



Instituto Tecnológico
GeoMinero de España

PROSPECCION ELECTRICA EN
REQUENA (VALENCIA) Y
CASAS IBAÑEZ (ALBACETE)

Septiembre 1990

EXPEDIENTE Nº

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ORGANICA Nº

PROGRAMA Nº

CONCEPTO Nº

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MINISTERIO DE INDUSTRIA Y ENERGIA

40371

INDICE

- 1.-Introducción
- 2.-Situación y objeto de estudio
- 3.-Ficha estadística de la toma de datos
- 4.-Método utilizado
- 5.-Zona de Requena
 - 5.1.-Contexto geológico
 - 5.2.-Perfiles geoelectricos
 - 5.3.-Conclusiones
- 6.-Zona de Casas Ibañez
 - 6.1.-Contexto geologico
 - 6.2.-Perfiles geoelectricos
 - 6.3.-Conclusiones

1.-Introducción

A petición de la Dirección de Aguas Subterráneas del ITGE se ha realizado un trabajo de prospección eléctrica mediante SEV en las zonas de Requena en la provincia de Valencia y Casas Ibañez en Albacete.

La toma de datos se hizo con el equipo SYSCAL R2E. Para la interpretación se ha utilizado el paquete software RESIXIP.

2.-Situación y objeto de estudio

Las dos áreas de trabajo comprendidas en el informe están localizadas en las siguientes hojas topográficas a escala 1:50000

A) Zona de Requena:

Hojas nº693 (Utiel), nº719 (Venta del Moro), nº694 (Chulilla), y nº720 (Requena)

B) Zona de Casas Ibañez:

Hoja nº744 (Casas Ibañez)

En la zona de Requena, el estudio se centra en detectar si existe continuidad en profundidad de los afloramientos de calizas cretácicas que aparecen en el área.

En la zona de Casas Ibañez se trata de averiguar el espesor del recubrimiento cuaternario-terciario.

3.-Ficha estadística de la toma de datos

Trabajos de campo: Entre Octubre de 1989 y Abril de 1990

Jefe de Equipo: D. Ignacio Arbe Escolar
(Ingeniero de Minas)

Ayudantes: D. Ceferino Avilero Hurtado
D. Julián Coronel Campos
(Ingenieros Técnicos de Minas)

Operadores: D. José M^a Llorente Delgado
D. Juan Francisco Nieto Gallardo

5 peones contratados en la zona de trabajo

Material empleado

-Equipo SYSCAL R2E

-Electrodos impolarizables de potencial

-Electrodos de corriente (barrenas)

-1 Vehículo todo terreno

-Cables

El número total de SEV realizados es de 112 (ver plano 1 y fig.1) y se han repartido de la siguiente forma:

Zona de Reguena

SEV n^{os}:1, 2, 3, 4, 7, 8, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28, 30, 31, 35, 37, 38, 40, 41, 42, 43, 44, 45, 46, 47, 51, 52, 53, 54, 55, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 90, 91, 92, 93, 94, 95, 96, 97, 98, 100, 101, 102, 103, 104.

Zona de Casas Ibañez

SEV n^{os}:105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134.

4.-Método utilizado

Para la interpretación se ha utilizado el programa RESIXIP,utilizandose un ordenador HP modelo Vectra QS/16 para el procesado de datos.Los ficheros correspondientes a todos los SEV realizados aparecen listados en ANEXO I.

5.-Zona de Reguena

5.1.-Contexto geológico

Regionalmente hablando las áreas de trabajo están situadas en formaciones modernas (cuaternario, terciario).

Los SEV realizados se sitúan sobre afloramientos cuaternarios de aluviones indiferenciados, o bien sobre afloramientos de margas arcillosas.

Como se ha dicho anteriormente se trata de detectar en principio la profundidad de unas calizas cretácicas que aparecen aflorantes.

5.2.-Perfiles geoeléctricos

Se han trazado un total de 22 perfiles. Se comentan todos ellos agrupandolos por áreas.

Perfiles 1 y 2

Perfil 1 SEV n^{os}: 16, 22, 35, 47, 60, 75, 88

Perfil 2 SEV n^{os}: 17, 23, 31, 42, 54, 65, 80

Presentan bastante uniformidad. En los dos se aprecia una capa superficial de espesor variable, que presenta una resistividad entre 15 y 30 Ω . m. Después se aprecia un resistivo de más de 100 Ω . m en todos los casos y con una potencia bastante grande, por último aparece otro conductor en profundidad

Perfiles 3 y 4

Perfil 3 SEV n^o : 1, 3, 4, 8

Perfil 4 SEV n^o: 2, 7

En ninguno de los dos se aprecia la existencia de un nivel resistivo fuerte, que pudiera ser indicio de detectar las calizas en profundidad

Perfiles 5, 6 y 7

Perfil 5 SEV n^{os}: 100, 101

Perfil 6 SEV n^{os}: 103, 102

Perfil 7 SEV n^{os}: 103, 104

Se correlacionan bastante bien entre si los tres perfiles. No teniendo en cuenta un nivel bastante superficial en los tres de resistividades variables; aparece primero un nivel conductor de espesor variable entre 50 y 100 m y después un resistivo, que pudiera ser índice de la conexión en profundidad de las calizas.

Perfiles 8, 9, y 10

Perfil 8 SEV n^{os}: S-8 (paramétrico), 18

Perfil 9 SEV n^{os}: 19, 25, 24

Perfil 10 SEV n^{os}: 20, S-7 (paramétrico), 37

Los tres perfiles están en la zona central del recubrimiento cuaternario y por esto la potencia del mismo allí es bastante grande con lo cual en ninguno de ellos se detectan niveles resistivos de interés, deben estar más profundos.

Perfiles 11, 12, 13

Perfil 11 SEV n^os: 26, 38
Perfil 12 SEV n^os: 21, 30, 43, 55
Perfil 13 SEV n^os: 28, 40, 44, 61, 66

Analogamente a los tres anteriores se sitúan en una zona de gran potencia del recubrimiento cuaternario. A pesar de esto se distinguen tres niveles de resistividades similares en los tres perfiles; apareciendo en profundidad un nivel conductor. No podemos decir que se detecten niveles resistivos de importancia en profundidad.

Perfiles 14, 15, 16

Perfil 14 SEV n^os: 41, 45, 51
Perfil 15 SEV n^os: 46, 52, 57, 62, 71, 76
Perfil 16 SEV n^os: 58, 67, 77

Ninguno de los tres cortes presenta resistividades altas. Lo que si se observa es que aparecen tres niveles de resistividades similares por lo que los tres perfiles se correlacionan bastante bien.

Perfiles 17, 18, 19

Perfil 17 SEV n^os: 53, 59, 68, 72, 78, 81
Perfil 18 SEV n^os: 63, 79, 85
Perfil 19 SEV n^os: 64, 69, 73, 82, 86, 90, 94

De los tres cortes el 19 es el más largo, y en el es en el único que se observan niveles de una resistividad alta; concretamente en los SEV 64 y 69, esto es debido a que aquí ya no nos situamos en todo el centro del recubrimiento cuaternario y

este será menos potente. Por lo demás los tres perfiles se correlacionan bastante bien, distinguiéndose tres niveles de resistividad como en el caso anterior.

Perfiles 20, 21, 22

Perfil 20 SEV n^{os}: 70, 74, 83, 87, 91, 95, 96,
S-5 (parametrico), 98
Perfil 21 SEV n^{os}: 65, 75, 84, S-3 (parametrico)
Perfil 22 SEV n^{os}: 80, S-4 (parametrico), 88, 93,
S-1 (parametrico), 92, 97.

Se observan en los tres perfiles en los SEV situados más hacia la izquierda (70, 65, 80), ciertos niveles resistivos que pudieran ser indicio de calizas en profundidad. A medida que nos desplazamos hacia la derecha de los perfiles ya no aparecen estos niveles; lo que puede ser debido a que en estos casos ya nos encontramos en la parte donde el recubrimiento cuaternario es más potente.

5.3.-Conclusiones

Lo más importante a destacar es que salvo en los bordes del área de investigación, el caso de los perfiles 5, 6, 7 o los 3 y 4; no se detecta el resistivo buscado en profundidad. Como ya se ha repetido en varias ocasiones, esto puede ser debido a dos causas: a) que no exista ese resistivo b) que en el caso de que exista el recubrimiento cuaternario es muy potente y no lo podemos detectar.

6.-Zona de Casas Ibañez

6.1.-Contexto geológico

Regionalmente hablando el área de trabajo se sitúa sobre formaciones modernas (cuaternario, terciario).

La mayor parte de los SEV realizados se encuentran situados sobre afloramientos terciarios de areniscas, conglomerados y calizas.

6.2.-Perfiles geoeléctricos

Se han trazado dos clases de perfiles unos paralelos al cauce del río Júcar, son tres perfiles largos: IX, X, XI y otros numerados del I al VIII paralelos entre si y perpendiculares a los tres anteriores.

Perfiles IX, X, XI

Perfil IX SEV n^os: 105, 108, 112, 116, 120, 124, 127, 132

Perfil X SEV n^os: 106, 109, 111, 113, 115, 117, 119, 121, 123,
125, 128, 129, 131, 133

Perfil XI SEV n^os: 107, 110, 114, 118, 122, 126, 130, 134

En los tres perfiles se observan dos resistivos en profundidad. Después de unas capas superficiales, aparece en todos un resistivo con valores comprendidos entre 100 y 200 $\Omega \cdot m$. Más en profundidad aparece un resistivo muy fuerte y en el perfil XI se observa más esto, debido seguramente a que está trazado cerca del afloramiento cretácico.

Perfiles I, II, III

Perfil I SEV n^{os}: 132, 133, 134

Perfil II SEV n^{os}: 127, 129, 130

Perfil III SEV n^{os}: 124, 125, 126

En los tres perfiles se observa la presencia de un resistivo en profundidad. En los SEV que están más a la derecha de los perfiles (134, 130, 126), el resistivo fuerte se detecta antes es porque están situados más próximos a los afloramientos de calizas cretácicas.

Perfiles IV, V, VI

Perfil IV SEV n^{os}: 120, 121, 122

Perfil V SEV n^{os}: 116, 117, 118

Perfil VI SEV n^{os}: 112, 113, 114

Se observa la presencia de un resistivo fuerte en profundidad en los tres perfiles. La profundidad del mismo es menor en los SEV situados más hacia la derecha en los perfiles (122, 118, 114), ocurre lo mismo que en el caso anterior, están más cerca de los afloramientos cretácicos.

Perfiles VII y VIII

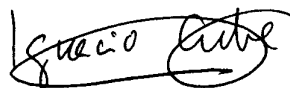
Perfil VII SEV n^{os}: 108, 109, 110

Perfil VIII SEV n^{os}: 105, 106, 107

Estos dos perfiles presentan analogas características a los tres anteriores. Aparece el resistivo fuerte en profundidad.

6.3.-Conclusiones

La investigación realizada si que sirve en gran medida para detectar la potencia del recubrimiento cuaternario-terciario. Se detecta un resistivo fuerte en profundidad prácticamente en todos los perfiles

A handwritten signature in black ink, appearing to read "Ignacio Arbe". The signature is written in a cursive style with some loops and is enclosed within a hand-drawn oval shape.

Fdo. Ignacio Arbe

ANEXO I

LISTADO DE FICHEROS CORRESPONDIENTES A LOS
SEV REALIZADOS

REQ1.RPD
REQ2.RPD
REQ3.RPD
REQ4.RPD
REQ6.RPD
REQ7.RPD
REQ8.RPD
REQ15.RPD
REQ16.RPD
REQ17.RPD
REQ18.RPD
REQ19.RPD
REQ20.RPD
REQ21.RPD
REQ22.RPD
REQ23.RPD
REQ24.RPD
REQ25.RPD
REQ26.RPD
REQ28.RPD
REQ30.RPD
REQ31.RPD
REQ32.RPD
REQ35.RPD
REQ37.RPD
REQ38.RPD
REQ40.RPD
REQ41.RPD
REQ42.RPD
REQ43.RPD
REQ44.RPD
REQ45.RPD
REQ46.RPD
REQ47.RPD
REQ51.RPD
REQ52.RPD
REQ53.RPD
REQ54.RPD
REQ55.RPD
REQ57.RPD
REQ58.RPD
REQ59.RPD
REQ60.RPD
REQ61.RPD
REQ62.RPD
REQ63.RPD
REQ64.RPD
REQ65.RPD
REQ66.RPD
REQ67.RPD
REQ68.RPD
REQ69.RPD
REQ70.RPD
REQ71.RPD
REQ72.RPD

REQ73.RPD
REQ74.RPD
REQ75.RPD
REQ76.RPD
REQ77.RPD
REQ78.RPD
REQ79.RPD
REQ80.RPD
REQ81.RPD
REQ82.RPD
REQ83.RPD
REQ84.RPD
REQ85.RPD
REQ86.RPD
REQ87.RPD
REQ88.RPD
REQ89.RPD
REQ90.RPD
REQ91.RPD
REQ92.RPD
REQ93.RPD
REQ94.RPD
REQ95.RPD
REQ96.RPD
REQ97.RPD
REQ98.RPD

REQ100.RPD
REQ101.RPD
REQ102.RPD
REQ103.RPD
REQ104.RPD
REQ105.RPD
REQ106.RPD
REQ107.RPD
REQ108.RPD
REQ109.RPD
REQ110.RPD
REQ111.RPD
REQ112.RPD
REQ113.RPD
REQ114.RPD
REQ115.RPD
REQ116.RPD
REQ117.RPD
REQ118.RPD
REQ119.RPD
REQ120.RPD
REQ121.RPD
REQ122.RPD
REQ123.RPD
REQ124.RPD
REQ125.RPD
REQ126.RPD
REQ127.RPD

REQ128.RPD
REQ129.RPD
REQ130.RPD
REQ131.RPD
REQ132.RPD
REQ133.RPD
REQ134.RPD

CURVAS DE CAMPO CON INTERPRETACION

ADOPTADA

DATA SET: REQ1

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 865.00
 SOUNDING COORDINATES: X: 635250.0000 Y: 4377050.0000

DATE: 25-4-90
 SOUNDING: 1
 AZIMUTH: N-340
 EQUIPMENT: SYSCALR2E

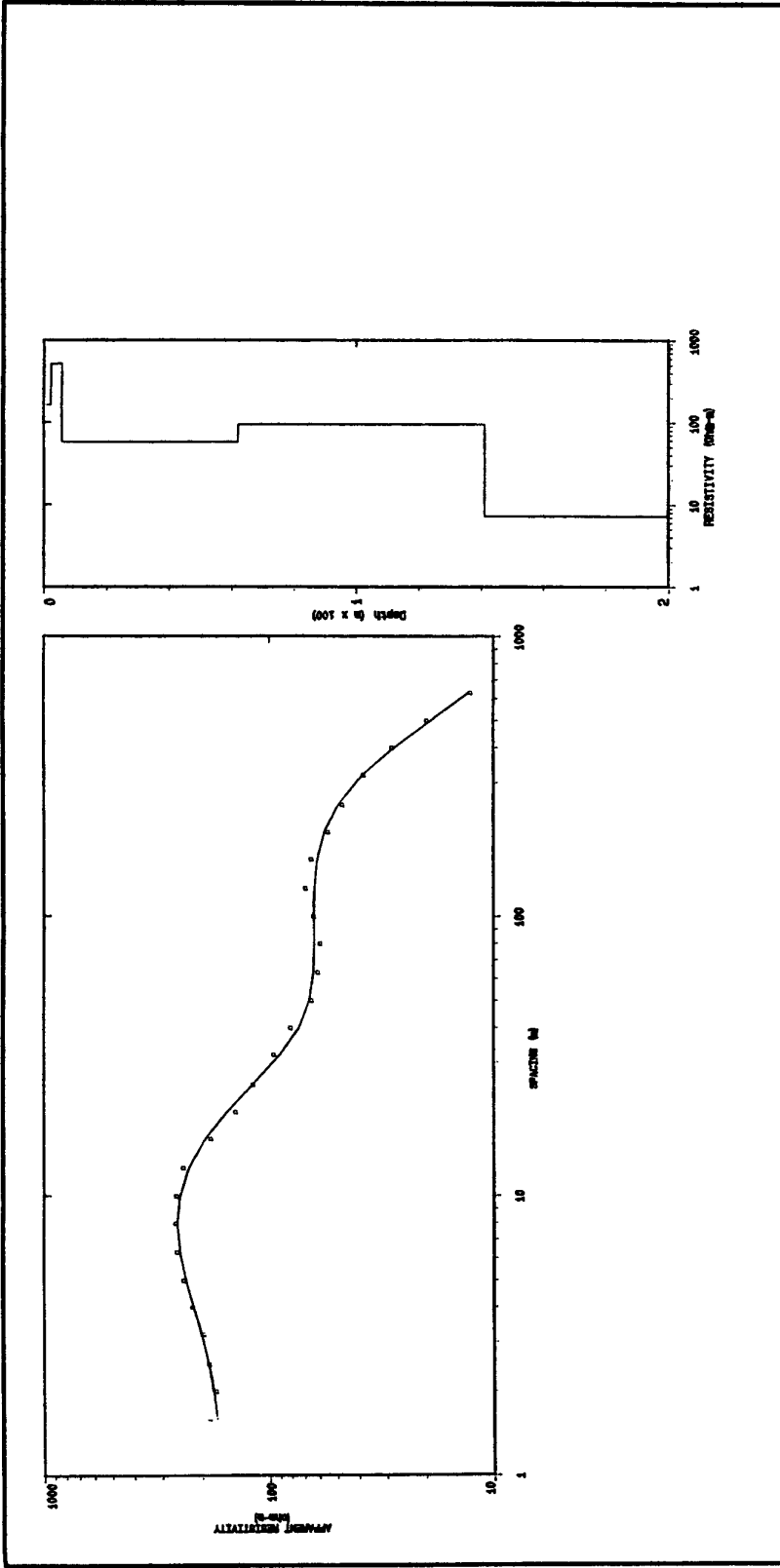
Schlumberger Configuration

FITTING ERROR: 4.699 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANC (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|-------------------------|
| 1 | 165.0 | | 2.10 | 865.0 | 0.0127 |
| 2 | 526.0 | | 3.60 | 862.9 | 0.00684 |
| 3 | 58.00 | | 56.30 | 859.3 | 0.970 |
| 4 | 96.00 | | 79.00 | 803.0 | 0.822 |
| 5 | 7.30 | | | 724.0 | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 164.2 | 152.3 | 7.22 |
| 2 | 2.00 | 154.1 | 157.3 | -2.13 |
| 3 | 2.50 | 164.6 | 165.3 | -0.455 |
| 4 | 3.20 | 174.1 | 178.2 | -2.36 |
| 5 | 4.00 | 195.0 | 192.9 | 1.04 |
| 6 | 5.00 | 213.5 | 208.4 | 2.34 |
| 7 | 6.30 | 227.8 | 221.6 | 2.72 |
| 8 | 8.00 | 231.2 | 227.1 | 1.74 |
| 9 | 10.00 | 229.5 | 221.2 | 3.59 |
| 10 | 12.60 | 213.8 | 202.2 | 5.45 |
| 11 | 12.60 | 218.6 | 206.6 | 5.45 |
| 12 | 16.00 | 165.1 | 174.7 | -5.85 |
| 13 | 20.00 | 128.2 | 139.9 | -9.14 |
| 14 | 25.00 | 106.9 | 107.4 | -0.547 |
| 15 | 32.00 | 86.30 | 80.88 | 6.27 |
| 16 | 40.00 | 72.60 | 66.76 | 8.03 |
| 17 | 50.00 | 58.70 | 59.98 | -2.18 |
| 18 | 50.00 | 72.70 | 74.28 | -2.18 |
| 19 | 63.00 | 67.90 | 71.12 | -4.74 |
| 20 | 80.00 | 66.40 | 70.53 | -6.22 |
| 21 | 100.0 | 71.00 | 70.76 | 0.328 |
| 22 | 126.0 | 77.20 | 70.57 | 8.58 |
| 23 | 160.0 | 72.70 | 68.46 | 5.83 |
| 24 | 200.0 | 61.20 | 63.48 | -3.73 |
| 25 | 200.0 | 54.80 | 56.84 | -3.73 |
| 26 | 250.0 | 47.20 | 49.37 | -4.59 |
| 27 | 320.0 | 37.90 | 38.41 | -1.34 |
| 28 | 400.0 | 28.50 | 27.98 | 1.82 |
| 29 | 500.0 | 19.80 | 19.13 | 3.36 |
| 30 | 630.0 | 12.70 | 12.91 | -1.72 |



| | | | |
|----------------------|---------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: REQ1 | Date: 25-4-90 | Azimuth: N-340 | |
| Equipment: SYSCALRBE | Sounding: 1 | | |

DATA SET: REQ2

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 850.00
 SOUNDING COORDINATES: X: 636700.0000 Y: 4376950.0000

DATE: 20-4-90
 SOUNDING: 2
 AZIMUTH: N-120
 EQUIPMENT: SYSCALR2E

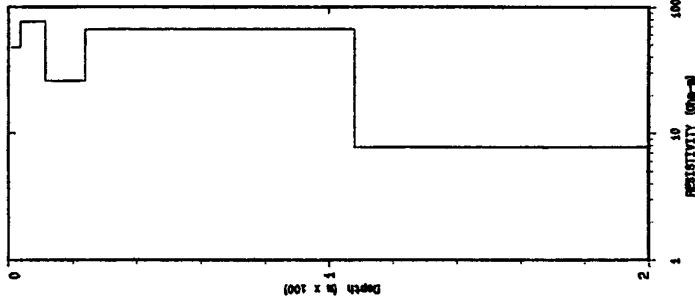
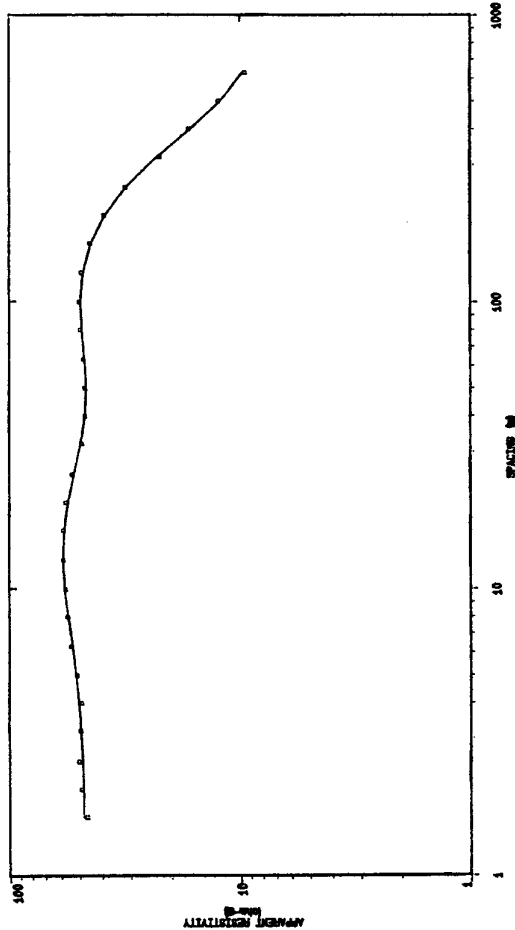
Schlumberger Configuration

FITTING ERROR: 1.591 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 850.0 | |
| 1 | 47.80 | | 3.60 | 846.4 | 0.0753 |
| 2 | 77.00 | | 7.90 | 838.5 | 0.102 |
| 3 | 26.00 | | 12.30 | 826.2 | 0.473 |
| 4 | 67.00 | | 84.20 | 742.0 | 1.25 |
| 5 | 7.80 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 42.70 | 44.07 | -3.21 |
| 2 | 2.00 | 45.10 | 44.24 | 1.89 |
| 3 | 2.50 | 46.20 | 44.55 | 3.56 |
| 4 | 3.20 | 45.40 | 45.16 | 0.526 |
| 5 | 4.00 | 44.80 | 46.07 | -2.83 |
| 6 | 5.00 | 46.90 | 47.41 | -1.09 |
| 7 | 6.30 | 49.80 | 49.23 | 1.14 |
| 8 | 8.00 | 51.50 | 51.30 | 0.386 |
| 9 | 10.00 | 52.60 | 52.95 | -0.673 |
| 10 | 12.60 | 53.80 | 53.82 | -0.412 |
| 11 | 12.60 | 49.90 | 50.10 | -0.412 |
| 12 | 16.00 | 50.00 | 49.62 | 0.742 |
| 13 | 20.00 | 48.90 | 47.84 | 2.15 |
| 14 | 25.00 | 45.80 | 45.12 | 1.46 |
| 15 | 32.00 | 41.50 | 42.02 | -1.27 |
| 16 | 40.00 | 40.20 | 40.16 | 0.0985 |
| 17 | 50.00 | 40.20 | 39.70 | 1.22 |
| 18 | 50.00 | 45.00 | 44.44 | 1.22 |
| 19 | 63.00 | 45.70 | 45.29 | 0.875 |
| 20 | 80.00 | 47.30 | 46.61 | 1.44 |
| 21 | 100.0 | 47.70 | 47.14 | 1.16 |
| 22 | 126.0 | 46.60 | 46.04 | 1.18 |
| 23 | 160.0 | 42.80 | 42.52 | 0.631 |
| 24 | 200.0 | 37.20 | 36.98 | 0.575 |
| 25 | 200.0 | 38.90 | 38.67 | 0.575 |
| 26 | 250.0 | 31.40 | 31.26 | 0.428 |
| 27 | 320.0 | 22.30 | 22.78 | -2.18 |
| 28 | 400.0 | 16.70 | 16.42 | 1.66 |
| 29 | 500.0 | 12.40 | 12.11 | 2.27 |
| 30 | 630.0 | 9.50 | 9.70 | -2.16 |



| | | | |
|----------------------|---------------|----------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA | |
| Data Set: REQ2 | | VALENCIA | |
| Equipment: SYSCALR2E | Date: 20-4-90 | Azimuth: N-120 | |
| Sounding: 2 | | | |

DATA SET: REQ3

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 850.00
 SOUNDING COORDINATES: X: 636050.0000 Y: 4375400.0000

DATE: 25-4-90
 SOUNDING: 3
 AZIMUTH: N-330
 EQUIPMENT: SYSCALR2E

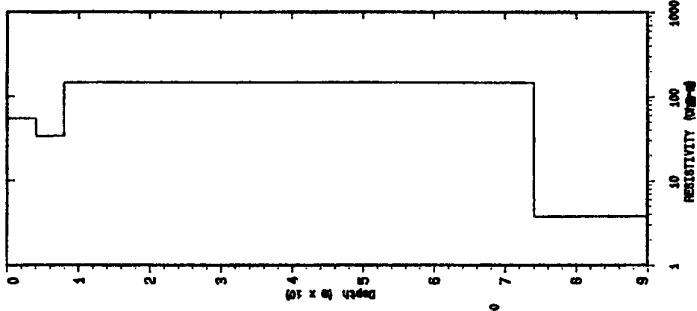
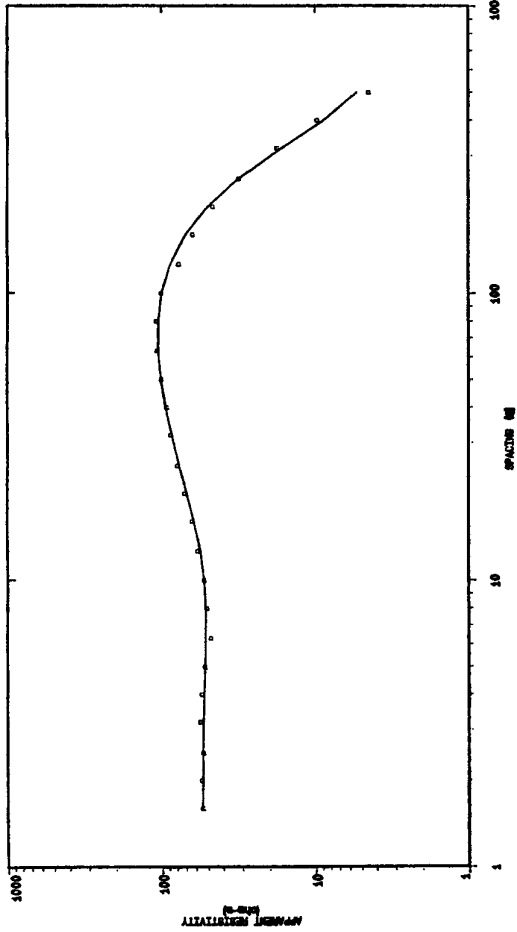
Schlumberger Configuration

FITTING ERROR: 6.260 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 850.0 | |
| 1 | 55.00 | | 4.00 | 846.0 | 0.0727 |
| 2 | 34.00 | | 3.90 | 842.0 | 0.114 |
| 3 | 148.0 | | 66.10 | 776.0 | 0.446 |
| 4 | 3.80 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 49.00 | 49.15 | -0.313 |
| 2 | 2.00 | 49.90 | 49.06 | 1.67 |
| 3 | 2.50 | 48.60 | 48.89 | -0.615 |
| 4 | 3.20 | 50.50 | 48.57 | 3.81 |
| 5 | 4.00 | 49.80 | 48.11 | 3.37 |
| 6 | 5.00 | 47.40 | 47.53 | -0.290 |
| 7 | 6.30 | 43.20 | 46.97 | -8.73 |
| 8 | 8.00 | 45.90 | 46.87 | -2.13 |
| 9 | 10.00 | 47.80 | 47.89 | -0.200 |
| 10 | 12.60 | 52.70 | 50.72 | 3.74 |
| 11 | 12.60 | 55.10 | 53.03 | 3.74 |
| 12 | 16.00 | 60.00 | 58.35 | 2.73 |
| 13 | 20.00 | 67.30 | 65.07 | 3.30 |
| 14 | 25.00 | 74.60 | 72.81 | 2.39 |
| 15 | 32.00 | 82.80 | 81.68 | 1.34 |
| 16 | 40.00 | 87.80 | 89.19 | -1.58 |
| 17 | 50.00 | 94.80 | 95.35 | -0.586 |
| 18 | 50.00 | 102.3 | 102.9 | -0.586 |
| 19 | 63.00 | 108.7 | 107.0 | 1.49 |
| 20 | 80.00 | 110.2 | 106.9 | 2.91 |
| 21 | 100.0 | 102.2 | 101.4 | 0.685 |
| 22 | 126.0 | 78.30 | 89.45 | -14.24 |
| 23 | 160.0 | 63.60 | 70.92 | -11.52 |
| 24 | 200.0 | 47.00 | 50.79 | -8.07 |
| 25 | 200.0 | 46.50 | 50.25 | -8.07 |
| 26 | 250.0 | 31.50 | 31.60 | -0.338 |
| 27 | 320.0 | 17.70 | 16.43 | 7.15 |
| 28 | 400.0 | 9.70 | 8.72 | 10.07 |
| 29 | 500.0 | 4.50 | 5.36 | -19.20 |



| | | | |
|----------------------|---------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: REQ3 | Date: 25-4-90 | Azimuth: N-330 | |
| Equipment: SYSCALP2E | Sounding: 3 | | |

DATA SET: REQ4

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 820.00
 SOUNDING COORDINATES: X: 636800.0000 Y: 4374050.0000

DATE: 26-4-90
 SOUNDING: 4
 AZIMUTH: N-340
 EQUIPMENT: SYSCALR2E

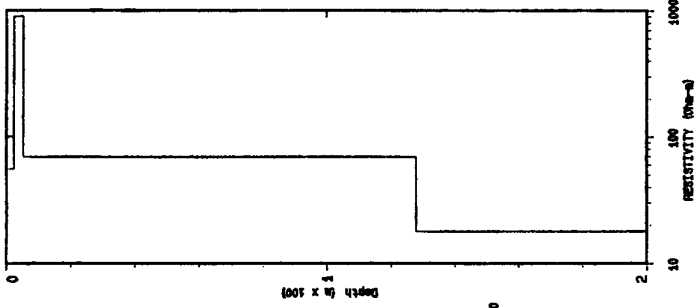
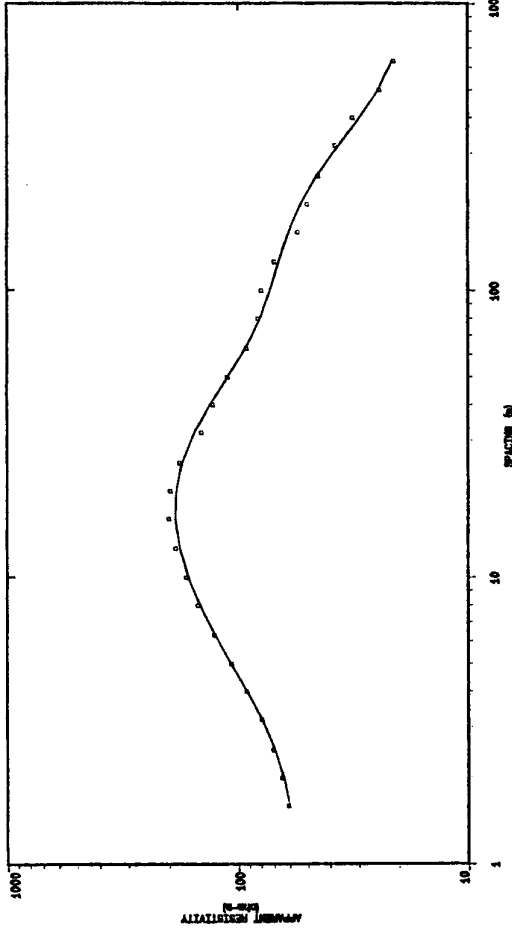
Schlumberger Configuration

FITTING ERROR: 4.321 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 820.0 | |
| 1 | 56.00 | | 2.20 | 817.7 | 0.0392 |
| 2 | 903.0 | | 3.00 | 814.7 | 0.00332 |
| 3 | 70.00 | | 122.8 | 692.0 | 1.75 |
| 4 | 18.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 40.80 | 40.53 | 0.639 |
| 2 | 2.00 | 43.40 | 42.88 | 1.17 |
| 3 | 2.50 | 47.40 | 46.71 | 1.44 |
| 4 | 3.20 | 53.30 | 53.29 | 0.0108 |
| 5 | 4.00 | 61.90 | 61.70 | 0.312 |
| 6 | 5.00 | 71.90 | 72.34 | -0.619 |
| 7 | 6.30 | 85.60 | 85.07 | 0.617 |
| 8 | 8.00 | 100.7 | 98.87 | 1.80 |
| 9 | 10.00 | 113.7 | 110.9 | 2.42 |
| 10 | 12.60 | 125.9 | 120.8 | 4.02 |
| 11 | 12.60 | 139.5 | 133.8 | 4.02 |
| 12 | 16.00 | 149.3 | 139.9 | 6.33 |
| 13 | 20.00 | 147.2 | 139.0 | 5.54 |
| 14 | 25.00 | 133.6 | 131.2 | 1.79 |
| 15 | 32.00 | 107.7 | 115.7 | -7.47 |
| 16 | 40.00 | 95.80 | 98.66 | -2.99 |
| 17 | 50.00 | 82.40 | 82.26 | 0.163 |
| 18 | 50.00 | 95.20 | 95.04 | 0.163 |
| 19 | 63.00 | 79.00 | 79.53 | -0.674 |
| 20 | 80.00 | 70.40 | 68.82 | 2.23 |
| 21 | 100.0 | 68.10 | 62.43 | 8.31 |
| 22 | 126.0 | 59.90 | 57.37 | 4.21 |
| 23 | 160.0 | 47.30 | 51.99 | -9.93 |
| 24 | 200.0 | 43.00 | 45.99 | -6.97 |
| 25 | 200.0 | 50.10 | 53.59 | -6.97 |
| 26 | 250.0 | 44.80 | 45.57 | -1.73 |
| 27 | 320.0 | 37.80 | 36.57 | 3.23 |
| 28 | 400.0 | 31.80 | 29.60 | 6.88 |
| 29 | 500.0 | 24.30 | 24.57 | -1.11 |
| 30 | 630.0 | 21.00 | 21.40 | -1.94 |



| | | | |
|----------------------|---------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: REQ4 | Date: 26-4-90 | Azimuth: N-340 | |
| Equipment: SYSCALR2E | Sounding: 4 | | |

DATA SET: REQ7

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 850.00
 SOUNDING COORDINATES: X: 638100.0000 Y: 4375850.0000

DATE: 20-4-90
 SOUNDING: 7
 AZIMUTH: N-160
 EQUIPMENT: SYSCALR2E

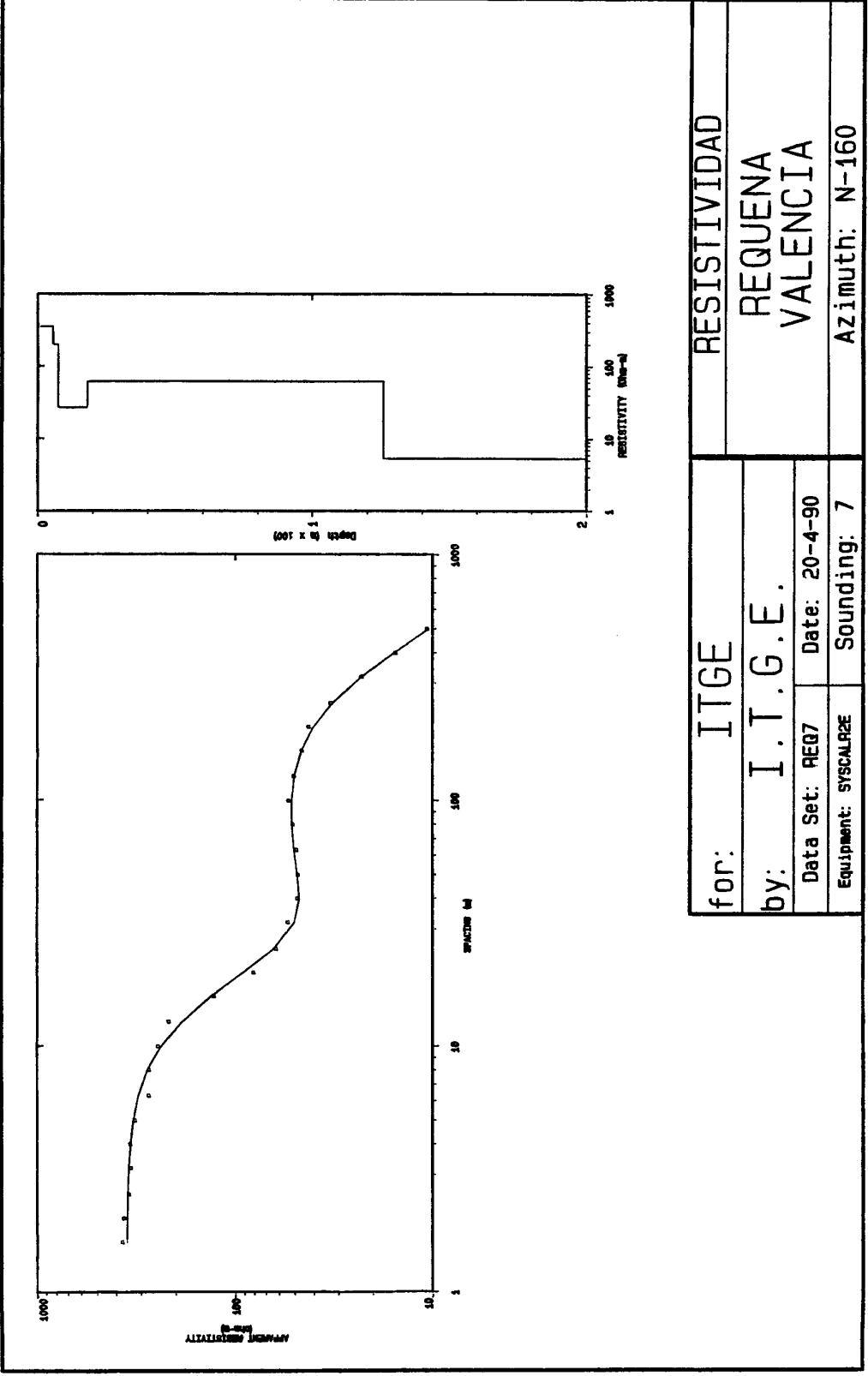
Schlumberger Configuration

FITTING ERROR: 6.157 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 850.0 | |
| 1 | 355.0 | | 5.50 | 844.5 | 0.0154 |
| 2 | 201.0 | | 1.90 | 842.5 | 0.00945 |
| 3 | 27.00 | | 10.60 | 832.0 | 0.392 |
| 4 | 62.00 | | 108.0 | 724.0 | 1.74 |
| 5 | 5.40 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 444.2 | 420.9 | 5.24 |
| 2 | 2.00 | 436.5 | 419.7 | 3.84 |
| 3 | 2.50 | 412.0 | 417.5 | -1.35 |
| 4 | 3.20 | 402.1 | 413.0 | -2.73 |
| 5 | 4.00 | 405.6 | 405.3 | 0.0607 |
| 6 | 5.00 | 383.6 | 391.6 | -2.10 |
| 7 | 6.30 | 325.7 | 368.2 | -13.01 |
| 8 | 8.00 | 324.5 | 330.6 | -1.89 |
| 9 | 10.00 | 292.7 | 282.1 | 3.63 |
| 10 | 12.60 | 259.2 | 221.6 | 14.52 |
| 11 | 12.60 | 239.2 | 204.4 | 14.52 |
| 12 | 16.00 | 141.6 | 145.6 | -2.84 |
| 13 | 20.00 | 89.00 | 100.0 | -12.44 |
| 14 | 25.00 | 68.50 | 70.22 | -2.51 |
| 15 | 32.00 | 59.60 | 55.11 | 7.52 |
| 16 | 40.00 | 53.30 | 52.07 | 2.28 |
| 17 | 50.00 | 52.90 | 53.30 | -0.772 |
| 18 | 50.00 | 48.10 | 48.47 | -0.772 |
| 19 | 63.00 | 48.90 | 50.40 | -3.08 |
| 20 | 80.00 | 51.10 | 51.76 | -1.29 |
| 21 | 100.0 | 53.80 | 51.84 | 3.62 |
| 22 | 126.0 | 50.60 | 50.21 | 0.753 |
| 23 | 160.0 | 45.90 | 46.18 | -0.615 |
| 24 | 200.0 | 42.40 | 40.08 | 5.47 |
| 25 | 200.0 | 42.50 | 40.17 | 5.47 |
| 26 | 250.0 | 32.90 | 32.27 | 1.89 |
| 27 | 320.0 | 23.00 | 22.93 | 0.292 |
| 28 | 400.0 | 15.40 | 15.62 | -1.45 |
| 29 | 500.0 | 10.70 | 10.49 | 1.95 |



| | | | |
|----------------------|--|----------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA | |
| Data Set: REQ7 | | VALENCIA | |
| Equipment: SYSCALR2E | | Azimuth: N-160 | |
| Date: 20-4-90 | | | |
| Sounding: 7 | | | |

DATA SET: REQ6

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 760.00
 SOUNDING COORDINATES: X: 638750.0000 Y: 4372500.0000

DATE: 26-4-90
 SOUNDING: 8
 AZIMUTH: n-290
 EQUIPMENT: SYSCALR2E

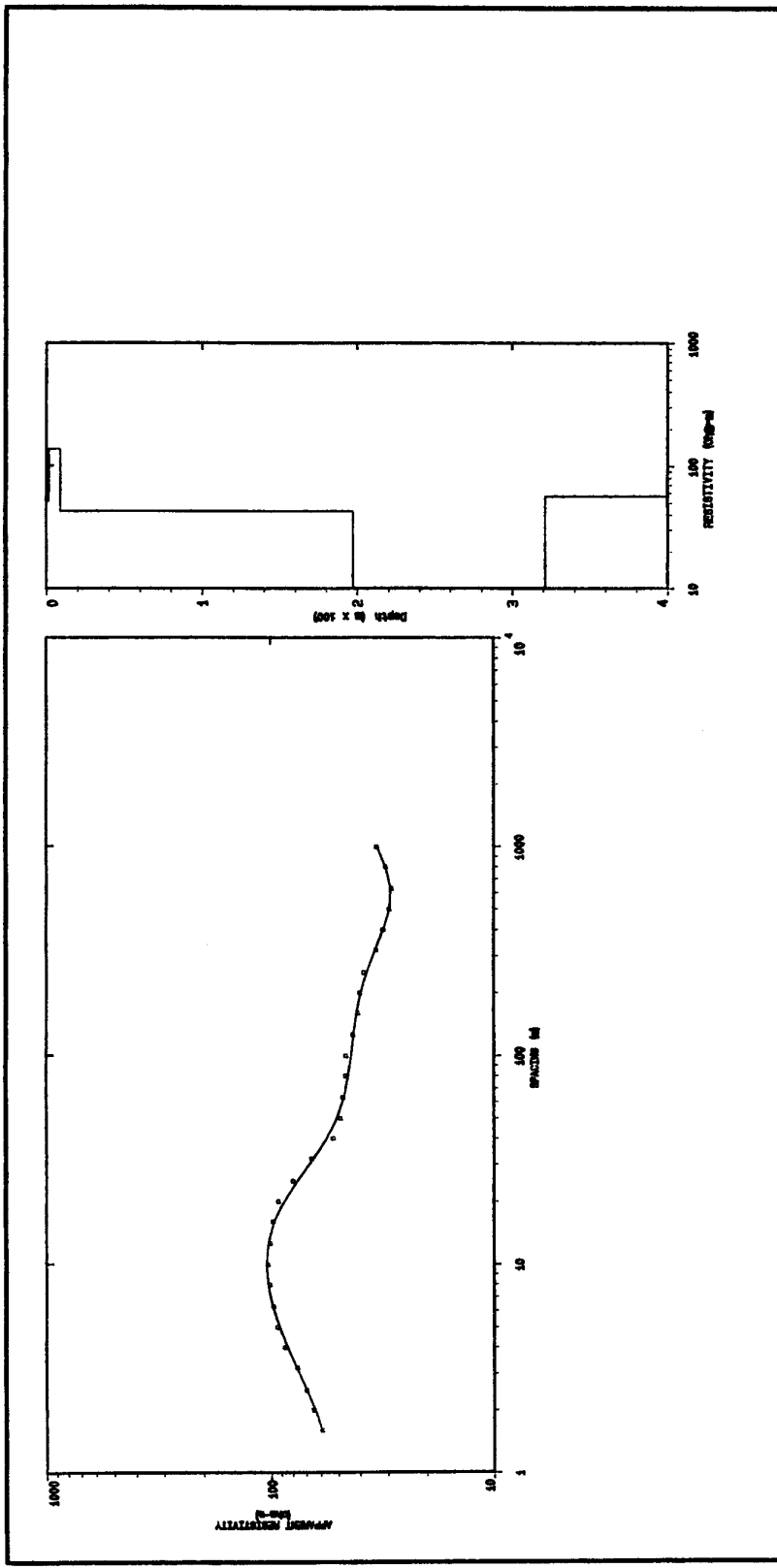
Schlumberger Configuration

FITTING ERROR: 2.509 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 760.0 | |
| 1 | 52.00 | | 1.30 | 758.7 | 0.0250 |
| 2 | 138.0 | | 7.40 | 751.2 | 0.0536 |
| 3 | 43.00 | | 188.3 | 563.0 | 4.37 |
| 4 | 10.20 | | 124.0 | 439.0 | 12.15 |
| 5 | 57.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 46.40 | 46.61 | -0.460 |
| 2 | 2.00 | 50.60 | 50.03 | 1.12 |
| 3 | 2.50 | 54.70 | 54.56 | 0.240 |
| 4 | 3.20 | 60.30 | 60.62 | -0.545 |
| 5 | 4.00 | 68.40 | 66.56 | 2.68 |
| 6 | 5.00 | 73.70 | 72.34 | 1.84 |
| 7 | 6.30 | 76.60 | 77.51 | -1.18 |
| 8 | 8.00 | 79.70 | 81.23 | -1.92 |
| 9 | 10.00 | 81.10 | 82.51 | -1.74 |
| 10 | 12.60 | 79.20 | 80.95 | -2.21 |
| 11 | 12.60 | 93.80 | 95.87 | -2.21 |
| 12 | 16.00 | 91.10 | 89.95 | 1.26 |
| 13 | 20.00 | 86.10 | 81.26 | 5.61 |
| 14 | 25.00 | 74.00 | 70.98 | 4.06 |
| 15 | 32.00 | 61.30 | 60.07 | 2.00 |
| 16 | 40.00 | 49.00 | 52.26 | -6.67 |
| 17 | 50.00 | 45.40 | 46.97 | -3.46 |
| 18 | 50.00 | 46.00 | 47.59 | -3.46 |
| 19 | 63.00 | 44.80 | 44.28 | 1.14 |
| 20 | 80.00 | 43.60 | 42.36 | 2.82 |
| 21 | 100.0 | 43.40 | 41.21 | 5.03 |
| 22 | 126.0 | 40.40 | 40.15 | 0.596 |
| 23 | 160.0 | 38.30 | 38.86 | -1.49 |
| 24 | 200.0 | 37.60 | 37.23 | 0.962 |
| 25 | 200.0 | 38.80 | 38.42 | 0.962 |
| 26 | 250.0 | 37.20 | 36.16 | 2.77 |
| 27 | 320.0 | 32.80 | 33.12 | -0.980 |
| 28 | 400.0 | 30.50 | 30.41 | 0.280 |
| 29 | 500.0 | 28.70 | 28.57 | 0.437 |
| 30 | 630.0 | 28.10 | 28.28 | -0.646 |
| 31 | 630.0 | 28.90 | 29.08 | -0.646 |
| 32 | 800.0 | 30.70 | 30.66 | 0.104 |
| 33 | 1000.0 | 33.60 | 33.39 | 0.608 |



| | | | |
|-----------------------|---------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: RE08 | Date: 26-4-90 | Azimuth: n-290 | |
| Equipment: SYSCALPZEE | Sounding: 8 | | |

DATA SET: REQ16

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 685.00
 SOUNDING COORDINATES: X: 645000.0000 Y: 4371200.0000

DATE: 13-11-89
 SOUNDING: 16
 AZIMUTH: E-20 -S
 EQUIPMENT: SYSCALR2E

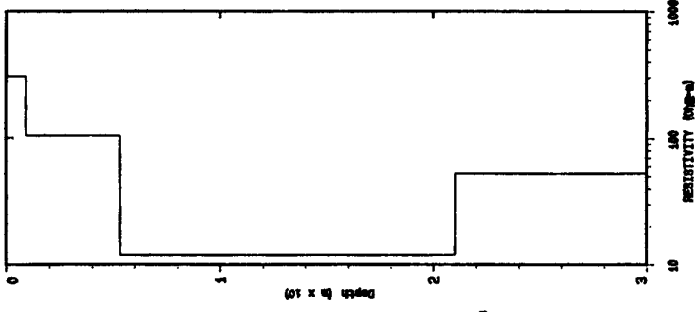
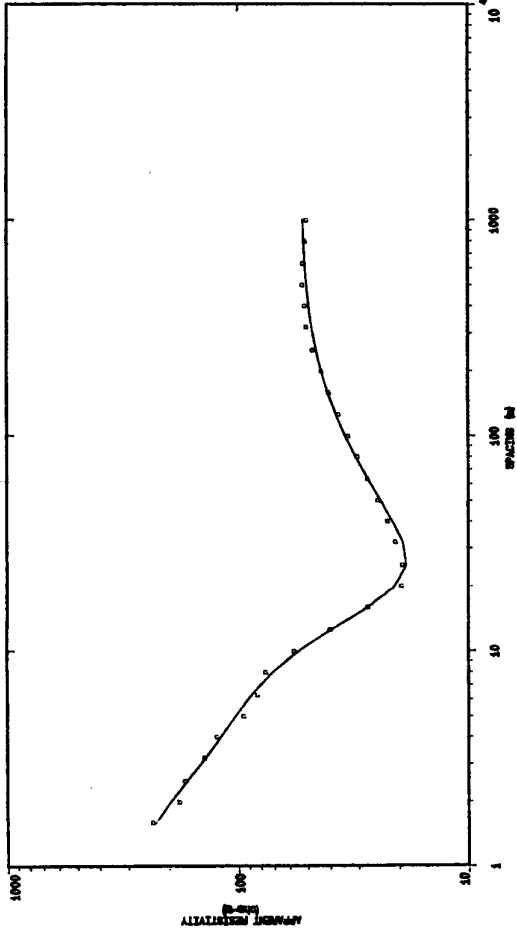
Schlumberger Configuration

FITTING ERROR: 4.244 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| 1 | 310.0 | | 0.900 | 685.0 | |
| 2 | 105.0 | | 4.40 | 684.0 | 0.00290 |
| 3 | 12.00 | | 15.70 | 679.6 | 0.0419 |
| 4 | 53.00 | | | 663.9 | 1.30 |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 266.8 | 258.2 | 3.25 |
| 2 | 2.00 | 204.6 | 223.6 | -9.33 |
| 3 | 2.50 | 193.8 | 189.5 | 2.20 |
| 4 | 3.20 | 159.3 | 157.2 | 1.37 |
| 5 | 4.00 | 140.8 | 134.5 | 4.48 |
| 6 | 5.00 | 107.4 | 116.5 | -8.49 |
| 7 | 6.30 | 93.80 | 99.35 | -5.92 |
| 8 | 8.00 | 86.60 | 80.59 | 6.93 |
| 9 | 10.00 | 64.90 | 62.16 | 4.20 |
| 10 | 12.60 | 45.20 | 44.52 | 1.49 |
| 11 | 12.60 | 44.00 | 43.34 | 1.49 |
| 12 | 16.00 | 30.30 | 30.03 | 0.868 |
| 13 | 20.00 | 21.50 | 22.96 | -6.82 |
| 14 | 25.00 | 21.30 | 20.45 | 3.97 |
| 15 | 32.00 | 22.80 | 21.15 | 7.21 |
| 16 | 40.00 | 24.70 | 23.48 | 4.93 |
| 17 | 50.00 | 27.30 | 26.59 | 2.57 |
| 18 | 50.00 | 25.30 | 24.64 | 2.57 |
| 19 | 63.00 | 28.10 | 28.03 | 0.235 |
| 20 | 80.00 | 31.10 | 31.71 | -1.97 |
| 21 | 100.0 | 34.10 | 35.15 | -3.09 |
| 22 | 126.0 | 37.50 | 38.58 | -2.88 |
| 23 | 160.0 | 41.40 | 41.85 | -1.10 |
| 24 | 200.0 | 44.50 | 44.57 | -0.165 |
| 25 | 200.0 | 42.10 | 42.16 | -0.165 |
| 26 | 250.0 | 45.90 | 44.37 | 3.33 |
| 27 | 320.0 | 48.90 | 46.34 | 5.22 |
| 28 | 400.0 | 49.70 | 47.73 | 3.95 |
| 29 | 500.0 | 51.00 | 48.78 | 4.34 |
| 30 | 630.0 | 50.60 | 49.56 | 2.03 |
| 31 | 630.0 | 52.40 | 51.33 | 2.03 |
| 32 | 800.0 | 51.20 | 51.91 | -1.39 |
| 33 | 1000.0 | 50.50 | 52.28 | -3.53 |



| | | | |
|----------------------|----------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: REQ16 | Date: 13-11-89 | Azimuth: E-20 -S | |
| Equipment: SYSCALP2E | Sounding: 16 | | |

DATA SET: 17

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 700.00
 SOUNDING COORDINATES: X: 644600.0000 Y: 4370500.0000

