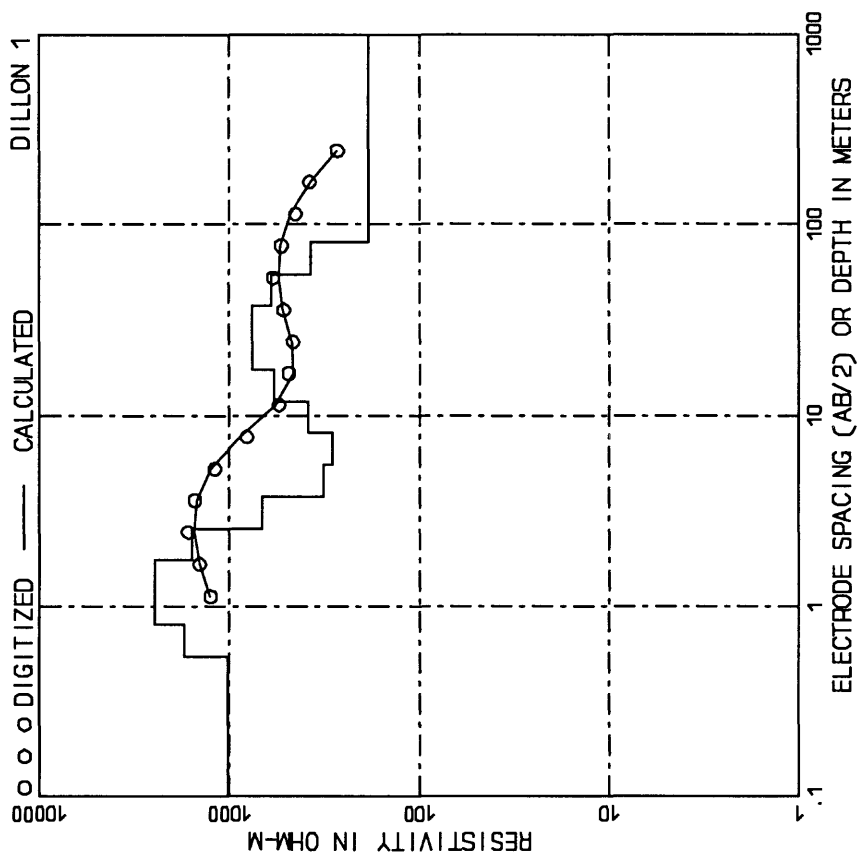


Figure 11. Geoelectrical cross section from the interpretation of Schlumberger soundings made along Jeff Davis Creek, Montana.

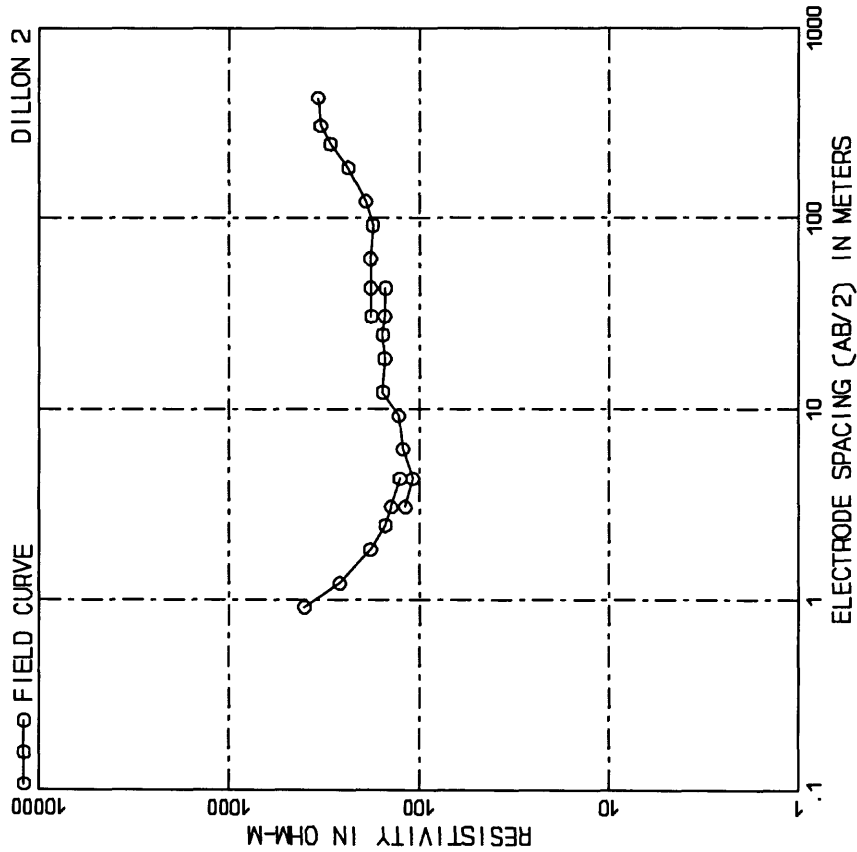
APPENDIX



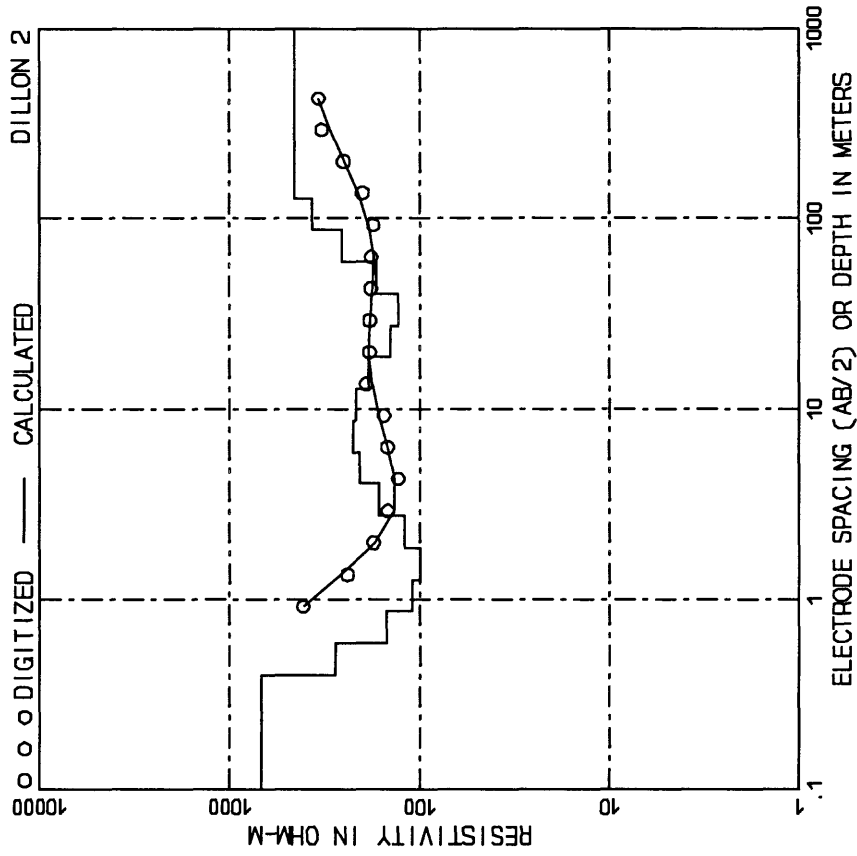
AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91	3.00	1395.00	18.29	60.00	582.00
1.23	4.00	1560.00	24.38	80.00	550.00
1.83	6.00	1800.00	30.48	100.00	566.00
2.43	8.00	1980.00	42.67	140.00	680.00
3.03	10.00	1920.00	50.91	160.00	495.00
3.63	12.00	1920.00	62.13	200.00	375.00
4.23	14.00	1920.00	73.37	240.00	340.00
4.83	16.00	1805.00	84.61	280.00	270.00
5.43	18.00	620.00	95.85	320.00	
6.03	20.00		107.09	360.00	
6.63	22.00		118.33	400.00	
7.23	24.00		129.57	440.00	
7.83	26.00		140.81	480.00	
8.43	28.00		152.05	520.00	
9.03	30.00		163.29	560.00	
9.63	32.00		174.53	600.00	
10.23	34.00		185.77	640.00	
10.83	36.00		197.01	680.00	
11.43	38.00		208.25	720.00	
12.03	40.00		219.49	760.00	
12.63	42.00		230.73	800.00	



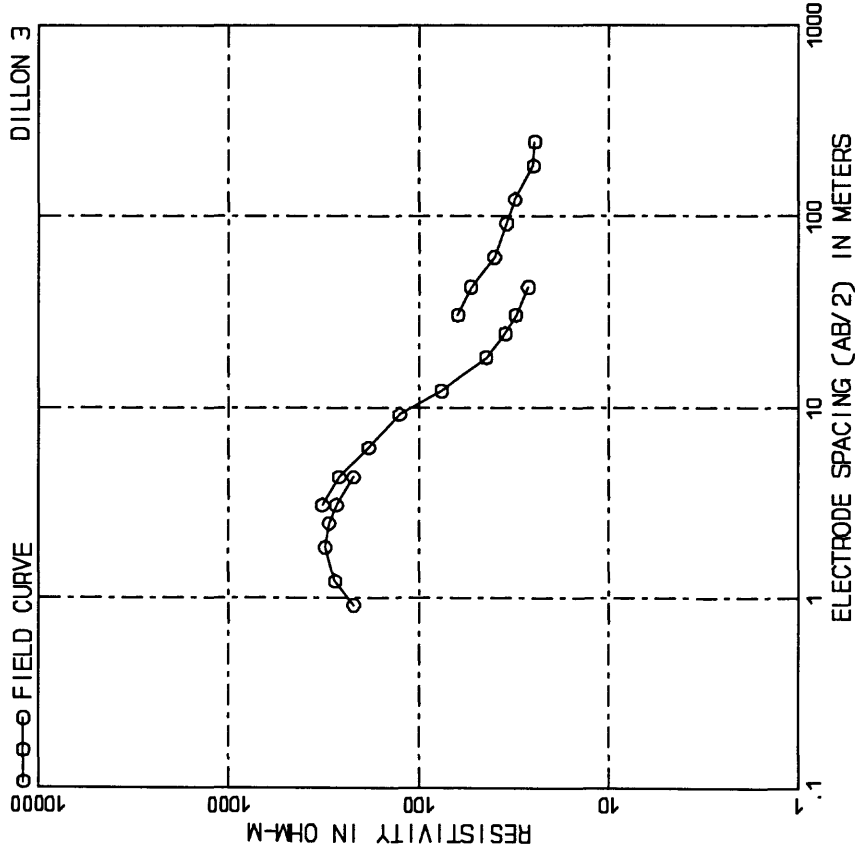
DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.55	1.80	1018.97	8.07	26.49	285.85
0.81	2.65	1713.33	11.85	38.88	383.66
1.19	3.89	2449.84	17.39	57.07	573.42
1.74	5.71	2442.15	25.33	83.76	760.20
2.55	8.38	1542.59	37.47	123.35	950.13
3.55	12.23	974.77	55.01	180.47	1283.33
3.75	13.05	316.42	80.74	265.89	184.21
			99999.00	(99999.00)	



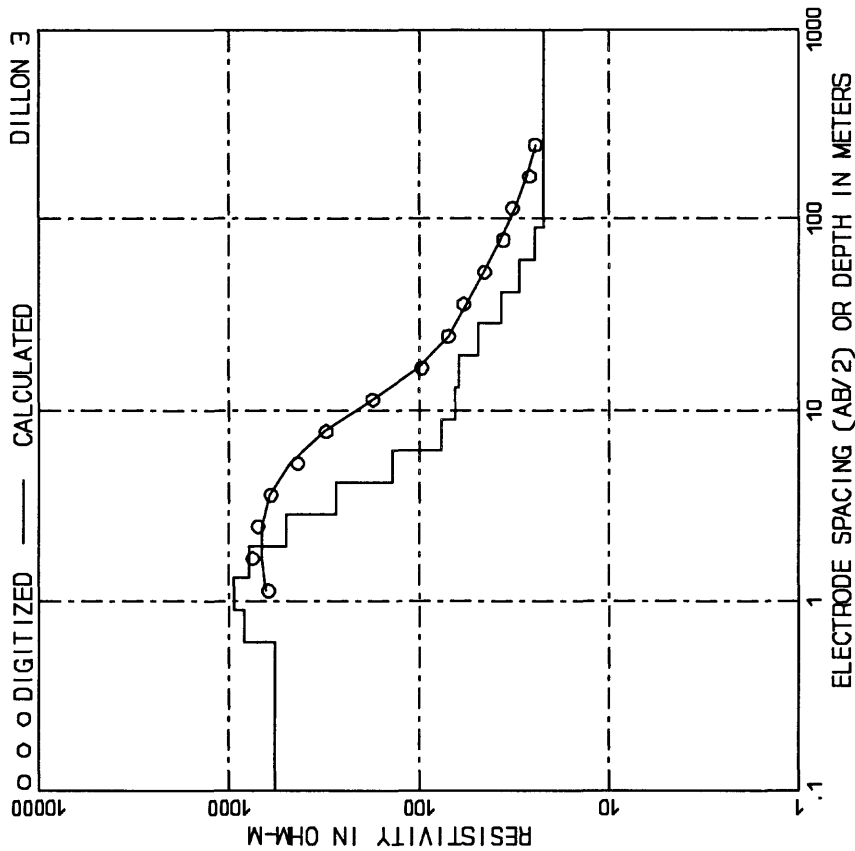
AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91	3.00	400.00	24.38	80.00	155.00
1.23	4.00	260.00	30.48	100.00	151.00
1.83	6.00	180.00	42.67	140.00	150.00
2.74	9.00	140.00	60.96	200.00	178.00
3.96	13.00	128.00	84.14	280.00	180.00
5.79	19.00	108.00	121.92	400.00	199.00
8.41	28.00	102.00	162.88	600.00	231.00
12.19	40.00	128.00	204.80	800.00	292.00
18.29	60.00	152.00	286.72	1400.00	340.00



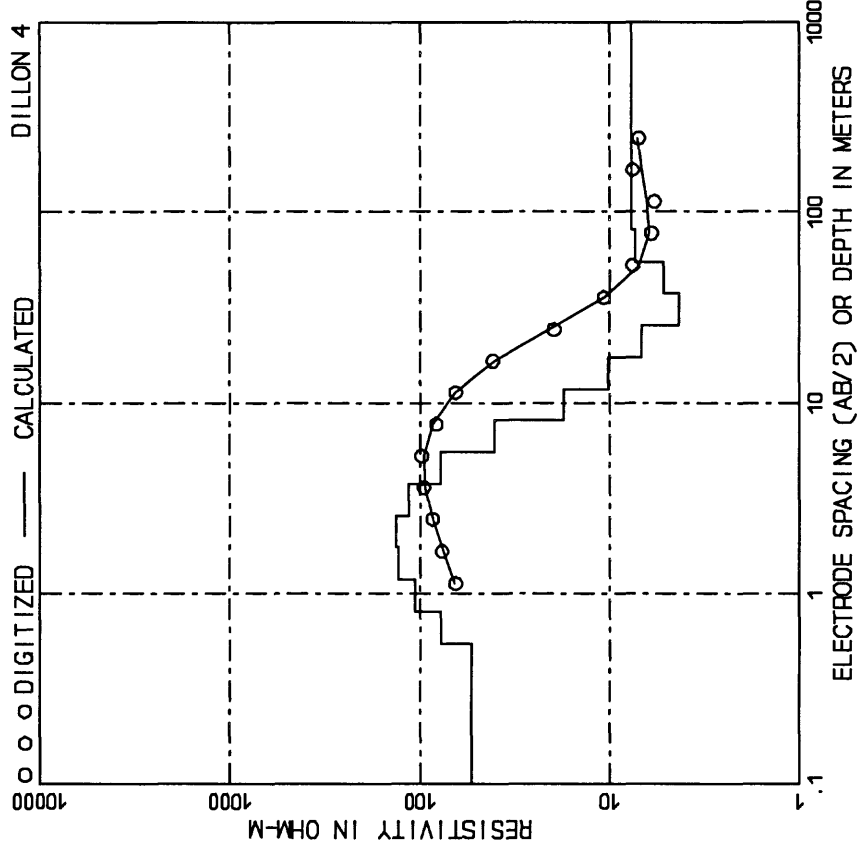
DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.40	1.32	684.18	8.66	28.42	224.16
0.59	1.94	276.64	12.72	41.72	216.42
0.87	2.84	149.71	18.66	61.24	183.93
1.27	4.17	109.83	27.40	89.88	142.85
1.87	6.12	99.76	40.21	131.93	129.48
2.74	8.99	119.85	58.02	193.63	107.80
3.96	13.33	202.23	84.14	274.20	127.27
5.79	19.36		121.92	399.99	156.45
			99999.00	(99999.00)	



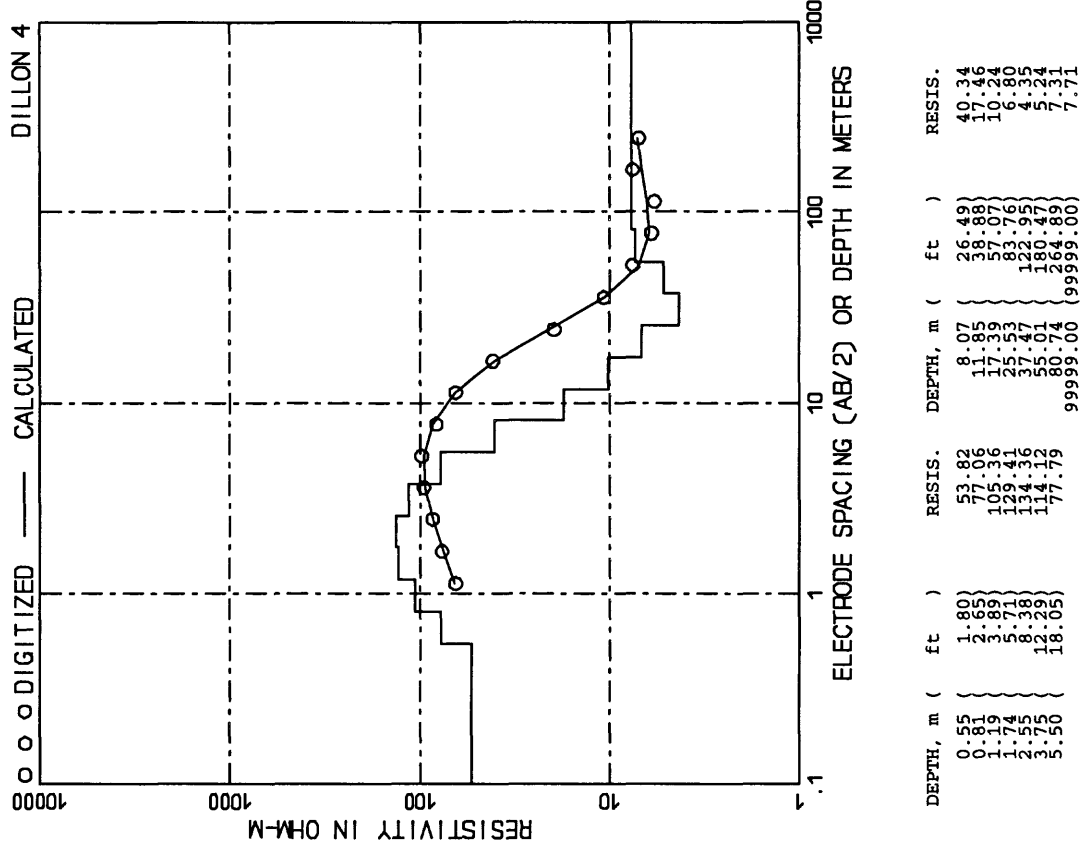
AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91	3.00	220.00	18.29	60.00	44.00
1.23	4.00	275.00	24.38	80.00	35.00
1.83	6.00	308.00	30.47	100.00	30.80
2.44	8.00	295.00	36.57	140.00	20.50
3.05	10.00	270.00	42.67	180.00	15.00
3.66	12.00	220.00	48.76	200.00	10.00
4.27	14.00	220.00	54.86	240.00	7.00
4.88	16.00	262.00	60.96	300.00	4.50
5.49	18.00	183.00	67.05	400.00	3.10
6.10	20.00	126.00	73.15	600.00	2.80
6.71	22.00	76.00	79.25	800.00	24.50
7.32	24.00				



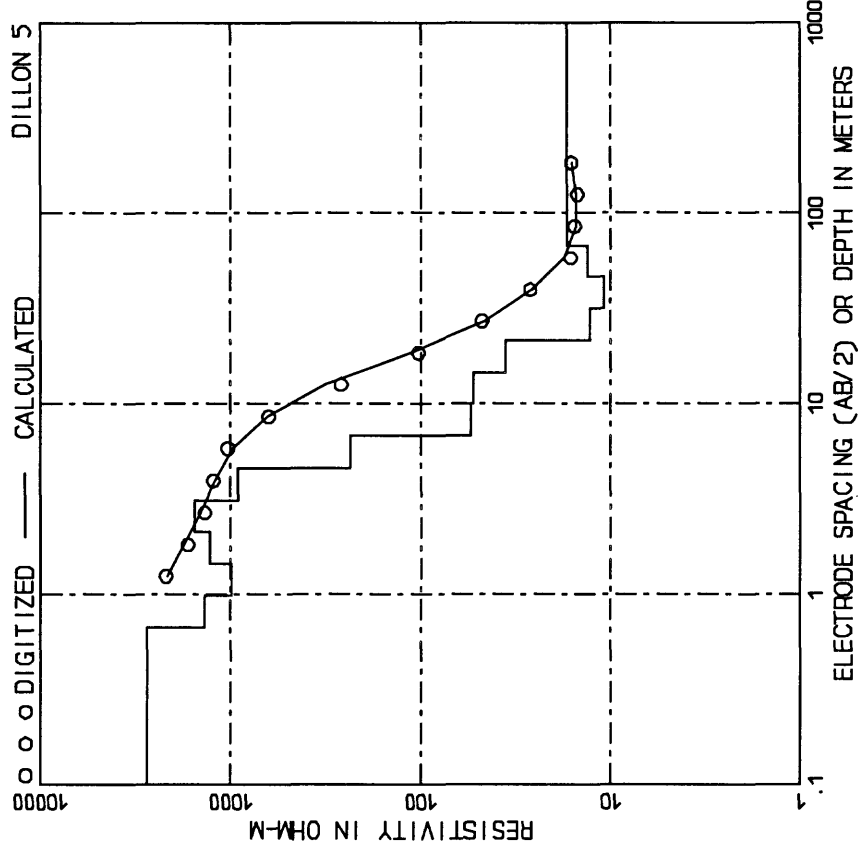
DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.61	2.01	576.14	8.97	29.43	76.56
1.22	4.00	825.06	13.17	43.20	64.24
1.83	6.00	925.06	19.27	63.87	43.56
2.44	8.00	781.23	25.37	83.57	35.05
3.05	10.00	501.23	31.47	103.27	26.67
3.66	12.00	272.73	37.57	122.97	21.42
4.27	14.00	137.10	43.67	142.67	21.98
4.88	16.00		49.77	162.37	
5.49	18.00		55.87	182.07	
6.10	20.00		61.97	201.77	
			68.07	221.47	
			74.17	241.17	
			80.27	260.87	
			86.37	280.57	
			92.47	300.27	
			98.57	319.97	
			104.67	339.67	
			110.77	359.37	
			116.87	379.07	
			122.97	398.77	
			129.07	418.47	
			135.17	438.17	
			141.27	457.87	
			147.37	477.57	
			153.47	497.27	
			159.57	516.97	
			165.67	536.67	
			171.77	556.37	
			177.87	576.07	
			183.97	595.77	
			190.07	615.47	
			196.17	635.17	
			202.27	654.87	
			208.37	674.57	
			214.47	694.27	
			220.57	713.97	
			226.67	733.67	
			232.77	753.37	
			238.87	773.07	
			244.97	792.77	
			251.07	812.47	
			257.17	832.17	
			263.27	851.87	
			269.37	871.57	
			275.47	891.27	
			281.57	910.97	
			287.67	930.67	
			293.77	950.37	
			299.87	970.07	
			305.97	989.77	
			312.07	1009.47	
			318.17	1029.17	
			324.27	1048.87	
			330.37	1068.57	
			336.47	1088.27	
			342.57	1107.97	
			348.67	1127.67	
			354.77	1147.37	
			360.87	1167.07	
			366.97	1186.77	
			373.07	1206.47	
			379.17	1226.17	
			385.27	1245.87	
			391.37	1265.57	
			397.47	1285.27	
			403.57	1304.97	
			409.67	1324.67	
			415.77	1344.37	
			421.87	1364.07	
			427.97	1383.77	
			434.07	1403.47	
			440.17	1423.17	
			446.27	1442.87	
			452.37	1462.57	
			458.47	1482.27	
			464.57	1501.97	
			470.67	1521.67	
			476.77	1541.37	
			482.87	1561.07	
			488.97	1580.77	
			495.07	1600.47	
			501.17	1620.17	
			507.27	1639.87	
			513.37	1659.57	
			519.47	1679.27	
			525.57	1698.97	
			531.67	1718.67	
			537.77	1738.37	
			543.87	1758.07	
			549.97	1777.77	
			556.07	1797.47	
			562.17	1817.17	
			568.27	1836.87	
			574.37	1856.57	
			580.47	1876.27	
			586.57	1895.97	
			592.67	1915.67	
			598.77	1935.37	
			604.87	1955.07	
			610.97	1974.77	
			617.07	1994.47	
			623.17	2014.17	
			629.27	2033.87	
			635.37	2053.57	
			641.47	2073.27	
			647.57	2092.97	
			653.67	2112.67	
			659.77	2132.37	
			665.87	2152.07	
			671.97	2171.77	
			678.07	2191.47	
			684.17	2211.17	
			690.27	2230.87	
			696.37	2250.57	
			702.47	2270.27	
			708.57	2289.97	
			714.67	2309.67	
			720.77	2329.37	
			726.87	2349.07	
			732.97	2368.77	
			739.07	2388.47	
			745.17	2408.17	
			751.27	2427.87	
			757.37	2447.57	
			763.47	2467.27	
			769.57	2486.97	
			775.67	2506.67	
			781.77	2526.37	
			787.87	2546.07	
			793.97	2565.77	
			799.07	2585.47	
			805.17	2605.17	
			811.27	2624.87	
			817.37	2644.57	
			823.47	2664.27	
			829.57	2683.97	
			835.67	2703.67	
			841.77	2723.37	
			847.87	2743.07	
			853.97	2762.77	
			860.07	2782.47	
			866.17	2802.17	
			872.27	2821.87	
			878.37	2841.57	
			884.47	2861.27	
			890.57	2880.97	
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			902.77	2920.37	
			908.87	2940.07	
			914.97	2959.77	
			921.07	2979.47	
			927.17	2999.17	
			933.27	3018.87	
			939.37	3038.57	
			945.47	3058.27	
			951.57	3077.97	
			957.67	3097.67	
			963.77	3117.37	
			969.87	3137.07	
			975.97	3156.77	
			982.07	3176.47	
			988.17	3196.17	
			994.27	3215.87	
			1000.37	3235.57	
			1006.47	3255.27	
			1012.57	3274.97	
			1018.67	3294.67	
			1024.77	3314.37	
			1030.87	3334.07	
			1036.97	3353.77	
			1043.07	3373.47	
			1049.17	3393.17	
			1055.27	3412.87	
			1061.37	3432.57	
			1067.47	3452.27	
			1073.57	3471.97	
			1079.67	3491.67	
			1085.77	3511.37	
			1091.87	3531.07	
			1097.97	3550.77	
			1104.07	3570.47	
			1110.17	3590.17	
			1116.27	3609.87	
			1122.37	3629.57	
			1128.47	3649.27	
			1134.57	3668.97	
			1140.67	3688.67	
			1146.77	3708.37	
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			1158.97	3747.77	
			1165.07	3767.47	
			1171.17	3787.17	
			1177.27	3806.87	
			1183.37	3826.57	
			1189.47	3846.27	
			1195.57	3865.97	
			1201.67	3885.67	
			1207.77	3905.37	
			1213.87	3925.07	
			1219.97	3944.77	
			1226.07	3964.47	
			1232.17	3984.17	
			1238.27	4003.87	
			1244.37	4023.57	
			1250.47	4043.27	
			1256.57	4062.97	
			1262.67	4082.67	
			1268.77	4102.37	
			1274.87	4122.07	
			1280.97	4141.77	
			1287.07	4161.47	
			1293.17	4181.17	
			1299.27	4200.87	
			1305.37	4220.57	
			1311.47	4240.27	
			1317.57	4259.97	
			1323.67	4279.67	
			1329.77	4299.37	
			1335.87	4319.07	
			1341.97	4338.77	
			1348.07	4358.47	
			1354.17	4378.17	
			1360.27	4397.87	
			1366.37	4417.57	
			1372.47	4437.27	
			1378.57	4456.97	
			1384.67	4476.67	
			1390.77	4496.37	
			1396.87	4516.07	
			1402.97	4535.77	
			1409.07	4555.47	
			1415.17	4575.17	
			1421.27	4594.87	
			1427.37	4614.57	
			1433.47	4634.27	
			1439.57	4653.97	
			1445.67	4673.67	
			1451.77	4693.37	
			1457.87	4713.07	
			1463.97	4732.77	
			1470.07	4752.47	
			1476.17	4772.17	
			1482.27	4791.87	
			1488.37	4811.57	
			1494.47	4831.27	
			1500.57	4850.97	
			1506.67	4870.67	
			1512.77	4890.37	
			1518.87	4910.07	
			1524.97	4929.77	
			1531.07	4949.47	
			1537.17	4969.17	
			1543.27	4988.87	
			1549.37	5008.57	
			1555.47	5028.27	
			1561.57	5047.97	
			1567.67	5067.67	
			1573.77	5087.37	
			1579.87	5107.07	
			1585.97	5126.77	
			1592.07	5146.47	
			1598.17	5166.17	
			1604.27	5185.87	
			1610.37	5205.57	
			1616.47	5225.27	
			1622.57	5244.97	
			1628.67	5264.67	
			1634.77	5284.37	
			1640.87	5304.07	
			1646.97	5323.77	
			1653.07	5343.47	
			1659.17	5363.17	
			1665.27	5382.87	
			1671.37	5402.57	
			1677.47	5422.27	
			1683.57	5441.97	
			1689.67	5461.67	
			1695.77	5481.37	
			1701.87	5501.07	
			1707.97	5520.77	
			1714.07	5540.47	



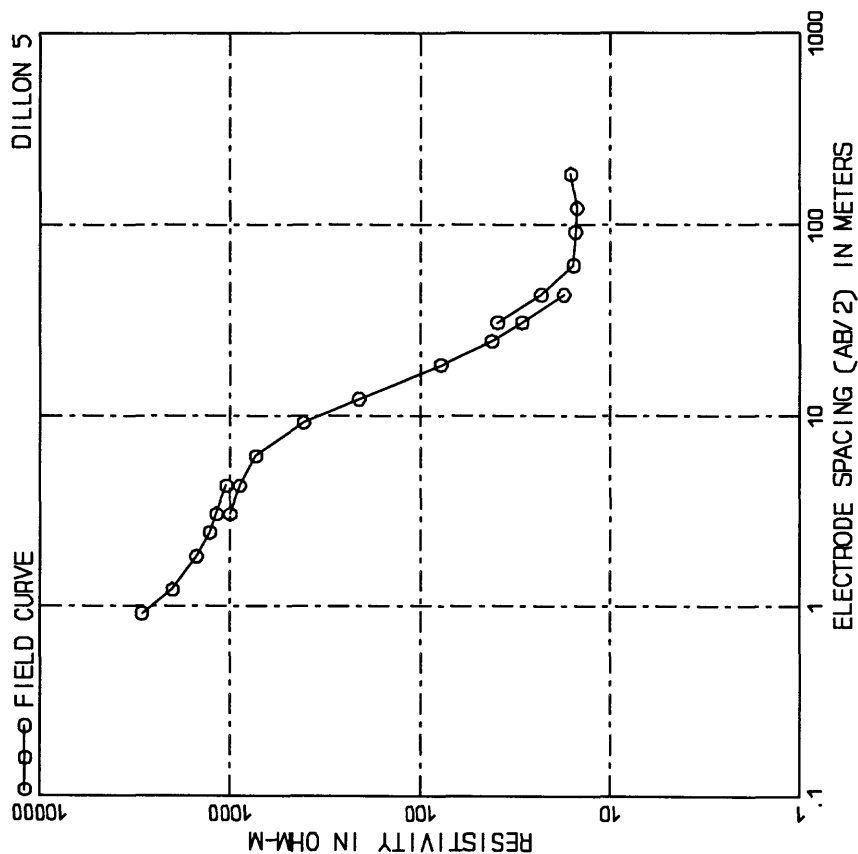
AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91	3.00	66.00	12.19	40.00	63.00
1.22	4.00	64.00	18.29	60.00	35.00
1.83	6.00	78.00	34.38	110.00	20.40
2.44	8.00	84.00	30.48	100.00	13.50
3.05	10.00	86.00	30.48	100.00	13.50
3.66	12.00	86.00	42.67	140.00	9.00
4.27	14.00	83.00	60.36	200.00	7.80
4.88	16.00	83.00	121.84	400.00	5.80
5.49	18.00	82.00	121.84	400.00	5.80
6.10	20.00	80.00	243.84	800.00	7.00



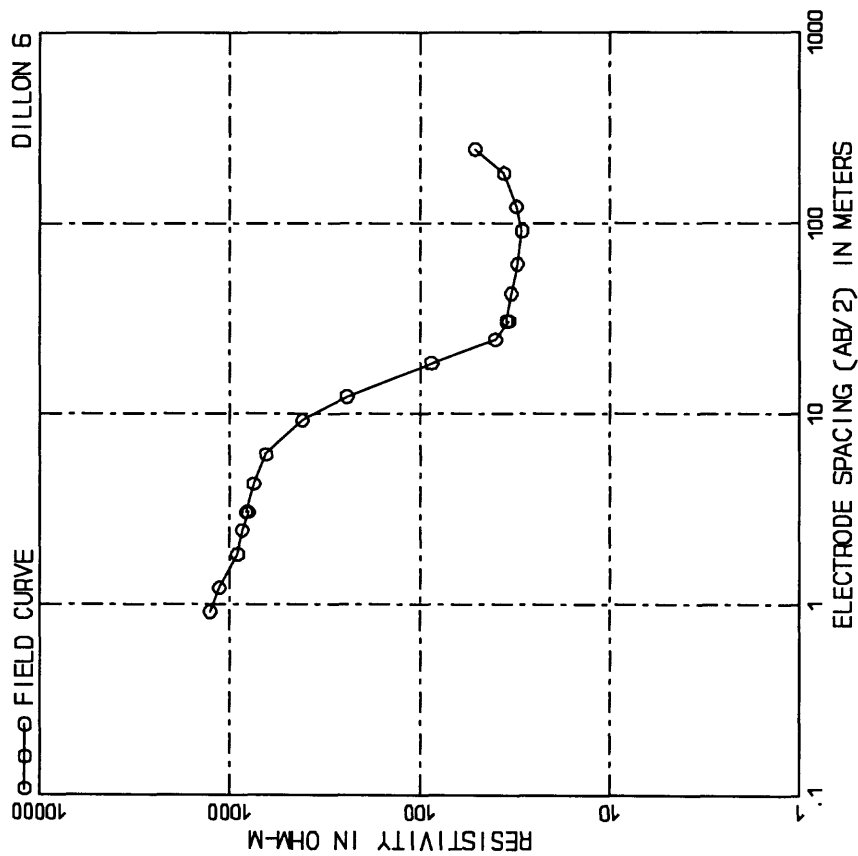
DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.55	1.80	53.82	8.07	26.49	40.34
0.81	2.65	77.06	11.85	38.88	17.46
1.19	3.89	105.36	17.39	57.07	10.24
1.74	5.71	129.41	25.53	83.76	6.80
2.35	7.73	134.36	37.47	122.95	4.35
3.25	10.66	174.12	55.91	184.49	2.34
5.50	18.05	177.79	80.74	264.89	7.71
			99999.00	(99999.00)	



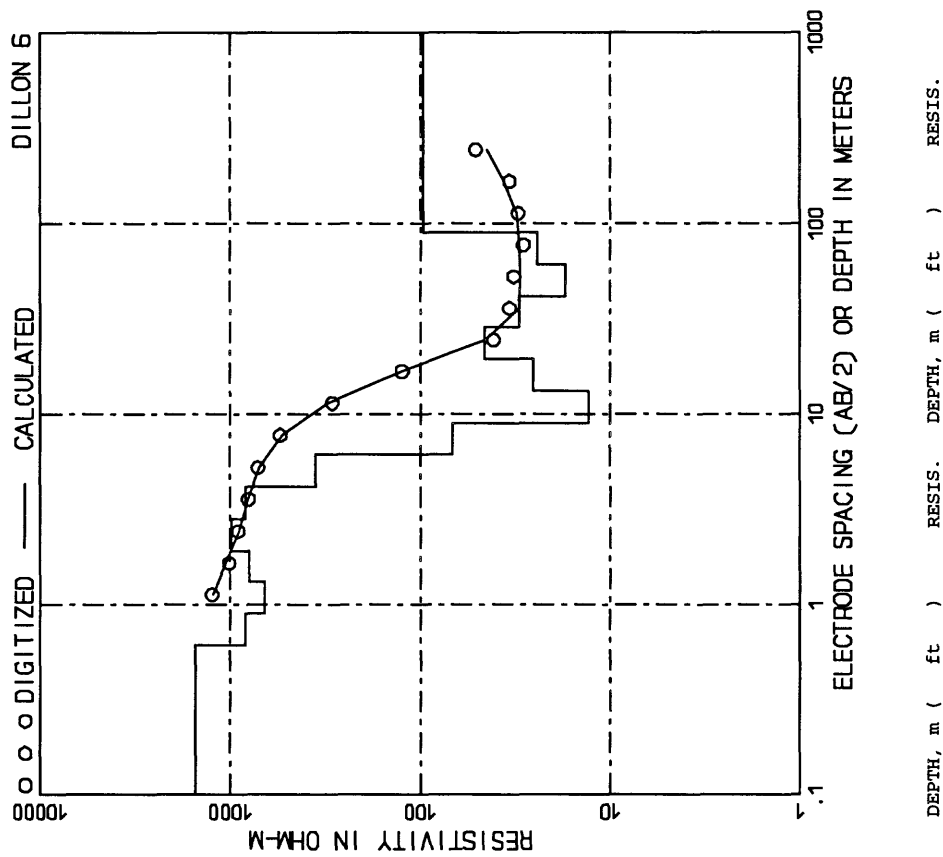
DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.67	{	2743.06	9.88	{	32.40
0.99	{	1360.17	14.50	{	47.56
1.45	{	991.56	21.28	{	69.80
2.13	{	1295.38	31.23	{	102.46
3.12	{	1560.53	45.84	{	150.39
4.58	{	917.23	67.28	{	220.74
6.73	{	232.23	99999.00	{	99999.00



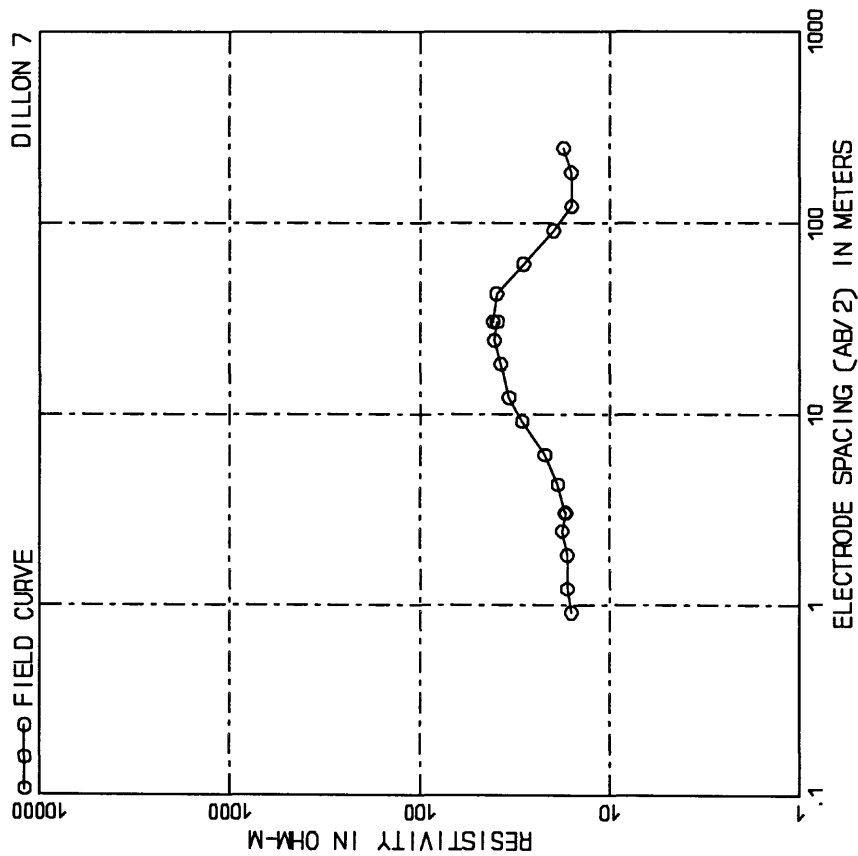
AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91	{	2900.00	12.19	{	210.00
1.23	{	2000.00	18.29	{	78.00
1.83	{	1500.00	24.38	{	42.00
2.57	{	1175.00	30.48	{	29.00
3.57	{	1045.00	42.67	{	17.50
5.07	{	1000.00	60.48	{	39.00
7.14	{	585.00	82.67	{	23.00
9.88	{	410.00	121.44	{	13.30
	{		182.88	{	12.10



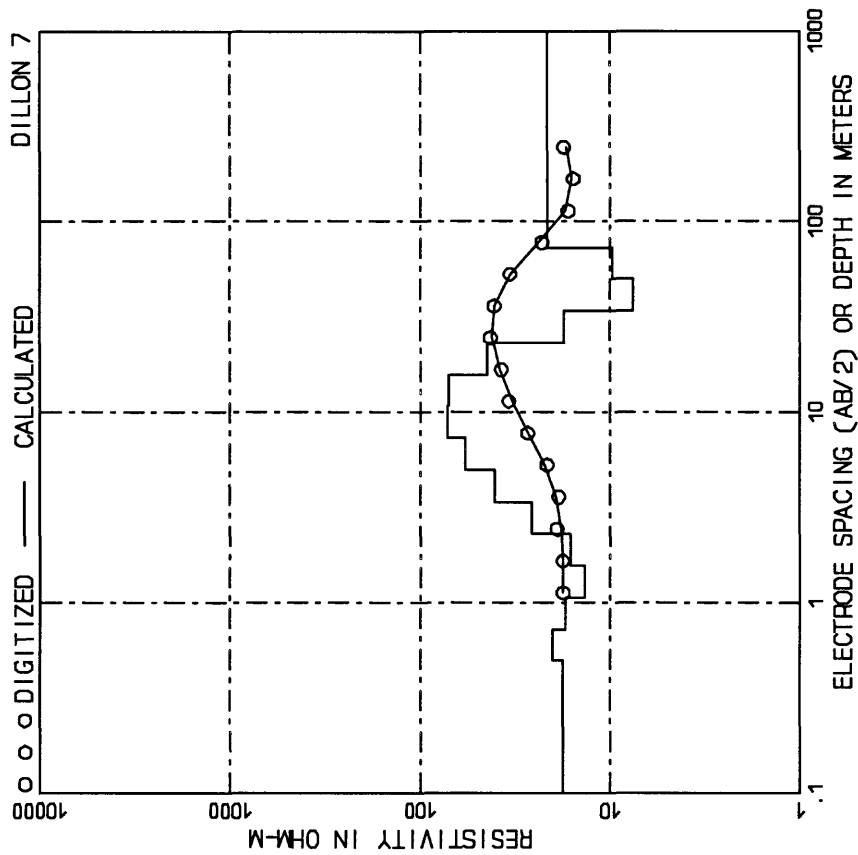
AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91	3.00	1270.00	18.28	60.00	87.00
1.23	4.00	1175.00	24.38	80.00	40.00
1.54	5.00	1130.00	30.48	100.00	30.00
2.13	7.00	800.00	40.67	140.00	35.00
2.72	9.00	800.00	50.86	200.00	30.50
3.41	11.00	700.00	61.05	300.00	29.00
4.10	13.00	625.00	91.44	400.00	31.00
5.00	16.00	475.00	121.83	600.00	32.00
6.00	20.00	242.00	182.84	800.00	51.00
12.19	40.00				



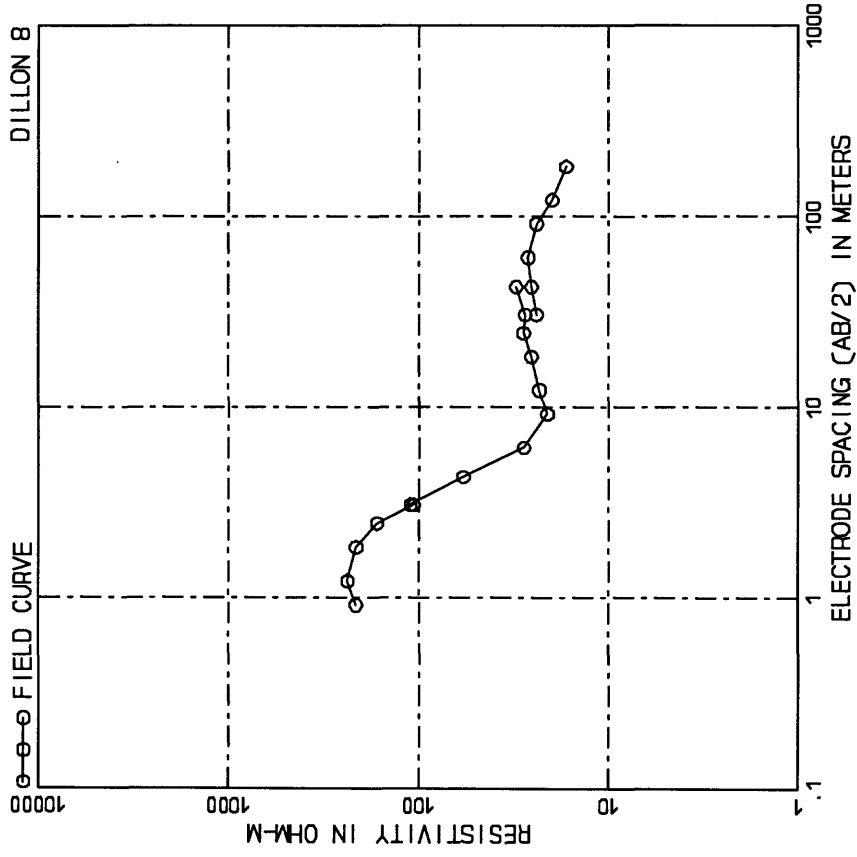
DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.61	2.01	1523.79	8.97	29.43	67.71
0.70	2.30	827.31	13.17	43.20	12.93
1.23	4.04	858.82	19.35	63.41	23.73
1.83	6.01	800.71	28.27	93.41	10.15
2.72	9.00	831.11	41.12	136.01	17.18
6.11	20.05	353.95	86.71	284.32	24.33
			99998.00	99999.00	96.77