DATE: 13-11-89
 SOUNDING: 17
 AZIMUTH: E-35 -S
 EQUIPMENT: SYSCALR2E

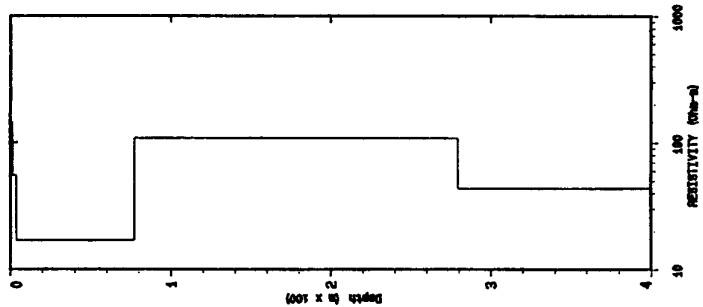
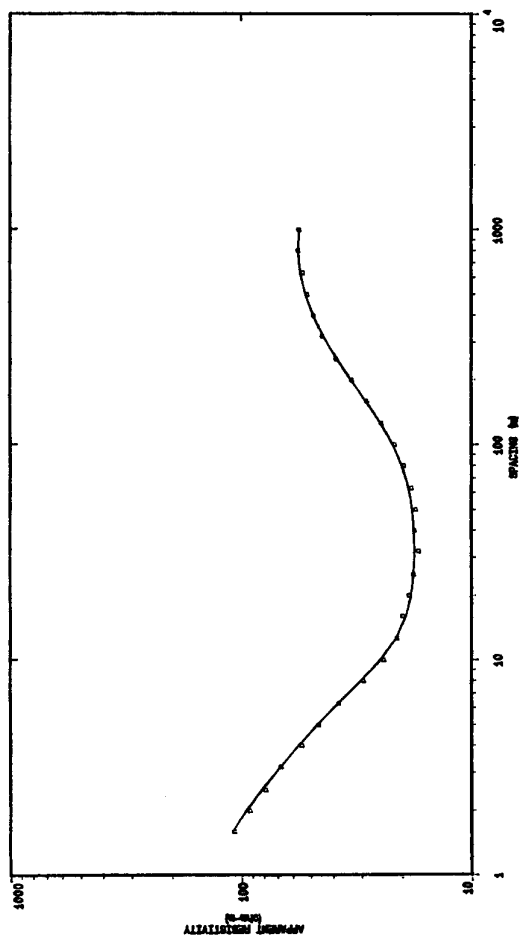
Schlumberger Configuration

FITTING ERROR: 2.233 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 700.0 | |
| 1 | 145.0 | | 0.900 | 699.0 | 0.00621 |
| 2 | 56.00 | | 2.40 | 696.6 | 0.0428 |
| 3 | 17.00 | | 73.70 | 622.9 | 4.33 |
| 4 | 109.0 | | 202.0 | 420.9 | 1.85 |
| 5 | 44.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 109.2 | 111.3 | -1.92 |
| 2 | 2.00 | 93.50 | 97.44 | -4.22 |
| 3 | 2.50 | 80.00 | 83.18 | -3.98 |
| 4 | 3.20 | 68.60 | 68.71 | -0.166 |
| 5 | 4.00 | 55.70 | 57.42 | -3.10 |
| 6 | 5.00 | 47.00 | 47.58 | -1.24 |
| 7 | 6.30 | 38.50 | 38.58 | -0.208 |
| 8 | 8.00 | 30.10 | 30.74 | -2.15 |
| 9 | 10.00 | 24.50 | 25.25 | -3.09 |
| 10 | 12.60 | 21.40 | 21.57 | -0.826 |
| 11 | 12.60 | 21.40 | 21.57 | -0.826 |
| 12 | 16.00 | 20.20 | 19.50 | 3.45 |
| 13 | 20.00 | 19.00 | 18.54 | 2.37 |
| 14 | 25.00 | 18.10 | 18.09 | 0.0130 |
| 15 | 32.00 | 17.20 | 17.92 | -4.19 |
| 16 | 40.00 | 17.90 | 17.99 | -0.533 |
| 17 | 50.00 | 17.70 | 18.32 | -3.52 |
| 18 | 50.00 | 17.70 | 18.32 | -3.52 |
| 19 | 63.00 | 18.50 | 19.03 | -2.89 |
| 20 | 80.00 | 20.00 | 20.35 | -1.78 |
| 21 | 100.0 | 21.90 | 22.34 | -2.02 |
| 22 | 126.0 | 25.10 | 25.33 | -0.931 |
| 23 | 160.0 | 29.00 | 29.44 | -1.55 |
| 24 | 200.0 | 33.80 | 34.07 | -0.817 |
| 25 | 200.0 | 33.30 | 33.57 | -0.817 |
| 26 | 250.0 | 38.80 | 38.59 | 0.531 |
| 27 | 320.0 | 44.60 | 44.26 | 0.761 |
| 28 | 400.0 | 48.70 | 49.02 | -0.666 |
| 29 | 500.0 | 51.80 | 52.96 | -2.25 |
| 30 | 630.0 | 54.30 | 55.71 | -2.61 |
| 31 | 630.0 | 54.30 | 55.71 | -2.61 |
| 32 | 800.0 | 56.70 | 56.82 | -0.214 |
| 33 | 1000.0 | 56.30 | 56.27 | 0.0499 |



| | | | |
|----------------------|----------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: 17 | Date: 13-11-89 | Azimuth: E-35 -S | |
| Equipment: SYSCALIRE | Sounding: 17 | | |

DATA SET: REQ18

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 840.00
 SOUNDING COORDINATES: X: 646500.0000 Y: 4390600.0000

DATE: 12-3-90
 SOUNDING: 18
 AZIMUTH: N-130
 EQUIPMENT: SYSCALR2E

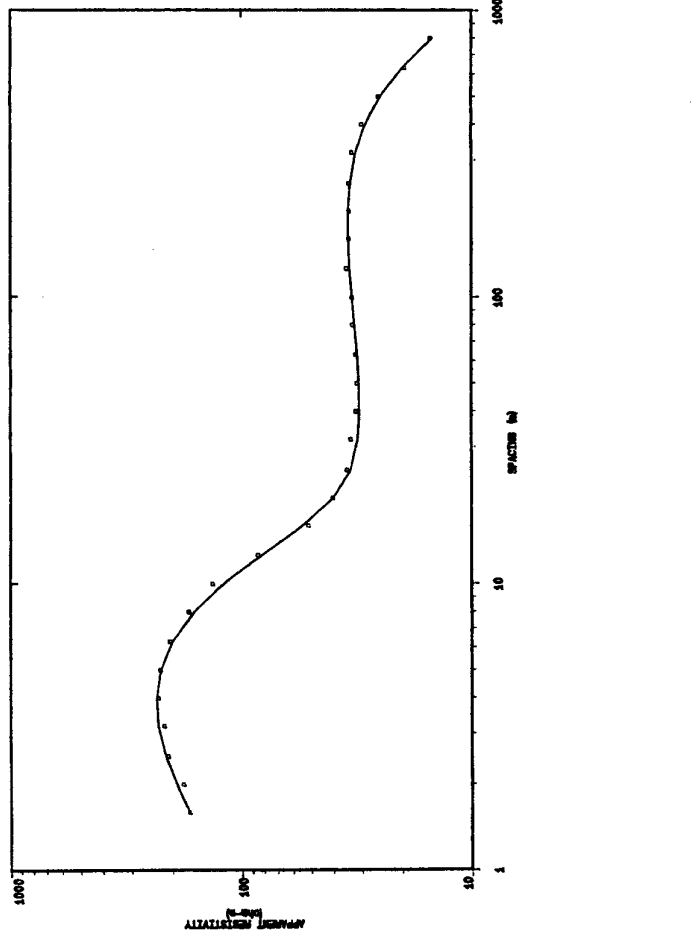
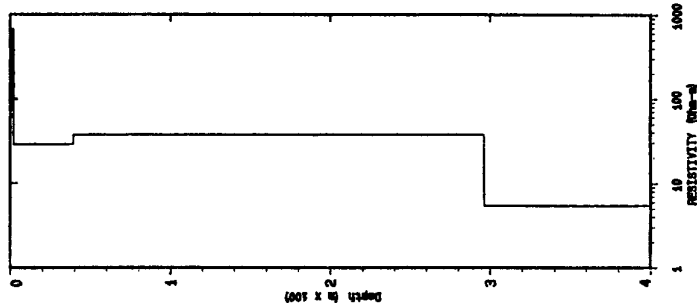
Schlumberger Configuration

FITTING ERROR: 3.765 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 840.0 | |
| 1 | 72.00 | | 0.500 | 839.5 | 0.00694 |
| 2 | 687.0 | | 1.40 | 838.0 | 0.00204 |
| 3 | 29.00 | | 37.10 | 801.0 | 1.27 |
| 4 | 38.00 | | 257.0 | 544.0 | 6.76 |
| 5 | 5.50 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|---------|----------------------|-------------------------|
| 1 | 1.60 | 150.7 | 150.4 | 0.194 |
| 2 | 2.00 | 160.0 | 171.5 | -7.24 |
| 3 | 2.50 | 186.2 | 190.5 | -2.36 |
| 4 | 3.20 | 193.3 | 205.2 | -6.16 |
| 5 | 4.00 | 205.0 | 208.8 | -1.87 |
| 6 | 5.00 | 201.0 | 200.3 | 0.305 |
| 7 | 6.30 | 182.1 | 178.0 | 2.24 |
| 8 | 8.00 | 151.0 | 143.2 | 5.10 |
| 9 | 10.00 | 118.6 | 106.6 | 10.04 |
| 10 | 12.60 | 75.50 | 72.73 | 3.66 |
| 11 | 12.60 | 80.40 | 77.45 | 3.66 |
| 12 | 16.00 | 48.50 | 51.15 | -5.48 |
| 13 | 20.00 | 37.80 | 37.62 | 0.455 |
| 14 | 25.00 | 32.90 | 31.69 | 3.65 |
| 15 | 32.00 | 31.70 | 29.55 | 6.76 |
| 16 | 40.00 | 30.00 | 29.11 | 2.96 |
| 17 | 50.00 | 29.70 | 29.21 | 1.62 |
| 18 | 50.00 | 29.30 | 28.82 | 1.62 |
| 19 | 63.00 | 29.70 | 29.30 | 1.34 |
| 20 | 80.00 | 30.70 | 30.06 | 2.07 |
| 21 | 100.0 | 30.80 | 30.85 | -0.192 |
| 22 | 126.0 | 32.60 | 31.60 | 3.05 |
| 23 | 160.0 | 31.80 | 32.09 | -0.924 |
| 24 | 200.0 | 31.80 | 32.10 | -0.956 |
| 25 | 200.0 | 32.00 | 32.30 | -0.956 |
| 26 | 250.0 | 32.10 | 31.66 | 1.34 |
| 27 | 320.0 | 31.10 | 29.93 | 3.74 |
| 28 | 400.0 | 28.20 | 27.22 | 3.45 |
| 29 | 500.0 | 23.80 | 23.41 | 1.60 |
| 30 | 630.0 | 18.30 | 18.70 | -2.22 |
| 31 | 630.0 | 19.50 | 19.93 | -2.22 |
| 32 | 800.0 | 15.10 | 14.76 | 2.19 |



| | | | |
|----------------------|---------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: REQ18 | Date: 12-3-90 | Azimuth: N-130 | |
| Equipment: SYSCALR2E | Sounding: 18 | | |

DATA SET: REQ19

| | |
|--|----------------------|
| CLIENT: ITGE | DATE: 19-4-90 |
| LOCATION: REQUENA | SOUNDING: 19 |
| COUNTY: VALENCIA | AZIMUTH: N-130 |
| PROJECT: RESISTIVIDAD | EQUIPMENT: SYSCALR2E |
| ELEVATION: 810.00 | |
| SOUNDING COORDINATES: X: 646100.0000 Y: 4387800.0000 | |

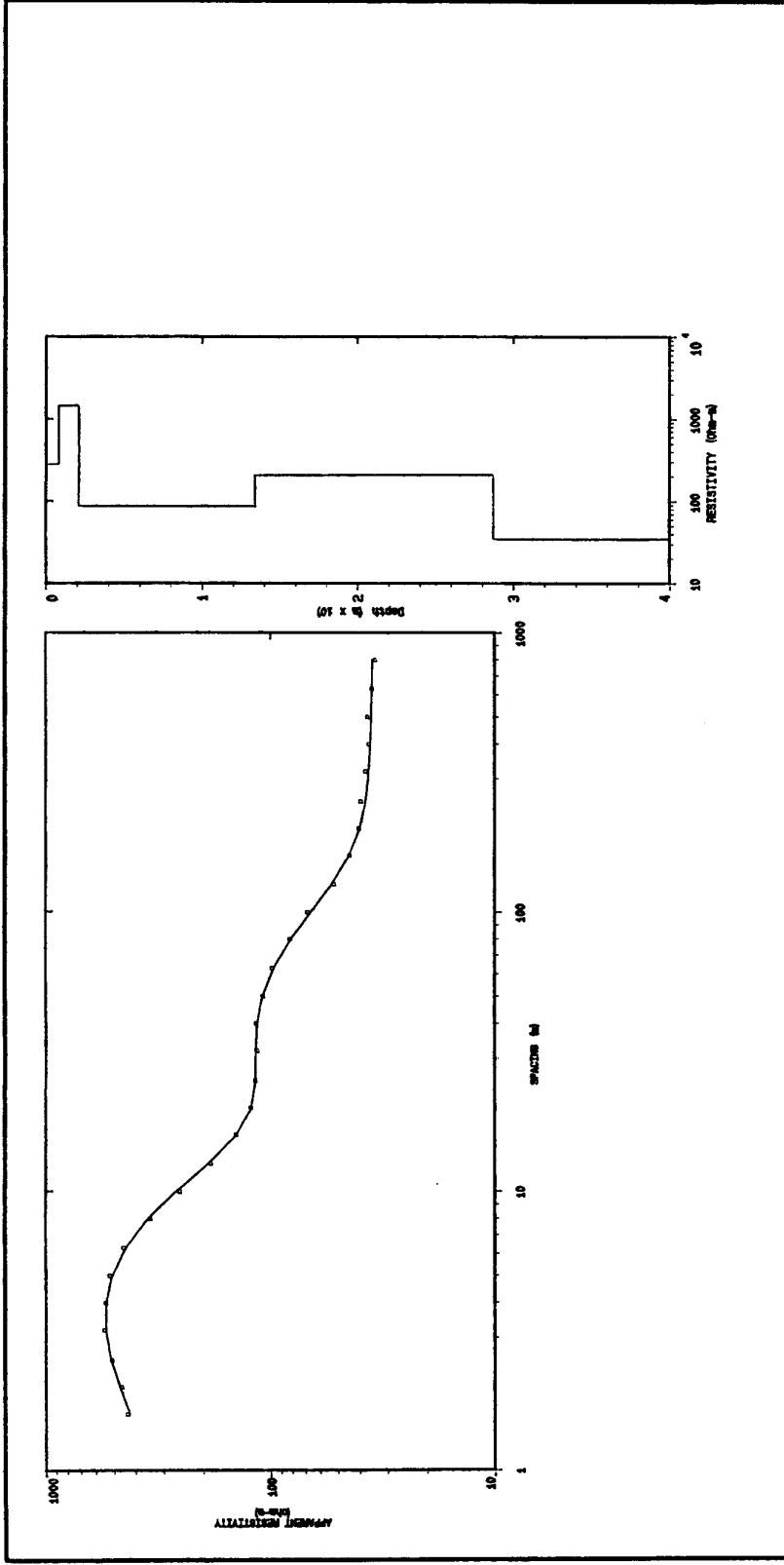
Schlumberger Configuration

FITTING ERROR: 2.107 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 810.0 | |
| 1 | 286.0 | | 0.800 | 809.2 | 0.00280 |
| 2 | 1470.0 | | 1.30 | 807.9 | 8.844E-04 |
| 3 | 88.00 | | 11.30 | 796.6 | 0.128 |
| 4 | 211.0 | | 15.30 | 781.3 | 0.0725 |
| 5 | 35.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 438.0 | 427.1 | 2.48 |
| 2 | 2.00 | 464.5 | 474.3 | -2.12 |
| 3 | 2.50 | 512.5 | 516.7 | -0.802 |
| 4 | 3.20 | 553.5 | 545.3 | 1.46 |
| 5 | 4.00 | 545.9 | 544.3 | 0.283 |
| 6 | 5.00 | 524.0 | 511.4 | 2.41 |
| 7 | 6.30 | 454.6 | 444.7 | 2.17 |
| 8 | 8.00 | 345.2 | 352.5 | -2.09 |
| 9 | 10.00 | 254.5 | 264.1 | -3.78 |
| 10 | 12.60 | 186.2 | 189.7 | -1.90 |
| 11 | 12.60 | 193.1 | 196.7 | -1.90 |
| 12 | 16.00 | 148.3 | 147.3 | 0.686 |
| 13 | 20.00 | 127.5 | 126.7 | 0.568 |
| 14 | 25.00 | 121.5 | 121.2 | 0.220 |
| 15 | 32.00 | 119.1 | 121.0 | -1.60 |
| 16 | 40.00 | 120.3 | 119.2 | 0.909 |
| 17 | 50.00 | 112.3 | 112.7 | -0.413 |
| 18 | 50.00 | 112.7 | 113.1 | -0.413 |
| 19 | 63.00 | 102.9 | 101.0 | 1.75 |
| 20 | 80.00 | 85.60 | 84.77 | 0.968 |
| 21 | 100.0 | 71.60 | 69.15 | 3.40 |
| 22 | 126.0 | 54.50 | 55.75 | -2.30 |
| 23 | 160.0 | 46.30 | 46.48 | -0.394 |
| 24 | 200.0 | 42.00 | 41.65 | 0.829 |
| 25 | 200.0 | 40.50 | 40.16 | 0.829 |
| 26 | 250.0 | 39.80 | 37.83 | 4.93 |
| 27 | 320.0 | 37.90 | 36.62 | 3.36 |
| 28 | 400.0 | 36.60 | 36.06 | 1.45 |
| 29 | 500.0 | 37.10 | 35.74 | 3.64 |
| 30 | 630.0 | 35.50 | 35.54 | -0.137 |
| 31 | 630.0 | 35.30 | 35.34 | -0.137 |
| 32 | 800.0 | 34.20 | 35.22 | -2.99 |



| | | | |
|----------------------|---------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: REQ19 | Date: 19-4-90 | | |
| Equipment: SYSCALR2E | Sounding: 19 | Azimuth: N-130 | |

DATA SET: 20

| | |
|--|----------------------|
| CLIENT: ITGE | DATE: 7-3-90 |
| LOCATION: REQUENA | SOUNDING: 20 |
| COUNTY: VALENCIA | AZIMUTH: N-135 |
| PROJECT: RESISTIVIDAD | EQUIPMENT: SYSCALR2E |
| ELEVATION: 800.00 | |
| SOUNDING COORDINATES: X: 646975.0000 Y: 4386100.0000 | |

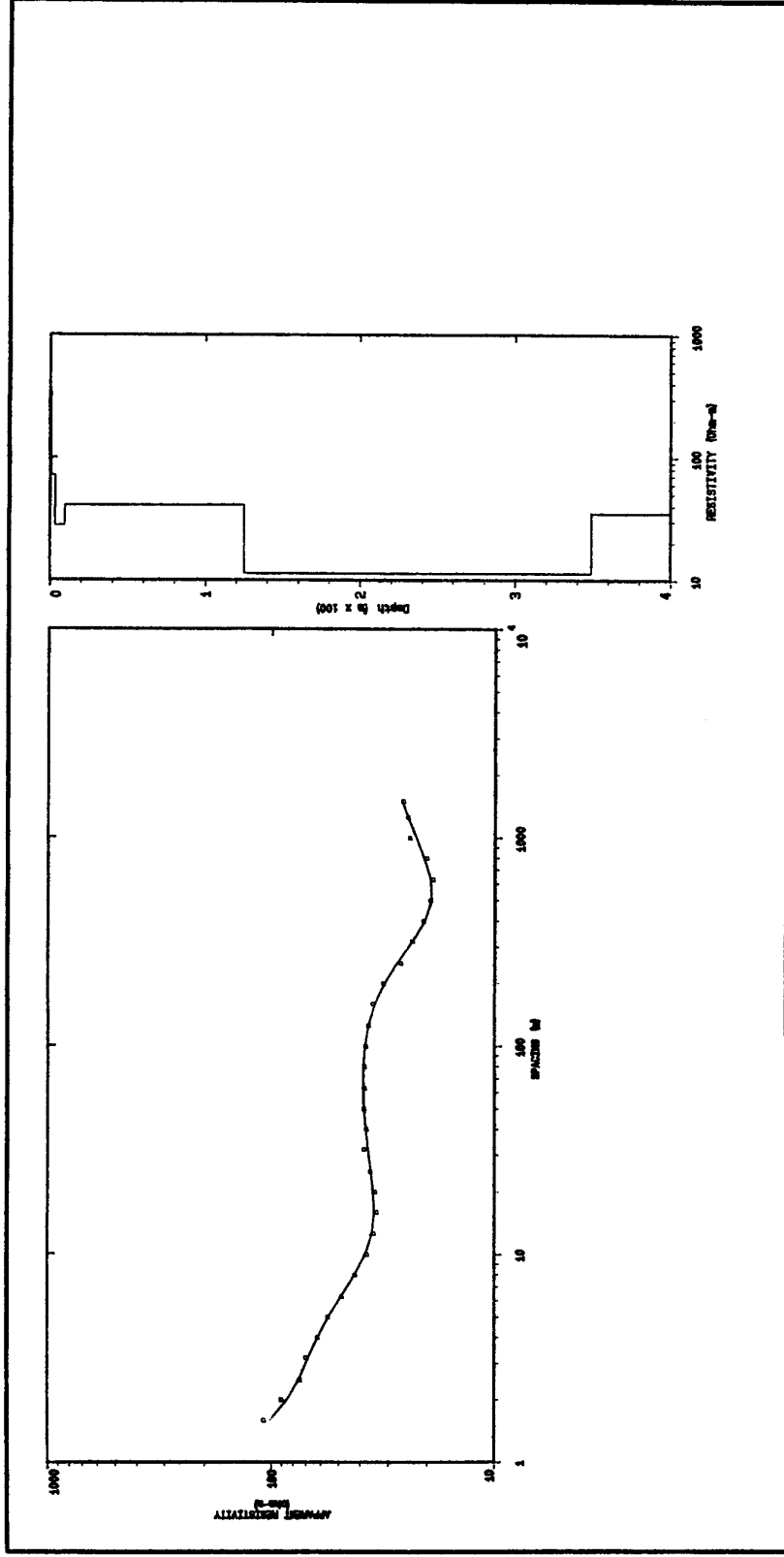
Schlumberger Configuration

FITTING ERROR: 2.490 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 800.0 | |
| 1 | 365.0 | | 0.400 | 799.5 | 0.00110 |
| 2 | 72.00 | | 2.60 | 797.0 | 0.0361 |
| 3 | 28.00 | | 6.60 | 790.4 | 0.235 |
| 4 | 41.00 | | 115.4 | 675.0 | 2.81 |
| 5 | 11.40 | | 224.0 | 451.0 | 19.64 |
| 6 | 35.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|---------|-------------------------|-------------------------|
| 1 | 1.60 | 91.50 | 85.77 | 6.25 |
| 2 | 2.00 | 75.90 | 71.87 | 5.30 |
| 3 | 2.50 | 63.00 | 63.80 | -1.27 |
| 4 | 3.20 | 59.30 | 57.73 | 2.64 |
| 5 | 4.00 | 52.60 | 52.58 | 0.0306 |
| 6 | 5.00 | 47.20 | 47.02 | 0.361 |
| 7 | 6.30 | 40.80 | 41.13 | -0.815 |
| 8 | 8.00 | 35.60 | 35.72 | -0.354 |
| 9 | 10.00 | 31.50 | 32.03 | -1.70 |
| 10 | 12.60 | 29.40 | 29.89 | -1.69 |
| 11 | 12.60 | 34.70 | 35.28 | -1.69 |
| 12 | 16.00 | 33.70 | 34.52 | -2.44 |
| 13 | 20.00 | 34.20 | 34.91 | -2.08 |
| 14 | 25.00 | 36.00 | 35.80 | 0.534 |
| 15 | 32.00 | 38.40 | 36.92 | 3.85 |
| 16 | 40.00 | 37.40 | 37.80 | -1.08 |
| 17 | 50.00 | 38.40 | 38.46 | -0.171 |
| 18 | 50.00 | 34.30 | 34.35 | -0.171 |
| 19 | 63.00 | 34.20 | 34.68 | -1.41 |
| 20 | 80.00 | 34.20 | 34.62 | -1.24 |
| 21 | 100.0 | 33.70 | 34.07 | -1.12 |
| 22 | 126.0 | 32.80 | 32.85 | -0.162 |
| 23 | 160.0 | 31.40 | 30.71 | 2.19 |
| 24 | 200.0 | 28.20 | 27.87 | 1.15 |
| 25 | 200.0 | 26.30 | 25.99 | 1.15 |
| 26 | 250.0 | 22.00 | 22.84 | -3.81 |
| 27 | 320.0 | 19.50 | 19.40 | 0.476 |
| 28 | 400.0 | 17.30 | 17.07 | 1.27 |
| 29 | 500.0 | 16.10 | 15.95 | 0.896 |
| 30 | 630.0 | 15.70 | 16.09 | -2.48 |
| 31 | 630.0 | 18.90 | 19.36 | -2.48 |
| 32 | 800.0 | 20.10 | 20.74 | -3.21 |
| 33 | 1000.0 | 24.10 | 22.59 | 6.24 |
| 34 | 1260.0 | 24.60 | 24.66 | -0.262 |



| | | | |
|----------------------|--------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: 20 | Date: 7-3-90 | Azimuth: N-135 | |
| Equipment: SYSCALP2E | Sounding: 20 | | |

DATA SET: REQ21

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 820.00
 SOUNDING COORDINATES: X: 646350.0000 Y: 4380500.0000

DATE: 15-3-90
 SOUNDING: 21
 AZIMUTH: N-100
 EQUIPMENT: GEOTRON

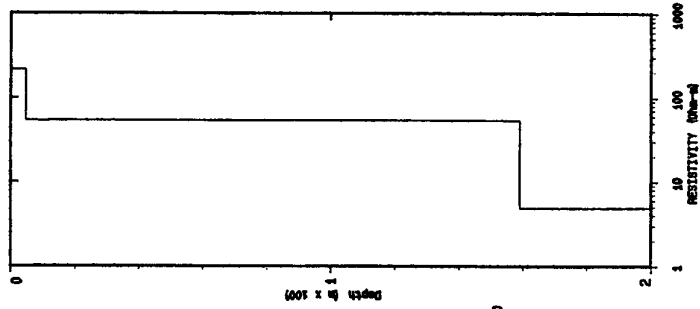
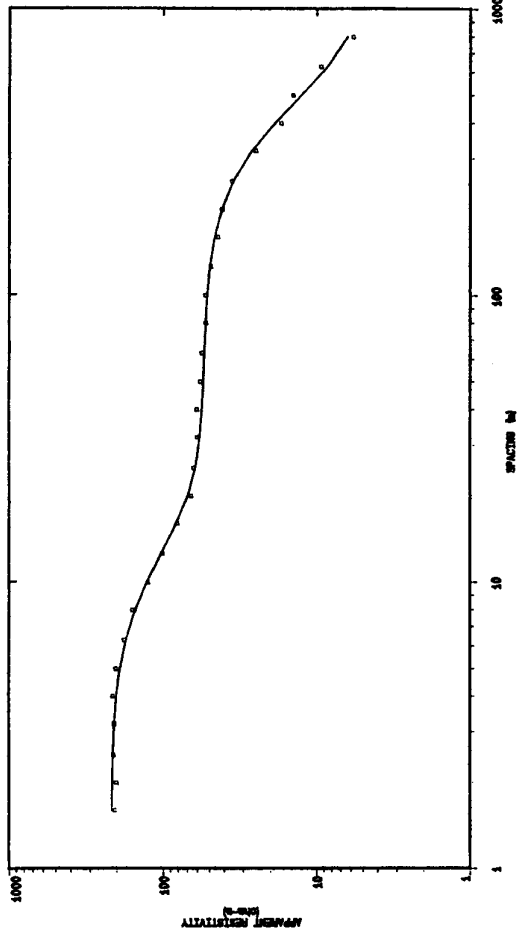
Schlumberger Configuration

FITTING ERROR: 5.479 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 820.0 | |
| 1 | 218.0 | | 4.60 | 815.4 | 0.0211 |
| 2 | 54.00 | | 154.3 | 661.0 | 2.85 |
| 3 | 4.90 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 149.2 | 155.7 | -4.40 |
| 2 | 2.00 | 145.6 | 155.0 | -6.45 |
| 3 | 2.50 | 152.1 | 153.5 | -0.952 |
| 4 | 3.20 | 150.2 | 150.5 | -0.202 |
| 5 | 4.00 | 153.2 | 145.6 | 4.93 |
| 6 | 5.00 | 146.3 | 137.8 | 5.77 |
| 7 | 6.30 | 129.2 | 125.8 | 2.56 |
| 8 | 8.00 | 113.6 | 109.3 | 3.73 |
| 9 | 10.00 | 89.80 | 91.63 | -2.04 |
| 10 | 12.60 | 72.60 | 73.84 | -1.71 |
| 11 | 12.60 | 79.80 | 81.16 | -1.71 |
| 12 | 16.00 | 64.00 | 64.94 | -1.47 |
| 13 | 20.00 | 52.20 | 54.83 | -5.05 |
| 14 | 25.00 | 50.30 | 49.02 | 2.52 |
| 15 | 32.00 | 47.50 | 45.81 | 3.54 |
| 16 | 40.00 | 47.90 | 44.36 | 7.37 |
| 17 | 50.00 | 45.40 | 43.49 | 4.18 |
| 18 | 50.00 | 45.80 | 43.88 | 4.18 |
| 19 | 63.00 | 44.80 | 43.20 | 3.56 |
| 20 | 80.00 | 42.10 | 42.45 | -0.852 |
| 21 | 100.0 | 42.40 | 41.45 | 2.22 |
| 22 | 126.0 | 39.20 | 39.79 | -1.51 |
| 23 | 160.0 | 35.20 | 37.02 | -5.17 |
| 24 | 200.0 | 33.00 | 33.13 | -0.408 |
| 25 | 200.0 | 37.00 | 37.15 | -0.408 |
| 26 | 250.0 | 31.70 | 31.29 | 1.26 |
| 27 | 320.0 | 22.30 | 23.65 | -6.05 |
| 28 | 400.0 | 15.30 | 16.82 | -9.97 |
| 29 | 500.0 | 12.80 | 11.29 | 11.76 |
| 30 | 630.0 | 8.40 | 7.56 | 9.90 |
| 31 | 630.0 | 9.40 | 8.46 | 9.90 |
| 32 | 800.0 | 5.80 | 6.30 | -8.73 |



for: ITGE

by: I.T.G.E.

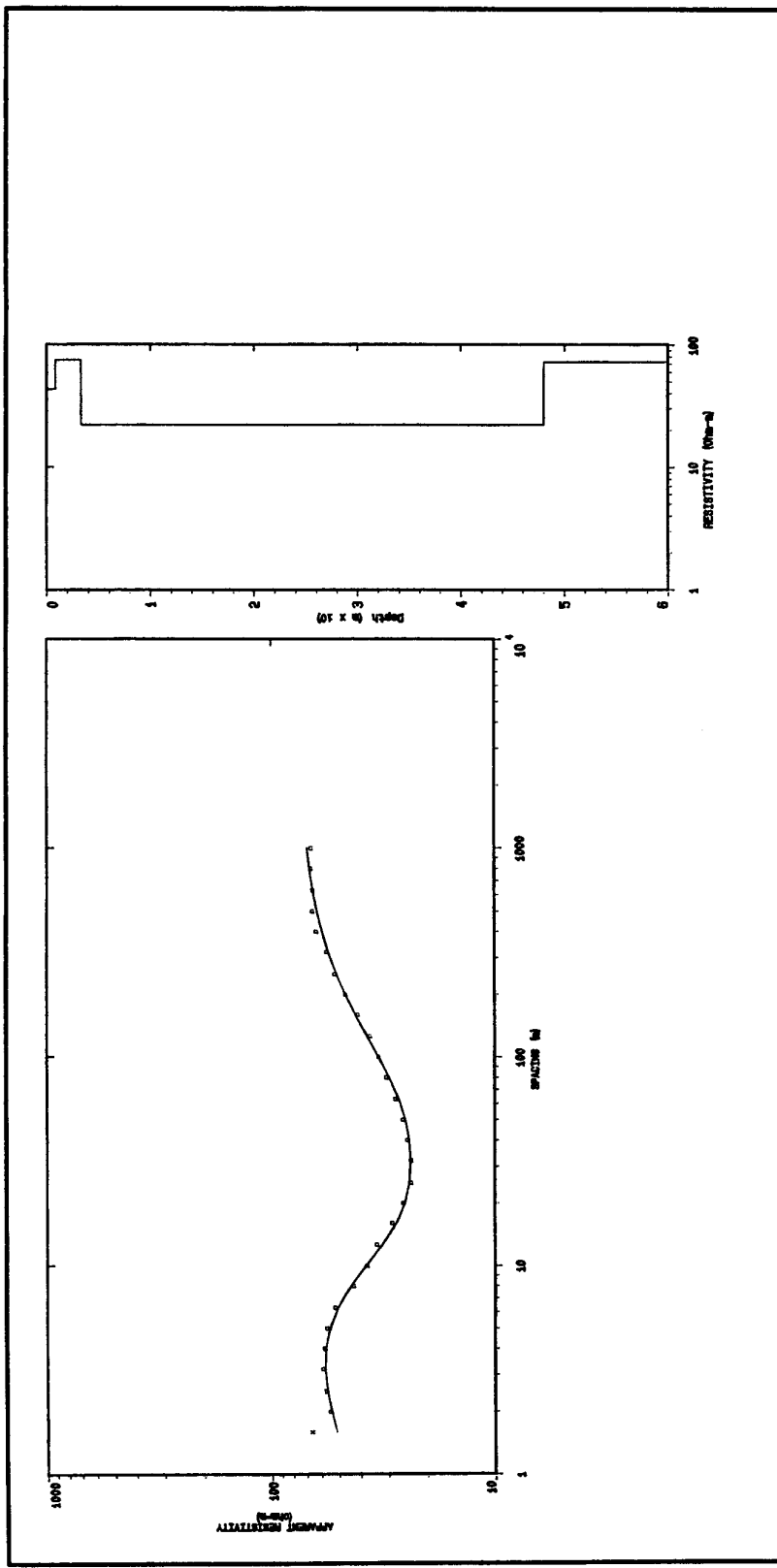
Data Set: REQ21 Date: 15-3-90

Equipment: GEOTRON Sounding: 21

RESISTIVIDAD

REQUENA
VALENCIA

Azimuth: N-100



| | | | |
|----------------------|----------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: 22 | Date: 14-11-89 | Azimuth: E-15 -S | |
| Equipment: SYSCALR2E | Sounding: 22 | | |

DATA SET: 23

| | |
|--|----------------------|
| CLIENT: ITGE | DATE: 14-11-89 |
| LOCATION: REQUENA | SOUNDING: 23 |
| COUNTY: VALENCIA | AZIMUTH: E-20 -S |
| PROJECT: RESISTIVIDAD | EQUIPMENT: SYSCALR2E |
| ELEVATION: 660.00 | |
| SOUNDING COORDINATES: X: 646600.0000 Y: 4369600.0000 | |

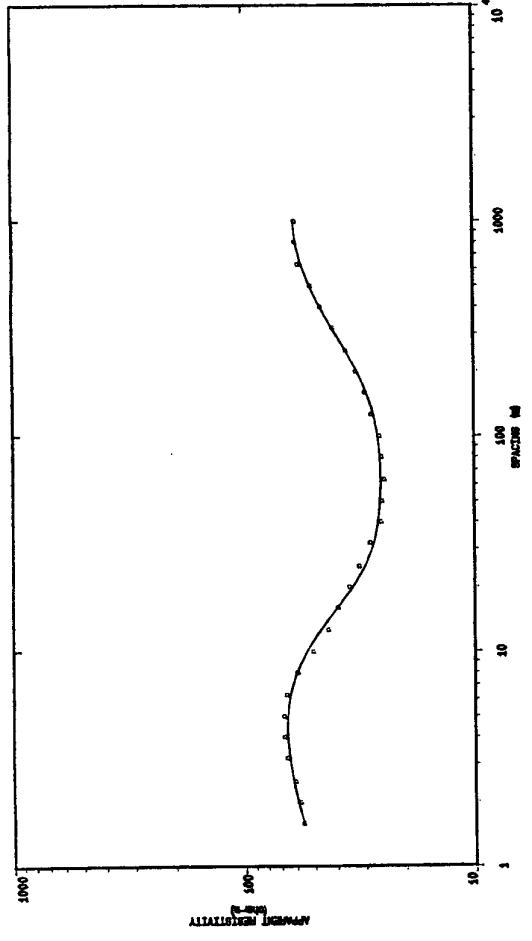
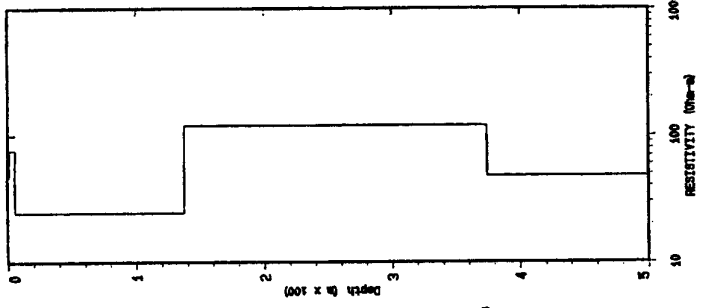
Schlumberger Configuration

FITTING ERROR: 3.249 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 660.0 | |
| 1 | 47.00 | | 0.750 | 659.2 | 0.0159 |
| 2 | 77.00 | | 4.45 | 654.7 | 0.0577 |
| 3 | 24.50 | | 131.8 | 523.0 | 5.37 |
| 4 | 120.0 | | 237.0 | 286.0 | 1.97 |
| 5 | 48.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 81.30 | 81.34 | -0.0565 |
| 2 | 2.00 | 84.00 | 85.72 | -2.05 |
| 3 | 2.50 | 88.00 | 89.92 | -2.19 |
| 4 | 3.20 | 95.60 | 93.66 | 2.02 |
| 5 | 4.00 | 98.10 | 95.56 | 2.58 |
| 6 | 5.00 | 98.60 | 95.47 | 3.16 |
| 7 | 6.30 | 96.00 | 92.71 | 3.42 |
| 8 | 8.00 | 85.80 | 86.58 | -0.910 |
| 9 | 10.00 | 73.10 | 78.08 | -6.81 |
| 10 | 12.60 | 62.70 | 67.61 | -7.83 |
| 11 | 12.60 | 51.50 | 55.53 | -7.83 |
| 12 | 16.00 | 46.70 | 46.78 | -0.192 |
| 13 | 20.00 | 41.60 | 40.11 | 3.56 |
| 14 | 25.00 | 37.80 | 35.48 | 6.12 |
| 15 | 32.00 | 33.80 | 32.50 | 3.82 |
| 16 | 40.00 | 30.20 | 31.13 | -3.09 |
| 17 | 50.00 | 29.90 | 30.48 | -1.95 |
| 18 | 50.00 | 29.70 | 30.27 | -1.95 |
| 19 | 63.00 | 29.10 | 30.07 | -3.34 |
| 20 | 80.00 | 29.80 | 30.28 | -1.63 |
| 21 | 100.0 | 30.40 | 30.94 | -1.79 |
| 22 | 126.0 | 33.00 | 32.29 | 2.14 |
| 23 | 160.0 | 35.20 | 34.68 | 1.47 |
| 24 | 200.0 | 38.60 | 38.08 | 1.32 |
| 25 | 200.0 | 34.00 | 33.54 | 1.32 |
| 26 | 250.0 | 37.50 | 37.61 | -0.316 |
| 27 | 320.0 | 42.70 | 43.13 | -1.02 |
| 28 | 400.0 | 48.20 | 48.56 | -0.758 |
| 29 | 500.0 | 53.30 | 53.82 | -0.977 |
| 30 | 630.0 | 60.30 | 58.44 | 3.08 |
| 31 | 630.0 | 58.00 | 56.21 | 3.08 |
| 32 | 800.0 | 59.60 | 59.37 | 0.377 |
| 33 | 1000.0 | 59.80 | 60.68 | -1.48 |



RESISTIVIDAD

REQUENA
VALENCIA

Azimuth: E-20 -S

for: ITGE

by: I.T.G.E.

Data Set: 23 Date: 14-11-89

Equipment: SYSCALR2E Sounding: 23

DATA SET: 24

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 820.00
 SOUNDING COORDINATES: X: 647950.0000 Y: 4390100.0000

DATE: 12-3-90
 SOUNDING: 24
 AZIMUTH: N-160
 EQUIPMENT: SYSCALR2E

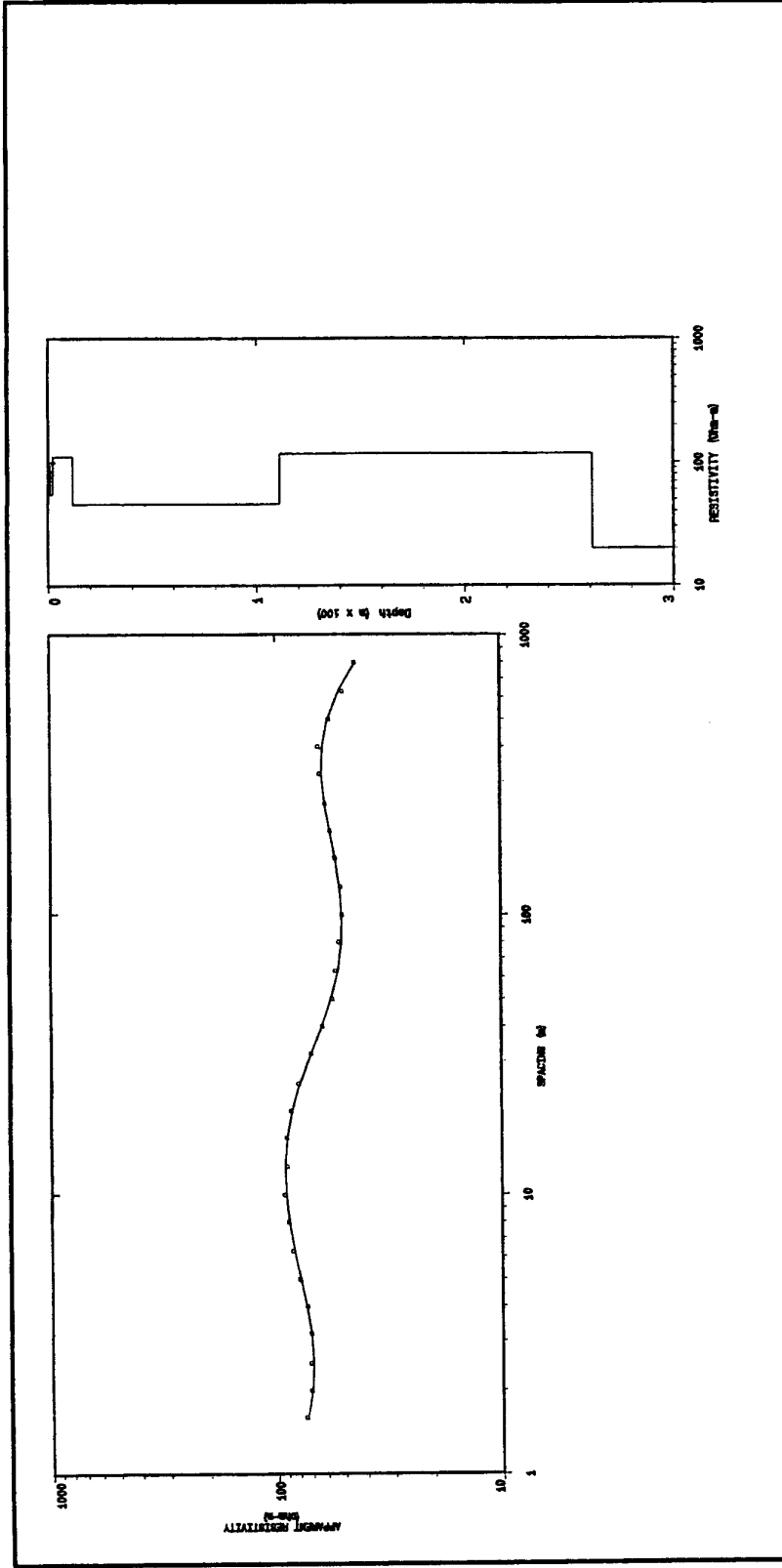
Schlumberger Configuration

FITTING ERROR: 1.802 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 820.0 | |
| 1 | 96.00 | | 0.600 | 819.4 | 0.00625 |
| 2 | 55.00 | | 1.40 | 818.0 | 0.0254 |
| 3 | 112.0 | | 9.60 | 808.4 | 0.0857 |
| 4 | 46.00 | | 99.40 | 709.0 | 2.16 |
| 5 | 118.0 | | 150.0 | 559.0 | 1.27 |
| 6 | 20.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 70.10 | 69.15 | 1.35 |
| 2 | 2.00 | 66.60 | 66.20 | 0.595 |
| 3 | 2.50 | 66.90 | 65.19 | 2.54 |
| 4 | 3.20 | 66.70 | 66.60 | 0.135 |
| 5 | 4.00 | 69.20 | 69.81 | -0.891 |
| 6 | 5.00 | 74.70 | 74.10 | 0.799 |
| 7 | 6.30 | 80.00 | 78.76 | 1.54 |
| 8 | 8.00 | 83.40 | 82.92 | 0.571 |
| 9 | 10.00 | 86.80 | 85.50 | 1.49 |
| 10 | 12.60 | 84.40 | 86.24 | -2.18 |
| 11 | 12.60 | 84.20 | 86.04 | -2.18 |
| 12 | 16.00 | 84.60 | 84.22 | 0.441 |
| 13 | 20.00 | 80.80 | 79.99 | 0.997 |
| 14 | 25.00 | 74.70 | 73.71 | 1.32 |
| 15 | 32.00 | 65.60 | 65.61 | -0.0170 |
| 16 | 40.00 | 58.40 | 58.67 | -0.474 |
| 17 | 50.00 | 52.80 | 53.20 | -0.759 |
| 18 | 50.00 | 50.90 | 51.28 | -0.759 |
| 19 | 63.00 | 49.00 | 47.73 | 2.58 |
| 20 | 80.00 | 47.30 | 45.97 | 2.79 |
| 21 | 100.0 | 45.70 | 45.78 | -0.185 |
| 22 | 126.0 | 46.30 | 46.81 | -1.11 |
| 23 | 160.0 | 49.00 | 49.00 | -0.0203 |
| 24 | 200.0 | 51.50 | 51.73 | -0.453 |
| 25 | 200.0 | 52.90 | 53.13 | -0.453 |
| 26 | 250.0 | 55.80 | 55.90 | -0.192 |
| 27 | 320.0 | 58.90 | 57.75 | 1.94 |
| 28 | 400.0 | 59.70 | 57.26 | 4.07 |
| 29 | 500.0 | 53.50 | 54.11 | -1.15 |
| 30 | 630.0 | 46.30 | 48.20 | -4.12 |
| 31 | 630.0 | 50.20 | 52.26 | -4.12 |
| 32 | 800.0 | 44.30 | 43.81 | 1.10 |



| | | | |
|----------------------|---------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: 24 | Date: 12-3-90 | Azimuth: N-160 | |
| Equipment: SYSCALREE | Sounding: 24 | | |

DATA SET: REQ25

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 810.00
 SOUNDING COORDINATES: X: 647250.0000 Y: 4388800.0000

DATE: 9-3-90
 SOUNDING: 25
 AZIMUTH: N-150
 EQUIPMENT: SYSCALR2E

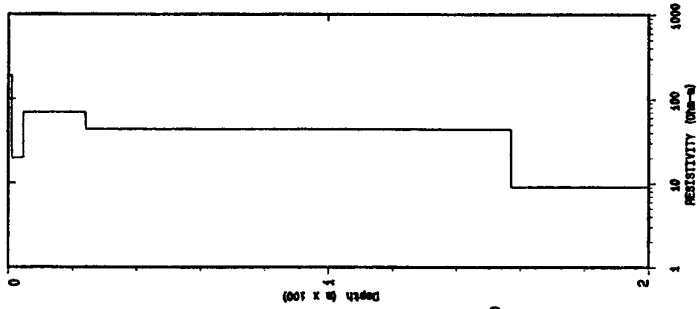
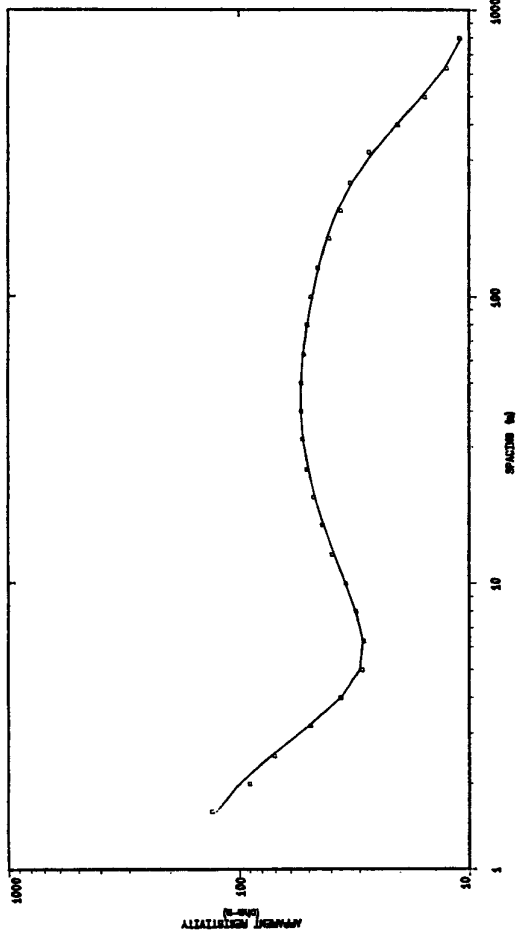
Schlumberger Configuration

FITTING ERROR: 2.699 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 810.0 | |
| 1 | 191.0 | | 1.00 | 809.0 | 0.00524 |
| 2 | 20.00 | | 3.60 | 805.4 | 0.180 |
| 3 | 70.00 | | 19.40 | 786.0 | 0.277 |
| 4 | 44.00 | | 133.0 | 653.0 | 3.02 |
| 5 | 9.10 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 114.2 | 109.2 | 4.31 |
| 2 | 2.00 | 78.10 | 86.37 | -10.59 |
| 3 | 2.50 | 61.20 | 63.42 | -3.64 |
| 4 | 3.20 | 42.40 | 42.87 | -1.11 |
| 5 | 4.00 | 31.40 | 31.24 | 0.489 |
| 6 | 5.00 | 25.40 | 25.98 | -2.28 |
| 7 | 6.30 | 25.00 | 25.19 | -0.765 |
| 8 | 8.00 | 27.00 | 27.08 | -0.314 |
| 9 | 10.00 | 29.90 | 30.02 | -0.413 |
| 10 | 12.60 | 34.30 | 33.57 | 2.10 |
| 11 | 12.60 | 38.20 | 37.39 | 2.10 |
| 12 | 16.00 | 42.00 | 41.62 | 0.904 |
| 13 | 20.00 | 46.00 | 45.32 | 1.46 |
| 14 | 25.00 | 49.10 | 48.48 | 1.24 |
| 15 | 32.00 | 51.30 | 51.01 | 0.552 |
| 16 | 40.00 | 51.90 | 52.17 | -0.536 |
| 17 | 50.00 | 51.90 | 52.17 | -0.534 |
| 18 | 50.00 | 48.70 | 48.96 | -0.534 |
| 19 | 63.00 | 47.50 | 47.90 | -0.850 |
| 20 | 80.00 | 45.90 | 45.96 | -0.135 |
| 21 | 100.0 | 44.20 | 43.65 | 1.24 |
| 22 | 126.0 | 41.10 | 40.90 | 0.469 |
| 23 | 160.0 | 36.70 | 37.61 | -2.48 |
| 24 | 200.0 | 32.70 | 33.87 | -3.59 |
| 25 | 200.0 | 35.50 | 36.77 | -3.59 |
| 26 | 250.0 | 32.40 | 31.86 | 1.65 |
| 27 | 320.0 | 26.80 | 25.71 | 4.03 |
| 28 | 400.0 | 20.00 | 20.26 | -1.29 |
| 29 | 500.0 | 15.30 | 15.73 | -2.83 |
| 30 | 630.0 | 12.30 | 12.51 | -1.76 |
| 31 | 630.0 | 12.50 | 12.72 | -1.76 |
| 32 | 800.0 | 11.00 | 10.83 | 1.50 |



| | | | |
|----------------------|--------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: REQ25 | Date: 9-3-90 | Azimuth: N-150 | |
| Equipment: SYSCALR2E | Sounding: 25 | | |

DATA SET: REQ26.RP

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 575.00
 SOUNDING COORDINATES: X: 432500.0000 Y: 4128500.0000

DATE: 8-3-90
 SOUNDING: 26
 AZIMUTH: N-125
 EQUIPMENT: SYSCALR2E

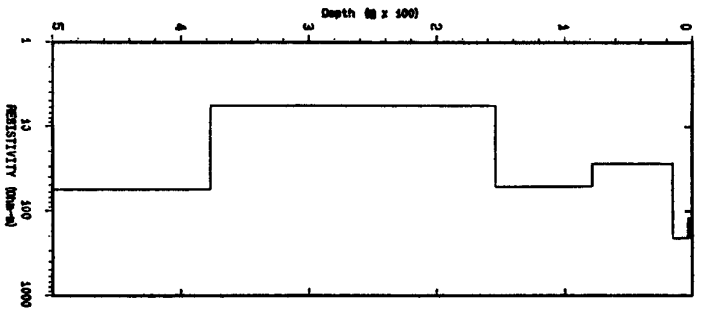
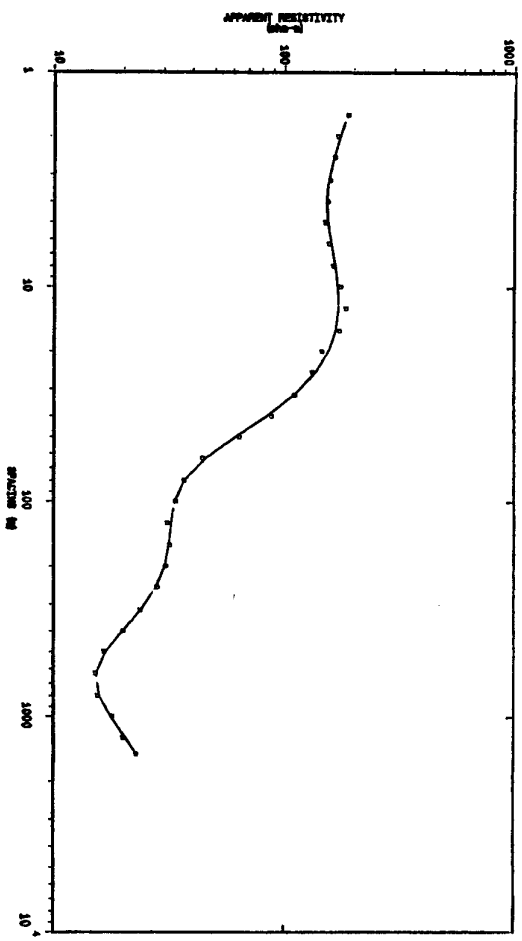
Schlumberger Configuration

FITTING ERROR: 3.021 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 575.0 | |
| 1 | 221.0 | | 0.900 | 574.0 | 0.00407 |
| 2 | 121.0 | | 1.90 | 572.1 | 0.0157 |
| 3 | 212.0 | | 12.20 | 559.9 | 0.0575 |
| 4 | 28.00 | | 63.00 | 496.9 | 2.25 |
| 5 | 52.00 | | 76.00 | 420.9 | 1.46 |
| 6 | 5.70 | | 223.0 | 197.9 | 39.12 |
| 7 | 56.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 176.5 | 174.4 | 1.16 |
| 2 | 2.00 | 159.2 | 163.2 | -2.53 |
| 3 | 2.50 | 154.5 | 152.9 | 1.00 |
| 4 | 3.20 | 147.3 | 145.1 | 1.47 |
| 5 | 4.00 | 144.3 | 142.6 | 1.20 |
| 6 | 5.00 | 140.8 | 144.4 | -2.53 |
| 7 | 6.30 | 146.2 | 149.4 | -2.19 |
| 8 | 8.00 | 152.6 | 155.4 | -1.87 |
| 9 | 10.00 | 164.7 | 159.7 | 3.01 |
| 10 | 12.60 | 172.8 | 160.7 | 7.02 |
| 11 | 12.60 | 165.5 | 153.8 | 7.02 |
| 12 | 16.00 | 155.0 | 149.4 | 3.55 |
| 13 | 20.00 | 130.2 | 139.1 | -6.84 |
| 14 | 25.00 | 118.4 | 122.2 | -3.27 |
| 15 | 32.00 | 99.00 | 97.98 | 1.02 |
| 16 | 40.00 | 78.50 | 74.80 | 4.70 |
| 17 | 50.00 | 57.00 | 54.89 | 3.70 |
| 18 | 50.00 | 62.30 | 59.99 | 3.70 |
| 19 | 63.00 | 43.10 | 44.42 | -3.06 |
| 20 | 80.00 | 35.90 | 35.87 | 0.0646 |
| 21 | 100.0 | 33.10 | 32.67 | 1.29 |
| 22 | 126.0 | 30.40 | 31.61 | -3.98 |
| 23 | 160.0 | 31.20 | 30.94 | 0.824 |
| 24 | 200.0 | 30.00 | 29.63 | 1.20 |
| 25 | 200.0 | 32.00 | 31.61 | 1.20 |
| 26 | 250.0 | 29.40 | 29.00 | 1.32 |
| 27 | 320.0 | 24.80 | 24.85 | -0.211 |
| 28 | 400.0 | 20.90 | 20.76 | 0.662 |
| 29 | 500.0 | 17.20 | 17.49 | -1.73 |
| 30 | 630.0 | 15.80 | 15.91 | -0.731 |
| 31 | 630.0 | 15.20 | 15.31 | -0.731 |
| 32 | 800.0 | 15.50 | 15.79 | -1.91 |
| 33 | 1000.0 | 18.00 | 17.71 | 1.59 |
| 34 | 1260.0 | 20.10 | 20.57 | -2.36 |
| 35 | 1500.0 | 15.00 | 15.00 | 0.00 |



for: ITGE
 by: I.T.G.E.
 Data Set: REQ26.RP
 Date: 8-3-90
 Equipment: SYSCALR2E
 Sounding: 26

RESISTIVIDAD
 REQUENA
 VALENCIA
 AZimuth: N-125

DATA SET: REQ28

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 840.00
 SOUNDING COORDINATES: X: 647850.0000 Y: 4378100.0000

DATE: 27-4-90
 SOUNDING: 28
 AZIMUTH: N-105
 EQUIPMENT: SYSCALR2E

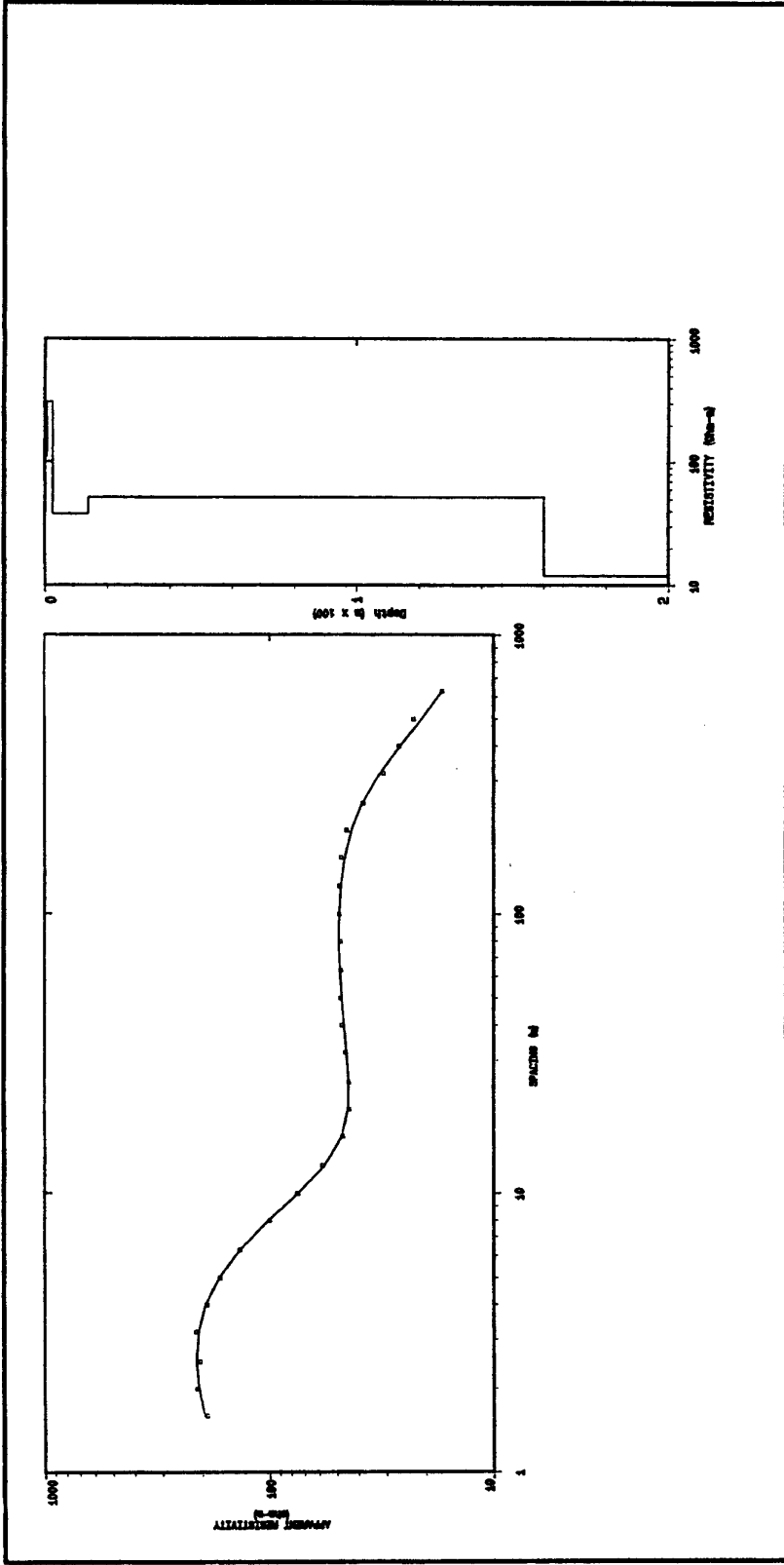
Schlumberger Configuration

FITTING ERROR: 2.729 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 840.0 | |
| 1 | 107.0 | | 0.400 | 839.5 | 0.00374 |
| 2 | 308.0 | | 2.00 | 837.5 | 0.00649 |
| 3 | 38.00 | | 11.50 | 826.0 | 0.302 |
| 4 | 52.00 | | 146.1 | 680.0 | 2.80 |
| 5 | 12.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 157.0 | 161.4 | -2.85 |
| 2 | 2.00 | 173.3 | 170.8 | 1.47 |
| 3 | 2.50 | 168.8 | 175.2 | -3.81 |
| 4 | 3.20 | 175.7 | 171.8 | 2.18 |
| 5 | 4.00 | 157.1 | 159.7 | -1.66 |
| 6 | 5.00 | 137.3 | 139.1 | -1.33 |
| 7 | 6.30 | 112.1 | 111.9 | 0.175 |
| 8 | 8.00 | 82.10 | 83.25 | -1.40 |
| 9 | 10.00 | 61.80 | 61.43 | 0.584 |
| 10 | 12.60 | 47.90 | 46.71 | 2.47 |
| 11 | 12.60 | 63.50 | 61.93 | 2.47 |
| 12 | 16.00 | 51.40 | 51.99 | -1.15 |
| 13 | 20.00 | 48.10 | 48.80 | -1.45 |
| 14 | 25.00 | 48.40 | 48.49 | -0.201 |
| 15 | 32.00 | 50.00 | 49.48 | 1.03 |
| 16 | 40.00 | 51.90 | 50.73 | 2.23 |
| 17 | 50.00 | 52.60 | 51.96 | 1.21 |
| 18 | 50.00 | 51.00 | 50.38 | 1.21 |
| 19 | 63.00 | 50.80 | 51.34 | -1.07 |
| 20 | 80.00 | 50.90 | 51.88 | -1.92 |
| 21 | 100.0 | 51.70 | 51.80 | -0.194 |
| 22 | 126.0 | 51.60 | 50.91 | 1.33 |
| 23 | 160.0 | 50.70 | 48.82 | 3.70 |
| 24 | 200.0 | 47.80 | 45.49 | 4.82 |
| 25 | 200.0 | 45.20 | 43.02 | 4.82 |
| 26 | 250.0 | 38.10 | 38.49 | -1.02 |
| 27 | 320.0 | 31.10 | 32.20 | -3.56 |
| 28 | 400.0 | 26.50 | 26.21 | 1.05 |
| 29 | 500.0 | 22.80 | 20.94 | 8.14 |
| 30 | 630.0 | 16.90 | 16.94 | -0.267 |



| | | | |
|----------------------|---------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: REQ26 | Date: 27-4-90 | Azimuth: N-105 | |
| Equipment: SYSCALP2E | Sounding: 28 | | |

DATA SET: REQ30

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 770.00
 SOUNDING COORDINATES: X: 648950.0000 Y: 4382500.0000

DATE: 6-3-90
 SOUNDING: 30
 AZIMUTH: N-160
 EQUIPMENT: SYSCALR2E

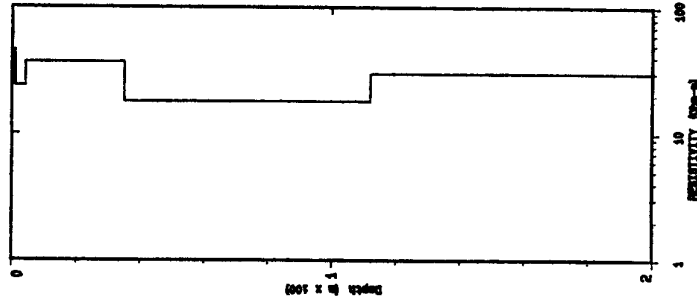
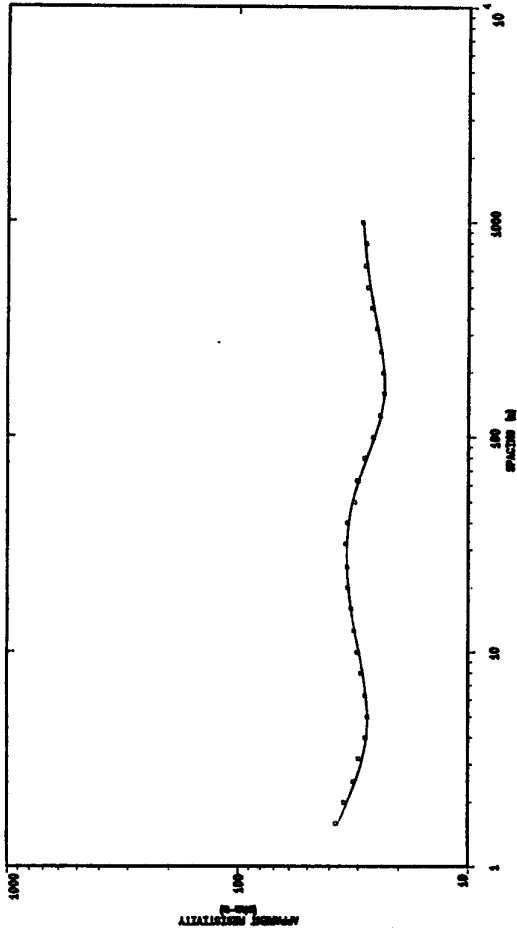
Schlumberger Configuration

FITTING ERROR: 1.654 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 770.0 | |
| 1 | 46.00 | | 0.800 | 769.2 | 0.0173 |
| 2 | 24.00 | | 3.30 | 765.9 | 0.137 |
| 3 | 37.00 | | 30.90 | 735.0 | 0.835 |
| 4 | 18.00 | | 77.00 | 658.0 | 4.27 |
| 5 | 30.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|---------|----------------------|-------------------------|
| 1 | 1.60 | 37.50 | 36.61 | 2.35 |
| 2 | 2.00 | 34.50 | 33.62 | 2.52 |
| 3 | 2.50 | 31.50 | 30.93 | 1.80 |
| 4 | 3.20 | 30.00 | 28.73 | 4.21 |
| 5 | 4.00 | 28.00 | 27.63 | 1.30 |
| 6 | 5.00 | 27.40 | 27.34 | 0.203 |
| 7 | 6.30 | 28.10 | 27.75 | 1.21 |
| 8 | 8.00 | 29.30 | 28.74 | 1.89 |
| 9 | 10.00 | 30.40 | 29.95 | 1.47 |
| 10 | 12.60 | 31.40 | 31.26 | 0.417 |
| 11 | 12.60 | 32.30 | 32.16 | 0.417 |
| 12 | 16.00 | 33.30 | 33.42 | -0.371 |
| 13 | 20.00 | 34.50 | 34.32 | 0.519 |
| 14 | 25.00 | 34.70 | 34.83 | -0.398 |
| 15 | 32.00 | 35.20 | 34.84 | 1.00 |
| 16 | 40.00 | 34.70 | 34.22 | 1.35 |
| 17 | 50.00 | 32.20 | 32.94 | -2.32 |
| 18 | 50.00 | 31.60 | 32.33 | -2.32 |
| 19 | 63.00 | 30.70 | 30.39 | 0.986 |
| 20 | 80.00 | 28.60 | 27.99 | 2.11 |
| 21 | 100.0 | 26.20 | 25.82 | 1.41 |
| 22 | 126.0 | 24.50 | 24.14 | 1.44 |
| 23 | 160.0 | 23.50 | 23.31 | 0.777 |
| 24 | 200.0 | 23.70 | 23.38 | 1.30 |
| 25 | 200.0 | 23.80 | 23.48 | 1.30 |
| 26 | 250.0 | 24.40 | 24.16 | 0.961 |
| 27 | 320.0 | 25.50 | 25.27 | 0.897 |
| 28 | 400.0 | 26.80 | 26.33 | 1.74 |
| 29 | 500.0 | 27.90 | 27.30 | 2.14 |
| 30 | 630.0 | 28.60 | 28.14 | 1.58 |
| 31 | 630.0 | 28.20 | 27.75 | 1.58 |
| 32 | 800.0 | 28.00 | 28.43 | -1.54 |
| 33 | 1000.0 | 29.10 | 28.90 | 0.661 |



| | | | |
|----------------------|--------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: REG30 | Date: 6-3-90 | | |
| Equipment: SYSCALP2E | Sounding: 30 | Azimuth: N-160 | |

DATA SET: 31

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 650.00
 SOUNDING COORDINATES: X: 648750.0000 Y: 4368850.0000

DATE: 21-11-89
 SOUNDING: 31
 AZIMUTH: S-40 -E
 EQUIPMENT: SYSCALR2E

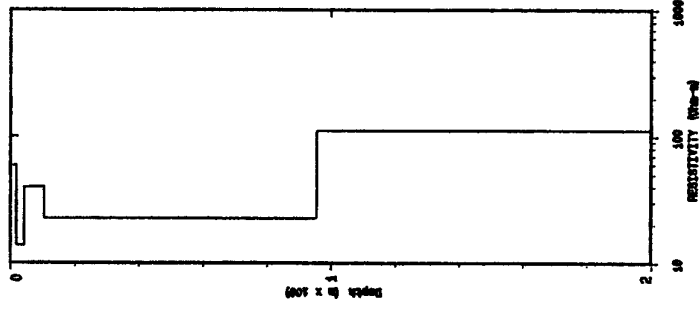
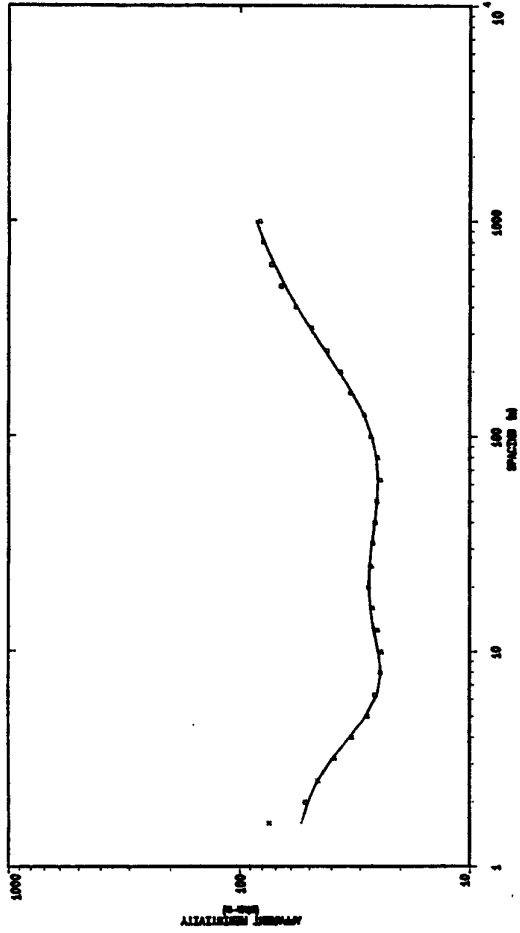
Schlumberger Configuration

FITTING ERROR: 2.116 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 650.0 | |
| 1 | 59.00 | | 1.70 | 648.2 | 0.0288 |
| 2 | 13.80 | | 2.50 | 645.7 | 0.181 |
| 3 | 40.00 | | 6.30 | 639.5 | 0.157 |
| 4 | 22.60 | | 85.00 | 554.5 | 3.76 |
| 5 | 112.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 79.80 | 57.68 | 27.71 |
| 2 | 2.00 | 55.40 | 54.10 | 2.33 |
| 3 | 2.50 | 48.80 | 49.08 | -0.575 |
| 4 | 3.20 | 41.40 | 42.17 | -1.86 |
| 5 | 4.00 | 34.80 | 35.69 | -2.58 |
| 6 | 5.00 | 29.90 | 30.34 | -1.48 |
| 7 | 6.30 | 27.60 | 27.01 | 2.12 |
| 8 | 8.00 | 26.20 | 26.07 | 0.492 |
| 9 | 10.00 | 25.90 | 26.74 | -3.26 |
| 10 | 12.60 | 27.00 | 27.99 | -3.69 |
| 11 | 12.60 | 23.10 | 23.95 | -3.69 |
| 12 | 16.00 | 24.30 | 24.85 | -2.28 |
| 13 | 20.00 | 25.30 | 25.20 | 0.360 |
| 14 | 25.00 | 24.70 | 25.05 | -1.45 |
| 15 | 32.00 | 24.30 | 24.46 | -0.699 |
| 16 | 40.00 | 23.70 | 23.79 | -0.406 |
| 17 | 50.00 | 23.30 | 23.24 | 0.237 |
| 18 | 50.00 | 23.30 | 23.24 | 0.237 |
| 19 | 63.00 | 22.40 | 23.03 | -2.82 |
| 20 | 80.00 | 23.10 | 23.40 | -1.31 |
| 21 | 100.0 | 24.70 | 24.48 | 0.885 |
| 22 | 126.0 | 26.40 | 26.54 | -0.559 |
| 23 | 160.0 | 30.30 | 29.86 | 1.41 |
| 24 | 200.0 | 33.60 | 34.07 | -1.42 |
| 25 | 200.0 | 33.90 | 34.38 | -1.42 |
| 26 | 250.0 | 38.70 | 39.56 | -2.23 |
| 27 | 320.0 | 45.20 | 46.11 | -2.01 |
| 28 | 400.0 | 53.00 | 52.50 | 0.930 |
| 29 | 500.0 | 61.50 | 59.13 | 3.84 |
| 30 | 630.0 | 67.80 | 66.01 | 2.63 |
| 31 | 630.0 | 73.50 | 71.56 | 2.63 |
| 32 | 800.0 | 79.60 | 79.01 | 0.735 |
| 33 | 1000.0 | 82.10 | 85.48 | -4.11 |



| | | | |
|----------------------|----------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: 31 | Date: 21-11-89 | | |
| Equipment: SYSCALP2E | Sounding: 31 | Azimuth: S-40 -E | |

DATA SET: 35

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 635.00
 SOUNDING COORDINATES: X: 649300.0000 Y: 4369850.0000

DATE: 21-11-89
 SOUNDING: 35
 AZIMUTH: E-35 -S
 EQUIPMENT: SYSCALR2E

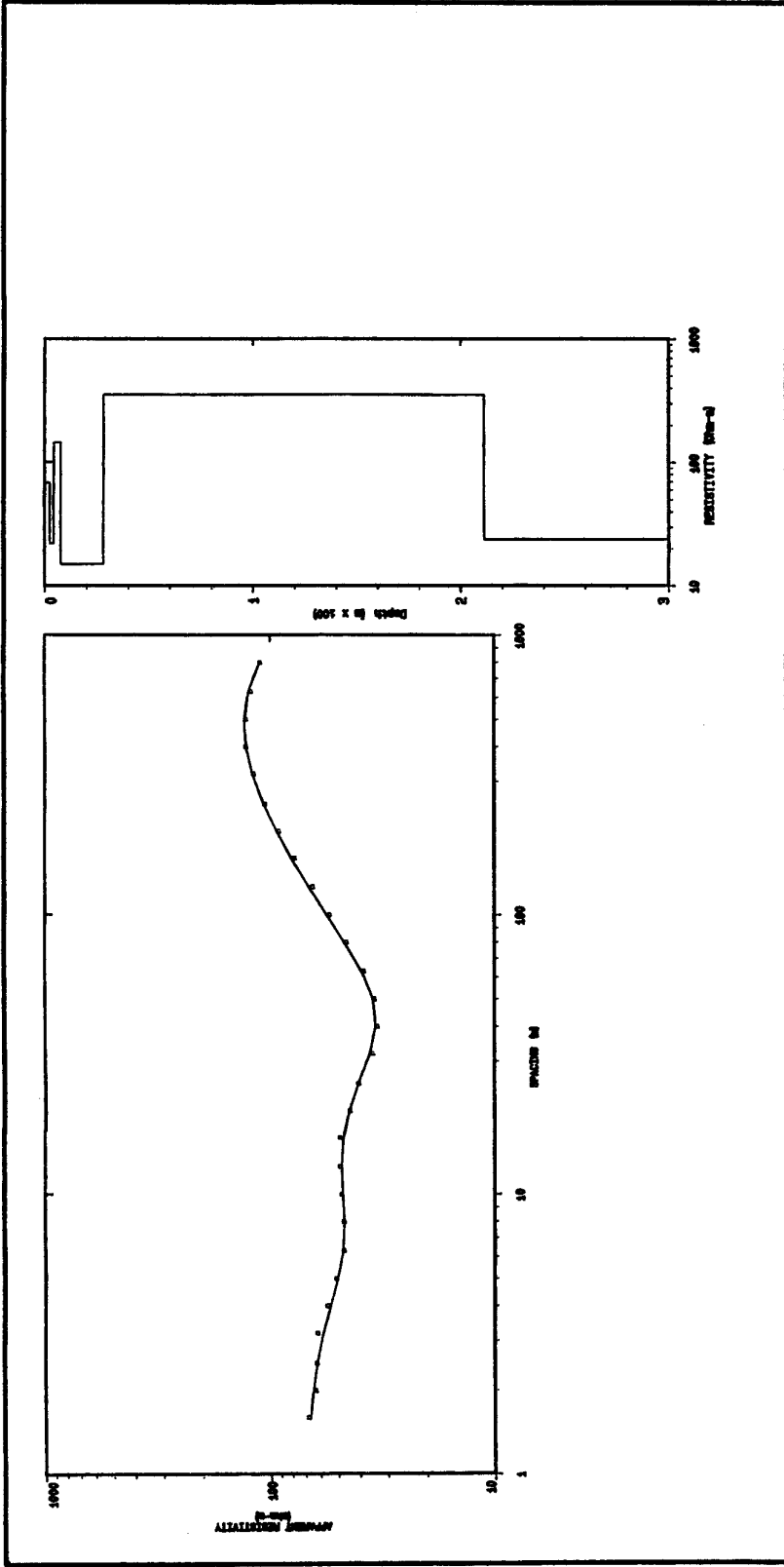
Schlumberger Configuration

FITTING ERROR: 2.407 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| 1 | 69.00 | | 2.20 | 635.0 | |
| 2 | 22.00 | | 2.00 | 632.7 | 0.0318 |
| 3 | 145.0 | | 3.40 | 630.7 | 0.0909 |
| 4 | 15.00 | | 20.40 | 627.3 | 0.0234 |
| 5 | 354.0 | | 183.0 | 606.9 | 1.36 |
| 6 | 24.00 | | | 423.9 | 0.516 |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 82.50 | 81.04 | 1.76 |
| 2 | 2.00 | 77.00 | 78.96 | -2.55 |
| 3 | 2.50 | 76.00 | 75.78 | 0.276 |
| 4 | 3.20 | 75.50 | 70.89 | 6.10 |
| 5 | 4.00 | 67.70 | 65.67 | 2.99 |
| 6 | 5.00 | 61.80 | 60.80 | 1.61 |
| 7 | 6.30 | 57.30 | 57.53 | -0.416 |
| 8 | 8.00 | 57.20 | 56.77 | 0.742 |
| 9 | 10.00 | 58.50 | 57.69 | 1.37 |
| 10 | 12.60 | 59.50 | 58.50 | 1.67 |
| 11 | 12.60 | 54.30 | 53.39 | 1.67 |
| 12 | 16.00 | 54.30 | 52.38 | 3.52 |
| 13 | 20.00 | 49.00 | 49.29 | -0.593 |
| 14 | 25.00 | 44.70 | 44.73 | -0.0853 |
| 15 | 32.00 | 38.80 | 39.84 | -2.70 |
| 16 | 40.00 | 37.10 | 37.53 | -1.18 |
| 17 | 50.00 | 38.10 | 38.58 | -1.27 |
| 18 | 50.00 | 36.70 | 37.16 | -1.27 |
| 19 | 63.00 | 41.00 | 41.90 | -2.20 |
| 20 | 80.00 | 49.10 | 50.13 | -2.10 |
| 21 | 100.0 | 58.30 | 60.12 | -3.13 |
| 22 | 126.0 | 69.40 | 72.30 | -4.18 |
| 23 | 160.0 | 83.30 | 86.46 | -3.79 |
| 24 | 200.0 | 98.00 | 100.6 | -2.67 |
| 25 | 200.0 | 93.70 | 96.20 | -2.67 |
| 26 | 250.0 | 107.8 | 109.6 | -1.75 |
| 27 | 320.0 | 120.8 | 122.7 | -1.63 |
| 28 | 400.0 | 130.8 | 130.8 | -0.0253 |
| 29 | 500.0 | 131.0 | 133.1 | -1.63 |
| 30 | 630.0 | 124.3 | 127.7 | -2.77 |
| 31 | 630.0 | 121.8 | 125.1 | -2.77 |
| 32 | 800.0 | 110.8 | 111.1 | -0.360 |



| | | | |
|----------------------|----------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: 35 | Date: 21-11-89 | | |
| Equipment: SYSCALR2E | Sounding: 35 | Azimuth: E-35 -S | |

DATA SET: REQ37

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 830.00
 SOUNDING COORDINATES: X: 650625.0000 Y: 4388275.0000

DATE: 18-4-90
 SOUNDING: 37
 AZIMUTH: N-135
 EQUIPMENT: SYSCALR2E

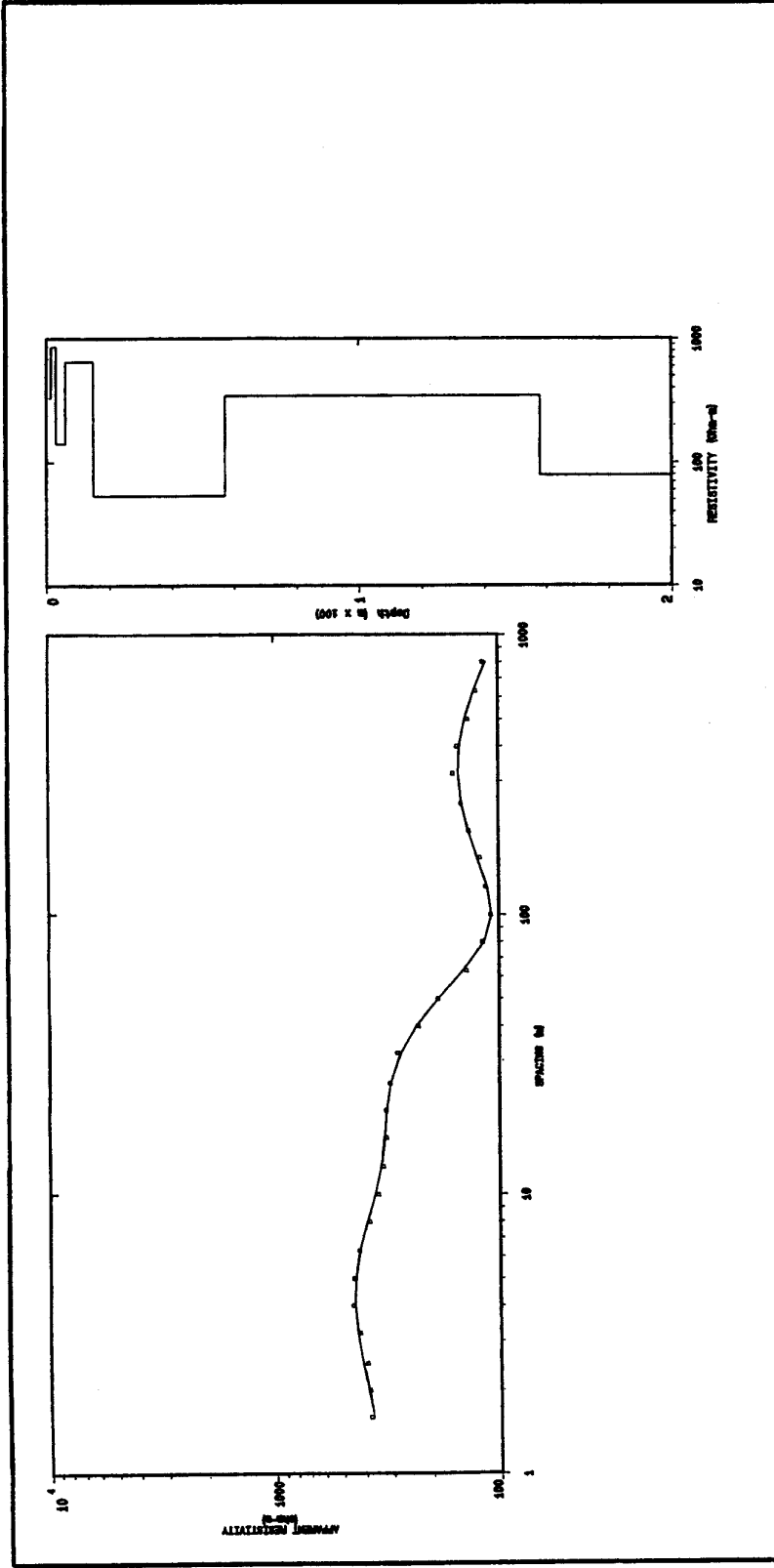
Schlumberger Configuration

FITTING ERROR: 2.383 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 830.0 | |
| 1 | 333.0 | | 1.30 | 828.7 | 0.00390 |
| 2 | 869.0 | | 1.60 | 827.1 | 0.00184 |
| 3 | 142.0 | | 3.10 | 824.0 | 0.0218 |
| 4 | 656.0 | | 8.90 | 815.1 | 0.0135 |
| 5 | 54.00 | | 42.10 | 773.0 | 0.779 |
| 6 | 347.0 | | 101.0 | 672.0 | 0.291 |
| 7 | 79.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 375.1 | 365.7 | 2.50 |
| 2 | 2.00 | 379.5 | 385.2 | -1.52 |
| 3 | 2.50 | 388.0 | 407.8 | -5.12 |
| 4 | 3.20 | 419.0 | 430.5 | -2.74 |
| 5 | 4.00 | 449.7 | 441.7 | 1.79 |
| 6 | 5.00 | 444.3 | 438.4 | 1.33 |
| 7 | 6.30 | 421.0 | 418.7 | 0.529 |
| 8 | 8.00 | 377.3 | 386.7 | -2.46 |
| 9 | 10.00 | 344.2 | 356.2 | -3.47 |
| 10 | 12.60 | 328.0 | 333.8 | -1.78 |
| 11 | 12.60 | 394.2 | 401.2 | -1.78 |
| 12 | 16.00 | 381.0 | 387.5 | -1.72 |
| 13 | 20.00 | 382.2 | 379.5 | 0.724 |
| 14 | 25.00 | 366.5 | 363.6 | 0.787 |
| 15 | 32.00 | 338.5 | 327.0 | 3.39 |
| 16 | 40.00 | 272.8 | 277.3 | -1.64 |
| 17 | 50.00 | 222.3 | 221.5 | 0.359 |
| 18 | 50.00 | 221.2 | 220.4 | 0.359 |
| 19 | 63.00 | 165.3 | 170.0 | -2.80 |
| 20 | 80.00 | 139.8 | 137.5 | 1.70 |
| 21 | 100.0 | 128.8 | 127.7 | 0.864 |
| 22 | 126.0 | 135.5 | 133.6 | 1.39 |
| 23 | 160.0 | 143.3 | 147.8 | -3.20 |
| 24 | 200.0 | 160.8 | 162.1 | -0.834 |
| 25 | 200.0 | 141.7 | 142.8 | -0.834 |
| 26 | 250.0 | 153.3 | 152.6 | 0.447 |
| 27 | 320.0 | 166.3 | 157.5 | 5.27 |
| 28 | 400.0 | 159.3 | 155.4 | 2.44 |
| 29 | 500.0 | 142.6 | 147.1 | -3.20 |
| 30 | 630.0 | 131.1 | 134.0 | -2.24 |
| 31 | 630.0 | 125.9 | 128.7 | -2.24 |
| 32 | 800.0 | 117.4 | 114.1 | 2.78 |



| | | | |
|----------------------|---------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: REQ37 | Date: 18-4-90 | Azimuth: N-135 | |
| Equipment: SYSCALR2E | Sounding: 37 | | |

DATA SET: REQ38

| | |
|--|----------------------|
| CLIENT: ITGE | DATE: 18-4-90 |
| LOCATION: REQUENA | SOUNDING: 38 |
| COUNTY: VALENCIA | AZIMUTH: N-140 |
| PROJECT: RESISTIVIDAD | EQUIPMENT: SYSCALR2E |
| ELEVATION: 760.00 | |
| SOUNDING COORDINATES: X: 650775.0000 Y: 4386025.0000 | |

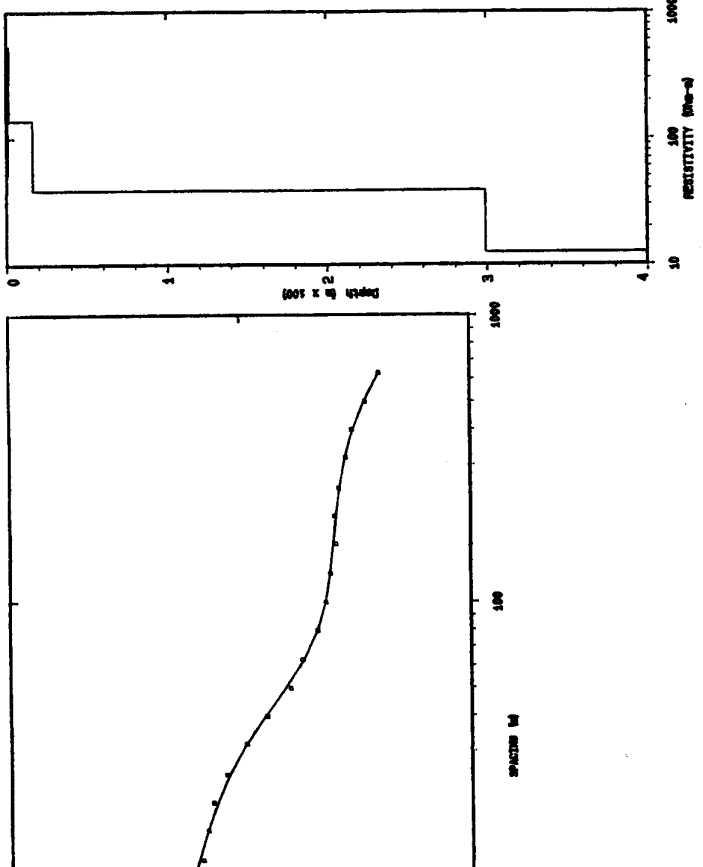
Schlumberger Configuration

FITTING ERROR: 3.091 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 760.0 | |
| 1 | 49.00 | | 0.450 | 759.5 | 0.00918 |
| 2 | 539.0 | | 0.900 | 758.6 | 0.00167 |
| 3 | 139.0 | | 14.70 | 743.9 | 0.105 |
| 4 | 39.00 | | 283.0 | 460.9 | 7.25 |
| 5 | 12.60 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 104.4 | 108.2 | -3.70 |
| 2 | 2.00 | 118.2 | 123.7 | -4.70 |
| 3 | 2.50 | 141.7 | 138.3 | 2.39 |
| 4 | 3.20 | 160.3 | 151.5 | 5.53 |
| 5 | 4.00 | 167.3 | 159.3 | 4.77 |
| 6 | 5.00 | 162.8 | 162.1 | 0.413 |
| 7 | 6.30 | 158.3 | 159.6 | -0.852 |
| 8 | 8.00 | 145.3 | 152.3 | -4.75 |
| 9 | 10.00 | 134.1 | 142.7 | -6.45 |
| 10 | 12.60 | 126.3 | 131.7 | -4.32 |
| 11 | 12.60 | 129.2 | 134.7 | -4.32 |
| 12 | 16.00 | 122.4 | 122.8 | -0.402 |
| 13 | 20.00 | 115.9 | 111.2 | 4.00 |
| 14 | 25.00 | 101.3 | 98.43 | 2.82 |
| 15 | 32.00 | 82.70 | 82.76 | -0.0807 |
| 16 | 40.00 | 67.50 | 68.47 | -1.45 |
| 17 | 50.00 | 53.30 | 55.97 | -5.02 |
| 18 | 50.00 | 57.60 | 60.49 | -5.02 |
| 19 | 63.00 | 51.00 | 50.14 | 1.68 |
| 20 | 80.00 | 43.60 | 43.54 | 0.132 |
| 21 | 100.0 | 40.10 | 40.19 | -0.228 |
| 22 | 126.0 | 38.20 | 38.31 | -0.310 |
| 23 | 160.0 | 36.10 | 37.09 | -2.75 |
| 24 | 200.0 | 36.60 | 36.06 | 1.45 |
| 25 | 200.0 | 38.40 | 37.83 | 1.45 |
| 26 | 250.0 | 36.70 | 36.53 | 0.440 |
| 27 | 320.0 | 34.20 | 34.50 | -0.880 |
| 28 | 400.0 | 32.20 | 31.88 | 0.972 |
| 29 | 500.0 | 28.20 | 28.51 | -1.11 |
| 30 | 630.0 | 24.50 | 24.53 | -0.130 |
| 31 | 630.0 | 24.90 | 24.93 | -0.130 |



| | | | |
|----------------------|--|----------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA | |
| Data Set: REQ38 | | VALENCIA | |
| Equipment: SYSCALR2E | | Azimuth: N-140 | |
| Date: 18-4-90 | | | |
| Sounding: 38 | | | |

DATA SET: REQ40

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 775.00
 SOUNDING COORDINATES: X: 649825.0000 Y: 4380300.0000

DATE: 5-3-90
 SOUNDING: 40
 AZIMUTH: N-150 -S
 EQUIPMENT: SYSCALR2E

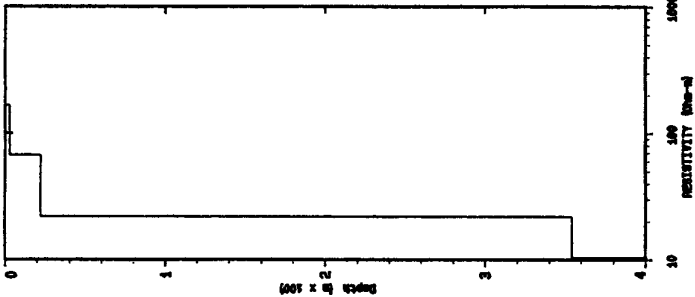
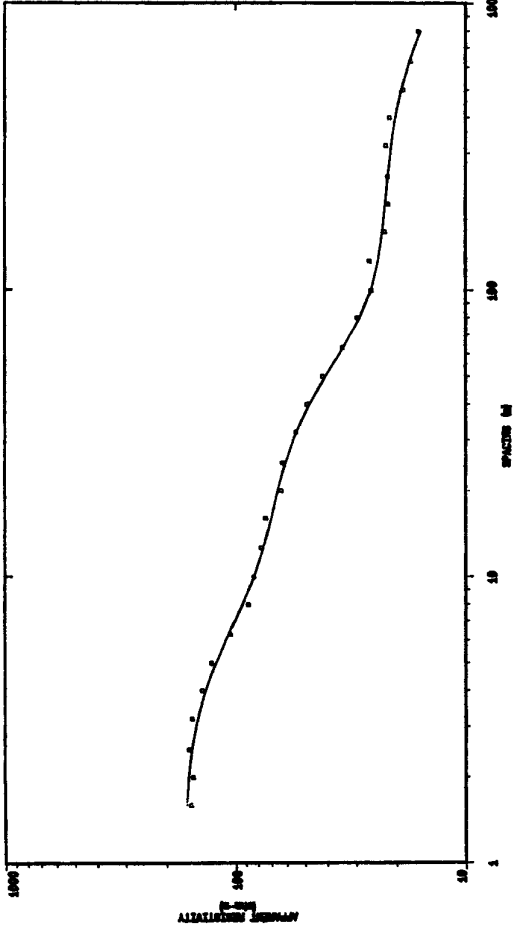
Schlumberger Configuration

FITTING ERROR: 3.662 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 775.0 | |
| 1 | 168.0 | | 2.50 | 772.5 | 0.0148 |
| 2 | 68.00 | | 19.50 | 753.0 | 0.286 |
| 3 | 22.00 | | 332.0 | 421.0 | 15.09 |
| 4 | 10.40 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 199.0 | 207.5 | -4.30 |
| 2 | 2.00 | 193.8 | 203.6 | -5.08 |
| 3 | 2.50 | 203.2 | 197.2 | 2.94 |
| 4 | 3.20 | 196.0 | 186.0 | 5.07 |
| 5 | 4.00 | 177.2 | 171.8 | 3.01 |
| 6 | 5.00 | 161.2 | 154.5 | 4.13 |
| 7 | 6.30 | 133.3 | 135.5 | -1.68 |
| 8 | 8.00 | 111.3 | 117.8 | -5.87 |
| 9 | 10.00 | 105.5 | 104.9 | 0.506 |
| 10 | 12.60 | 98.30 | 95.53 | 2.81 |
| 11 | 12.60 | 84.60 | 82.21 | 2.81 |
| 12 | 16.00 | 80.80 | 76.26 | 5.61 |
| 13 | 20.00 | 69.00 | 71.50 | -3.62 |
| 14 | 25.00 | 68.10 | 66.33 | 2.58 |
| 15 | 32.00 | 59.50 | 59.36 | 0.229 |
| 16 | 40.00 | 53.20 | 51.94 | 2.36 |
| 17 | 50.00 | 45.50 | 44.20 | 2.83 |
| 18 | 50.00 | 45.90 | 44.59 | 2.83 |
| 19 | 63.00 | 37.70 | 37.35 | 0.913 |
| 20 | 80.00 | 32.60 | 31.73 | 2.66 |
| 21 | 100.0 | 28.30 | 28.36 | -0.231 |
| 22 | 126.0 | 28.80 | 26.36 | 8.44 |
| 23 | 160.0 | 24.70 | 25.22 | -2.14 |
| 24 | 200.0 | 23.90 | 24.54 | -2.69 |
| 25 | 200.0 | 21.40 | 21.97 | -2.69 |
| 26 | 250.0 | 21.50 | 21.43 | 0.297 |
| 27 | 320.0 | 21.90 | 20.73 | 5.32 |
| 28 | 400.0 | 21.10 | 19.87 | 5.82 |
| 29 | 500.0 | 18.30 | 18.69 | -2.18 |
| 30 | 630.0 | 17.00 | 17.17 | -1.03 |
| 31 | 630.0 | 17.30 | 17.47 | -1.03 |
| 32 | 800.0 | 16.00 | 15.70 | 1.86 |



| | | | |
|----------------------|--------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: REQ40 | Date: 5-3-90 | Azimuth: N-150 -S | |
| Equipment: SYSCALR2E | Sounding: 40 | | |

DATA SET: REQ41

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 800.00
 SOUNDING COORDINATES: X: 650650.0000 Y: 4378800.0000

DATE: 6-3-90
 SOUNDING: 41
 AZIMUTH: N-185
 EQUIPMENT: SYSCALR2E

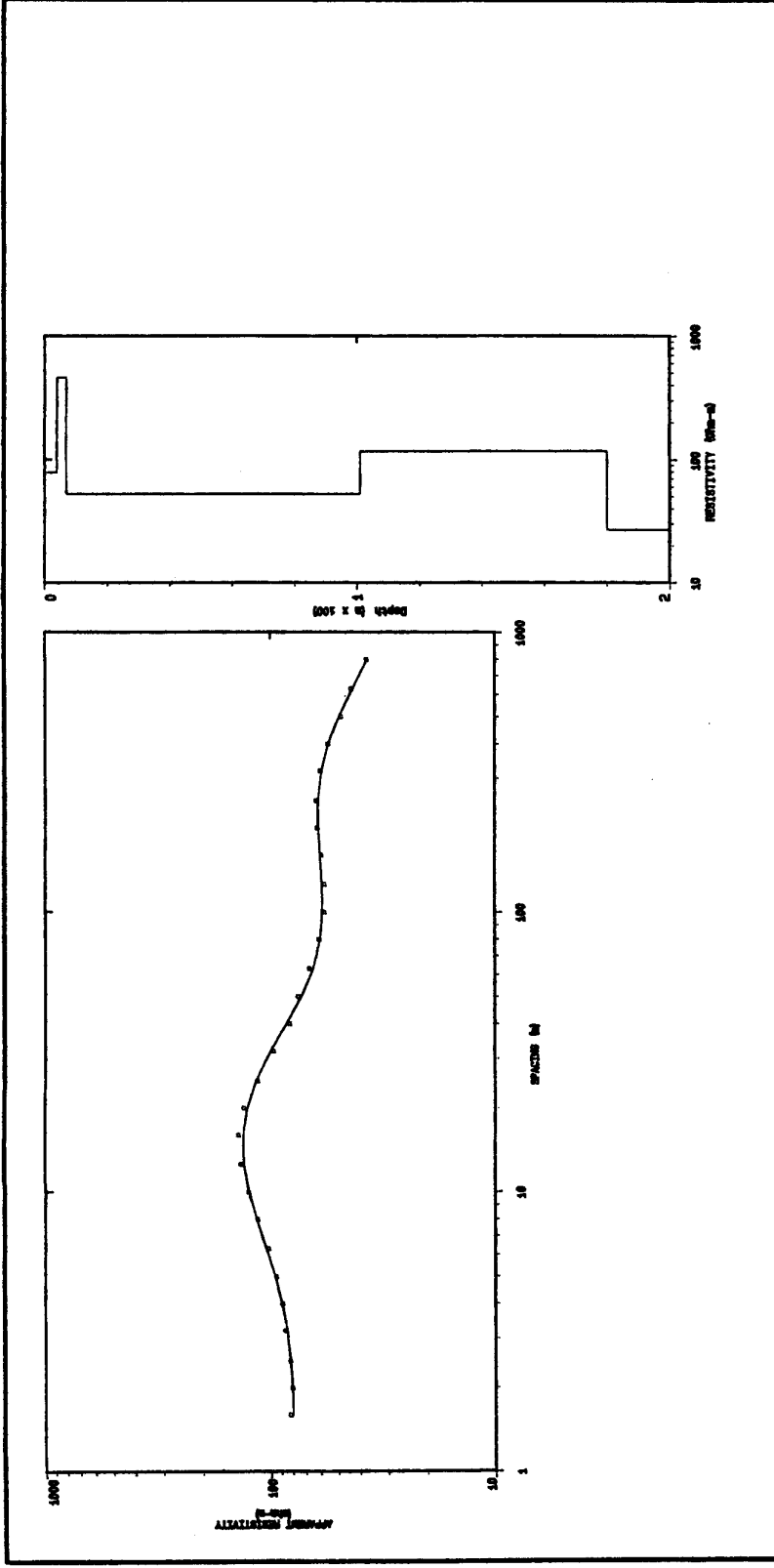
Schlumberger Configuration

FITTING ERROR: 2.292 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 800.0 | |
| 1 | 79.00 | | 3.80 | 796.2 | 0.0481 |
| 2 | 465.0 | | 3.10 | 793.1 | 0.00667 |
| 3 | 53.00 | | 94.10 | 699.0 | 1.77 |
| 4 | 118.0 | | 79.00 | 620.0 | 0.669 |
| 5 | 27.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 76.80 | 74.78 | 2.62 |
| 2 | 2.00 | 75.30 | 75.53 | -0.307 |
| 3 | 2.50 | 76.90 | 76.88 | 0.0190 |
| 4 | 3.20 | 80.90 | 79.56 | 1.64 |
| 5 | 4.00 | 83.30 | 83.61 | -0.375 |
| 6 | 5.00 | 88.50 | 89.68 | -1.34 |
| 7 | 6.30 | 96.10 | 98.16 | -2.14 |
| 8 | 8.00 | 107.1 | 108.3 | -1.12 |
| 9 | 10.00 | 117.7 | 117.1 | 0.452 |
| 10 | 12.60 | 127.0 | 123.3 | 2.89 |
| 11 | 12.60 | 122.3 | 118.7 | 2.89 |
| 12 | 16.00 | 125.4 | 119.6 | 4.59 |
| 13 | 20.00 | 118.6 | 114.6 | 3.32 |
| 14 | 25.00 | 102.6 | 104.5 | -1.92 |
| 15 | 32.00 | 87.10 | 89.84 | -3.15 |
| 16 | 40.00 | 73.90 | 76.41 | -3.40 |
| 17 | 50.00 | 67.70 | 65.47 | 3.28 |
| 18 | 50.00 | 68.80 | 66.53 | 3.28 |
| 19 | 63.00 | 61.50 | 58.93 | 4.17 |
| 20 | 80.00 | 55.50 | 54.92 | 1.03 |
| 21 | 100.0 | 52.60 | 53.67 | -2.03 |
| 22 | 126.0 | 52.60 | 53.90 | -2.49 |
| 23 | 160.0 | 54.20 | 54.99 | -1.46 |
| 24 | 200.0 | 56.60 | 56.00 | 1.05 |
| 25 | 200.0 | 61.40 | 60.75 | 1.05 |
| 26 | 250.0 | 62.00 | 60.88 | 1.79 |
| 27 | 320.0 | 59.50 | 58.86 | 1.06 |
| 28 | 400.0 | 54.90 | 54.76 | 0.250 |
| 29 | 500.0 | 47.90 | 49.01 | -2.33 |
| 30 | 630.0 | 43.20 | 42.54 | 1.52 |
| 31 | 630.0 | 43.50 | 42.83 | 1.52 |
| 32 | 800.0 | 37.20 | 36.91 | 0.767 |



| | | | |
|----------------------|--------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: REQ41 | Date: 6-3-90 | Azimuth: N-185 | |
| Equipment: SYSCALP2E | Sounding: 41 | | |

DATA SET: 42

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 600.00
 SOUNDING COORDINATES: X: 650550.0000 Y: 4367950.0000

DATE: 17-11-89
 SOUNDING: 42
 AZIMUTH: E-25 -S
 EQUIPMENT: SYSCALR2E

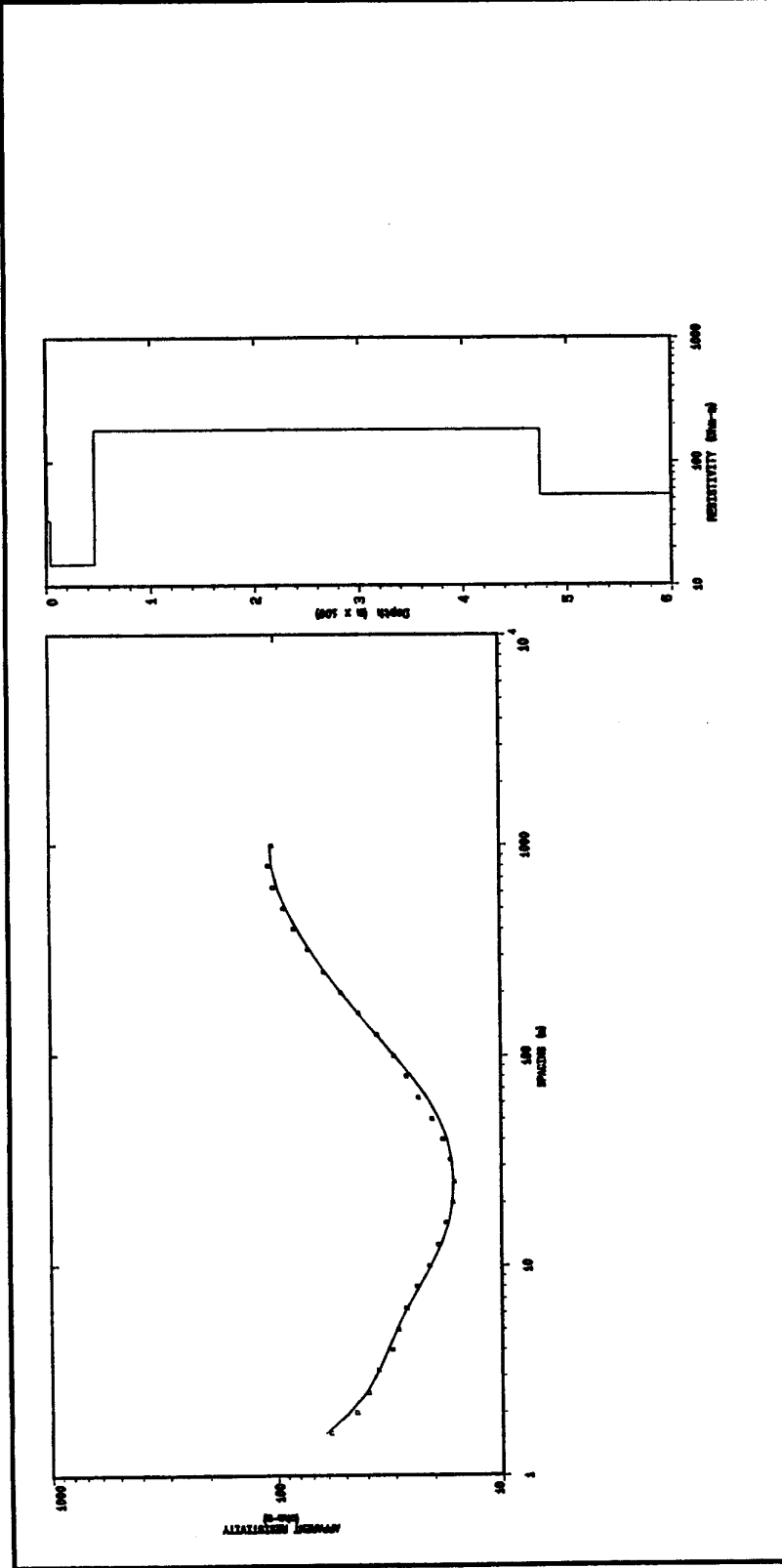
Schlumberger Configuration

FITTING ERROR: 3.764 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 600.0 | |
| 1 | 177.0 | | 0.500 | 599.5 | 0.00282 |
| 2 | 34.00 | | 3.10 | 596.4 | 0.0911 |
| 3 | 15.00 | | 42.40 | 554.0 | 2.82 |
| 4 | 184.0 | | 428.0 | 126.0 | 2.32 |
| 5 | 54.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 69.60 | 73.01 | -4.90 |
| 2 | 2.00 | 53.10 | 57.42 | -8.13 |
| 3 | 2.50 | 47.00 | 47.94 | -2.00 |
| 4 | 3.20 | 42.50 | 42.05 | 1.05 |
| 5 | 4.00 | 36.80 | 38.47 | -4.54 |
| 6 | 5.00 | 34.60 | 35.13 | -1.54 |
| 7 | 6.30 | 31.80 | 31.47 | 1.00 |
| 8 | 8.00 | 28.50 | 27.68 | 2.87 |
| 9 | 10.00 | 25.00 | 24.53 | 1.84 |
| 10 | 12.60 | 22.80 | 22.05 | 3.27 |
| 11 | 12.60 | 21.70 | 20.98 | 3.27 |
| 12 | 16.00 | 20.00 | 19.42 | 2.87 |
| 13 | 20.00 | 18.60 | 18.67 | -0.384 |
| 14 | 25.00 | 18.30 | 18.46 | -0.887 |
| 15 | 32.00 | 19.10 | 18.80 | 1.53 |
| 16 | 40.00 | 20.60 | 19.72 | 4.27 |
| 17 | 50.00 | 23.00 | 21.40 | 6.93 |
| 18 | 50.00 | 21.80 | 20.28 | 6.93 |
| 19 | 63.00 | 25.10 | 22.96 | 8.51 |
| 20 | 80.00 | 28.40 | 27.04 | 4.77 |
| 21 | 100.0 | 32.20 | 32.14 | 0.165 |
| 22 | 126.0 | 38.30 | 38.70 | -1.05 |
| 23 | 160.0 | 46.10 | 46.75 | -1.42 |
| 24 | 200.0 | 55.10 | 55.36 | -0.488 |
| 25 | 200.0 | 51.60 | 51.85 | -0.488 |
| 26 | 250.0 | 61.50 | 60.79 | 1.14 |
| 27 | 320.0 | 72.30 | 71.44 | 1.18 |
| 28 | 400.0 | 83.70 | 81.30 | 2.86 |
| 29 | 500.0 | 92.90 | 90.67 | 2.39 |
| 30 | 630.0 | 102.8 | 98.87 | 3.81 |
| 31 | 630.0 | 102.2 | 98.29 | 3.81 |
| 32 | 800.0 | 107.5 | 103.8 | 3.41 |
| 33 | 1000.0 | 103.2 | 105.2 | -1.98 |



| | | | |
|----------------------|----------------|------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA | |
| Data Set: 42 | | VALENCIA | |
| Equipment: SYSCALR2E | Date: 17-11-89 | Azimuth: E-25 -S | |
| | Sounding: 42 | | |