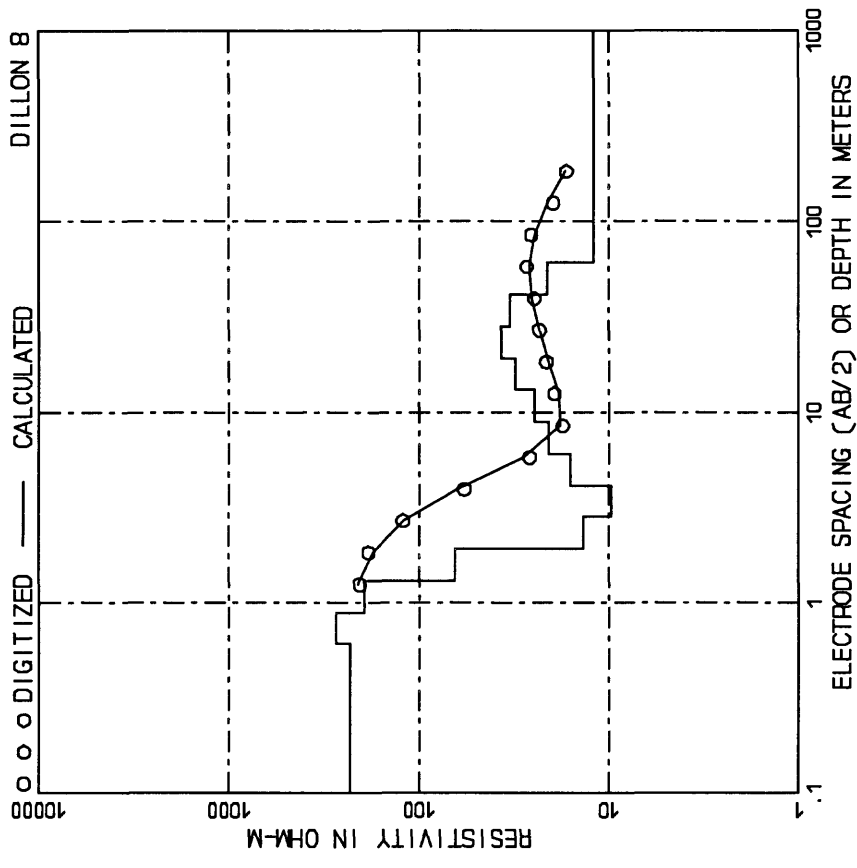
AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91	3.00	16.00	18.29	60.00	37.50
1.22	4.00	16.80	24.38	80.00	40.50
1.53	5.00	16.80	30.48	100.00	31.00
2.13	7.00	17.00	36.57	120.00	31.50
2.74	9.00	17.30	42.66	140.00	28.50
3.35	11.00	17.30	48.76	160.00	19.80
4.27	14.00	18.80	54.85	200.00	16.00
5.19	17.00	22.00	60.95	240.00	16.00
6.11	20.00	22.00	67.04	280.00	17.50
7.03	23.00	34.00	73.14	320.00	17.50
8.91	29.00		85.33	280.00	
12.19	40.00		97.52	320.00	



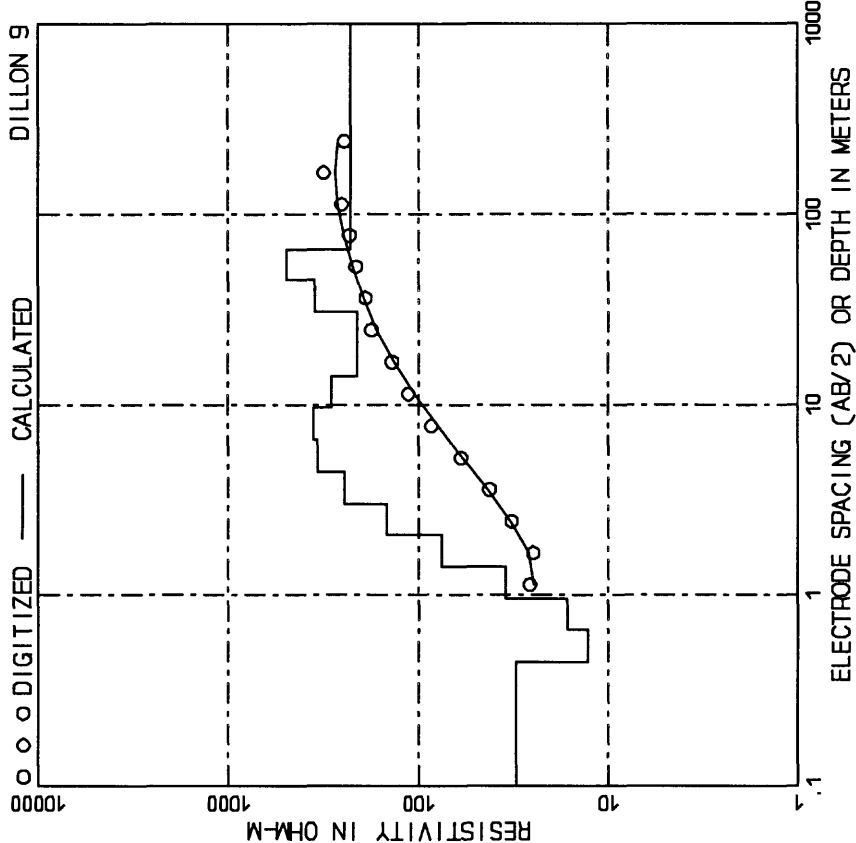
DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.50	1.62	17.69	7.27	23.84	57.33
0.73	2.38	20.20	10.65	34.93	72.91
1.07	3.50	17.18	13.65	44.76	70.24
1.57	5.14	13.95	22.73	74.55	14.42
2.30	7.54	28.73	33.51	110.35	17.53
3.37	11.04	40.27	42.61	139.40	9.28
4.95	16.24		9999.00	9999.00	21.40



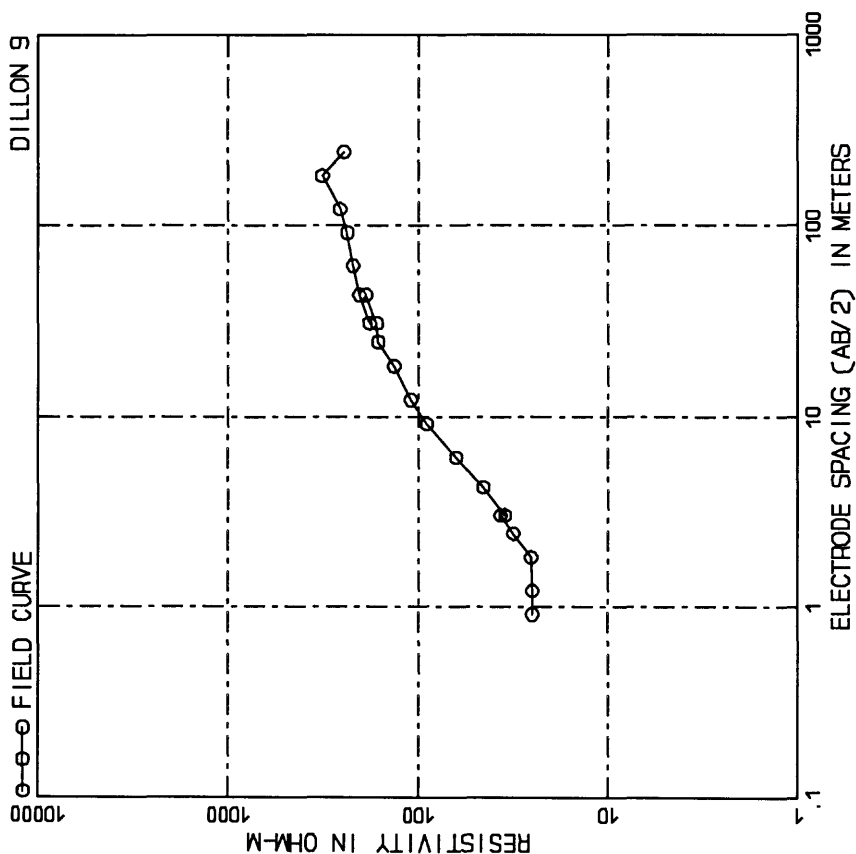
AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91	3.00	213.00	18.29	60.00	25.50
1.22	4.00	235.00	24.38	80.00	28.00
1.83	6.00	212.00	30.46	100.00	37.50
2.71	9.00	162.00	42.64	140.00	30.50
3.90	13.00	106.00	60.49	200.00	24.50
5.59	18.00	75.00	84.67	280.00	23.50
8.14	27.00	59.00	121.94	400.00	26.00
11.70	38.00	47.00	181.88	600.00	16.80
16.79	55.00	37.00			



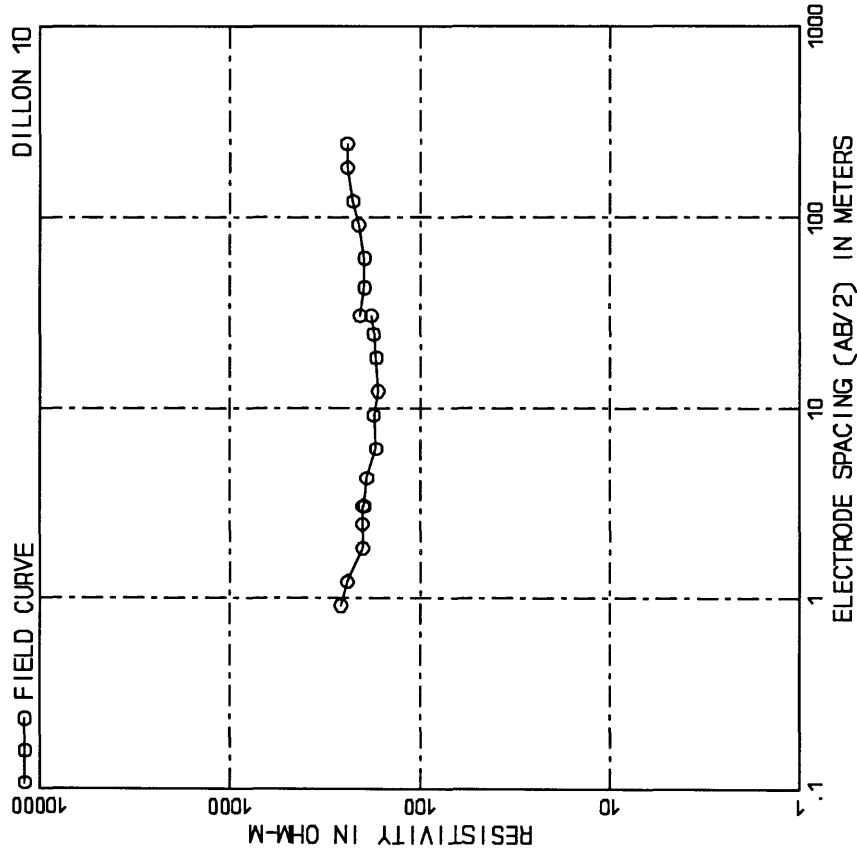
DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.61	1.99	228.25	8.89	29.16	20.60
0.89	2.92	271.64	13.05	42.80	24.60
1.30	4.28	193.87	19.15	62.82	31.06
1.91	6.28	64.31	28.11	92.21	37.09
2.71	8.90	43.95	41.25	135.35	33.30
4.13	13.53	15.87	60.35	199.99.00	22.10
6.06	19.87		99.99.00	99999.00	12.10



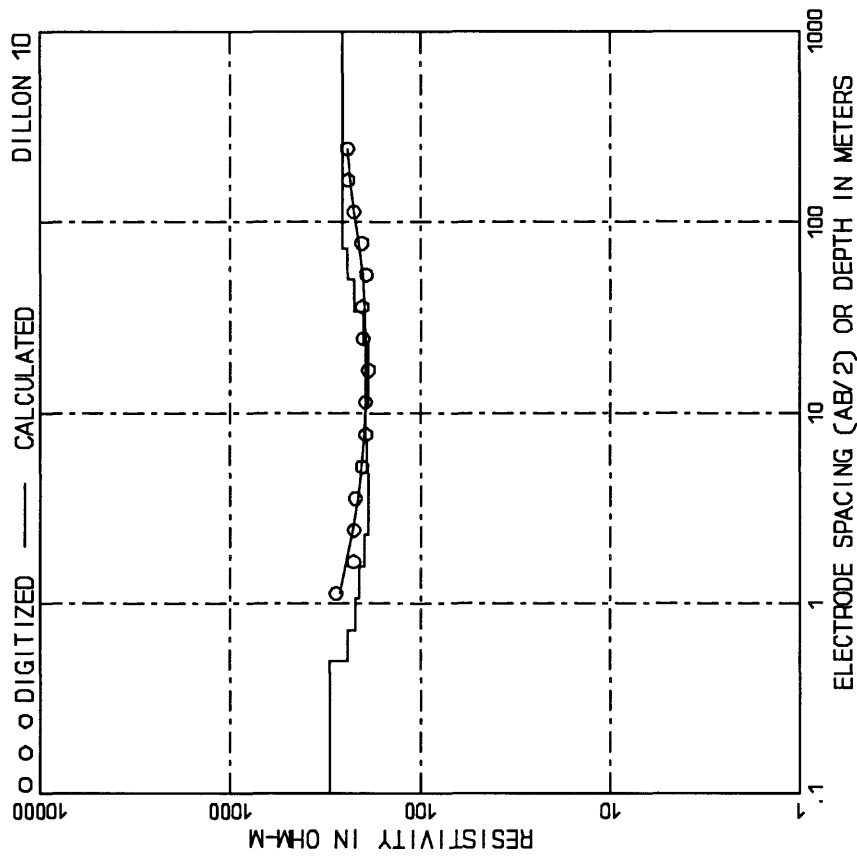
DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.45	1.46	30.80	6.54	21.46	35.95
0.65	2.13	12.89	9.60	31.49	35.23
0.96	3.15	16.33	14.09	46.23	285.33
1.41	4.62	34.39	20.68	67.85	207.93
2.07	6.78	174.97	30.35	99.59	210.74
3.04	9.96	145.81	44.55	146.18	349.96
4.46	14.62	243.50	65.40	214.56	491.06
			99999.00	(99999.00)	226.70



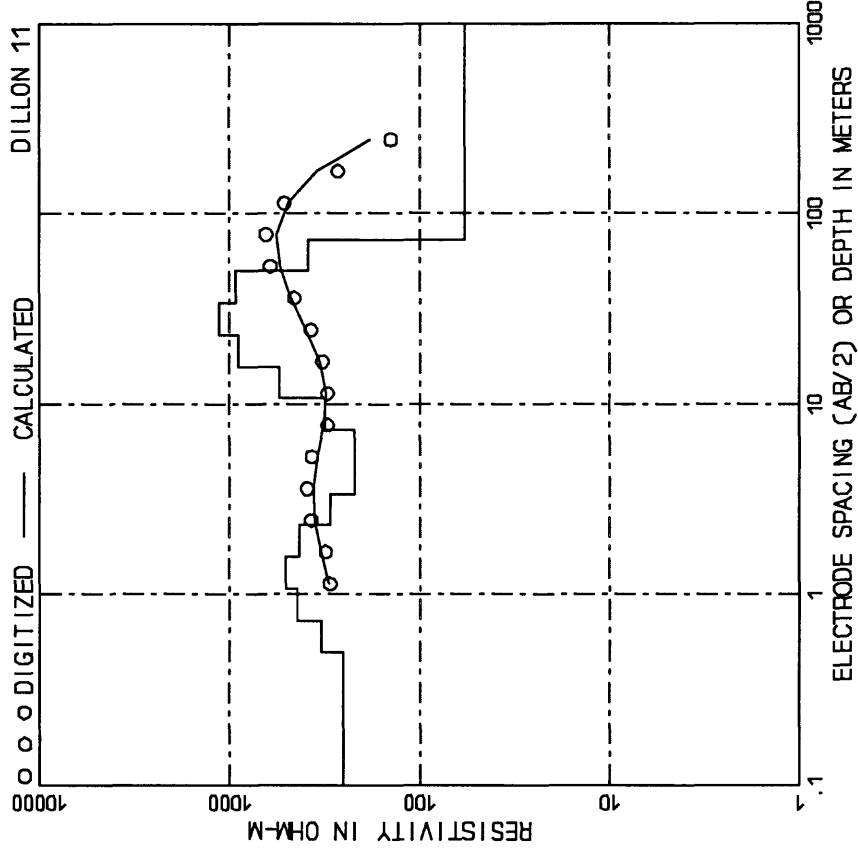
AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91	3.00	25.00	18.29	60.00	134.00
1.23	4.00	25.00	24.38	80.00	162.00
1.83	6.00	25.50	30.48	100.00	165.00
2.43	8.00	31.50	42.67	140.00	187.00
3.03	10.00	37.50	60.97	200.00	203.00
3.63	12.00	43.50	80.36	260.00	220.00
4.23	14.00	63.50	100.75	320.00	235.00
4.83	16.00	109.00	121.14	400.00	238.00
5.43	18.00		141.52	460.00	245.00
6.03	20.00		161.91	520.00	
6.63	22.00		182.30	600.00	
7.23	24.00		202.69	660.00	
7.83	26.00		223.08	720.00	
8.43	28.00		243.47	800.00	



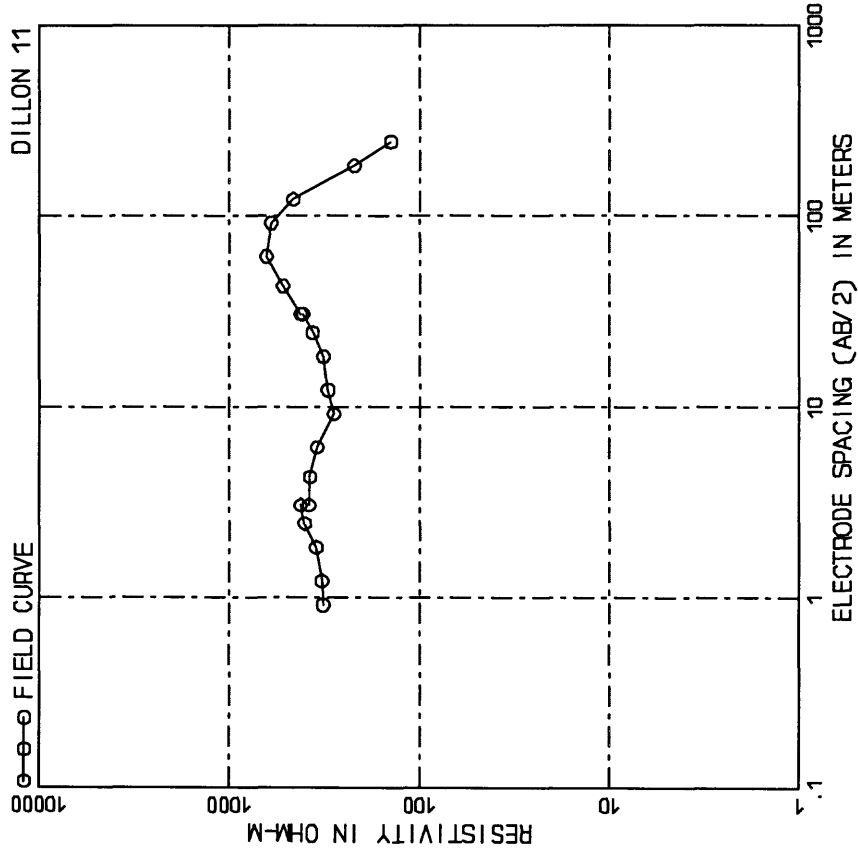
AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.21 {	3.00 {	260.00 {	18.29 {	60.00 {	170.00 {
1.23 {	4.00 {	240.00 {	24.38 {	80.00 {	175.00 {
2.25 {	6.00 {	200.00 {	30.48 {	100.00 {	180.00 {
3.27 {	10.00 {	199.00 {	36.57 {	120.00 {	192.00 {
4.29 {	14.00 {	195.00 {	42.67 {	140.00 {	193.00 {
5.31 {	18.00 {	190.00 {	48.76 {	160.00 {	213.50 {
6.34 {	20.00 {	170.00 {	54.86 {	200.00 {	220.00 {
7.36 {	24.00 {	175.00 {	60.95 {	240.00 {	240.00 {
8.39 {	30.00 {	165.00 {	67.05 {	300.00 {	242.00 {
9.41 {	40.00 {		73.14 {	400.00 {	
12.19 {			79.24 {	600.00 {	
			85.34 {	800.00 {	



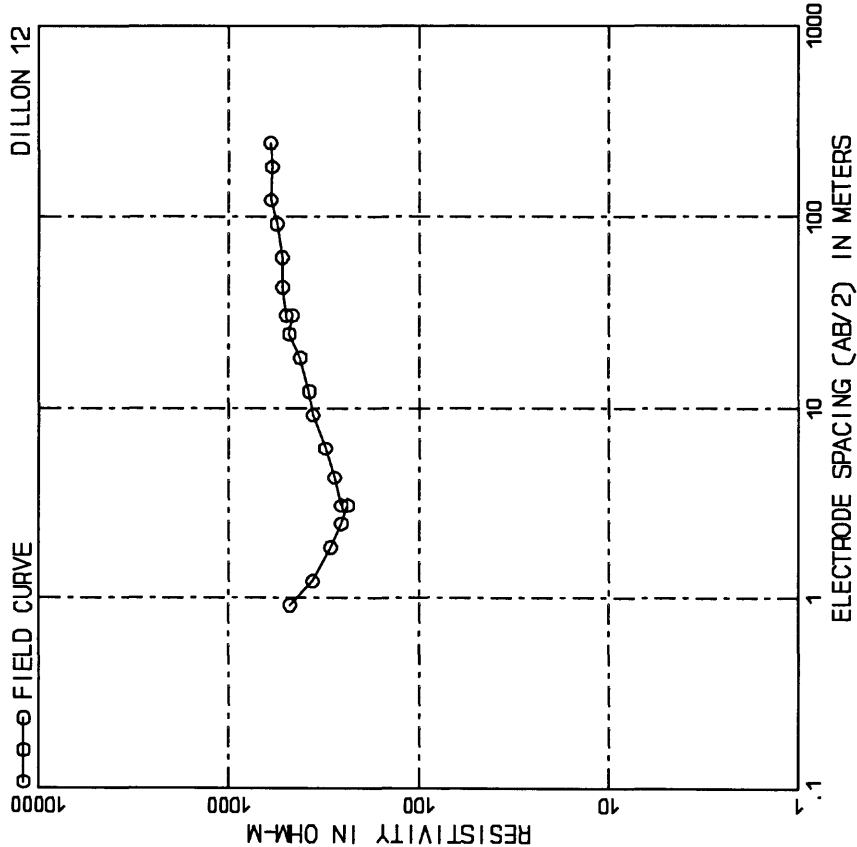
DEPTH, m (ft)	RESIS.	DEPTH, m (ft)	RESIS.
0.50 {	1.62 {	299.32 {	7.27 {	23.84 {	190.87 {
1.03 {	3.39 {	241.42 {	10.67 {	34.32 {	193.37 {
1.57 {	5.14 {	245.26 {	15.24 {	49.36 {	188.79 {
2.10 {	6.89 {	207.01 {	20.32 {	66.81 {	188.08 {
2.63 {	8.62 {	188.50 {	25.40 {	83.32 {	233.40 {
3.16 {	10.37 {	188.50 {	30.48 {	99.99 {	244.39 {
3.69 {	12.12 {		35.56 {	116.64 {	255.43 {
4.22 {	13.87 {		40.64 {	133.29 {	
			45.72 {	149.94 {	
			50.80 {	166.59 {	
			55.88 {	183.24 {	
			60.96 {	199.89 {	
			66.04 {	216.54 {	
			71.12 {	233.19 {	
			76.20 {	249.84 {	
			81.28 {	266.49 {	
			86.36 {	283.14 {	
			91.44 {	299.79 {	
			96.52 {	316.44 {	
			101.60 {	333.09 {	
			106.68 {	349.74 {	
			111.76 {	366.39 {	
			116.84 {	383.04 {	
			121.92 {	399.69 {	
			127.00 {	416.34 {	
			132.08 {	432.99 {	
			137.16 {	449.64 {	
			142.24 {	466.29 {	
			147.32 {	482.94 {	
			152.40 {	499.59 {	
			157.48 {	516.24 {	
			162.56 {	532.89 {	
			167.64 {	549.54 {	
			172.72 {	566.19 {	
			177.80 {	582.84 {	
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			482.60 {	1581.84 {	
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			1290.32 {	4229.19 {	
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			1300.48 {	4262.49 {	
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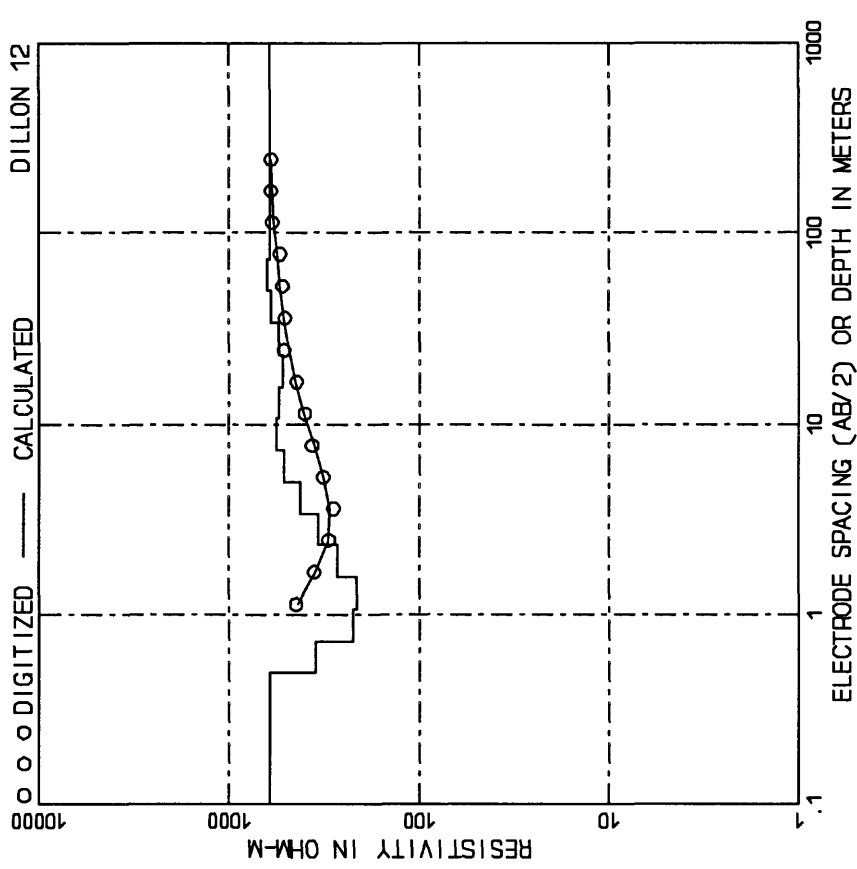
DEPTH, m (ft)	RESIS.	DEPTH, m (ft)	RESIS.
0.50 {	1.62 {	250.78	7.27 {	23.84 {	220.72
1.07 {	3.50 {	326.07	10.67 {	34.99 {	315.24
1.57 {	5.14 {	443.34	15.65 {	51.36 {	547.56
2.30 {	7.54 {	503.55	22.98 {	75.39 {	900.89
3.37 {	11.07 {	423.43	33.73 {	110.65 {	1142.76
4.95 {	16.24 {	294.10	45.31 {	148.62 {	933.47
		216.80	72.66 {	238.40 {	571.60
			99999.00 {	99999.00 {	



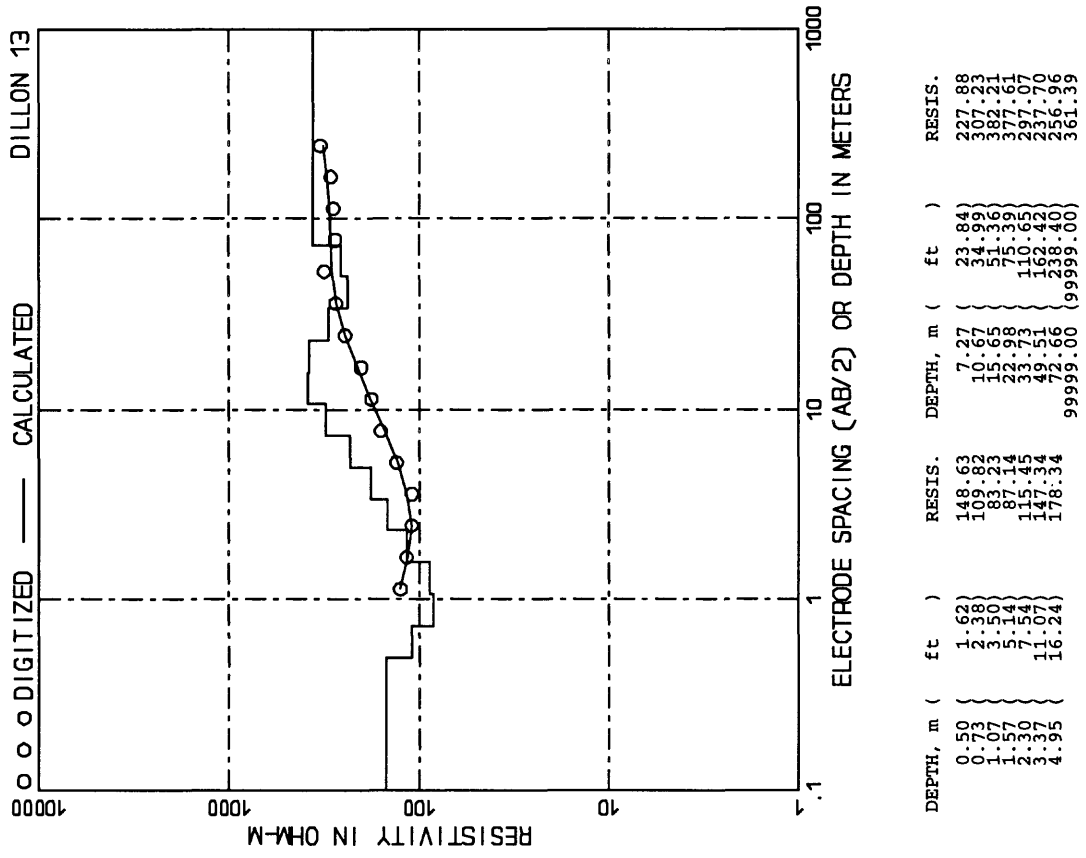
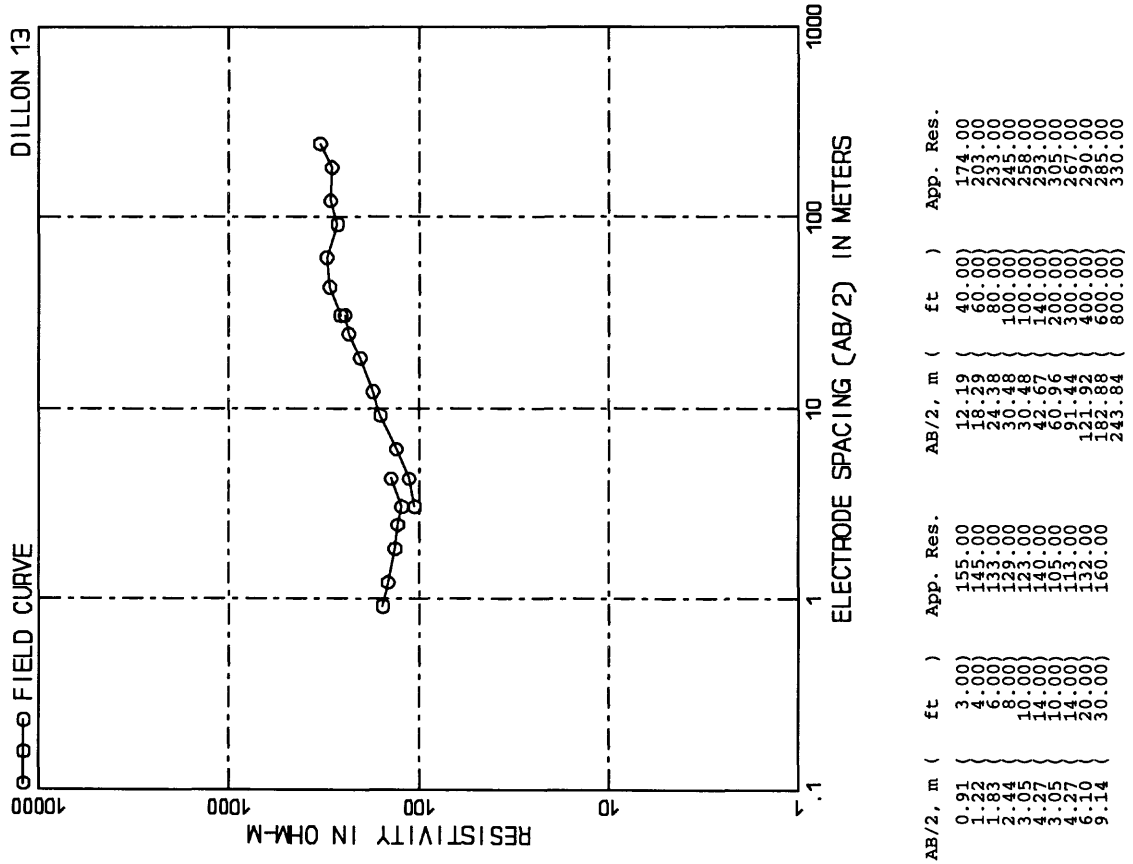
AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91 {	3.00 {	320.00	18.29 {	60.00 {	318.00
1.22 {	4.00 {	325.00	24.38 {	80.00 {	363.00
1.83 {	6.00 {	348.00	30.48 {	100.00 {	410.00
2.44 {	8.00 {	400.00	42.67 {	140.00 {	420.00
3.05 {	10.00 {	420.00	60.36 {	200.00 {	523.00
3.66 {	12.00 {	373.00	81.44 {	260.00 {	640.00
4.27 {	14.00 {	382.00	121.32 {	400.00 {	602.00
4.88 {	16.00 {	382.00	162.84 {	530.00 {	420.00
5.49 {	18.00 {	302.00	243.84 {	800.00 {	141.00
12.19 {	40.00 {				

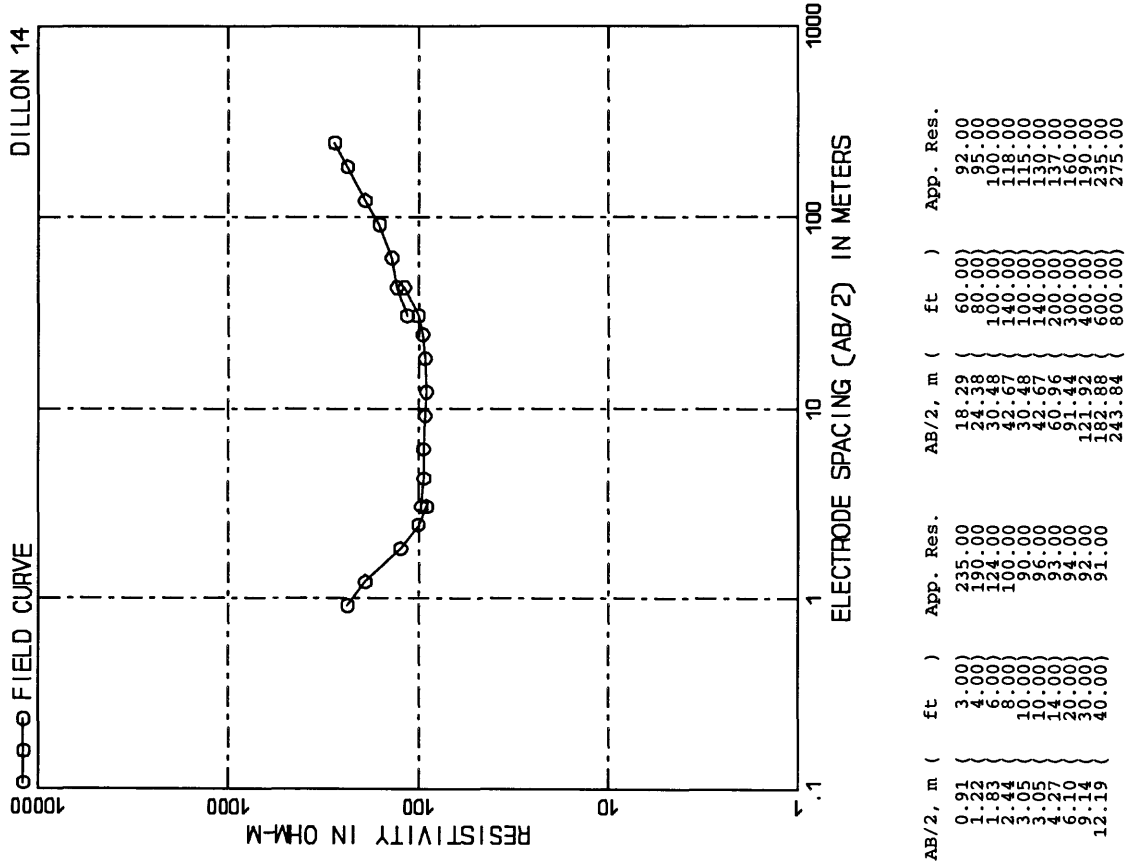


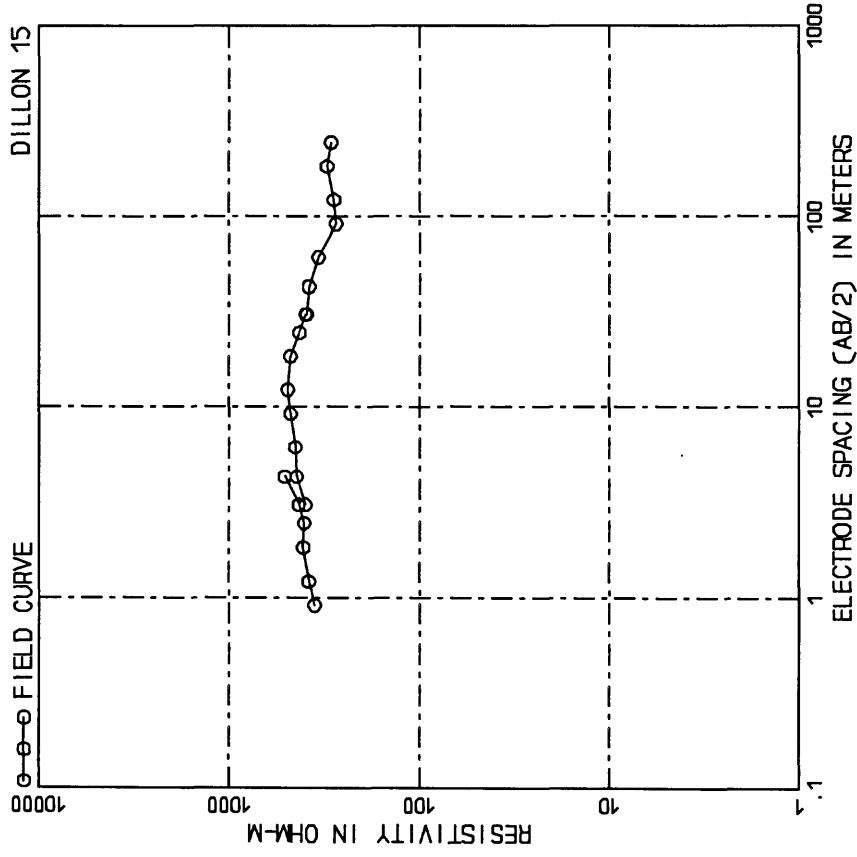
AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91 {	3.00 {	475.00	18.29 {	60.00 {	419.00
1.22 {	4.00 {	360.00	24.38 {	80.00 {	480.00
1.83 {	6.00 {	250.00	30.48 {	100.00 {	465.00
2.44 {	8.00 {	235.00	36.58 {	120.00 {	500.00
3.05 {	10.00 {	220.00	42.67 {	140.00 {	520.00
3.66 {	12.00 {	205.00	48.76 {	160.00 {	540.00
4.27 {	14.00 {	190.00	54.86 {	180.00 {	560.00
4.88 {	16.00 {	175.00	60.95 {	200.00 {	580.00
5.49 {	18.00 {	160.00	67.04 {	220.00 {	595.00
6.10 {	20.00 {	145.00	73.14 {	240.00 {	610.00
6.71 {	22.00 {	130.00	79.23 {	260.00 {	625.00
7.32 {	24.00 {	115.00	85.33 {	280.00 {	640.00
7.93 {	26.00 {	100.00	91.42 {	300.00 {	655.00
8.54 {	28.00 {	85.00	97.52 {	320.00 {	670.00
9.15 {	30.00 {	70.00	103.61 {	340.00 {	685.00
9.76 {	32.00 {	55.00	109.71 {	360.00 {	700.00
10.37 {	34.00 {	40.00	115.80 {	380.00 {	715.00
10.98 {	36.00 {	25.00	121.90 {	400.00 {	730.00
11.59 {	38.00 {	10.00	128.00 {	420.00 {	745.00
12.20 {	40.00 {	5.00	134.09 {	440.00 {	760.00



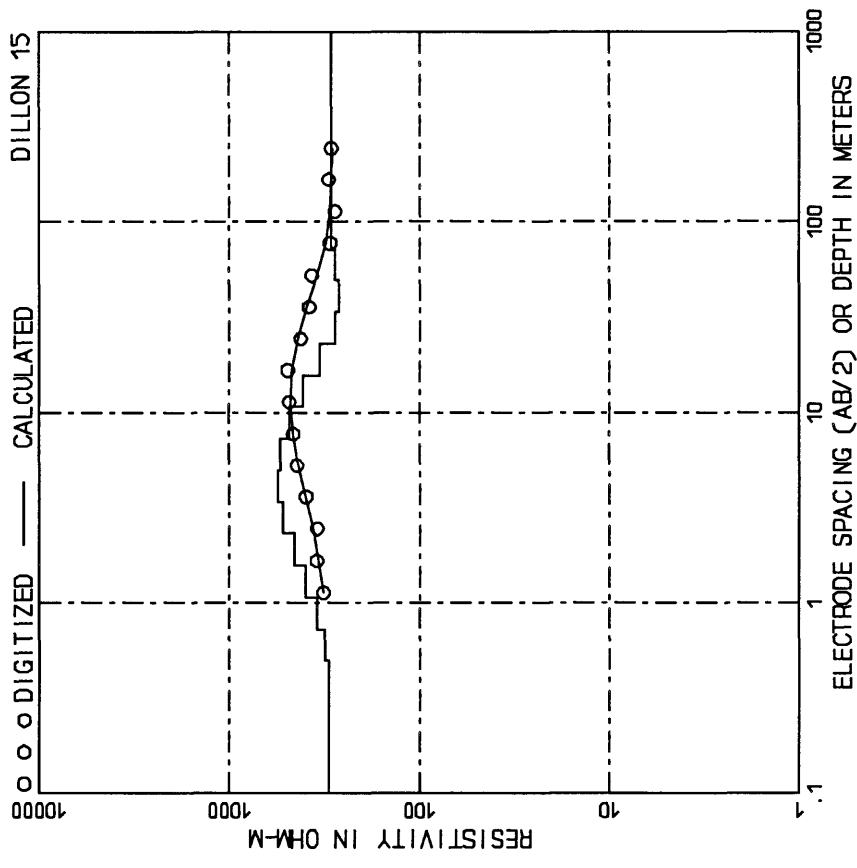
DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.50 {	1.62 {	613.82	7.27 {	23.84 {	514.06
1.07 {	3.50 {	350.61	10.67 {	34.99 {	562.77
1.57 {	5.14 {	222.33	15.65 {	51.36 {	547.27
2.30 {	7.54 {	213.39	22.98 {	75.39 {	525.71
3.35 {	11.01 {	266.96	33.73 {	110.62 {	550.80
4.35 {	14.24 {	332.71	42.66 {	139.94 {	608.82
		422.42	99999.00 {	99999.00 {	611.51



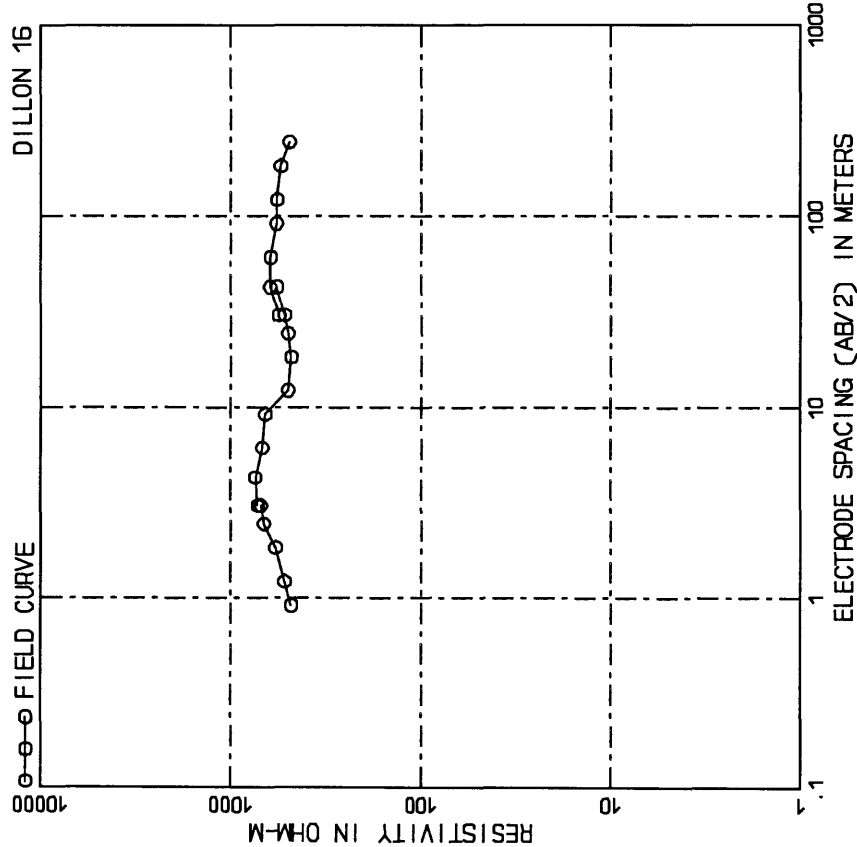




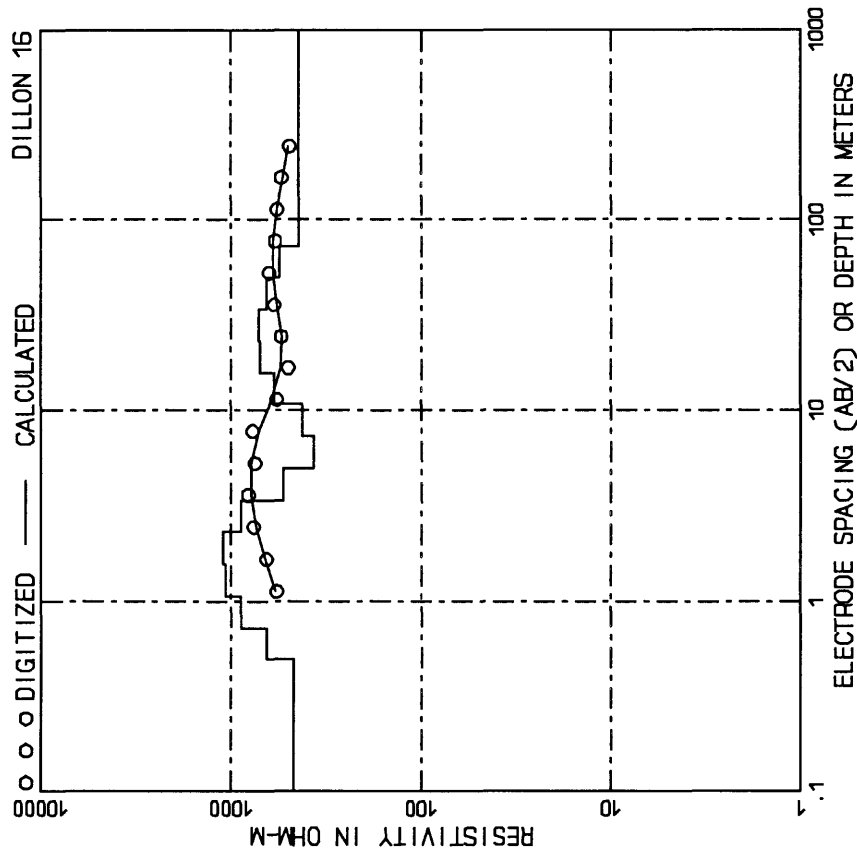
AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91	3.00	355.00	12.19	40.00	490.00
1.23	4.00	380.00	18.29	60.00	475.00
1.83	6.00	403.00	24.38	80.00	425.00
2.44	8.00	430.00	30.48	100.00	395.00
3.05	10.00	430.00	36.58	120.00	380.00
3.66	12.00	430.00	42.67	140.00	380.00
4.27	14.00	430.00	48.77	160.00	370.00
4.88	16.00	450.00	54.87	180.00	360.00
5.49	18.00	475.00	60.96	200.00	360.00
6.10	20.00		67.06	220.00	360.00
6.71	22.00		73.16	240.00	360.00
7.32	24.00		79.26	260.00	360.00
7.93	26.00		85.36	280.00	360.00
8.54	28.00		91.46	300.00	360.00
9.15	30.00		97.56	320.00	360.00
			103.66	340.00	360.00
			109.76	360.00	360.00
			115.86	380.00	360.00
			121.96	400.00	360.00
			128.06	420.00	360.00
			134.16	440.00	360.00
			140.26	460.00	360.00
			146.36	480.00	360.00
			152.46	500.00	360.00
			158.56	520.00	360.00
			164.66	540.00	360.00
			170.76	560.00	360.00
			176.86	580.00	360.00
			182.96	600.00	360.00
			189.06	620.00	360.00
			195.16	640.00	360.00
			201.26	660.00	360.00
			207.36	680.00	360.00
			213.46	700.00	360.00
			219.56	720.00	360.00
			225.66	740.00	360.00
			231.76	760.00	360.00
			237.86	780.00	360.00
			243.96	800.00	360.00