DATA SET: REQ43

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 755.00
 SOUNDING COORDINATES: X: 651300.0000 Y: 4384125.0000

DATE: 16-3-90
 SOUNDING: 43
 AZIMUTH: N-135
 EQUIPMENT: SYSCALR2E

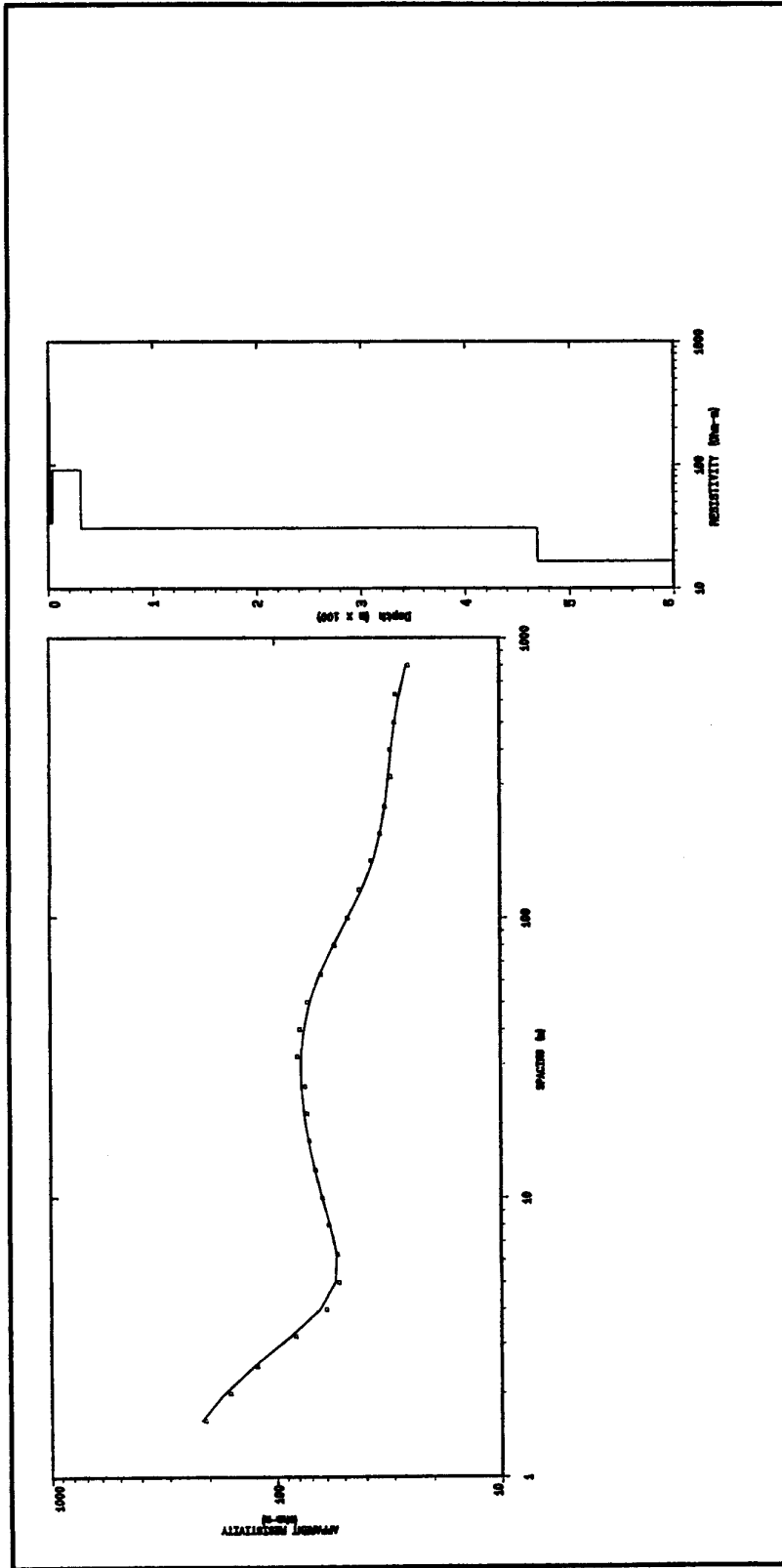
Schlumberger Configuration

FITTING ERROR: 2.916 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 755.0 | |
| 1 | 328.0 | | 1.00 | 754.0 | 0.00305 |
| 2 | 34.00 | | 2.50 | 751.5 | 0.0735 |
| 3 | 92.00 | | 27.50 | 724.0 | 0.298 |
| 4 | 31.00 | | 438.0 | 286.0 | 14.12 |
| 5 | 16.60 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 181.6 | 187.6 | -3.33 |
| 2 | 2.00 | 140.0 | 148.5 | -6.08 |
| 3 | 2.50 | 106.1 | 109.4 | -3.17 |
| 4 | 3.20 | 71.40 | 74.81 | -4.78 |
| 5 | 4.00 | 52.10 | 55.69 | -6.89 |
| 6 | 5.00 | 45.80 | 47.57 | -3.88 |
| 7 | 6.30 | 46.50 | 46.91 | -0.896 |
| 8 | 8.00 | 50.60 | 50.15 | 0.888 |
| 9 | 10.00 | 54.20 | 54.29 | -0.177 |
| 10 | 12.60 | 58.30 | 58.62 | -0.564 |
| 11 | 12.60 | 59.80 | 60.13 | -0.564 |
| 12 | 16.00 | 63.60 | 64.22 | -0.982 |
| 13 | 20.00 | 64.80 | 67.18 | -3.67 |
| 14 | 25.00 | 66.20 | 68.93 | -4.12 |
| 15 | 32.00 | 71.50 | 69.01 | 3.48 |
| 16 | 40.00 | 69.70 | 67.02 | 3.83 |
| 17 | 50.00 | 64.40 | 62.91 | 2.30 |
| 18 | 50.00 | 62.80 | 61.34 | 2.30 |
| 19 | 63.00 | 54.50 | 55.26 | -1.39 |
| 20 | 80.00 | 47.40 | 47.85 | -0.970 |
| 21 | 100.0 | 41.20 | 41.18 | 0.0424 |
| 22 | 126.0 | 36.60 | 35.59 | 2.74 |
| 23 | 160.0 | 32.40 | 31.68 | 2.21 |
| 24 | 200.0 | 29.60 | 29.48 | 0.386 |
| 25 | 200.0 | 31.90 | 31.77 | 0.386 |
| 26 | 250.0 | 30.40 | 30.36 | 0.111 |
| 27 | 320.0 | 28.60 | 29.31 | -2.49 |
| 28 | 400.0 | 28.80 | 28.44 | 1.22 |
| 29 | 500.0 | 27.50 | 27.43 | 0.223 |
| 30 | 630.0 | 27.10 | 26.08 | 3.74 |
| 31 | 630.0 | 29.00 | 27.91 | 3.74 |
| 32 | 800.0 | 25.50 | 26.01 | -2.00 |



| | | | |
|----------------------|---------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: REQ43 | Date: 16-3-90 | Azimuth: N-135 | |
| Equipment: SYSCALP2E | Sounding: 43 | | |

DATA SET: 44

CLIENT: ITGE DATE: 5-3-90
 LOCATION: REQUENA SOUNDING: 44
 COUNTY: VALENCIA AZIMUTH: N-150-S
 PROJECT: RESISTIVIDAD EQUIPMENT: SYSCALR2E
 ELEVATION: 740.00
 SOUNDING COORDINATES: X: 651200.0000 Y: 4381125.0000

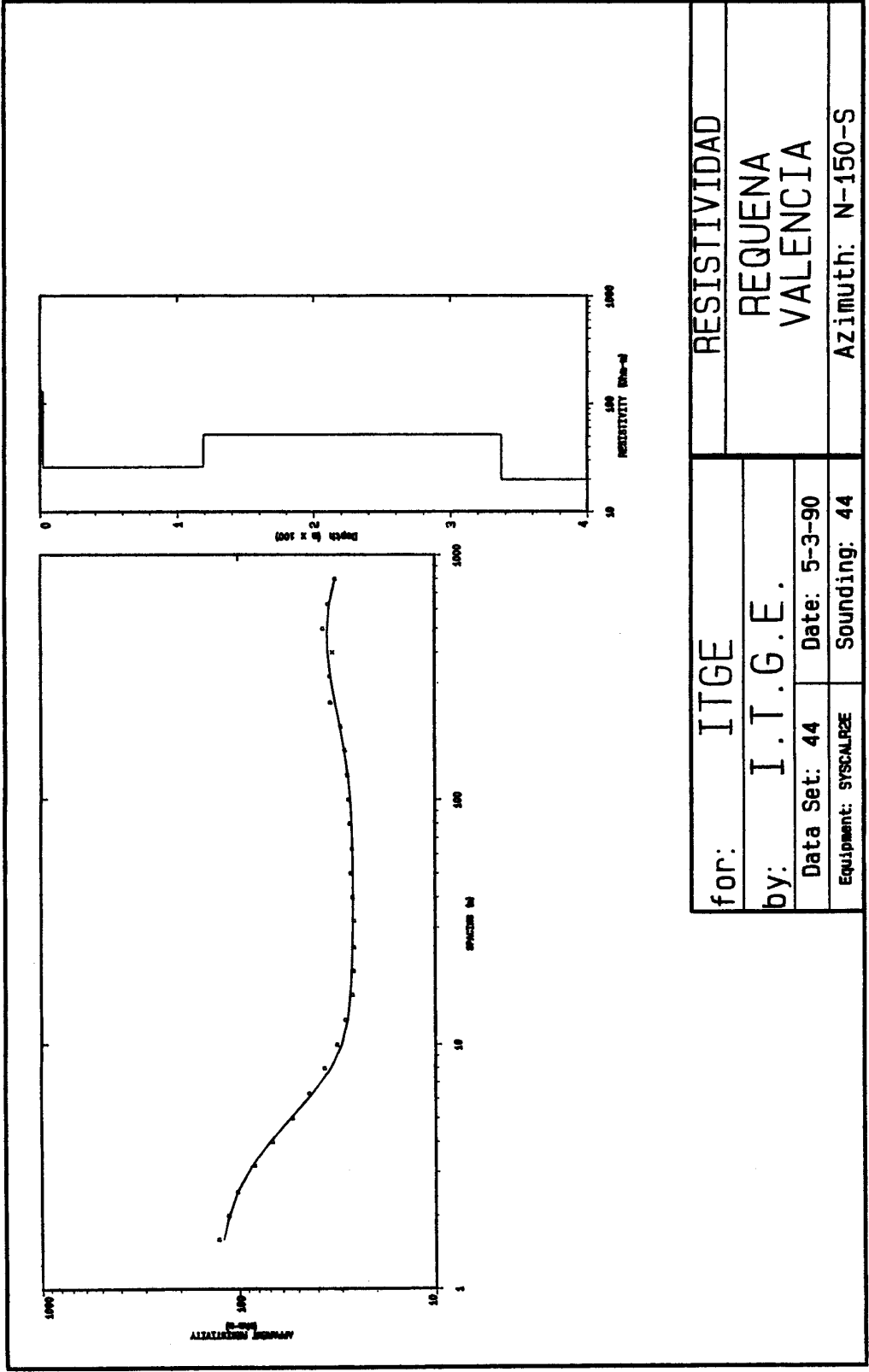
Schlumberger Configuration

FITTING ERROR: 2.992 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 740.0 | |
| 1 | 131.0 | | 1.80 | 738.2 | 0.0137 |
| 2 | 26.00 | | 117.2 | 621.0 | 4.50 |
| 3 | 52.00 | | 218.0 | 403.0 | 4.19 |
| 4 | 20.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 124.3 | 117.1 | 5.76 |
| 2 | 2.00 | 110.5 | 109.8 | 0.573 |
| 3 | 2.50 | 99.20 | 99.26 | -0.0701 |
| 4 | 3.20 | 81.30 | 83.83 | -3.12 |
| 5 | 4.00 | 66.10 | 68.10 | -3.03 |
| 6 | 5.00 | 52.10 | 53.22 | -2.16 |
| 7 | 6.30 | 42.80 | 41.12 | 3.91 |
| 8 | 8.00 | 35.70 | 33.17 | 7.08 |
| 9 | 10.00 | 30.90 | 29.23 | 5.39 |
| 10 | 12.60 | 28.00 | 27.31 | 2.46 |
| 11 | 12.60 | 27.80 | 27.11 | 2.46 |
| 12 | 16.00 | 25.60 | 26.21 | -2.40 |
| 13 | 20.00 | 25.20 | 25.79 | -2.34 |
| 14 | 25.00 | 25.10 | 25.55 | -1.81 |
| 15 | 32.00 | 25.00 | 25.42 | -1.69 |
| 16 | 40.00 | 25.50 | 25.37 | 0.473 |
| 17 | 50.00 | 26.00 | 25.39 | 2.33 |
| 18 | 50.00 | 28.60 | 27.93 | 2.33 |
| 19 | 63.00 | 28.20 | 28.03 | 0.577 |
| 20 | 80.00 | 28.90 | 28.29 | 2.08 |
| 21 | 100.0 | 29.30 | 28.75 | 1.86 |
| 22 | 126.0 | 29.70 | 29.55 | 0.504 |
| 23 | 160.0 | 30.60 | 30.81 | -0.718 |
| 24 | 200.0 | 32.10 | 32.42 | -1.00 |
| 25 | 200.0 | 31.30 | 31.61 | -1.00 |
| 26 | 250.0 | 35.30 | 33.42 | 5.32 |
| 27 | 320.0 | 35.50 | 35.31 | 0.534 |
| 28 | 400.0 | 34.40 | 36.46 | -5.98 |
| 29 | 500.0 | 38.50 | 36.67 | 4.74 |
| 30 | 630.0 | 36.20 | 35.67 | 1.45 |
| 31 | 630.0 | 34.90 | 34.39 | 1.45 |
| 32 | 800.0 | 32.20 | 32.23 | -0.111 |



| | | | |
|----------------------|--------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: 44 | Date: 5-3-90 | Azimuth: N-150-S | |
| Equipment: SYSCALRBE | Sounding: 44 | | |

DATA SET: REQ45

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 780.00
 SOUNDING COORDINATES: X: 652050.0000 Y: 4379825.0000

DATE: 27-2-90
 SOUNDING: 45
 AZIMUTH: N-150 -S
 EQUIPMENT: SYSCALR2E

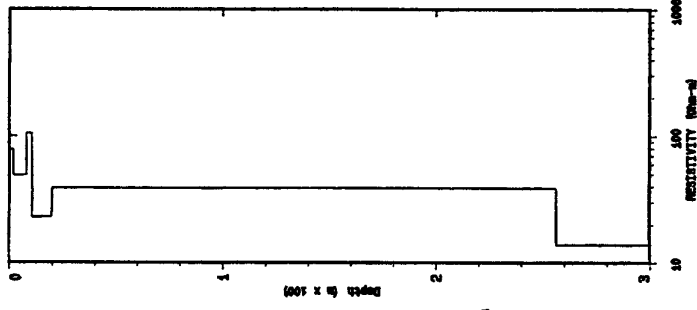
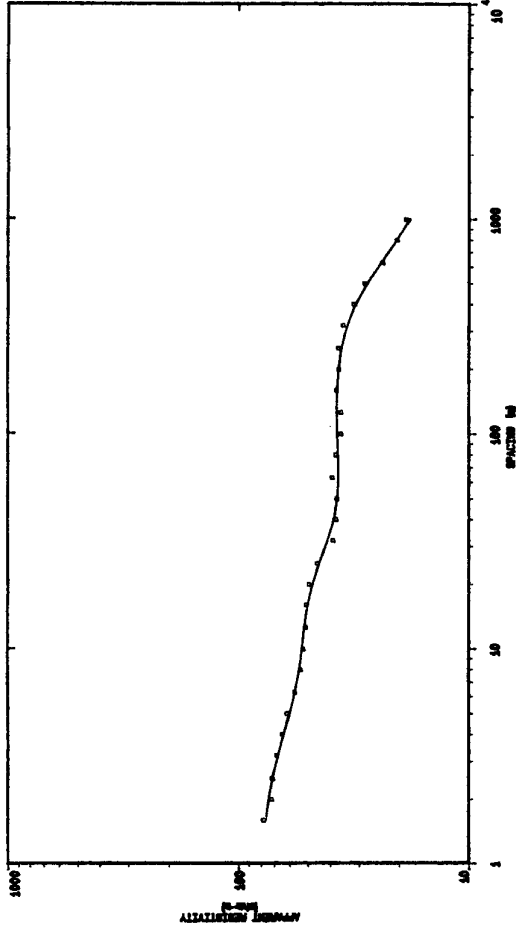
Schlumberger Configuration

FITTING ERROR: 2.573 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 780.0 | |
| 1 | 79.00 | | 1.70 | 778.2 | 0.0215 |
| 2 | 49.00 | | 6.10 | 772.2 | 0.124 |
| 3 | 106.0 | | 2.70 | 769.5 | 0.0254 |
| 4 | 23.00 | | 9.20 | 760.2 | 0.400 |
| 5 | 39.00 | | 236.3 | 524.0 | 6.05 |
| 6 | 14.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 73.30 | 71.50 | 2.44 |
| 2 | 2.00 | 67.60 | 69.75 | -3.18 |
| 3 | 2.50 | 66.80 | 67.21 | -0.627 |
| 4 | 3.20 | 64.20 | 63.57 | 0.977 |
| 5 | 4.00 | 60.60 | 59.87 | 1.19 |
| 6 | 5.00 | 57.80 | 56.32 | 2.54 |
| 7 | 6.30 | 53.50 | 53.30 | 0.357 |
| 8 | 8.00 | 50.40 | 51.11 | -1.41 |
| 9 | 10.00 | 49.10 | 49.76 | -1.35 |
| 10 | 12.60 | 47.90 | 48.62 | -1.51 |
| 11 | 12.60 | 49.50 | 50.25 | -1.51 |
| 12 | 16.00 | 49.20 | 48.62 | 1.16 |
| 13 | 20.00 | 47.90 | 46.28 | 3.36 |
| 14 | 25.00 | 44.20 | 43.24 | 2.16 |
| 15 | 32.00 | 37.70 | 39.78 | -5.54 |
| 16 | 40.00 | 36.50 | 37.38 | -2.43 |
| 17 | 50.00 | 36.20 | 36.05 | 0.395 |
| 18 | 50.00 | 35.80 | 35.65 | 0.395 |
| 19 | 63.00 | 37.60 | 35.26 | 6.20 |
| 20 | 80.00 | 36.30 | 35.43 | 2.39 |
| 21 | 100.0 | 34.50 | 35.71 | -3.53 |
| 22 | 126.0 | 34.50 | 35.90 | -4.06 |
| 23 | 160.0 | 36.00 | 35.80 | 0.528 |
| 24 | 200.0 | 35.20 | 35.33 | -0.374 |
| 25 | 200.0 | 37.20 | 37.33 | -0.374 |
| 26 | 250.0 | 37.30 | 36.27 | 2.75 |
| 27 | 320.0 | 35.60 | 34.23 | 3.84 |
| 28 | 400.0 | 32.00 | 31.51 | 1.50 |
| 29 | 500.0 | 28.80 | 28.12 | 2.35 |
| 30 | 630.0 | 24.00 | 24.32 | -1.36 |
| 31 | 630.0 | 23.70 | 24.02 | -1.36 |
| 32 | 800.0 | 20.50 | 20.49 | 0.00300 |
| 33 | 1000.0 | 18.70 | 17.97 | 3.88 |



| | | | |
|----------------------|---------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: REQ45 | Date: 27-2-90 | Azimuth: N-150 -S | |
| Equipment: SYSCALR2E | Sounding: 45 | | |

DATA SET: 46

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 840.00
 SOUNDING COORDINATES: X: 651425.0000 Y: 4377550.0000

DATE: 2-3-90
 SOUNDING: 46
 AZIMUTH: N-180-S
 EQUIPMENT: SYSCALR2E

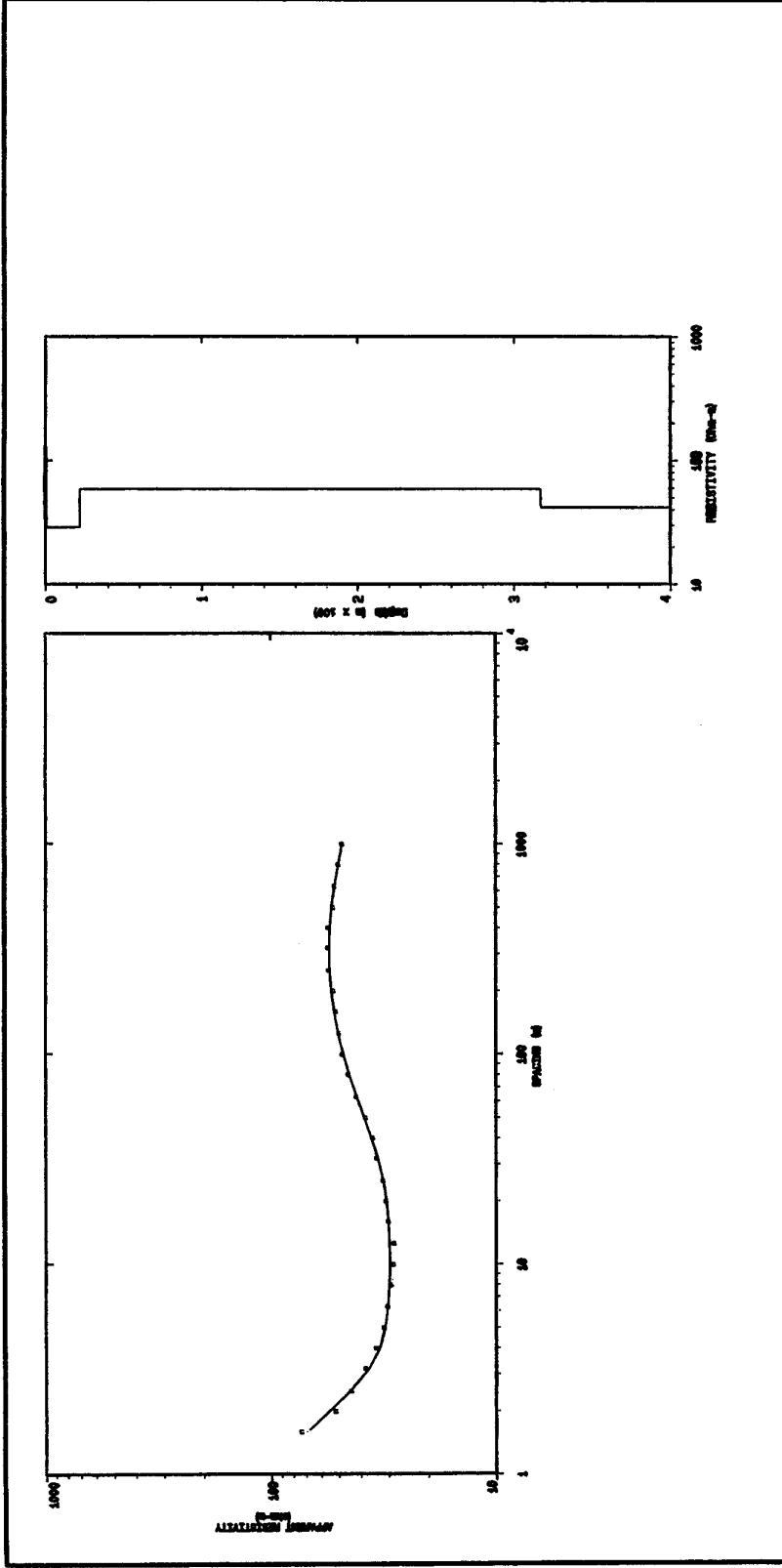
Schlumberger Configuration

FITTING ERROR: 2.424 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 840.0 | |
| 1 | 129.0 | | 0.700 | 839.2 | 0.00543 |
| 2 | 29.00 | | 21.30 | 818.0 | 0.734 |
| 3 | 59.00 | | 295.0 | 523.0 | 5.00 |
| 4 | 42.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 1.60 | 69.50 | 65.74 | 5.40 |
| 2 | 2.00 | 48.90 | 52.33 | -7.01 |
| 3 | 2.50 | 41.60 | 41.87 | -0.664 |
| 4 | 3.20 | 36.00 | 34.54 | 4.03 |
| 5 | 4.00 | 32.30 | 31.05 | 3.85 |
| 6 | 5.00 | 29.80 | 29.35 | 1.49 |
| 7 | 6.30 | 28.70 | 28.52 | 0.625 |
| 8 | 8.00 | 27.70 | 28.11 | -1.49 |
| 9 | 10.00 | 27.10 | 27.97 | -3.23 |
| 10 | 12.60 | 26.90 | 28.03 | -4.21 |
| 11 | 12.60 | 27.60 | 28.76 | -4.21 |
| 12 | 16.00 | 29.30 | 29.07 | 0.757 |
| 13 | 20.00 | 30.00 | 29.68 | 1.04 |
| 14 | 25.00 | 30.90 | 30.71 | 0.589 |
| 15 | 32.00 | 32.90 | 32.49 | 1.23 |
| 16 | 40.00 | 34.20 | 34.70 | -1.47 |
| 17 | 50.00 | 36.90 | 37.38 | -1.31 |
| 18 | 50.00 | 37.20 | 37.69 | -1.31 |
| 19 | 63.00 | 40.90 | 40.76 | 0.328 |
| 20 | 80.00 | 44.50 | 43.95 | 1.23 |
| 21 | 100.0 | 47.20 | 46.71 | 1.02 |
| 22 | 126.0 | 48.80 | 49.21 | -0.852 |
| 23 | 160.0 | 50.50 | 51.31 | -1.60 |
| 24 | 200.0 | 51.70 | 52.76 | -2.05 |
| 25 | 200.0 | 53.00 | 54.08 | -2.05 |
| 26 | 250.0 | 55.60 | 55.02 | 1.03 |
| 27 | 320.0 | 56.00 | 55.37 | 1.12 |
| 28 | 400.0 | 55.70 | 55.00 | 1.24 |
| 29 | 500.0 | 53.10 | 53.98 | -1.65 |
| 30 | 630.0 | 52.30 | 52.30 | -0.00889 |
| 31 | 630.0 | 52.30 | 52.30 | -0.00889 |
| 32 | 800.0 | 50.20 | 50.16 | 0.0719 |
| 33 | 1000.0 | 48.40 | 48.11 | 0.588 |



| | | | |
|----------------------|--------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: 46 | Date: 2-3-90 | Azimuth: N-180-S | |
| Equipment: SYSCALR2E | Sounding: 46 | | |

DATA SET: REQ47

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 600.00
 SOUNDING COORDINATES: X: 651150.0000 Y: 4369250.0000

DATE: 20-11-89
 SOUNDING: 47
 AZIMUTH: S-30 -E
 EQUIPMENT: SYSCALR2E

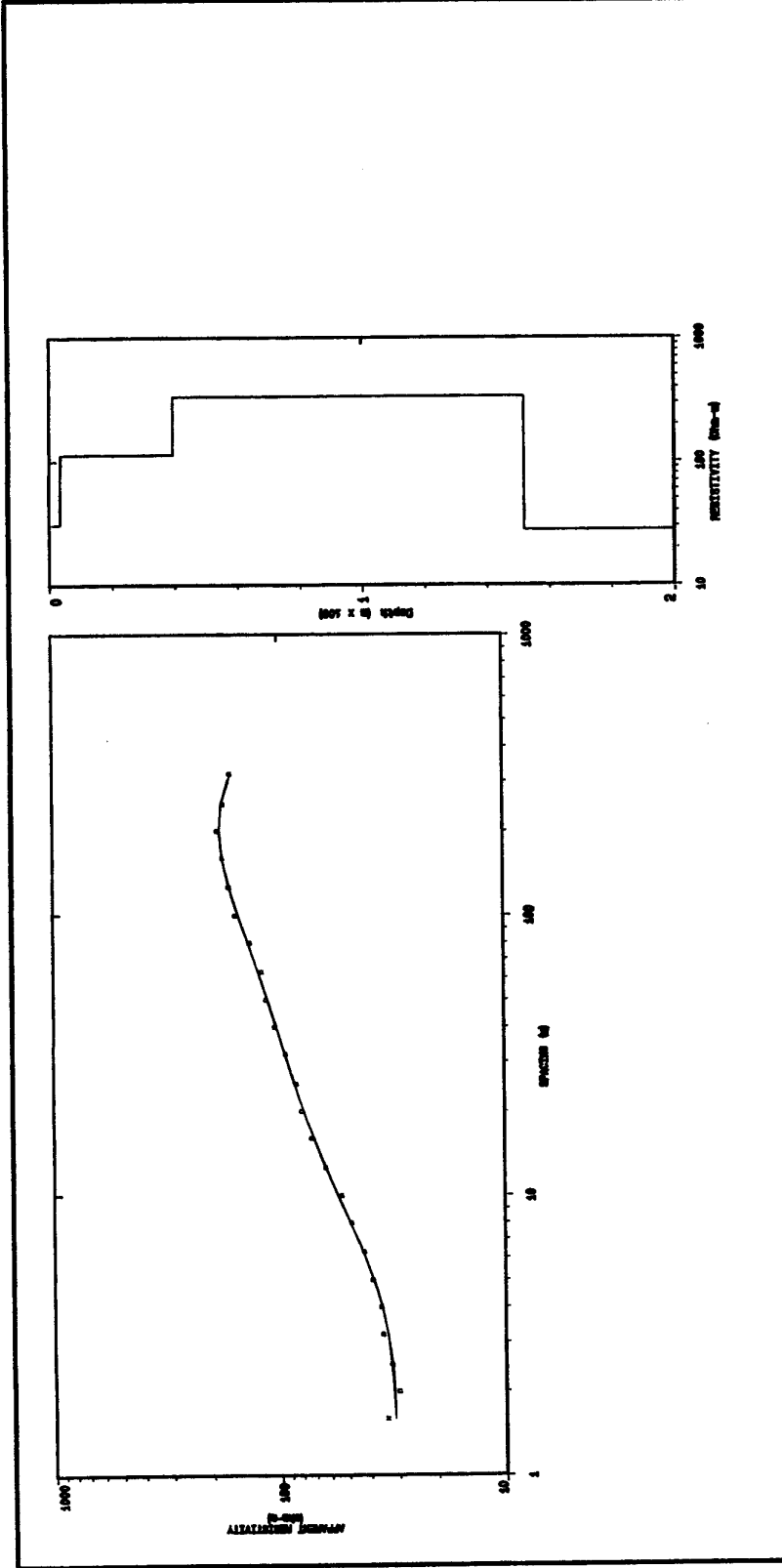
Schlumberger Configuration

FITTING ERROR: 2.356 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 600.0 | |
| 1 | 30.80 | | 3.50 | 596.5 | 0.113 |
| 2 | 114.0 | | 36.00 | 560.5 | 0.315 |
| 3 | 339.0 | | 112.5 | 448.0 | 0.331 |
| 4 | 28.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 39.90 | 36.95 | 7.39 |
| 2 | 2.00 | 35.60 | 37.39 | -5.04 |
| 3 | 2.50 | 38.30 | 38.20 | 0.259 |
| 4 | 3.20 | 42.00 | 39.78 | 5.26 |
| 5 | 4.00 | 42.60 | 42.18 | 0.976 |
| 6 | 5.00 | 46.30 | 45.82 | 1.02 |
| 7 | 6.30 | 50.60 | 51.12 | -1.03 |
| 8 | 8.00 | 57.30 | 58.17 | -1.52 |
| 9 | 10.00 | 63.40 | 65.90 | -3.95 |
| 10 | 12.60 | 74.60 | 74.67 | -0.104 |
| 11 | 12.60 | 72.50 | 72.57 | -0.104 |
| 12 | 16.00 | 83.60 | 81.80 | 2.15 |
| 13 | 20.00 | 92.50 | 90.56 | 2.08 |
| 14 | 25.00 | 97.50 | 99.40 | -1.95 |
| 15 | 32.00 | 108.5 | 109.3 | -0.806 |
| 16 | 40.00 | 120.6 | 118.9 | 1.37 |
| 17 | 50.00 | 132.1 | 129.6 | 1.84 |
| 18 | 50.00 | 120.6 | 118.3 | 1.84 |
| 19 | 63.00 | 125.8 | 130.2 | -3.56 |
| 20 | 80.00 | 141.6 | 144.8 | -2.28 |
| 21 | 100.0 | 165.0 | 159.8 | 3.09 |
| 22 | 126.0 | 175.1 | 175.1 | -0.0332 |
| 23 | 160.0 | 187.0 | 187.5 | -0.282 |
| 24 | 200.0 | 197.7 | 192.6 | 2.57 |
| 25 | 200.0 | 188.3 | 183.4 | 2.57 |
| 26 | 250.0 | 176.2 | 179.4 | -1.85 |
| 27 | 320.0 | 163.7 | 162.9 | 0.473 |



| | | | |
|-----------------|----------------------|------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA | |
| Data Set: REQ47 | | VALENCIA | |
| Date: 20-11-89 | Equipment: SYSCALP2E | Azimuth: S-30 -E | |
| Sounding: 47 | | | |

DATA SET: REQ51

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 740.00
 SOUNDING COORDINATES: X: 653200.0000 Y: 4380475.0000

DATE: 27-2-90
 SOUNDING: 51
 AZIMUTH: N-130 -S
 EQUIPMENT: SYSCALR2E

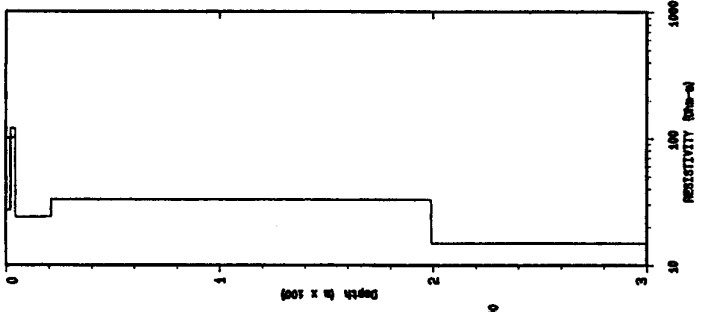
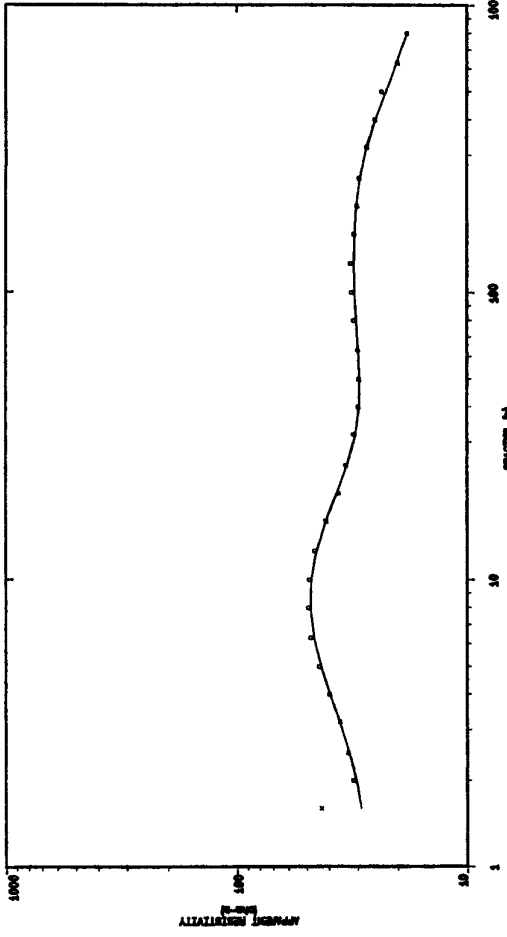
Schlumberger Configuration

FITTING ERROR: 1.788 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 740.0 | |
| 1 | 27.00 | | 1.90 | 738.0 | 0.0703 |
| 2 | 120.0 | | 2.30 | 735.7 | 0.0191 |
| 3 | 24.00 | | 16.80 | 719.0 | 0.700 |
| 4 | 33.00 | | 178.0 | 541.0 | 5.39 |
| 5 | 15.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 38.70 | 26.04 | 32.69 |
| 2 | 2.00 | 28.10 | 27.33 | 2.73 |
| 3 | 2.50 | 29.60 | 29.29 | 1.04 |
| 4 | 3.20 | 32.20 | 32.30 | -0.335 |
| 5 | 4.00 | 35.70 | 35.60 | 0.276 |
| 6 | 5.00 | 39.60 | 38.94 | 1.66 |
| 7 | 6.30 | 43.20 | 41.75 | 3.34 |
| 8 | 8.00 | 44.30 | 43.23 | 2.40 |
| 9 | 10.00 | 43.70 | 42.86 | 1.91 |
| 10 | 12.60 | 41.30 | 40.67 | 1.52 |
| 11 | 12.60 | 48.50 | 47.76 | 1.52 |
| 12 | 16.00 | 43.40 | 43.46 | -0.145 |
| 13 | 20.00 | 38.30 | 38.97 | -1.75 |
| 14 | 25.00 | 35.60 | 35.07 | 1.47 |
| 15 | 32.00 | 32.90 | 32.25 | 1.96 |
| 16 | 40.00 | 31.50 | 31.14 | 1.12 |
| 17 | 50.00 | 31.30 | 31.04 | 0.814 |
| 18 | 50.00 | 29.70 | 29.45 | 0.814 |
| 19 | 63.00 | 30.00 | 29.88 | 0.377 |
| 20 | 80.00 | 31.30 | 30.47 | 2.63 |
| 21 | 100.0 | 31.90 | 30.92 | 3.04 |
| 22 | 126.0 | 32.20 | 31.15 | 3.24 |
| 23 | 160.0 | 31.10 | 31.01 | 0.261 |
| 24 | 200.0 | 30.20 | 30.43 | -0.771 |
| 25 | 200.0 | 29.40 | 29.62 | -0.771 |
| 26 | 250.0 | 28.70 | 28.52 | 0.621 |
| 27 | 320.0 | 26.60 | 26.61 | -0.0729 |
| 28 | 400.0 | 24.50 | 24.39 | 0.445 |
| 29 | 500.0 | 22.90 | 21.96 | 4.09 |
| 30 | 630.0 | 19.50 | 19.62 | -0.625 |
| 31 | 630.0 | 20.00 | 20.12 | -0.625 |
| 32 | 800.0 | 18.20 | 18.16 | 0.165 |



for: ITGE

by: I.T.G.E.

Data Set: RE051 Date: 27-2-90

Equipment: SYSCALR2E Sounding: 51

RESISTIVIDAD

REQUENA
VALENCIA

Azimuth: N-130 -S

DATA SET: REQ52

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 795.00
 SOUNDING COORDINATES: X: 652500.0000 Y: 4377850.0000

DATE: 2-3-90
 SOUNDING: 52
 AZIMUTH: N-165-S
 EQUIPMENT: SYSCALR2E

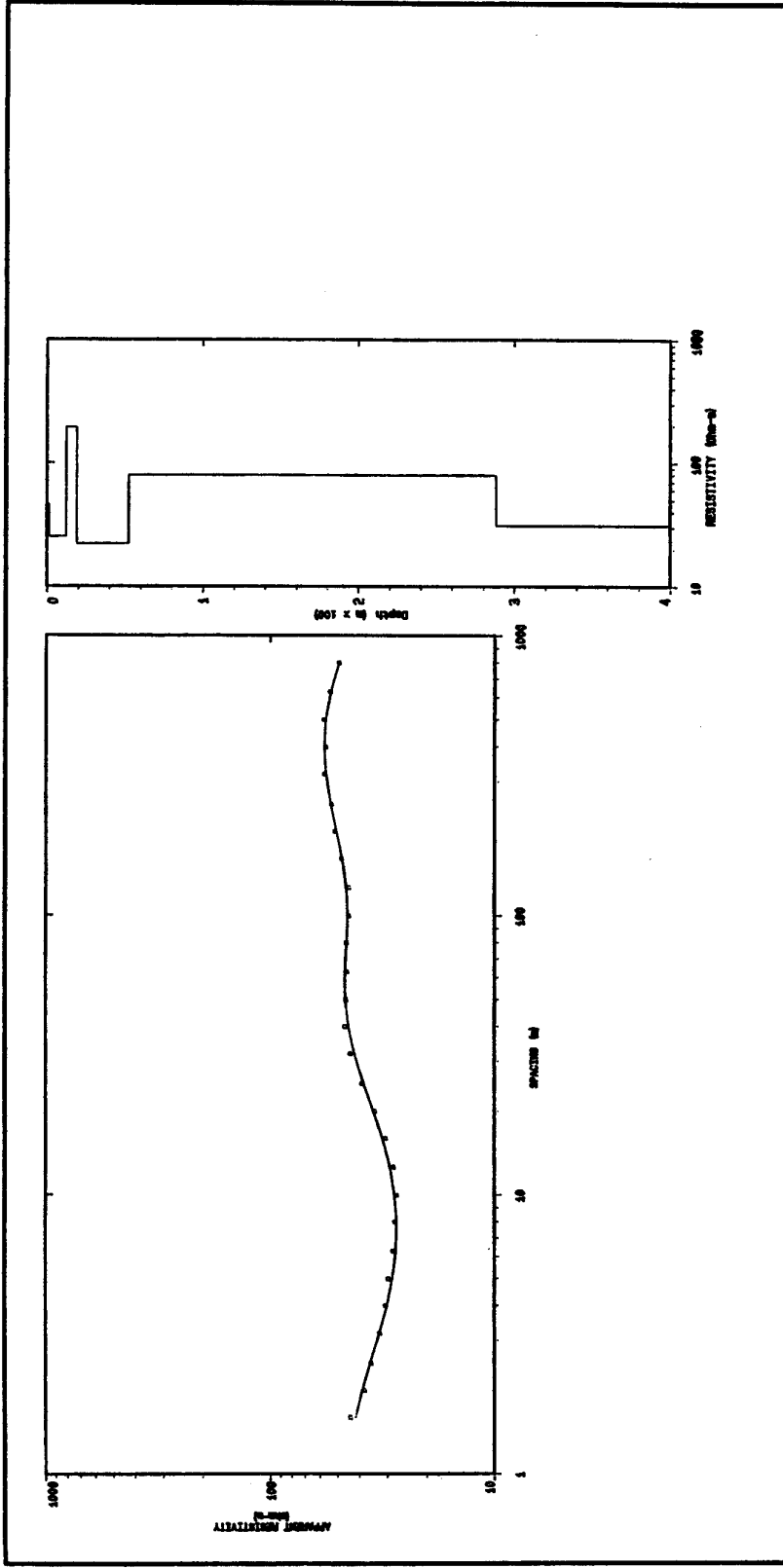
Schlumberger Configuration

FITTING ERROR: 2.296 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 795.0 | |
| 1 | 47.00 | | 1.10 | 793.9 | 0.0234 |
| 2 | 25.00 | | 10.90 | 783.0 | 0.436 |
| 3 | 196.0 | | 7.00 | 776.0 | 0.0357 |
| 4 | 22.00 | | 33.00 | 743.0 | 1.50 |
| 5 | 80.00 | | 236.0 | 507.0 | 2.95 |
| 6 | 31.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 1.60 | 44.10 | 41.71 | 5.40 |
| 2 | 2.00 | 38.20 | 39.06 | -2.25 |
| 3 | 2.50 | 35.60 | 36.04 | -1.26 |
| 4 | 3.20 | 32.70 | 32.80 | -0.316 |
| 5 | 4.00 | 30.90 | 30.38 | 1.67 |
| 6 | 5.00 | 30.00 | 28.68 | 4.37 |
| 7 | 6.30 | 28.60 | 27.72 | 3.04 |
| 8 | 8.00 | 28.00 | 27.53 | 1.65 |
| 9 | 10.00 | 27.60 | 28.08 | -1.74 |
| 10 | 12.60 | 28.50 | 29.47 | -3.40 |
| 11 | 12.60 | 29.20 | 30.19 | -3.40 |
| 12 | 16.00 | 31.70 | 32.69 | -3.12 |
| 13 | 20.00 | 35.30 | 35.90 | -1.72 |
| 14 | 25.00 | 40.20 | 39.63 | 1.40 |
| 15 | 32.00 | 45.40 | 43.61 | 3.93 |
| 16 | 40.00 | 47.90 | 46.36 | 3.20 |
| 17 | 50.00 | 47.50 | 47.84 | -0.736 |
| 18 | 50.00 | 43.90 | 44.22 | -0.736 |
| 19 | 63.00 | 43.50 | 44.38 | -2.03 |
| 20 | 80.00 | 43.60 | 43.72 | -0.291 |
| 21 | 100.0 | 42.70 | 43.22 | -1.23 |
| 22 | 126.0 | 42.70 | 43.71 | -2.37 |
| 23 | 160.0 | 46.00 | 45.67 | 0.703 |
| 24 | 200.0 | 49.20 | 48.49 | 1.42 |
| 25 | 200.0 | 45.10 | 44.45 | 1.42 |
| 26 | 250.0 | 46.80 | 47.21 | -0.878 |
| 27 | 320.0 | 50.30 | 49.56 | 1.45 |
| 28 | 400.0 | 49.50 | 50.42 | -1.87 |
| 29 | 500.0 | 50.40 | 49.70 | 1.37 |
| 30 | 630.0 | 47.40 | 47.24 | 0.328 |
| 31 | 630.0 | 54.30 | 54.12 | 0.328 |
| 32 | 800.0 | 49.40 | 49.60 | -0.406 |



| | | | |
|----------------------|--------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: RE052 | Date: 2-3-90 | | |
| Equipment: SYSCALP2E | Sounding: 52 | Azimuth: N-165-S | |

DATA SET: 53

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 760.00
 SOUNDING COORDINATES: X: 652200.0000 Y: 4374750.0000

DATE: 29-11-89
 SOUNDING: 53
 AZIMUTH: E-40-S
 EQUIPMENT: SYSCALR2E

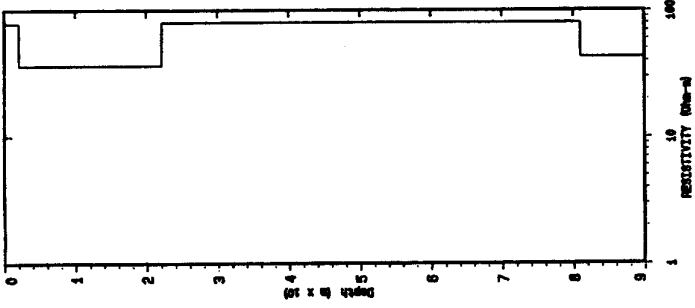
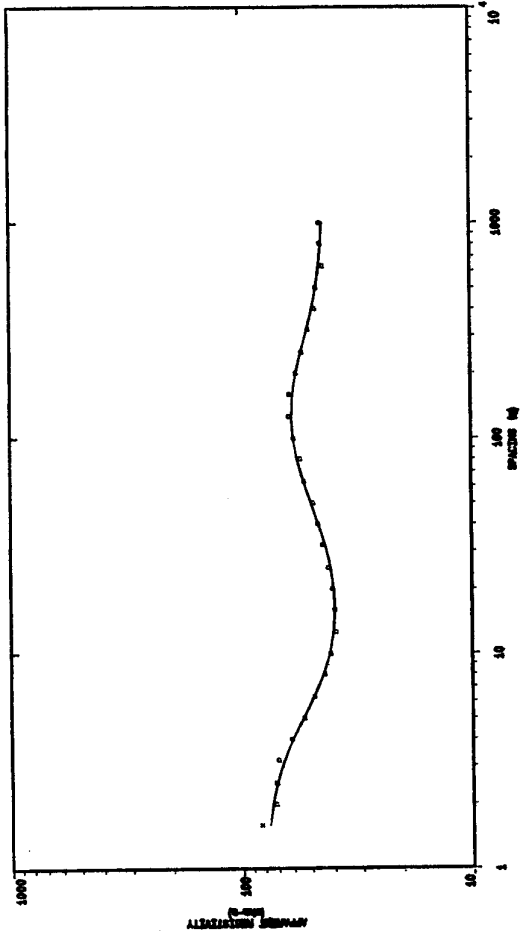
Schlumberger Configuration

FITTING ERROR: 2.198 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 760.0 | |
| 1 | 79.60 | | 2.00 | 758.0 | 0.0251 |
| 2 | 36.60 | | 20.10 | 737.9 | 0.549 |
| 3 | 81.00 | | 58.90 | 679.0 | 0.727 |
| 4 | 43.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 1.60 | 94.90 | 87.49 | 7.79 |
| 2 | 2.00 | 82.00 | 85.07 | -3.75 |
| 3 | 2.50 | 81.40 | 81.36 | 0.0470 |
| 4 | 3.20 | 79.90 | 75.53 | 5.45 |
| 5 | 4.00 | 69.80 | 69.01 | 1.12 |
| 6 | 5.00 | 61.50 | 62.08 | -0.952 |
| 7 | 6.30 | 55.50 | 55.55 | -0.107 |
| 8 | 8.00 | 49.90 | 50.38 | -0.971 |
| 9 | 10.00 | 47.00 | 47.23 | -0.506 |
| 10 | 12.60 | 44.60 | 45.48 | -1.98 |
| 11 | 12.60 | 44.00 | 44.87 | -1.98 |
| 12 | 16.00 | 44.40 | 44.32 | 0.177 |
| 13 | 20.00 | 45.30 | 44.75 | 1.19 |
| 14 | 25.00 | 47.20 | 46.11 | 2.29 |
| 15 | 32.00 | 49.90 | 48.77 | 2.25 |
| 16 | 40.00 | 52.30 | 52.16 | 0.267 |
| 17 | 50.00 | 54.70 | 56.19 | -2.72 |
| 18 | 50.00 | 53.50 | 54.95 | -2.72 |
| 19 | 63.00 | 58.70 | 59.18 | -0.818 |
| 20 | 80.00 | 61.00 | 63.01 | -3.30 |
| 21 | 100.0 | 65.00 | 65.50 | -0.781 |
| 22 | 126.0 | 68.10 | 66.51 | 2.32 |
| 23 | 160.0 | 67.80 | 65.67 | 3.12 |
| 24 | 200.0 | 63.20 | 63.37 | -0.276 |
| 25 | 200.0 | 60.20 | 60.36 | -0.276 |
| 26 | 250.0 | 56.70 | 57.30 | -1.07 |
| 27 | 320.0 | 53.20 | 53.74 | -1.02 |
| 28 | 400.0 | 49.60 | 50.96 | -2.74 |
| 29 | 500.0 | 48.90 | 48.87 | 0.0548 |
| 30 | 630.0 | 45.80 | 47.41 | -3.53 |
| 31 | 630.0 | 43.70 | 45.24 | -3.53 |
| 32 | 800.0 | 44.70 | 44.35 | 0.776 |
| 33 | 1000.0 | 45.00 | 43.84 | 2.56 |



| | | | |
|----------------------|----------------|-----------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA | |
| Data Set: 53 | Date: 29-11-89 | VALENCIA | |
| Equipment: SYSCALPZE | Sounding: 53 | Azimuth: E-40-S | |

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 570.00
 SOUNDING COORDINATES: X: 652450.0000 Y: 4367100.0000

DATE: 17-11-89
 SOUNDING: 54
 AZIMUTH: N-20-S
 EQUIPMENT: SYSCALR2E

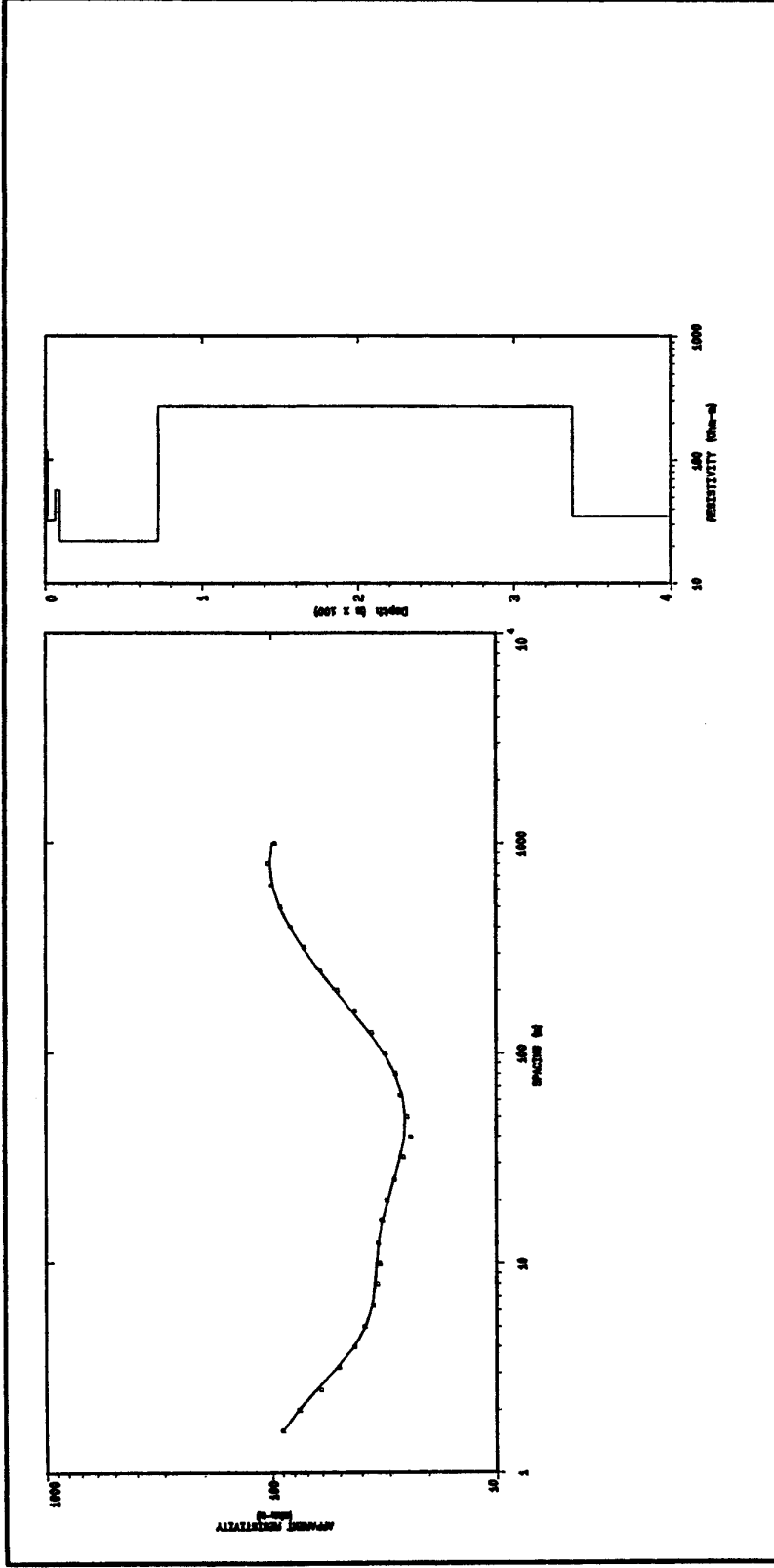
Schlumberger Configuration

FITTING ERROR: 2.376 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 570.0 | |
| 1 | 120.0 | | 1.00 | 569.0 | 0.00833 |
| 2 | 32.00 | | 5.00 | 564.0 | 0.156 |
| 3 | 57.00 | | 2.40 | 561.5 | 0.0421 |
| 4 | 22.00 | | 63.60 | 497.9 | 2.89 |
| 5 | 270.0 | | 265.0 | 232.9 | 0.981 |
| 6 | 35.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 88.30 | 88.22 | 0.0795 |
| 2 | 2.00 | 74.80 | 75.72 | -1.24 |
| 3 | 2.50 | 59.80 | 62.79 | -5.01 |
| 4 | 3.20 | 49.70 | 50.45 | -1.51 |
| 5 | 4.00 | 42.30 | 42.53 | -0.557 |
| 6 | 5.00 | 38.20 | 37.79 | 1.04 |
| 7 | 6.30 | 35.00 | 35.36 | -1.03 |
| 8 | 8.00 | 33.40 | 34.29 | -2.67 |
| 9 | 10.00 | 32.60 | 33.75 | -3.53 |
| 10 | 12.60 | 33.20 | 33.04 | 0.465 |
| 11 | 12.60 | 29.80 | 29.66 | 0.465 |
| 12 | 16.00 | 28.70 | 28.53 | 0.563 |
| 13 | 20.00 | 27.30 | 27.04 | 0.932 |
| 14 | 25.00 | 25.20 | 25.36 | -0.673 |
| 15 | 32.00 | 23.00 | 23.73 | -3.19 |
| 16 | 40.00 | 21.30 | 22.79 | -6.99 |
| 17 | 50.00 | 22.10 | 22.55 | -2.08 |
| 18 | 50.00 | 22.80 | 23.27 | -2.08 |
| 19 | 63.00 | 24.40 | 23.95 | 1.81 |
| 20 | 80.00 | 25.70 | 25.86 | -0.657 |
| 21 | 100.0 | 28.60 | 28.99 | -1.38 |
| 22 | 126.0 | 32.80 | 33.78 | -3.01 |
| 23 | 160.0 | 38.90 | 40.41 | -3.88 |
| 24 | 200.0 | 46.60 | 47.95 | -2.91 |
| 25 | 200.0 | 52.00 | 53.51 | -2.91 |
| 26 | 250.0 | 62.00 | 63.09 | -1.77 |
| 27 | 320.0 | 73.20 | 74.51 | -1.79 |
| 28 | 400.0 | 84.00 | 84.81 | -0.969 |
| 29 | 500.0 | 92.70 | 94.01 | -1.41 |
| 30 | 630.0 | 101.5 | 100.9 | 0.555 |
| 31 | 630.0 | 99.80 | 99.24 | 0.555 |
| 32 | 800.0 | 103.6 | 101.9 | 1.60 |
| 33 | 1000.0 | 96.50 | 99.37 | -2.98 |



| | | | |
|----------------------|----------------|-----------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA | |
| Data Set: 54 | Date: 17-11-89 | VALENCIA | |
| Equipment: SYSCALP2E | Sounding: 54 | Azimuth: N-20-S | |

DATA SET: REQ55

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 825.00
 SOUNDING COORDINATES: X: 653750.0000 Y: 4385600.0000

DATE: 13-3-90
 SOUNDING: 55
 AZIMUTH: N-180
 EQUIPMENT: SYSCALR2E

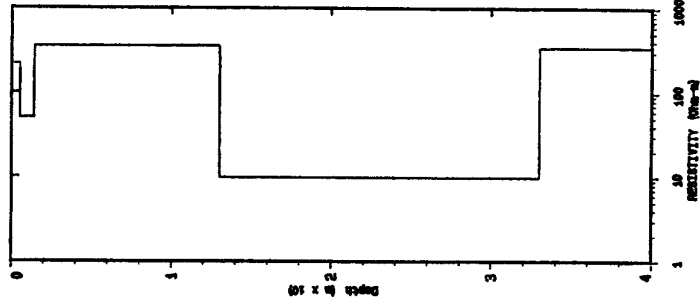
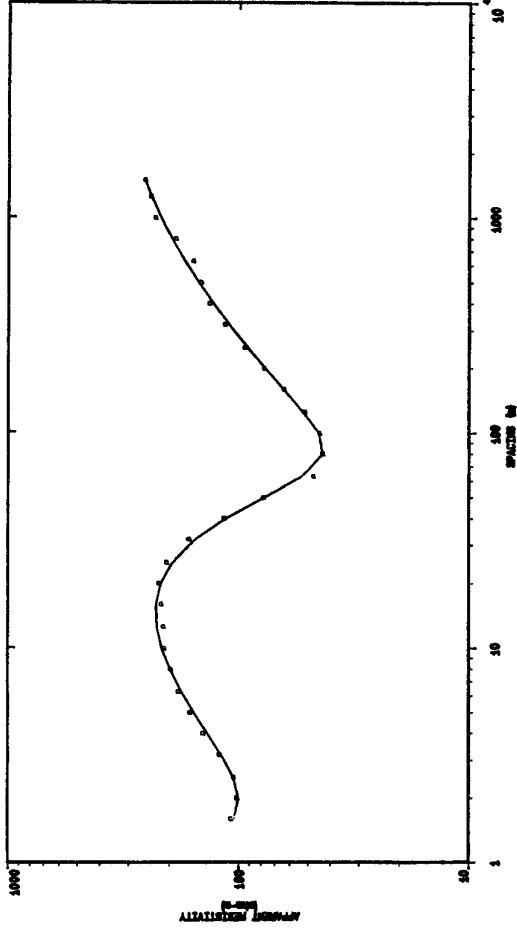
Schlumberger Configuration

FITTING ERROR: 4.397 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 825.0 | |
| 1 | 220.0 | | 0.500 | 824.5 | 0.00227 |
| 2 | 51.00 | | 0.900 | 823.5 | 0.0176 |
| 3 | 357.0 | | 11.60 | 812.0 | 0.0324 |
| 4 | 9.90 | | 20.00 | 792.0 | 2.02 |
| 5 | 344.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 82.50 | 79.67 | 3.42 |
| 2 | 2.00 | 77.60 | 76.28 | 1.69 |
| 3 | 2.50 | 80.20 | 80.39 | -0.245 |
| 4 | 3.20 | 93.10 | 91.50 | 1.71 |
| 5 | 4.00 | 109.4 | 105.0 | 3.98 |
| 6 | 5.00 | 125.0 | 120.2 | 3.83 |
| 7 | 6.30 | 140.2 | 136.4 | 2.66 |
| 8 | 8.00 | 151.3 | 152.5 | -0.773 |
| 9 | 10.00 | 161.3 | 165.3 | -2.51 |
| 10 | 12.60 | 162.7 | 174.0 | -6.95 |
| 11 | 12.60 | 169.7 | 181.5 | -6.95 |
| 12 | 16.00 | 173.6 | 182.8 | -5.31 |
| 13 | 20.00 | 178.0 | 174.1 | 2.13 |
| 14 | 25.00 | 164.2 | 154.8 | 5.69 |
| 15 | 32.00 | 131.3 | 122.9 | 6.39 |
| 16 | 40.00 | 92.20 | 90.39 | 1.95 |
| 17 | 50.00 | 62.40 | 61.68 | 1.14 |
| 18 | 50.00 | 79.80 | 78.88 | 1.14 |
| 19 | 63.00 | 48.20 | 53.89 | -11.80 |
| 20 | 80.00 | 44.10 | 43.97 | 0.293 |
| 21 | 100.0 | 45.30 | 45.77 | -1.05 |
| 22 | 126.0 | 52.90 | 53.92 | -1.94 |
| 23 | 160.0 | 65.00 | 65.73 | -1.12 |
| 24 | 200.0 | 79.40 | 78.89 | 0.638 |
| 25 | 200.0 | 77.50 | 77.00 | 0.638 |
| 26 | 250.0 | 94.00 | 91.81 | 2.32 |
| 27 | 320.0 | 114.7 | 110.4 | 3.67 |
| 28 | 400.0 | 134.3 | 129.2 | 3.72 |
| 29 | 500.0 | 146.0 | 149.7 | -2.53 |
| 30 | 630.0 | 157.5 | 172.1 | -9.28 |
| 31 | 630.0 | 158.3 | 173.1 | -9.28 |
| 32 | 800.0 | 188.7 | 197.1 | -4.48 |
| 33 | 1000.0 | 231.7 | 219.5 | 5.22 |
| 34 | 1260.0 | 242.8 | 242.0 | 0.327 |
| 35 | 1500.0 | 256.7 | 257.8 | -0.415 |



| | | | |
|----------------------|---------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: REG55 | Date: 13-3-90 | Azimuth: N-180 | |
| Equipment: SYSCALR2E | Sounding: 55 | | |

DATA SET: REQ57

| | |
|--|----------------------|
| CLIENT: ITGE | DATE: 29-11-89 |
| LOCATION: REQUENA | SOUNDING: 57 |
| COUNTY: VALENCIA | AZIMUTH: S-25 -E |
| PROJECT: RESISTIVIDAD | EQUIPMENT: SYSCALR2E |
| ELEVATION: 775.00 | |
| SOUNDING COORDINATES: X: 653900.0000 Y: 4378850.0000 | |

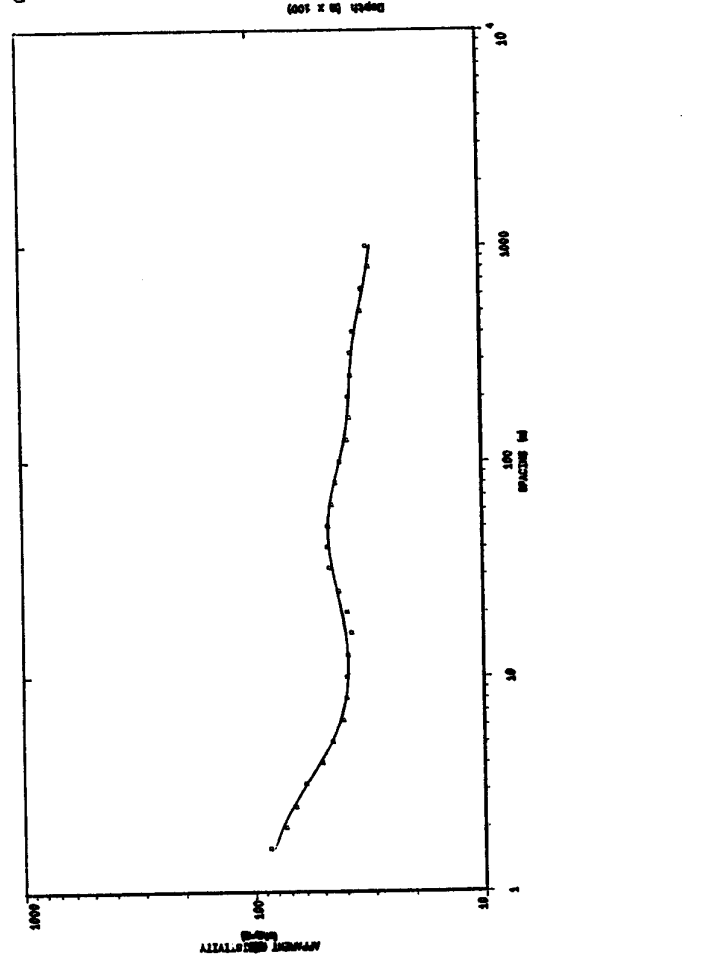
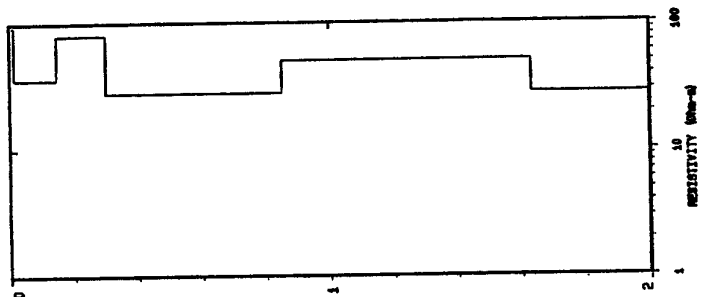
Schlumberger Configuration

FITTING ERROR: 2.358 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 775.0 | |
| 1 | 94.00 | | 1.30 | 773.7 | 0.0138 |
| 2 | 36.00 | | 13.40 | 760.2 | 0.372 |
| 3 | 81.00 | | 15.20 | 745.0 | 0.187 |
| 4 | 28.00 | | 55.10 | 690.0 | 1.96 |
| 5 | 51.00 | | 78.00 | 612.0 | 1.52 |
| 6 | 28.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 1.60 | 103.8 | 99.98 | 3.67 |
| 2 | 2.00 | 88.70 | 92.43 | -4.20 |
| 3 | 2.50 | 80.30 | 83.03 | -3.40 |
| 4 | 3.20 | 72.50 | 71.82 | 0.935 |
| 5 | 4.00 | 61.20 | 62.59 | -2.27 |
| 6 | 5.00 | 55.20 | 55.43 | -0.426 |
| 7 | 6.30 | 49.50 | 50.57 | -2.16 |
| 8 | 8.00 | 47.70 | 47.84 | -0.310 |
| 9 | 10.00 | 47.50 | 46.80 | 1.45 |
| 10 | 12.60 | 46.90 | 46.82 | 0.161 |
| 11 | 12.60 | 36.70 | 36.64 | 0.161 |
| 12 | 16.00 | 35.30 | 37.41 | -6.00 |
| 13 | 20.00 | 36.80 | 38.78 | -5.40 |
| 14 | 25.00 | 39.90 | 40.61 | -1.78 |
| 15 | 32.00 | 43.90 | 42.70 | 2.72 |
| 16 | 40.00 | 44.70 | 44.06 | 1.42 |
| 17 | 50.00 | 44.40 | 44.39 | 0.00410 |
| 18 | 50.00 | 42.70 | 42.69 | 0.00410 |
| 19 | 63.00 | 40.90 | 41.78 | -2.16 |
| 20 | 80.00 | 39.30 | 39.77 | -1.20 |
| 21 | 100.0 | 37.50 | 37.53 | -0.0966 |
| 22 | 126.0 | 34.80 | 35.57 | -2.21 |
| 23 | 160.0 | 33.90 | 34.35 | -1.33 |
| 24 | 200.0 | 34.30 | 33.85 | 1.30 |
| 25 | 200.0 | 36.80 | 36.31 | 1.30 |
| 26 | 250.0 | 35.80 | 35.96 | -0.463 |
| 27 | 320.0 | 35.80 | 35.24 | 1.55 |
| 28 | 400.0 | 34.80 | 34.11 | 1.96 |
| 29 | 500.0 | 32.20 | 32.69 | -1.53 |
| 30 | 630.0 | 31.70 | 31.20 | 1.56 |
| 31 | 630.0 | 32.50 | 31.99 | 1.56 |
| 32 | 800.0 | 30.20 | 30.65 | -1.51 |
| 33 | 1000.0 | 31.00 | 29.73 | 4.07 |



| | | | |
|-----------------|----------------------|------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA | |
| Data Set: RE057 | | VALENCIA | |
| Date: 29-11-89 | Equipment: SYSCALR2E | Azimuth: S-25 -E | |
| Sounding: 57 | | | |

DATA SET: REQ58

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 780.00
 SOUNDING COORDINATES: X: 653250.0000 Y: 4377125.0000

DATE: 30-11-89
 SOUNDING: 58
 AZIMUTH: E-35 -S
 EQUIPMENT: SYSCALR2E

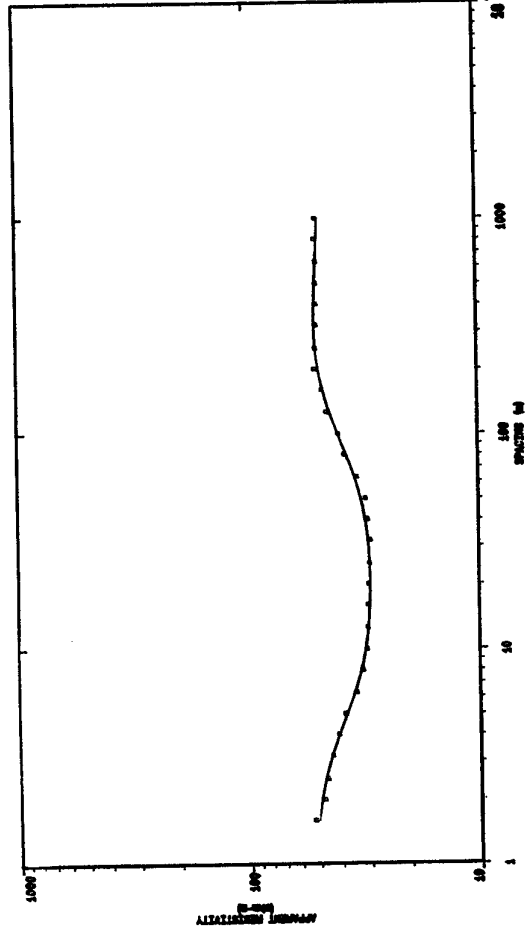
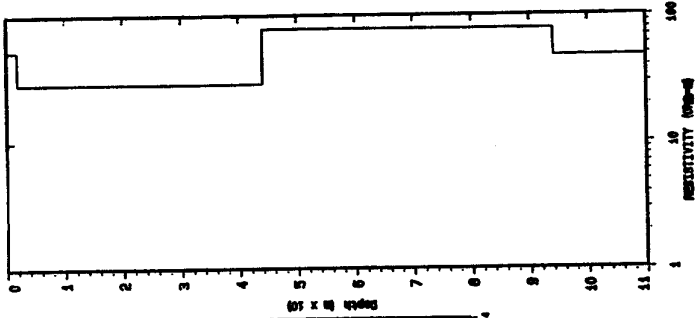
Schlumberger Configuration

FITTING ERROR: 2.228 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 780.0 | |
| 1 | 53.00 | | 1.80 | 778.2 | 0.0339 |
| 2 | 29.00 | | 42.20 | 736.0 | 1.45 |
| 3 | 79.00 | | 50.00 | 686.0 | 0.632 |
| 4 | 48.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 1.60 | 72.90 | 70.15 | 3.76 |
| 2 | 2.00 | 65.90 | 68.22 | -3.53 |
| 3 | 2.50 | 63.90 | 65.38 | -2.31 |
| 4 | 3.20 | 60.60 | 61.14 | -0.901 |
| 5 | 4.00 | 56.90 | 56.66 | 0.408 |
| 6 | 5.00 | 53.20 | 52.17 | 1.93 |
| 7 | 6.30 | 47.50 | 48.13 | -1.33 |
| 8 | 8.00 | 44.50 | 45.02 | -1.17 |
| 9 | 10.00 | 42.70 | 43.10 | -0.954 |
| 10 | 12.60 | 42.30 | 41.91 | 0.919 |
| 11 | 12.60 | 31.60 | 31.30 | 0.919 |
| 12 | 16.00 | 31.50 | 30.81 | 2.15 |
| 13 | 20.00 | 31.10 | 30.64 | 1.45 |
| 14 | 25.00 | 30.80 | 30.72 | 0.234 |
| 15 | 32.00 | 30.50 | 31.16 | -2.17 |
| 16 | 40.00 | 31.20 | 31.98 | -2.52 |
| 17 | 50.00 | 31.80 | 33.37 | -4.96 |
| 18 | 50.00 | 32.70 | 34.32 | -4.96 |
| 19 | 63.00 | 35.60 | 36.55 | -2.68 |
| 20 | 80.00 | 40.30 | 39.67 | 1.56 |
| 21 | 100.0 | 42.70 | 43.08 | -0.894 |
| 22 | 126.0 | 48.00 | 46.67 | 2.76 |
| 23 | 160.0 | 50.10 | 49.91 | 0.377 |
| 24 | 200.0 | 53.70 | 52.12 | 2.92 |
| 25 | 200.0 | 49.80 | 48.34 | 2.92 |
| 26 | 250.0 | 49.40 | 49.54 | -0.302 |
| 27 | 320.0 | 48.80 | 49.97 | -2.41 |
| 28 | 400.0 | 48.80 | 49.77 | -2.00 |
| 29 | 500.0 | 48.80 | 49.28 | -0.992 |
| 30 | 630.0 | 48.60 | 48.70 | -0.206 |
| 31 | 630.0 | 49.60 | 49.70 | -0.206 |
| 32 | 800.0 | 50.10 | 49.16 | 1.86 |
| 33 | 1000.0 | 49.60 | 48.78 | 1.64 |



RESISTIVIDAD

REQUENA
VALENCIA

Azimuth: E-35 -S

for: ITGE

by: I.T.G.E.

Data Set: RE058 Date: 30-11-89

Equipment: SYSCALPZE Sounding: 58

DATA SET: REQ59

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 760.00
 SOUNDING COORDINATES: X: 653725.0000 Y: 4375525.0000

DATE: 27-11-89
 SOUNDING: 59
 AZIMUTH: E-35-N
 EQUIPMENT: SYSCALR2E

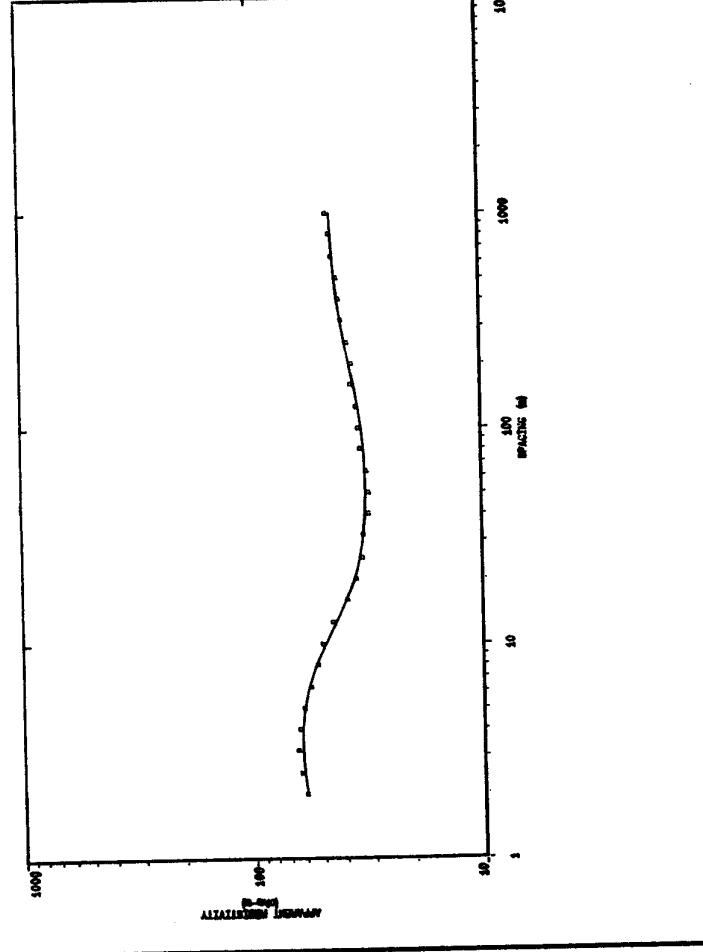
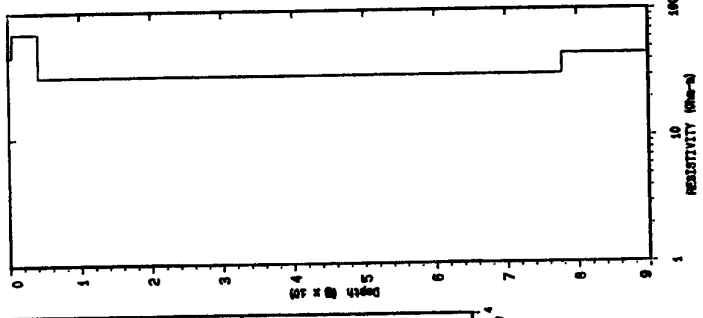
Schlumberger Configuration

FITTING ERROR: 2.501 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 760.0 | |
| 1 | 45.00 | | 0.500 | 759.5 | 0.0111 |
| 2 | 69.00 | | 3.70 | 755.7 | 0.0536 |
| 3 | 31.00 | | 73.60 | 682.2 | 2.37 |
| 4 | 45.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 2.00 | 90.20 | 89.93 | 0.297 |
| 2 | 2.50 | 94.50 | 92.52 | 2.08 |
| 3 | 3.20 | 98.10 | 94.04 | 4.13 |
| 4 | 4.00 | 95.80 | 93.82 | 2.06 |
| 5 | 5.00 | 91.70 | 91.74 | -0.0454 |
| 6 | 6.30 | 85.30 | 87.38 | -2.44 |
| 7 | 8.00 | 79.40 | 80.69 | -1.62 |
| 8 | 10.00 | 75.50 | 73.20 | 3.04 |
| 9 | 12.60 | 67.90 | 65.43 | 3.62 |
| 10 | 12.60 | 55.70 | 53.68 | 3.62 |
| 11 | 16.00 | 48.00 | 48.14 | -0.300 |
| 12 | 20.00 | 43.90 | 44.41 | -1.17 |
| 13 | 25.00 | 41.10 | 42.02 | -2.25 |
| 14 | 32.00 | 40.70 | 40.53 | 0.408 |
| 15 | 40.00 | 38.60 | 39.85 | -3.23 |
| 16 | 50.00 | 38.50 | 39.58 | -2.81 |
| 17 | 50.00 | 38.10 | 39.17 | -2.81 |
| 18 | 63.00 | 38.70 | 39.25 | -1.44 |
| 19 | 80.00 | 41.30 | 39.73 | 3.79 |
| 20 | 100.0 | 42.00 | 40.58 | 3.36 |
| 21 | 126.0 | 42.80 | 41.91 | 2.07 |
| 22 | 160.0 | 45.00 | 43.69 | 2.89 |
| 23 | 200.0 | 44.40 | 45.58 | -2.67 |
| 24 | 200.0 | 37.40 | 38.40 | -2.67 |
| 25 | 250.0 | 38.90 | 40.00 | -2.85 |
| 26 | 320.0 | 41.30 | 41.63 | -0.818 |
| 27 | 400.0 | 42.10 | 42.88 | -1.85 |
| 28 | 500.0 | 43.00 | 43.88 | -2.05 |
| 29 | 630.0 | 45.10 | 44.67 | 0.947 |
| 30 | 630.0 | 43.70 | 43.28 | 0.947 |
| 31 | 800.0 | 44.50 | 43.85 | 1.44 |
| 32 | 1000.0 | 46.00 | 44.23 | 3.83 |



| | | | |
|----------------------|----------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: REQ59 | Date: 27-11-89 | Azimuth: E-35-N | |
| Equipment: SYSCALR2E | Sounding: 59 | | |

DATA SET: REQ60

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 610.00
 SOUNDING COORDINATES: X: 653250.0000 Y: 4368500.0000

DATE: 20-11-89
 SOUNDING: 60
 AZIMUTH: E-15-N
 EQUIPMENT: SYSCALR2E

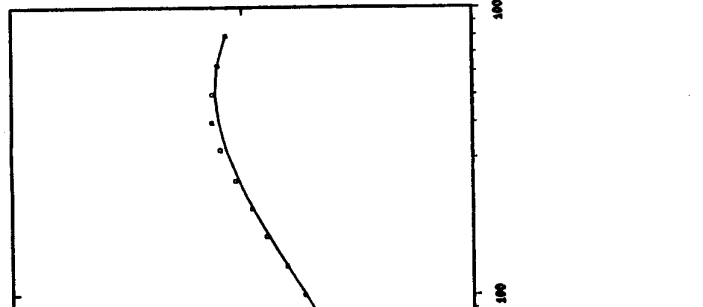
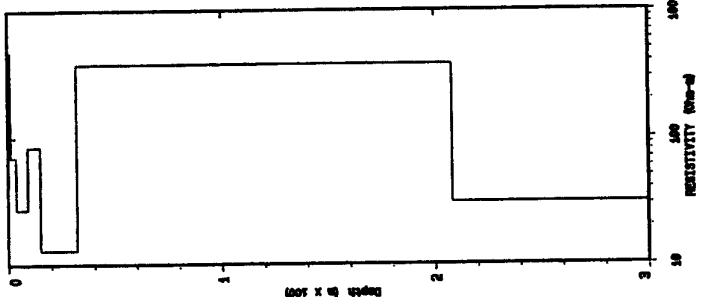
Schlumberger Configuration

FITTING ERROR: 3.667 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 610.0 | |
| 1 | 477.0 | | 0.900 | 609.0 | 0.00189 |
| 2 | 70.00 | | 2.40 | 606.6 | 0.0342 |
| 3 | 27.00 | | 5.50 | 601.1 | 0.203 |
| 4 | 85.00 | | 6.00 | 595.1 | 0.0705 |
| 5 | 13.00 | | 17.00 | 578.1 | 1.30 |
| 6 | 382.0 | | 176.0 | 402.1 | 0.460 |
| 7 | 31.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 1.60 | 345.2 | 340.9 | 1.26 |
| 2 | 2.00 | 259.3 | 266.2 | -2.64 |
| 3 | 2.50 | 195.3 | 195.5 | -0.103 |
| 4 | 3.20 | 140.2 | 134.0 | 4.35 |
| 5 | 4.00 | 96.40 | 97.36 | -0.996 |
| 6 | 5.00 | 78.10 | 74.78 | 4.24 |
| 7 | 6.30 | 62.80 | 60.39 | 3.83 |
| 8 | 8.00 | 54.30 | 51.02 | 6.02 |
| 9 | 10.00 | 49.70 | 46.04 | 7.35 |
| 10 | 12.60 | 44.70 | 44.05 | 1.44 |
| 11 | 12.60 | 34.90 | 34.39 | 1.44 |
| 12 | 16.00 | 35.70 | 34.39 | 3.64 |
| 13 | 20.00 | 36.60 | 34.68 | 5.23 |
| 14 | 25.00 | 36.50 | 34.42 | 5.67 |
| 15 | 32.00 | 35.00 | 33.41 | 4.52 |
| 16 | 40.00 | 33.20 | 32.54 | 1.96 |
| 17 | 50.00 | 34.10 | 32.82 | 3.72 |
| 18 | 50.00 | 34.00 | 32.73 | 3.72 |
| 19 | 63.00 | 36.40 | 35.25 | 3.13 |
| 20 | 80.00 | 41.20 | 40.72 | 1.15 |
| 21 | 100.0 | 48.70 | 48.23 | 0.946 |
| 22 | 126.0 | 58.00 | 57.97 | 0.0384 |
| 23 | 160.0 | 71.00 | 69.62 | 1.93 |
| 24 | 200.0 | 82.10 | 81.49 | 0.742 |
| 25 | 200.0 | 85.40 | 84.76 | 0.742 |
| 26 | 250.0 | 100.9 | 97.34 | 3.51 |
| 27 | 320.0 | 117.1 | 110.1 | 5.96 |
| 28 | 400.0 | 126.7 | 118.8 | 6.23 |
| 29 | 500.0 | 126.4 | 122.8 | 2.80 |
| 30 | 630.0 | 119.4 | 120.4 | -0.898 |
| 31 | 630.0 | 128.1 | 129.2 | -0.898 |
| 32 | 800.0 | 117.6 | 118.2 | -0.592 |



| | | | |
|----------------------|--|-----------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA | |
| Data Set: REQ60 | | VALENCIA | |
| Date: 20-11-89 | | Azimuth: E-15-N | |
| Equipment: SYSCALR2E | | Sounding: 60 | |

DATA SET: REQ61

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 780.00
 SOUNDING COORDINATES: X: 654150.0000 Y: 4383250.0000

DATE: 28-2-90
 SOUNDING: 61
 AZIMUTH: N-135 -S
 EQUIPMENT: SYSCALR2E

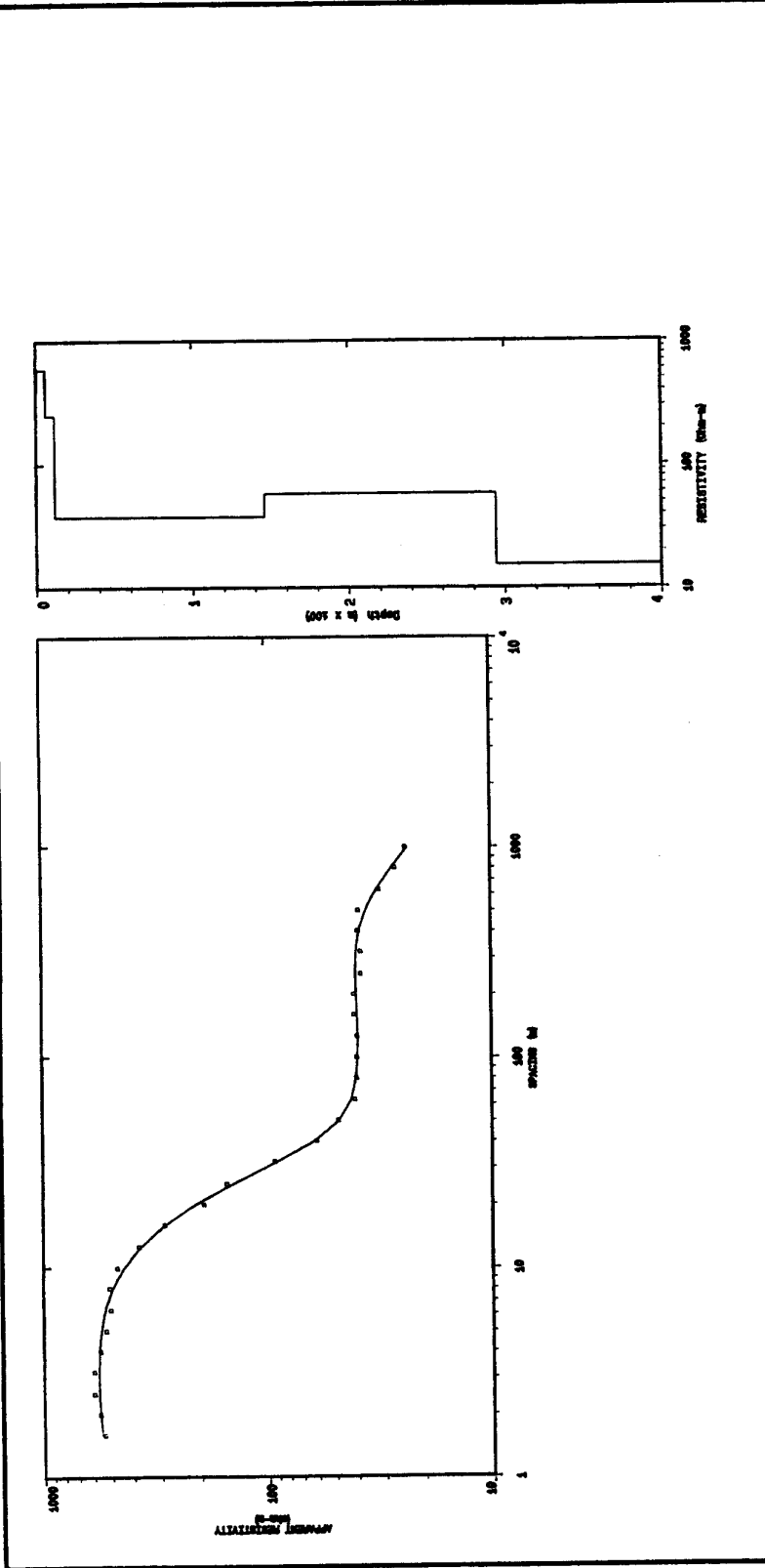
Schlumberger Configuration

FITTING ERROR: 3.916 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 780.0 | |
| 1 | 389.0 | | 0.250 | 779.7 | 6.427E-04 |
| 2 | 597.0 | | 5.45 | 774.2 | 0.00913 |
| 3 | 250.0 | | 5.90 | 768.3 | 0.0236 |
| 4 | 37.80 | | 134.3 | 634.0 | 3.55 |
| 5 | 58.00 | | 148.0 | 486.0 | 2.55 |
| 6 | 15.40 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 404.1 | 414.8 | -2.65 |
| 2 | 2.00 | 422.7 | 422.7 | -0.0169 |
| 3 | 2.50 | 448.3 | 427.6 | 4.62 |
| 4 | 3.20 | 448.7 | 429.1 | 4.34 |
| 5 | 4.00 | 420.0 | 426.1 | -1.47 |
| 6 | 5.00 | 395.7 | 417.4 | -5.50 |
| 7 | 6.30 | 377.1 | 400.0 | -6.08 |
| 8 | 8.00 | 380.0 | 370.1 | 2.58 |
| 9 | 10.00 | 352.3 | 329.9 | 6.37 |
| 10 | 12.60 | 282.0 | 276.8 | 1.81 |
| 11 | 12.60 | 293.1 | 287.7 | 1.81 |
| 12 | 16.00 | 224.7 | 223.1 | 0.683 |
| 13 | 20.00 | 149.8 | 163.0 | -8.87 |
| 14 | 25.00 | 118.5 | 111.0 | 6.25 |
| 15 | 32.00 | 72.10 | 69.62 | 3.43 |
| 16 | 40.00 | 47.00 | 47.71 | -1.52 |
| 17 | 50.00 | 37.50 | 37.09 | 1.09 |
| 18 | 50.00 | 42.40 | 41.93 | 1.09 |
| 19 | 63.00 | 35.70 | 37.02 | -3.72 |
| 20 | 80.00 | 35.10 | 35.26 | -0.458 |
| 21 | 100.0 | 35.00 | 34.65 | 0.997 |
| 22 | 126.0 | 34.80 | 34.50 | 0.858 |
| 23 | 160.0 | 36.00 | 34.68 | 3.64 |
| 24 | 200.0 | 36.00 | 35.01 | 2.73 |
| 25 | 200.0 | 39.40 | 38.32 | 2.73 |
| 26 | 250.0 | 36.60 | 38.59 | -5.46 |
| 27 | 320.0 | 36.50 | 38.35 | -5.09 |
| 28 | 400.0 | 37.70 | 37.16 | 1.42 |
| 29 | 500.0 | 37.40 | 34.73 | 7.13 |
| 30 | 630.0 | 30.20 | 31.02 | -2.71 |
| 31 | 630.0 | 31.40 | 32.25 | -2.71 |
| 32 | 800.0 | 26.70 | 27.60 | -3.39 |
| 33 | 1000.0 | 24.00 | 23.52 | 1.98 |



| | | | |
|----------------------|---------------|-------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA | |
| Data Set: REQ61 | Date: 28-2-90 | VALENCIA | |
| Equipment: SYSCALPCE | Sounding: 61 | Azimuth: N-135 -S | |

DATA SET: 62

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 730.00
 SOUNDING COORDINATES: X: 655050.0000 Y: 4379450.0000

DATE: 28-11-89
 SOUNDING: 62
 AZIMUTH: E-40-S
 EQUIPMENT: SYSCALR2E

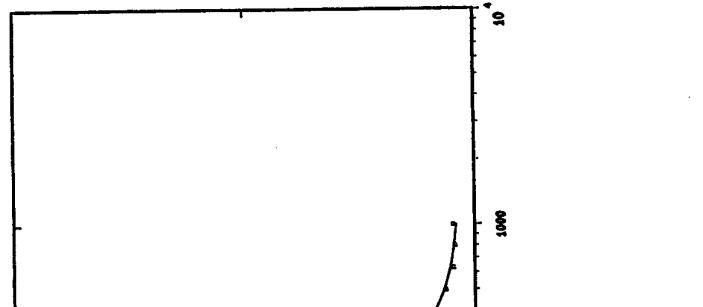
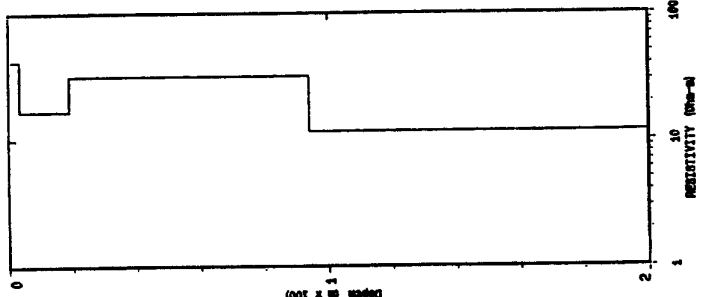
Schlumberger Configuration

FITTING ERROR: 1.805 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 730.0 | |
| 1 | 42.00 | | 3.40 | 726.5 | 0.0809 |
| 2 | 16.80 | | 15.50 | 711.0 | 0.922 |
| 3 | 32.00 | | 75.10 | 636.0 | 2.34 |
| 4 | 11.70 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 1.60 | 46.40 | 40.90 | 11.84 |
| 2 | 2.00 | 37.40 | 40.55 | -8.44 |
| 3 | 2.50 | 40.20 | 39.93 | 0.651 |
| 4 | 3.20 | 38.90 | 38.74 | 0.404 |
| 5 | 4.00 | 36.60 | 37.00 | -1.12 |
| 6 | 5.00 | 34.70 | 34.52 | 0.491 |
| 7 | 6.30 | 31.50 | 31.24 | 0.820 |
| 8 | 8.00 | 26.80 | 27.47 | -2.53 |
| 9 | 10.00 | 24.40 | 24.20 | 0.782 |
| 10 | 12.60 | 21.80 | 21.59 | 0.934 |
| 11 | 12.60 | 22.90 | 22.68 | 0.934 |
| 12 | 16.00 | 21.40 | 20.98 | 1.91 |
| 13 | 20.00 | 20.60 | 20.40 | 0.938 |
| 14 | 25.00 | 20.10 | 20.61 | -2.56 |
| 15 | 32.00 | 20.90 | 21.53 | -3.03 |
| 16 | 40.00 | 23.00 | 22.76 | 1.03 |
| 17 | 50.00 | 24.60 | 24.12 | 1.93 |
| 18 | 50.00 | 23.60 | 23.14 | 1.93 |
| 19 | 63.00 | 24.90 | 24.37 | 2.10 |
| 20 | 80.00 | 25.20 | 25.25 | -0.236 |
| 21 | 100.0 | 25.40 | 25.50 | -0.427 |
| 22 | 126.0 | 25.20 | 25.00 | 0.792 |
| 23 | 160.0 | 23.40 | 23.57 | -0.738 |
| 24 | 200.0 | 21.10 | 21.52 | -2.02 |
| 25 | 200.0 | 19.40 | 19.79 | -2.02 |
| 26 | 250.0 | 17.70 | 17.58 | 0.673 |
| 27 | 320.0 | 15.90 | 15.22 | 4.25 |
| 28 | 400.0 | 13.60 | 13.52 | 0.564 |
| 29 | 500.0 | 12.20 | 12.35 | -1.24 |
| 30 | 630.0 | 11.30 | 11.61 | -2.82 |
| 31 | 630.0 | 12.40 | 12.74 | -2.82 |
| 32 | 800.0 | 12.20 | 12.29 | -0.760 |
| 33 | 1000.0 | 12.40 | 12.05 | 2.76 |



RESISTIVIDAD
 REQUENA
 VALENCIA
 Azimuth: E-40-S

for: ITGE
 by: I.T.G.E.
 Data Set: 62 Date: 28-11-89
 Equipment: SYSCALRE Sounding: 62

DATA SET: REQ63

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 730.00
 SOUNDING COORDINATES: X: 655000.0000 Y: 4374300.0000

DATE: 27-11-89
 SOUNDING: 63
 AZIMUTH: N-15-E
 EQUIPMENT: SYSCALR2E

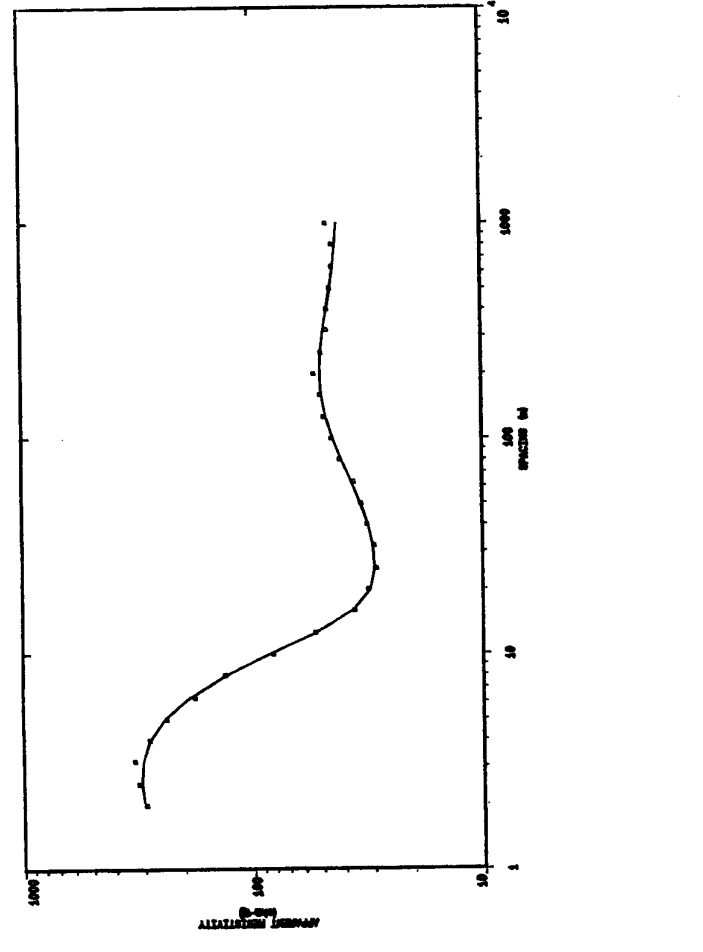
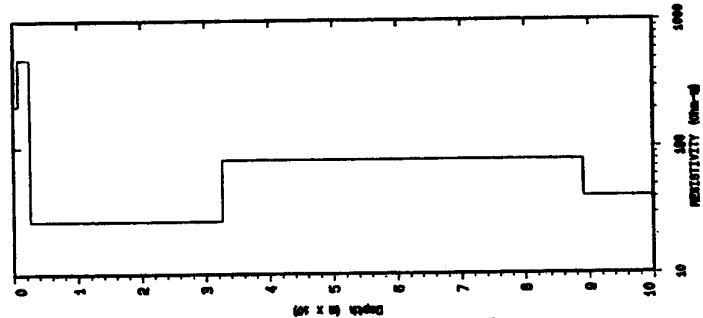
Schlumberger Configuration

FITTING ERROR: 3.417 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 730.0 | |
| 1 | 215.0 | | 0.700 | 729.2 | 0.00326 |
| 2 | 503.0 | | 1.80 | 727.5 | 0.00358 |
| 3 | 26.30 | | 30.10 | 697.4 | 1.14 |
| 4 | 80.00 | | 56.40 | 641.0 | 0.705 |
| 5 | 41.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 2.00 | 352.7 | 360.2 | -2.14 |
| 2 | 2.50 | 379.2 | 371.1 | 2.14 |
| 3 | 3.20 | 396.7 | 365.5 | 7.86 |
| 4 | 4.00 | 340.2 | 339.3 | 0.258 |
| 5 | 5.00 | 285.6 | 292.0 | -2.26 |
| 6 | 6.30 | 215.8 | 227.0 | -5.14 |
| 7 | 8.00 | 158.8 | 156.2 | 1.64 |
| 8 | 10.00 | 97.80 | 101.0 | -3.34 |
| 9 | 12.60 | 64.20 | 63.17 | 1.60 |
| 10 | 12.60 | 59.30 | 58.34 | 1.60 |
| 11 | 16.00 | 39.80 | 40.26 | -1.17 |
| 12 | 20.00 | 34.70 | 34.03 | 1.90 |
| 13 | 25.00 | 32.00 | 32.55 | -1.74 |
| 14 | 32.00 | 32.70 | 33.09 | -1.21 |
| 15 | 40.00 | 35.10 | 34.74 | 1.00 |
| 16 | 50.00 | 37.20 | 37.42 | -0.597 |
| 17 | 50.00 | 35.70 | 35.91 | -0.597 |
| 18 | 63.00 | 38.40 | 39.43 | -2.69 |
| 19 | 80.00 | 44.10 | 43.56 | 1.20 |
| 20 | 100.0 | 47.80 | 47.34 | 0.944 |
| 21 | 126.0 | 51.70 | 50.63 | 2.06 |
| 22 | 160.0 | 53.50 | 52.86 | 1.19 |
| 23 | 200.0 | 56.90 | 53.62 | 5.75 |
| 24 | 200.0 | 55.10 | 51.93 | 5.75 |
| 25 | 250.0 | 51.20 | 51.48 | -0.547 |
| 26 | 320.0 | 48.40 | 49.96 | -3.24 |
| 27 | 400.0 | 48.10 | 48.18 | -0.182 |
| 28 | 500.0 | 46.50 | 46.45 | 0.0940 |
| 29 | 630.0 | 45.50 | 44.99 | 1.10 |
| 30 | 630.0 | 44.30 | 43.80 | 1.10 |
| 31 | 800.0 | 44.20 | 42.76 | 3.24 |
| 32 | 1000.0 | 46.90 | 42.12 | 10.18 |



| | | | |
|----------------------|--|-----------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA | |
| Data Set: RE063 | | VALENCIA | |
| Date: 27-11-89 | | Azimuth: N-15-E | |
| Equipment: SYSCALREE | | | |
| Sounding: 63 | | | |

DATA SET: REQ64

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 680.00
 SOUNDING COORDINATES: X: 654600.0000 Y: 4371950.0000

DATE: 22-11-89
 SOUNDING: 64
 AZIMUTH: S-38-E
 EQUIPMENT: SYSCALR2E

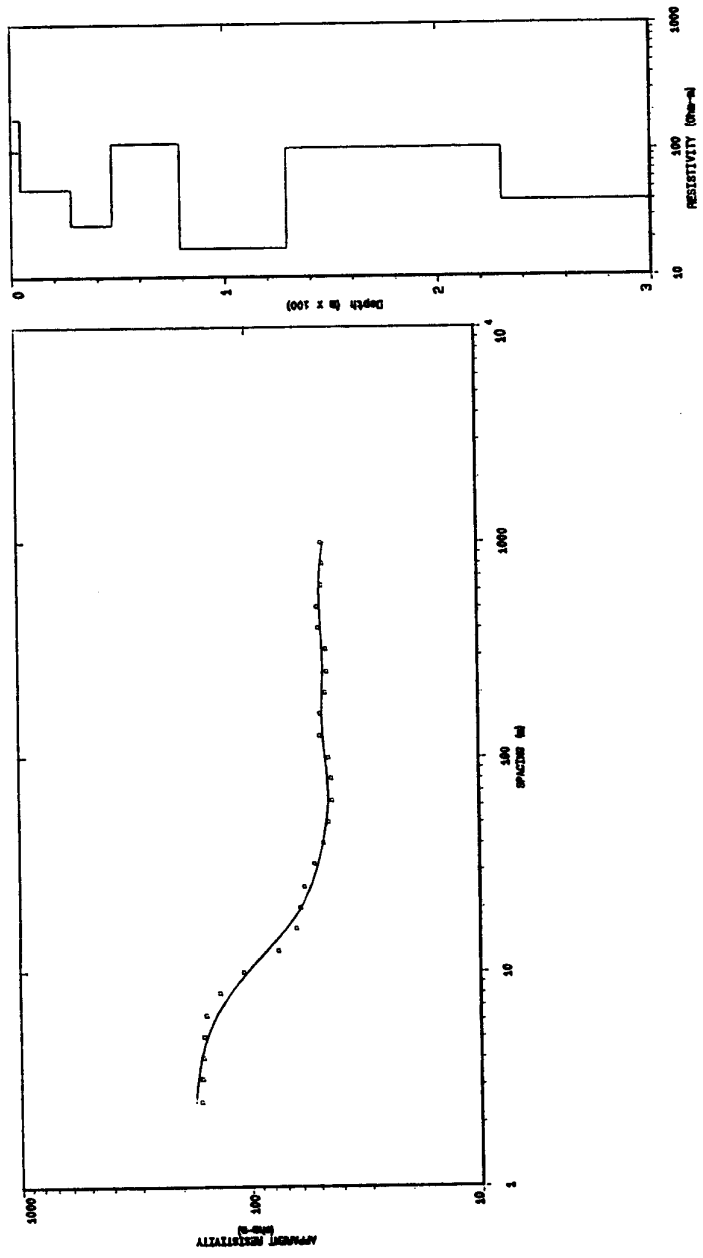
Schlumberger Configuration

FITTING ERROR: 5.285 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 680.0 | |
| 1 | 180.0 | | 4.30 | 675.7 | 0.0238 |
| 2 | 50.00 | | 23.70 | 652.0 | 0.474 |
| 3 | 26.00 | | 19.00 | 633.0 | 0.730 |
| 4 | 115.0 | | 32.00 | 601.0 | 0.278 |
| 5 | 17.00 | | 50.00 | 551.0 | 2.94 |
| 6 | 105.0 | | 101.0 | 450.0 | 0.961 |
| 7 | 40.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 2.50 | 184.8 | 196.7 | -6.38 |
| 2 | 3.20 | 182.8 | 192.3 | -5.16 |
| 3 | 4.00 | 181.0 | 185.4 | -2.48 |
| 4 | 5.00 | 179.7 | 174.7 | 2.74 |
| 5 | 6.30 | 175.7 | 158.7 | 9.65 |
| 6 | 8.00 | 152.5 | 137.4 | 9.88 |
| 7 | 10.00 | 120.2 | 115.5 | 3.87 |
| 8 | 12.60 | 84.80 | 94.45 | -11.38 |
| 9 | 12.60 | 71.40 | 79.52 | -11.38 |
| 10 | 16.00 | 59.60 | 65.27 | -9.52 |
| 11 | 20.00 | 57.00 | 56.43 | 0.994 |
| 12 | 25.00 | 54.70 | 51.02 | 6.71 |
| 13 | 32.00 | 49.40 | 47.36 | 4.12 |
| 14 | 40.00 | 44.80 | 45.05 | -0.565 |
| 15 | 50.00 | 42.70 | 43.39 | -1.62 |
| 16 | 50.00 | 47.50 | 48.27 | -1.62 |
| 17 | 63.00 | 45.70 | 47.34 | -3.60 |
| 18 | 80.00 | 45.90 | 47.63 | -3.79 |
| 19 | 100.0 | 47.20 | 48.72 | -3.22 |
| 20 | 126.0 | 51.50 | 49.85 | 3.18 |
| 21 | 160.0 | 51.10 | 50.32 | 1.51 |
| 22 | 200.0 | 48.50 | 50.06 | -3.21 |
| 23 | 200.0 | 49.50 | 51.09 | -3.21 |
| 24 | 250.0 | 48.70 | 50.68 | -4.06 |
| 25 | 320.0 | 49.00 | 50.75 | -3.57 |
| 26 | 400.0 | 52.90 | 51.38 | 2.86 |
| 27 | 500.0 | 53.40 | 52.06 | 2.49 |
| 28 | 630.0 | 51.10 | 52.18 | -2.13 |
| 29 | 630.0 | 47.80 | 48.81 | -2.13 |
| 30 | 800.0 | 47.20 | 48.04 | -1.79 |
| 31 | 1000.0 | 47.80 | 46.68 | 2.33 |



| | |
|----------------------|----------------|
| RESISTIVIDAD | |
| REQUENA VALENCIA | |
| Azimuth: S-38-E | |
| for: | ITGE |
| by: | I.T.G.E. |
| Data Set: REQ64 | Date: 22-11-89 |
| Equipment: SYSCALR2E | Sounding: 64 |