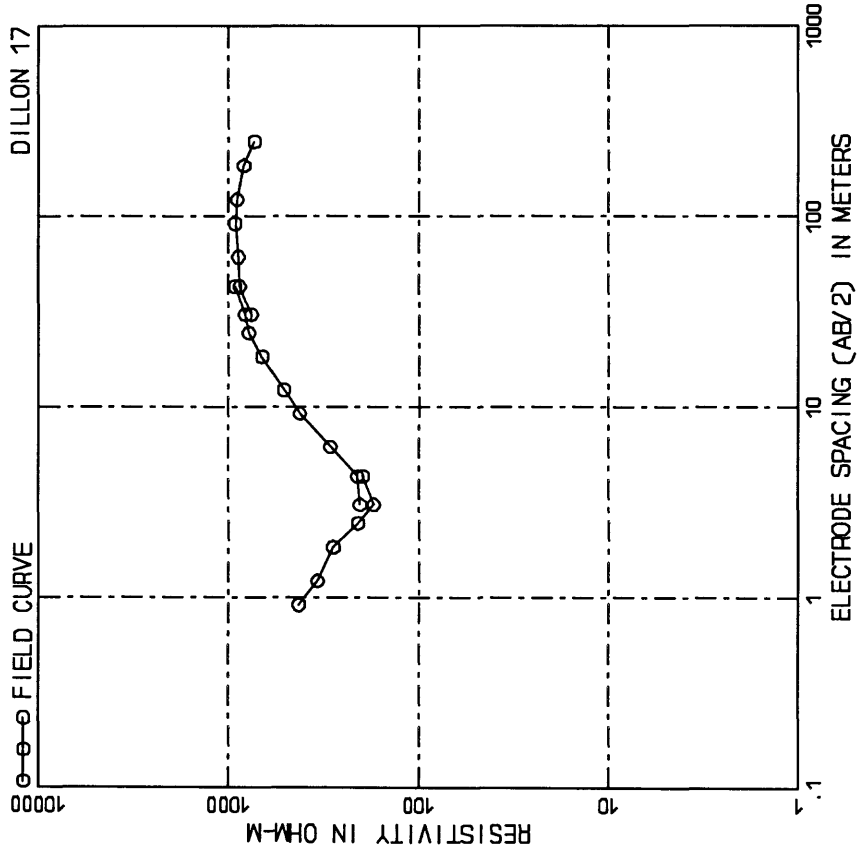
DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.50	1.62	293.12	7.27	23.84	540.86
1.07	3.50	312.17	10.67	34.99	482.31
1.57	5.14	341.04	15.65	51.36	402.07
2.30	7.54	392.43	22.98	75.39	337.62
3.37	11.07	457.28	33.73	110.65	277.02
4.95	16.24	556.14	43.51	142.42	264.35
			53.29	175.10	277.97
			63.07	207.97	277.97
			72.86	238.40	277.97
			82.64	268.83	277.97
			92.43	299.26	277.97
			102.21	329.69	277.97
			112.00	360.12	277.97
			121.79	390.55	277.97
			131.58	420.98	277.97
			141.37	451.41	277.97
			151.16	481.84	277.97
			160.95	512.27	277.97
			170.74	542.70	277.97
			180.53	573.13	277.97
			190.32	603.56	277.97
			200.11	633.99	277.97
			209.90	664.42	277.97
			219.69	694.85	277.97
			229.48	725.28	277.97
			239.27	755.71	277.97
			249.06	786.14	277.97
			258.85	816.57	277.97
			268.64	847.00	277.97
			278.43	877.43	277.97
			288.22	907.86	277.97
			298.01	938.29	277.97
			307.80	968.72	277.97
			317.59	999.15	277.97
			327.38	1029.58	277.97
			337.17	1059.01	277.97
			346.96	1089.44	277.97
			356.75	1119.87	277.97
			366.54	1150.30	277.97
			376.33	1180.73	277.97
			386.12	1211.16	277.97
			395.91	1241.59	277.97
			405.70	1272.02	277.97
			415.49	1302.45	277.97
			425.28	1332.88	277.97
			435.07	1363.31	277.97
			444.86	1393.74	277.97
			454.65	1424.17	277.97
			464.44	1454.60	277.97
			474.23	1485.03	277.97
			484.02	1515.46	277.97
			493.81	1545.89	277.97
			503.60	1576.32	277.97
			513.39	1606.75	277.97
			523.18	1637.18	277.97
			532.97	1667.61	277.97
			542.76	1698.04	277.97
			552.55	1728.47	277.97
			562.34	1758.90	277.97
			572.13	1789.33	277.97
			581.92	1819.76	277.97
			591.71	1850.19	277.97
			601.50	1880.62	277.97
			611.29	1911.05	277.97
			621.08	1941.48	277.97
			630.87	1971.91	277.97
			640.66	2002.34	277.97
			650.45	2032.77	277.97
			660.24	2063.20	277.97
			670.03	2093.63	277.97
			679.82	2124.06	277.97
			689.61	2154.49	277.97
			699.40	2184.92	277.97
			709.19	2215.35	277.97
			718.98	2245.78	277.97
			728.77	2276.21	277.97
			738.56	2306.64	277.97
			748.35	2337.07	277.97
			758.14	2367.50	277.97
			767.93	2397.93	277.97
			777.72	2428.36	277.97
			787.51	2458.79	277.97
			797.30	2489.22	277.97
			807.09	2519.65	277.97
			816.88	2550.08	277.97
			826.67	2580.51	277.97
			836.46	2610.94	277.97
			846.25	2641.37	277.97
			856.04	2671.80	277.97
			865.83	2702.23	277.97
			875.62	2732.66	277.97
			885.41	2763.09	277.97
			895.20	2793.52	277.97
			904.99	2823.95	277.97
			914.78	2854.38	277.97
			924.57	2884.81	277.97
			934.36	2915.24	277.97
			944.15	2945.67	277.97
			953.94	2976.10	277.97
			963.73	3006.53	277.97
			973.52	3036.96	277.97
			983.31	3067.39	277.97
			993.10	3097.82	277.97
			1002.89	3128.25	277.97
			1012.68	3158.68	277.97
			1022.47	3189.11	277.97
			1032.26	3219.54	277.97
			1042.05	3249.97	277.97
			1051.84	3280.40	277.97
			1061.63	3310.83	277.97
			1071.42	3341.26	277.97
			1081.21	3371.69	277.97
			1091.00	3402.12	277.97
			1100.79	3432.55	277.97
			1110.58	3462.98	277.97
			1120.37	3493.41	277.97
			1130.16	3523.84	277.97
			1139.95	3554.27	277.97
			1149.74	3584.70	277.97
			1159.53	3615.13	277.97
			1169.32	3645.56	277.97
			1179.11	3675.99	277.97
			1188.90	3706.42	277.97
			1198.69	3736.85	277.97
			1208.48	3767.28	277.97
			1218.27	3797.71	277.97
			1228.06	3828.14	277.97
			1237.85	3858.57	277.97
			1247.64	3889.00	277.97
			1257.43	3919.43	277.97
			1267.22	3949.86	277.97
			1277.01	3980.29	277.97
			1286.80	4010.72	277.97
			1296.59	4041.15	277.97
			1306.38	4071.58	277.97
			1316.17	4102.01	277.97
			1325.96	4132.44	277.97
			1335.75	4162.87	277.97
			1345.54	4193.30	277.97
			1355.33	4223.73	277.97
			1365.12	4254.16	277.97
			1374.91	4284.59	277.97
			1384.70	4315.02	277.97
			1394.49	4345.45	277.97
			1404.28	4375.88	277.97
			1414.07	4406.31	277.97
			1423.86	4436.74	277.97
			1433.65	4467.17	277.97
			1443.44	4497.60	277.97
			1453.23	4528.03	277.97
			1463.02	4558.46	277.97
			1472.81	4588.89	277.97
			1482.60	4619.32	277.97
			1492.39	4649.75	277.97
			1502.18	4680.18	277.97
			1511.97	4710.61	277.97
			1521.76	4741.04	277.97
			1531.55	4771.47	277.97
			1541.34	4801.90	277.97
			1551.13	4832.33	277.97
			1560.92	4862.76	277.97
			1570.71	4893.19	277.97
			1580.50	4923.62	277.97
			1590.29	4954.05	277.97
			1600.08	4984.48	277.97
			1609.87	5014.91	277.97
			1619.66	5045.34	277.97
			1629.45	5075.77	277.97
			1639.24	5106.20	277.97
			1649.03	5136.63	277.97
			1658.82	5167.06	277.97
			1668.61	5197.49	277.97
			1678.40	5227.92	277.97
			1688.19	5258.35	277.97
			1697.98	5288.78	277.97
			1707.77	5319.21	277.97
			1717.56	5349.64	277.97
			1727.35	5380.07	277.97
			1737.14	5410.50	277.97
			1746.93	5440.93	277.97
			1756.72	5471.36	277.97
			1766.51	5501.79	277.97
			1776.30	5532.22	277.97
			1786.09	5562.65	277.97
			1795.88	5593.08	277.97
			1805.67	5623.51	277.97
			1815.46	5653.94	277.97
			1825.25	5684.37	277.97
			1835.04	5714.80	277.97
			1844.83	5745.23	277.97
			1854.62	5775.66	277.97
			1864.41	5806.09	277.97
			1874.20	5836.52	277.97
			1883.99	5866.95	277.97
			1893.78	5897.38	277.97
			1903.57	5927.81	277.97
			1913.36	5958.24	277.97
			1923.15	5988.67	277.97
			1932.94	6019.10	277.97
			1942.73	6049.53	277.97
			1952.52	6079.96	277.97
			1962.31	6110.39	277.97
			1972.10	6140.82	277.97
			1981.89	6171.25	277.97
			1991.68	6201.68	277.97
			2001.47	6232.11	277.97
			2011.26	6262.54	277.97
			2021.05	6292.97	277.97
			2030.84	6323.40	277.97
			2040.63	6353.83	277.97
			2050.42	6384.26	277.97
			2060.21	6414.69	277.97
			2069.99	6445.12	277.97
			2079.78	6475.55	277.97
			2089.57	6505.98	277.97
			2099.36	6536.41	277.97
			2109.15	6566.84	277.97
			2118.94	6597.27	277.97
			2128.73	6627.70	277.97
			2138.52	6658.13	277.97
			2148.31	6688.56	277.97
			2158.10	6718.99	277.97
			2167.89	6749.42	277.97
			2177.68	6779.85	277.97
			2187.47	6810.28	277.97
			2197.26	6840.71	277.97
			2207.05	6871.14	277.97
			2216.84	6901.57	277.97
			2226.63	6932.00	277.97
			2236.42	6962.43	277.97
			2246.21	6992.86	277.97
			2256.00	7023.29	277.97
			2265.79	7053.72	277.97
			2275.58	7084.15	277.97
			2285.37	7114.58	277.97
			2295.16	7145.01	277.97
			2304.95	7175.44	277.97
			2314.74	7205.87	277.97
			2324.53	7236.30	277.97
			2334.32	7266.73	277.97
			2344.11	7297.16	277.97
			2353.90	7327.59	277.97
			2363.69	7358.02	



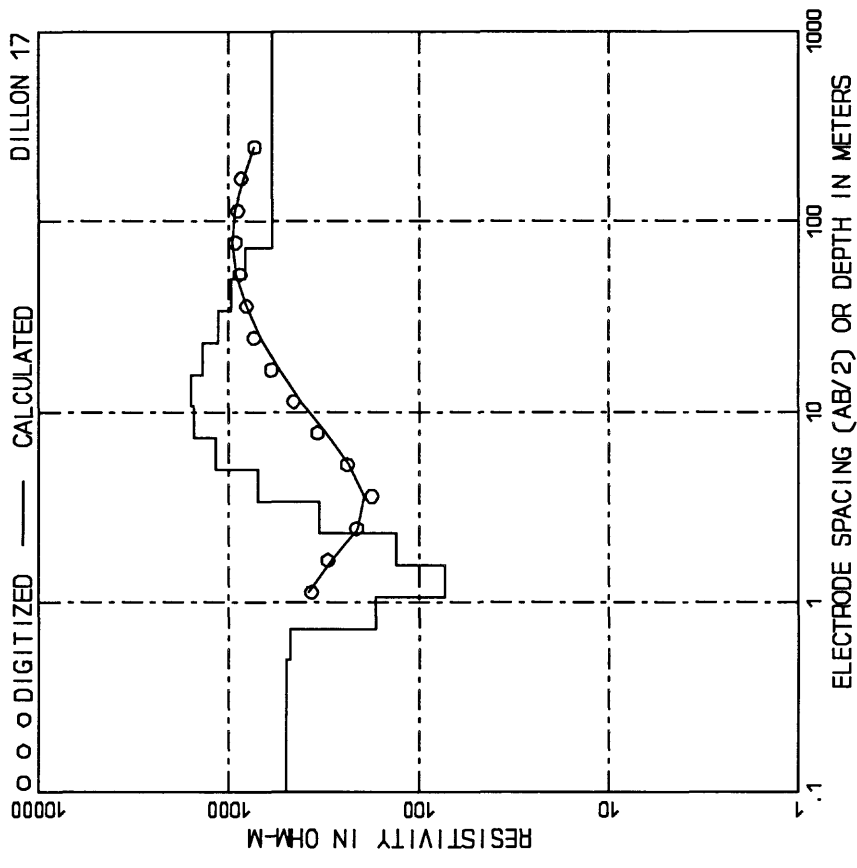
AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91 {	3.00 {	480.00 {	18.29 {	60.00 {	480.00 {
1.23 {	4.00 {	520.00 {	24.38 {	80.00 {	500.00 {
1.83 {	6.00 {	560.00 {	35.46 {	100.00 {	520.00 {
2.22 {	8.00 {	570.00 {	48.67 {	140.00 {	520.00 {
2.00 {	10.00 {	570.00 {	66.57 {	180.00 {	520.00 {
2.27 {	14.00 {	720.00 {	90.96 {	240.00 {	520.00 {
4.20 {	20.00 {	740.00 {	121.92 {	300.00 {	570.00 {
9.14 {	30.00 {	680.00 {	183.88 {	400.00 {	570.00 {
12.19 {	40.00 {	550.00 {	243.84 {	500.00 {	545.00 {
				800.00 {	490.00 {



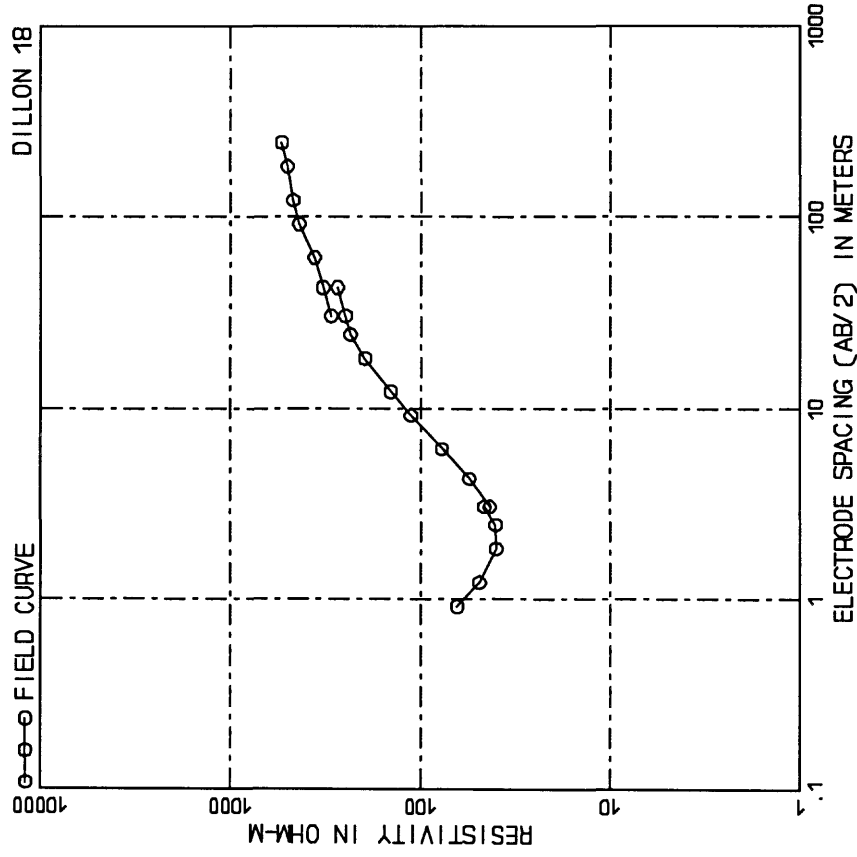
DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.50 {	1.62 {	468.85 {	7.27 {	23.84 {	364.26 {
0.73 {	2.38 {	654.06 {	10.67 {	34.99 {	423.85 {
1.07 {	3.50 {	878.83 {	15.65 {	51.36 {	588.03 {
1.37 {	4.50 {	1063.21 {	23.78 {	77.93 {	709.81 {
2.00 {	6.56 {	1401.43 {	33.53 {	110.39 {	903.18 {
2.39 {	7.84 {	1601.19 {	43.26 {	142.92 {	922.32 {
4.35 {	14.24 {	527.17 {	99.99 {	329.99 {	441.81 {
			9999.00 {	9999.00 {	



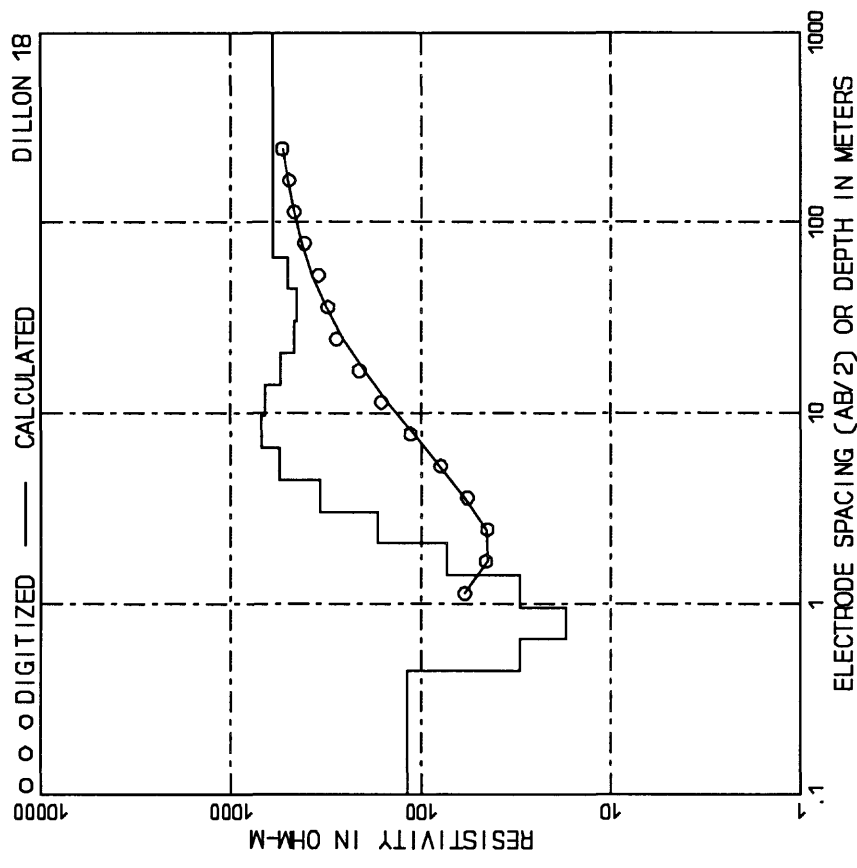
AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91	3.00	425.00	18.29	60.00	665.00
1.23	4.00	340.00	24.38	80.00	780.00
1.83	6.00	280.00	30.48	100.00	815.00
2.44	8.00	208.00	42.67	140.00	920.00
3.05	10.00	161.00	30.48	100.00	760.00
3.66	12.00	122.00	42.67	140.00	865.00
4.27	14.00	92.00	54.86	200.00	920.00
4.88	16.00	72.00	67.05	220.00	920.00
5.49	18.00	57.00	79.24	260.00	830.00
6.10	20.00	47.00	91.43	300.00	730.00
6.71	22.00	39.00	103.62	340.00	
7.32	24.00	33.00	115.81	400.00	
7.93	26.00	28.00	128.00	460.00	
8.54	28.00	24.00	140.19	500.00	
9.15	30.00	21.00	152.38	560.00	
9.76	32.00	18.00	164.57	600.00	
10.37	34.00	16.00	176.76	660.00	
10.98	36.00	14.00	188.95	720.00	
11.59	38.00	12.00	201.14	780.00	
12.20	40.00	11.00	213.33	840.00	



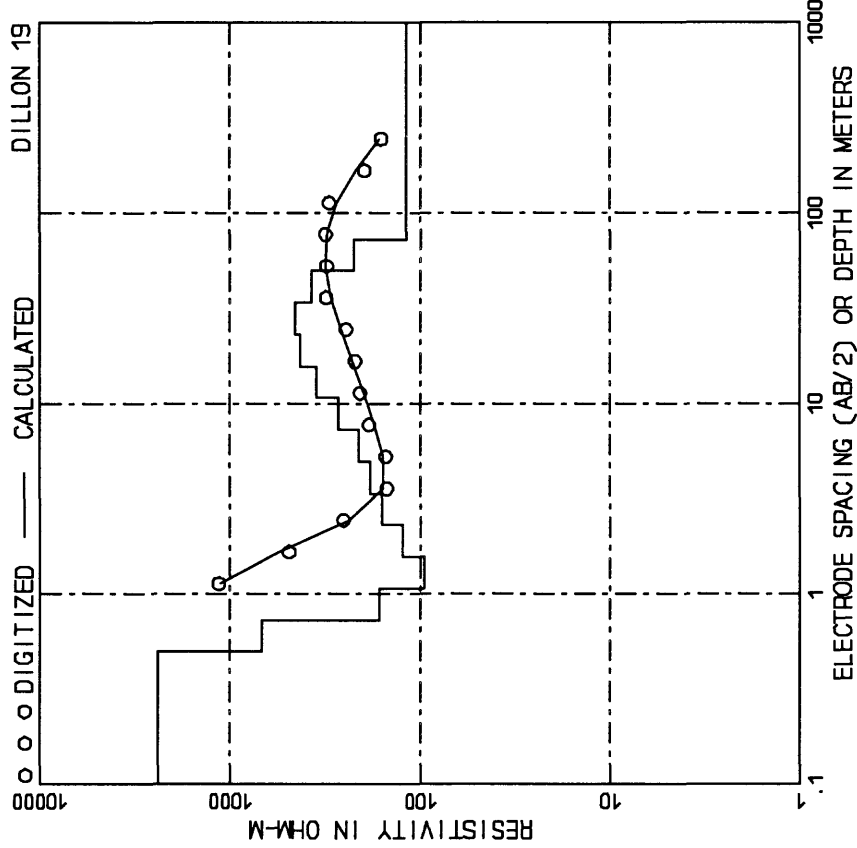
DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.50	1.62	499.12	7.27	23.84	1173.95
0.73	2.38	478.96	10.67	34.99	1325.16
1.07	3.50	167.91	13.65	51.36	1351.46
1.37	4.49	173.02	23.98	78.65	1359.88
2.30	7.54	133.00	33.73	110.65	1138.47
3.35	10.97	701.32	43.21	142.40	828.37
			53.66	176.00	592.95
			9999.00	99999.00	



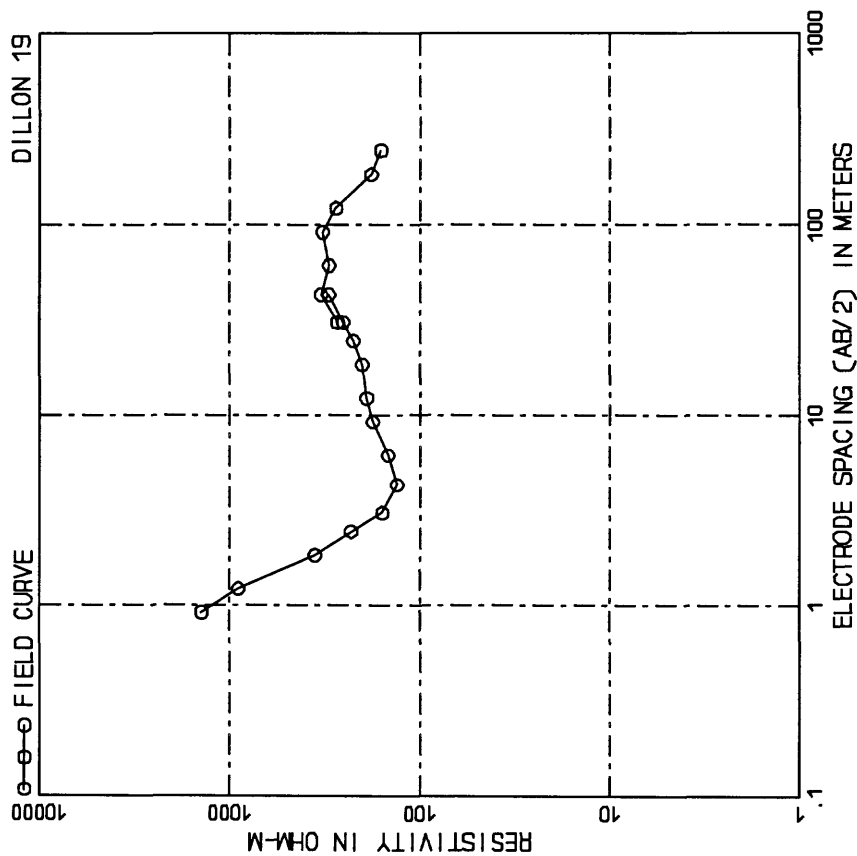
AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.1	3.00	64.00	18.29	60.00	195.00
1.2	4.00	40.00	24.38	80.00	232.00
2.2	6.00	26.67	36.57	120.00	277.00
3.0	8.00	20.00	48.76	160.00	322.00
4.0	10.00	16.00	60.95	200.00	367.00
5.0	14.00	12.50	73.14	240.00	412.00
6.0	18.00	10.00	85.33	280.00	457.00
7.0	21.00	8.57	97.52	320.00	502.00
8.0	24.00	7.69	109.71	360.00	547.00
9.0	27.00	6.92	121.90	400.00	592.00
10.0	30.00	6.33	134.09	440.00	637.00
12.0	36.00	5.28	150.28	480.00	682.00
14.0	42.00	4.55	166.47	520.00	727.00
16.0	48.00	4.00	182.66	560.00	772.00
18.0	54.00	3.70	198.85	600.00	817.00
20.0	60.00	3.33	215.04	640.00	862.00
22.0	66.00	3.03	231.23	680.00	907.00
24.0	72.00	2.78	247.42	720.00	952.00
26.0	78.00	2.56	263.61	760.00	997.00
28.0	84.00	2.37	279.80	800.00	1042.00
30.0	90.00	2.22	295.99	840.00	1087.00
32.0	96.00	2.08	312.18	880.00	1132.00
34.0	102.00	1.96	328.37	920.00	1177.00
36.0	108.00	1.85	344.56	960.00	1222.00
38.0	114.00	1.75	360.75	1000.00	1267.00
40.0	120.00	1.67	376.94		



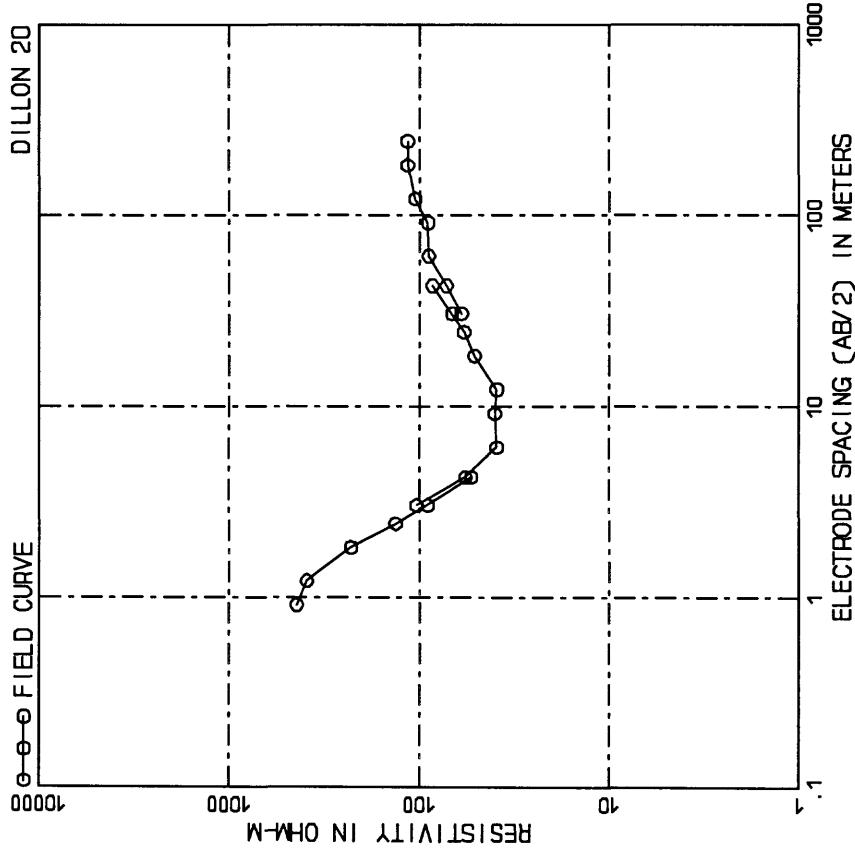
DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.45	1.46	10.10	6.54	21.46	552.04
0.91	2.91	11.80	13.08	42.93	286.34
1.36	4.36	17.37	19.62	64.39	196.14
1.82	5.82	30.06	26.16	85.85	146.41
2.27	7.27	19.05	32.70	107.31	116.91
2.73	8.73	13.09	39.24	128.77	96.91
3.18	10.18	15.92	45.78	150.23	82.29
3.64	11.64	33.09	52.32	171.69	71.25
4.09	13.13		58.86	193.15	62.25
4.55	14.55		65.40	214.61	55.25
5.00	15.99		71.94	236.07	49.25
5.45	17.45		78.48	257.53	44.25
5.91	18.91		85.02	279.00	40.25
6.36	20.36		91.56	300.46	37.25
6.82	21.82		98.10	321.92	34.25
7.27	23.27		104.64	343.38	31.25
7.73	24.73		111.18	364.84	28.25
8.18	26.18		117.72	386.30	25.25
8.64	27.64		124.26	407.76	22.25
9.09	29.09		130.80	429.22	19.25
9.55	30.55		137.34	450.68	16.25
10.00	31.99		143.88	472.14	13.25
10.45	33.45		150.42	493.60	10.25
10.91	34.91		156.96	515.06	7.25
11.36	36.36		163.50	536.52	4.25
11.82	37.82		170.04	557.98	1.25
12.27	39.27		176.58	579.44	0.25
12.73	40.73		183.12	600.90	
13.18	42.18		189.66	622.36	
13.64	43.64		196.20	643.82	
14.09	45.09		202.74	665.28	
14.55	46.55		209.28	686.74	
15.00	47.99		215.82	708.20	
15.45	49.45		222.36	729.66	
15.91	50.91		228.90	751.12	
16.36	52.36		235.44	772.58	
16.82	53.82		241.98	794.04	
17.27	55.27		248.52	815.50	
17.73	56.73		255.06	836.96	
18.18	58.18		261.60	858.42	
18.64	59.64		268.14	879.88	
19.09	61.09		274.68	901.34	
19.55	62.55		281.22	922.80	
20.00	63.99		287.76	944.26	
20.45	65.45		294.30	965.72	
20.91	66.91		300.84	987.18	
21.36	68.36		307.38	1008.64	
21.82	69.82		313.92	1030.10	
22.27	71.27		320.46	1051.56	
22.73	72.73		327.00	1073.02	
23.18	74.18		333.54	1094.48	
23.64	75.64		340.08	1115.94	
24.09	77.09		346.62	1137.40	
24.55	78.55		353.16	1158.86	
25.00	79.99		359.70	1180.32	
25.45	81.45		366.24	1201.78	
25.91	82.91		372.78	1223.24	
26.36	84.36		379.32	1244.70	
26.82	85.82		385.86	1266.16	
27.27	87.27		392.40	1287.62	
27.73	88.73		398.94	1309.08	
28.18	90.18		405.48	1330.54	
28.64	91.64		412.02	1352.00	
29.09	93.09		418.56	1373.46	
29.55	94.55		425.10	1394.92	
30.00	95.99		431.64	1416.38	
30.45	97.45		438.18	1437.84	
30.91	98.91		444.72	1459.30	
31.36	100.36		451.26	1480.76	
31.82	101.82		457.80	1502.22	
32.27	103.27		464.34	1523.68	
32.73	104.73		470.88	1545.14	
33.18	106.18		477.42	1566.60	
33.64	107.64		483.96	1588.06	
34.09	109.09		490.50	1609.52	
34.55	110.55		497.04	1630.98	
35.00	111.99		503.58	1652.44	
35.45	113.45		510.12	1673.90	
35.91	114.91		516.66	1695.36	
36.36	116.36		523.20	1716.82	
36.82	117.82		529.74	1738.28	
37.27	119.27		536.28	1759.74	
37.73	120.73		542.82	1781.20	
38.18	122.18		549.36	1802.66	
38.64	123.64		555.90	1824.12	
39.09	125.09		562.44	1845.58	
39.55	126.55		568.98	1867.04	
40.00	127.99		575.52	1888.50	
40.45	129.45		582.06	1909.96	
40.91	130.91		588.60	1931.42	
41.36	132.36		595.14	1952.88	
41.82	133.82		601.68	1974.34	
42.27	135.27		608.22	1995.80	
42.73	136.73		614.76	2017.26	
43.18	138.18		621.30	2038.72	
43.64	139.64		627.84	2060.18	
44.09	141.09		634.38	2081.64	
44.55	142.55		640.92	2103.10	
45.00	143.99		647.46	2124.56	
45.45	145.45		654.00	2146.02	
45.91	146.91		660.54	2167.48	
46.36	148.36		667.08	2188.94	
46.82	149.82		673.62	2210.40	
47.27	151.27		680.16	2231.86	
47.73	152.73		686.70	2253.32	
48.18	154.18		693.24	2274.78	
48.64	155.64		699.78	2296.24	
49.09	157.09		706.32	2317.70	
49.55	158.55		712.86	2339.16	
50.00	159.99		719.40	2360.62	
50.45	161.45		725.94	2382.08	
50.91	162.91		732.48	2403.54	
51.36	164.36		739.02	2425.00	
51.82	165.82		745.56	2446.46	
52.27	167.27		752.10	2467.92	
52.73	168.73		758.64	2489.38	
53.18	170.18		765.18	2510.84	
53.64	171.64		771.72	2532.30	
54.09	173.09		778.26	2553.76	
54.55	174.55		784.80	2575.22	
55.00	175.99		791.34	2596.68	
55.45	177.45		797.88	2618.14	
55.91	178.91		804.42	2639.60	
56.36	180.36		810.96	2661.06	
56.82	181.82		817.50	2682.52	
57.27	183.27		824.04	2703.98	
57.73	184.73		830.58	2725.44	
58.18	186.18		837.12	2746.90	
58.64	187.64		843.66	2768.36	
59.09	189.09		850.20	2789.82	
59.55	190.55		856.74	2811.28	
60.00	191.99		863.28	2832.74	
60.45	193.45		869.82	2854.20	
60.91	194.91		876.36	2875.66	
61.36	196.36		882.90	2897.12	
61.82	197.82		889.44	2918.58	
62.27	199.27		895.98	2940.04	
62.73	200.73		902.52	2961.50	
63.18	202.18		909.06	2982.96	
63.64	203.64		915.60	3004.42	
64.09	205.09		922.14	3025.88	
64.55	206.55		928.68	3047.34	
65.00	207.99		935.22	3068.80	
65.45	209.45		941.76	3090.26	
65.91	210.91		948.30	3111.72	
66.36	212.36		954.84	3133.18	
66.82	213.82		961.38	3154.64	
67.27	215.27		967.92	3176.10	
67.73	216.73		974.46	3197.56	
68.18	218.18		981.00	3219.02	



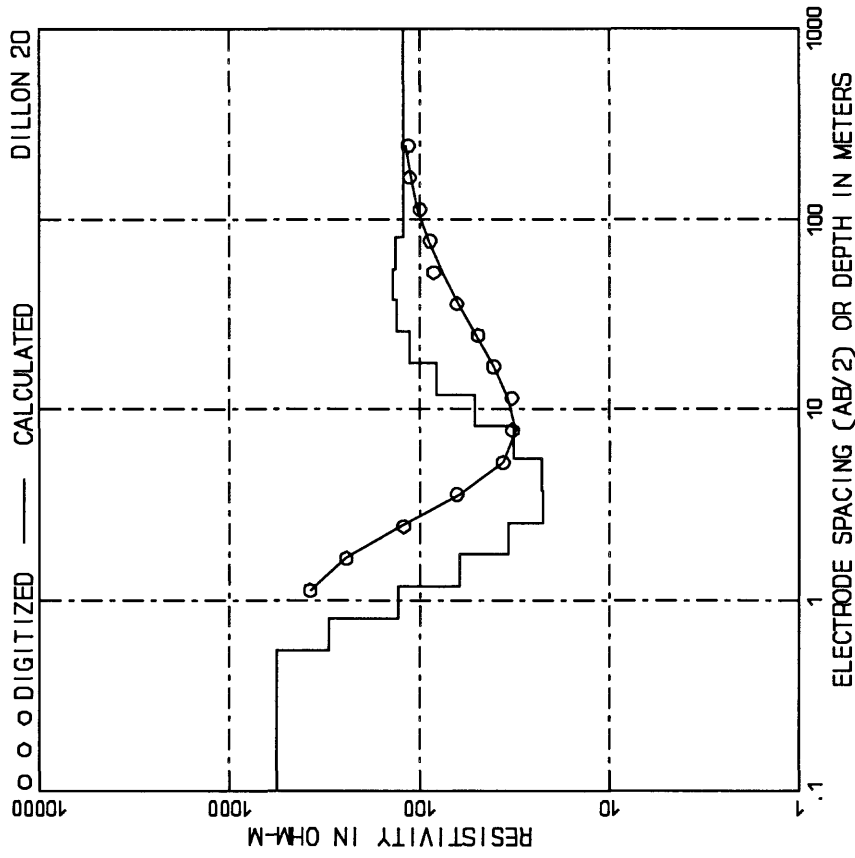
DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.50	{	2396.10	7.27	{	210.86
0.75	{	676.04	10.65	{	267.50
1.00	{	165.04	15.24	{	346.91
1.50	{	123.19	23.08	{	424.99
2.00	{	138.48	33.43	{	371.59
2.50	{	181.08	45.71	{	223.07
3.00	{		60.96	{	117.44
4.00	{		9999.00	{	



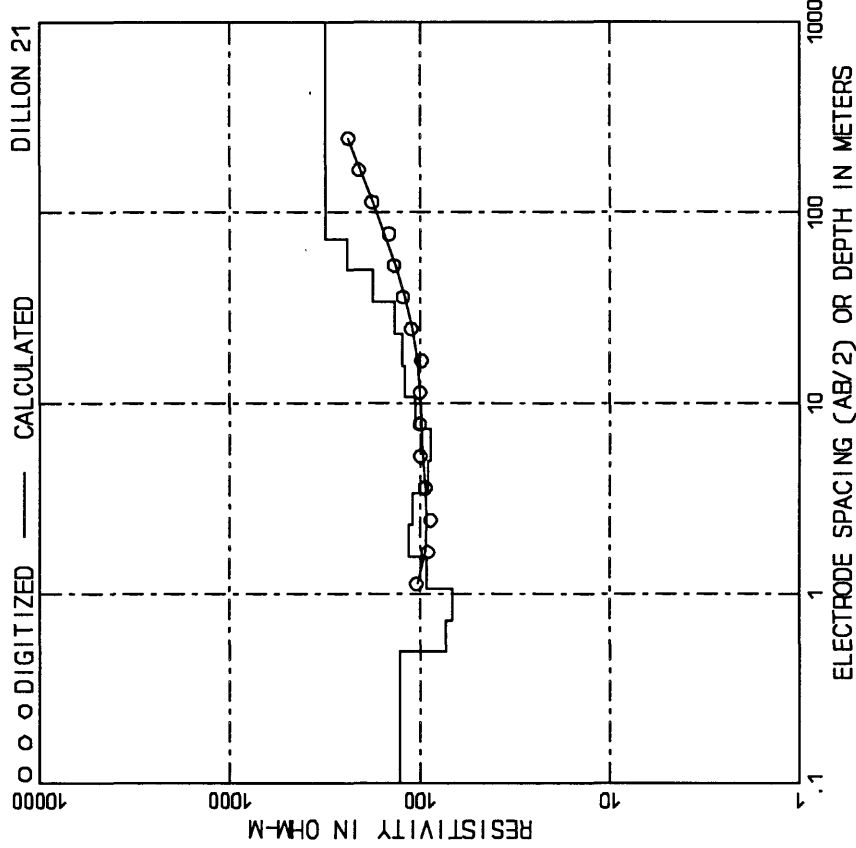
AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91	{	1400.00	24.38	{	223.00
1.82	{	955.00	30.49	{	232.00
2.73	{	727.00	42.69	{	290.00
3.64	{	550.00	60.96	{	330.00
4.55	{	422.00	81.27	{	300.00
5.46	{	330.00	101.58	{	275.00
6.37	{	277.00	121.88	{	180.00
7.28	{	190.00	162.84	{	160.00
8.19	{	200.00	243.84	{	



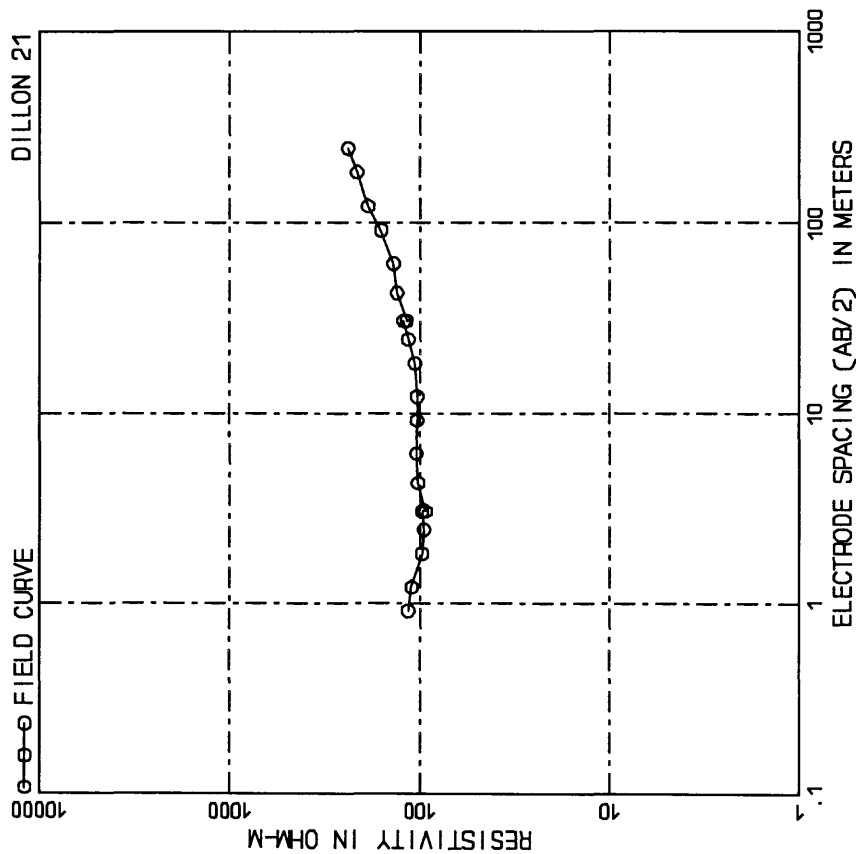
AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91	3.00	440.00	18.29	60.00	51.00
1.83	6.00	228.00	36.58	120.00	29.00
2.74	9.00	153.00	54.87	180.00	20.00
3.66	12.00	120.00	73.16	240.00	16.00
4.57	15.00	103.00	91.45	300.00	13.00
5.49	18.00	90.00	109.74	360.00	11.00
6.41	21.00	80.00	128.03	420.00	10.00
7.32	24.00	72.00	146.32	480.00	9.00
8.24	27.00	66.00	164.61	540.00	8.00
9.15	30.00	60.00	182.90	600.00	7.00
10.07	33.00	55.00	201.19	660.00	6.00
10.98	36.00	50.00	219.48	720.00	5.00
11.90	39.00	46.00	237.77	780.00	4.00
12.81	42.00	42.00	256.06	840.00	3.00