DATA SET: REQ65

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 575.00
 SOUNDING COORDINATES: X: 654800.0000 Y: 4366300.0000

DATE: 19-10-89
 SOUNDING: 65
 AZIMUTH: E-20-S
 EQUIPMENT: SYSCALR2E

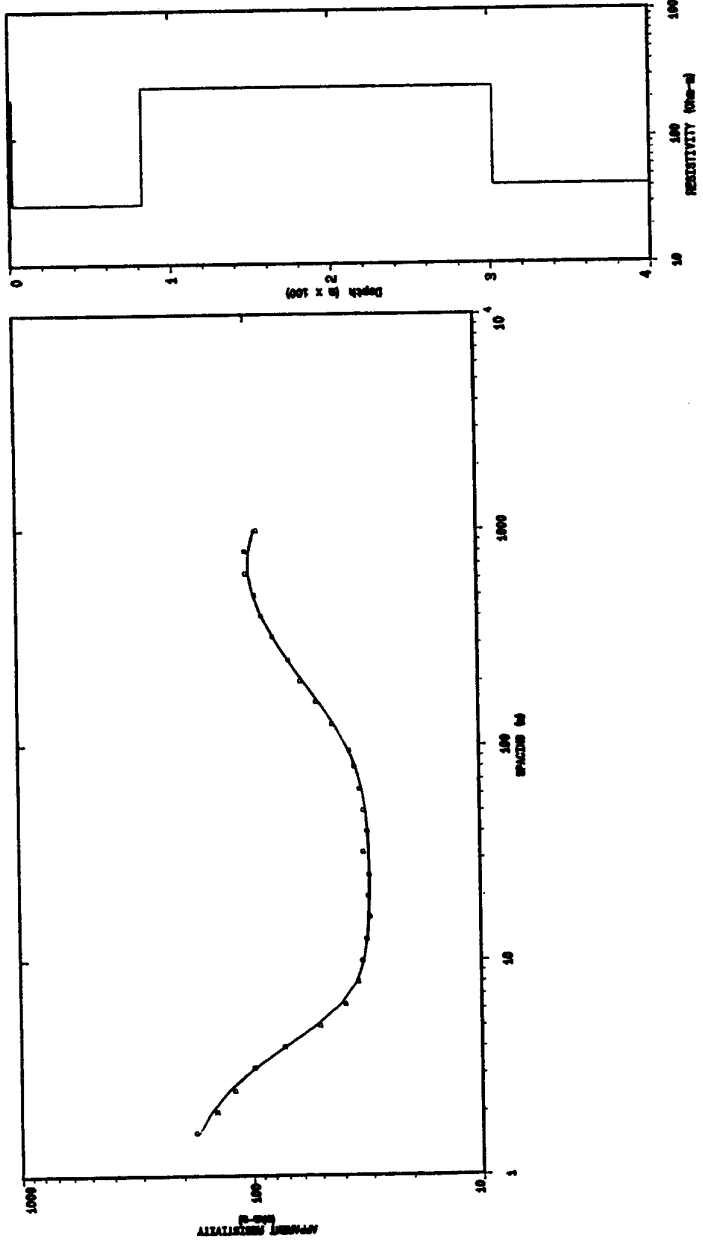
Schlumberger Configuration

FITTING ERROR: 2.642 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 575.0 | |
| 1 | 205.0 | | 1.40 | 573.5 | 0.00683 |
| 2 | 30.00 | | 81.10 | 492.4 | 2.70 |
| 3 | 250.0 | | 219.5 | 272.9 | 0.878 |
| 4 | 42.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 1.60 | 190.7 | 184.3 | 3.31 |
| 2 | 2.00 | 154.5 | 163.4 | -5.79 |
| 3 | 2.50 | 128.3 | 136.7 | -6.56 |
| 4 | 3.20 | 105.4 | 104.0 | 1.23 |
| 5 | 4.00 | 78.00 | 77.11 | 1.13 |
| 6 | 5.00 | 54.50 | 56.73 | -4.10 |
| 7 | 6.30 | 42.00 | 43.82 | -4.35 |
| 8 | 8.00 | 37.00 | 37.33 | -0.893 |
| 9 | 10.00 | 35.40 | 34.77 | 1.77 |
| 10 | 12.60 | 33.80 | 33.62 | 0.504 |
| 11 | 12.60 | 31.50 | 31.34 | 0.504 |
| 12 | 16.00 | 30.50 | 30.81 | -1.04 |
| 13 | 20.00 | 30.90 | 30.58 | 1.00 |
| 14 | 25.00 | 30.60 | 30.51 | 0.263 |
| 15 | 32.00 | 32.30 | 30.60 | 5.24 |
| 16 | 40.00 | 31.00 | 30.87 | 0.389 |
| 17 | 50.00 | 32.20 | 31.46 | 2.27 |
| 18 | 50.00 | 32.20 | 31.46 | 2.27 |
| 19 | 63.00 | 33.40 | 32.61 | 2.33 |
| 20 | 80.00 | 35.10 | 34.73 | 1.05 |
| 21 | 95.00 | 36.80 | 37.07 | -0.755 |
| 22 | 126.0 | 43.60 | 42.92 | 1.55 |
| 23 | 160.0 | 50.90 | 50.01 | 1.73 |
| 24 | 200.0 | 59.50 | 58.27 | 2.05 |
| 25 | 200.0 | 57.00 | 55.82 | 2.05 |
| 26 | 250.0 | 64.20 | 64.78 | -0.914 |
| 27 | 320.0 | 75.00 | 75.09 | -0.129 |
| 28 | 400.0 | 83.60 | 83.77 | -0.209 |
| 29 | 500.0 | 89.40 | 90.67 | -1.42 |
| 30 | 630.0 | 97.10 | 94.64 | 2.52 |
| 31 | 630.0 | 101.2 | 98.64 | 2.52 |
| 32 | 800.0 | 101.6 | 98.19 | 3.35 |
| 33 | 1000.0 | 90.50 | 93.09 | -2.86 |



| | | | |
|----------------------|----------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: RE065 | Date: 19-10-89 | Azimuth: E-20-S | |
| Equipment: SYSCALR2E | Sounding: 65 | | |

DATA SET: REQ66

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 800.00
 SOUNDING COORDINATES: X: 655100.0000 Y: 4383750.0000

DATE: 28-2-90
 SOUNDING: 66
 AZIMUTH: N-130-S
 EQUIPMENT: SYSCALR2E

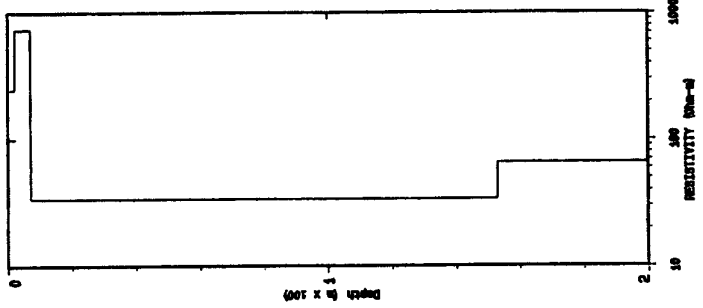
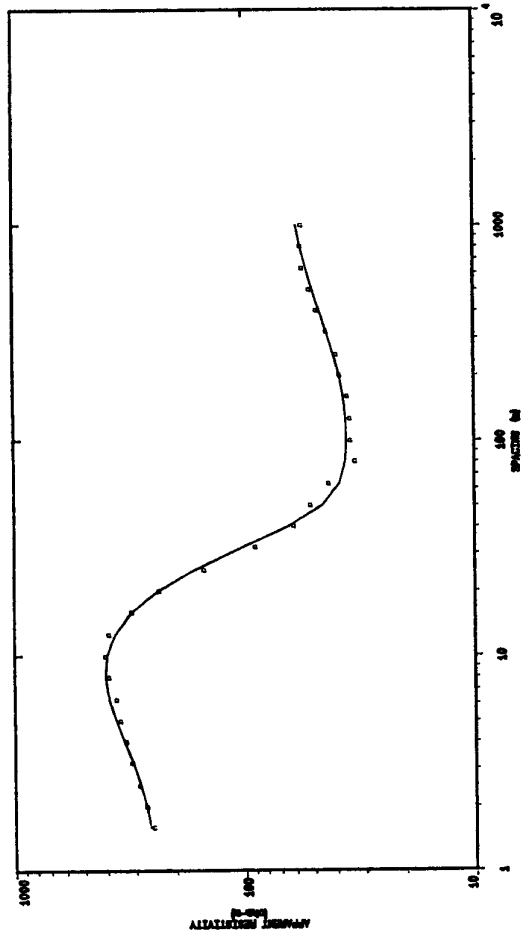
Schlumberger Configuration

FITTING ERROR: 5.887 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 800.0 | |
| 1 | 248.0 | | 2.00 | 798.0 | 0.00806 |
| 2 | 741.0 | | 5.00 | 793.0 | 0.00675 |
| 3 | 34.00 | | 146.0 | 647.0 | 4.29 |
| 4 | 66.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 1.60 | 188.8 | 195.5 | -3.58 |
| 2 | 2.00 | 201.8 | 202.7 | -0.398 |
| 3 | 2.50 | 217.6 | 213.8 | 1.72 |
| 4 | 3.20 | 233.5 | 231.7 | 0.751 |
| 5 | 4.00 | 247.8 | 252.2 | -1.76 |
| 6 | 5.00 | 262.7 | 274.2 | -4.36 |
| 7 | 6.30 | 273.2 | 293.9 | -7.55 |
| 8 | 8.00 | 294.7 | 304.7 | -3.39 |
| 9 | 10.00 | 305.6 | 300.2 | 1.74 |
| 10 | 12.60 | 294.3 | 276.8 | 5.96 |
| 11 | 12.60 | 318.0 | 299.0 | 5.96 |
| 12 | 16.00 | 251.3 | 251.3 | 0.0395 |
| 13 | 20.00 | 190.8 | 193.5 | -1.38 |
| 14 | 25.00 | 121.9 | 134.6 | -10.45 |
| 15 | 32.00 | 72.70 | 81.97 | -12.75 |
| 16 | 40.00 | 49.50 | 51.99 | -5.03 |
| 17 | 50.00 | 41.80 | 36.99 | 11.49 |
| 18 | 50.00 | 47.00 | 41.59 | 11.49 |
| 19 | 63.00 | 39.00 | 34.96 | 10.34 |
| 20 | 80.00 | 30.10 | 32.98 | -9.59 |
| 21 | 100.0 | 31.40 | 32.56 | -3.70 |
| 22 | 126.0 | 31.50 | 32.75 | -3.97 |
| 23 | 160.0 | 32.30 | 33.56 | -3.92 |
| 24 | 200.0 | 34.90 | 34.93 | -0.0960 |
| 25 | 200.0 | 42.00 | 42.04 | -0.0960 |
| 26 | 250.0 | 43.40 | 44.41 | -2.33 |
| 27 | 320.0 | 48.00 | 47.80 | 0.403 |
| 28 | 400.0 | 53.10 | 51.33 | 3.32 |
| 29 | 500.0 | 56.80 | 54.98 | 3.19 |
| 30 | 630.0 | 61.00 | 58.59 | 3.94 |
| 31 | 630.0 | 55.70 | 53.50 | 3.94 |
| 32 | 800.0 | 56.60 | 56.53 | 0.115 |
| 33 | 1000.0 | 56.00 | 58.92 | -5.21 |



| | | | |
|----------------------|---------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: REQ66 | Date: 28-2-90 | Azimuth: N-130-S | |
| Equipment: SYSCALR2E | Sounding: 66 | | |

DATA SET: REQ67

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 740.00
 SOUNDING COORDINATES: X: 655475.0000 Y: 4378550.0000

DATE: 28-11-89
 SOUNDING: 67
 AZIMUTH: S-25-E
 EQUIPMENT: SYSCALR2E

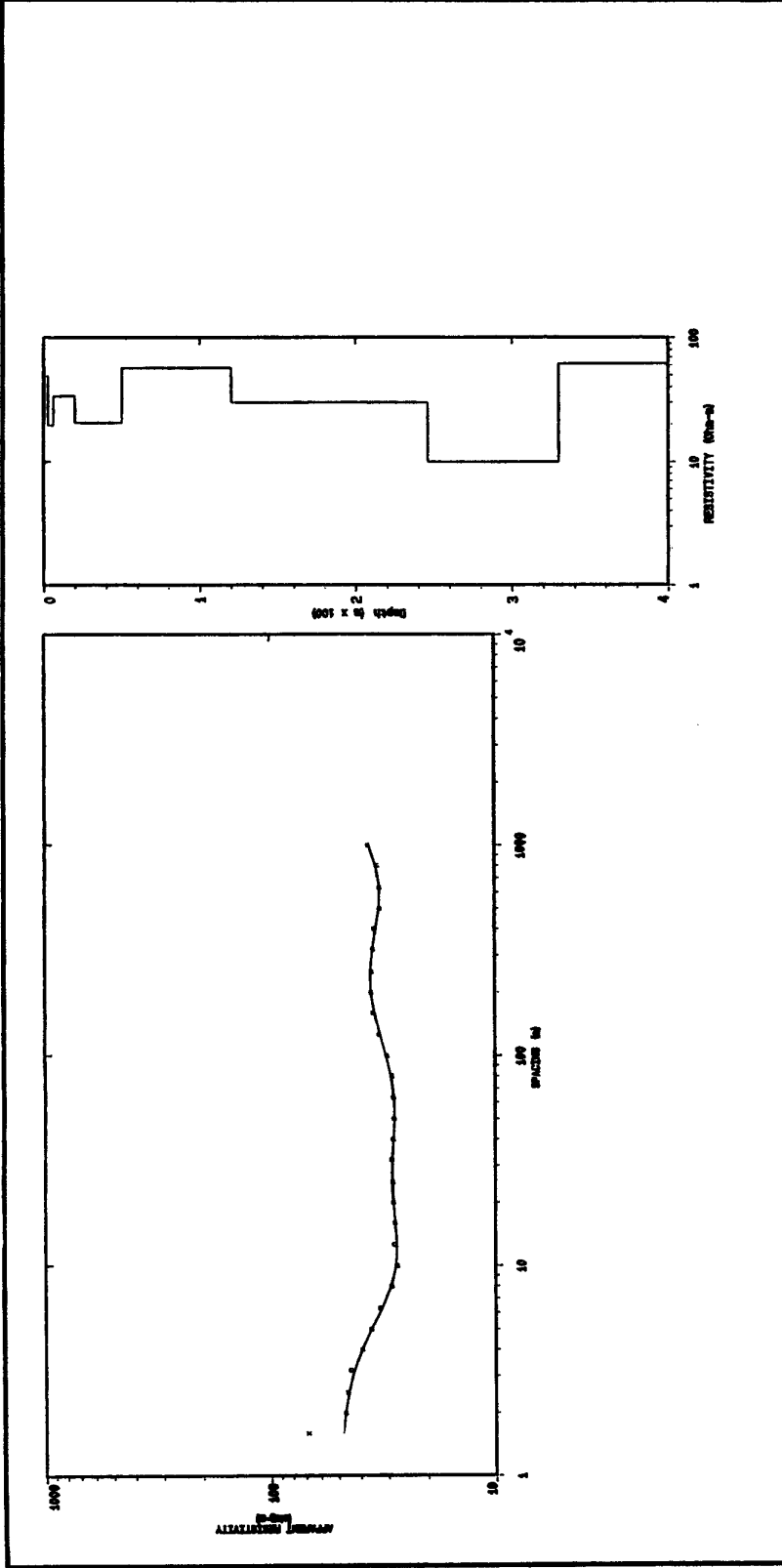
Schlumberger Configuration

FITTING ERROR: 1.261 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 740.0 | |
| 1 | 49.00 | | 2.40 | 737.5 | 0.0489 |
| 2 | 19.60 | | 3.60 | 734.0 | 0.183 |
| 3 | 34.00 | | 14.00 | 720.0 | 0.411 |
| 4 | 20.60 | | 30.00 | 690.0 | 1.45 |
| 5 | 57.50 | | 70.00 | 620.0 | 1.21 |
| 6 | 30.00 | | 126.0 | 494.0 | 4.20 |
| 7 | 10.00 | | 84.00 | 410.0 | 8.40 |
| 8 | 62.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|---------|----------------------|-------------------------|
| 1 | 1.60 | 86.60 | 60.28 | 30.38 |
| 2 | 2.00 | 58.80 | 59.06 | -0.455 |
| 3 | 2.50 | 57.50 | 57.09 | 0.711 |
| 4 | 3.20 | 55.70 | 53.76 | 3.47 |
| 5 | 4.00 | 49.50 | 49.70 | -0.408 |
| 6 | 5.00 | 45.10 | 45.03 | 0.142 |
| 7 | 6.30 | 41.30 | 40.39 | 2.19 |
| 8 | 8.00 | 36.70 | 36.80 | -0.273 |
| 9 | 10.00 | 34.60 | 35.05 | -1.31 |
| 10 | 12.60 | 35.70 | 34.72 | 2.72 |
| 11 | 12.60 | 29.60 | 28.79 | 2.72 |
| 12 | 16.00 | 29.40 | 29.26 | 0.457 |
| 13 | 20.00 | 29.80 | 29.83 | -0.113 |
| 14 | 25.00 | 30.00 | 30.16 | -0.534 |
| 15 | 32.00 | 30.30 | 30.09 | 0.692 |
| 16 | 40.00 | 29.80 | 29.73 | 0.203 |
| 17 | 50.00 | 29.50 | 29.40 | 0.306 |
| 18 | 50.00 | 28.30 | 28.21 | 0.306 |
| 19 | 63.00 | 28.50 | 28.30 | 0.692 |
| 20 | 80.00 | 29.00 | 29.17 | -0.600 |
| 21 | 100.0 | 30.40 | 30.71 | -1.04 |
| 22 | 126.0 | 33.00 | 32.71 | 0.870 |
| 23 | 160.0 | 35.00 | 34.61 | 1.10 |
| 24 | 200.0 | 35.70 | 35.74 | -0.124 |
| 25 | 200.0 | 34.60 | 34.64 | -0.124 |
| 26 | 250.0 | 34.40 | 34.86 | -1.36 |
| 27 | 320.0 | 33.90 | 34.13 | -0.696 |
| 28 | 400.0 | 33.60 | 32.94 | 1.93 |
| 29 | 500.0 | 31.70 | 31.90 | -0.656 |
| 30 | 630.0 | 31.80 | 31.72 | 0.244 |
| 31 | 630.0 | 32.70 | 32.62 | 0.244 |
| 32 | 800.0 | 33.40 | 33.90 | -1.51 |
| 33 | 1000.0 | 35.70 | 35.29 | 0.826 |



| | | | |
|----------------------|----------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: REQ67 | Date: 28-11-89 | | |
| Equipment: SYSCALR2E | Sounding: 67 | Azimuth: S-25-E | |

DATA SET: 68

CLIENT: ITGE
LOCATION: REQUENA
COUNTY: VALENCIA
PROJECT: RESISTIVIDAD
ELEVATION: 750.00
SOUNDING COORDINATES: X: 655100.0000 Y: 4376450.0000

DATE: 23-2-90
SOUNDING: 68
AZIMUTH: N-135-S
EQUIPMENT: SYSCALR2E

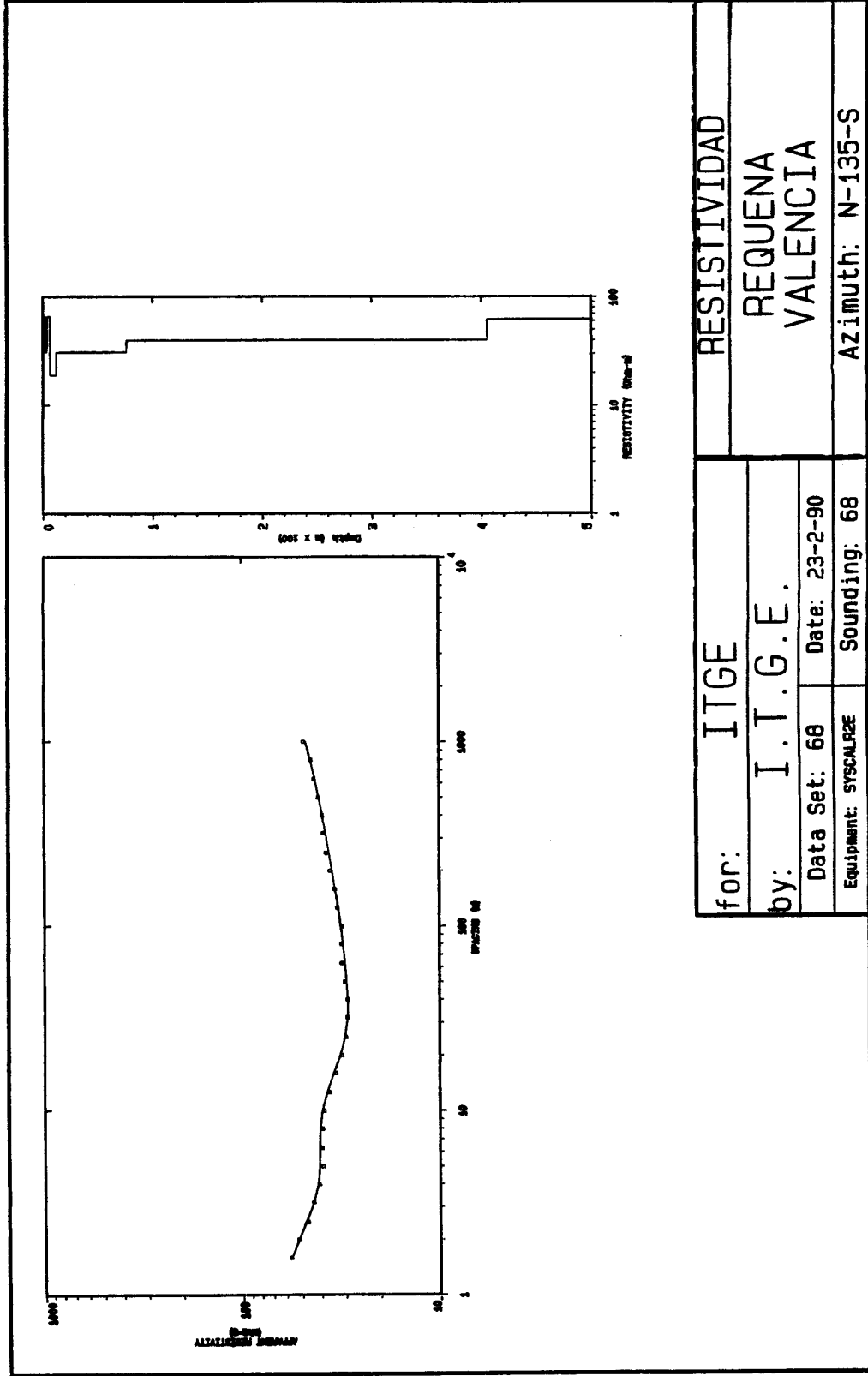
Schlumberger Configuration

FITTING ERROR: 2.039 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 750.0 | |
| 1 | 68.00 | | 1.00 | 749.0 | 0.0147 |
| 2 | 31.00 | | 2.00 | 747.0 | 0.0645 |
| 3 | 66.00 | | 3.00 | 744.0 | 0.0454 |
| 4 | 19.00 | | 6.00 | 738.0 | 0.315 |
| 5 | 31.00 | | 64.00 | 674.0 | 2.06 |
| 6 | 40.00 | | 329.0 | 345.0 | 8.22 |
| 7 | 62.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 50.50 | 50.28 | 0.428 |
| 2 | 2.00 | 46.00 | 46.25 | -0.555 |
| 3 | 2.50 | 41.30 | 42.19 | -2.15 |
| 4 | 3.20 | 38.70 | 38.54 | 0.389 |
| 5 | 4.00 | 36.20 | 36.58 | -1.07 |
| 6 | 5.00 | 34.60 | 35.87 | -3.69 |
| 7 | 6.30 | 35.00 | 35.88 | -2.51 |
| 8 | 8.00 | 34.80 | 35.76 | -2.76 |
| 9 | 10.00 | 34.10 | 34.87 | -2.27 |
| 10 | 12.60 | 32.00 | 33.00 | -3.13 |
| 11 | 12.60 | 31.10 | 32.07 | -3.13 |
| 12 | 16.00 | 28.90 | 29.60 | -2.44 |
| 13 | 20.00 | 26.90 | 27.42 | -1.95 |
| 14 | 25.00 | 25.70 | 25.89 | -0.762 |
| 15 | 32.00 | 25.20 | 25.14 | 0.199 |
| 16 | 40.00 | 25.20 | 25.14 | 0.229 |
| 17 | 50.00 | 26.00 | 25.47 | 2.01 |
| 18 | 50.00 | 26.80 | 26.25 | 2.01 |
| 19 | 63.00 | 27.80 | 26.77 | 3.69 |
| 20 | 80.00 | 27.80 | 27.39 | 1.45 |
| 21 | 100.0 | 27.60 | 28.08 | -1.75 |
| 22 | 126.0 | 29.20 | 28.94 | 0.883 |
| 23 | 160.0 | 30.10 | 29.98 | 0.391 |
| 24 | 200.0 | 31.80 | 31.05 | 2.33 |
| 25 | 200.0 | 32.20 | 31.44 | 2.33 |
| 26 | 250.0 | 33.70 | 32.59 | 3.29 |
| 27 | 320.0 | 34.80 | 33.89 | 2.59 |
| 28 | 400.0 | 35.20 | 35.15 | 0.128 |
| 29 | 500.0 | 36.80 | 36.57 | 0.608 |
| 30 | 630.0 | 38.70 | 38.32 | 0.975 |
| 31 | 630.0 | 43.20 | 42.77 | 0.975 |
| 32 | 800.0 | 44.90 | 45.16 | -0.598 |
| 33 | 1000.0 | 48.90 | 47.66 | 2.52 |



| | | | |
|----------------------|---------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: 68 | Date: 23-2-90 | Azimuth: N-135-S | |
| Equipment: SYSCALR2E | Sounding: 68 | | |

DATA SET: REQ69

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 700.00
 SOUNDING COORDINATES: X: 656000.0000 Y: 4372600.0000

DATE: 22-11-89
 SOUNDING: 69
 AZIMUTH: E-35-S
 EQUIPMENT: SYSCALR2E

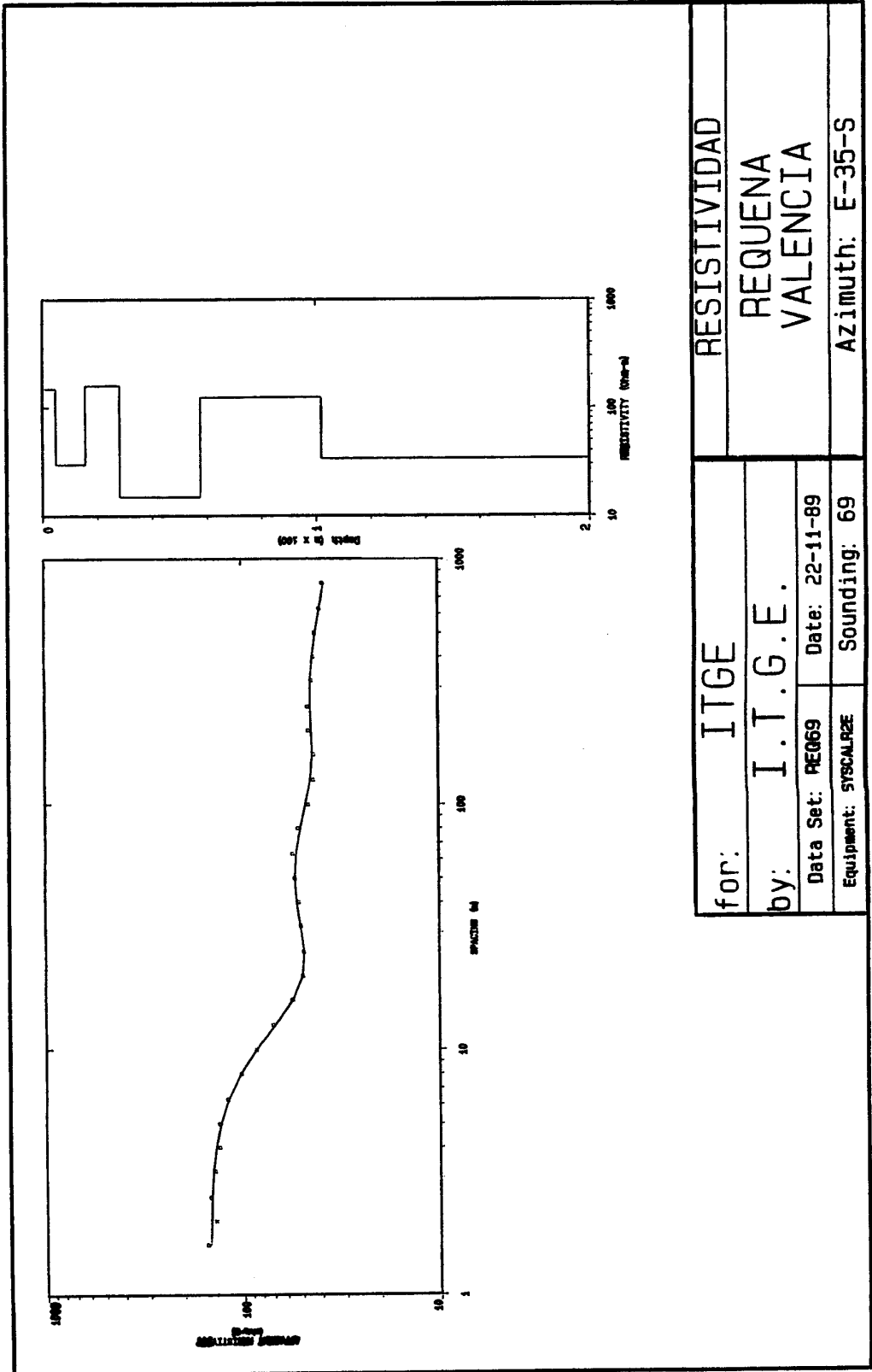
Schlumberger Configuration

FITTING ERROR: 2.233 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 700.0 | |
| 1 | 150.0 | | 4.70 | 695.2 | 0.0313 |
| 2 | 30.00 | | 10.90 | 684.3 | 0.363 |
| 3 | 161.0 | | 12.40 | 671.9 | 0.0770 |
| 4 | 15.00 | | 29.60 | 642.3 | 1.97 |
| 5 | 125.0 | | 44.40 | 597.9 | 0.355 |
| 6 | 34.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 1.60 | 195.0 | 188.1 | 3.48 |
| 2 | 2.00 | 176.1 | 187.2 | -6.32 |
| 3 | 2.50 | 187.7 | 185.4 | 1.19 |
| 4 | 3.20 | 178.2 | 181.6 | -1.96 |
| 5 | 4.00 | 168.3 | 175.6 | -4.30 |
| 6 | 5.00 | 168.2 | 165.9 | 1.35 |
| 7 | 6.30 | 152.7 | 150.9 | 1.16 |
| 8 | 8.00 | 129.2 | 130.2 | -0.778 |
| 9 | 10.00 | 108.1 | 108.1 | -0.0675 |
| 10 | 12.60 | 89.00 | 86.71 | 2.56 |
| 11 | 12.60 | 78.00 | 76.00 | 2.56 |
| 12 | 16.00 | 62.20 | 61.78 | 0.665 |
| 13 | 20.00 | 54.80 | 55.08 | -0.515 |
| 14 | 25.00 | 54.20 | 53.95 | 0.450 |
| 15 | 32.00 | 56.00 | 56.33 | -0.604 |
| 16 | 40.00 | 57.50 | 58.97 | -2.56 |
| 17 | 50.00 | 60.20 | 60.20 | -0.00986 |
| 18 | 50.00 | 60.10 | 60.10 | -0.00986 |
| 19 | 63.00 | 61.60 | 59.12 | 4.01 |
| 20 | 80.00 | 57.70 | 56.05 | 2.85 |
| 21 | 100.0 | 50.90 | 52.48 | -3.10 |
| 22 | 126.0 | 47.90 | 49.60 | -3.55 |
| 23 | 160.0 | 47.60 | 48.47 | -1.83 |
| 24 | 200.0 | 50.60 | 48.84 | 3.46 |
| 25 | 200.0 | 46.50 | 44.88 | 3.46 |
| 26 | 250.0 | 46.90 | 45.53 | 2.90 |
| 27 | 320.0 | 45.00 | 45.52 | -1.16 |
| 28 | 400.0 | 43.80 | 44.48 | -1.55 |
| 29 | 500.0 | 43.10 | 42.69 | 0.928 |
| 30 | 630.0 | 40.70 | 40.58 | 0.289 |
| 31 | 630.0 | 40.10 | 39.98 | 0.289 |
| 32 | 800.0 | 38.60 | 38.03 | 1.47 |



RESISTIVIDAD

REQUENA
VALENCIA

for: ITGE

by: I.T.G.E.

Data Set: REQ69 Date: 22-11-89

Equipment: SYSCALP2E Sounding: 69

Azimuth: E-35-S

DATA SET: REQ70

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 640.00
 SOUNDING COORDINATES: X: 655750.0000 Y: 4369750.0000

DATE: 23-11-89
 SOUNDING: 70
 AZIMUTH: N-5-E
 EQUIPMENT: SYSCALR2E

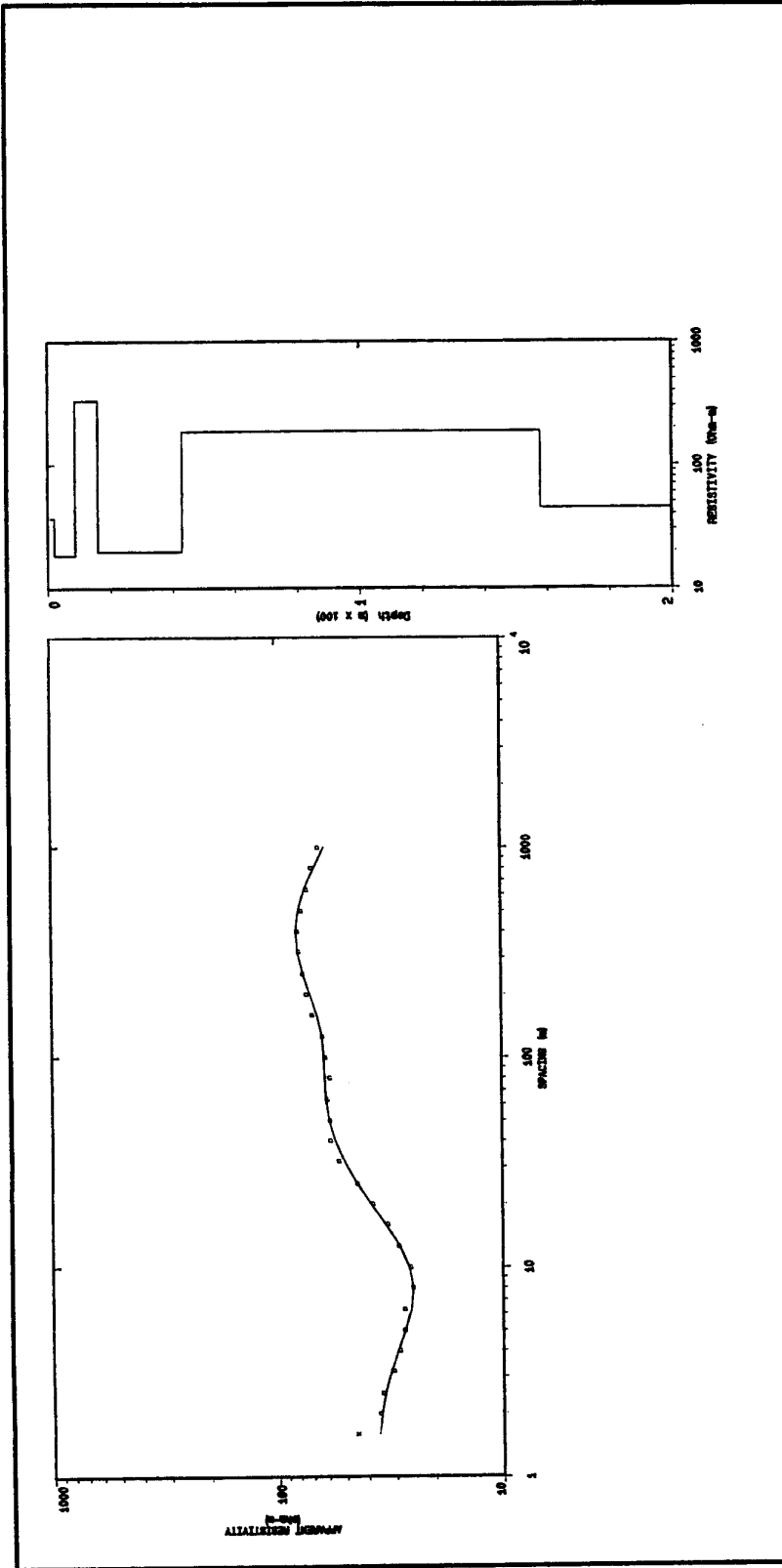
Schlumberger Configuration

FITTING ERROR: 3.028 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 640.0 | |
| 1 | 37.00 | | 2.00 | 638.0 | 0.0540 |
| 2 | 18.50 | | 6.70 | 631.2 | 0.362 |
| 3 | 336.0 | | 7.30 | 624.0 | 0.0217 |
| 4 | 20.00 | | 27.00 | 597.0 | 1.35 |
| 5 | 188.0 | | 115.0 | 482.0 | 0.611 |
| 6 | 45.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 1.60 | 31.80 | 25.50 | 19.78 |
| 2 | 2.00 | 25.30 | 24.89 | 1.58 |
| 3 | 2.50 | 24.50 | 23.96 | 2.16 |
| 4 | 3.20 | 22.00 | 22.53 | -2.42 |
| 5 | 4.00 | 20.60 | 20.97 | -1.84 |
| 6 | 5.00 | 19.60 | 19.45 | 0.727 |
| 7 | 6.30 | 19.60 | 18.30 | 6.62 |
| 8 | 8.00 | 18.00 | 17.95 | 0.226 |
| 9 | 10.00 | 18.40 | 18.68 | -1.55 |
| 10 | 12.60 | 20.80 | 20.62 | 0.855 |
| 11 | 12.60 | 17.90 | 17.74 | 0.855 |
| 12 | 16.00 | 20.00 | 20.48 | -2.41 |
| 13 | 20.00 | 23.20 | 23.73 | -2.28 |
| 14 | 25.00 | 27.20 | 27.29 | -0.343 |
| 15 | 32.00 | 32.80 | 31.12 | 5.10 |
| 16 | 40.00 | 35.80 | 34.07 | 4.80 |
| 17 | 50.00 | 35.90 | 36.22 | -0.913 |
| 18 | 50.00 | 37.80 | 38.14 | -0.913 |
| 19 | 63.00 | 38.80 | 39.43 | -1.64 |
| 20 | 80.00 | 37.80 | 39.85 | -5.44 |
| 21 | 100.0 | 39.50 | 40.02 | -1.33 |
| 22 | 126.0 | 40.70 | 40.83 | -0.326 |
| 23 | 160.0 | 45.10 | 42.97 | 4.70 |
| 24 | 200.0 | 47.70 | 46.07 | 3.41 |
| 25 | 200.0 | 55.90 | 53.99 | 3.41 |
| 26 | 250.0 | 58.00 | 57.94 | 0.0910 |
| 27 | 320.0 | 60.50 | 61.24 | -1.22 |
| 28 | 400.0 | 61.30 | 62.17 | -1.43 |
| 29 | 500.0 | 58.80 | 60.72 | -3.26 |
| 30 | 630.0 | 55.50 | 56.93 | -2.59 |
| 31 | 630.0 | 73.40 | 75.30 | -2.59 |
| 32 | 800.0 | 69.80 | 68.17 | 2.33 |
| 33 | 1000.0 | 65.30 | 61.29 | 6.13 |



| | | | |
|----------------------|----------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: REQ70 | Date: 23-11-89 | Azimuth: N-5-E | |
| Equipment: SYSCALRAE | Sounding: 70 | | |

DATA SET: 71

CLIENT: ITGE
LOCATION: REQUENA
COUNTY: VALENCIA
PROJECT: RESISTIVIDAD
ELEVATION: 740.00
SOUNDING COORDINATES: X: 656150.0000 Y: 4380750.0000

DATE: 22-2-90
SOUNDING: 71
AZIMUTH: N-150-S
EQUIPMENT: SYSCALR2E

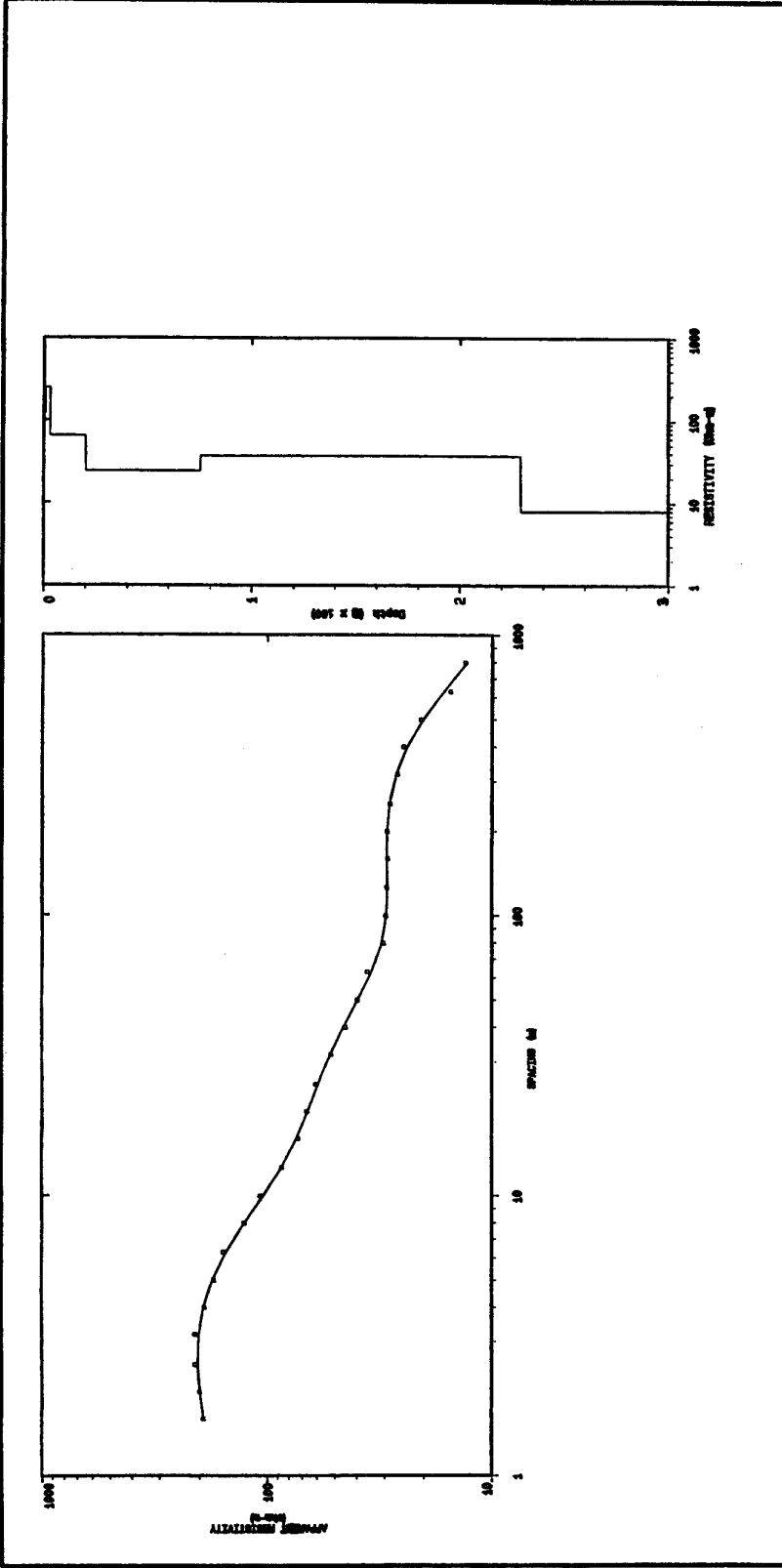
Schlumberger Configuration

FITTING ERROR: 2.468 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 740.0 | |
| 1 | 123.0 | | 0.400 | 739.5 | 0.00325 |
| 2 | 253.0 | | 2.40 | 737.1 | 0.00949 |
| 3 | 66.00 | | 17.20 | 719.9 | 0.260 |
| 4 | 24.50 | | 55.00 | 664.9 | 2.24 |
| 5 | 37.50 | | 154.0 | 510.9 | 4.10 |
| 6 | 8.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 193.5 | 193.0 | 0.236 |
| 2 | 2.00 | 201.3 | 201.4 | -0.0943 |
| 3 | 2.50 | 211.1 | 205.7 | 2.55 |
| 4 | 3.20 | 210.8 | 203.5 | 3.47 |
| 5 | 4.00 | 191.5 | 194.1 | -1.37 |
| 6 | 5.00 | 174.0 | 177.2 | -1.84 |
| 7 | 6.30 | 157.8 | 153.5 | 2.67 |
| 8 | 8.00 | 127.0 | 126.8 | 0.104 |
| 9 | 10.00 | 107.8 | 104.3 | 3.18 |
| 10 | 12.60 | 86.40 | 86.57 | -0.200 |
| 11 | 12.60 | 90.70 | 90.88 | -0.200 |
| 12 | 16.00 | 77.00 | 77.94 | -1.22 |
| 13 | 20.00 | 70.40 | 69.69 | 1.00 |
| 14 | 25.00 | 64.30 | 62.84 | 2.26 |
| 15 | 32.00 | 54.70 | 55.23 | -0.983 |
| 16 | 40.00 | 47.20 | 48.15 | -2.02 |
| 17 | 50.00 | 41.70 | 41.56 | 0.316 |
| 18 | 50.00 | 37.40 | 37.28 | 0.316 |
| 19 | 63.00 | 33.90 | 32.44 | 4.28 |
| 20 | 80.00 | 28.80 | 29.29 | -1.72 |
| 21 | 100.0 | 28.10 | 27.92 | 0.614 |
| 22 | 126.0 | 27.80 | 27.60 | 0.717 |
| 23 | 160.0 | 27.50 | 27.74 | -0.888 |
| 24 | 200.0 | 27.70 | 27.72 | -0.101 |
| 25 | 200.0 | 26.60 | 26.62 | -0.101 |
| 26 | 250.0 | 25.90 | 26.01 | -0.449 |
| 27 | 320.0 | 24.00 | 24.28 | -1.17 |
| 28 | 400.0 | 22.50 | 21.68 | 3.62 |
| 29 | 500.0 | 18.80 | 18.38 | 2.18 |
| 30 | 630.0 | 13.90 | 14.84 | -6.81 |
| 31 | 630.0 | 15.30 | 16.34 | -6.81 |
| 32 | 800.0 | 13.20 | 12.92 | 2.04 |



| | | | |
|----------------------|---------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: 71 | Date: 22-2-90 | Azimuth: N-150-S | |
| Equipment: SYSCALR8E | Sounding: 71 | | |

DATA SET: REQ72

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 720.00
 SOUNDING COORDINATES: X: 656425.0000 Y: 4377225.0000

DATE: 26-2-90
 SOUNDING: 72
 AZIMUTH: N-130 -S
 EQUIPMENT: SYSCALR2E

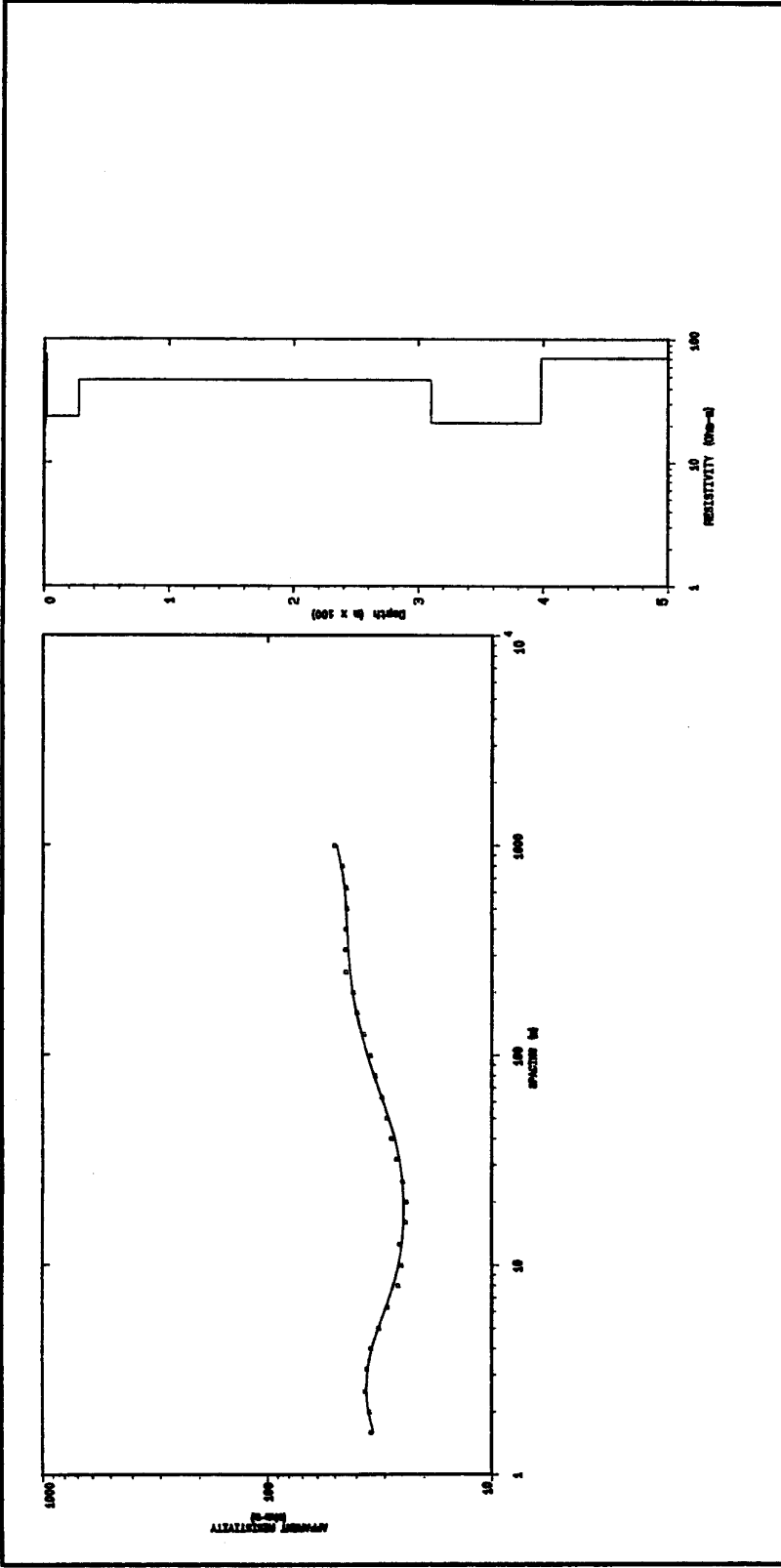
Schlumberger Configuration

FITTING ERROR: 2.278 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 720.0 | |
| 1 | 19.50 | | 0.500 | 719.5 | 0.0256 |
| 2 | 76.50 | | 0.700 | 718.7 | 0.00915 |
| 3 | 23.50 | | 26.30 | 692.5 | 1.11 |
| 4 | 47.00 | | 282.5 | 410.0 | 6.01 |
| 5 | 21.00 | | 88.00 | 322.0 | 4.19 |
| 6 | 71.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 37.10 | 36.13 | 2.60 |
| 2 | 2.00 | 37.70 | 38.20 | -1.33 |
| 3 | 2.50 | 39.50 | 39.12 | 0.955 |
| 4 | 3.20 | 38.80 | 38.60 | 0.507 |
| 5 | 4.00 | 37.20 | 36.90 | 0.797 |
| 6 | 5.00 | 34.30 | 34.48 | -0.544 |
| 7 | 6.30 | 31.40 | 31.84 | -1.40 |
| 8 | 8.00 | 28.20 | 29.51 | -4.67 |
| 9 | 10.00 | 27.20 | 27.97 | -2.84 |
| 10 | 12.60 | 27.80 | 27.00 | 2.86 |
| 11 | 12.60 | 29.60 | 28.75 | 2.86 |
| 12 | 16.00 | 27.70 | 28.26 | -2.04 |
| 13 | 20.00 | 27.50 | 28.24 | -2.69 |
| 14 | 25.00 | 28.60 | 28.61 | -0.0588 |
| 15 | 32.00 | 30.50 | 29.57 | 3.04 |
| 16 | 40.00 | 32.10 | 31.00 | 3.40 |
| 17 | 50.00 | 33.70 | 33.00 | 2.07 |
| 18 | 50.00 | 31.60 | 30.94 | 2.07 |
| 19 | 63.00 | 33.20 | 33.33 | -0.397 |
| 20 | 80.00 | 35.60 | 36.06 | -1.30 |
| 21 | 100.0 | 37.30 | 38.62 | -3.56 |
| 22 | 126.0 | 39.90 | 41.09 | -2.99 |
| 23 | 160.0 | 42.90 | 43.29 | -0.919 |
| 24 | 200.0 | 44.60 | 44.94 | -0.774 |
| 25 | 200.0 | 40.50 | 40.81 | -0.774 |
| 26 | 250.0 | 43.70 | 41.93 | 4.03 |
| 27 | 320.0 | 44.00 | 42.76 | 2.80 |
| 28 | 400.0 | 43.70 | 43.23 | 1.05 |
| 29 | 500.0 | 43.30 | 43.65 | -0.815 |
| 30 | 630.0 | 43.50 | 44.36 | -1.99 |
| 31 | 630.0 | 44.70 | 45.59 | -1.99 |
| 32 | 800.0 | 46.70 | 47.09 | -0.836 |
| 33 | 1000.0 | 50.70 | 49.33 | 2.68 |



| | | | |
|----------------------|---------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: RE072 | Date: 26-2-90 | Azimuth: N-130 -S | |
| Equipment: SYSCALR2E | Sounding: 72 | | |

DATA SET: REQ73

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 740.00
 SOUNDING COORDINATES: X: 656850.0000 Y: 4373600.0000

DATE: 8-11-89
 SOUNDING: 73
 AZIMUTH: S-35-E
 EQUIPMENT: SYSCALR2E

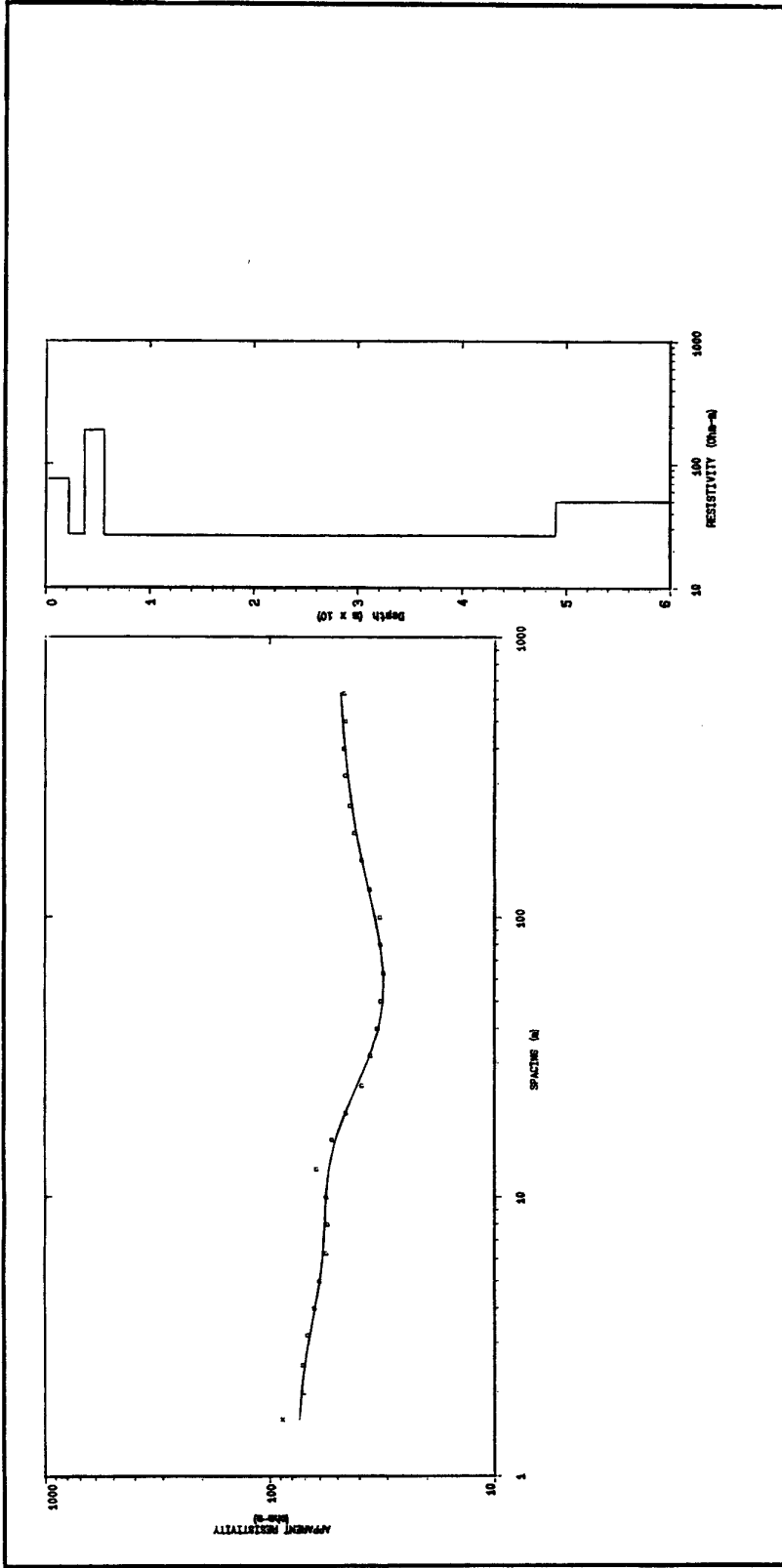
Schlumberger Configuration

FITTING ERROR: 4.075 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 740.0 | |
| 1 | 76.00 | | 2.20 | 737.7 | 0.0289 |
| 2 | 27.00 | | 1.50 | 736.2 | 0.0555 |
| 3 | 188.0 | | 1.90 | 734.3 | 0.0101 |
| 4 | 26.50 | | 43.40 | 690.9 | 1.63 |
| 5 | 50.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 95.40 | 80.17 | 15.95 |
| 2 | 2.00 | 76.70 | 78.50 | -2.35 |
| 3 | 2.50 | 77.40 | 76.00 | 1.80 |
| 4 | 3.20 | 73.80 | 72.24 | 2.10 |
| 5 | 4.00 | 69.00 | 68.36 | 0.924 |
| 6 | 5.00 | 65.30 | 64.90 | 0.602 |
| 7 | 6.30 | 61.00 | 62.66 | -2.72 |
| 8 | 8.00 | 60.30 | 61.80 | -2.49 |
| 9 | 10.00 | 61.10 | 61.25 | -0.250 |
| 10 | 12.60 | 67.50 | 59.45 | 11.91 |
| 11 | 12.60 | 62.30 | 54.87 | 11.91 |
| 12 | 16.00 | 53.00 | 51.17 | 3.45 |
| 13 | 20.00 | 45.90 | 46.20 | -0.674 |
| 14 | 25.00 | 39.00 | 40.84 | -4.72 |
| 15 | 32.00 | 35.70 | 35.77 | -0.209 |
| 16 | 40.00 | 33.20 | 32.72 | 1.42 |
| 17 | 50.00 | 32.10 | 31.27 | 2.57 |
| 18 | 50.00 | 32.00 | 31.17 | 2.57 |
| 19 | 63.00 | 31.10 | 31.11 | -0.0376 |
| 20 | 80.00 | 32.20 | 32.22 | -0.0690 |
| 21 | 100.0 | 32.40 | 34.01 | -4.99 |
| 22 | 126.0 | 35.90 | 36.32 | -1.19 |
| 23 | 160.0 | 38.90 | 38.86 | 0.0847 |
| 24 | 200.0 | 42.00 | 41.13 | 2.06 |
| 25 | 200.0 | 42.10 | 41.22 | 2.06 |
| 26 | 250.0 | 44.10 | 43.25 | 1.92 |
| 27 | 320.0 | 46.30 | 45.12 | 2.53 |
| 28 | 400.0 | 46.90 | 46.47 | 0.908 |
| 29 | 500.0 | 46.20 | 47.51 | -2.84 |
| 30 | 630.0 | 46.80 | 48.31 | -3.22 |



| | | | |
|----------------------|---------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: REQ73 | Date: 8-11-89 | Azimuth: S-35-E | |
| Equipment: SYSCALR2E | Sounding: 73 | | |

DATA SET: REQ74

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 640.00
 SOUNDING COORDINATES: X: 657000.0000 Y: 4370650.0000

DATE: 9-11-89
 SOUNDING: 74
 AZIMUTH: S-25
 EQUIPMENT: SYSCALR2E

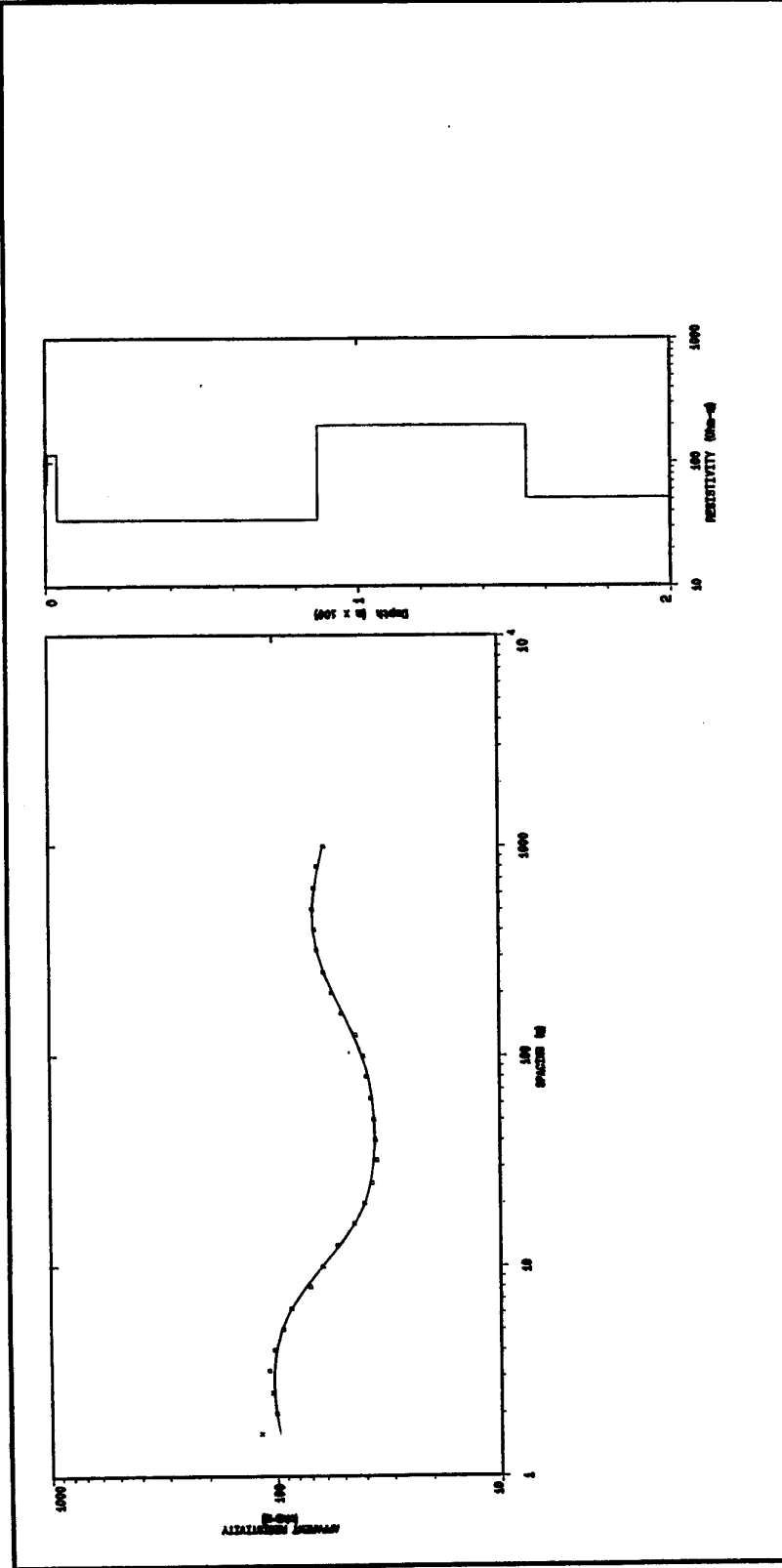
Schlumberger Configuration

FITTING ERROR: 1.792 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 640.0 | |
| 1 | 68.40 | | 0.400 | 639.5 | 0.00585 |
| 2 | 117.5 | | 3.20 | 636.3 | 0.0272 |
| 3 | 34.50 | | 83.40 | 552.9 | 2.41 |
| 4 | 200.0 | | 67.00 | 485.9 | 0.335 |
| 5 | 51.60 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 1.60 | 148.8 | 122.8 | 17.44 |
| 2 | 2.00 | 127.1 | 127.4 | -0.254 |
| 3 | 2.50 | 131.5 | 130.1 | 1.01 |
| 4 | 3.20 | 136.7 | 130.2 | 4.69 |
| 5 | 4.00 | 129.2 | 126.9 | 1.72 |
| 6 | 5.00 | 117.9 | 119.8 | -1.64 |
| 7 | 6.30 | 108.6 | 108.3 | 0.214 |
| 8 | 8.00 | 89.50 | 93.36 | -4.31 |
| 9 | 10.00 | 78.40 | 78.76 | -0.463 |
| 10 | 12.60 | 67.40 | 65.65 | 2.58 |
| 11 | 12.60 | 62.10 | 60.49 | 2.58 |
| 12 | 16.00 | 52.10 | 51.56 | 1.03 |
| 13 | 20.00 | 46.90 | 46.52 | 0.798 |
| 14 | 25.00 | 43.20 | 43.82 | -1.45 |
| 15 | 32.00 | 41.20 | 42.44 | -3.01 |
| 16 | 40.00 | 41.80 | 42.01 | -0.513 |
| 17 | 50.00 | 42.40 | 42.16 | 0.543 |
| 18 | 50.00 | 39.10 | 38.88 | 0.543 |
| 19 | 63.00 | 40.40 | 39.65 | 1.85 |
| 20 | 80.00 | 42.10 | 41.31 | 1.86 |
| 21 | 100.0 | 43.50 | 43.95 | -1.03 |
| 22 | 126.0 | 46.80 | 48.00 | -2.58 |
| 23 | 160.0 | 54.30 | 53.53 | 1.41 |
| 24 | 200.0 | 60.00 | 59.37 | 1.03 |
| 25 | 200.0 | 56.90 | 56.31 | 1.03 |
| 26 | 250.0 | 61.80 | 61.67 | 0.206 |
| 27 | 320.0 | 66.10 | 66.36 | -0.403 |
| 28 | 400.0 | 67.70 | 68.79 | -1.61 |
| 29 | 500.0 | 69.20 | 69.21 | -0.0241 |
| 30 | 630.0 | 68.10 | 67.74 | 0.525 |
| 31 | 630.0 | 66.80 | 66.44 | 0.525 |
| 32 | 800.0 | 64.60 | 63.61 | 1.52 |
| 33 | 1000.0 | 59.90 | 60.55 | -1.09 |



| | | | |
|----------------------|---------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: REG74 | Date: 9-11-89 | Azimuth: S-25 | |
| Equipment: SYSCALR2E | Sounding: 74 | | |

DATA SET: REQ75

CLIENT: ITGE DATE: 3-11-89
 LOCATION: REQUENA SOUNDING: 75
 COUNTY: VALENCIA AZIMUTH: N-55-E
 PROJECT: RESISTIVIDAD EQUIPMENT: SYSCALR2E
 ELEVATION: 610.00
 SOUNDING COORDINATES: X: 656650.0000 Y: 4368200.0000

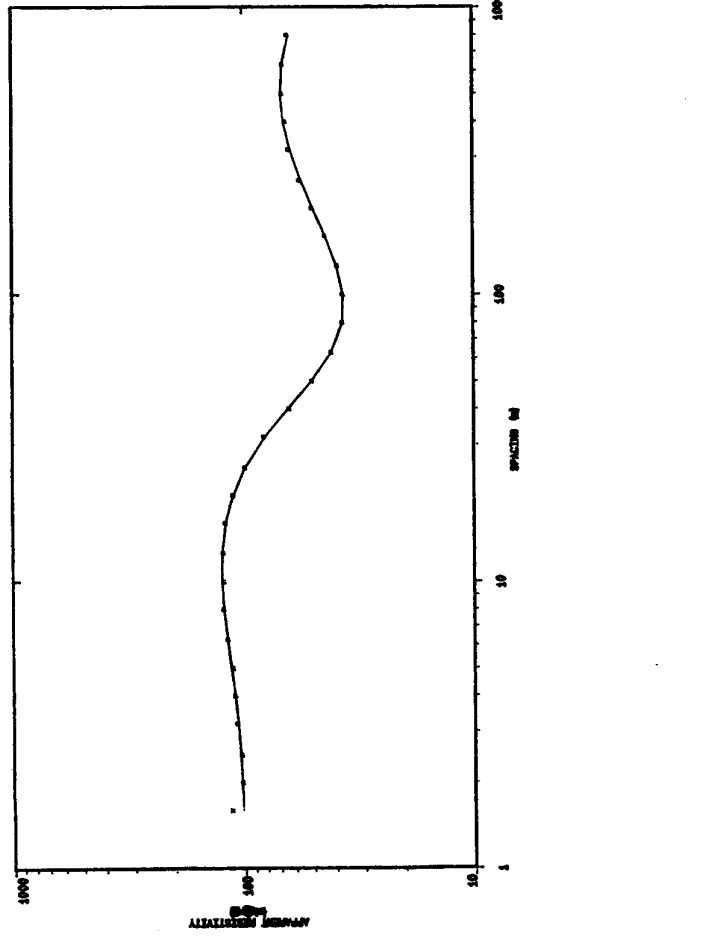
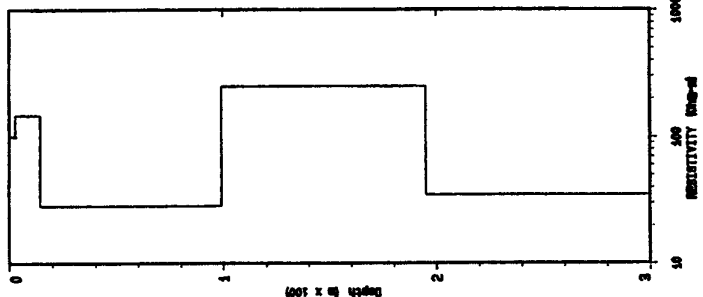
Schlumberger Configuration

FITTING ERROR: 0.979 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 610.0 | |
| 1 | 101.0 | | 2.50 | 607.5 | 0.0247 |
| 2 | 148.0 | | 11.80 | 595.7 | 0.0797 |
| 3 | 28.50 | | 84.70 | 511.0 | 2.97 |
| 4 | 250.0 | | 96.00 | 415.0 | 0.384 |
| 5 | 35.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 128.1 | 114.5 | 10.56 |
| 2 | 2.00 | 115.6 | 115.5 | 0.0334 |
| 3 | 2.50 | 116.2 | 117.1 | -0.853 |
| 4 | 3.20 | 121.6 | 120.0 | 1.28 |
| 5 | 4.00 | 124.2 | 123.7 | 0.399 |
| 6 | 5.00 | 126.7 | 128.2 | -1.25 |
| 7 | 6.30 | 133.3 | 133.4 | -0.0309 |
| 8 | 8.00 | 138.7 | 138.1 | 0.413 |
| 9 | 10.00 | 137.8 | 140.7 | -2.05 |
| 10 | 12.60 | 139.3 | 140.3 | -0.704 |
| 11 | 12.60 | 116.4 | 117.2 | -0.705 |
| 12 | 16.00 | 113.8 | 113.0 | 0.627 |
| 13 | 20.00 | 104.9 | 104.9 | -0.0225 |
| 14 | 25.00 | 92.90 | 92.58 | 0.337 |
| 15 | 32.00 | 76.80 | 75.64 | 1.50 |
| 16 | 40.00 | 59.70 | 60.15 | -0.763 |
| 17 | 50.00 | 47.50 | 47.37 | 0.266 |
| 18 | 50.00 | 47.70 | 47.57 | 0.266 |
| 19 | 63.00 | 39.10 | 38.89 | 0.530 |
| 20 | 80.00 | 35.00 | 34.86 | 0.393 |
| 21 | 100.0 | 34.80 | 34.62 | 0.502 |
| 22 | 126.0 | 36.70 | 36.94 | -0.678 |
| 23 | 160.0 | 41.60 | 41.39 | 0.492 |
| 24 | 200.0 | 47.30 | 46.84 | 0.960 |
| 25 | 200.0 | 48.70 | 48.23 | 0.960 |
| 26 | 250.0 | 55.20 | 54.34 | 1.54 |
| 27 | 320.0 | 61.80 | 60.55 | 2.00 |
| 28 | 400.0 | 63.50 | 64.62 | -1.76 |
| 29 | 500.0 | 65.50 | 66.40 | -1.37 |
| 30 | 630.0 | 65.20 | 65.35 | -0.236 |
| 31 | 630.0 | 67.30 | 67.45 | -0.236 |
| 32 | 800.0 | 64.10 | 63.29 | 1.26 |



| | |
|----------------------|---------------|
| RESISTIVIDAD | |
| REQUENA VALENCIA | |
| for: ITGE | |
| by: I.T.G.E. | |
| Data Set: REQ75 | Date: 3-11-89 |
| Equipment: SYSCALR2E | Sounding: 75 |
| Azimuth: N-55-E | |

DATA SET: 76

CLIENT: ITGE
LOCATION: REQUENA
COUNTY: VALENCIA
PROJECT: RESISTIVIDAD
ELEVATION: 780.00
SOUNDING COORDINATES: X: 657350.0000 Y: 4381450.0000

DATE: 22-2-90
SOUNDING: 76
AZIMUTH: N-150-S
EQUIPMENT: SYSCALR2E

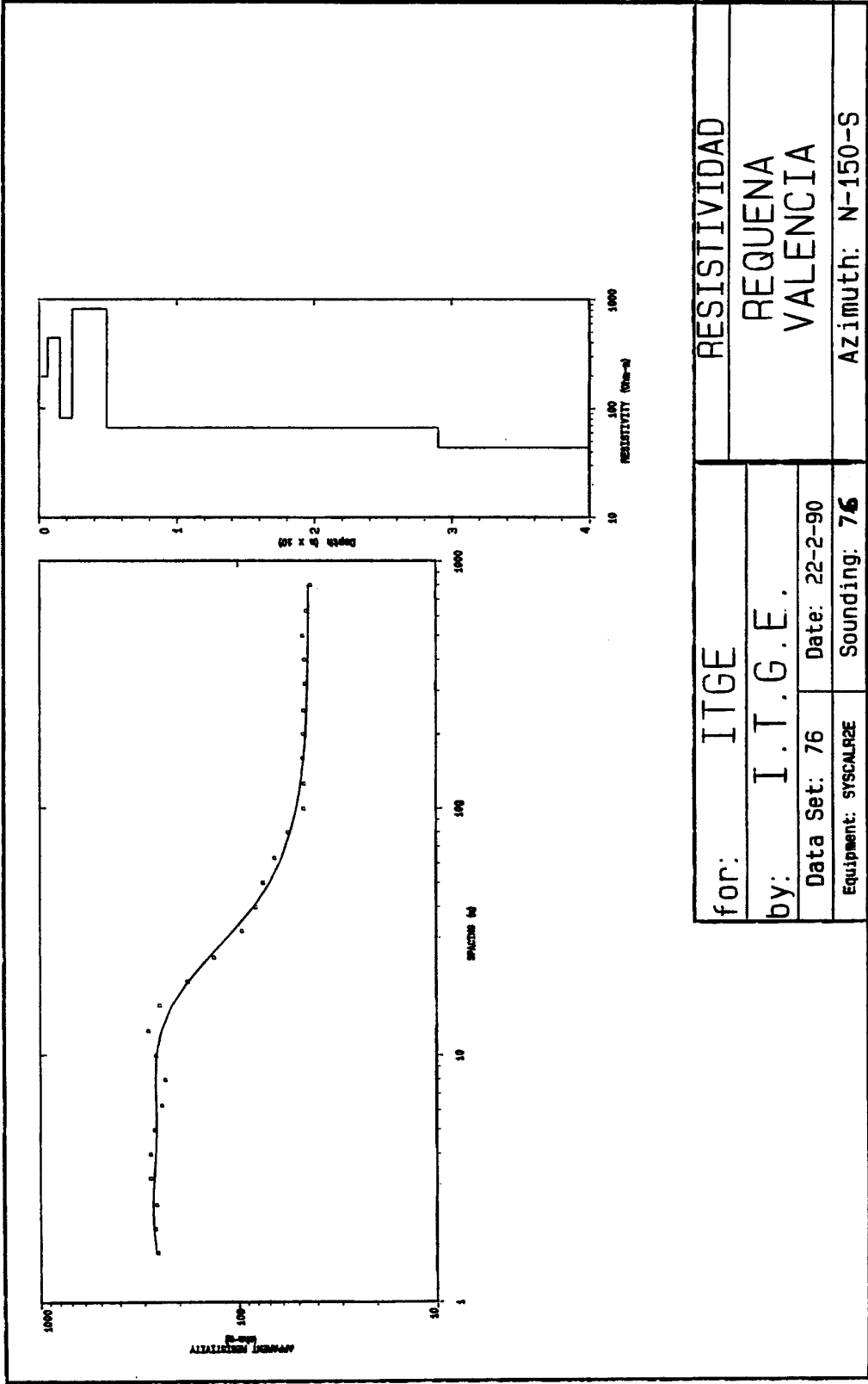
Schlumberger Configuration

FITTING ERROR: 6.992 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 780.0 | |
| 1 | 197.0 | | 0.600 | 779.4 | 0.00305 |
| 2 | 449.0 | | 0.900 | 778.5 | 0.00200 |
| 3 | 82.00 | | 0.900 | 777.5 | 0.0109 |
| 4 | 822.0 | | 2.50 | 775.0 | 0.00304 |
| 5 | 67.00 | | 24.10 | 751.0 | 0.359 |
| 6 | 44.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 347.7 | 352.6 | -1.42 |
| 2 | 2.00 | 357.0 | 364.2 | -2.02 |
| 3 | 2.50 | 351.3 | 367.4 | -4.56 |
| 4 | 3.20 | 377.7 | 362.2 | 4.09 |
| 5 | 4.00 | 376.8 | 354.6 | 5.89 |
| 6 | 5.00 | 358.6 | 350.4 | 2.27 |
| 7 | 6.30 | 329.8 | 352.1 | -6.74 |
| 8 | 8.00 | 316.5 | 355.7 | -12.40 |
| 9 | 10.00 | 352.5 | 351.7 | 0.225 |
| 10 | 12.60 | 386.1 | 331.6 | 14.09 |
| 11 | 12.60 | 377.7 | 324.5 | 14.09 |
| 12 | 16.00 | 329.7 | 285.5 | 13.38 |
| 13 | 20.00 | 238.5 | 237.1 | 0.572 |
| 14 | 25.00 | 175.8 | 186.7 | -6.23 |
| 15 | 32.00 | 126.5 | 139.7 | -10.48 |
| 16 | 40.00 | 107.8 | 110.0 | -2.09 |
| 17 | 50.00 | 98.90 | 91.41 | 7.57 |
| 18 | 50.00 | 85.70 | 79.21 | 7.57 |
| 19 | 63.00 | 74.90 | 69.05 | 7.80 |
| 20 | 80.00 | 64.00 | 62.33 | 2.60 |
| 21 | 100.0 | 53.30 | 58.04 | -8.90 |
| 22 | 126.0 | 53.00 | 55.06 | -3.90 |
| 23 | 160.0 | 53.70 | 53.15 | 1.00 |
| 24 | 200.0 | 53.60 | 52.07 | 2.84 |
| 25 | 200.0 | 51.50 | 50.03 | 2.84 |
| 26 | 250.0 | 51.10 | 49.38 | 3.36 |
| 27 | 320.0 | 50.20 | 48.93 | 2.51 |
| 28 | 400.0 | 50.60 | 48.69 | 3.76 |
| 29 | 500.0 | 51.70 | 48.55 | 6.08 |
| 30 | 630.0 | 49.40 | 48.46 | 1.89 |
| 31 | 630.0 | 45.00 | 44.14 | 1.89 |
| 32 | 800.0 | 43.00 | 44.09 | -2.55 |



DATA SET: REQ77

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 740.00
 SOUNDING COORDINATES: X: 658000.0000 Y: 4380250.0000

DATE: 21-2-90
 SOUNDING: 77
 AZIMUTH: E-80 -S
 EQUIPMENT: SYSCALR2E

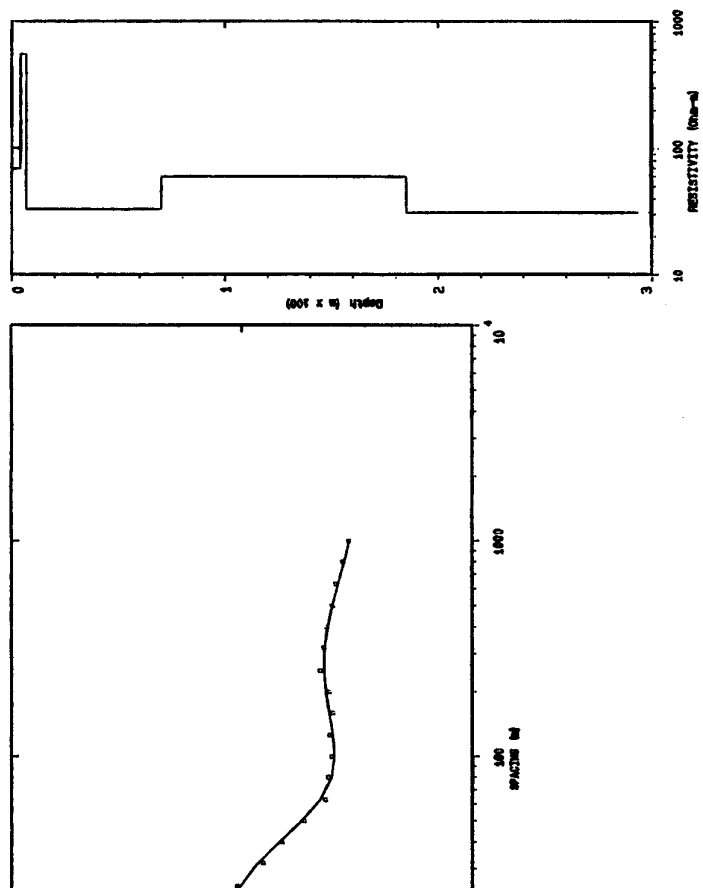
Schlumberger Configuration

FITTING ERROR: 3.012 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 740.0 | |
| 1 | 68.60 | | 4.00 | 736.0 | 0.0583 |
| 2 | 555.0 | | 2.70 | 733.2 | 0.00486 |
| 3 | 33.00 | | 63.30 | 670.0 | 1.91 |
| 4 | 60.00 | | 115.0 | 555.0 | 1.91 |
| 5 | 31.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 1.60 | 63.30 | 61.89 | 2.22 |
| 2 | 2.00 | 61.00 | 62.47 | -2.41 |
| 3 | 2.50 | 62.80 | 63.53 | -1.17 |
| 4 | 3.20 | 67.90 | 65.66 | 3.29 |
| 5 | 4.00 | 69.90 | 68.92 | 1.40 |
| 6 | 5.00 | 72.20 | 73.90 | -2.36 |
| 7 | 6.30 | 76.20 | 81.05 | -6.37 |
| 8 | 8.00 | 85.50 | 89.91 | -5.16 |
| 9 | 10.00 | 96.50 | 98.00 | -1.56 |
| 10 | 12.60 | 104.2 | 104.0 | 0.169 |
| 11 | 12.60 | 124.4 | 124.1 | 0.169 |
| 12 | 16.00 | 129.8 | 125.9 | 2.97 |
| 13 | 20.00 | 125.2 | 120.8 | 3.50 |
| 14 | 25.00 | 111.9 | 109.1 | 2.42 |
| 15 | 32.00 | 86.50 | 91.05 | -5.26 |
| 16 | 40.00 | 71.70 | 73.61 | -2.66 |
| 17 | 50.00 | 57.40 | 58.84 | -2.52 |
| 18 | 50.00 | 52.80 | 54.13 | -2.52 |
| 19 | 63.00 | 42.60 | 44.71 | -4.95 |
| 20 | 80.00 | 41.30 | 39.95 | 3.25 |
| 21 | 100.0 | 39.90 | 38.80 | 2.73 |
| 22 | 126.0 | 40.80 | 39.48 | 3.22 |
| 23 | 160.0 | 39.40 | 40.98 | -4.02 |
| 24 | 200.0 | 40.90 | 42.36 | -3.57 |
| 25 | 200.0 | 38.00 | 39.35 | -3.57 |
| 26 | 250.0 | 41.70 | 40.09 | 3.84 |
| 27 | 320.0 | 40.10 | 39.90 | 0.493 |
| 28 | 400.0 | 38.90 | 38.75 | 0.380 |
| 29 | 500.0 | 36.90 | 36.91 | -0.0488 |
| 30 | 630.0 | 35.50 | 34.73 | 2.14 |
| 31 | 630.0 | 39.00 | 38.16 | 2.14 |
| 32 | 800.0 | 36.40 | 35.87 | 1.44 |
| 33 | 1000.0 | 34.30 | 34.19 | 0.299 |



for: ITGE
 by: I.T.G.E.
 Data Set: REG77 Date: 21-2-90
 Equipment: SYSCALR2E Sounding: 77

RESISTIVIDAD
 REGUENA
 VALENCIA
 Azimuth: E-80 -S

DATA SET: REQ78

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 735.00
 SOUNDING COORDINATES: X: 657450.0000 Y: 4378150.0000

DATE: 17-2-90
 SOUNDING: 78
 AZIMUTH: E-30 -S
 EQUIPMENT: SYSCALR2E

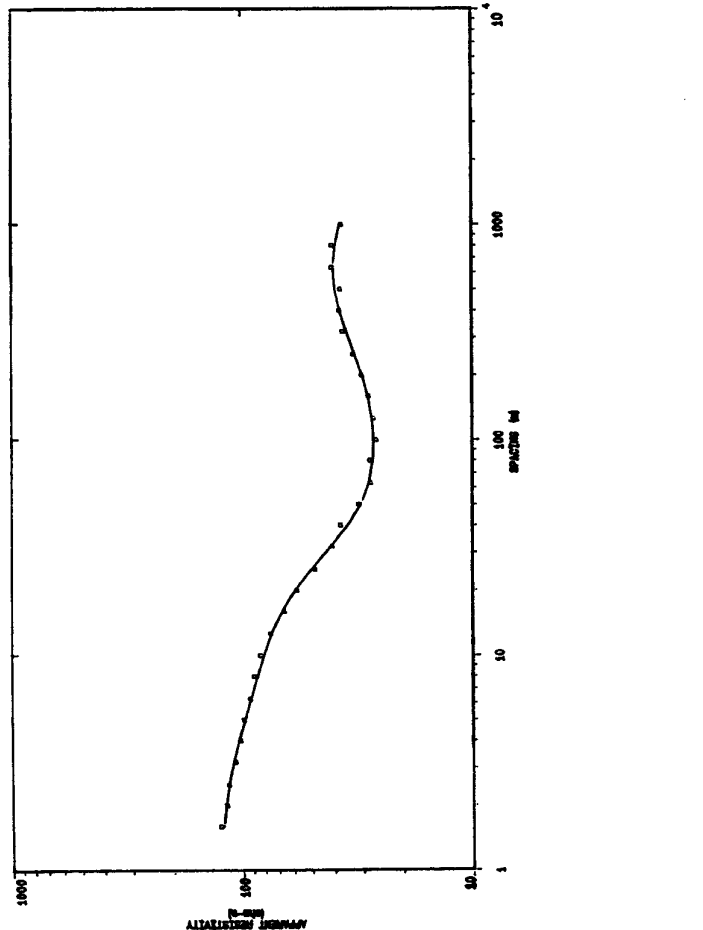
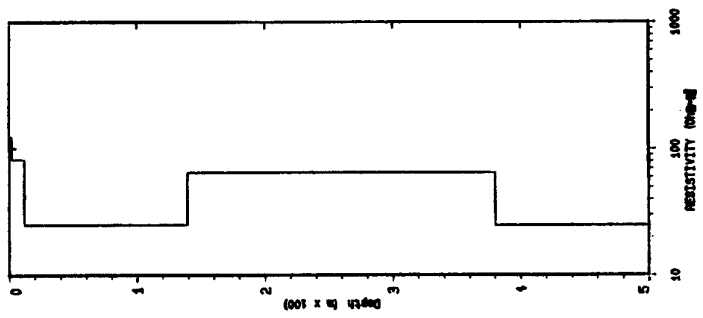
Schlumberger Configuration

FITTING ERROR: 2.607 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 735.0 | |
| 1 | 125.0 | | 1.80 | 733.2 | 0.0144 |
| 2 | 82.00 | | 9.70 | 723.5 | 0.118 |
| 3 | 25.00 | | 127.5 | 596.0 | 5.10 |
| 4 | 65.00 | | 241.0 | 355.0 | 3.70 |
| 5 | 25.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 1.60 | 102.2 | 98.85 | 3.27 |
| 2 | 2.00 | 96.00 | 96.89 | -0.929 |
| 3 | 2.50 | 94.00 | 93.97 | 0.0318 |
| 4 | 3.20 | 87.90 | 89.57 | -1.90 |
| 5 | 4.00 | 83.70 | 84.81 | -1.33 |
| 6 | 5.00 | 80.80 | 79.83 | 1.19 |
| 7 | 6.30 | 75.70 | 74.90 | 1.05 |
| 8 | 8.00 | 72.70 | 70.22 | 3.41 |
| 9 | 10.00 | 68.30 | 65.95 | 3.43 |
| 10 | 12.60 | 61.70 | 61.06 | 1.02 |
| 11 | 12.60 | 66.20 | 65.52 | 1.02 |
| 12 | 16.00 | 57.80 | 58.96 | -2.00 |
| 13 | 20.00 | 50.90 | 51.67 | -1.51 |
| 14 | 25.00 | 42.40 | 43.86 | -3.44 |
| 15 | 32.00 | 35.50 | 35.89 | -1.11 |
| 16 | 40.00 | 32.70 | 30.33 | 7.22 |
| 17 | 50.00 | 27.30 | 26.68 | 2.26 |
| 18 | 50.00 | 32.80 | 32.05 | 2.26 |
| 19 | 63.00 | 29.10 | 29.55 | -1.55 |
| 20 | 80.00 | 29.30 | 28.42 | 2.97 |
| 21 | 100.0 | 27.50 | 28.22 | -2.64 |
| 22 | 126.0 | 28.20 | 28.67 | -1.69 |
| 23 | 160.0 | 29.70 | 29.85 | -0.531 |
| 24 | 200.0 | 31.80 | 31.65 | 0.454 |
| 25 | 200.0 | 29.90 | 29.76 | 0.454 |
| 26 | 250.0 | 32.60 | 32.01 | 1.80 |
| 27 | 320.0 | 36.10 | 34.83 | 3.51 |
| 28 | 400.0 | 37.30 | 37.21 | 0.223 |
| 29 | 500.0 | 36.90 | 38.94 | -5.54 |
| 30 | 630.0 | 40.20 | 39.60 | 1.47 |
| 31 | 630.0 | 40.80 | 40.19 | 1.47 |
| 32 | 800.0 | 40.90 | 39.44 | 3.55 |
| 33 | 1000.0 | 37.00 | 37.54 | -1.46 |



| | | | |
|----------------------|---------------|------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA | |
| Data Set: REQ78 | | VALENCIA | |
| Equipment: SYSCALR2E | Date: 17-2-90 | Azimuth: E-30 -S | |
| Sounding: 78 | | | |

DATA SET: REQ79

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 720.00
 SOUNDING COORDINATES: X: 657350.0000 Y: 4375800.0000

DATE: 23-11-89
 SOUNDING: 79
 AZIMUTH: S-40-E
 EQUIPMENT: SYSCALR2E

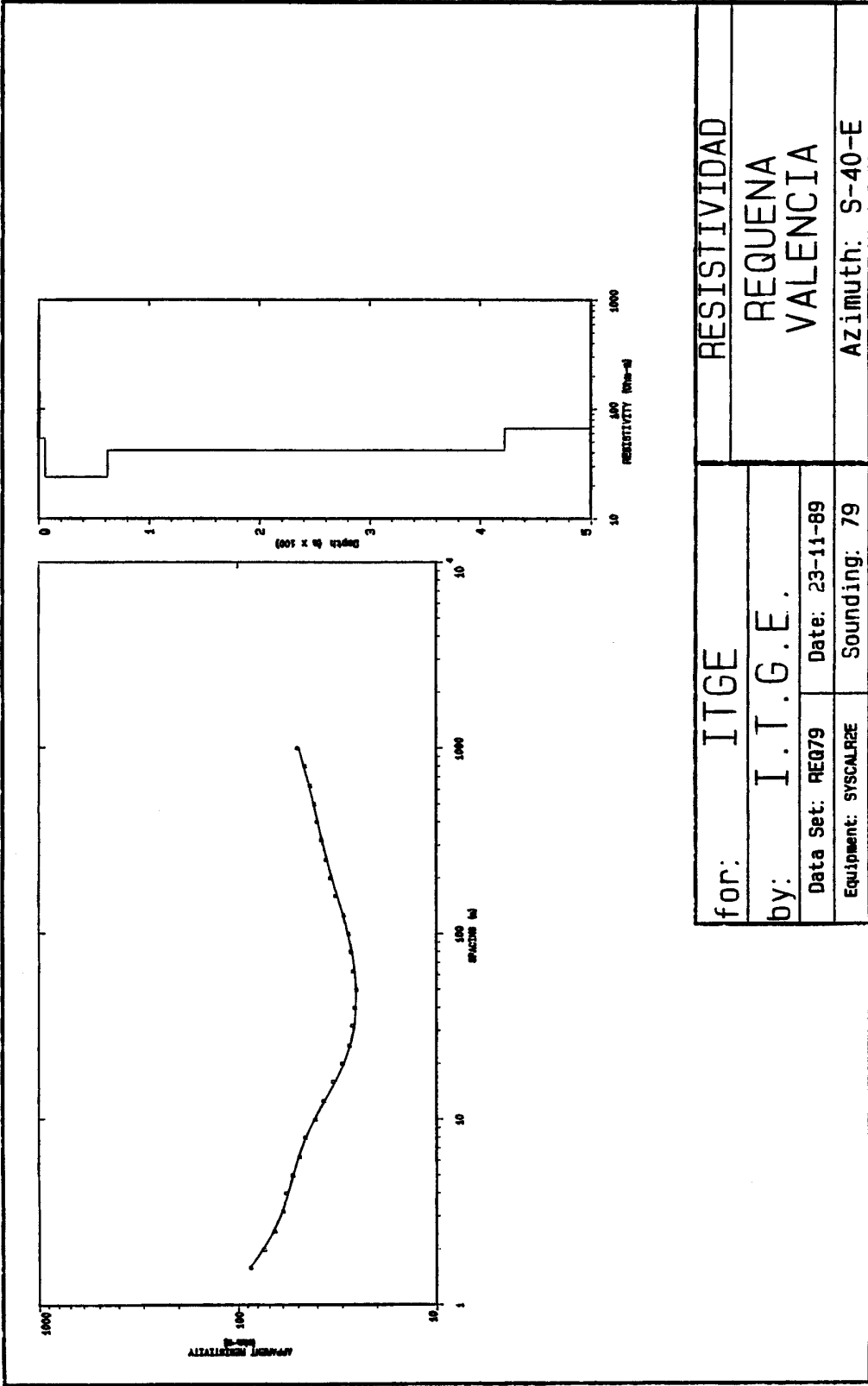
Schlumberger Configuration

FITTING ERROR: 1.390 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 720.0 | |
| 1 | 150.0 | | 0.600 | 719.4 | 0.00400 |
| 2 | 54.00 | | 4.80 | 714.6 | 0.0888 |
| 3 | 24.00 | | 56.60 | 658.0 | 2.35 |
| 4 | 42.00 | | 360.0 | 298.0 | 8.57 |
| 5 | 67.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 119.6 | 120.9 | -1.12 |
| 2 | 2.00 | 102.3 | 104.3 | -2.00 |
| 3 | 2.50 | 90.70 | 91.98 | -1.42 |
| 4 | 3.20 | 82.40 | 83.02 | -0.752 |
| 5 | 4.00 | 79.60 | 77.69 | 2.38 |
| 6 | 5.00 | 73.70 | 73.41 | 0.382 |
| 7 | 6.30 | 68.00 | 68.84 | -1.24 |
| 8 | 8.00 | 63.60 | 63.26 | 0.529 |
| 9 | 10.00 | 56.40 | 57.24 | -1.50 |
| 10 | 12.60 | 51.30 | 50.80 | 0.972 |
| 11 | 12.60 | 38.50 | 38.12 | 0.972 |
| 12 | 16.00 | 34.50 | 33.66 | 2.42 |
| 13 | 20.00 | 31.10 | 30.47 | 1.99 |
| 14 | 25.00 | 28.60 | 28.36 | 0.833 |
| 15 | 32.00 | 27.60 | 27.05 | 1.97 |
| 16 | 40.00 | 26.90 | 26.54 | 1.32 |
| 17 | 50.00 | 26.40 | 26.49 | -0.378 |
| 18 | 50.00 | 26.50 | 26.60 | -0.378 |
| 19 | 63.00 | 27.50 | 26.99 | 1.83 |
| 20 | 80.00 | 28.20 | 27.89 | 1.06 |
| 21 | 100.0 | 28.90 | 29.21 | -1.10 |
| 22 | 126.0 | 30.70 | 31.00 | -1.00 |
| 23 | 160.0 | 33.80 | 33.15 | 1.92 |
| 24 | 200.0 | 35.80 | 35.24 | 1.54 |
| 25 | 200.0 | 33.70 | 33.17 | 1.54 |
| 26 | 250.0 | 35.50 | 35.12 | 1.06 |
| 27 | 320.0 | 37.40 | 37.18 | 0.567 |
| 28 | 400.0 | 39.30 | 39.03 | 0.684 |
| 29 | 500.0 | 40.60 | 40.96 | -0.895 |
| 30 | 630.0 | 42.70 | 43.20 | -1.17 |
| 31 | 630.0 | 43.40 | 43.90 | -1.17 |
| 32 | 800.0 | 46.00 | 46.61 | -1.33 |
| 33 | 1000.0 | 50.40 | 49.43 | 1.90 |



RESISTIVIDAD

REQUENA
VALENCIA

for: ITGE

by: I.T.G.E.

Data Set: REQ79 Date: 23-11-89

Equipment: SYSCALR2E Sounding: 79

Azimuth: S-40-E

DATA SET: REQ80

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 580.00
 SOUNDING COORDINATES: X: 657200.0000 Y: 4365200.0000

DATE: 19-10-89
 SOUNDING: 80
 AZIMUTH: E-7 -S
 EQUIPMENT: SYSCALR2E

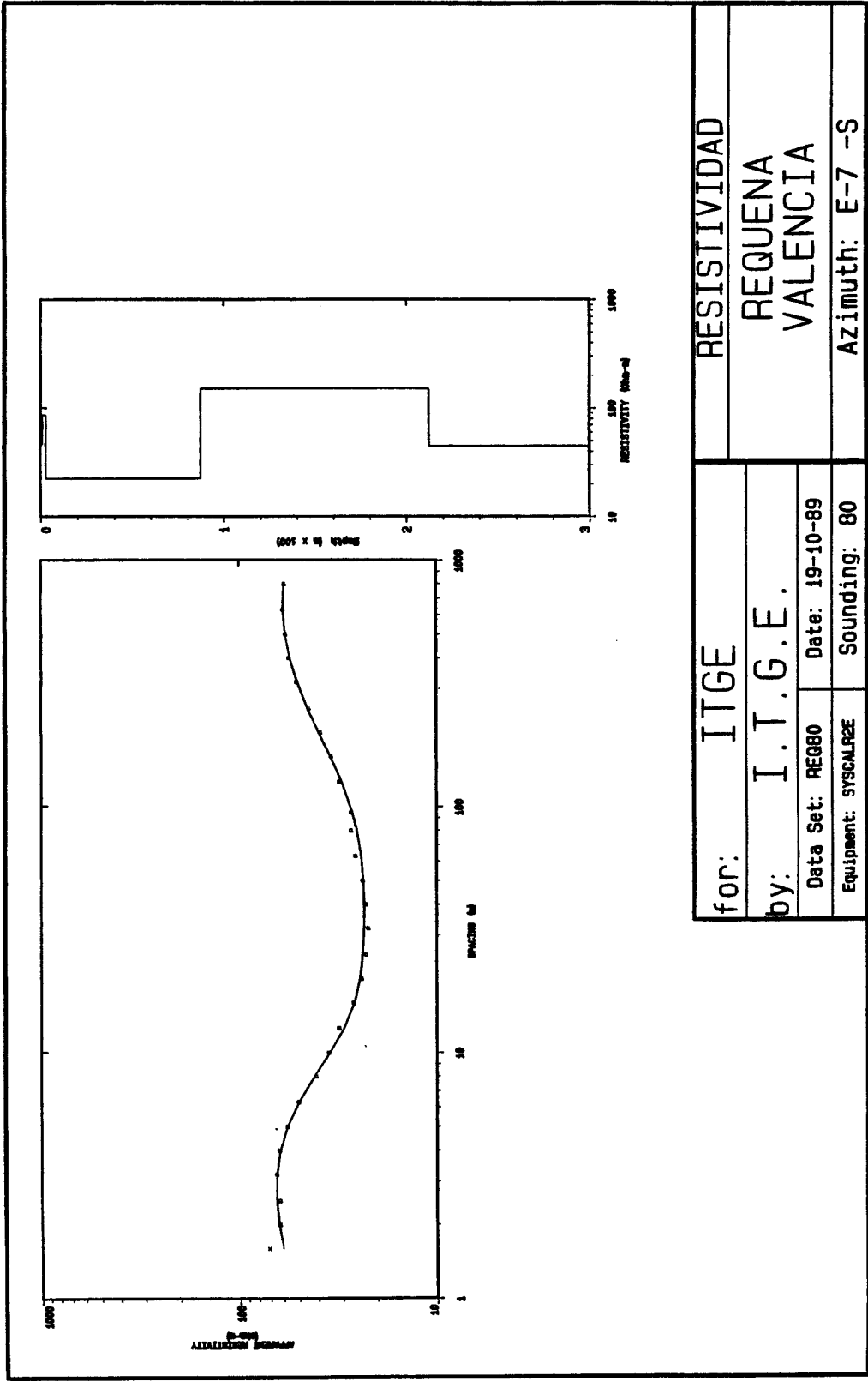
Schlumberger Configuration

FITTING ERROR: 3.010 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 580.0 | |
| 1 | 46.00 | | 0.600 | 579.4 | 0.0130 |
| 2 | 87.00 | | 2.10 | 577.3 | 0.0241 |
| 3 | 22.50 | | 84.30 | 493.0 | 3.74 |
| 4 | 152.0 | | 125.0 | 368.0 | 0.822 |
| 5 | 45.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 68.40 | 58.08 | 15.08 |
| 2 | 2.00 | 60.40 | 60.95 | -0.917 |
| 3 | 2.50 | 60.40 | 62.72 | -3.84 |
| 4 | 3.20 | 62.70 | 62.60 | 0.147 |
| 5 | 4.00 | 60.60 | 60.09 | 0.833 |
| 6 | 5.00 | 55.20 | 55.17 | 0.0443 |
| 7 | 6.30 | 48.40 | 48.12 | 0.575 |
| 8 | 8.00 | 39.30 | 40.11 | -2.06 |
| 9 | 10.00 | 33.90 | 33.43 | 1.37 |
| 10 | 12.60 | 30.10 | 28.32 | 5.91 |
| 11 | 12.60 | 28.80 | 27.09 | 5.91 |
| 12 | 16.00 | 24.30 | 24.01 | 1.15 |
| 13 | 20.00 | 22.10 | 22.50 | -1.82 |
| 14 | 25.00 | 20.90 | 21.76 | -4.11 |
| 15 | 32.00 | 20.40 | 21.41 | -4.96 |
| 16 | 40.00 | 20.90 | 21.37 | -2.25 |
| 17 | 50.00 | 21.80 | 21.58 | 1.00 |
| 18 | 50.00 | 22.70 | 22.47 | 1.00 |
| 19 | 63.00 | 24.70 | 23.05 | 6.64 |
| 20 | 80.00 | 26.00 | 24.22 | 6.81 |
| 21 | 95.00 | 25.90 | 25.56 | 1.28 |
| 22 | 126.0 | 29.80 | 28.96 | 2.80 |
| 23 | 160.0 | 32.80 | 33.11 | -0.946 |
| 24 | 200.0 | 37.00 | 37.86 | -2.34 |
| 25 | 200.0 | 37.50 | 38.37 | -2.34 |
| 26 | 250.0 | 42.90 | 43.64 | -1.74 |
| 27 | 320.0 | 49.60 | 49.34 | 0.522 |
| 28 | 400.0 | 54.50 | 53.72 | 1.43 |
| 29 | 500.0 | 56.60 | 56.82 | -0.391 |
| 30 | 630.0 | 58.40 | 58.29 | 0.175 |
| 31 | 630.0 | 60.40 | 60.29 | 0.175 |
| 32 | 800.0 | 59.30 | 59.86 | -0.954 |



| | | | |
|----------------------|----------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: REQ80 | Date: 19-10-89 | Azimuth: E-7 -S | |
| Equipment: SYSCALR2E | Sounding: 80 | | |

DATA SET: REQ81

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 750.00
 SOUNDING COORDINATES: X: 658725.0000 Y: 4378800.0000

DATE: 24-11-89
 SOUNDING: 81
 AZIMUTH: S-40-E
 EQUIPMENT: SYSCALR2E

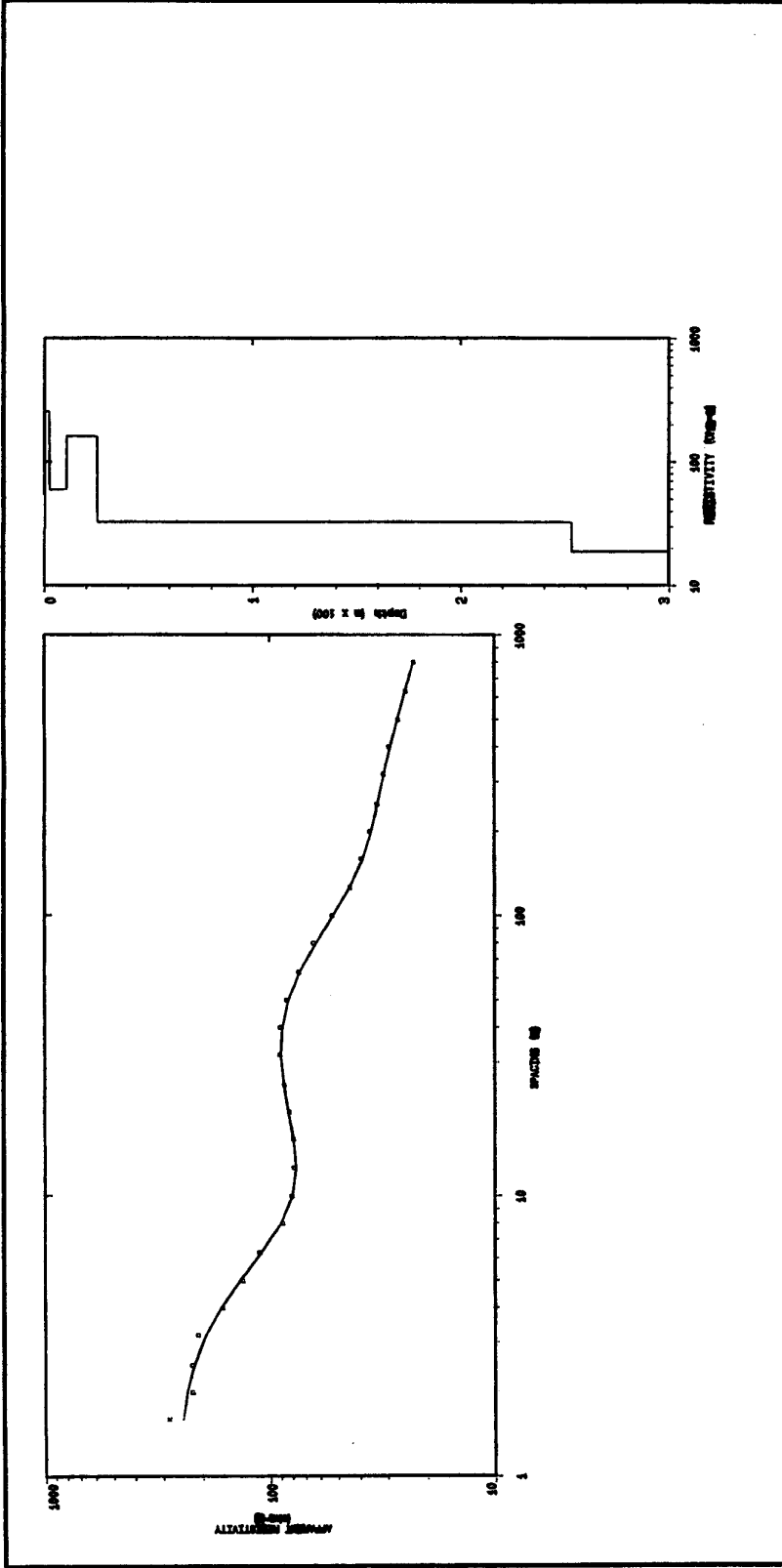
Schlumberger Configuration

FITTING ERROR: 2.294 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 750.0 | |
| 1 | 258.0 | | 2.10 | 747.9 | 0.00814 |
| 2 | 60.00 | | 8.30 | 739.6 | 0.138 |
| 3 | 163.0 | | 14.60 | 725.0 | 0.0895 |
| 4 | 33.00 | | 228.0 | 497.0 | 6.90 |
| 5 | 19.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 1.60 | 349.2 | 303.1 | 13.20 |
| 2 | 2.00 | 276.6 | 290.7 | -5.11 |
| 3 | 2.50 | 277.2 | 271.4 | 2.07 |
| 4 | 3.20 | 261.2 | 240.8 | 7.80 |
| 5 | 4.00 | 202.5 | 206.1 | -1.78 |
| 6 | 5.00 | 164.8 | 169.2 | -2.72 |
| 7 | 6.30 | 138.3 | 135.5 | 2.07 |
| 8 | 8.00 | 109.3 | 110.8 | -1.44 |
| 9 | 10.00 | 99.30 | 98.67 | 0.630 |
| 10 | 12.60 | 97.20 | 95.11 | 2.14 |
| 11 | 12.60 | 87.70 | 85.82 | 2.14 |
| 12 | 16.00 | 88.20 | 88.15 | 0.0506 |
| 13 | 20.00 | 91.70 | 92.77 | -1.16 |
| 14 | 25.00 | 96.70 | 97.41 | -0.735 |
| 15 | 32.00 | 101.2 | 100.1 | 1.08 |
| 16 | 40.00 | 100.8 | 98.58 | 2.19 |
| 17 | 50.00 | 94.30 | 92.61 | 1.79 |
| 18 | 50.00 | 94.30 | 92.61 | 1.79 |
| 19 | 63.00 | 83.20 | 82.38 | 0.976 |
| 20 | 80.00 | 71.70 | 69.67 | 2.82 |
| 21 | 100.0 | 59.20 | 58.36 | 1.41 |
| 22 | 126.0 | 49.10 | 49.17 | -0.151 |
| 23 | 160.0 | 43.70 | 42.92 | 1.76 |
| 24 | 200.0 | 40.10 | 39.38 | 1.77 |
| 25 | 200.0 | 36.30 | 35.65 | 1.77 |
| 26 | 250.0 | 33.60 | 33.50 | 0.286 |
| 27 | 320.0 | 31.60 | 31.45 | 0.465 |
| 28 | 400.0 | 29.80 | 29.49 | 1.03 |
| 29 | 500.0 | 27.20 | 27.37 | -0.656 |
| 30 | 630.0 | 25.10 | 25.20 | -0.413 |
| 31 | 630.0 | 24.80 | 24.90 | -0.413 |
| 32 | 800.0 | 22.90 | 22.96 | -0.264 |



| | | | |
|----------------------|----------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: RE081 | Date: 24-11-89 | Azimuth: S-40-E | |
| Equipment: SYSCALR2E | Sounding: 81 | | |