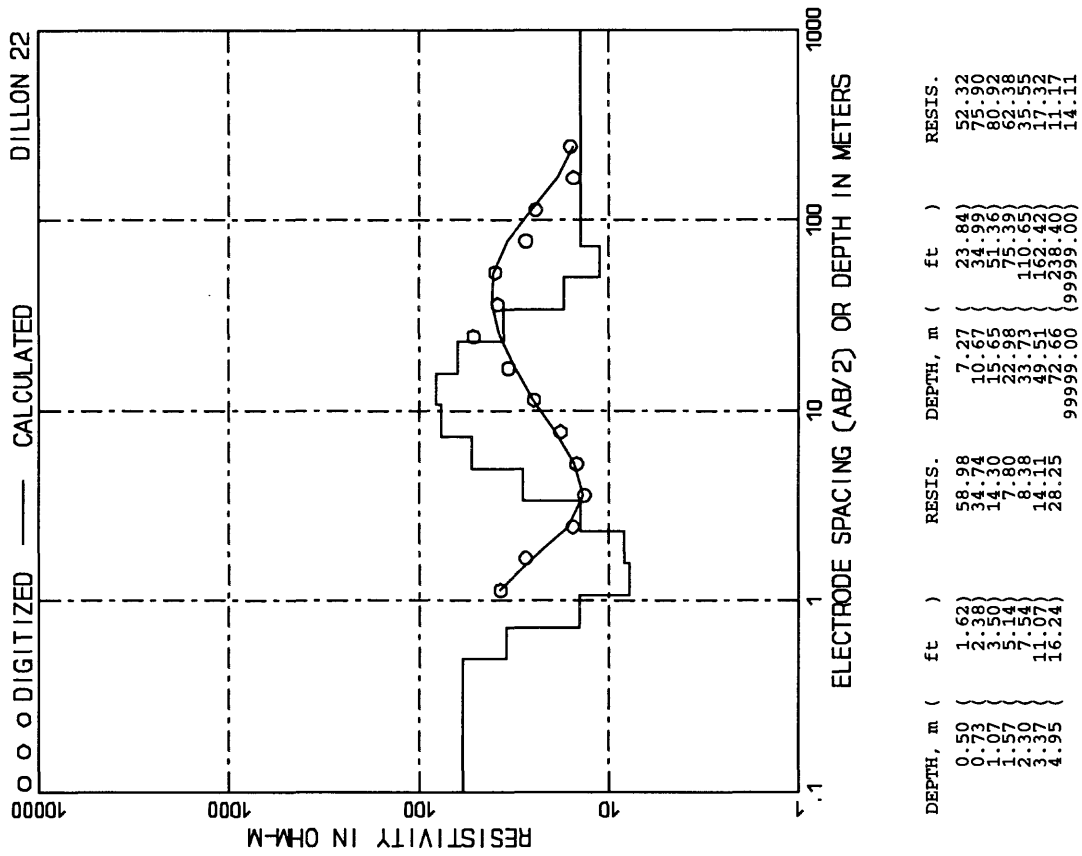
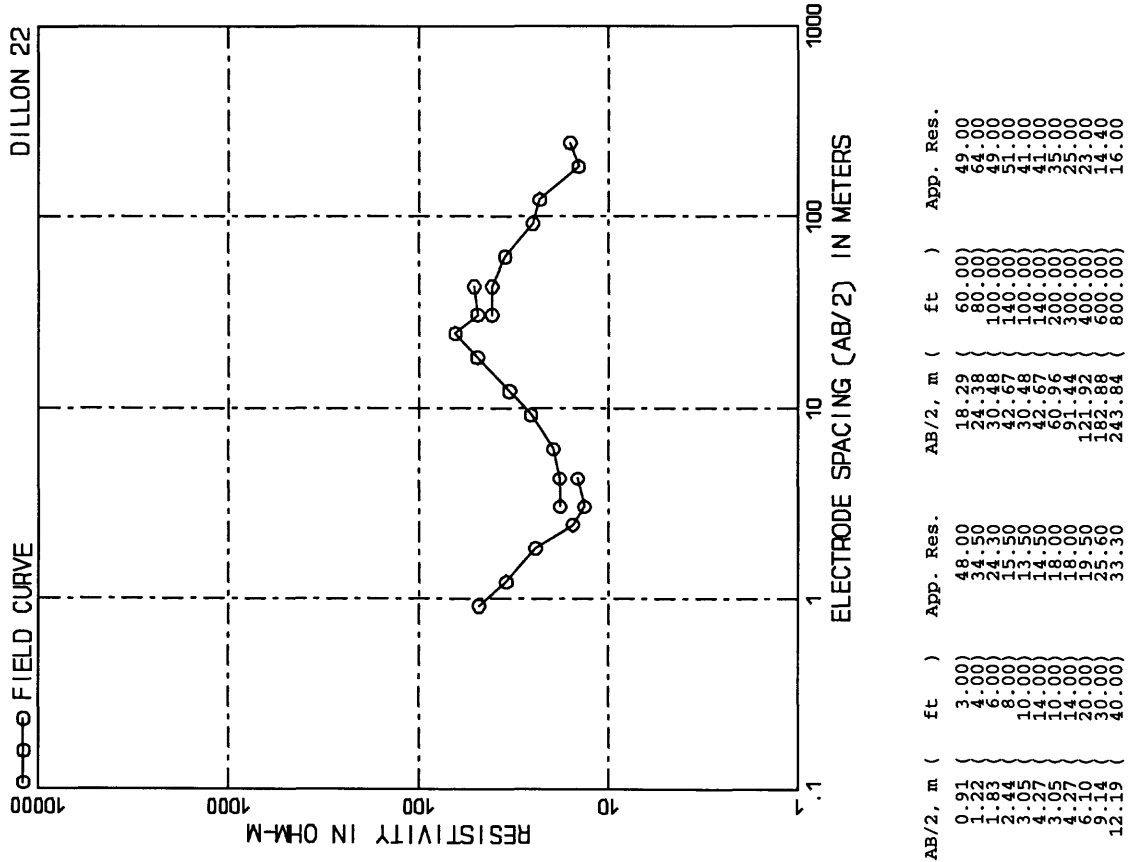
DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.55	1.80	568.46	8.07	26.49	31.97
1.10	3.60	293.04	16.14	52.98	20.94
1.65	5.40	123.04	24.21	79.47	15.11
2.20	7.20	91.87	32.28	105.96	11.88
2.75	9.00	72.80	40.35	132.45	9.08
3.30	10.80	60.94	48.42	158.94	7.75
3.85	12.60	52.94	56.49	185.43	6.41
4.40	14.40	46.00	64.56	211.92	5.49
4.95	16.20	40.00	72.63	238.41	4.57
5.50	18.00	35.00	80.70	264.90	3.66
			88.77	291.39	2.74
			96.84	317.88	1.83
			104.91	344.37	0.91
			112.98	370.86	
			121.05	397.35	
			129.12	423.84	
			137.19	450.33	
			145.26	476.82	
			153.33	503.31	
			161.40	529.80	
			169.47	556.29	
			177.54	582.78	
			185.61	609.27	
			193.68	635.76	
			201.75	662.25	
			209.82	688.74	
			217.89	715.23	
			225.96	741.72	
			234.03	768.21	
			242.10	794.70	
			250.17	821.19	
			258.24	847.68	
			266.31	874.17	
			274.38	900.66	
			282.45	927.15	
			290.52	953.64	
			298.59	980.13	
			306.66	1006.62	
			314.73	1033.11	
			322.80	1059.60	
			330.87	1086.09	
			338.94	1112.58	
			347.01	1139.07	
			355.08	1165.56	
			363.15	1192.05	
			371.22	1218.54	
			379.29	1245.03	
			387.36	1271.52	
			395.43	1298.01	
			403.50	1324.50	
			411.57	1350.99	
			419.64	1377.48	
			427.71	1403.97	
			435.78	1430.46	
			443.85	1456.95	
			451.92	1483.44	
			459.99	1509.93	
			468.06	1536.42	
			476.13	1562.91	
			484.20	1589.40	
			492.27	1615.89	
			500.34	1642.38	
			508.41	1668.87	
			516.48	1695.36	
			524.55	1721.85	
			532.62	1748.34	
			540.69	1774.83	
			548.76	1801.32	
			556.83	1827.81	
			564.90	1854.30	
			572.97	1880.79	
			581.04	1907.28	
			589.11	1933.77	
			597.18	1960.26	
			605.25	1986.75	
			613.32	2013.24	
			621.39	2039.73	
			629.46	2066.22	
			637.53	2092.71	
			645.60	2119.20	
			653.67	2145.69	
			661.74	2172.18	
			669.81	2198.67	
			677.88	2225.16	
			685.95	2251.65	
			694.02	2278.14	
			702.09	2304.63	
			710.16	2331.12	
			718.23	2357.61	
			726.30	2384.10	
			734.37	2410.59	
			742.44	2437.08	
			750.51	2463.57	
			758.58	2489.06	
			766.65	2515.55	
			774.72	2542.04	
			782.79	2568.53	
			790.86	2595.02	
			798.93	2621.51	
			807.00	2648.00	
			815.07	2674.49	
			823.14	2700.98	
			831.21	2727.47	
			839.28	2753.96	
			847.35	2780.45	
			855.42	2806.94	
			863.49	2833.43	
			871.56	2859.92	
			879.63	2886.41	
			887.70	2912.90	
			895.77	2939.39	
			903.84	2965.88	
			911.91	2992.37	
			920.00	3018.86	
			928.07	3045.35	
			936.14	3071.84	
			944.21	3098.33	
			952.28	3124.82	
			960.35	3151.31	
			968.42	3177.80	
			976.49	3204.29	
			984.56	3230.78	
			992.63	3257.27	
			1000.70	3283.76	
			1008.77	3310.25	
			1016.84	3336.74	
			1024.91	3363.23	
			1032.98	3389.72	
			1041.05	3416.21	
			1049.12	3442.70	
			1057.19	3469.19	
			1065.26	3495.68	
			1073.33	3522.17	
			1081.40	3548.66	
			1089.47	3575.15	
			1097.54	3601.64	
			1105.61	3628.13	
			1113.68	3654.62	
			1121.75	3681.11	
			1129.82	3707.60	
			1137.89	3734.09	
			1145.96	3760.58	
			1154.03	3787.07	
			1162.10	3813.56	
			1170.17	3840.05	
			1178.24	3866.54	
			1186.31	3893.03	
			1194.38	3919.52	
			1202.45	3946.01	
			1210.52	3972.50	
			1218.59	3999.00	

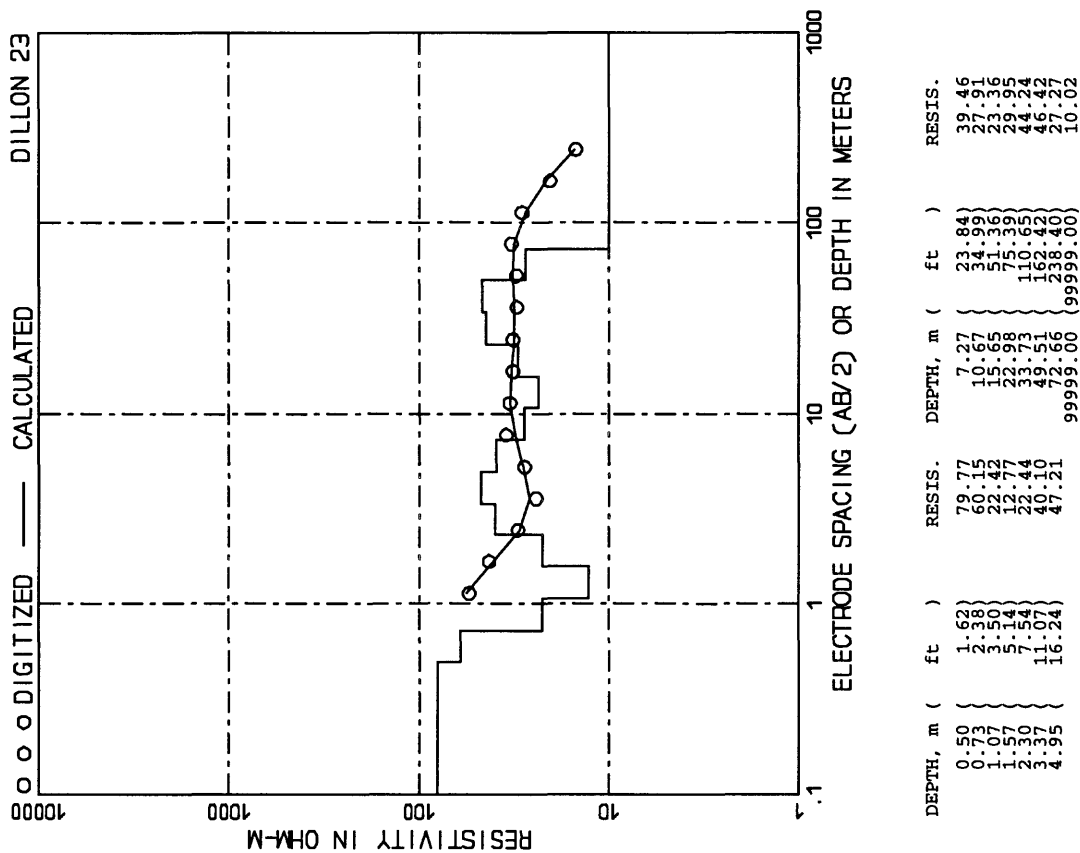
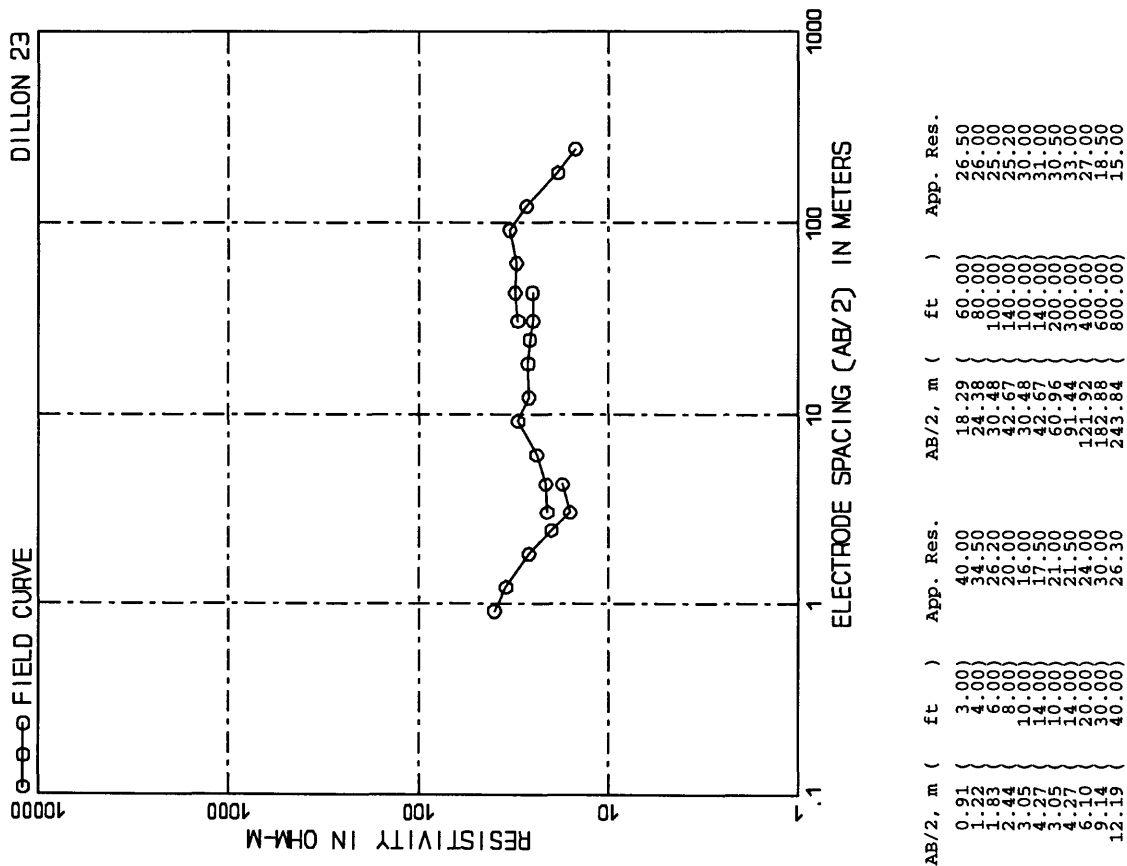


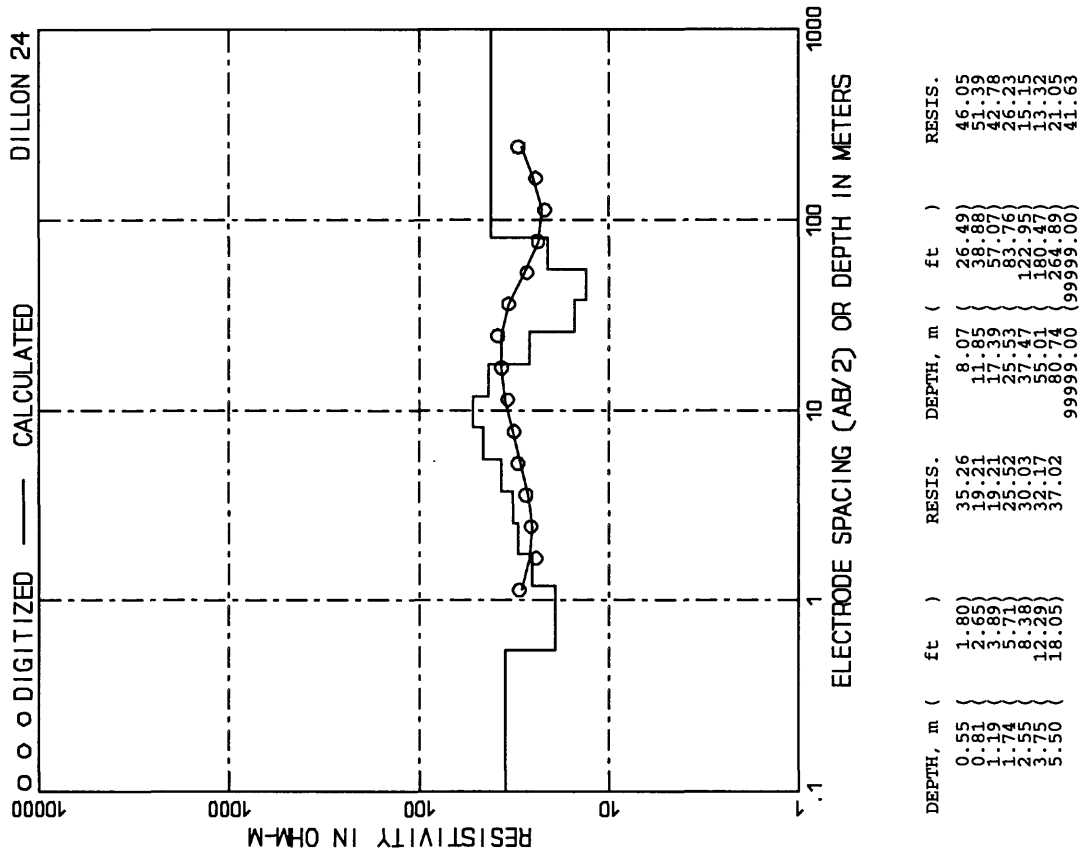
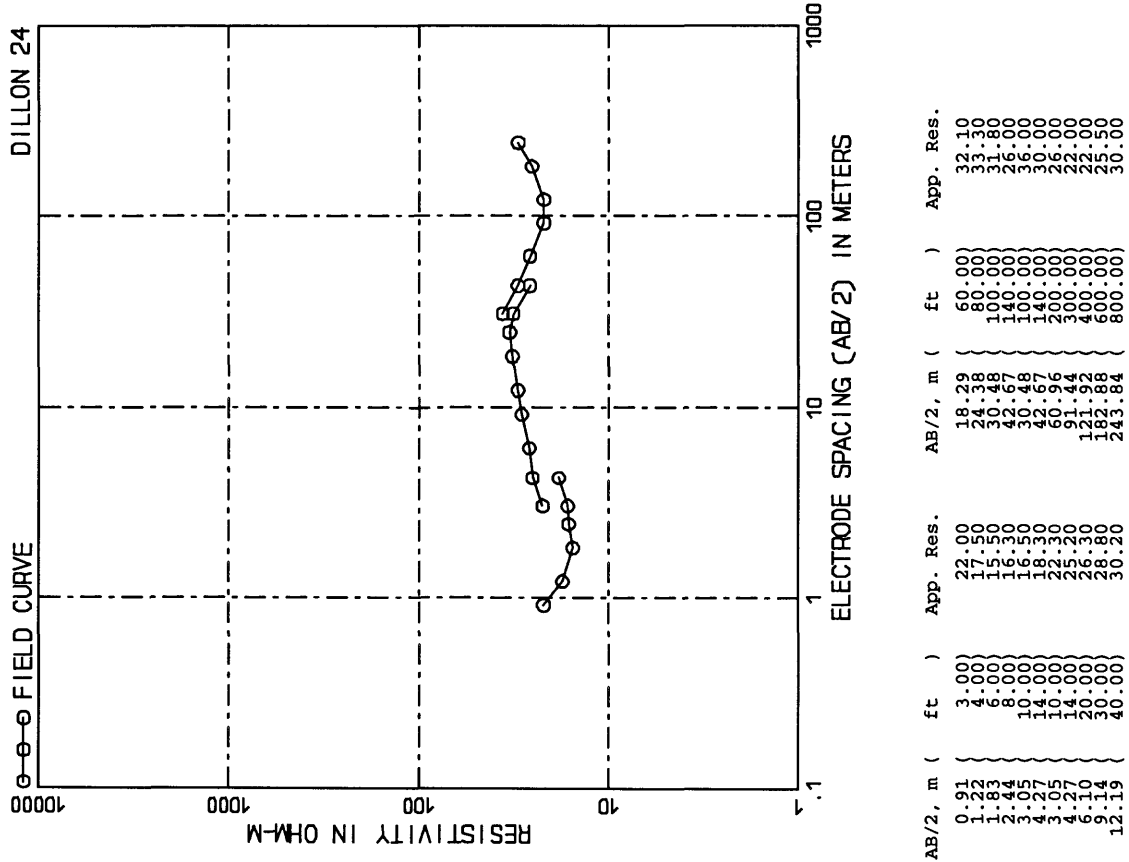
DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.50	{	127.73	7.27	{	88.16
0.73	{	127.43	10.65	{	120.43
1.07	{	72.49	22.98	{	120.92
1.57	{	91.49	33.73	{	135.18
2.30	{	113.99	48.51	{	172.14
3.37	{	103.08	72.62	{	233.40
4.35	{	90.60	9999.00	{	314.90

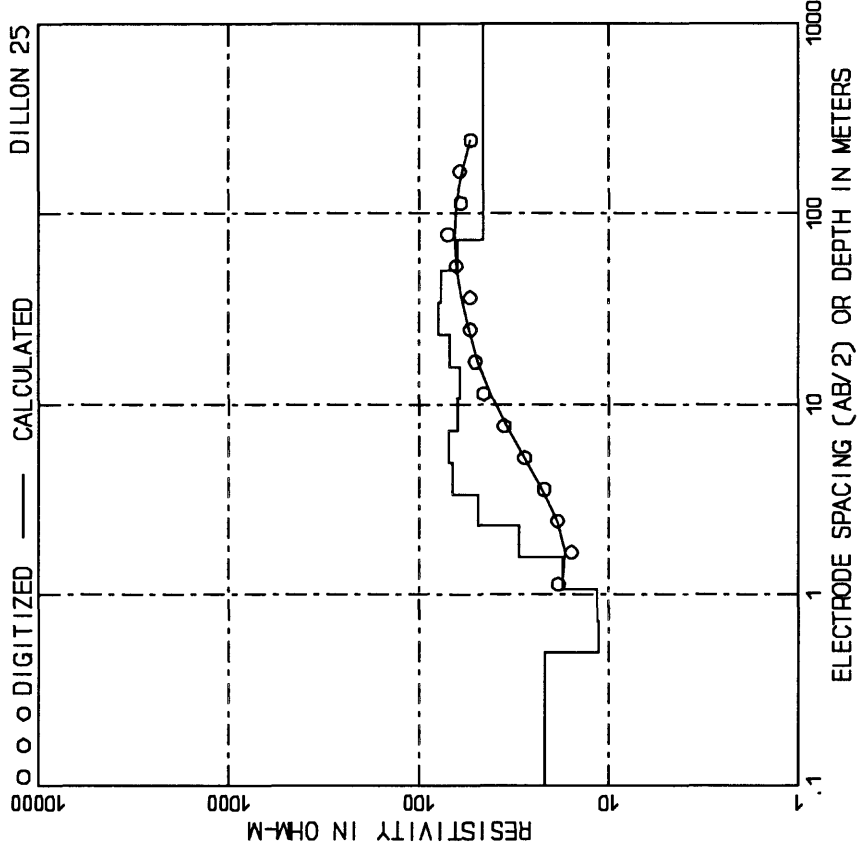


AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91	{	115.00	18.29	{	106.00
1.22	{	117.00	24.28	{	115.00
1.83	{	167.00	34.48	{	125.00
2.34	{	95.00	50.48	{	117.00
3.25	{	97.00	69.67	{	132.00
4.27	{	93.00	80.96	{	137.00
5.20	{	102.00	91.44	{	160.00
6.14	{	104.00	121.92	{	187.00
9.11	{	103.00	182.88	{	213.00
12.19	{	103.00	243.84	{	238.00

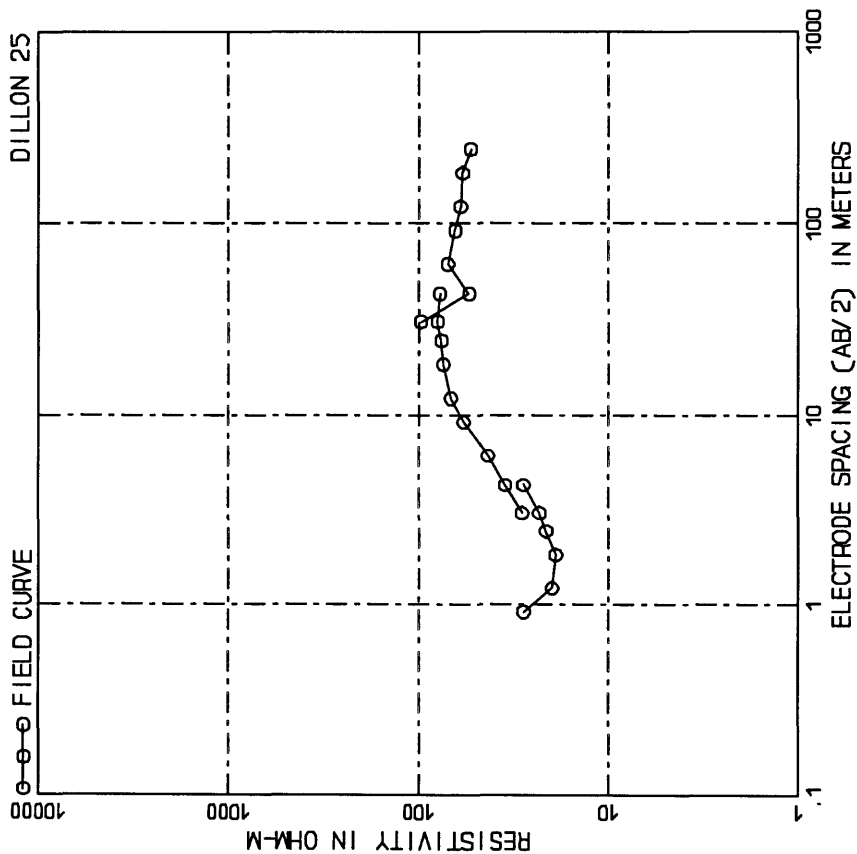




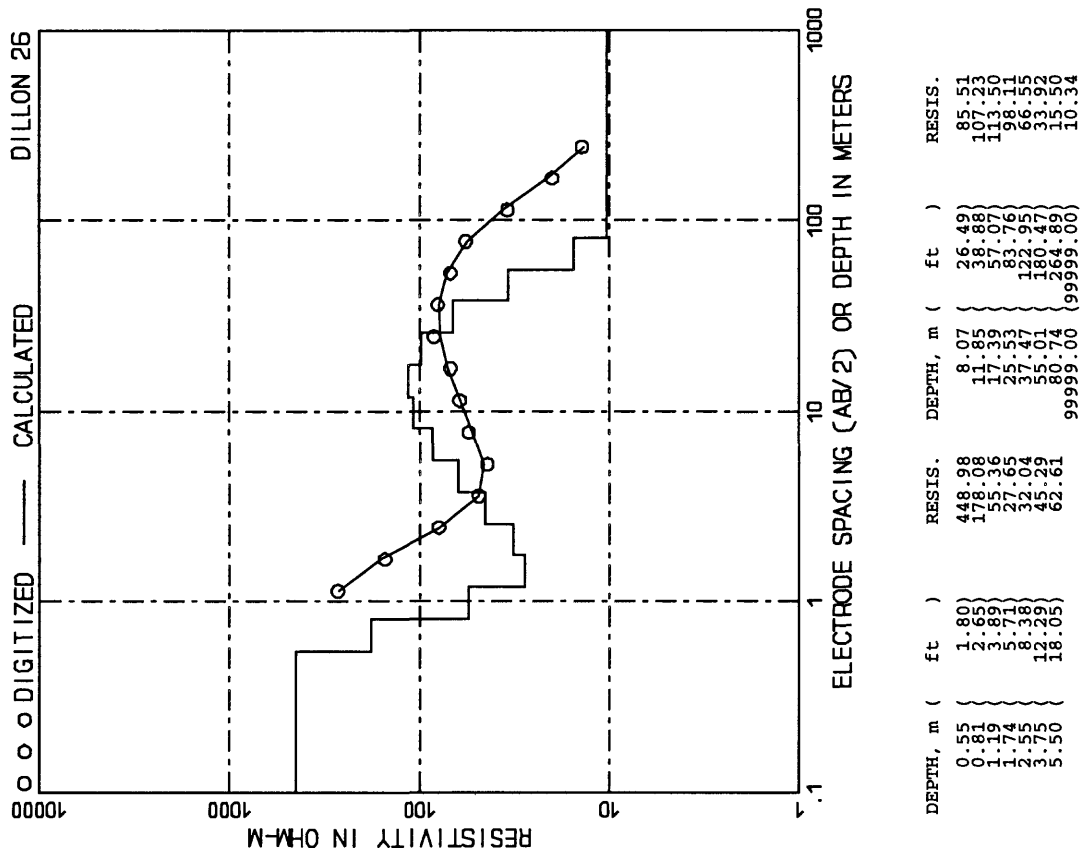
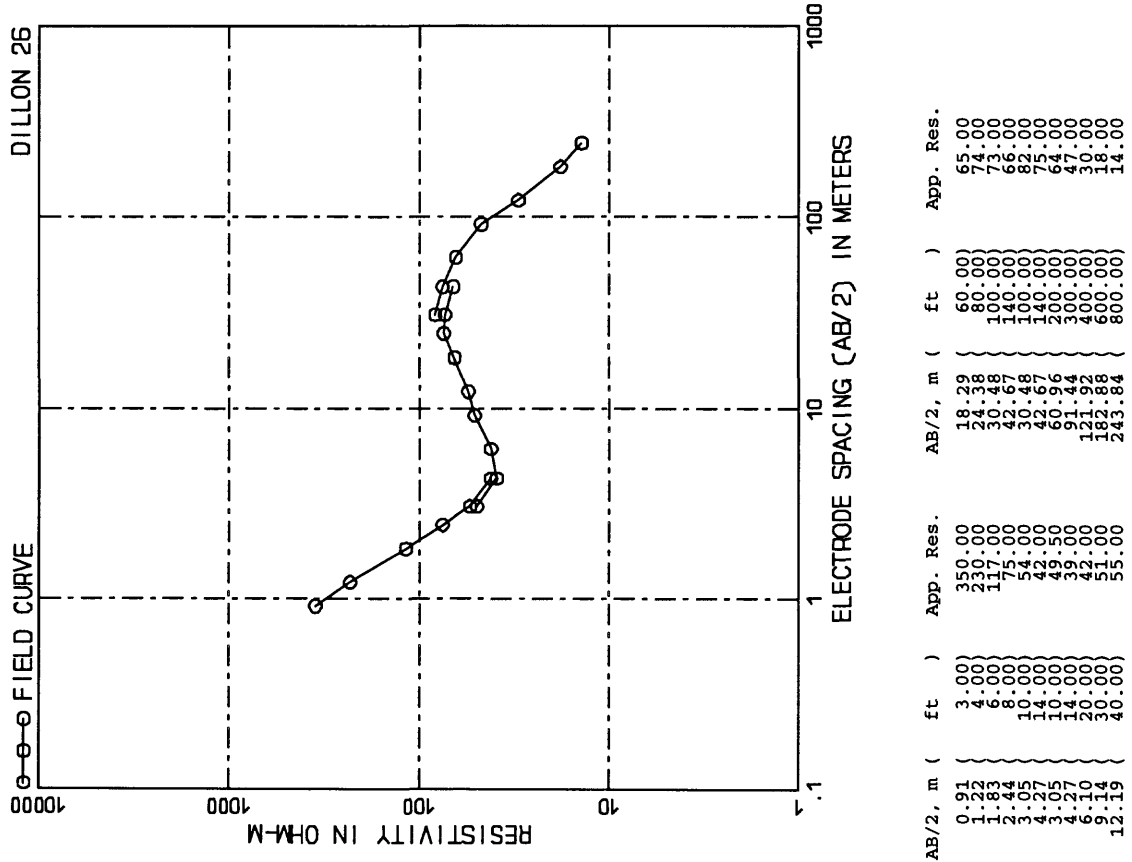


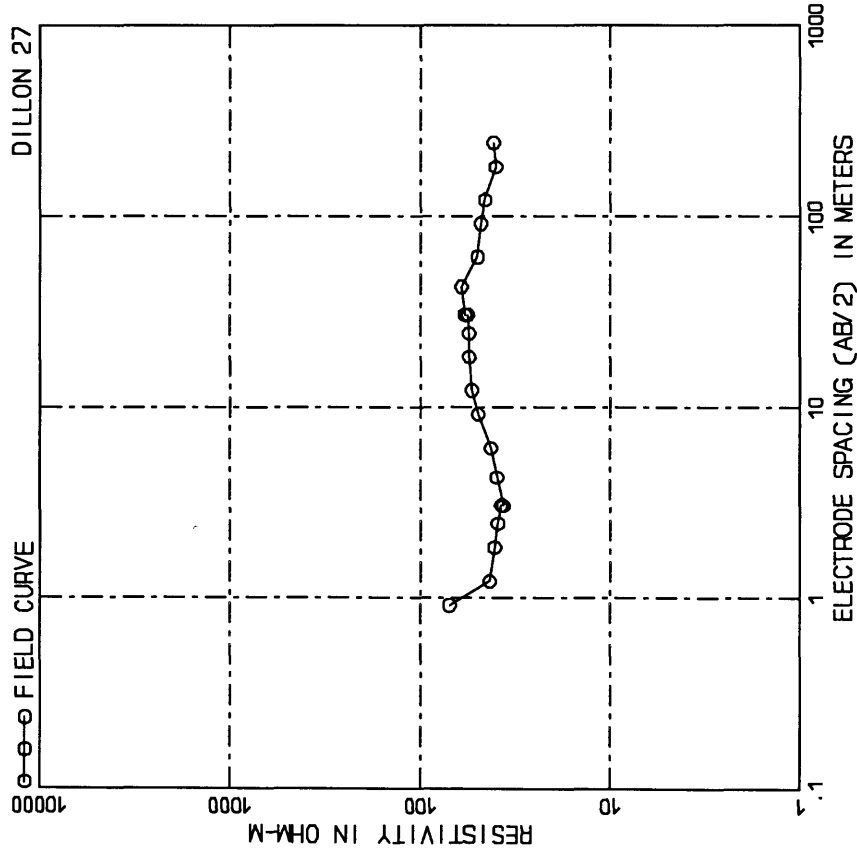


DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.50 {	1.62 {	21.73	7.27 {	23.84 {	69.91
1.07 {	3.50 {	11.38	10.67 {	34.99 {	60.82
1.57 {	5.14 {	11.51	15.24 {	51.36 {	60.12
2.30 {	7.54 {	17.38	22.91 {	75.33 {	78.86
3.35 {	11.04 {	23.72	33.51 {	110.65 {	75.18
4.35 {	16.24 {	48.63	59.99 {	199.99 {	26.78
		66.03	9999.00 {	99999.00 {	45.95

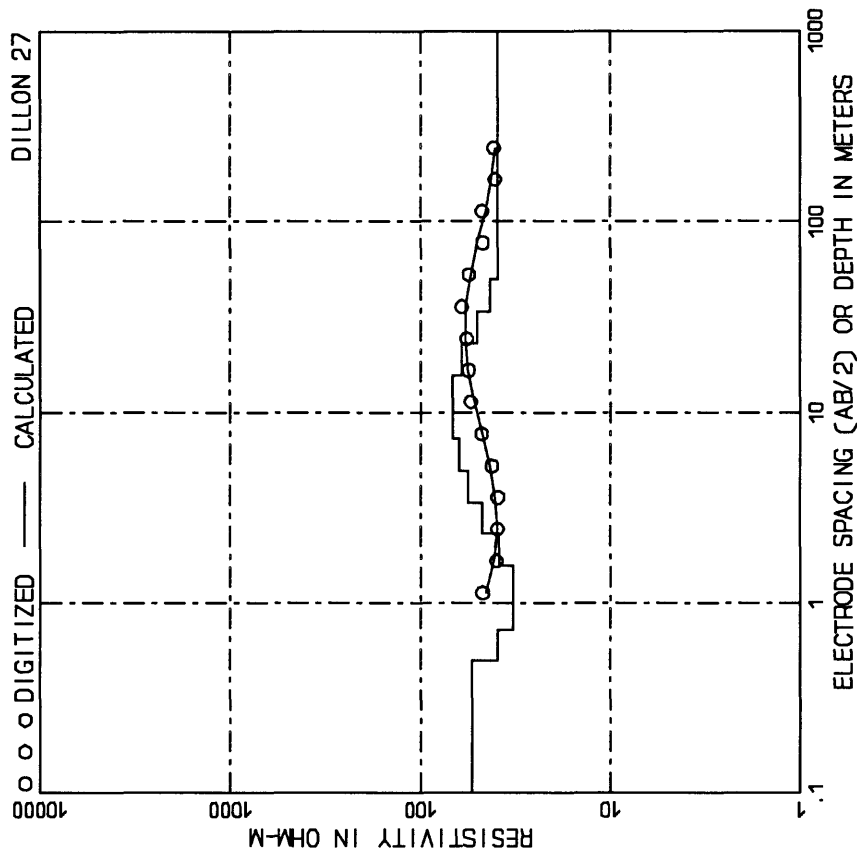


AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91 {	3.00 {	28.00	18.29 {	60.00 {	74.00
1.23 {	4.00 {	19.80	24.38 {	80.00 {	76.00
1.64 {	5.40 {	19.50	30.46 {	100.00 {	79.50
2.05 {	6.70 {	21.50	42.67 {	140.00 {	77.00
2.46 {	8.00 {	23.00	56.97 {	200.00 {	57.00
2.87 {	9.40 {	28.50	75.14 {	240.00 {	64.00
3.28 {	10.70 {	35.00	99.99 {	300.00 {	58.00
3.69 {	12.00 {	43.00	123.88 {	400.00 {	58.50
4.10 {	13.40 {	57.80	163.84 {	500.00 {	53.00
4.51 {	14.70 {	67.50	203.84 {	600.00 {	
4.92 {	16.00 {		243.84 {	800.00 {	
5.33 {	17.50 {				
5.74 {	18.80 {				
6.15 {	20.00 {				
6.56 {	21.30 {				
6.97 {	22.60 {				
7.38 {	23.90 {				
7.79 {	25.20 {				
8.20 {	26.50 {				
8.61 {	27.80 {				
9.02 {	29.10 {				
9.43 {	30.40 {				
9.84 {	31.70 {				
10.25 {	33.00 {				
10.66 {	34.30 {				
11.07 {	35.60 {				
11.48 {	36.90 {				
11.89 {	38.20 {				
12.30 {	39.50 {				
12.71 {	40.80 {				

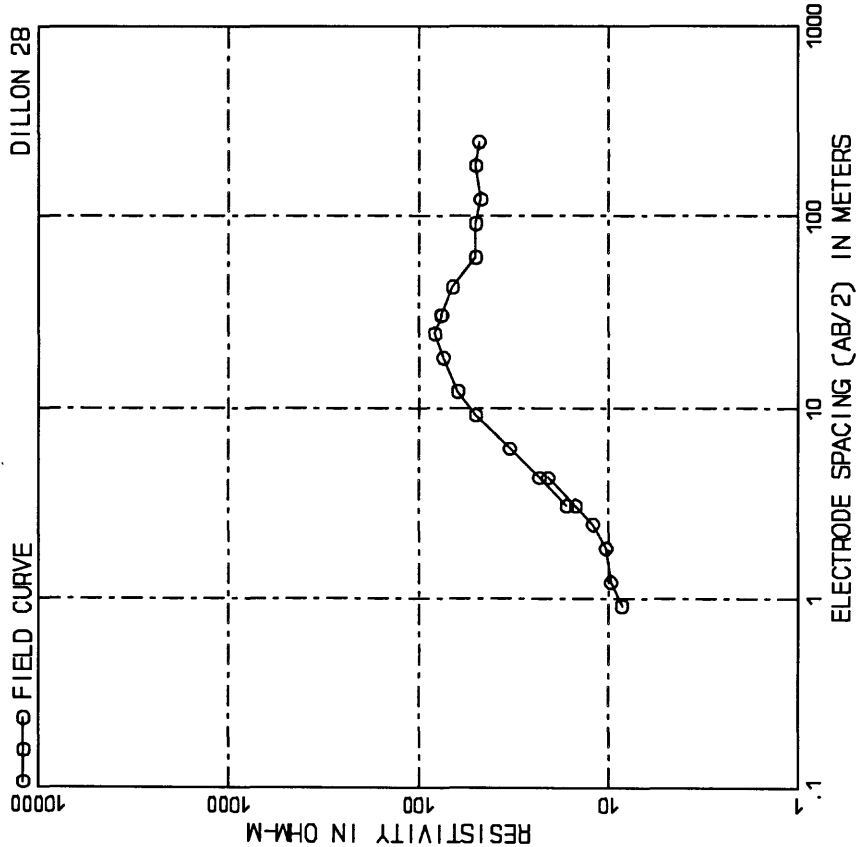




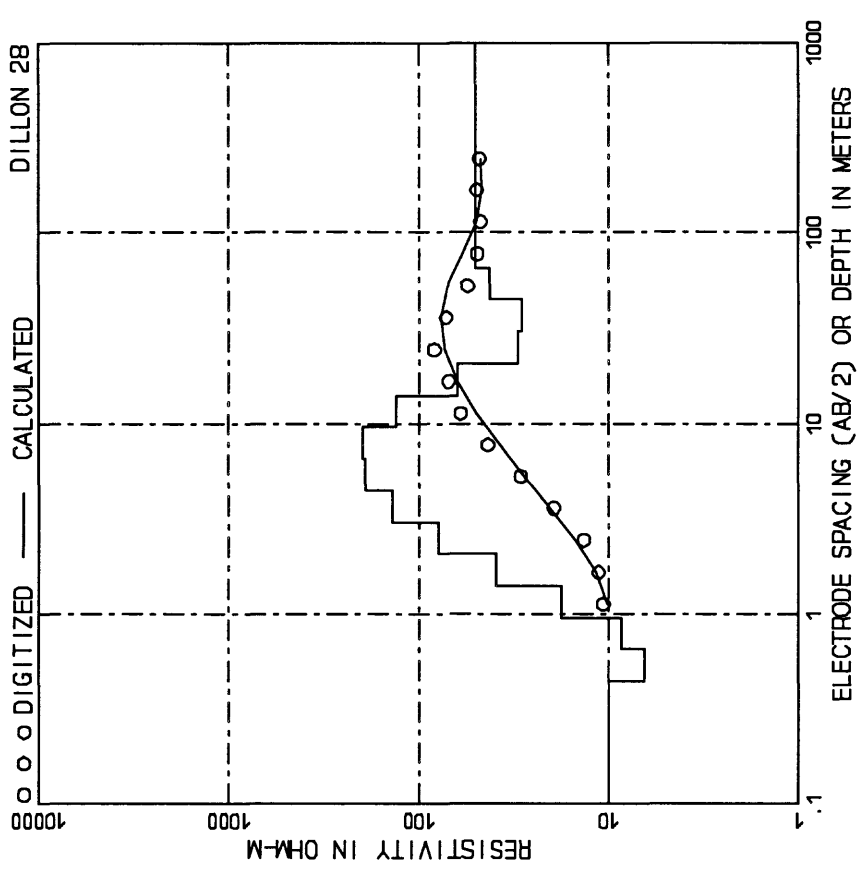
AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.31	3.00	70.00	18.29	60.00	55.00
1.23	4.00	43.00	24.38	80.00	55.00
2.43	8.00	40.00	30.48	100.00	58.00
3.65	10.00	37.50	42.67	140.00	60.00
4.87	14.00	36.50	60.96	200.00	50.00
6.10	20.00	33.50	91.44	300.00	48.00
12.19	40.00	42.50	121.92	400.00	45.00
		53.50	183.88	600.00	40.00
			243.84	800.00	41.00



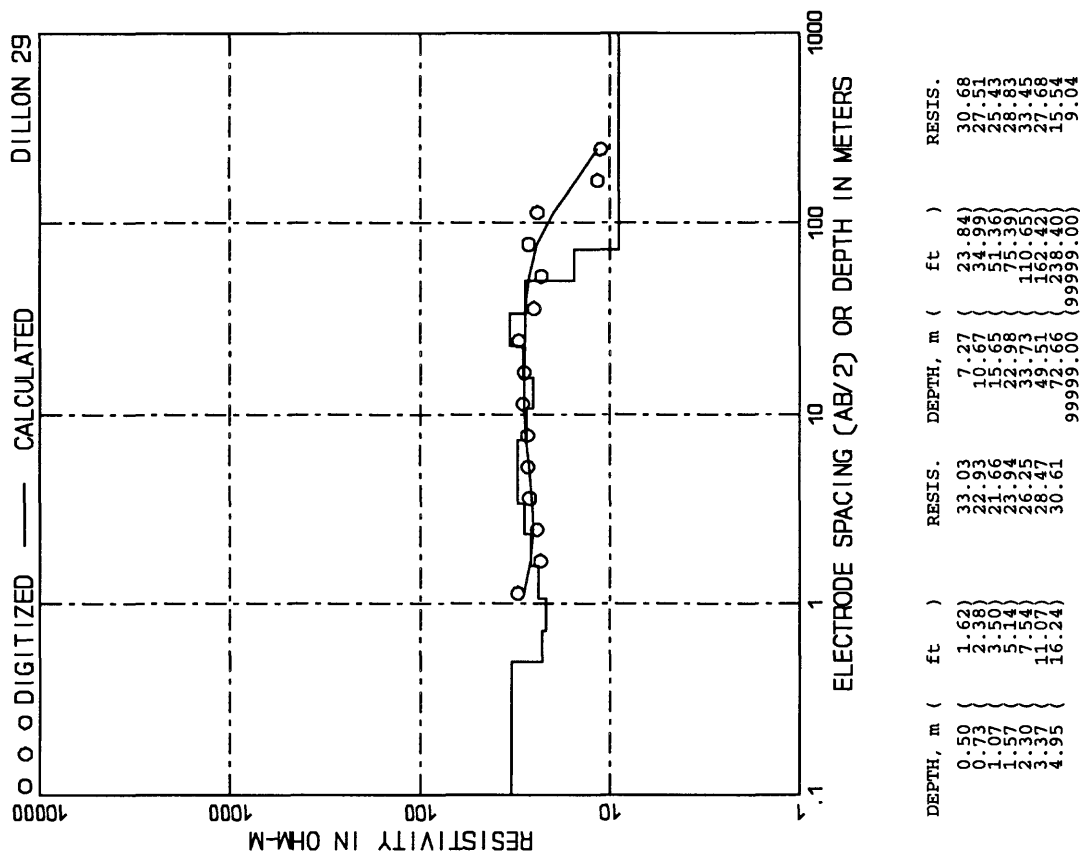
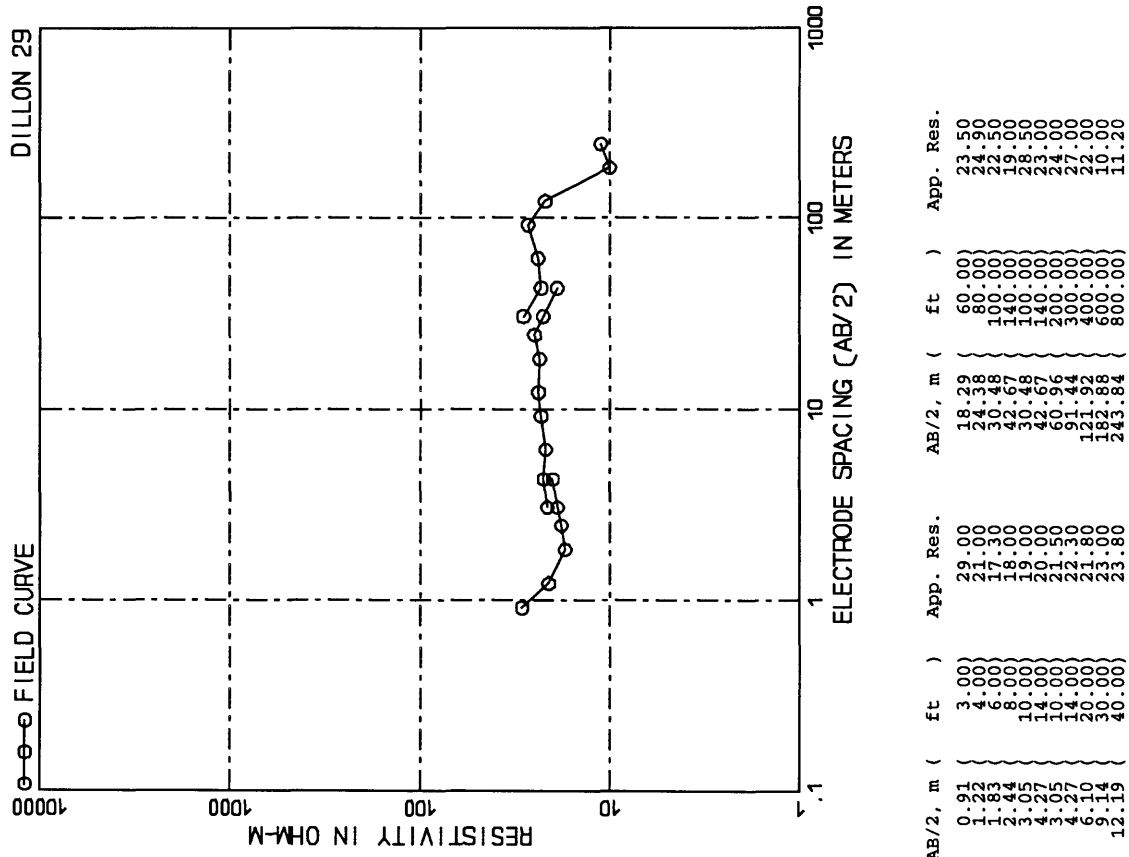
DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.50	1.62	53.81	7.27	23.84	63.50
1.07	3.50	39.03	10.67	34.99	67.70
1.57	5.14	32.79	15.65	51.36	60.09
2.30	7.54	38.56	22.98	75.39	50.24
3.37	11.07	47.36	33.73	110.65	48.71
4.95	16.24	55.59	49.86	162.42	39.06
			99999.00	99999.00	

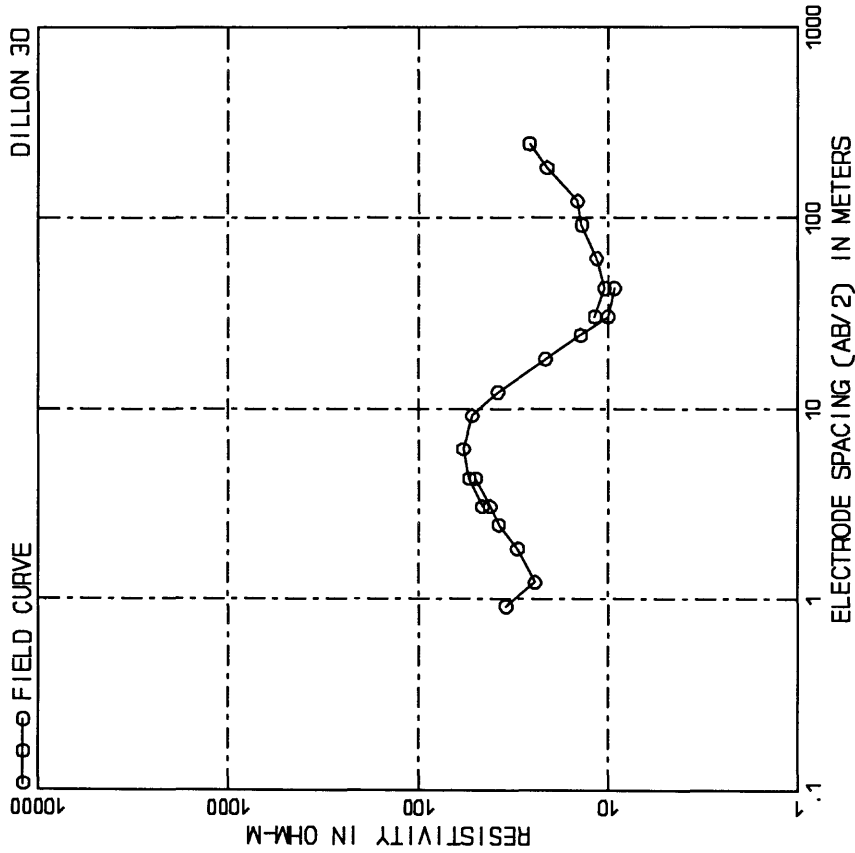


AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91	3.00	8.50	12.19	40.00	62.00
1.22	4.00	9.70	18.29	60.00	74.00
1.63	6.00	10.10	24.38	80.00	82.00
2.04	8.00	12.10	30.48	100.00	73.00
2.45	10.00	14.50	36.58	120.00	66.00
2.86	12.00	17.00	42.67	140.00	60.00
3.27	14.00	20.00	48.77	160.00	56.00
3.68	16.00	23.00	54.87	180.00	52.00
4.09	18.00	26.00	60.97	200.00	47.00
4.50	20.00	30.00	67.07	220.00	50.00
4.91	24.00	33.00	73.17	240.00	48.00
5.32	30.00	50.00	79.27	260.00	
			85.37	280.00	
			91.47	300.00	
			97.57	320.00	
			103.67	340.00	
			109.77	360.00	
			115.87	380.00	
			121.97	400.00	
			128.07	420.00	
			134.17	440.00	
			140.27	460.00	
			146.37	480.00	
			152.47	500.00	
			158.57	520.00	
			164.67	540.00	
			170.77	560.00	
			176.87	580.00	
			182.97	600.00	
			189.07	620.00	
			195.17	640.00	
			201.27	660.00	
			207.37	680.00	
			213.47	700.00	
			219.57	720.00	
			225.67	740.00	
			231.77	760.00	
			237.87	780.00	
			243.97	800.00	

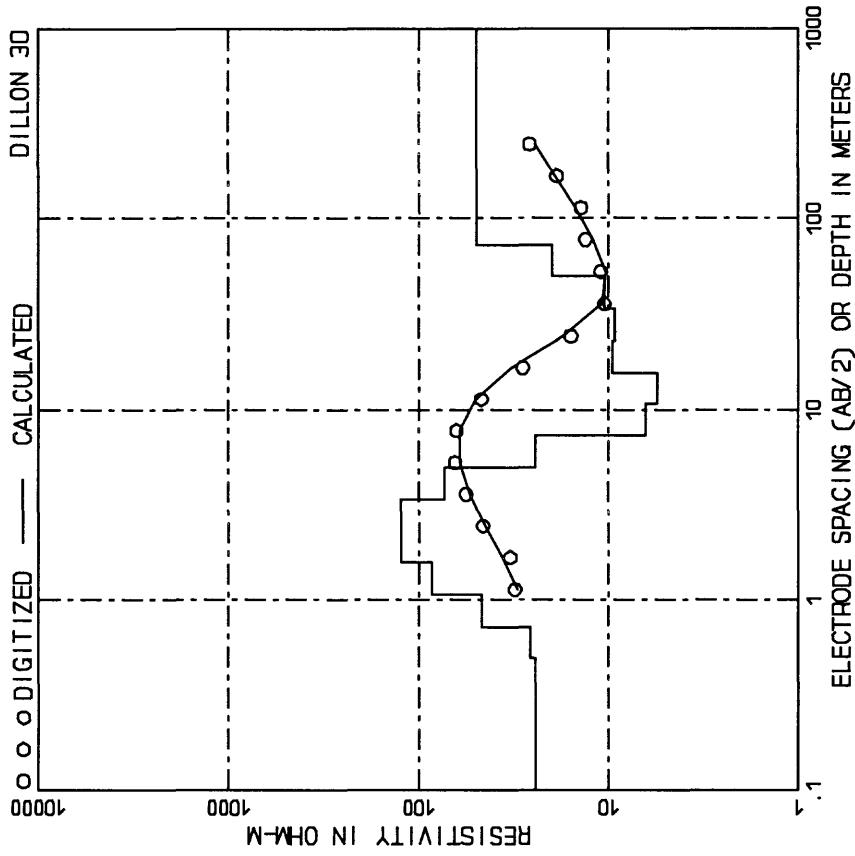


DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.45	1.46	10.04	6.54	21.46	191.55
0.65	2.15	6.46	9.60	31.49	195.09
0.96	3.15	6.39	14.09	46.23	132.15
1.41	4.62	17.73	20.88	67.85	62.30
2.07	6.79	35.13	30.33	99.58	30.33
2.94	9.62	78.92	45.40	149.50	28.32
4.46	14.62	136.92	99.99	328.00	50.38

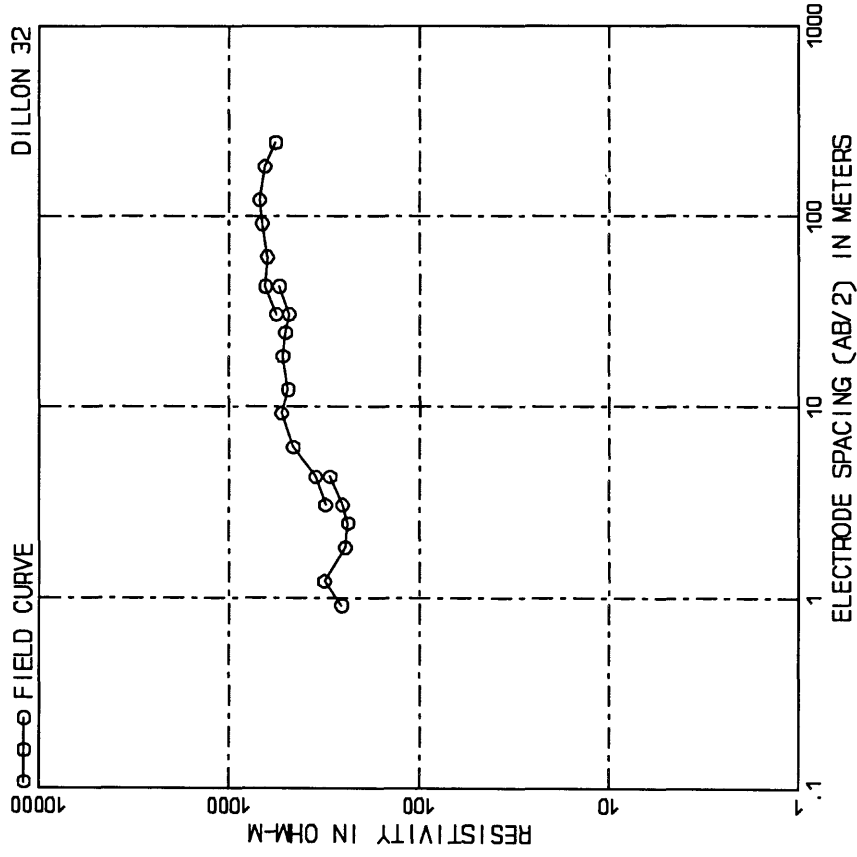




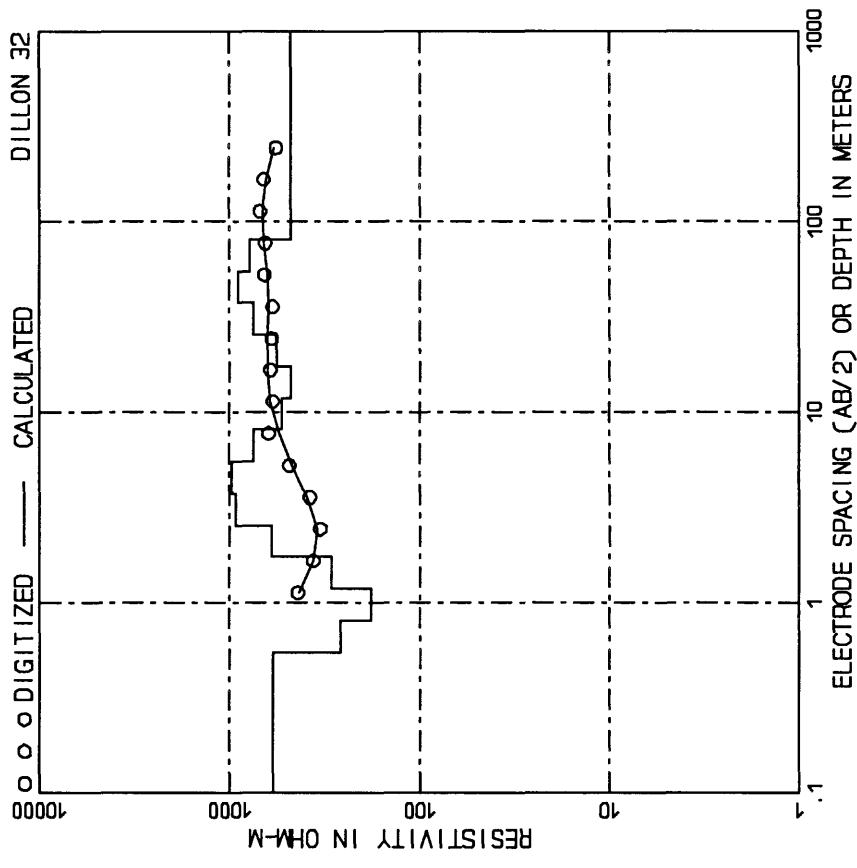
AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91	3.00	34.50	18.29	60.00	21.50
1.22	4.00	24.20	24.38	80.00	14.00
1.83	6.00	30.00	30.48	100.00	10.00
2.44	8.00	37.70	42.67	140.00	9.30
3.05	10.00	42.00	60.96	200.00	10.80
4.27	14.00	50.00	88.58	300.00	10.50
6.10	20.00	46.00	121.44	400.00	11.80
8.19	26.00	52.00	163.86	600.00	14.50
12.19	40.00	38.00	243.84	800.00	26.00



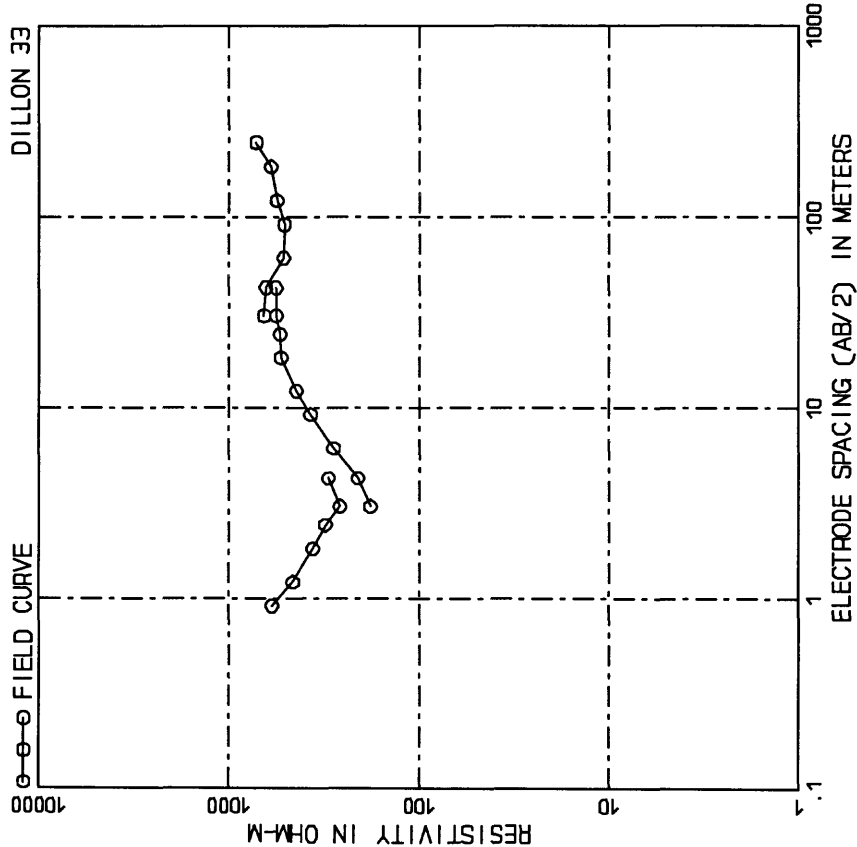
DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.50	1.62	24.14	7.27	23.84	24.23
0.73	2.38	25.93	10.67	34.99	6.43
1.07	3.50	46.80	15.65	51.36	5.53
1.57	5.14	85.73	22.98	75.39	5.53
2.30	7.54	123.98	33.73	110.65	9.35
3.37	11.07	183.82	49.51	162.42	10.48
4.95	16.24	73.09	72.66	238.40	18.92
			99999.00	99999.00	49.46



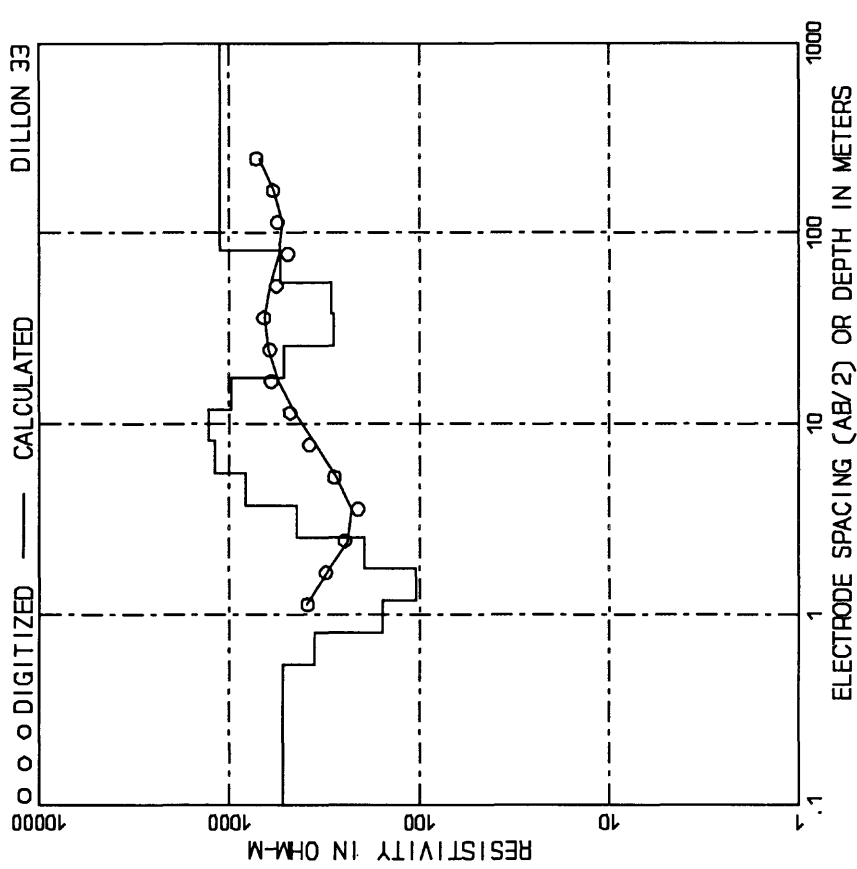
AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91 {	3.00 {	255.00 {	18.29 {	60.00 {	520.00 {
1.22 {	4.00 {	215.00 {	24.38 {	80.00 {	505.00 {
1.63 {	6.00 {	215.00 {	30.48 {	100.00 {	483.00 {
2.14 {	8.00 {	215.00 {	42.67 {	140.00 {	515.00 {
2.93 {	10.00 {	215.00 {	30.48 {	100.00 {	515.00 {
4.02 {	14.00 {	215.00 {	42.67 {	140.00 {	515.00 {
5.47 {	18.00 {	215.00 {	60.00 {	200.00 {	515.00 {
7.40 {	24.00 {	215.00 {	80.00 {	260.00 {	515.00 {
9.91 {	32.00 {	215.00 {	100.00 {	320.00 {	515.00 {
12.19 {	40.00 {	215.00 {	121.92 {	400.00 {	515.00 {
			152.88 {	500.00 {	515.00 {
			243.84 {	800.00 {	570.00 {



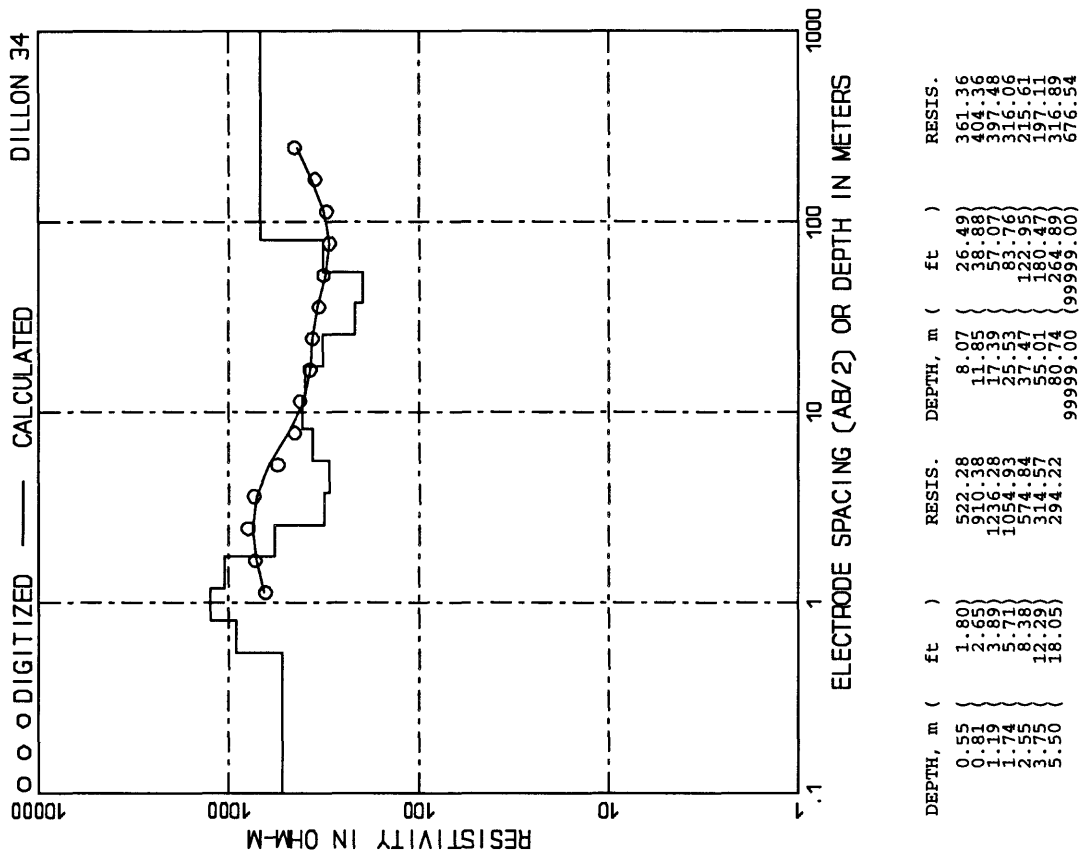
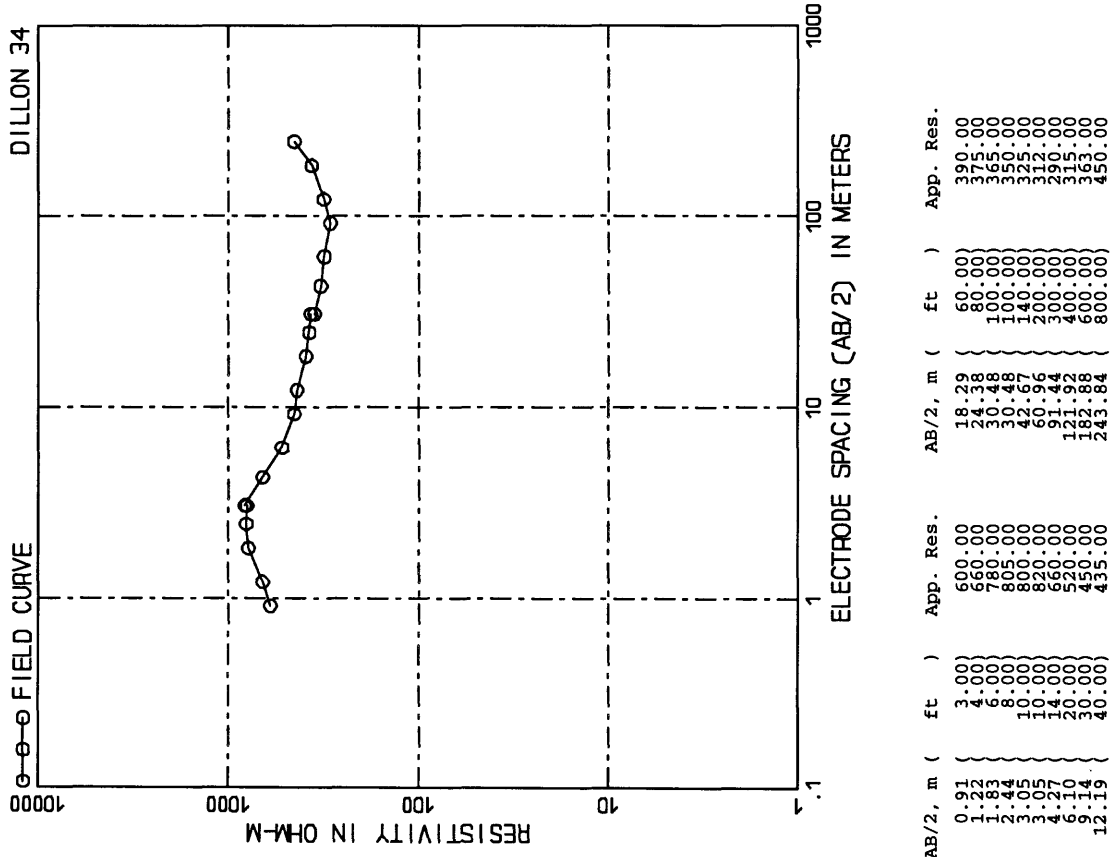
DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.55 {	1.80 {	588.03 {	8.07 {	26.49 {	745.41 {
1.19 {	3.91 {	260.17 {	11.85 {	38.88 {	531.35 {
1.74 {	5.71 {	179.33 {	17.39 {	57.07 {	473.21 {
2.35 {	7.71 {	189.77 {	25.53 {	83.76 {	567.35 {
3.25 {	10.66 {	928.46 {	37.47 {	122.95 {	752.07 {
5.50 {	18.05 {	966.49 {	56.91 {	180.47 {	897.97 {
			80.74 {	264.89 {	787.27 {
			99999.00 {	99999.00 {	472.63 {

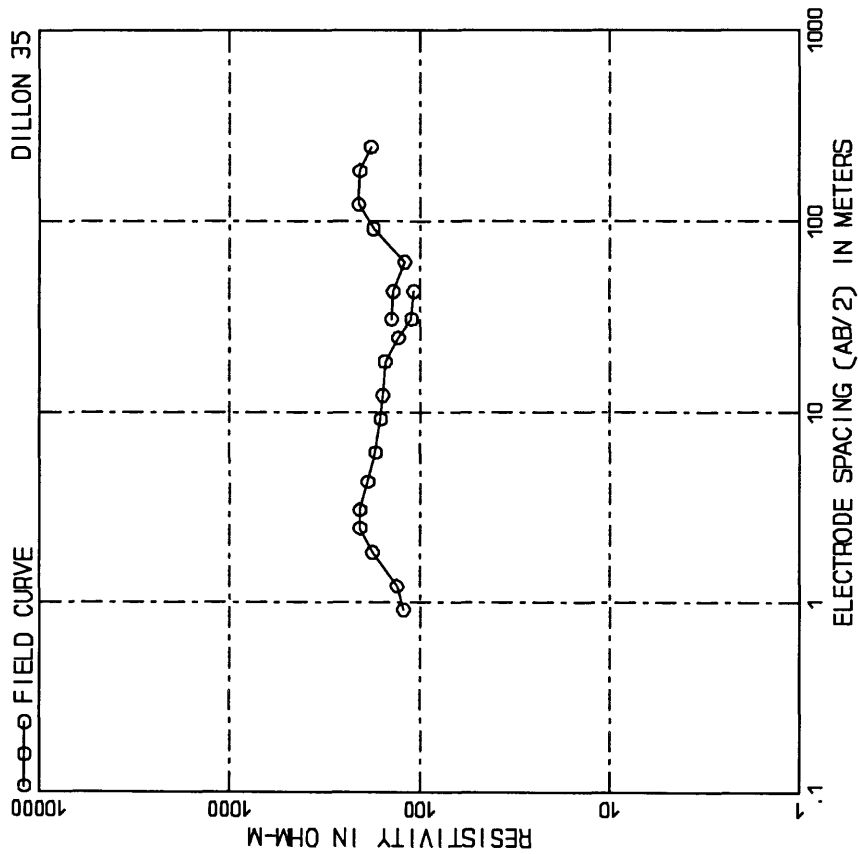


AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91	3.00	590.00	18.29	60.00	533.00
1.22	4.00	460.00	24.38	80.00	540.00
1.83	6.00	360.00	30.48	100.00	565.00
2.44	8.00	310.00	42.67	140.00	565.00
3.05	10.00	260.00	30.48	100.00	635.00
3.66	12.00	230.00	42.67	140.00	640.00
4.27	14.00	210.00	60.96	200.00	615.00
4.88	16.00	200.00	89.14	300.00	510.00
5.49	18.00	190.00	121.94	400.00	560.00
6.10	20.00	180.00	182.84	600.00	600.00
6.71	22.00	170.00	243.84	800.00	720.00
7.32	24.00	160.00			
7.93	26.00	150.00			
8.54	28.00	140.00			
9.15	30.00	130.00			
9.76	32.00	120.00			
10.37	34.00	110.00			
10.98	36.00	100.00			
11.59	38.00	90.00			
12.20	40.00	80.00			

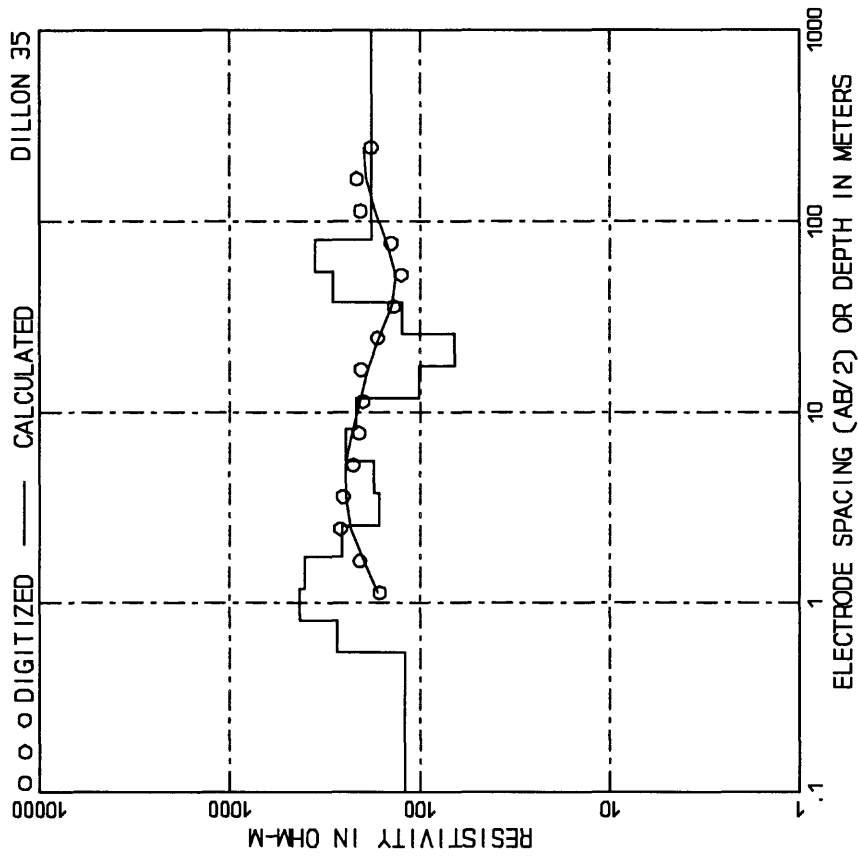


DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.55	1.80	523.54	8.07	26.49	1189.97
0.81	2.65	354.56	11.85	38.88	1280.08
1.19	3.89	155.77	17.39	57.07	966.48
1.74	5.71	103.67	25.53	83.76	517.13
2.53	8.28	193.57	37.47	122.35	280.98
3.55	12.23	442.62	55.91	180.49	290.02
5.50	18.05	824.61	80.74	264.89	541.06
			99999.00	(99999.00)	1124.41

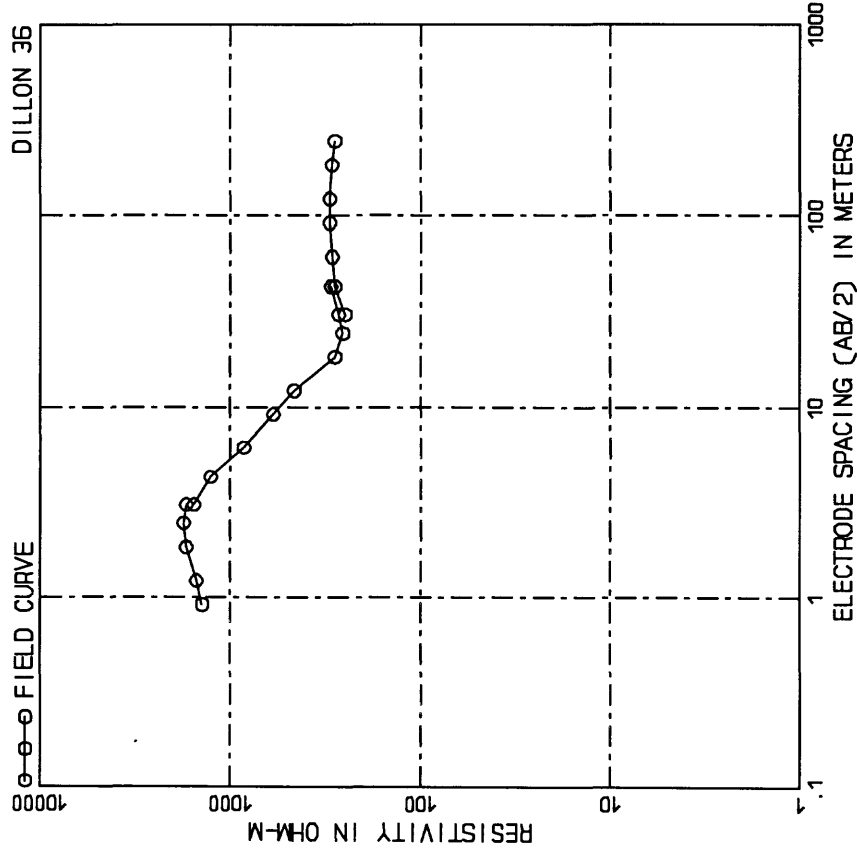




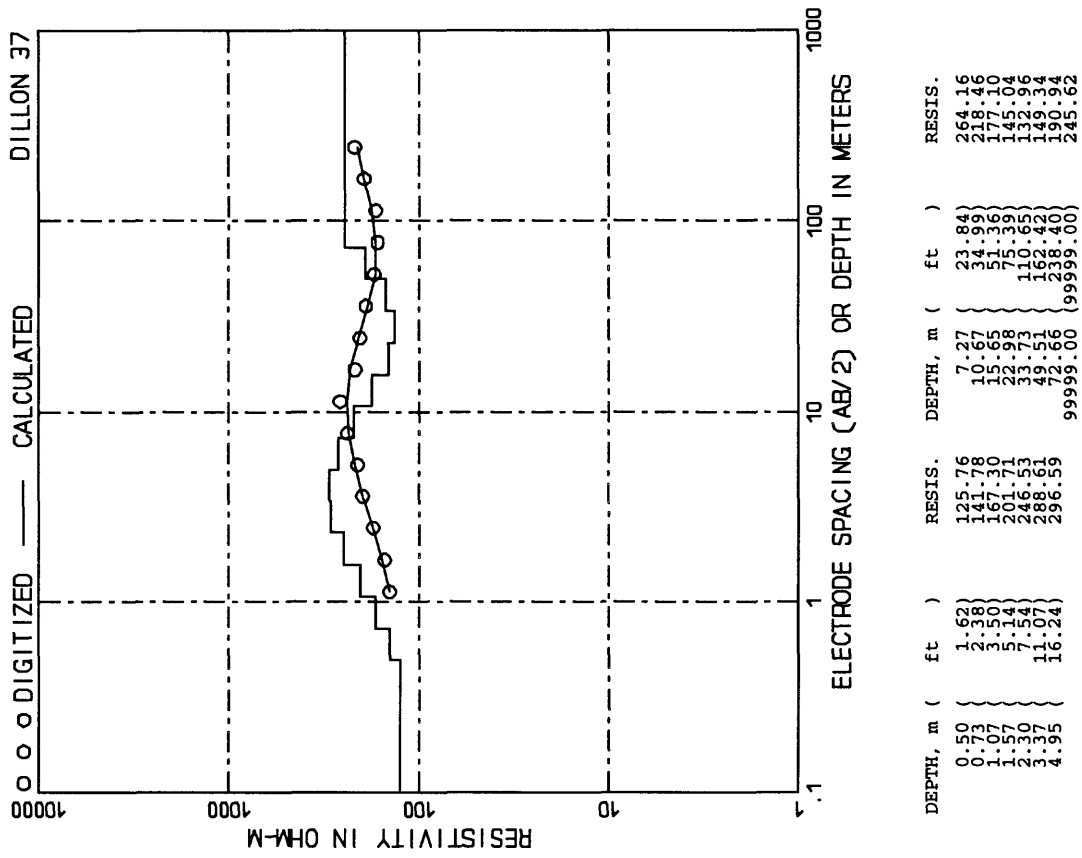
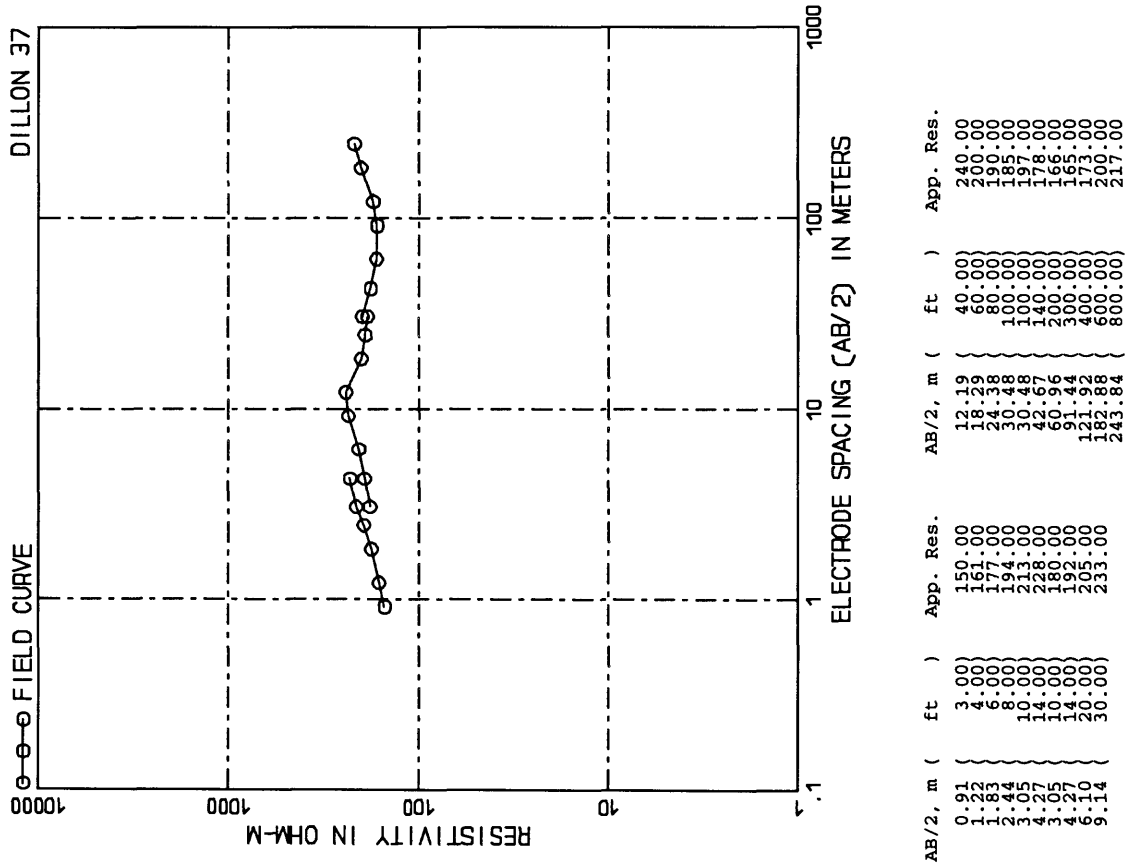
AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91	3.00	122.00	18.29	60.00	152.00
1.22	4.00	132.00	24.38	80.00	130.00
1.83	6.00	177.00	30.48	100.00	110.00
2.44	8.00	205.00	42.67	140.00	107.00
3.05	10.00	205.00	60.96	200.00	140.00
3.66	12.00	205.00	89.33	300.00	137.00
4.27	14.00	187.00	127.70	400.00	129.00
4.88	16.00	170.00	182.88	600.00	115.00
5.49	18.00	156.00	243.84	800.00	100.00
6.10	20.00	156.00			180.00
12.19	40.00				

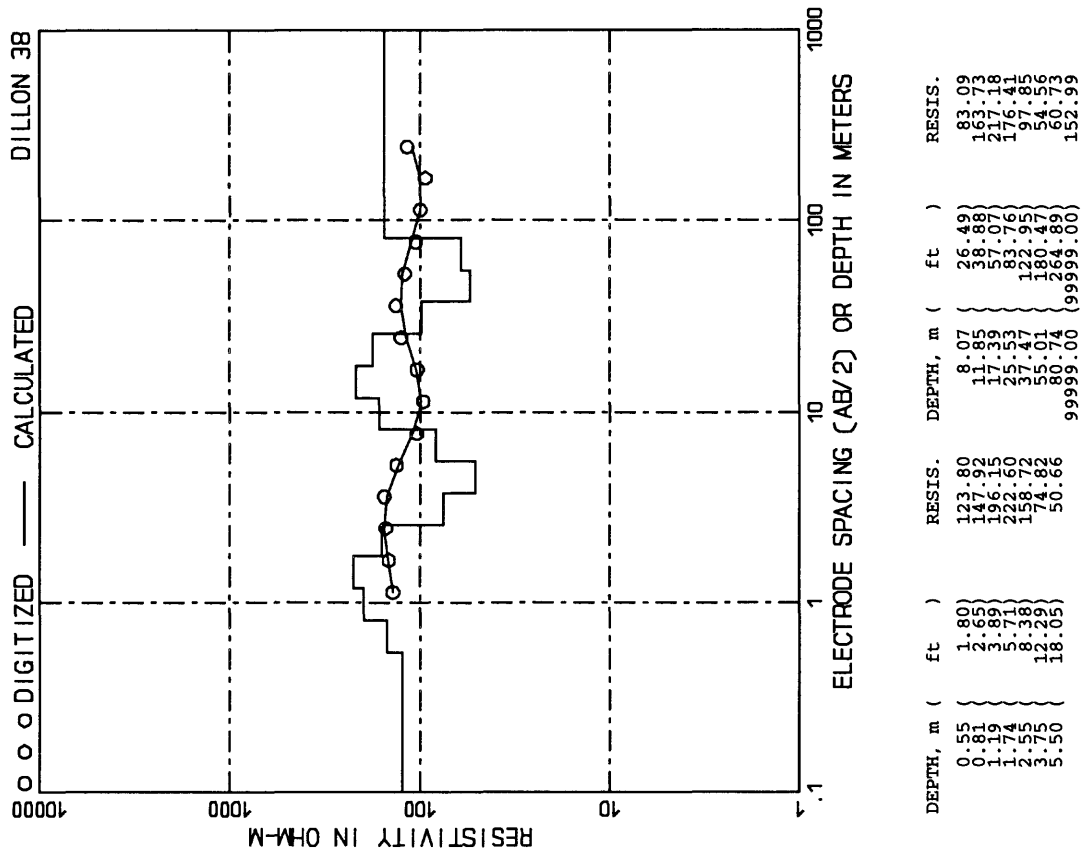
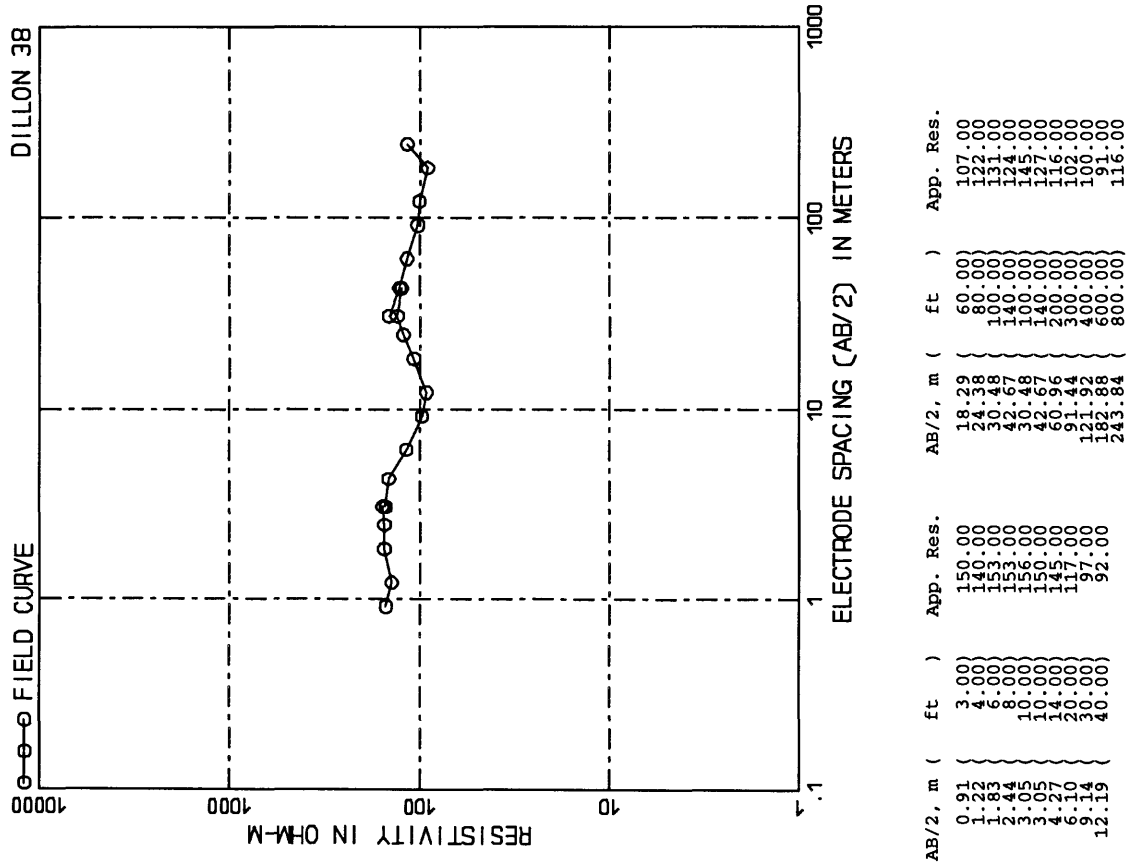


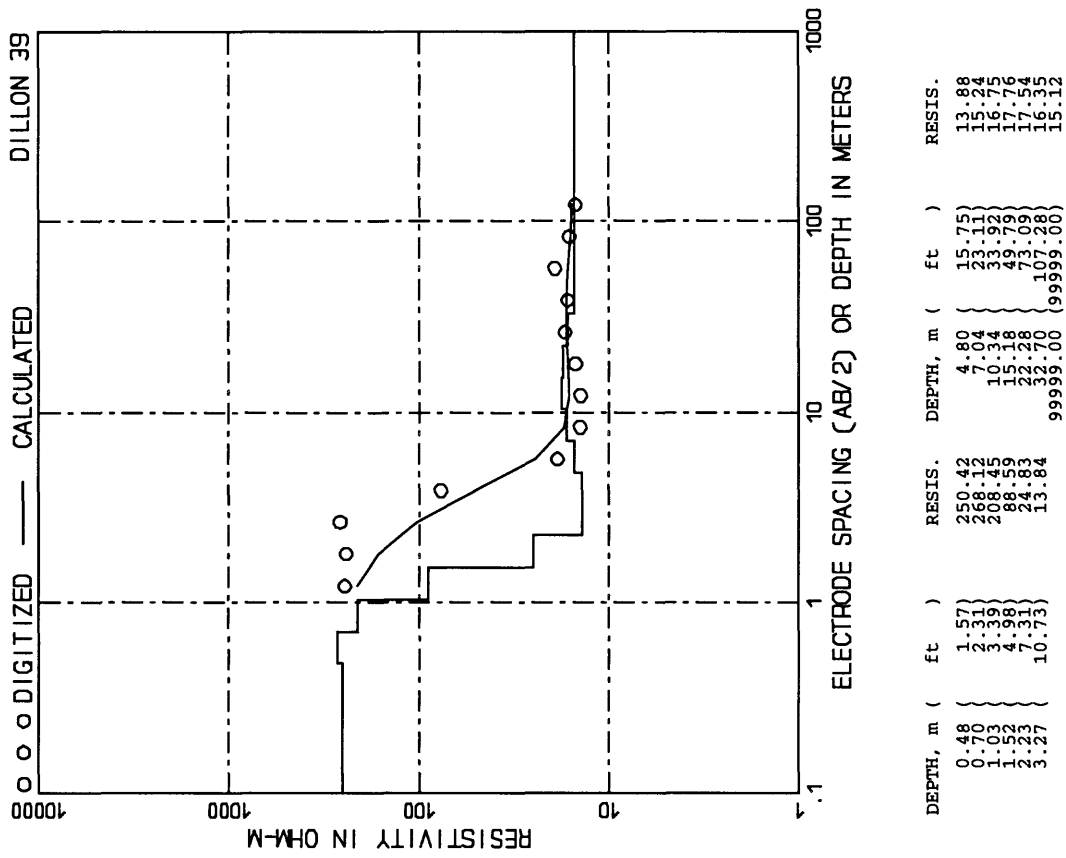
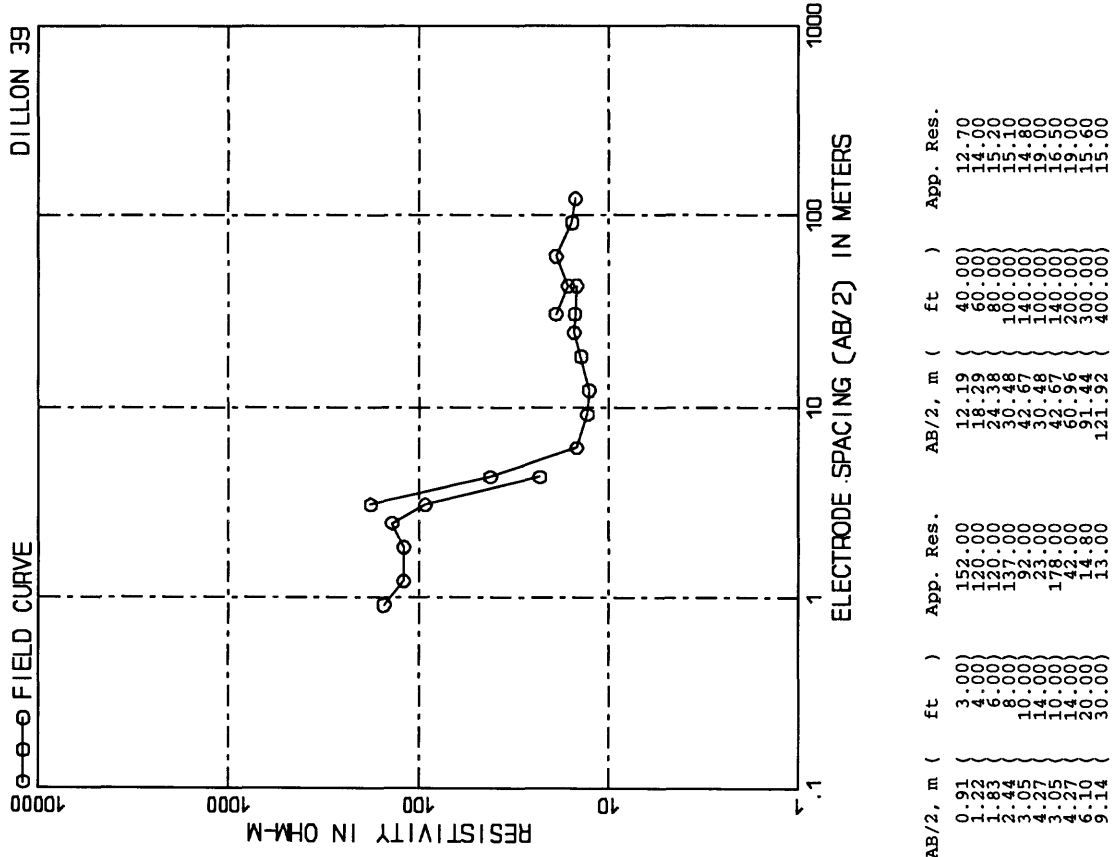
DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.55	1.80	120.68	8.07	26.49	243.95
0.81	2.65	270.77	11.85	38.88	215.35
1.19	3.89	426.18	17.39	57.07	100.80
1.74	5.71	403.02	25.53	83.76	165.47
2.55	8.38	254.11	37.47	122.95	123.53
3.75	12.33	162.68	55.01	180.47	286.58
5.50	18.05	172.51	80.74	264.89	354.70
			99999.00	99999.00	179.69

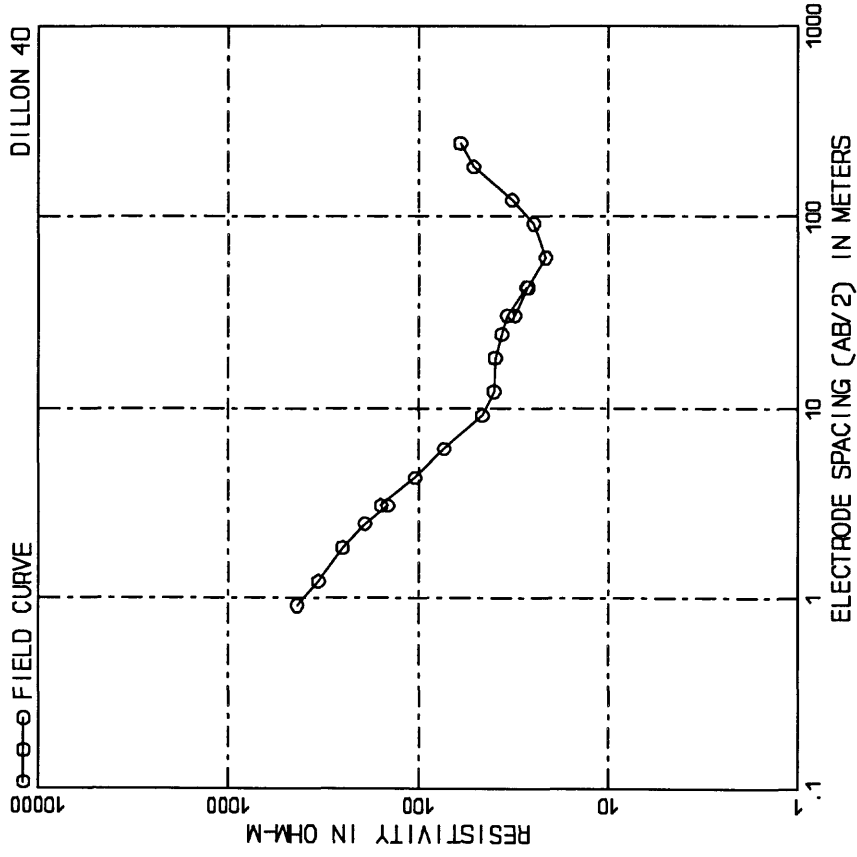


AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91	3.00	100.00	18.29	60.00	280.00
1.83	6.00	100.00	36.58	120.00	225.00
2.74	9.00	100.00	54.87	180.00	225.00
3.66	12.00	100.00	73.16	240.00	225.00
4.57	15.00	100.00	91.45	300.00	225.00
5.49	18.00	100.00	109.74	360.00	225.00
6.40	21.00	100.00	128.03	420.00	225.00
7.32	24.00	100.00	146.32	480.00	225.00
8.23	27.00	100.00	164.61	540.00	225.00
9.15	30.00	100.00	182.90	600.00	225.00
10.06	33.00	100.00	201.19	660.00	225.00
10.98	36.00	100.00	219.48	720.00	225.00
11.89	39.00	100.00	237.77	780.00	225.00
12.81	42.00	100.00	256.06	840.00	225.00
13.72	45.00	100.00	274.35	900.00	225.00
14.64	48.00	100.00	292.64	960.00	225.00
15.55	51.00	100.00	310.93	1020.00	225.00
16.47	54.00	100.00	329.22	1080.00	225.00
17.38	57.00	100.00	347.51	1140.00	225.00
18.30	60.00	100.00	365.80	1200.00	225.00
19.21	63.00	100.00	384.09	1260.00	225.00
20.13	66.00	100.00	402.38	1320.00	225.00
21.04	69.00	100.00	420.67	1380.00	225.00
21.96	72.00	100.00	438.96	1440.00	225.00
22.87	75.00	100.00	457.25	1500.00	225.00
23.79	78.00	100.00	475.54	1560.00	225.00
24.70	81.00	100.00	493.83	1620.00	225.00
25.62	84.00	100.00	512.12	1680.00	225.00
26.53	87.00	100.00	530.41	1740.00	225.00
27.45	90.00	100.00	548.70	1800.00	225.00
28.36	93.00	100.00	567.00	1860.00	225.00
29.28	96.00	100.00	585.29	1920.00	225.00
30.19	99.00	100.00	603.58	1980.00	225.00
31.11	102.00	100.00	621.87	2040.00	225.00
32.02	105.00	100.00	640.16	2100.00	225.00
32.94	108.00	100.00	658.45	2160.00	225.00
33.85	111.00	100.00	676.74	2220.00	225.00
34.77	114.00	100.00	695.03	2280.00	225.00
35.68	117.00	100.00	713.32	2340.00	225.00
36.60	120.00	100.00	731.61	2400.00	225.00
37.51	123.00	100.00	749.90	2460.00	225.00
38.43	126.00	100.00	768.19	2520.00	225.00
39.34	129.00	100.00	786.48	2580.00	225.00
40.26	132.00	100.00	804.77	2640.00	225.00
41.17	135.00	100.00	823.06	2700.00	225.00
42.09	138.00	100.00	841.35	2760.00	225.00
43.00	141.00	100.00	859.64	2820.00	225.00
43.92	144.00	100.00	877.93	2880.00	225.00
44.83	147.00	100.00	896.22	2940.00	225.00
45.75	150.00	100.00	914.51	3000.00	225.00
46.66	153.00	100.00	932.80	3060.00	225.00
47.58	156.00	100.00	951.09	3120.00	225.00
48.49	159.00	100.00	969.38	3180.00	225.00
49.41	162.00	100.00	987.67	3240.00	225.00
50.32	165.00	100.00	1005.96	3300.00	225.00
51.24	168.00	100.00	1024.25	3360.00	225.00
52.15	171.00	100.00	1042.54	3420.00	225.00
53.07	174.00	100.00	1060.83	3480.00	225.00
53.98	177.00	100.00	1079.12	3540.00	225.00
54.90	180.00	100.00	1097.41	3600.00	225.00
55.81	183.00	100.00	1115.70	3660.00	225.00
56.73	186.00	100.00	1134.00	3720.00	225.00
57.64	189.00	100.00	1152.29	3780.00	225.00
58.56	192.00	100.00	1170.58	3840.00	225.00
59.47	195.00	100.00	1188.87	3900.00	225.00
60.39	198.00	100.00	1207.16	3960.00	225.00
61.30	201.00	100.00	1225.45	4020.00	225.00
62.22	204.00	100.00	1243.74	4080.00	225.00
63.13	207.00	100.00	1262.03	4140.00	225.00
64.05	210.00	100.00	1280.32	4200.00	225.00
64.96	213.00	100.00	1298.61	4260.00	225.00
65.88	216.00	100.00	1316.90	4320.00	225.00
66.79	219.00	100.00	1335.19	4380.00	225.00
67.71	222.00	100.00	1353.48	4440.00	225.00
68.62	225.00	100.00	1371.77	4500.00	225.00
69.54	228.00	100.00	1390.06	4560.00	225.00
70.45	231.00	100.00	1408.35	4620.00	225.00
71.37	234.00	100.00	1426.64	4680.00	225.00
72.28	237.00	100.00	1444.93	4740.00	225.00
73.20	240.00	100.00	1463.22	4800.00	225.00
74.11	243.00	100.00	1481.51	4860.00	225.00
75.03	246.00	100.00	1500.00	4920.00	225.00
75.94	249.00	100.00	1518.29	4980.00	225.00
76.86	252.00	100.00	1536.58	5040.00	225.00
77.77	255.00	100.00	1554.87	5100.00	225.00
78.69	258.00	100.00	1573.16	5160.00	225.00
79.60	261.00	100.00	1591.45	5220.00	225.00
80.52	264.00	100.00	1609.74	5280.00	225.00
81.43	267.00	100.00	1628.03	5340.00	225.00
82.35	270.00	100.00	1646.32	5400.00	225.00
83.26	273.00	100.00	1664.61	5460.00	225.00
84.18	276.00	100.00	1682.90	5520.00	225.00
85.09	279.00	100.00	1701.19	5580.00	225.00
86.01	282.00	100.00	1719.48	5640.00	225.00
86.92	285.00	100.00	1737.77	5700.00	225.00
87.84	288.00	100.00	1756.06	5760.00	225.00
88.75	291.00	100.00	1774.35	5820.00	225.00
89.67	294.00	100.00	1792.64	5880.00	225.00
90.58	297.00	100.00	1810.93	5940.00	225.00
91.50	300.00	100.00	1829.22	6000.00	225.00
92.41	303.00	100.00	1847.51	6060.00	225.00
93.33	306.00	100.00	1865.80	6120.00	225.00
94.24	309.00	100.00	1884.09	6180.00	225.00
95.16	312.00	100.00	1902.38	6240.00	225.00
96.07	315.00	100.00	1920.67	6300.00	225.00
96.99	318.00	100.00	1938.96	6360.00	225.00
97.90	321.00	100.00	1957.25	6420.00	225.00
98.82	324.00	100.00	1975.54	6480.00	225.00
99.73	327.00	100.00	1993.83	6540.00	225.00
100.65	330.00	100.00	2012.12	6600.00	225.00
101.56	333.00	100.00	2030.41	6660.00	225.00
102.48	336.00	100.00	2048.70	6720.00	225.00
103.39	339.00	100.00	2067.00	6780.00	225.00
104.31	342.00	100.00	2085.29	6840.00	225.00
105.22	345.00	100.00	2103.58	6900.00	225.00
106.14	348.00	100.00	2121.87	6960.00	225.00
107.05	351.00	100.00	2140.16	7020.00	225.00
107.97	354.00	100.00	2158.45	7080.00	225.00
108.88	357.00	100.00	2176.74	7140.00	225.00
109.80	360.00	100.00	2195.03	7200.00	225.00
110.71	363.00	100.00	2213.32	7260.00	225.00
111.63	366.00	100.00	2231.61	7320.00	225.00
112.54	369.00	100.00	2249.90	7380.00	225.00
113.46	372.00	100.00	2268.19	7440.00	225.00
114.37	375.00	100.00	2286.48	7500.00	225.00
115.29	378.00	100.00	2304.77	7560.00	225.00
116.20	381.00	100.00	2323.06	7620.00	225.00
117.12	384.00	100.00	2341.35	7680.00	225.00
118.03	387.00	100.00	2359.64	7740.00	225.00
118.95	390.00	100.00	2377.93	7800.00	225.00
119.86	393.00	100.00	2396.22	7860.00	225.00
120.78	396.00	100.00	2414.51	7920.00	225.00
121.69	399.00	100.00	2432.80	7980.00	225.00
122.61	402.00	100.00	2451.09	8040.00	225.00
123.52	405.00	100.00	2469.38	8100.00	225.00
124.44	408.00	100.00	2487.67	8160.00	225.00
125.35	411.00	100.00	2505.96	8220.00	225.00
126.27	414.00	100.00	2524.25	8280.00	225.00
127.18	417.00	100.00	2542.54	8340.00	225.00
128.10	420.00	100.00	2560.83	8400.00	225.00
129.01	423.00	100.00	2579.12	8460.00	225.00
129.93	426.00	100.00	2597.41	8520.00	225.00
130.84	429.00	100.00	2615.70	8580.00	225.00
131.76	432.00	100.00	2634.00	8640.00	225.00
132.67	435.00	100.00	2652.29	8700.00	225.00
133.59	438.00	100.00	2670.58	8760.00	225.00
134.50	441.00	100.00	2688.87	8820.00	225.00
135.42	444.00	100.00	2707.16	8880.00	225.00
136.33	447.00	100.00	2725.45	8940.00	225.00
137.25	450.00	100.00	2743.74	9000.00	225.00
138.16	453.00	100.00	2762.03	9060.00	225.00
139.08	456.00	100.00	2780.32	9120.00	225.00
140.00	459.00	100.00	2798.61	9180.00	225.00
140.91	462.00	100.00	2816.90	9240.00	225.00
141.83	465.00	100.00	2835.19	9300.00	225.00
142.74	468.00	100.00	2853.48	9360.00	225.00
143.66	471.00	100.00	2871.77	9420.00	225.00
144.57	474.00	100.00	2890.06	9480.00	225.00
145.49	477.00	100.00	2908.35	9540.00	225.00
146.40	480.00	100.00	2926.64	9600.00	225.00
147.32	483.00	100.00	2944.93	9660.00	225.00
148.23	486.00	100.00	2963.22	9720.00	225.00
149.15	489.00	100.00	2981.51	9780.00	225.00
150.06	492.00	100.00	3000.00	9840.00	225.00
150.98	495.00	100.00	3018.29	9900.00	225.00
151.89	498.00	100.00	3036.58	9960.00	225.00
152.81	501.00	100.00	305		

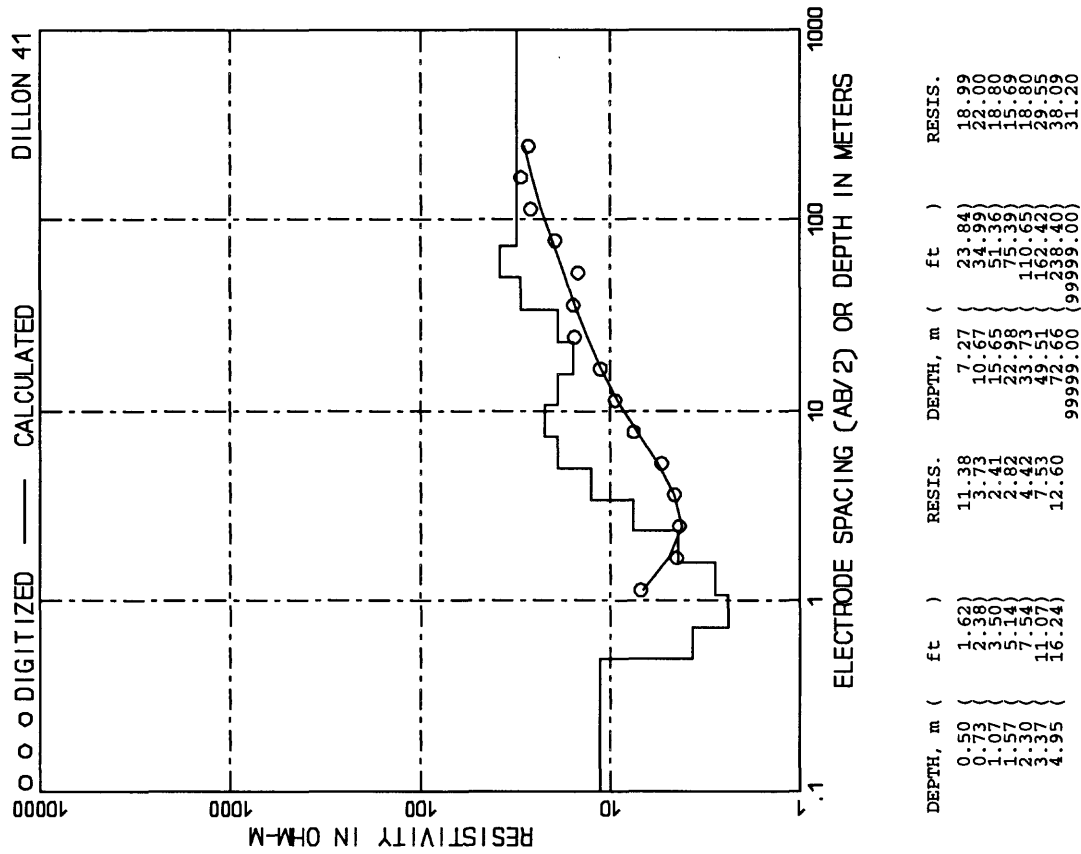
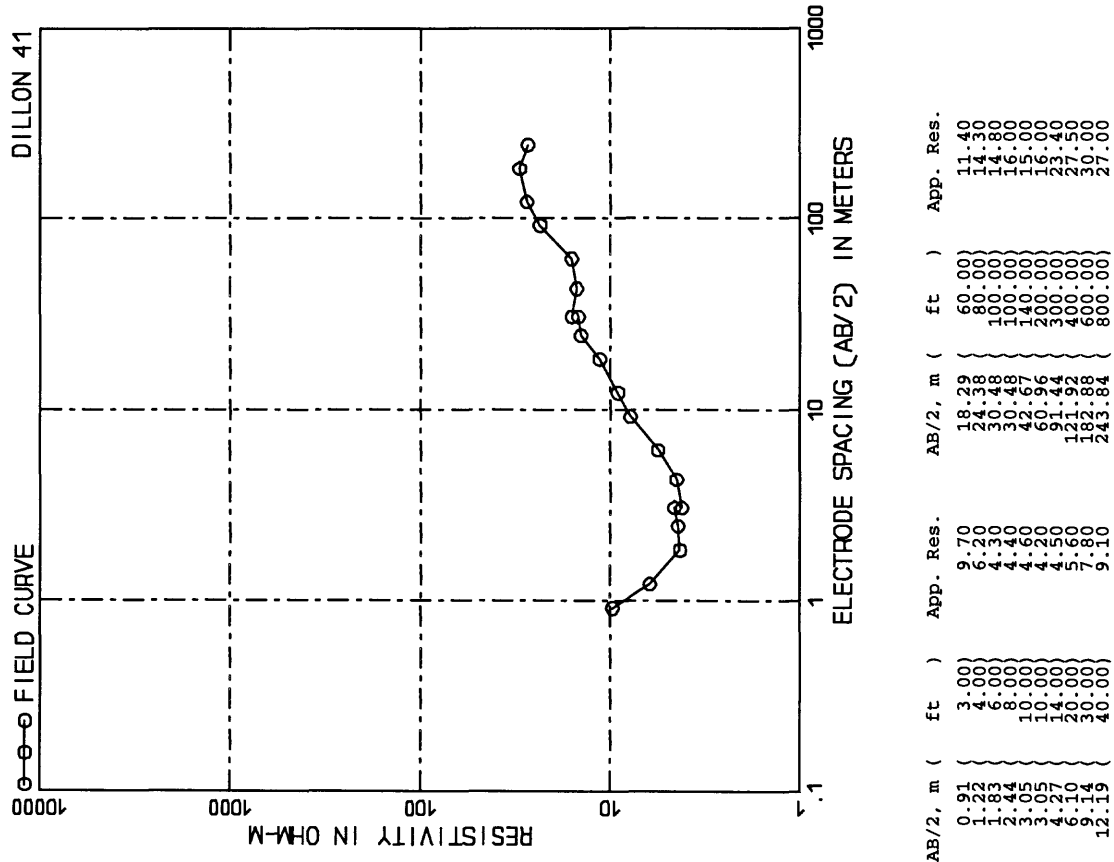


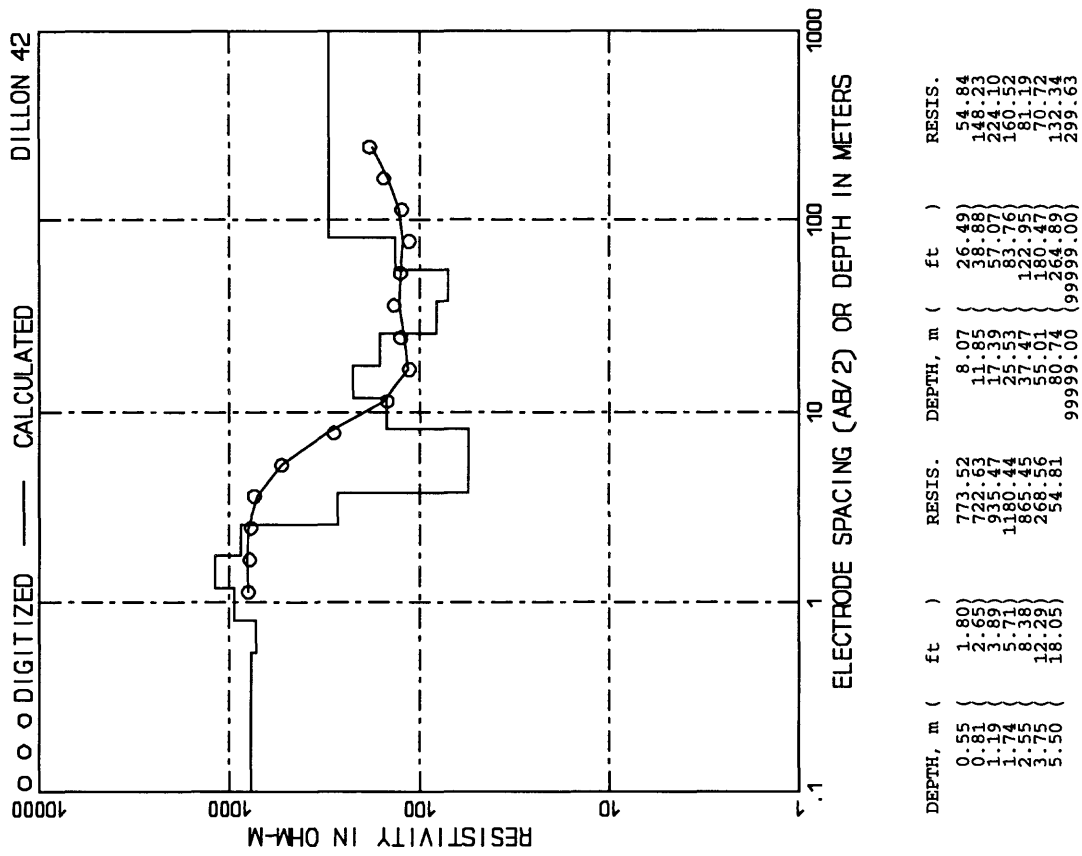
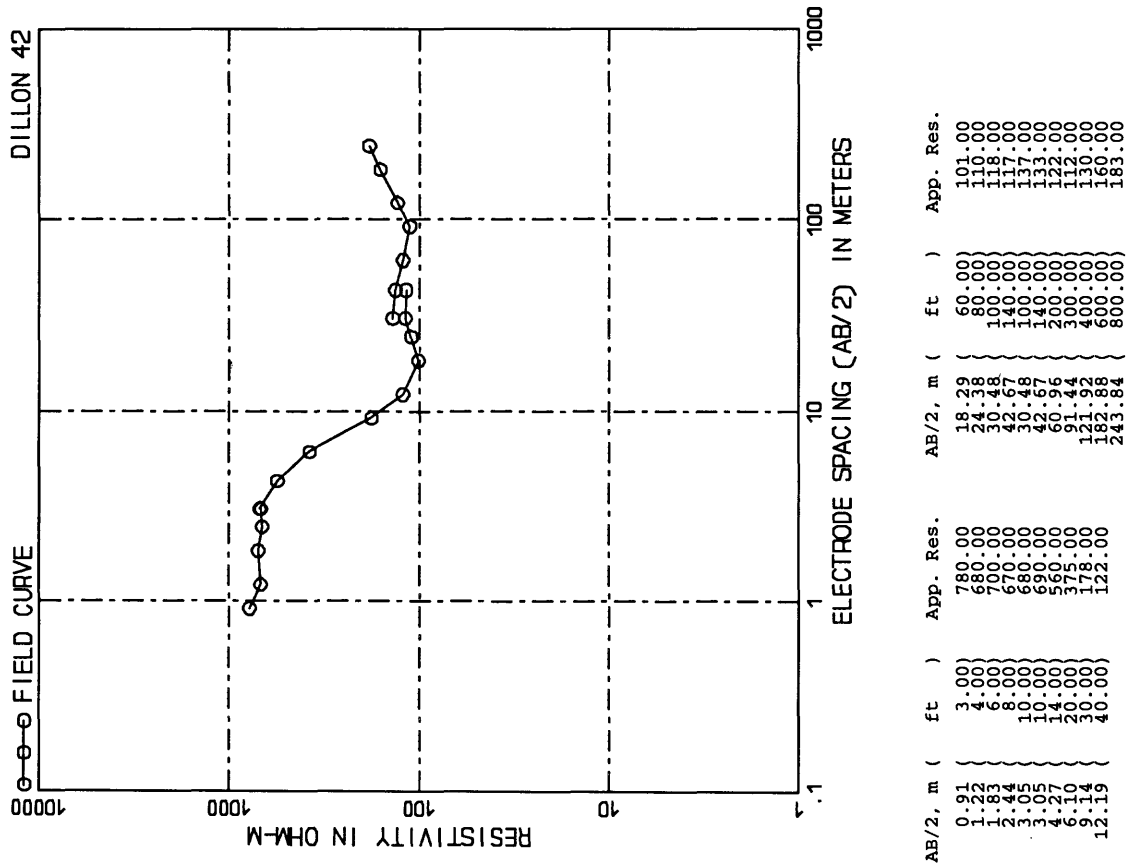


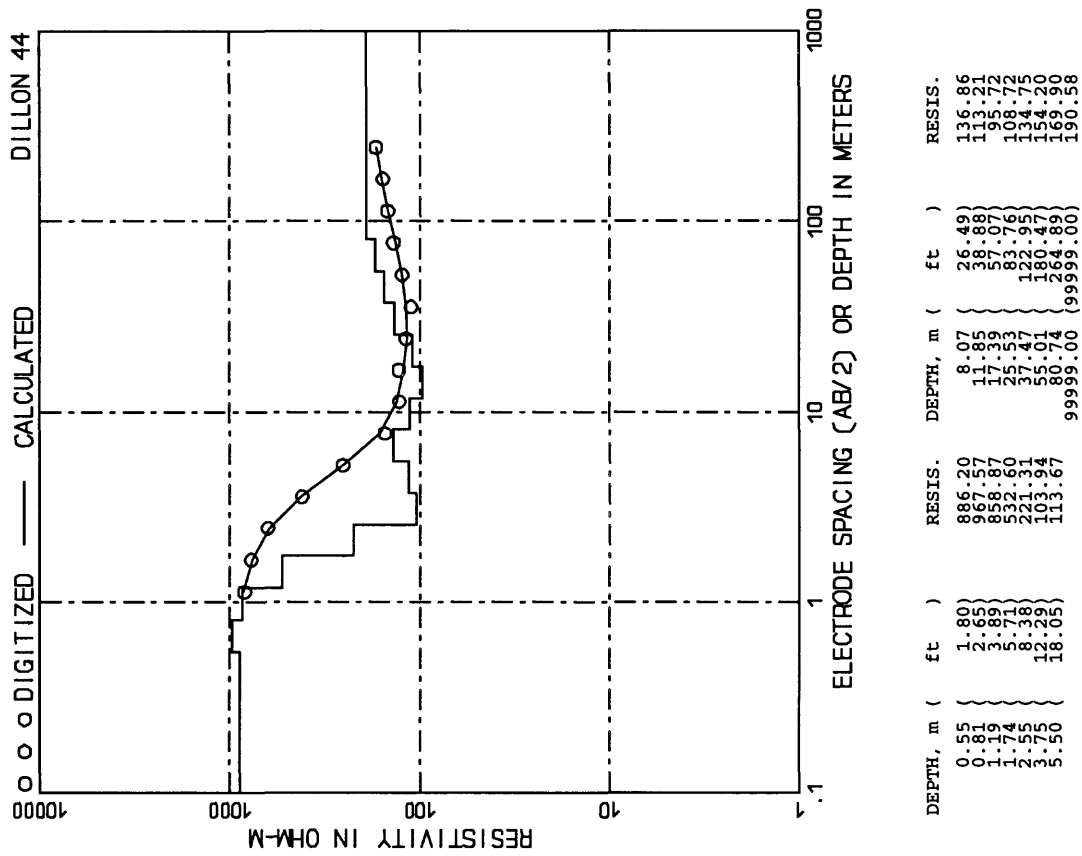
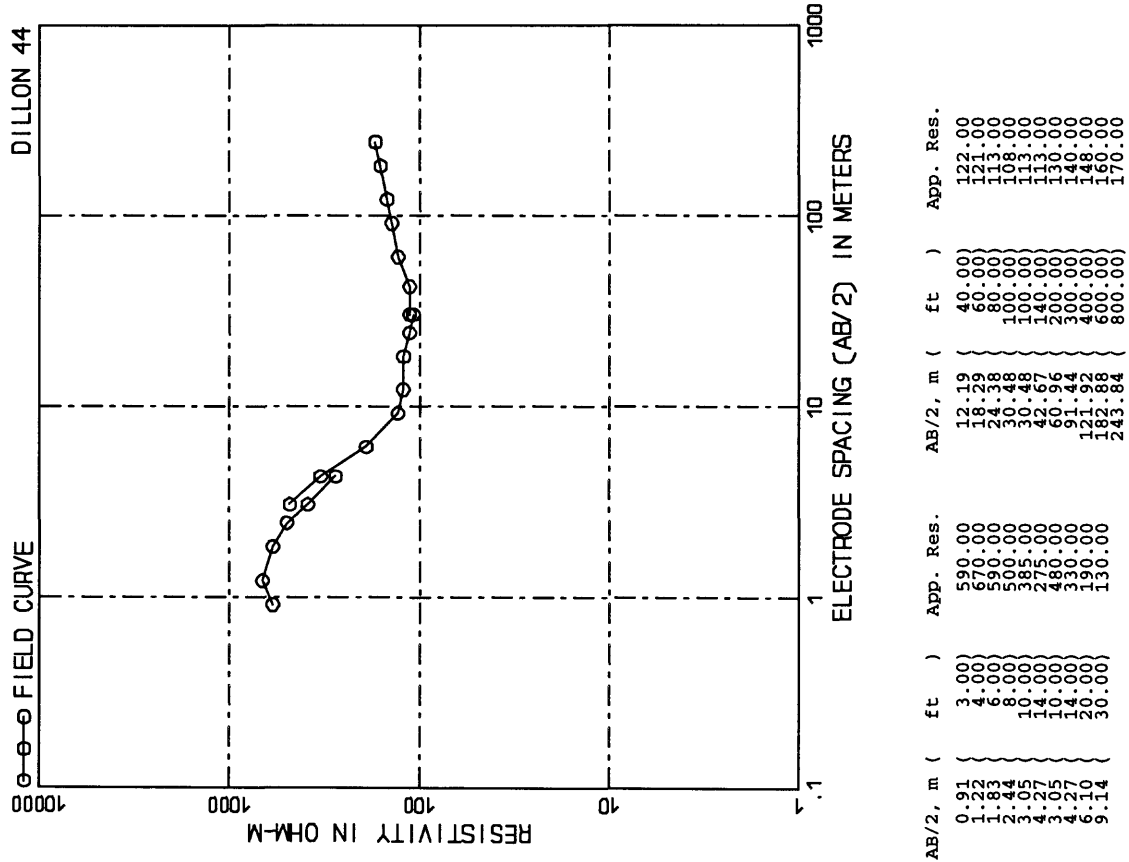


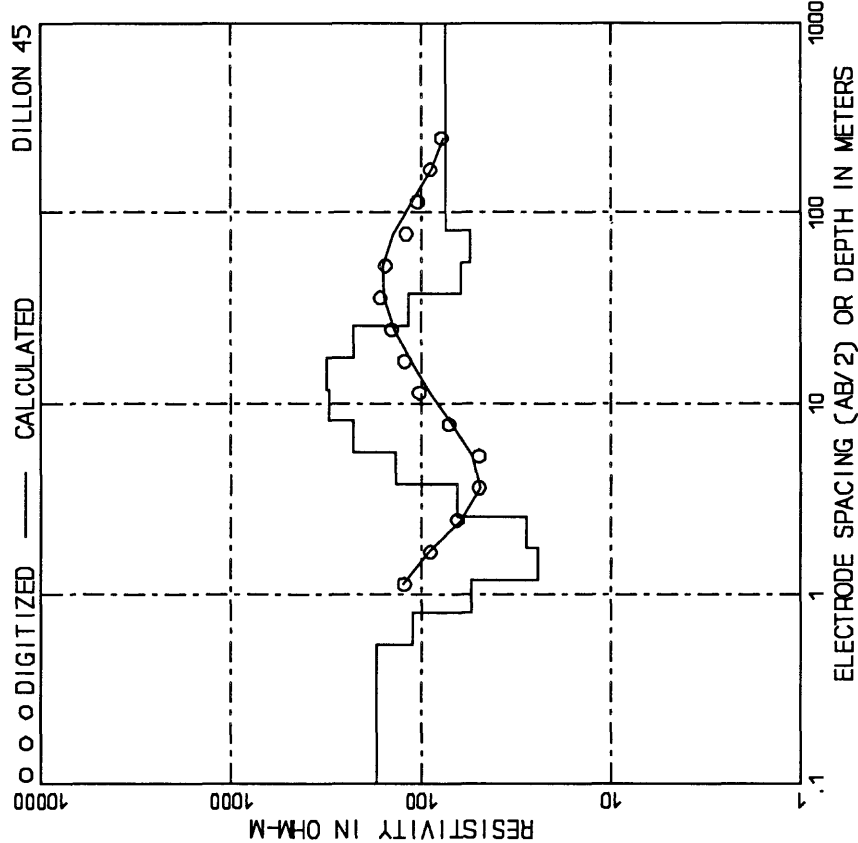


AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91	3.00	435.00	18.29	60.00	39.50
1.23	4.00	235.00	24.38	80.00	36.50
1.63	6.00	135.00	30.46	100.00	34.00
2.02	10.00	115.00	36.54	120.00	31.00
2.42	18.00	105.00	42.62	140.00	29.00
2.81	30.00	105.00	48.70	160.00	26.50
3.21	40.00	105.00	54.78	180.00	24.00
3.60	60.00	105.00	60.86	200.00	21.00
4.00	80.00	105.00	66.94	220.00	19.00
4.39	100.00	105.00	73.02	240.00	17.00
4.79	120.00	105.00	79.10	260.00	15.00
5.18	140.00	105.00	85.18	280.00	13.00
5.58	160.00	105.00	91.26	300.00	11.00
5.97	180.00	105.00	97.34	320.00	10.00
6.37	200.00	105.00	103.42	340.00	9.00
6.76	220.00	105.00	109.50	360.00	8.00
7.16	240.00	105.00	115.58	380.00	7.00
7.55	260.00	105.00	121.66	400.00	6.00
7.95	280.00	105.00	127.74	420.00	5.00
8.34	300.00	105.00	133.82	440.00	4.00
8.74	320.00	105.00	139.90	460.00	3.00
9.13	340.00	105.00	145.98	480.00	2.00
9.53	360.00	105.00	152.06	500.00	1.00
9.92	380.00	105.00	158.14	520.00	0.50
10.32	400.00	105.00	164.22	540.00	0.25
10.71	420.00	105.00	170.30	560.00	0.125
11.11	440.00	105.00	176.38	580.00	0.0625
11.50	460.00	105.00	182.46	600.00	0.03125
11.90	480.00	105.00	188.54	620.00	0.015625
12.29	500.00	105.00	194.62	640.00	0.0078125
12.69	520.00	105.00	200.70	660.00	0.00390625
13.08	540.00	105.00	206.78	680.00	0.001953125
13.48	560.00	105.00	212.86	700.00	0.0009765625
13.87	580.00	105.00	218.94	720.00	0.00048828125
14.27	600.00	105.00	225.02	740.00	0.000244140625
14.66	620.00	105.00	231.10	760.00	0.0001220703125
15.06	640.00	105.00	237.18	780.00	6.1e-05
15.45	660.00	105.00	243.26	800.00	3.05e-05
15.85	680.00	105.00	249.34		
16.24	700.00	105.00	255.42		
16.64	720.00	105.00	261.50		
17.03	740.00	105.00	267.58		
17.43	760.00	105.00	273.66		
17.82	780.00	105.00	279.74		
18.22	800.00	105.00	285.82		
18.61		105.00	291.90		
19.01		105.00	297.98		
19.40		105.00	304.06		
19.80		105.00	310.14		
20.19		105.00	316.22		
20.59		105.00	322.30		
20.98		105.00	328.38		
21.38		105.00	334.46		
21.77		105.00	340.54		
22.17		105.00	346.62		
22.56		105.00	352.70		
22.96		105.00	358.78		
23.35		105.00	364.86		
23.75		105.00	370.94		
24.14		105.00	377.02		
24.54		105.00	383.10		
24.93		105.00	389.18		
25.33		105.00	395.26		
25.72		105.00	401.34		
26.12		105.00	407.42		
26.51		105.00	413.50		
26.91		105.00	419.58		
27.30		105.00	425.66		
27.70		105.00	431.74		
28.09		105.00	437.82		
28.49		105.00	443.90		
28.88		105.00	449.98		
29.28		105.00	456.06		
29.67		105.00	462.14		
30.07		105.00	468.22		
30.46		105.00	474.30		
30.86		105.00	480.38		
31.25		105.00	486.46		
31.65		105.00	492.54		
32.04		105.00	498.62		
32.44		105.00	504.70		
32.83		105.00	510.78		
33.23		105.00	516.86		
33.62		105.00	522.94		
34.02		105.00	529.02		
34.41		105.00	535.10		
34.81		105.00	541.18		
35.20		105.00	547.26		
35.60		105.00	553.34		
35.99		105.00	559.42		
36.39		105.00	565.50		
36.78		105.00	571.58		
37.18		105.00	577.66		
37.57		105.00	583.74		
37.97		105.00	589.82		
38.36		105.00	595.90		
38.76		105.00	601.98		
39.15		105.00	608.06		
39.55		105.00	614.14		
39.94		105.00	620.22		
40.34		105.00	626.30		
40.73		105.00	632.38		
41.13		105.00	638.46		
41.52		105.00	644.54		
41.92		105.00	650.62		
42.31		105.00	656.70		
42.71		105.00	662.78		
43.10		105.00	668.86		
43.50		105.00	674.94		
43.89		105.00	681.02		
44.29		105.00	687.10		
44.68		105.00	693.18		
45.08		105.00	699.26		
45.47		105.00	705.34		
45.87		105.00	711.42		
46.26		105.00	717.50		
46.66		105.00	723.58		
47.05		105.00	729.66		
47.45		105.00	735.74		
47.84		105.00	741.82		
48.24		105.00	747.90		
48.63		105.00	753.98		
49.03		105.00	760.06		
49.42		105.00	766.14		
49.82		105.00	772.22		
50.21		105.00	778.30		
50.61		105.00	784.38		
51.00		105.00	790.46		
51.40		105.00	796.54		
51.79		105.00	802.62		
52.19		105.00	808.70		
52.58		105.00	814.78		
52.98		105.00	820.86		
53.37		105.00	826.94		
53.77		105.00	833.02		
54.16		105.00	839.10		
54.56		105.00	845.18		
54.95		105.00	851.26		
55.35		105.00	857.34		
55.74		105.00	863.42		
56.14		105.00	869.50		
56.53		105.00	875.58		
56.93		105.00	881.66		
57.32		105.00	887.74		
57.72		105.00	893.82		
58.11		105.00	899.90		
58.51		105.00	905.98		
58.90		105.00	912.06		
59.30		105.00	918.14		
59.69		105.00	924.22		
60.09		105.00	930.30		
60.48		105.00	936.38		
60.88		105.00	942.46		
61.27		105.00	948.54		
61.67		105.00	954.62		
62.06		105.00	960.70		
62.46		105.00	966.78		
62.85		105.00	972.86		
63.25		105.00	978.94		
63.64		105.00	985.02		
64.04		105.00	991.10		
64.43		105.00	997.18		
64.83		105.00	1003.26		
65.22		105.00	1009.34		
65.62		105.00	1015.42		
66.01		105.00	1021.50		
66.41		105.00	1027.58		
66.80		105.00	1033.66		
67.20		105.00	1039.74		
67.59		105.00	1045.82		
67.99		105.00	1051.90		
68.38		105.00	1057.98		
68.78		105.00	1064.06		
69.17		105.00	1070.14		
69.57		105.00	1076.22		
69.96		105.00	1082.30		
70.36		105.00	1088.38		
70.75		105.00	1094.46		
71.15		105.00	1100.54		
71.54		105.00	1106.62		
71.94		105.00	1112.70		
72.33		105.00	1118.78		
72.73		105.00	1124.86		
73.12		105.00	1130.94		
73.52		105.00	1137.02		
73.91		105.00	1143.10		
74.31		105.00	1149.18		
74.70		105.00	1155.26		
75.10		105.00	1161.34		
75.49		105.00	1167.42		
75.89		105.00	1173.50		
76.28		105.00	1179.58		
76.68		105.00	1185.66		
77.07		105.00	1191.74		
77.47		105.00	1197.82		
77.86		105.00	1203.90		
78.26		105.00	1209.98		
78.65		105.00	1216.06		
79.05		105.00	1222.14		
79.44		105.00	1228.22		
79.84		105.00	1234.30		
80.23		105.00	1240.38		
80.63		105.00	1246.46		
81.02		105.00	1252.54		
81.42		105.00	1258.62		
81.81		105.00	1264.70		
82.21		105.00	1270.78		
82.60		105.00	1276.86		
83.00		105.00	1282.94		
83.39		105.00	1289.02		
83.79		105.00	1295.10		
84.18		105.00	1301.18		
84.58		105.00	1307.26		
84.97		105.00	1313.34		
85.37		105.00	1319.42		
85.76		105.00	1325.50		
86.16		105.00	1331.58		
86.55		105.00	1337.66		
86.95		105.00	1343.74		
87.34		105.00	1349.82		
87.74		105.00	1355.90		
88.13		105.00	1361.98		
88.53		105.00	1368.06		
88.92		105.00	1374.14		
89.32		105.00	1380		

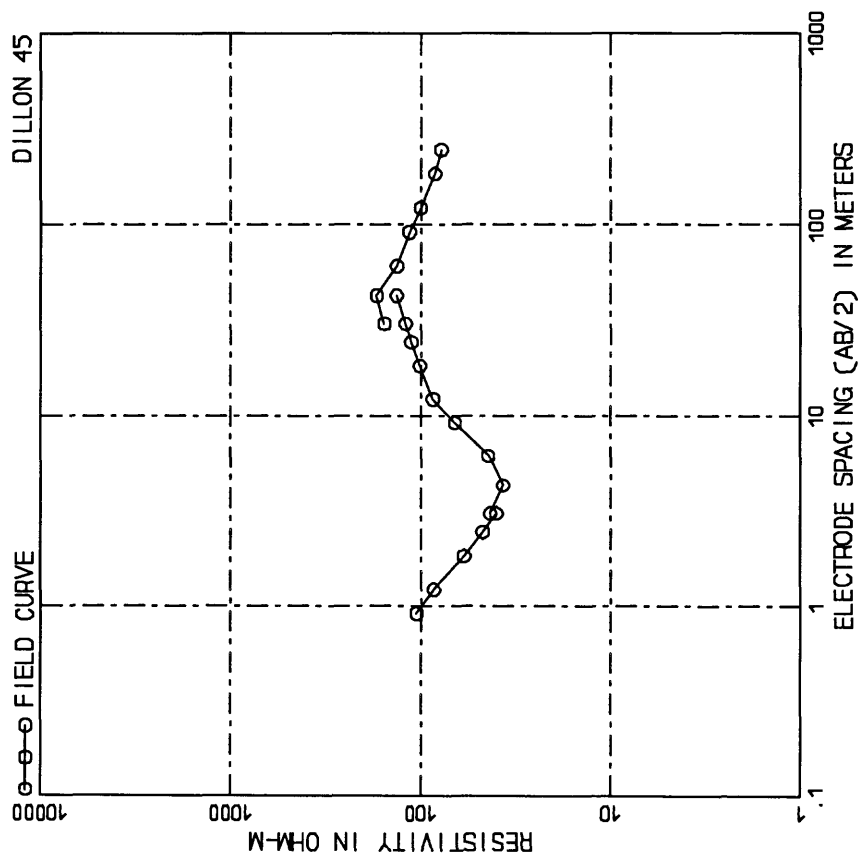




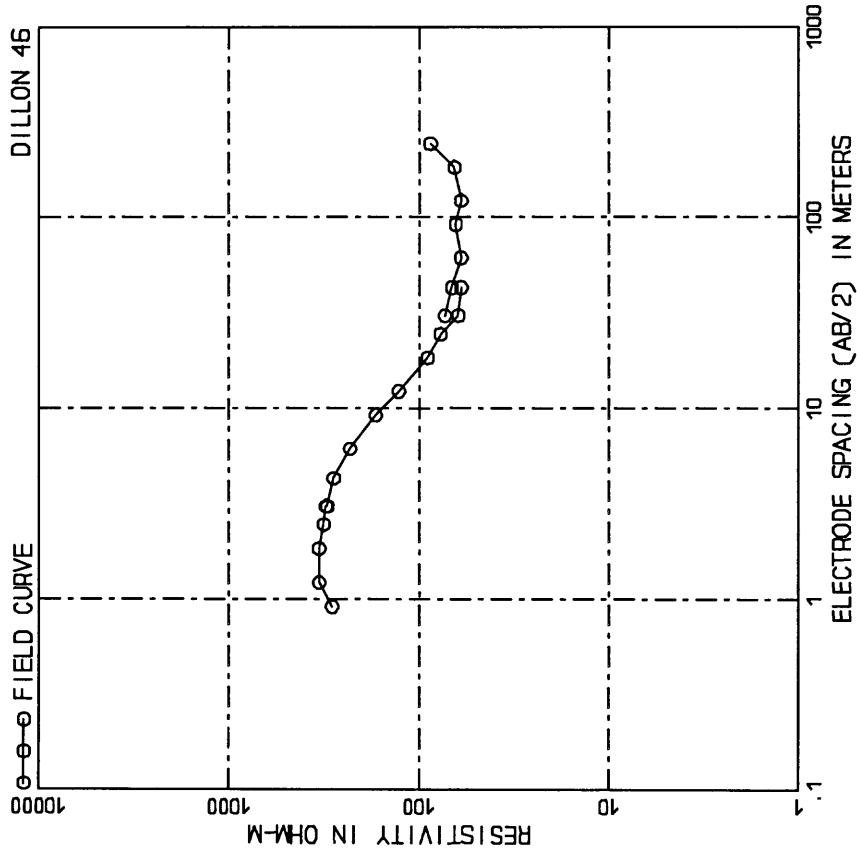




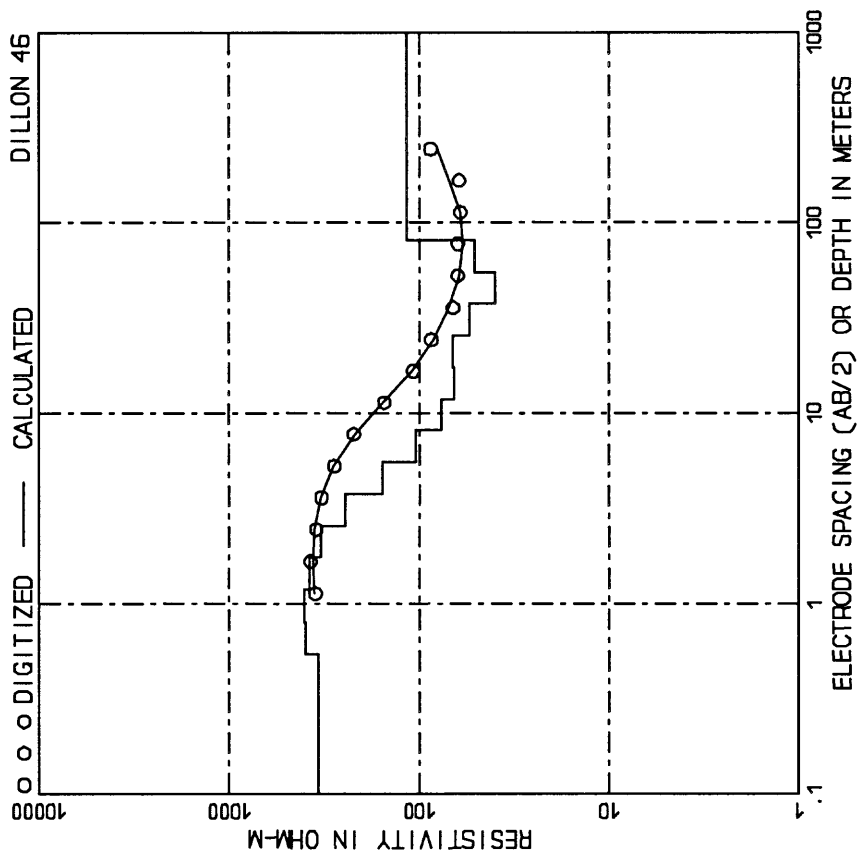
DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.55	{	169.88	8.07	{	26.49
0.81	{	110.11	11.85	{	38.88
1.19	{	54.25	17.39	{	57.07
1.74	{	24.07	25.53	{	83.76
2.35	{	21.83	37.47	{	122.95
3.15	{	14.78	55.01	{	180.47
5.15	{	135.65	80.74	{	264.89
			99999.00	{	99999.00



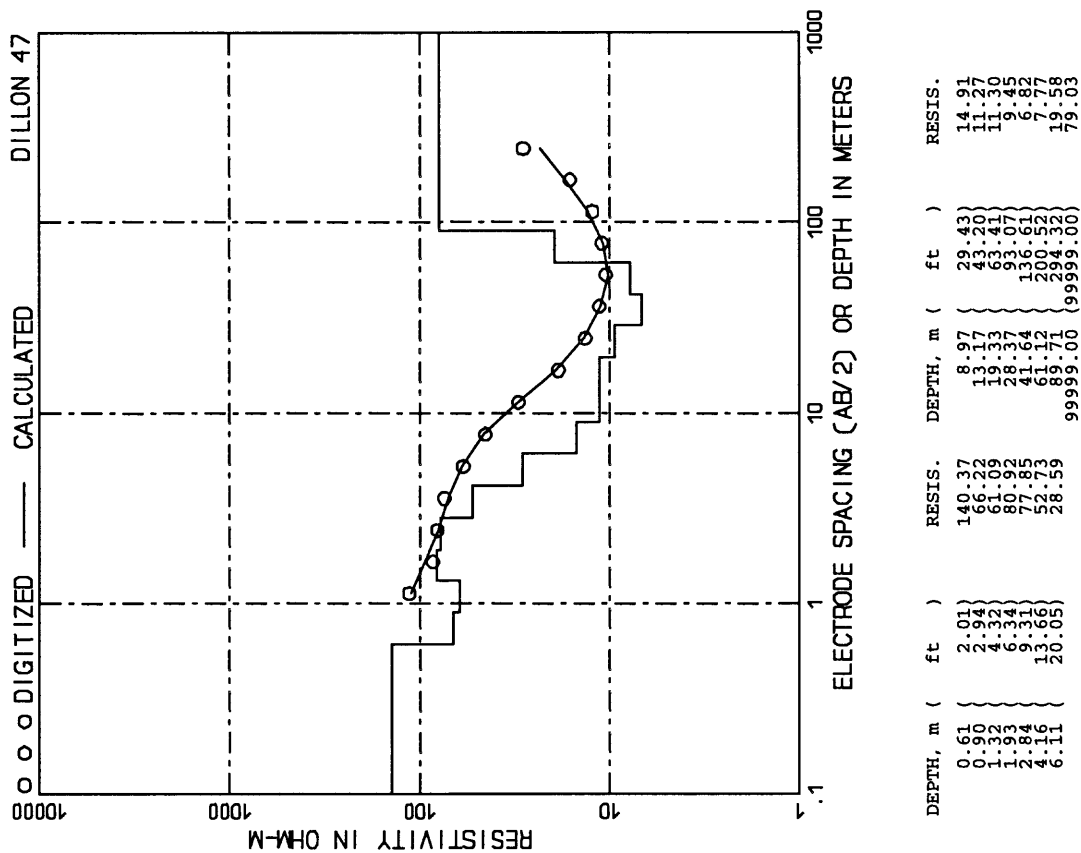
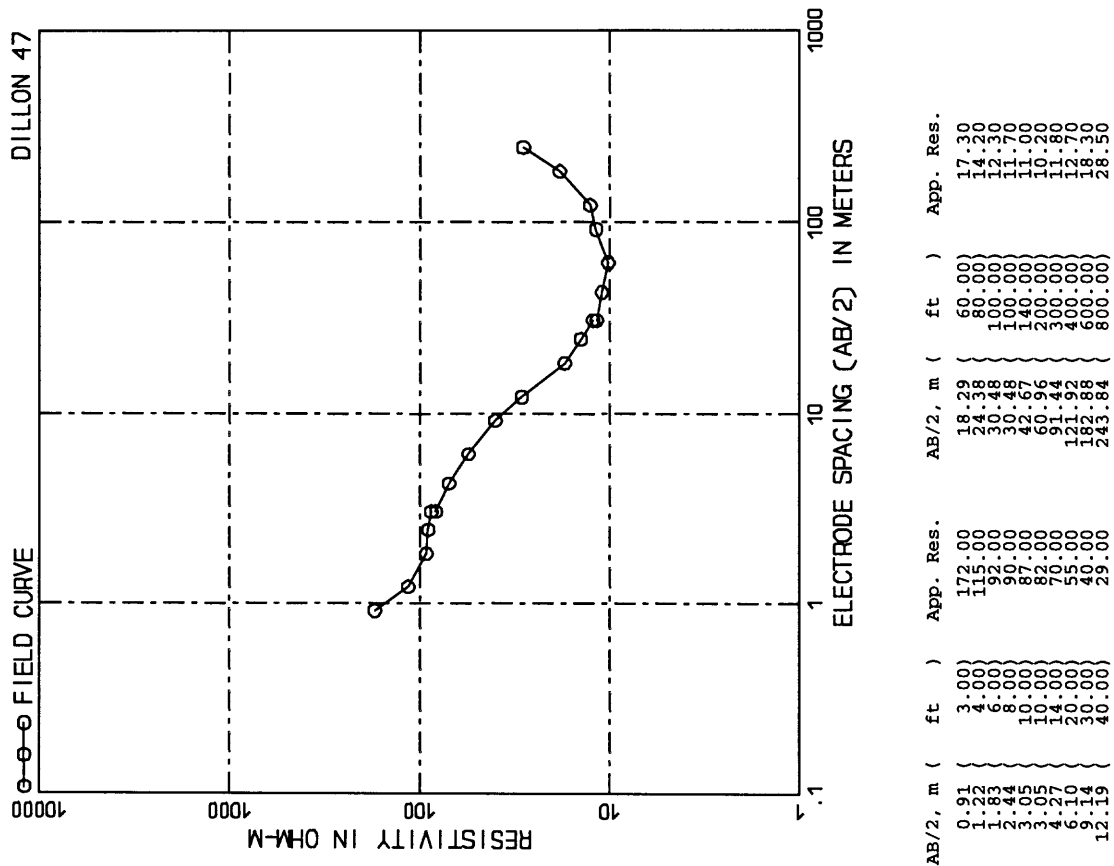
AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.51	{	105.00	18.29	{	60.00
1.23	{	85.00	24.38	{	80.00
2.28	{	59.00	30.48	{	100.00
3.43	{	47.00	42.67	{	140.00
3.05	{	40.00	30.48	{	100.00
4.37	{	43.00	42.67	{	140.00
6.10	{	37.00	60.36	{	200.00
12.19	{	44.00	91.44	{	300.00
		86.00	121.92	{	400.00
			243.84	{	800.00

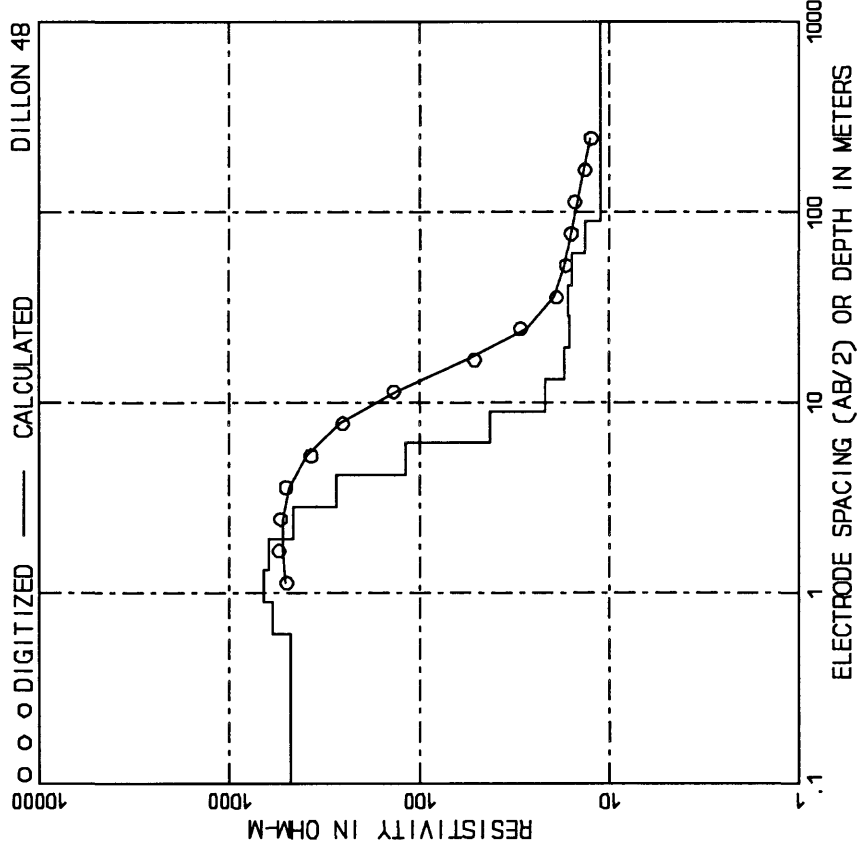


AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91	3.00	285.00	18.29	60.00	90.00
1.23	4.00	333.00	24.38	80.00	77.00
1.23	6.00	333.00	30.48	100.00	62.00
1.23	10.00	316.00	42.67	140.00	50.00
3.00	10.00	307.00	30.48	100.00	73.00
3.00	14.00	282.00	42.67	140.00	67.00
5.10	14.00	282.00	60.14	200.00	60.00
9.14	20.00	159.00	121.94	400.00	64.00
12.19	40.00	128.00	182.84	600.00	60.00
			243.84	800.00	87.00

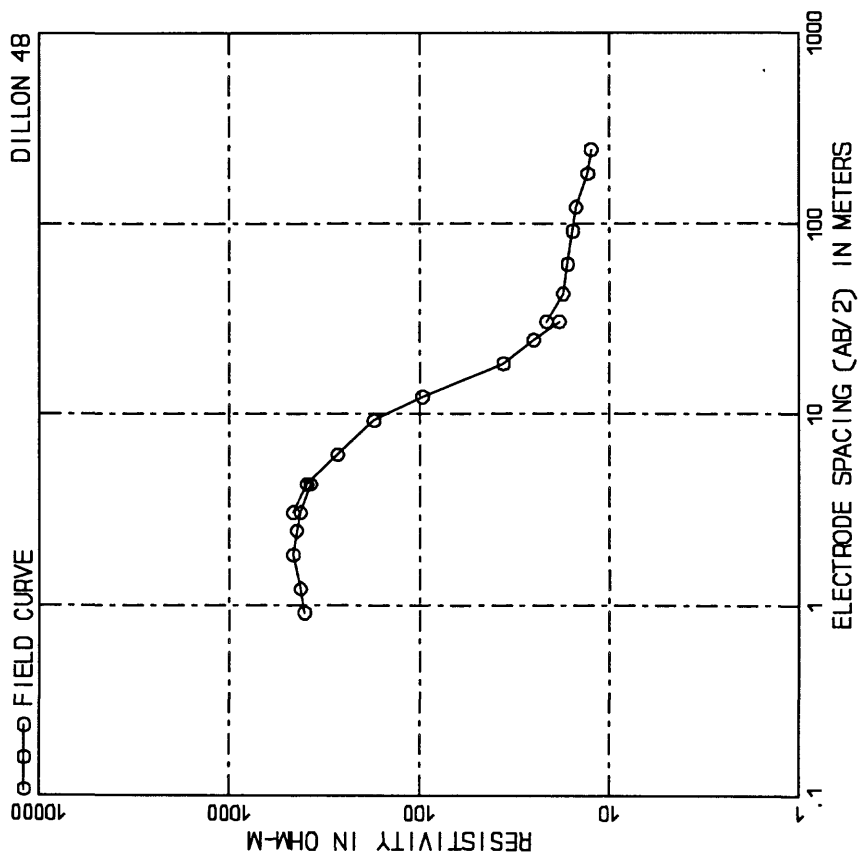


DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.55	1.80	338.23	8.07	26.49	103.49
0.81	2.65	393.21	11.85	38.88	77.00
1.19	3.89	402.21	17.39	57.07	65.69
1.74	5.71	375.64	25.53	83.76	65.39
2.55	8.38	330.40	37.47	122.35	54.03
3.50	11.45	244.39	55.91	180.49	53.92
		155.19	86.74	280.69	31.36
			999.99	999.99	116.33

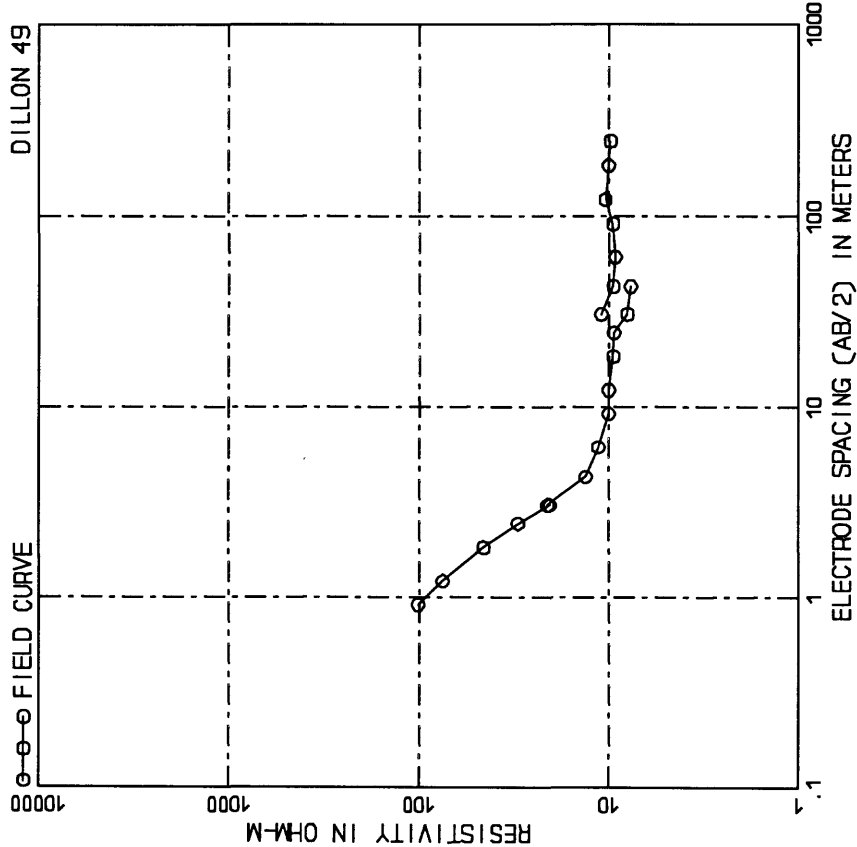




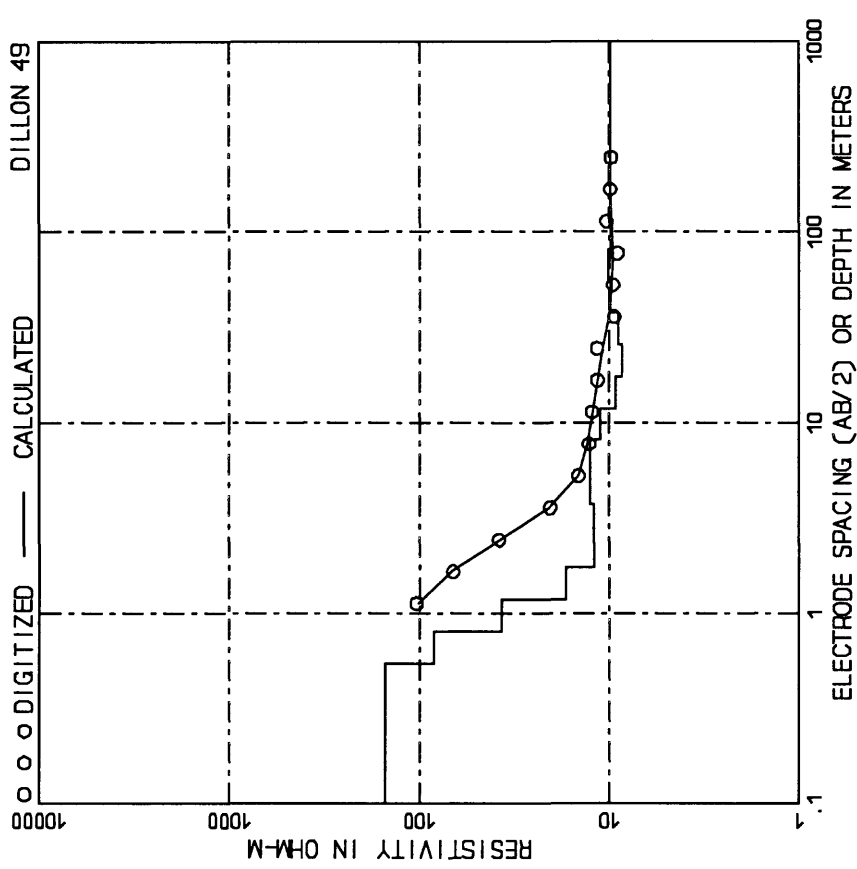
DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.61	2.01	474.81	8.97	29.43	42.40
0.90	2.95	586.99	13.17	43.20	21.65
1.32	4.33	661.60	19.33	63.41	17.33
1.93	6.34	624.04	28.37	93.07	16.13
2.84	9.32	494.32	41.64	136.61	16.41
4.16	13.65	270.46	61.72	200.32	13.59
6.11	20.03	118.64	9999.00	9999.00	11.23



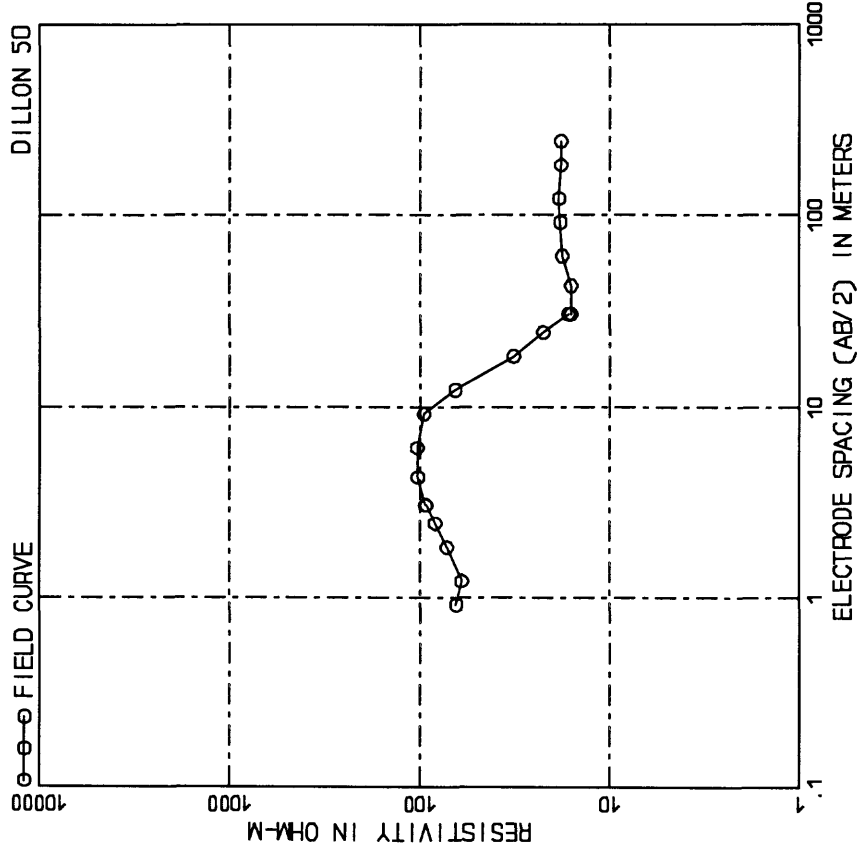
AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91	3.00	400.00	12.19	40.00	96.00
1.32	4.00	420.00	18.29	60.00	36.00
1.93	6.00	460.00	24.38	80.00	25.00
2.84	9.00	470.00	30.48	100.00	18.00
4.16	14.00	470.00	42.65	140.00	16.50
6.11	20.00	490.00	61.72	200.00	16.20
9.14	30.00	500.00	91.82	300.00	15.00
		1773.00	123.88	400.00	13.00
			183.84	600.00	12.50
			243.84	800.00	



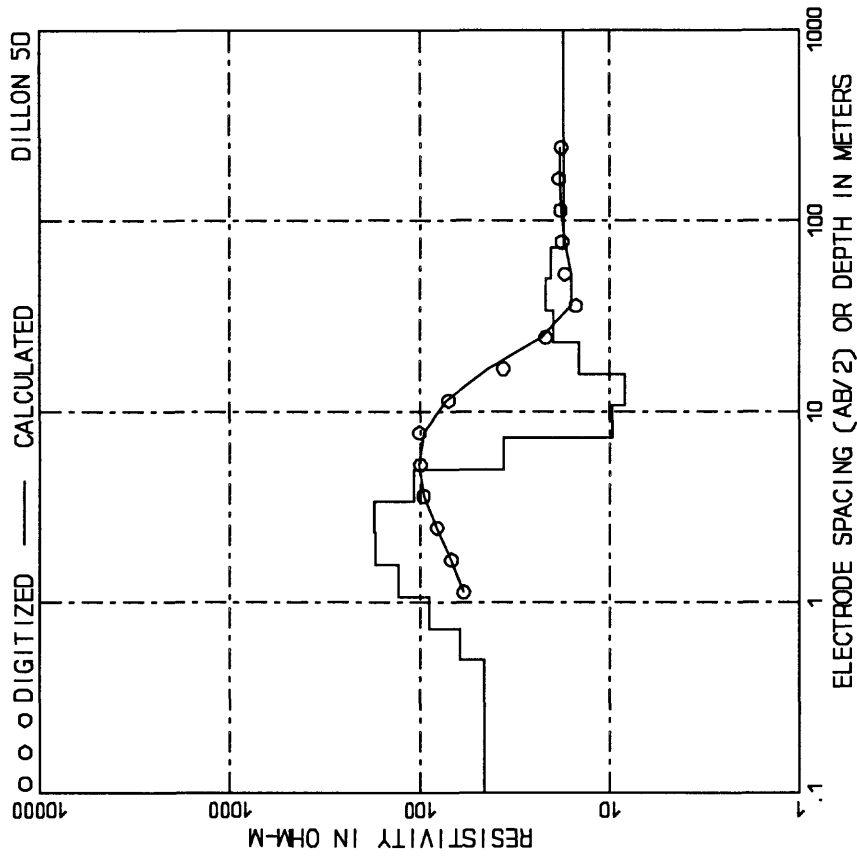
AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91	3.00	101.00	18.29	60.00	9.50
1.23	4.00	75.00	24.38	80.00	9.40
1.83	6.00	45.00	30.48	100.00	9.00
2.44	8.00	30.00	42.67	140.00	7.70
3.05	10.00	20.00	60.96	200.00	11.00
3.66	12.00	15.00	89.14	300.00	9.30
4.27	14.00	11.00	127.32	400.00	8.50
4.88	16.00	10.00	182.84	600.00	10.00
5.49	18.00	10.00	243.84	800.00	9.80



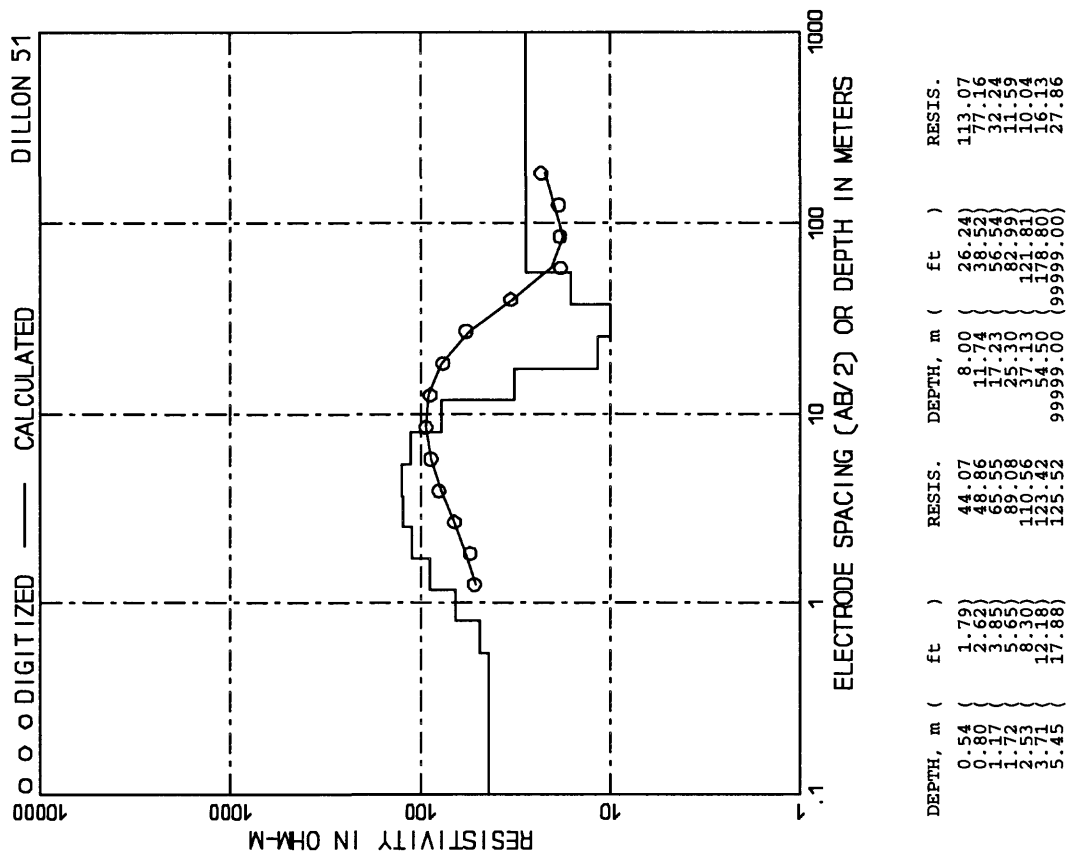
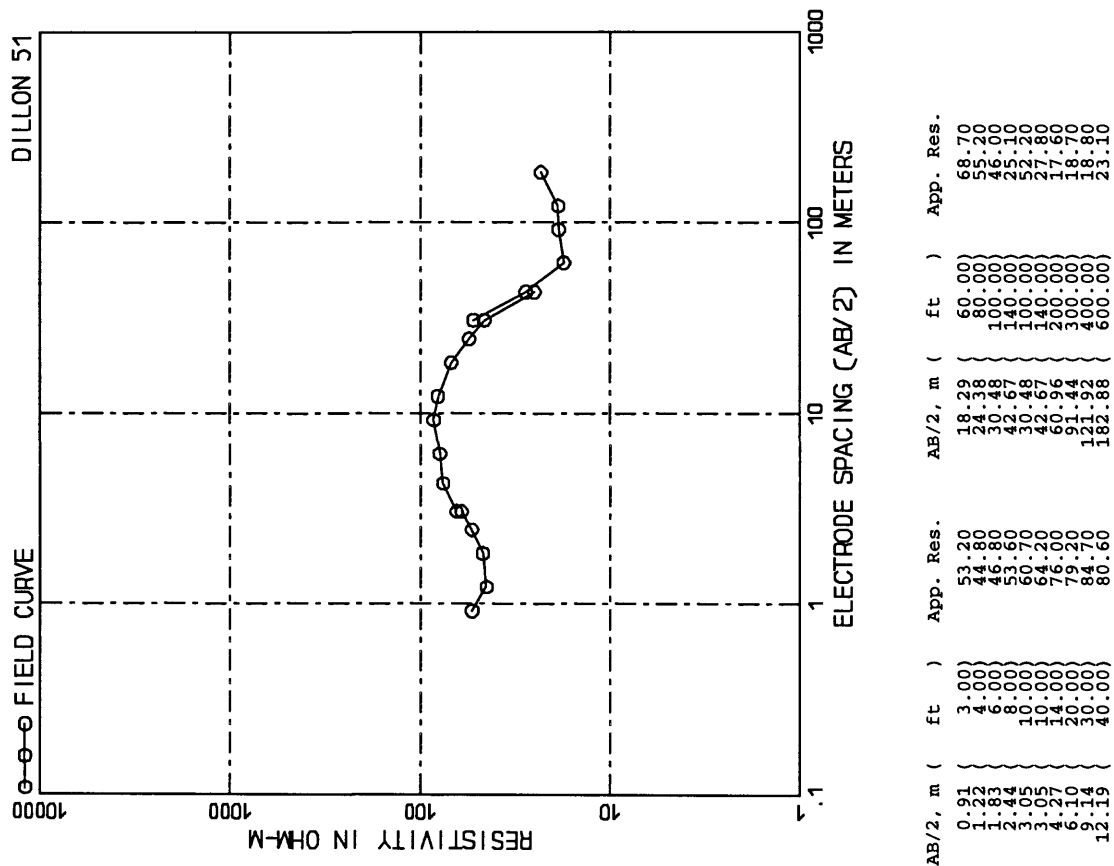
DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.55	1.80	152.12	8.07	26.49	12.69
0.81	2.65	82.74	11.85	38.88	11.23
1.19	3.99	36.72	17.39	57.07	9.32
1.74	5.71	16.85	25.53	83.76	8.52
2.44	8.00	12.08	37.47	122.95	8.01
3.35	11.00	12.01	55.91	180.49	8.89
5.50	18.05	12.68	89.74	284.89	10.19
			99999.00	99999.00	9.90

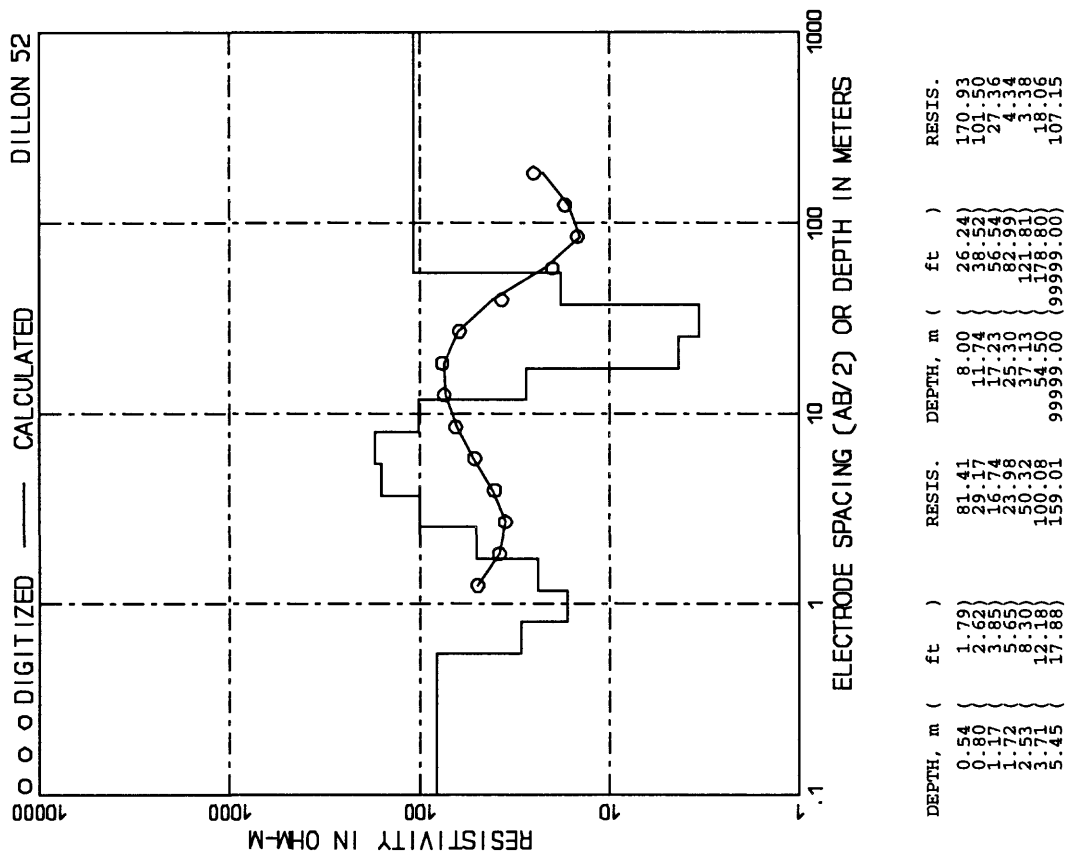
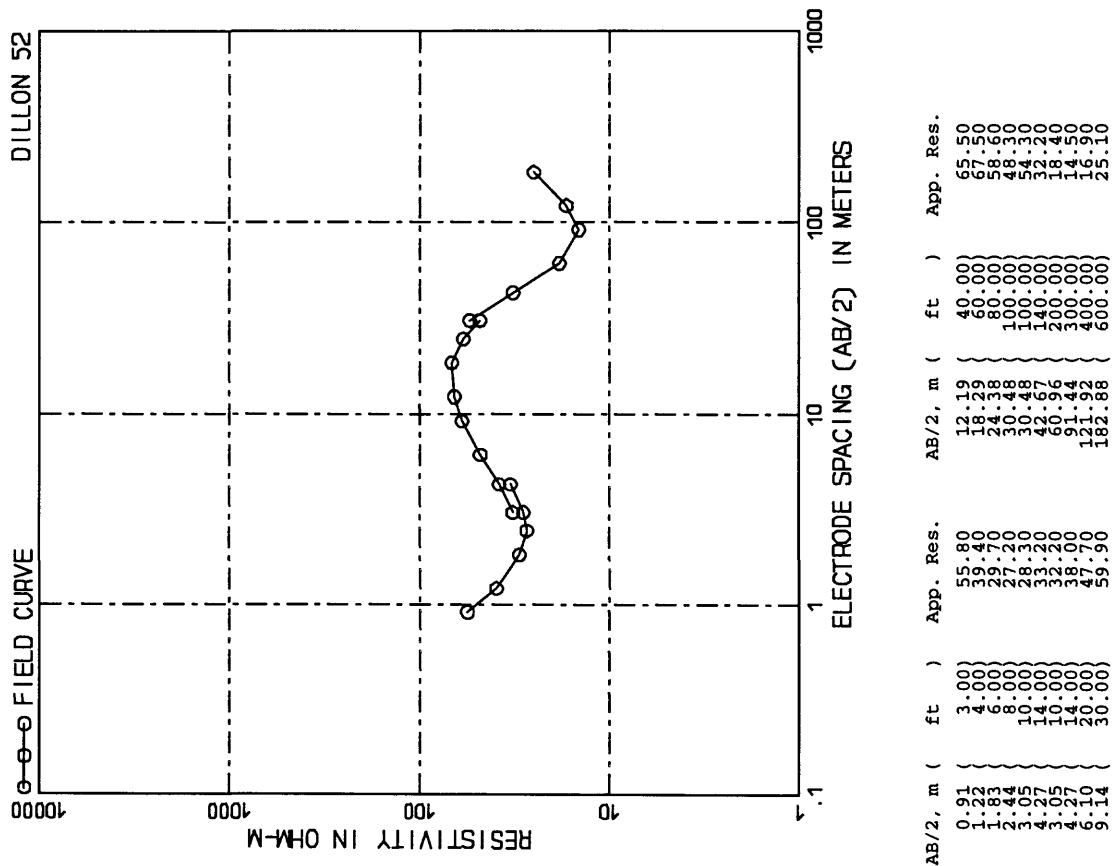


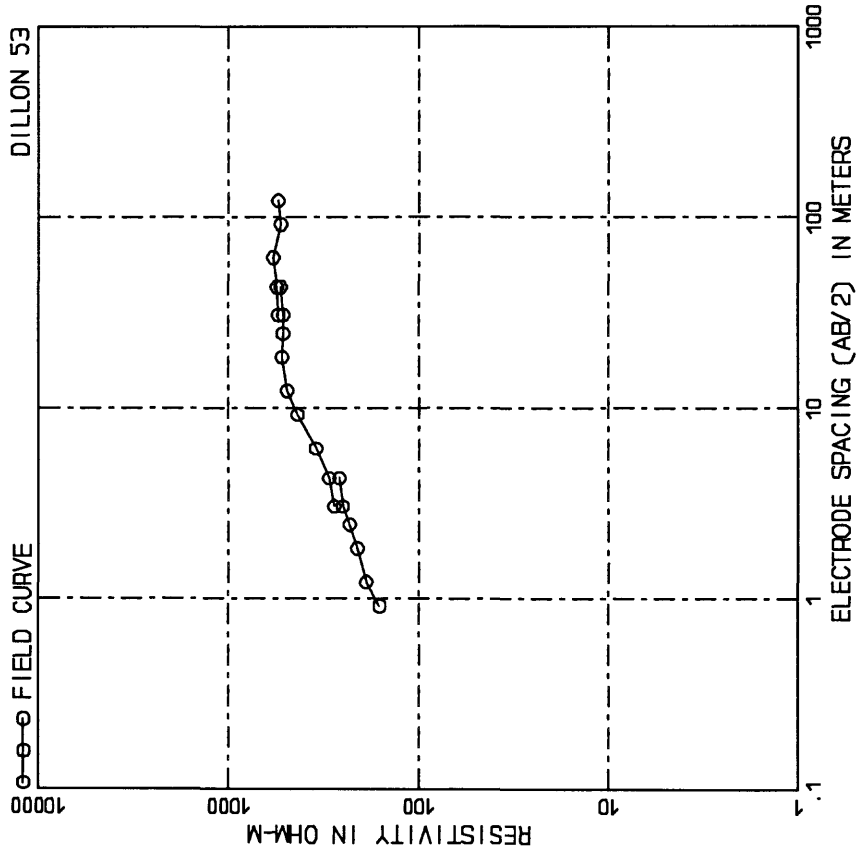
AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91	3.00	64.00	18.29	60.00	32.00
1.83	6.00	70.00	36.58	120.00	22.50
2.74	9.00	82.00	54.87	180.00	16.50
3.66	12.00	93.00	73.16	240.00	12.50
4.57	15.00	102.00	91.45	300.00	9.80
5.49	18.00	103.00	109.74	360.00	7.50
6.40	21.00	95.00	128.03	420.00	5.80
7.31	24.00	65.00	146.32	480.00	4.50
8.23	27.00		164.61	540.00	3.50
9.14	30.00		182.90	600.00	2.80
10.06	33.00		201.19	660.00	2.20
10.97	36.00		219.48	720.00	1.80
11.89	39.00		237.77	780.00	1.50
12.80	42.00		256.06	840.00	1.20



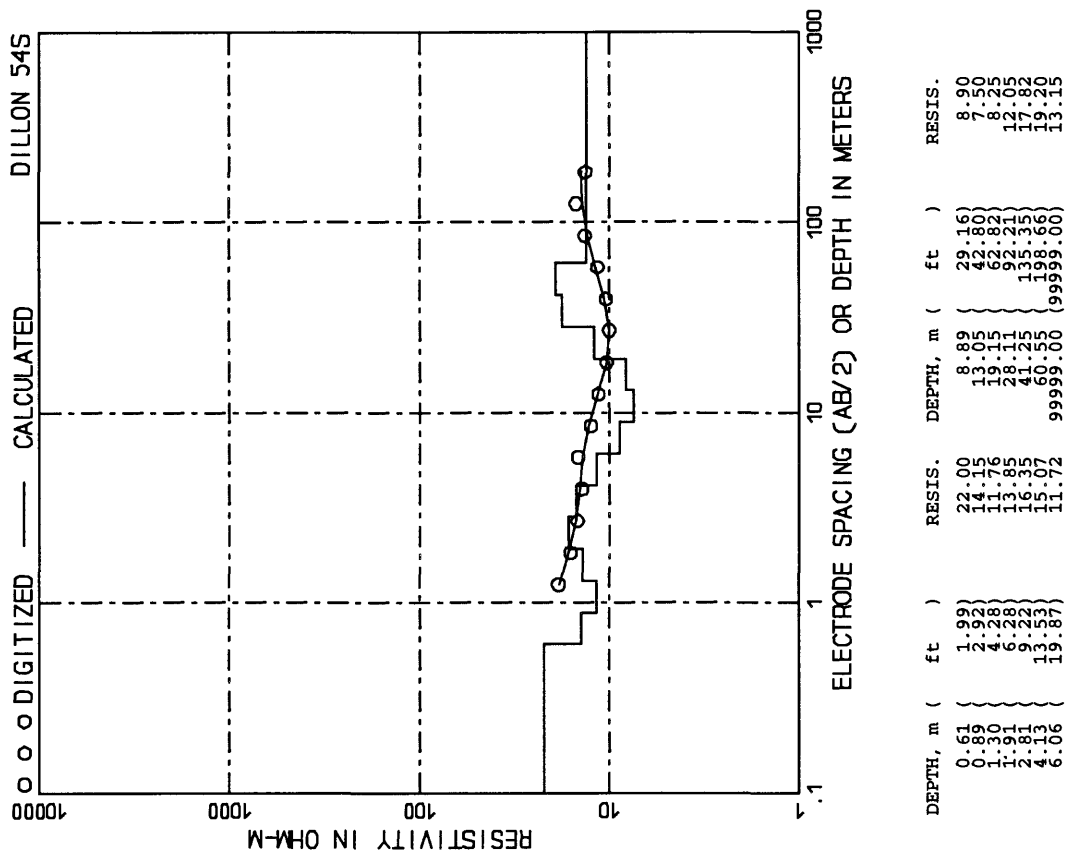
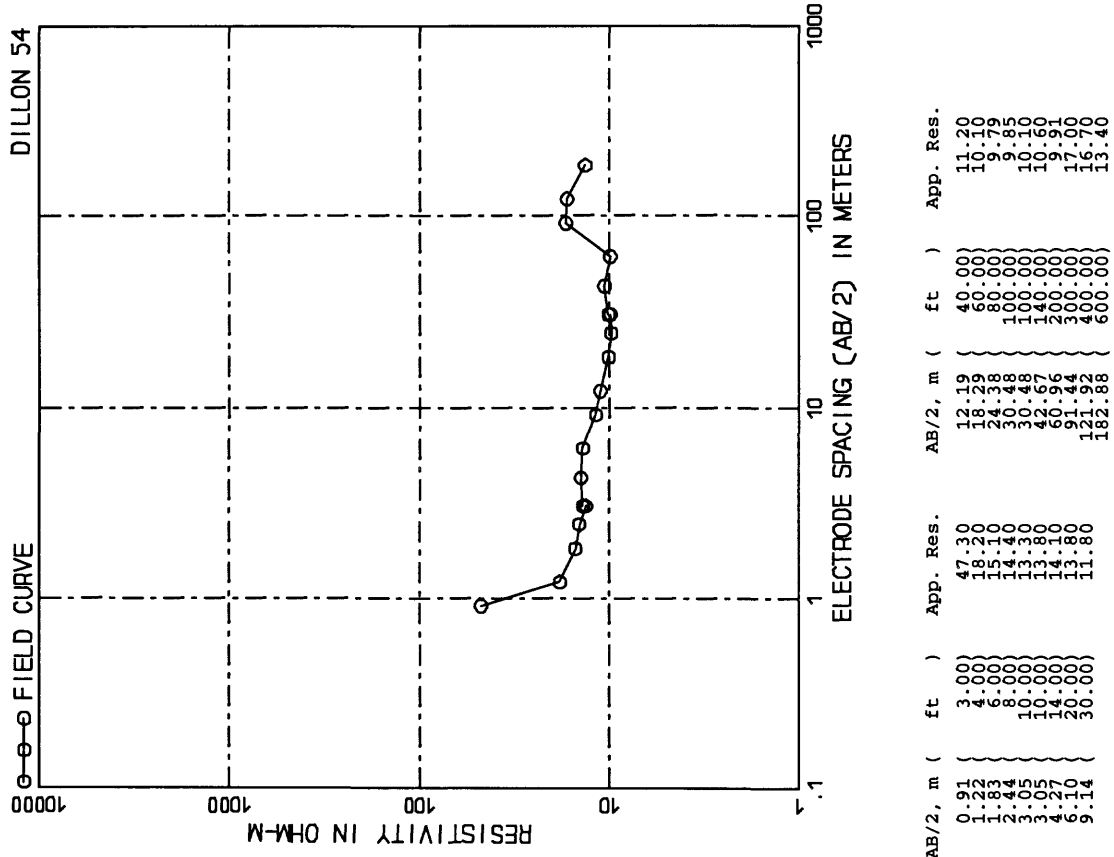
DEPTH, m (ft)	RESIS.	DEPTH, m (ft)	RESIS.
0.50	1.62	45.90	7.27	23.84	36.17
1.02	3.33	61.85	14.54	47.68	27.13
1.53	5.04	82.12	21.82	71.39	19.78
2.05	6.74	102.45	29.09	95.10	14.60
2.57	8.45	122.73	36.36	118.81	10.95
3.09	10.15	143.00	43.64	142.52	8.35
3.61	11.86	163.27	50.91	166.23	6.40
4.13	13.56	183.54	58.18	189.94	5.00
4.65	15.27	203.81	65.45	213.65	3.90
			72.73	237.36	3.00
			80.00	261.07	2.30
			87.27	284.78	1.80
			94.55	308.49	1.40
			101.82	332.20	1.10
			109.09	355.91	0.80
			116.36	379.62	0.60
			123.64	403.33	0.40
			130.91	427.04	0.30
			138.18	450.75	0.20
			145.45	474.46	0.15
			152.73	498.17	0.10
			160.00	521.88	0.08
			167.27	545.59	0.06
			174.55	569.30	0.04
			181.82	593.01	0.03
			189.09	616.72	0.02
			196.36	640.43	0.01
			203.64	664.14	0.01
			210.91	687.85	0.01
			218.18	711.56	0.01
			225.45	735.27	0.01
			232.73	758.98	0.01
			240.00	782.69	0.01
			247.27	806.40	0.01
			254.55	830.11	0.01
			261.82	853.82	0.01
			269.09	877.53	0.01
			276.36	901.24	0.01
			283.64	924.95	0.01
			290.91	948.66	0.01
			298.18	972.37	0.01
			305.45	996.08	0.01
			312.73	1019.79	0.01
			320.00	1043.50	0.01
			327.27	1067.21	0.01
			334.55	1090.92	0.01
			341.82	1114.63	0.01
			349.09	1138.34	0.01
			356.36	1162.05	0.01
			363.64	1185.76	0.01
			370.91	1209.47	0.01
			378.18	1233.18	0.01
			385.45	1256.89	0.01
			392.73	1280.60	0.01
			400.00	1304.31	0.01
			407.27	1328.02	0.01
			414.55	1351.73	0.01
			421.82	1375.44	0.01
			429.09	1399.15	0.01
			436.36	1422.86	0.01
			443.64	1446.57	0.01
			450.91	1470.28	0.01
			458.18	1493.99	0.01
			465.45	1517.70	0.01
			472.73	1541.41	0.01
			480.00	1565.12	0.01
			487.27	1588.83	0.01
			494.55	1612.54	0.01
			501.82	1636.25	0.01
			509.09	1659.96	0.01
			516.36	1683.67	0.01
			523.64	1707.38	0.01
			530.91	1731.09	0.01
			538.18	1754.80	0.01
			545.45	1778.51	0.01
			552.73	1802.22	0.01
			560.00	1825.93	0.01
			567.27	1849.64	0.01
			574.55	1873.35	0.01
			581.82	1897.06	0.01
			589.09	1920.77	0.01
			596.36	1944.48	0.01
			603.64	1968.19	0.01
			610.91	1991.90	0.01
			618.18	2015.61	0.01
			625.45	2039.32	0.01
			632.73	2063.03	0.01
			640.00	2086.74	0.01
			647.27	2110.45	0.01
			654.55	2134.16	0.01
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			676.36	2205.29	0.01
			683.64	2229.00	0.01
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			1025.45	3343.37	0.01
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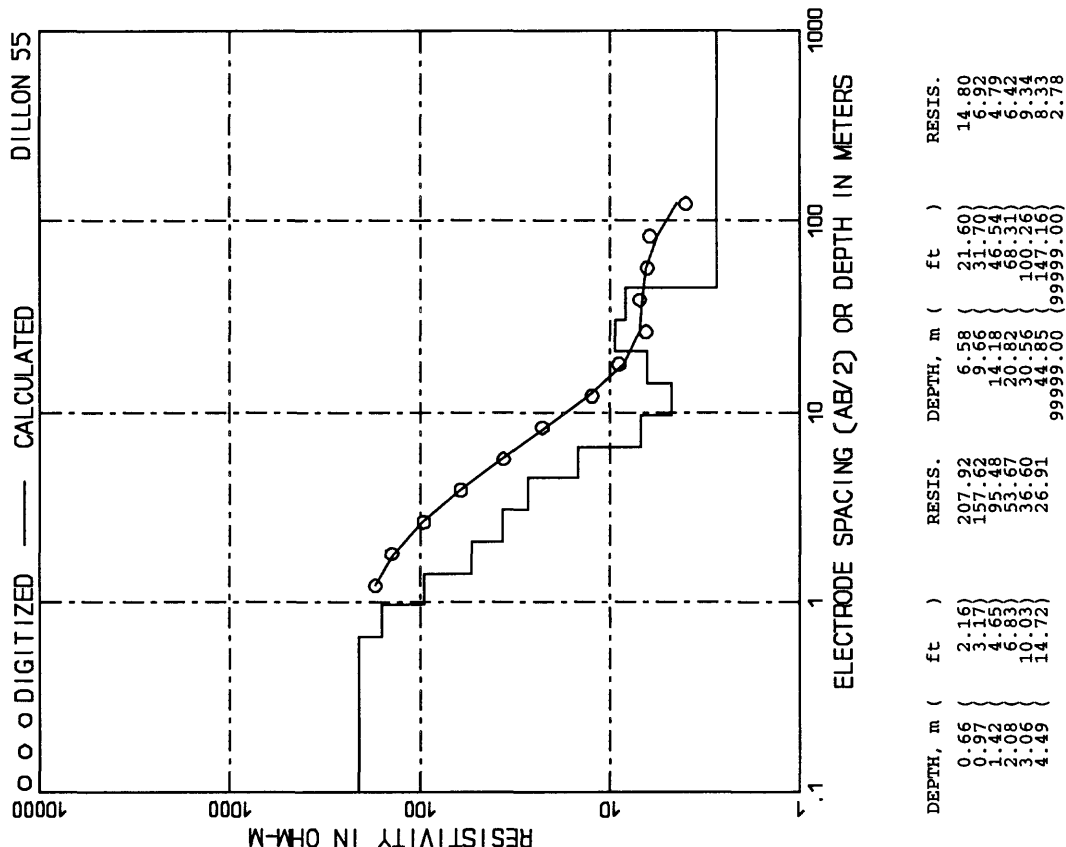
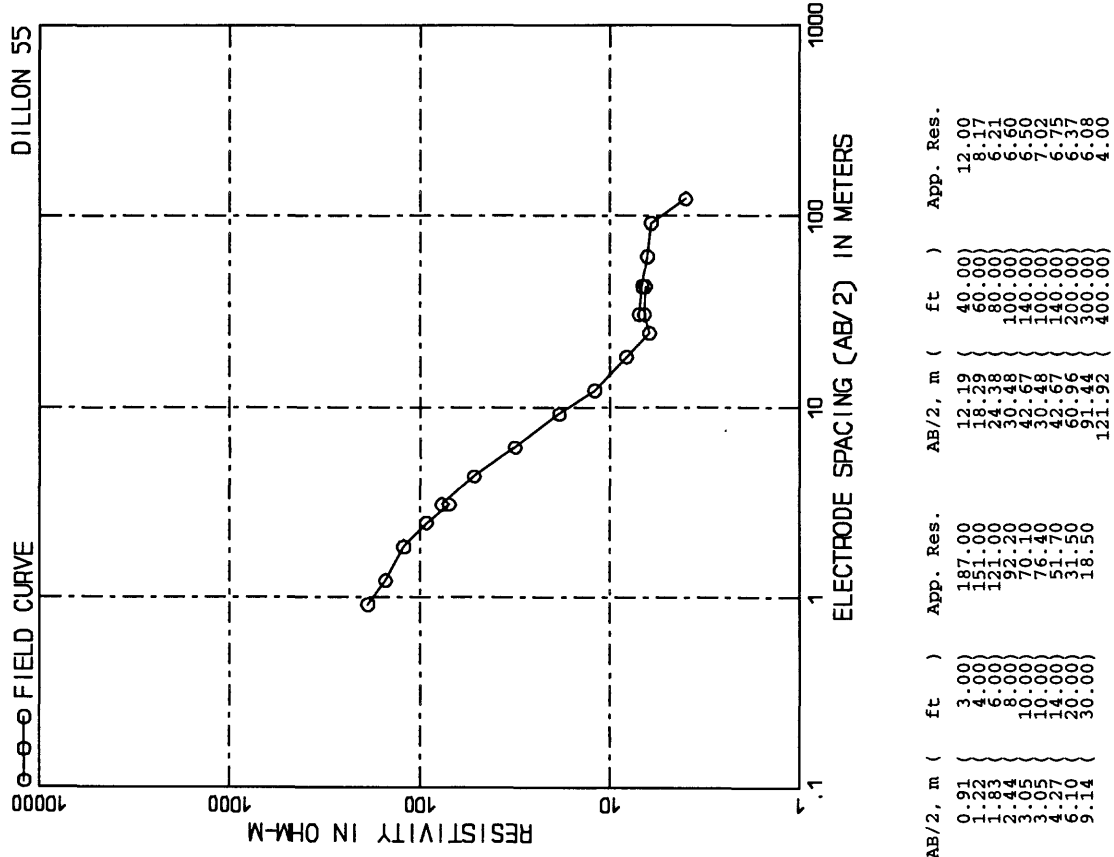


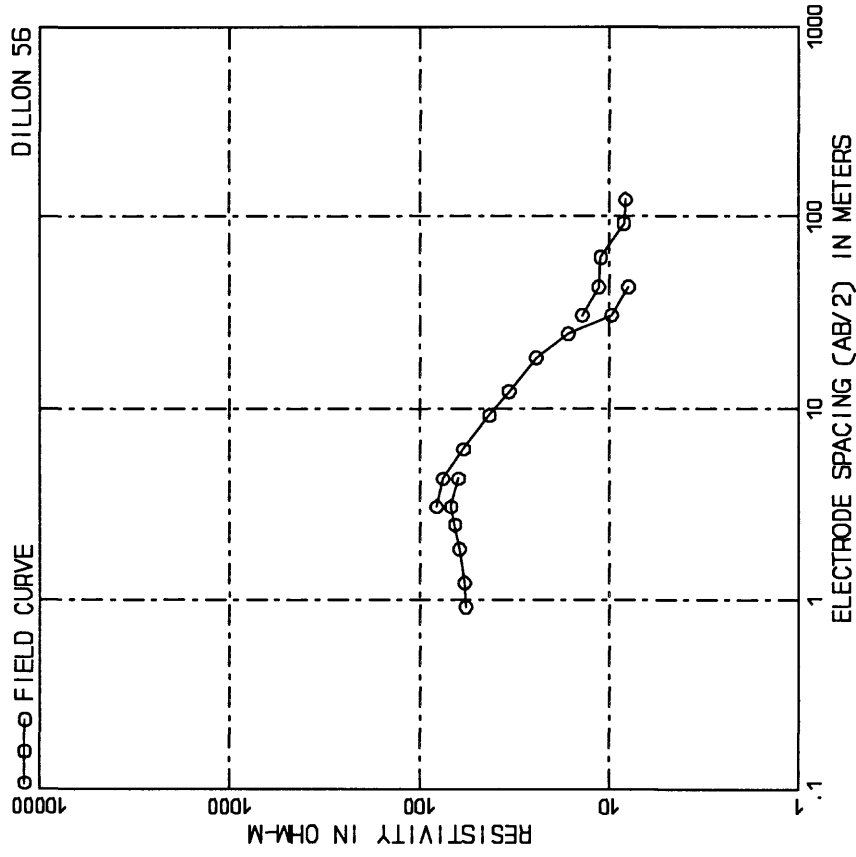




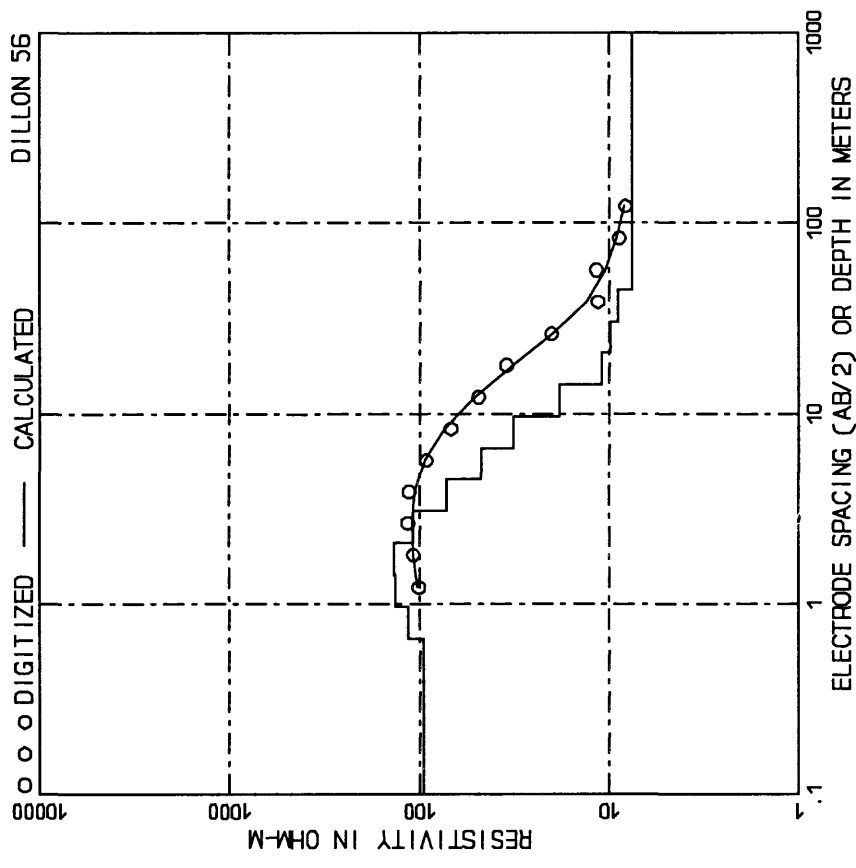
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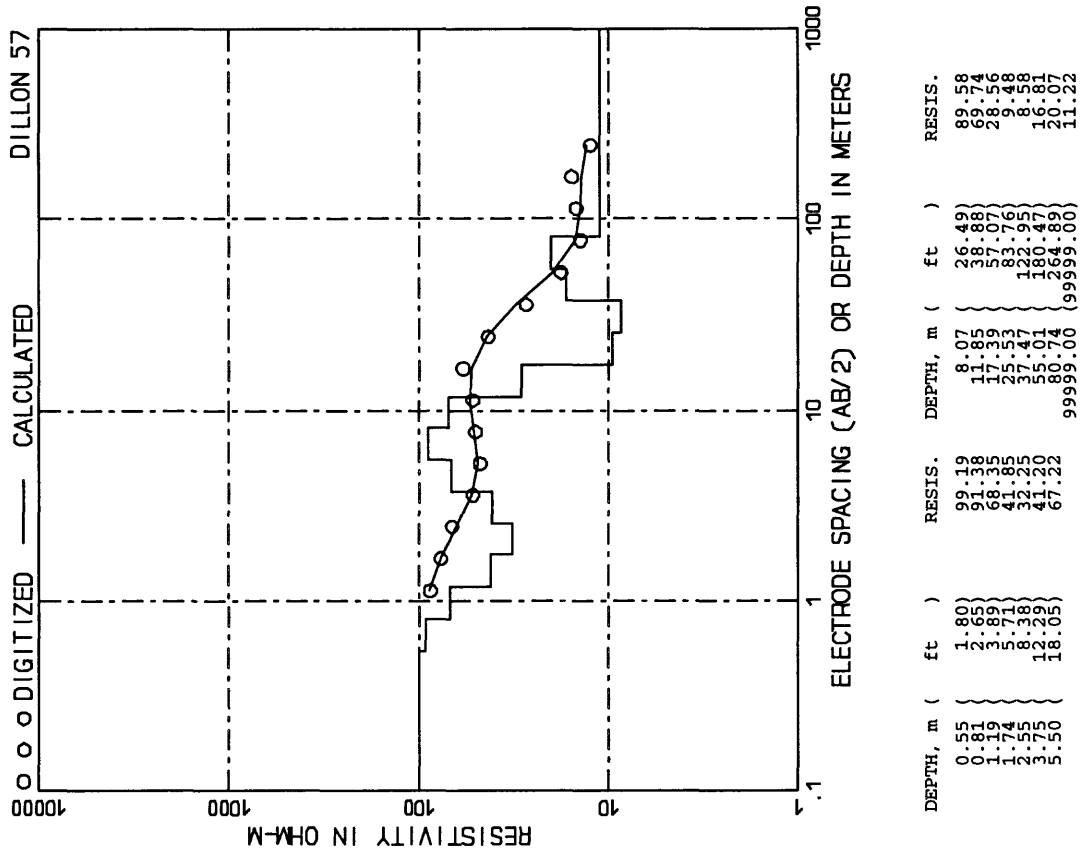
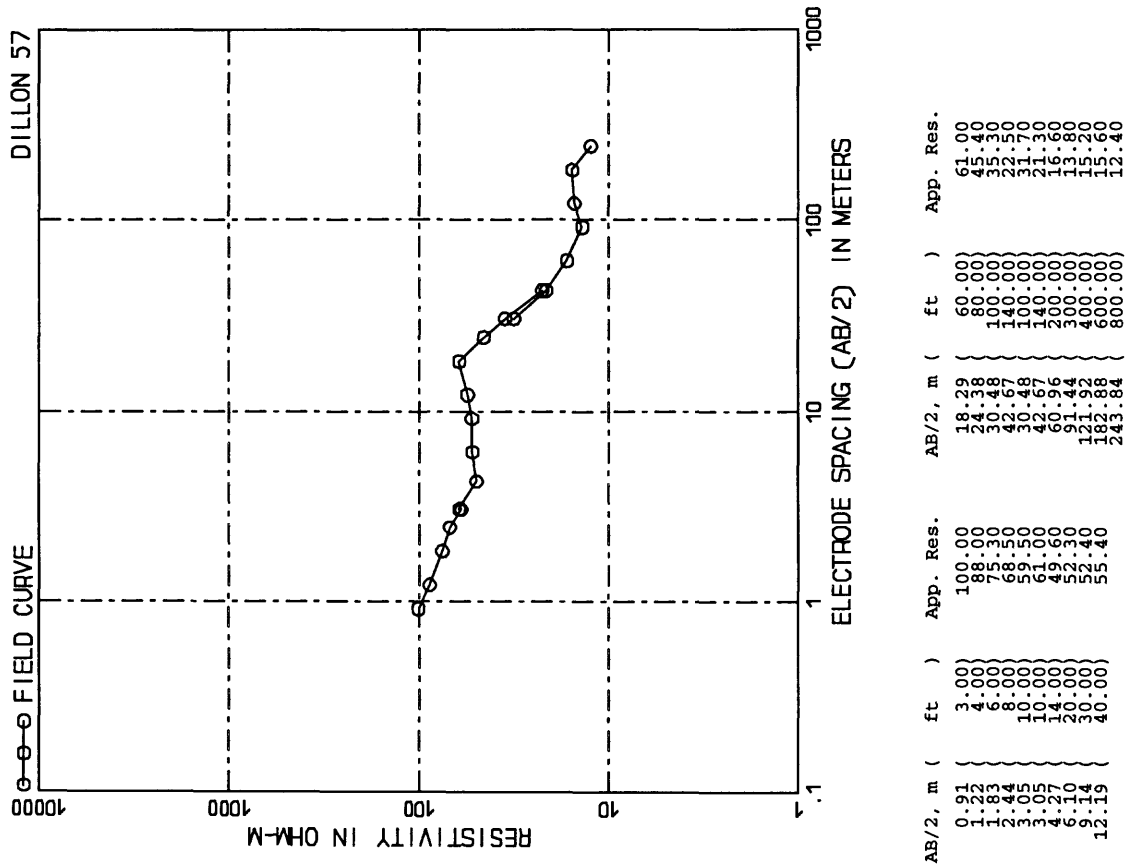


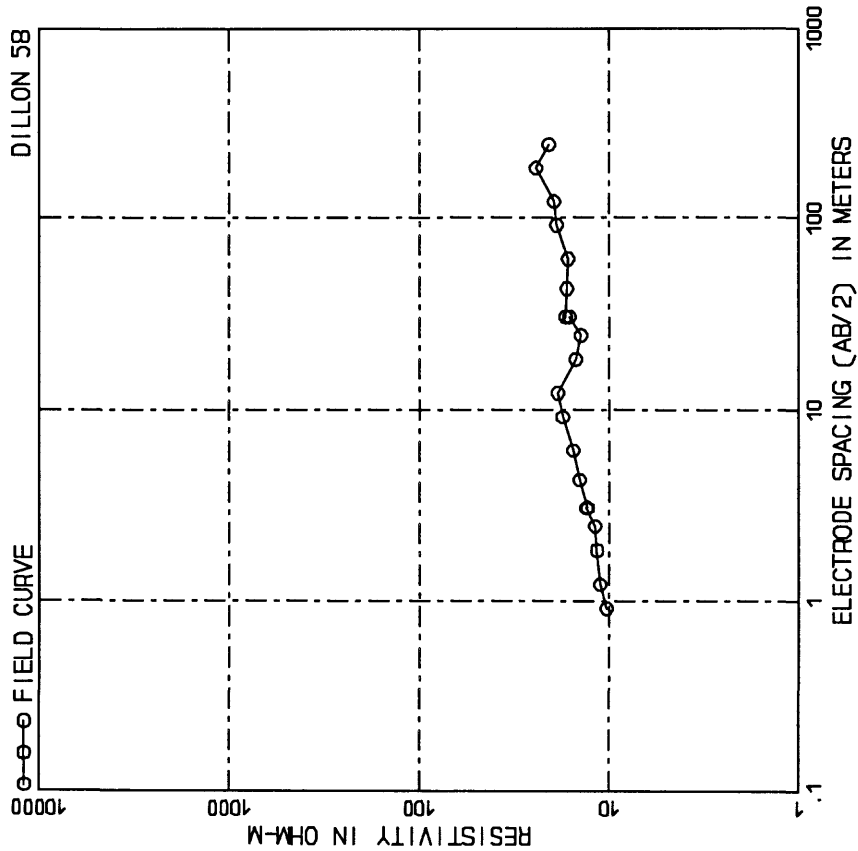


AB/2, m (ft)	APP. RES.	AB/2, m (ft)	APP. RES.
0.91	{ 3.00 }	56.80	12.19	{ 40.00 }	33.70
1.22	{ 4.00 }	57.80	18.29	{ 60.00 }	24.20
1.83	{ 6.00 }	61.80	24.38	{ 80.00 }	16.50
2.44	{ 8.00 }	65.00	30.48	{ 100.00 }	9.68
3.05	{ 10.00 }	68.10	42.67	{ 140.00 }	7.90
4.27	{ 14.00 }	62.20	30.48	{ 100.00 }	13.90
6.10	{ 20.00 }	81.00	42.67	{ 140.00 }	11.40
9.14	{ 30.00 }	75.50	60.96	{ 200.00 }	11.10
		58.50	91.44	{ 300.00 }	8.38
		42.80	121.92	{ 400.00 }	8.21

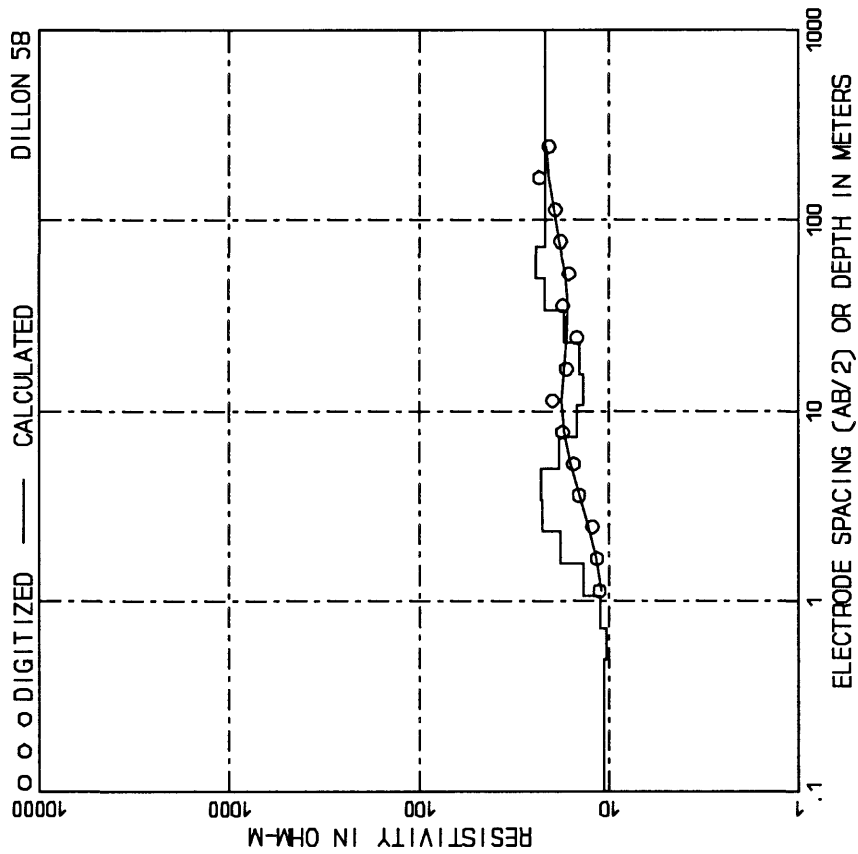


DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.66	{ 2.16 }	95.04	6.58	{ 21.60 }	47.24
0.97	{ 3.17 }	114.75	9.66	{ 31.70 }	31.83
1.42	{ 4.65 }	134.07	14.18	{ 46.54 }	18.27
2.08	{ 6.83 }	134.59	20.82	{ 68.31 }	10.98
3.06	{ 10.03 }	107.85	30.56	{ 100.26 }	9.00
4.49	{ 14.72 }	72.15	44.85	{ 147.16 }	9.00
			99999.00	{ 99999.00 }	7.53

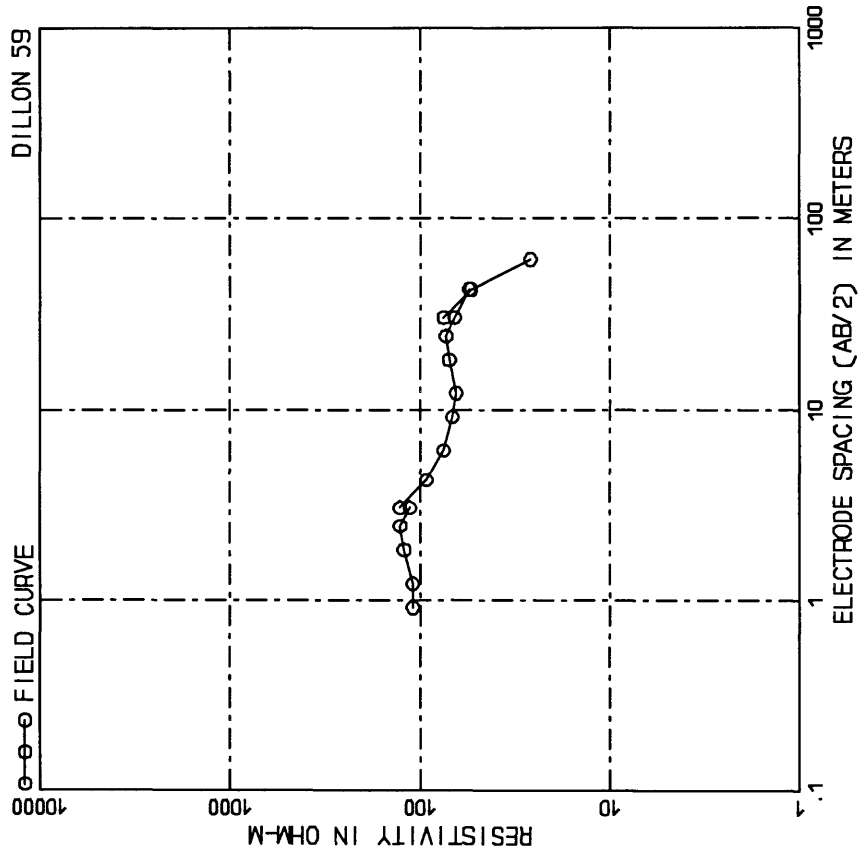




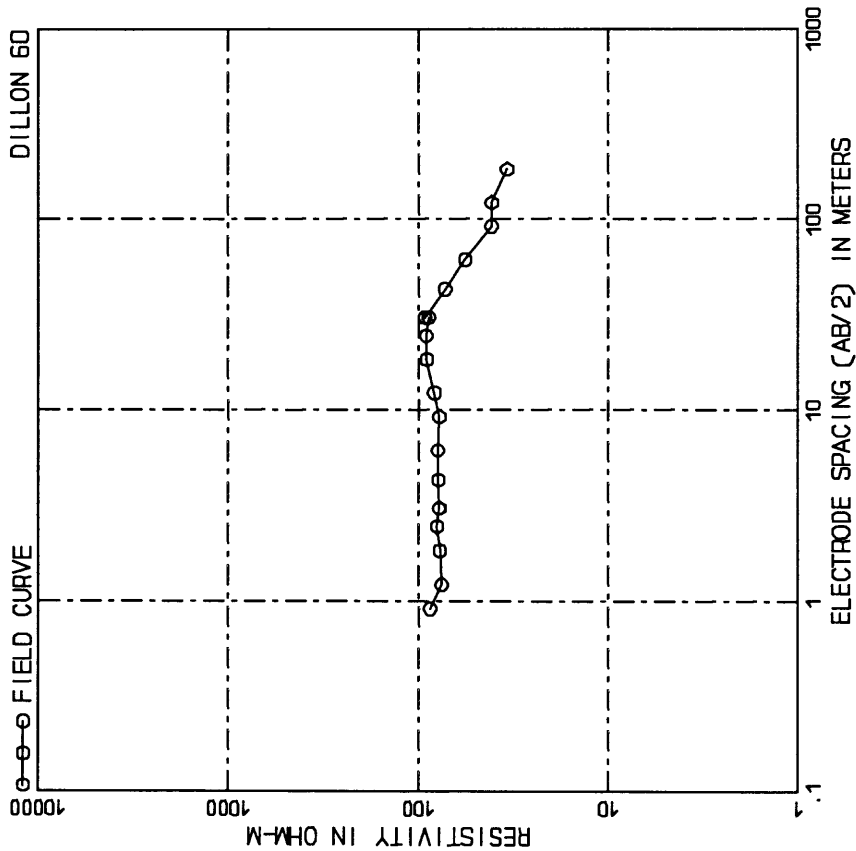
AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91 {	3.00 {	10.30 {	18.29 {	60.00 {	15.00 {
1.22 {	4.00 {	11.60 {	24.38 {	80.00 {	14.10 {
1.83 {	6.00 {	11.90 {	30.48 {	100.00 {	16.20 {
2.44 {	8.00 {	13.20 {	42.67 {	140.00 {	17.00 {
3.05 {	10.00 {	13.30 {	60.96 {	200.00 {	16.70 {
4.27 {	14.00 {	14.30 {	91.44 {	300.00 {	16.50 {
6.10 {	20.00 {	15.50 {	121.92 {	400.00 {	18.90 {
9.14 {	30.00 {	17.60 {	182.88 {	600.00 {	19.50 {
12.19 {	40.00 {	18.60 {	243.84 {	800.00 {	24.30 {
					20.70 {



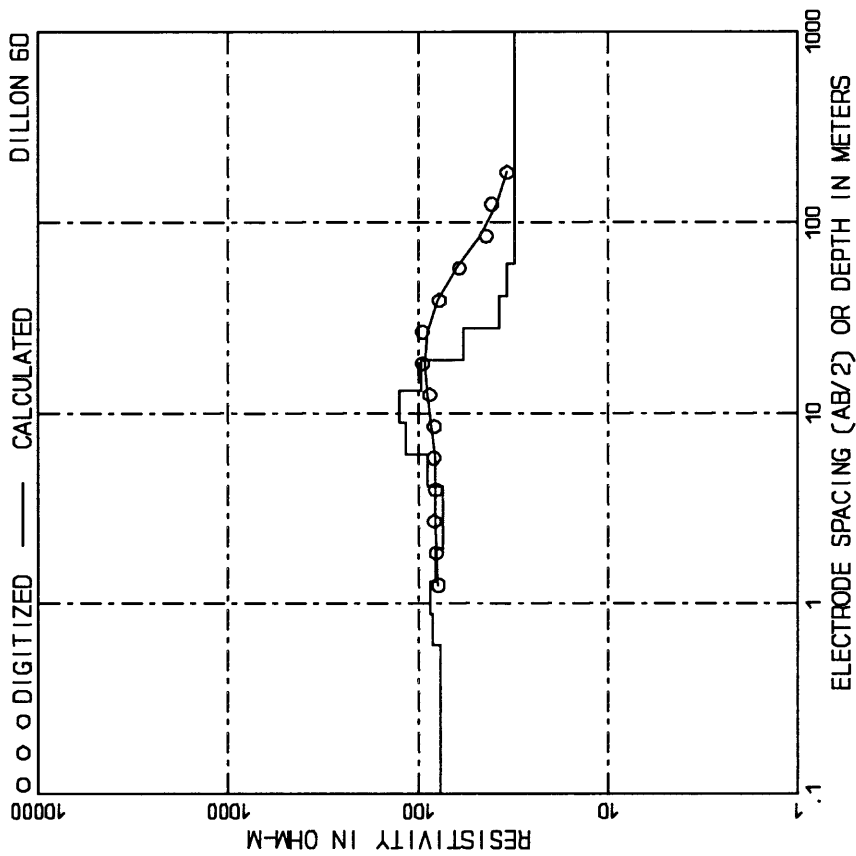
DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.50 {	1.62 {	10.64 {	7.27 {	23.84 {	18.47 {
0.73 {	2.38 {	10.29 {	10.67 {	34.99 {	14.77 {
1.07 {	3.50 {	11.19 {	15.65 {	51.36 {	13.64 {
1.57 {	5.14 {	13.68 {	22.98 {	75.39 {	14.41 {
2.30 {	7.54 {	17.97 {	33.73 {	110.65 {	17.32 {
3.37 {	11.07 {	22.43 {	49.51 {	162.42 {	21.91 {
4.95 {	16.24 {	22.70 {	72.66 {	238.40 {	24.29 {
			99999.00 {	99999.00 {	21.84 {



AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.1	3.00	109.00	9.14	30.00	67.60
0.2	6.00	121.00	18.28	60.00	64.30
0.3	9.00	127.00	27.42	90.00	70.70
0.4	12.00	113.00	36.57	120.00	65.20
0.5	15.00	127.00	45.71	150.00	57.90
0.6	18.00	92.00	54.86	180.00	51.80
0.7	21.00	75.00	63.99	210.00	46.30
0.8	24.00		73.13	240.00	
0.9	27.00		82.27	270.00	
1.0	30.00		91.42	300.00	
1.1	33.00		100.56	330.00	
1.2	36.00		109.70	360.00	
1.3	39.00		118.84	390.00	
1.4	42.00		127.98	420.00	
1.5	45.00		137.12	450.00	
1.6	48.00		146.26	480.00	
1.7	51.00		155.40	510.00	
1.8	54.00		164.54	540.00	
1.9	57.00		173.68	570.00	
2.0	60.00		182.82	600.00	
2.1	63.00		191.96	630.00	
2.2	66.00		201.10	660.00	
2.3	69.00		210.24	690.00	
2.4	72.00		219.38	720.00	
2.5	75.00		228.52	750.00	
2.6	78.00		237.66	780.00	
2.7	81.00		246.80	810.00	
2.8	84.00		255.94	840.00	
2.9	87.00		265.08	870.00	
3.0	90.00		274.22	900.00	
3.1	93.00		283.36	930.00	
3.2	96.00		292.50	960.00	
3.3	99.00		301.64	990.00	
3.4	102.00		310.78	1020.00	
3.5	105.00		319.92	1050.00	
3.6	108.00		329.06	1080.00	
3.7	111.00		338.20	1110.00	
3.8	114.00		347.34	1140.00	
3.9	117.00		356.48	1170.00	
4.0	120.00		365.62	1200.00	
4.1	123.00		374.76	1230.00	
4.2	126.00		383.90	1260.00	
4.3	129.00		393.04	1290.00	
4.4	132.00		402.18	1320.00	
4.5	135.00		411.32	1350.00	
4.6	138.00		420.46	1380.00	
4.7	141.00		429.60	1410.00	
4.8	144.00		438.74	1440.00	
4.9	147.00		447.88	1470.00	
5.0	150.00		457.02	1500.00	
5.1	153.00		466.16	1530.00	
5.2	156.00		475.30	1560.00	
5.3	159.00		484.44	1590.00	
5.4	162.00		493.58	1620.00	
5.5	165.00		502.72	1650.00	
5.6	168.00		511.86	1680.00	
5.7	171.00		521.00	1710.00	
5.8	174.00		530.14	1740.00	
5.9	177.00		539.28	1770.00	
6.0	180.00		548.42	1800.00	
6.1	183.00		557.56	1830.00	
6.2	186.00		566.70	1860.00	
6.3	189.00		575.84	1890.00	
6.4	192.00		584.98	1920.00	
6.5	195.00		594.12	1950.00	
6.6	198.00		603.26	1980.00	
6.7	201.00		612.40	2010.00	
6.8	204.00		621.54	2040.00	
6.9	207.00		630.68	2070.00	
7.0	210.00		639.82	2100.00	
7.1	213.00		648.96	2130.00	
7.2	216.00		658.10	2160.00	
7.3	219.00		667.24	2190.00	
7.4	222.00		676.38	2220.00	
7.5	225.00		685.52	2250.00	
7.6	228.00		694.66	2280.00	
7.7	231.00		703.80	2310.00	
7.8	234.00		712.94	2340.00	
7.9	237.00		722.08	2370.00	
8.0	240.00		731.22	2400.00	
8.1	243.00		740.36	2430.00	
8.2	246.00		749.50	2460.00	
8.3	249.00		758.64	2490.00	
8.4	252.00		767.78	2520.00	
8.5	255.00		776.92	2550.00	
8.6	258.00		786.06	2580.00	
8.7	261.00		795.20	2610.00	
8.8	264.00		804.34	2640.00	
8.9	267.00		813.48	2670.00	
9.0	270.00		822.62	2700.00	
9.1	273.00		831.76	2730.00	
9.2	276.00		840.90	2760.00	
9.3	279.00		850.04	2790.00	
9.4	282.00		859.18	2820.00	
9.5	285.00		868.32	2850.00	
9.6	288.00		877.46	2880.00	
9.7	291.00		886.60	2910.00	
9.8	294.00		895.74	2940.00	
9.9	297.00		904.88	2970.00	
10.0	300.00		914.02	3000.00	



AB/2, m (	ft)	App. Res.	AB/2, m (	ft)	App. Res.
0.91 {	3.00 {	86.30 {	12.19 {	40.00 {	82.10 {
1.22 {	4.00 {	75.20 {	16.79 {	50.00 {	80.10 {
1.83 {	6.00 {	77.00 {	26.38 {	80.00 {	81.00 {
2.44 {	8.00 {	79.50 {	30.48 {	100.00 {	87.70 {
3.05 {	10.00 {	77.80 {	42.67 {	140.00 {	97.20 {
3.05 {	14.00 {	77.30 {	60.96 {	200.00 {	75.20 {
4.27 {	20.00 {	78.70 {	91.44 {	300.00 {	56.50 {
6.10 {	30.00 {	77.30 {	121.92 {	400.00 {	41.20 {
9.14 {			182.88 {	600.00 {	40.90 {
					34.00 {



DEPTH, m (	ft)	RESIS.	DEPTH, m (	ft)	RESIS.
0.61 {	1.99 {	75.91 {	8.89 {	29.16 {	115.91 {
0.89 {	2.92 {	82.65 {	13.05 {	42.80 {	124.91 {
1.30 {	4.28 {	86.47 {	19.15 {	62.82 {	136.77 {
1.91 {	6.28 {	81.75 {	28.11 {	92.21 {	57.52 {
2.81 {	9.22 {	74.20 {	41.25 {	135.35 {	37.69 {
4.13 {	13.53 {	73.98 {	60.55 {	198.66 {	34.27 {
6.06 {	19.87 {	89.60 {	99.99.00 {	9999.00 {	31.05 {