DATA SET: REQ82

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 700.00
 SOUNDING COORDINATES: X: 658100.0000 Y: 4374025.0000

DATE: 8-11-89
 SOUNDING: 82
 AZIMUTH: S-35-E
 EQUIPMENT: SYSCALR2E

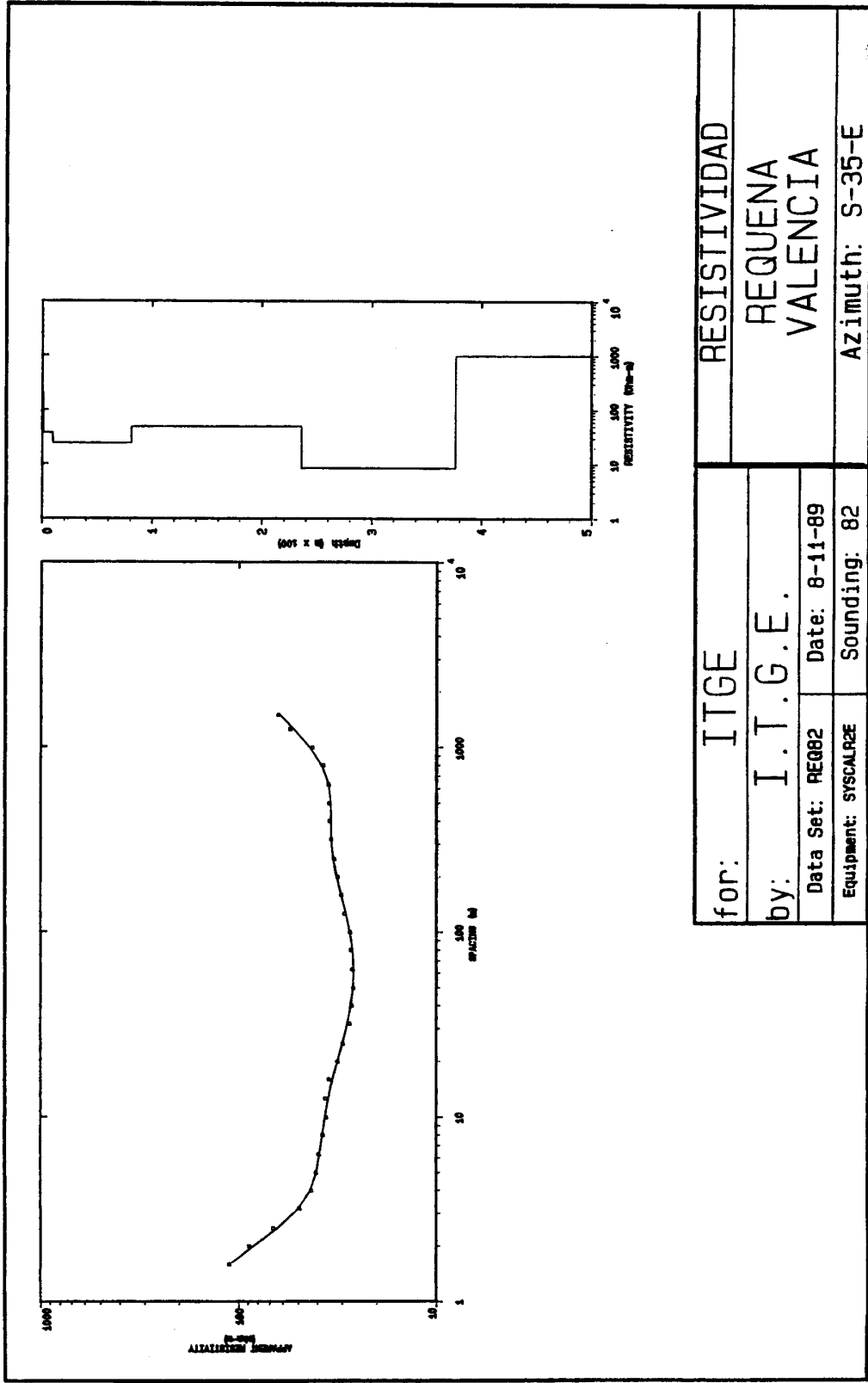
Schlumberger Configuration

FITTING ERROR: 2.099 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 700.0 | |
| 1 | 227.0 | | 0.700 | 699.2 | 0.00308 |
| 2 | 38.00 | | 8.80 | 690.5 | 0.231 |
| 3 | 24.50 | | 71.50 | 619.0 | 2.91 |
| 4 | 50.00 | | 155.0 | 464.0 | 3.10 |
| 5 | 8.50 | | 140.0 | 324.0 | 16.47 |
| 6 | 1000.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 1.60 | 165.2 | 164.5 | 0.378 |
| 2 | 2.00 | 130.2 | 124.6 | 4.28 |
| 3 | 2.50 | 98.80 | 94.15 | 4.69 |
| 4 | 3.20 | 73.00 | 73.57 | -0.793 |
| 5 | 4.00 | 63.40 | 64.28 | -1.39 |
| 6 | 5.00 | 60.00 | 59.92 | 0.128 |
| 7 | 6.30 | 58.20 | 57.58 | 1.05 |
| 8 | 8.00 | 55.50 | 55.84 | -0.624 |
| 9 | 10.00 | 53.30 | 54.20 | -1.70 |
| 10 | 12.60 | 53.90 | 52.17 | 3.20 |
| 11 | 12.60 | 44.90 | 43.46 | 3.20 |
| 12 | 16.00 | 43.00 | 41.30 | 3.93 |
| 13 | 20.00 | 38.90 | 39.03 | -0.343 |
| 14 | 25.00 | 36.60 | 36.78 | -0.509 |
| 15 | 32.00 | 33.80 | 34.68 | -2.60 |
| 16 | 40.00 | 33.00 | 33.32 | -0.977 |
| 17 | 50.00 | 32.50 | 32.53 | -0.117 |
| 18 | 50.00 | 28.60 | 28.63 | -0.117 |
| 19 | 63.00 | 28.90 | 28.43 | 1.59 |
| 20 | 80.00 | 29.40 | 28.79 | 2.05 |
| 21 | 100.0 | 29.60 | 29.66 | -0.229 |
| 22 | 126.0 | 31.60 | 31.09 | 1.59 |
| 23 | 160.0 | 32.80 | 32.96 | -0.502 |
| 24 | 200.0 | 34.20 | 34.75 | -1.61 |
| 25 | 200.0 | 32.60 | 33.12 | -1.61 |
| 26 | 250.0 | 34.10 | 34.50 | -1.19 |
| 27 | 320.0 | 35.30 | 35.32 | -0.0713 |
| 28 | 400.0 | 36.00 | 35.42 | 1.59 |
| 29 | 500.0 | 36.10 | 35.40 | 1.92 |
| 30 | 630.0 | 36.30 | 36.28 | 0.0507 |
| 31 | 630.0 | 35.20 | 35.18 | 0.0507 |
| 32 | 800.0 | 37.50 | 38.27 | -2.07 |
| 33 | 1000.0 | 42.60 | 44.06 | -3.43 |
| 34 | 1260.0 | 55.40 | 53.29 | 3.80 |



| | | |
|------------|-----------|---------------------|
| for: | ITGE | RESISTIVIDAD |
| by: | I.T.G.E. | REQUENA VALENCIA |
| Data Set: | REQ82 | Date: 8-11-89 |
| Equipment: | SYSCALR2E | Sounding: 82 |
| | | Azimuth: S-35-E |

DATA SET: REQ83

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 670.00
 SOUNDING COORDINATES: X: 658100.0000 Y: 4371300.0000

DATE: 9-11-89
 SOUNDING: 83
 AZIMUTH: S-35-E
 EQUIPMENT: SYSCALR2E

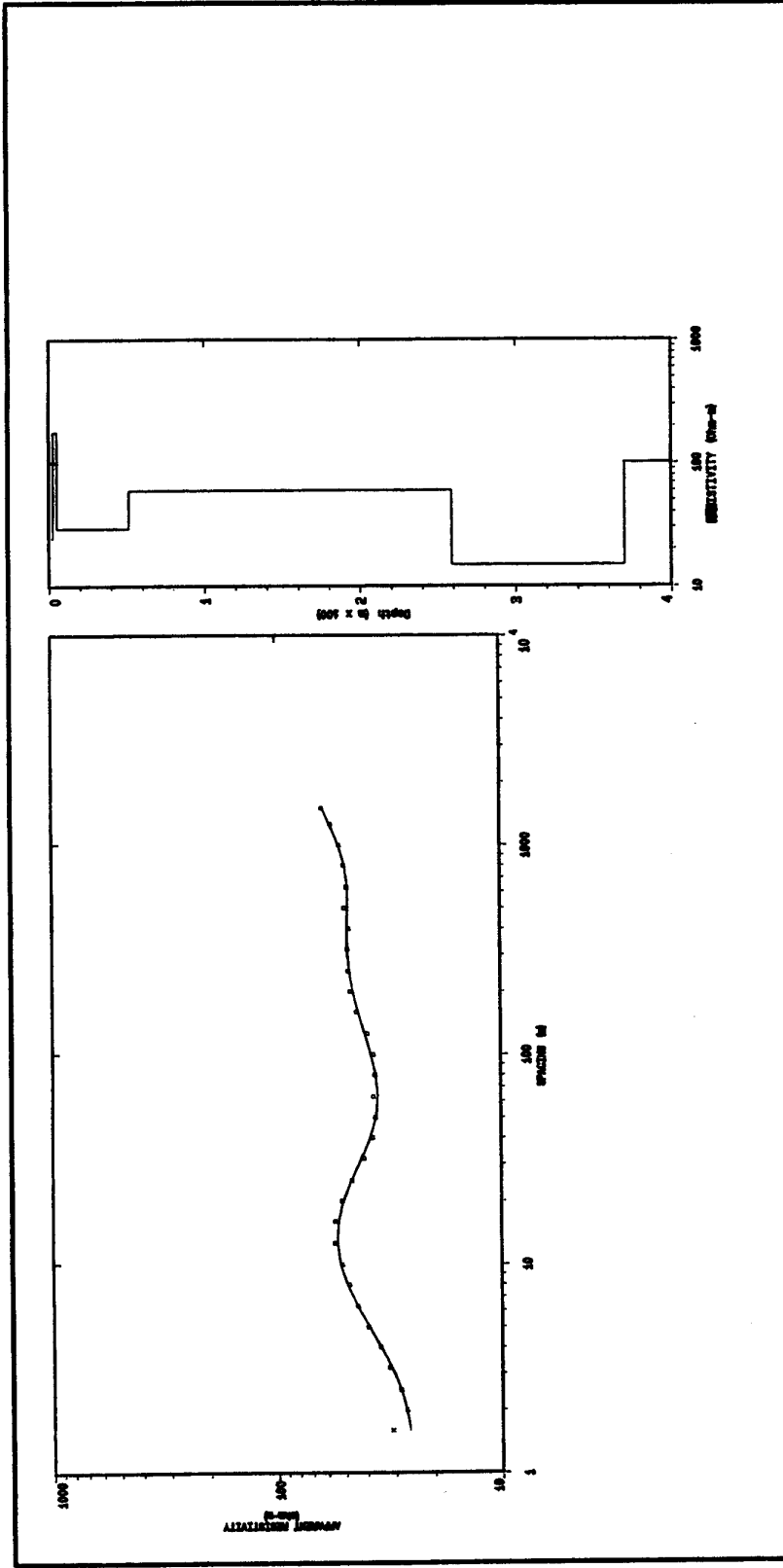
Schlumberger Configuration

FITTING ERROR: 1.968 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 670.0 | |
| 1 | 24.60 | | 2.40 | 667.5 | 0.0975 |
| 2 | 179.0 | | 2.60 | 665.0 | 0.0145 |
| 3 | 29.50 | | 46.30 | 618.7 | 1.56 |
| 4 | 60.00 | | 207.7 | 411.0 | 3.46 |
| 5 | 15.00 | | 111.0 | 300.0 | 7.40 |
| 6 | 101.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 35.80 | 29.90 | 16.45 |
| 2 | 2.00 | 30.90 | 31.04 | -0.453 |
| 3 | 2.50 | 32.90 | 32.90 | -0.0204 |
| 4 | 3.20 | 37.00 | 36.16 | 2.26 |
| 5 | 4.00 | 40.50 | 40.34 | 0.387 |
| 6 | 5.00 | 46.00 | 45.54 | 0.999 |
| 7 | 6.30 | 51.10 | 51.41 | -0.624 |
| 8 | 8.00 | 55.80 | 57.08 | -2.29 |
| 9 | 10.00 | 60.00 | 61.05 | -1.75 |
| 10 | 12.60 | 64.70 | 63.00 | 2.61 |
| 11 | 12.60 | 53.50 | 52.10 | 2.61 |
| 12 | 16.00 | 53.20 | 51.46 | 3.25 |
| 13 | 20.00 | 49.40 | 48.86 | 1.08 |
| 14 | 25.00 | 44.50 | 44.93 | -0.968 |
| 15 | 32.00 | 39.30 | 40.21 | -2.33 |
| 16 | 40.00 | 35.80 | 36.69 | -2.48 |
| 17 | 50.00 | 34.70 | 34.49 | 0.577 |
| 18 | 50.00 | 35.00 | 34.79 | 0.577 |
| 19 | 63.00 | 35.70 | 34.09 | 4.49 |
| 20 | 80.00 | 35.10 | 34.87 | 0.645 |
| 21 | 100.0 | 35.60 | 36.64 | -2.94 |
| 22 | 126.0 | 38.00 | 39.12 | -2.95 |
| 23 | 160.0 | 42.50 | 41.85 | 1.50 |
| 24 | 200.0 | 45.30 | 44.14 | 2.55 |
| 25 | 200.0 | 46.90 | 45.69 | 2.55 |
| 26 | 250.0 | 47.80 | 47.45 | 0.729 |
| 27 | 320.0 | 48.20 | 48.43 | -0.490 |
| 28 | 400.0 | 47.50 | 48.48 | -2.06 |
| 29 | 500.0 | 49.80 | 48.11 | 3.38 |
| 30 | 630.0 | 48.50 | 48.13 | 0.748 |
| 31 | 630.0 | 48.50 | 48.13 | 0.748 |
| 32 | 800.0 | 50.00 | 49.60 | 0.799 |
| 33 | 1000.0 | 52.40 | 52.79 | -0.747 |
| 34 | 1260.0 | 57.20 | 57.74 | -0.957 |
| | | | | 0.665 |



| | | | |
|----------------------|---------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: REQ03 | Date: 9-11-89 | Azimuth: S-35-E | |
| Equipment: SYSCALR2E | Sounding: 83 | | |

DATA SET: REQ84

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 575.00
 SOUNDING COORDINATES: X: 432500.0000 Y: 4128500.0000

DATE: 3-11-89
 SOUNDING: 84
 AZIMUTH: E-25-S
 EQUIPMENT: SYSCALR2E

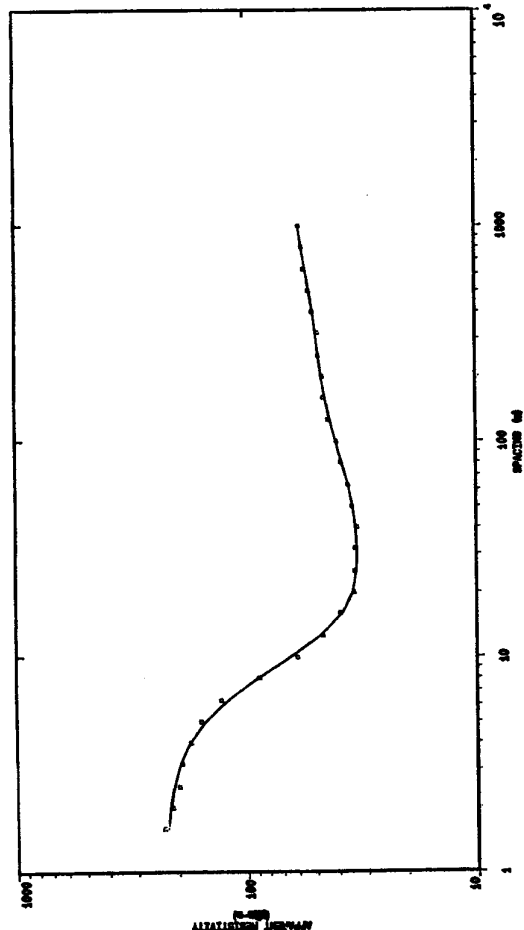
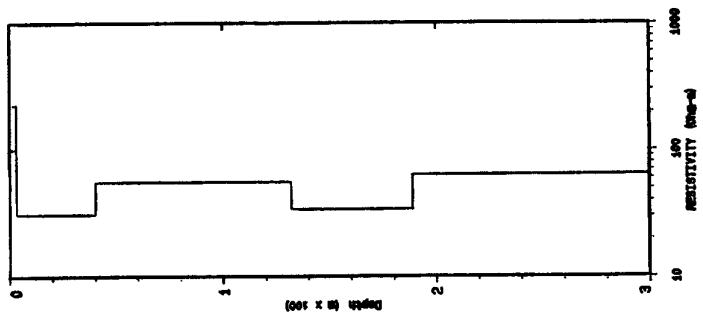
Schlumberger Configuration

FITTING ERROR: 2.515 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 575.0 | |
| 1 | 227.0 | | 3.10 | 571.9 | 0.0136 |
| 2 | 31.00 | | 36.90 | 535.0 | 1.19 |
| 3 | 56.00 | | 92.00 | 443.0 | 1.64 |
| 4 | 34.00 | | 57.00 | 386.0 | 1.67 |
| 5 | 64.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 261.2 | 251.4 | 3.75 |
| 2 | 2.00 | 241.2 | 246.7 | -2.30 |
| 3 | 2.50 | 225.3 | 238.4 | -5.84 |
| 4 | 3.20 | 218.8 | 223.0 | -1.91 |
| 5 | 4.00 | 200.1 | 201.7 | -0.835 |
| 6 | 5.00 | 180.3 | 172.9 | 4.07 |
| 7 | 6.30 | 147.0 | 137.5 | 6.40 |
| 8 | 8.00 | 100.4 | 101.0 | -0.686 |
| 9 | 10.00 | 68.50 | 73.13 | -6.77 |
| 10 | 12.60 | 52.90 | 53.84 | -1.78 |
| 11 | 12.60 | 45.60 | 46.41 | -1.78 |
| 12 | 16.00 | 38.20 | 37.40 | 2.08 |
| 13 | 20.00 | 33.30 | 33.82 | -1.57 |
| 14 | 25.00 | 33.10 | 32.52 | 1.73 |
| 15 | 32.00 | 32.90 | 32.26 | 1.93 |
| 16 | 40.00 | 32.20 | 32.68 | -1.50 |
| 17 | 50.00 | 33.90 | 33.68 | 0.632 |
| 18 | 50.00 | 36.40 | 36.16 | 0.632 |
| 19 | 63.00 | 37.80 | 37.92 | -0.317 |
| 20 | 80.00 | 40.50 | 40.27 | 0.563 |
| 21 | 100.0 | 42.40 | 42.72 | -0.770 |
| 22 | 126.0 | 45.80 | 45.22 | 1.25 |
| 23 | 160.0 | 48.20 | 47.48 | 1.48 |
| 24 | 200.0 | 48.50 | 49.17 | -1.38 |
| 25 | 200.0 | 46.20 | 46.83 | -1.38 |
| 26 | 250.0 | 48.20 | 48.13 | 0.141 |
| 27 | 320.0 | 48.40 | 49.47 | -2.21 |
| 28 | 400.0 | 51.00 | 50.88 | 0.232 |
| 29 | 500.0 | 53.00 | 52.59 | 0.764 |
| 30 | 630.0 | 55.50 | 54.59 | 1.62 |
| 31 | 630.0 | 55.60 | 54.69 | 1.62 |
| 32 | 800.0 | 56.70 | 56.78 | -0.143 |
| 33 | 1000.0 | 58.30 | 58.53 | -0.409 |



| | | | |
|-----------------|----------------------|-----------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA | |
| Data Set: REG84 | | VALENCIA | |
| Date: 3-11-89 | Equipment: SYSCALR2E | Azimuth: E-25-S | |
| Sounding: 84 | | | |

DATA SET: REQ85

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 0.00
 SOUNDING COORDINATES: X:

DATE: 24-11-89
 SOUNDING: 85
 AZIMUTH: E-35-S
 EQUIPMENT: SYSCALR2E

0.0000 Y: 0.0000

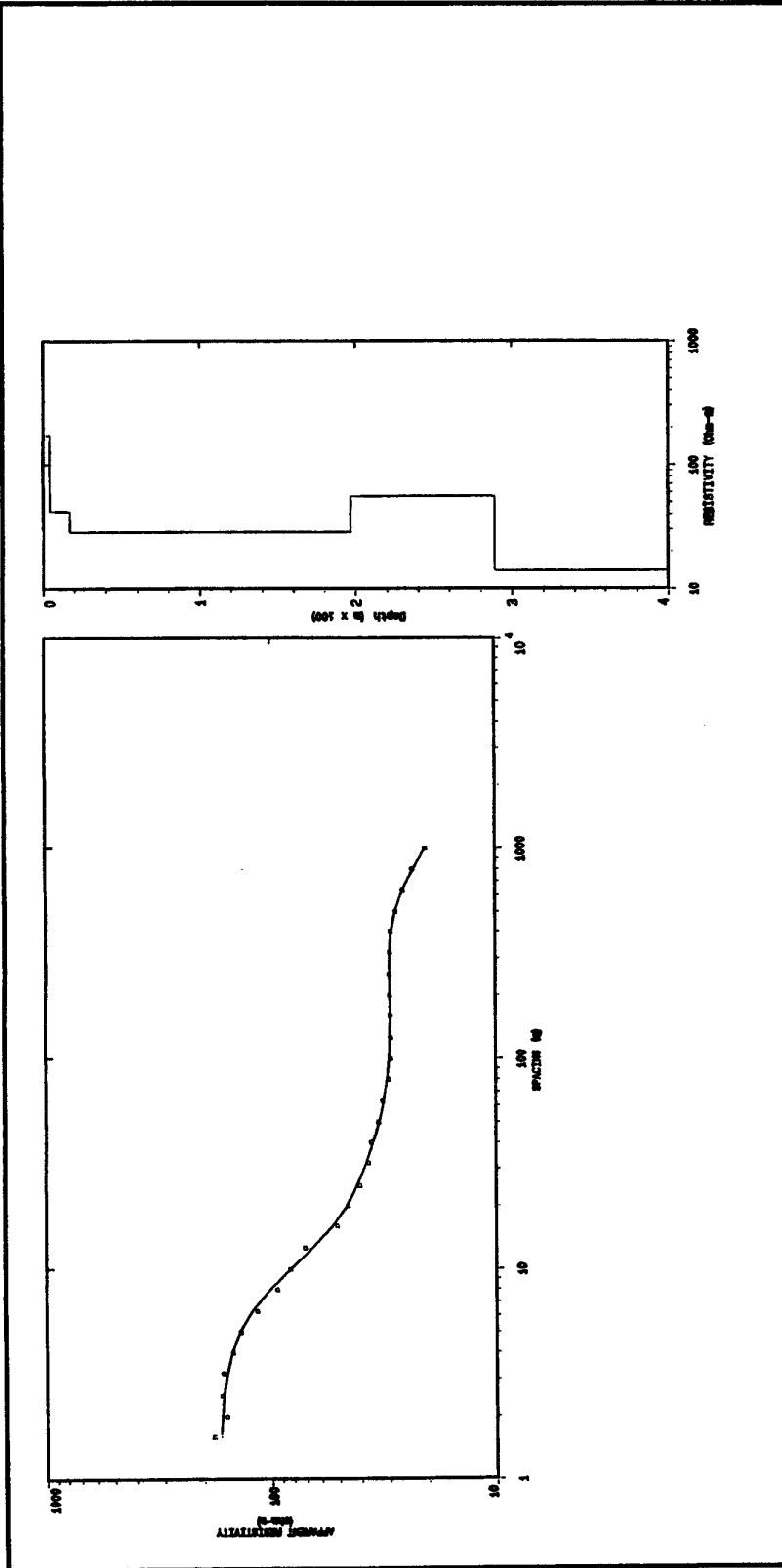
Schlumberger Configuration

FITTING ERROR: 3.347 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 0.0 | |
| 1 | 170.9 | | 3.77 | -3.77 | 0.0220 |
| 2 | 42.08 | | 13.16 | -16.94 | 0.312 |
| 3 | 28.61 | | 179.8 | -196.7 | 6.28 |
| 4 | 55.84 | | 92.01 | -288.7 | 1.64 |
| 5 | 14.07 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 245.5 | 228.3 | 6.99 |
| 2 | 2.00 | 215.2 | 226.3 | -5.17 |
| 3 | 2.50 | 225.8 | 222.6 | 1.44 |
| 4 | 3.20 | 223.3 | 215.3 | 3.61 |
| 5 | 4.00 | 201.5 | 204.3 | -1.41 |
| 6 | 5.00 | 185.8 | 187.9 | -1.12 |
| 7 | 6.30 | 156.6 | 165.1 | -5.45 |
| 8 | 8.00 | 127.3 | 137.2 | -7.82 |
| 9 | 10.00 | 111.6 | 111.2 | 0.330 |
| 10 | 12.60 | 95.90 | 88.55 | 7.65 |
| 11 | 12.60 | 76.70 | 70.82 | 7.65 |
| 12 | 16.00 | 55.10 | 57.57 | -4.49 |
| 13 | 20.00 | 49.20 | 49.75 | -1.12 |
| 14 | 25.00 | 43.60 | 44.72 | -2.58 |
| 15 | 32.00 | 39.80 | 40.76 | -2.42 |
| 16 | 40.00 | 38.80 | 37.93 | 2.23 |
| 17 | 50.00 | 36.00 | 35.68 | 0.862 |
| 18 | 50.00 | 35.10 | 34.79 | 0.862 |
| 19 | 63.00 | 33.60 | 33.14 | 1.34 |
| 20 | 80.00 | 31.60 | 32.02 | -1.34 |
| 21 | 100.0 | 30.90 | 31.39 | -1.60 |
| 22 | 126.0 | 30.90 | 31.06 | -0.519 |
| 23 | 160.0 | 31.00 | 30.96 | 0.108 |
| 24 | 200.0 | 31.10 | 31.03 | 0.193 |
| 25 | 200.0 | 29.10 | 29.04 | 0.193 |
| 26 | 250.0 | 29.20 | 29.16 | 0.113 |
| 27 | 320.0 | 29.00 | 29.15 | -0.535 |
| 28 | 400.0 | 28.90 | 28.70 | 0.661 |
| 29 | 500.0 | 27.40 | 27.55 | -0.577 |
| 30 | 630.0 | 25.40 | 25.53 | -0.514 |
| 31 | 630.0 | 25.80 | 25.93 | -0.514 |
| 32 | 800.0 | 23.40 | 23.16 | 0.992 |
| 33 | 1000.0 | 20.40 | 20.50 | -0.500 |



| | | | |
|----------------------|----------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: RE085 | Date: 24-11-89 | Azimuth: E-35-S | |
| Equipment: SYSCALP2E | Sounding: 85 | | |

DATA SET: REQ86

| | |
|---------------------------------|----------------------|
| CLIENT: ITGE | DATE: 10-11-89 |
| LOCATION: REQUENA | SOUNDING: 86 |
| COUNTY: VALENCIA | AZIMUTH: S-35-E |
| PROJECT: RESISTIVIDAD | EQUIPMENT: SYSCALR2E |
| ELEVATION: 0.00 | |
| SOUNDING COORDINATES: X: 0.0000 | Y: 0.0000 |

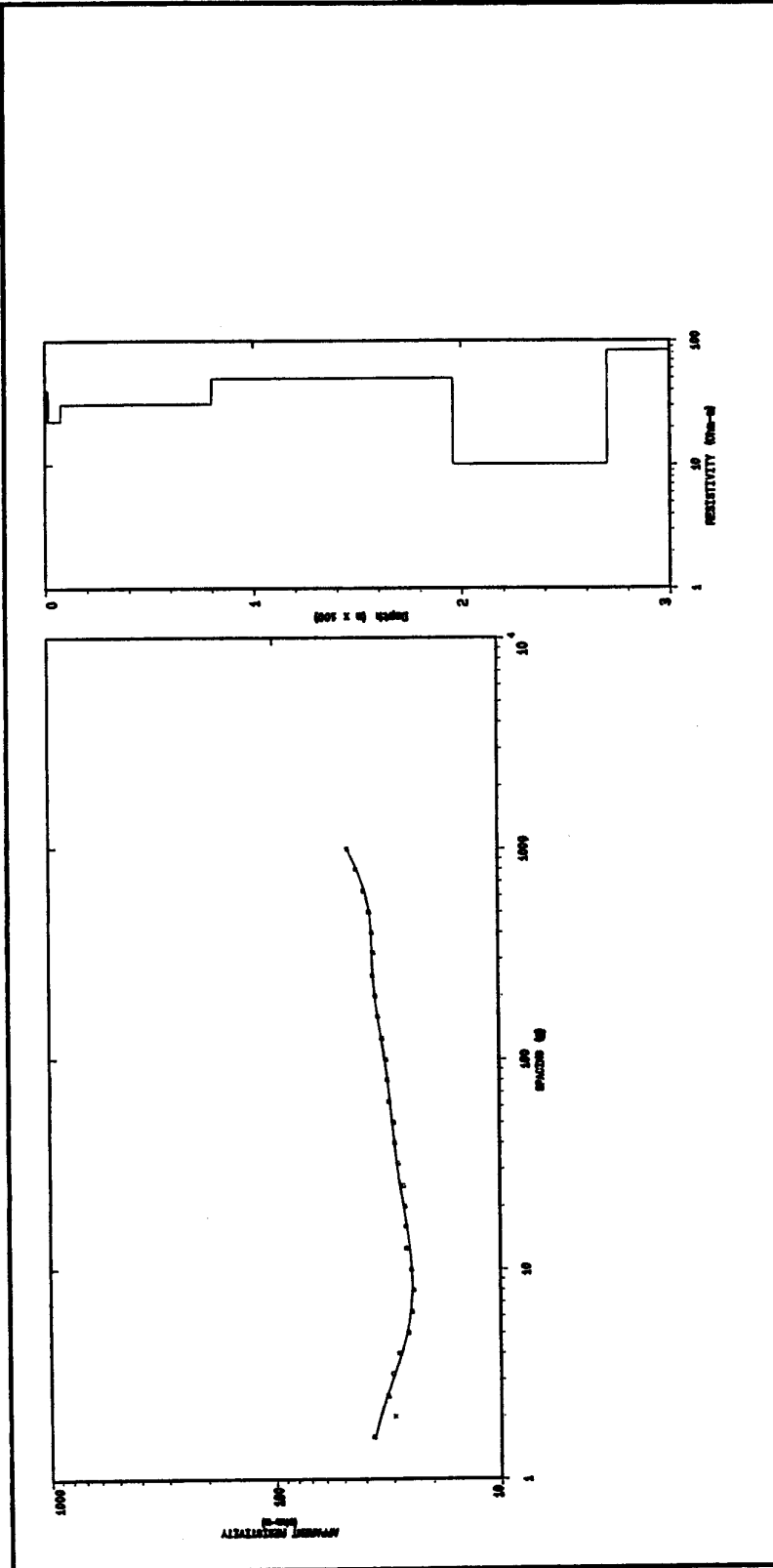
Schlumberger Configuration

FITTING ERROR: 1.675 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 0.0 | |
| 1 | 40.00 | | 1.20 | -1.20 | 0.0300 |
| 2 | 22.60 | | 6.20 | -7.40 | 0.274 |
| 3 | 31.00 | | 72.60 | -80.00 | 2.34 |
| 4 | 50.00 | | 116.0 | -196.0 | 2.32 |
| 5 | 10.20 | | 74.00 | -270.0 | 7.25 |
| 6 | 84.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 41.00 | 40.54 | 1.09 |
| 2 | 2.00 | 32.90 | 38.44 | -16.86 |
| 3 | 2.50 | 35.40 | 35.92 | -1.49 |
| 4 | 3.20 | 33.70 | 33.03 | 1.98 |
| 5 | 4.00 | 31.60 | 30.72 | 2.76 |
| 6 | 5.00 | 28.70 | 28.99 | -1.03 |
| 7 | 6.30 | 27.60 | 27.90 | -1.11 |
| 8 | 8.00 | 27.10 | 27.47 | -1.37 |
| 9 | 10.00 | 27.80 | 27.60 | 0.718 |
| 10 | 12.60 | 29.30 | 28.16 | 3.87 |
| 11 | 12.60 | 26.70 | 25.66 | 3.87 |
| 12 | 16.00 | 26.70 | 26.49 | 0.778 |
| 13 | 20.00 | 27.00 | 27.39 | -1.46 |
| 14 | 25.00 | 27.30 | 28.30 | -3.68 |
| 15 | 32.00 | 28.80 | 29.22 | -1.46 |
| 16 | 40.00 | 29.80 | 29.94 | -0.472 |
| 17 | 50.00 | 30.10 | 30.58 | -1.61 |
| 18 | 50.00 | 28.80 | 29.26 | -1.61 |
| 19 | 63.00 | 30.20 | 29.89 | 1.00 |
| 20 | 80.00 | 30.70 | 30.63 | 0.222 |
| 21 | 100.0 | 31.00 | 31.47 | -1.52 |
| 22 | 126.0 | 32.30 | 32.52 | -0.687 |
| 23 | 160.0 | 33.60 | 33.71 | -0.330 |
| 24 | 200.0 | 34.40 | 34.71 | -0.927 |
| 25 | 200.0 | 34.70 | 35.02 | -0.927 |
| 26 | 250.0 | 35.70 | 35.71 | -0.0311 |
| 27 | 320.0 | 35.40 | 36.00 | -1.70 |
| 28 | 400.0 | 35.90 | 36.12 | -0.632 |
| 29 | 500.0 | 36.90 | 36.71 | 0.499 |
| 30 | 630.0 | 39.00 | 38.46 | 1.37 |
| 31 | 630.0 | 39.80 | 39.25 | 1.37 |
| 32 | 800.0 | 43.00 | 42.63 | 0.851 |
| 33 | 1000.0 | 46.80 | 46.96 | -0.348 |



| | | | |
|----------------------|----------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: RE086 | Date: 10-11-89 | Azimuth: S-35-E | |
| Equipment: SYSCALR2E | Sounding: 86 | | |

DATA SET: REQ87

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 690.00
 SOUNDING COORDINATES: X: 659500.0000 Y: 4372150.0000

DATE: 27-10-89
 SOUNDING: 87
 AZIMUTH: E-25 -S
 EQUIPMENT: SYSCALR2E

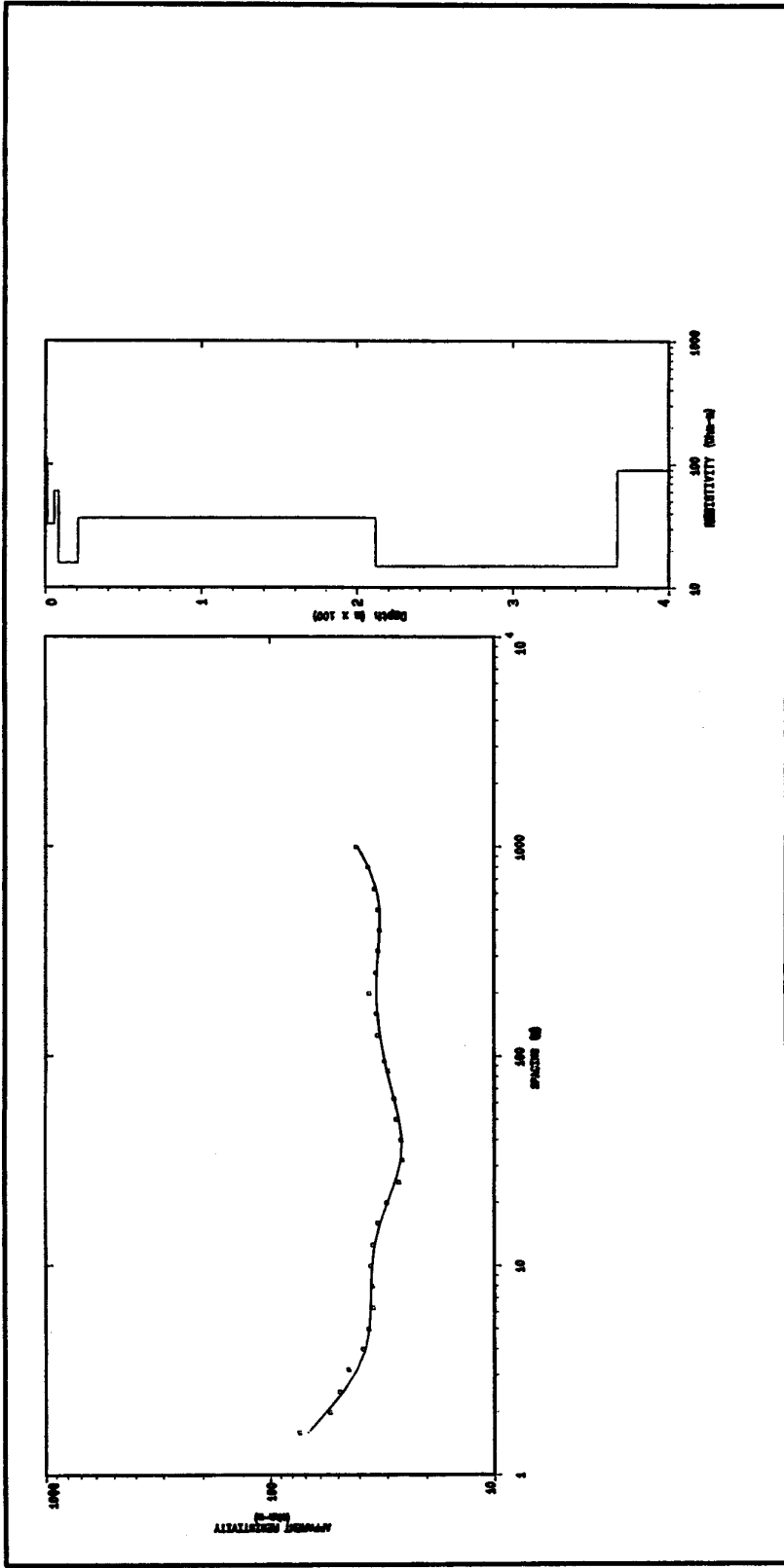
Schlumberger Configuration

FITTING ERROR: 3.436 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 690.0 | |
| 1 | 116.0 | | 0.700 | 689.2 | 0.00603 |
| 2 | 33.00 | | 4.60 | 684.7 | 0.139 |
| 3 | 61.00 | | 3.00 | 681.7 | 0.0491 |
| 4 | 16.00 | | 12.70 | 669.0 | 0.793 |
| 5 | 37.00 | | 191.0 | 478.0 | 5.16 |
| 6 | 15.00 | | 155.0 | 323.0 | 10.33 |
| 7 | 90.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 1.60 | 74.50 | 68.49 | 8.05 |
| 2 | 2.00 | 54.30 | 56.79 | -4.58 |
| 3 | 2.50 | 49.10 | 47.50 | 3.24 |
| 4 | 3.20 | 44.90 | 40.85 | 9.00 |
| 5 | 4.00 | 38.60 | 37.66 | 2.42 |
| 6 | 5.00 | 36.50 | 36.21 | 0.790 |
| 7 | 6.30 | 34.80 | 35.68 | -2.54 |
| 8 | 8.00 | 35.10 | 35.52 | -1.21 |
| 9 | 10.00 | 35.70 | 35.22 | 1.31 |
| 10 | 12.60 | 35.00 | 34.29 | 2.00 |
| 11 | 12.60 | 33.70 | 33.02 | 2.00 |
| 12 | 16.00 | 31.90 | 31.23 | 2.09 |
| 13 | 20.00 | 29.20 | 28.98 | 0.730 |
| 14 | 25.00 | 25.80 | 26.79 | -3.86 |
| 15 | 32.00 | 24.90 | 25.23 | -1.36 |
| 16 | 40.00 | 25.20 | 24.99 | 0.806 |
| 17 | 50.00 | 26.50 | 25.75 | 2.82 |
| 18 | 50.00 | 25.70 | 24.97 | 2.82 |
| 19 | 63.00 | 26.30 | 26.33 | -0.142 |
| 20 | 85.00 | 28.00 | 28.31 | -1.13 |
| 21 | 95.00 | 29.00 | 28.99 | 0.0112 |
| 22 | 126.0 | 31.10 | 30.42 | 2.18 |
| 23 | 160.0 | 31.50 | 31.18 | 0.985 |
| 24 | 200.0 | 33.80 | 31.48 | 6.84 |
| 25 | 200.0 | 36.20 | 33.72 | 6.84 |
| 26 | 250.0 | 33.80 | 33.59 | 0.601 |
| 27 | 320.0 | 33.10 | 33.04 | 0.158 |
| 28 | 400.0 | 32.60 | 32.50 | 0.295 |
| 29 | 500.0 | 33.10 | 32.47 | 1.89 |
| 30 | 630.0 | 34.30 | 33.63 | 1.92 |
| 31 | 630.0 | 34.20 | 33.54 | 1.92 |
| 32 | 800.0 | 36.50 | 36.42 | 0.192 |
| 33 | 1000.0 | 41.40 | 40.56 | 2.00 |



| | | | |
|----------------------|----------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: RE087 | Date: 27-10-89 | Azimuth: E-25 -S | |
| Equipment: SYSCALP2E | Sounding: 87 | | |

DATA SET: 88

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 600.00
 SOUNDING COORDINATES: X: 659425.0000 Y: 4366800.0000

DATE: 20-10-89
 SOUNDING: 88
 AZIMUTH: E-20 -S
 EQUIPMENT: SYSCALR2E

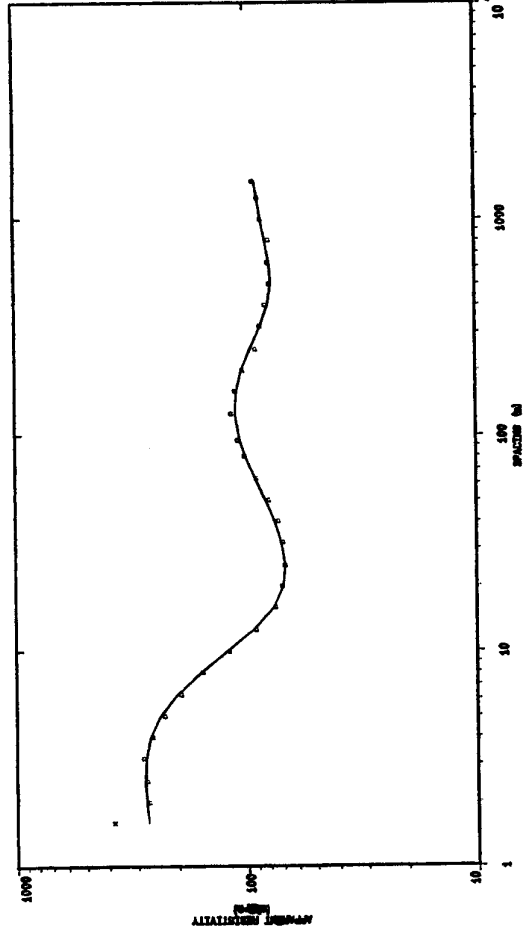
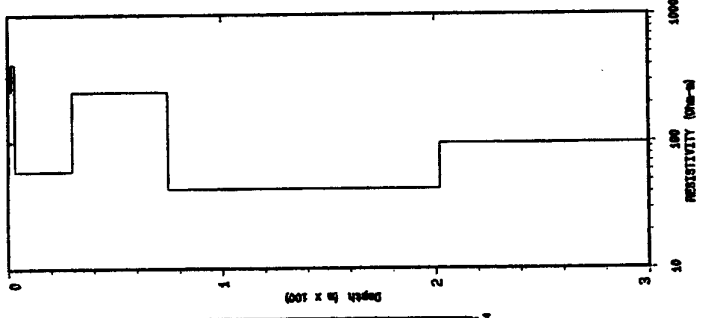
Schlumberger Configuration

FITTING ERROR: 2.358 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 600.0 | |
| 1 | 257.0 | | 1.20 | 598.7 | 0.00467 |
| 2 | 413.0 | | 1.70 | 597.0 | 0.00412 |
| 3 | 59.00 | | 26.80 | 570.2 | 0.454 |
| 4 | 250.0 | | 44.80 | 525.5 | 0.179 |
| 5 | 43.00 | | 127.5 | 398.0 | 2.96 |
| 6 | 98.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 342.3 | 242.9 | 29.05 |
| 2 | 2.00 | 242.1 | 247.6 | -2.27 |
| 3 | 2.50 | 246.5 | 250.6 | -1.66 |
| 4 | 3.20 | 254.8 | 248.0 | 2.66 |
| 5 | 4.00 | 232.7 | 236.7 | -1.72 |
| 6 | 5.00 | 205.7 | 214.4 | -4.26 |
| 7 | 6.30 | 174.3 | 181.4 | -4.01 |
| 8 | 8.00 | 140.3 | 142.4 | -1.44 |
| 9 | 10.00 | 107.3 | 109.1 | -1.71 |
| 10 | 12.60 | 82.00 | 83.67 | -2.04 |
| 11 | 12.60 | 91.60 | 93.47 | -2.04 |
| 12 | 16.00 | 75.50 | 76.53 | -1.36 |
| 13 | 20.00 | 70.60 | 69.72 | 1.24 |
| 14 | 25.00 | 68.40 | 68.35 | 0.0617 |
| 15 | 32.00 | 69.90 | 70.76 | -1.24 |
| 16 | 40.00 | 73.10 | 75.72 | -3.59 |
| 17 | 50.00 | 80.40 | 82.96 | -3.19 |
| 18 | 50.00 | 73.10 | 75.43 | -3.19 |
| 19 | 63.00 | 82.60 | 83.65 | -1.28 |
| 20 | 80.00 | 92.70 | 92.15 | 0.585 |
| 21 | 95.00 | 99.30 | 97.19 | 2.11 |
| 22 | 126.0 | 105.6 | 101.5 | 3.80 |
| 23 | 160.0 | 101.4 | 100.2 | 1.11 |
| 24 | 200.0 | 93.80 | 94.93 | -1.21 |
| 25 | 200.0 | 95.50 | 96.65 | -1.21 |
| 26 | 250.0 | 83.80 | 88.60 | -5.72 |
| 27 | 320.0 | 80.10 | 79.55 | 0.682 |
| 28 | 400.0 | 75.90 | 73.86 | 2.68 |
| 29 | 500.0 | 72.70 | 71.72 | 1.34 |
| 30 | 630.0 | 73.70 | 72.75 | 1.27 |
| 31 | 630.0 | 79.40 | 78.38 | 1.27 |
| 32 | 800.0 | 79.00 | 81.58 | -3.27 |
| 33 | 1000.0 | 85.50 | 85.02 | 0.553 |
| 34 | 1260.0 | 88.10 | 88.27 | -0.203 |
| 35 | 1500.0 | 91.90 | 90.36 | 1.67 |



| | |
|----------------------|----------------|
| RESISTIVIDAD | |
| REQUENA VALENCIA | |
| for: ITGE | |
| by: I.T.G.E. | |
| Data Set: 88 | Date: 20-10-89 |
| Equipment: SYSCALP2E | Sounding: 88 |
| Azimuth: E-20 -S | |

DATA SET: REQ90

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 700.00
 SOUNDING COORDINATES: X: 660425.0000 Y: 4375700.0000

DATE: 31-10-89
 SOUNDING: 90
 AZIMUTH: E-40-S
 EQUIPMENT: SYSCALR2E

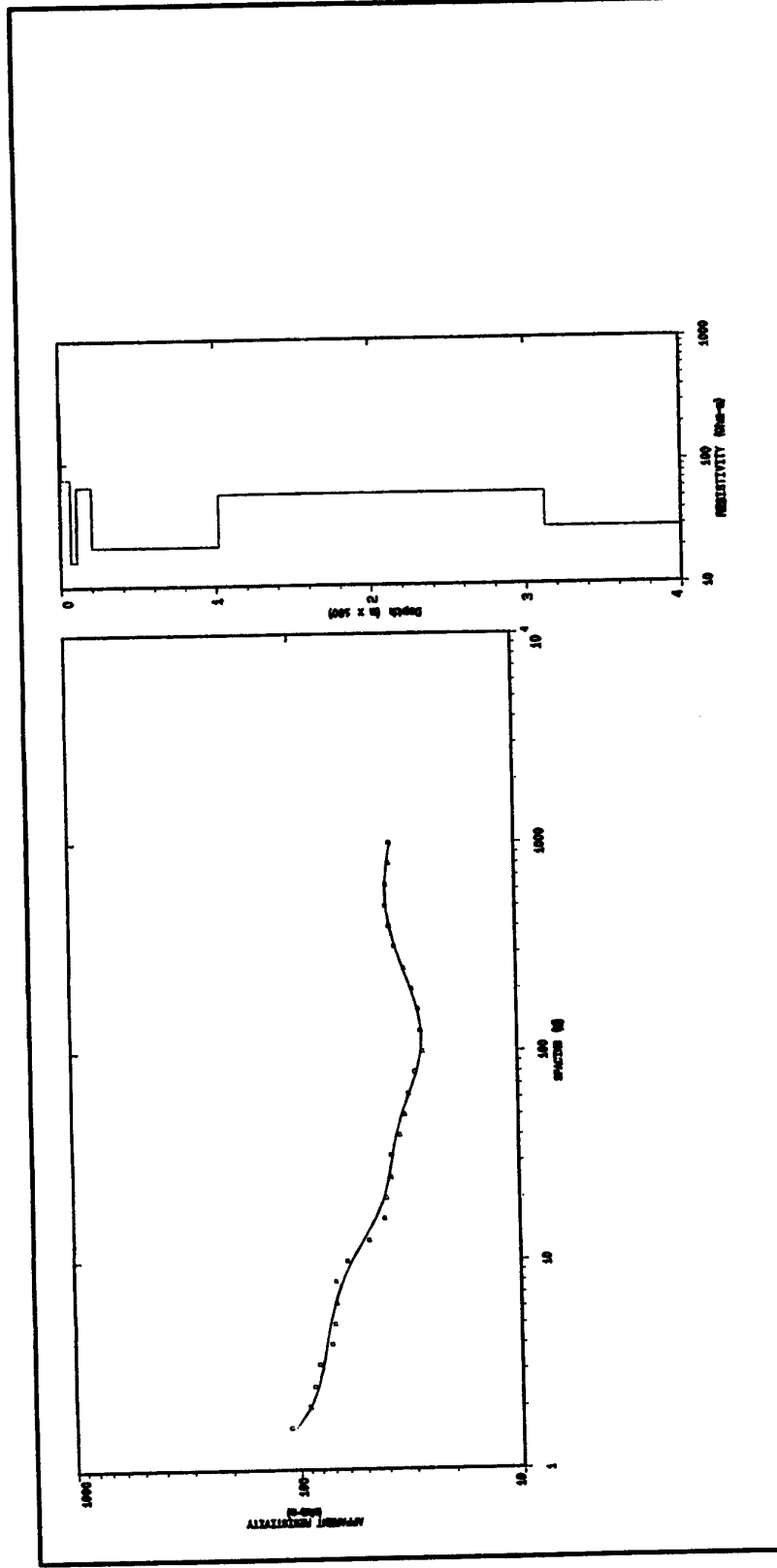
Schlumberger Configuration

FITTING ERROR: 3.535 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 700.0 | |
| 1 | 337.0 | | 0.400 | 699.5 | 0.00119 |
| 2 | 75.00 | | 6.00 | 693.5 | 0.0800 |
| 3 | 16.00 | | 3.80 | 689.7 | 0.237 |
| 4 | 65.00 | | 9.80 | 680.0 | 0.150 |
| 5 | 21.00 | | 82.00 | 598.0 | 3.90 |
| 6 | 56.00 | | 210.0 | 388.0 | 3.75 |
| 7 | 29.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 1.60 | 119.0 | 112.6 | 5.34 |
| 2 | 2.00 | 97.30 | 97.10 | 0.199 |
| 3 | 2.50 | 92.60 | 88.88 | 4.00 |
| 4 | 3.20 | 87.80 | 84.12 | 4.18 |
| 5 | 4.00 | 77.00 | 81.14 | -5.38 |
| 6 | 5.00 | 74.30 | 78.11 | -5.13 |
| 7 | 6.30 | 73.00 | 74.13 | -1.55 |
| 8 | 8.00 | 73.20 | 68.56 | 6.32 |
| 9 | 10.00 | 64.80 | 62.01 | 4.30 |
| 10 | 12.60 | 51.60 | 54.65 | -5.91 |
| 11 | 12.60 | 47.60 | 50.41 | -5.91 |
| 12 | 16.00 | 40.40 | 44.26 | -9.57 |
| 13 | 20.00 | 39.40 | 40.37 | -2.48 |
| 14 | 25.00 | 37.60 | 38.26 | -1.76 |
| 15 | 32.00 | 37.30 | 36.87 | 1.14 |
| 16 | 40.00 | 34.00 | 35.37 | -4.03 |
| 17 | 50.00 | 32.20 | 33.22 | -3.17 |
| 18 | 50.00 | 30.70 | 31.67 | -3.17 |
| 19 | 63.00 | 29.40 | 29.20 | 0.675 |
| 20 | 80.00 | 27.50 | 26.95 | 1.99 |
| 21 | 100.0 | 25.40 | 25.68 | -1.12 |
| 22 | 126.0 | 25.80 | 25.51 | 1.09 |
| 23 | 160.0 | 26.30 | 26.55 | -0.968 |
| 24 | 200.0 | 28.00 | 28.39 | -1.40 |
| 25 | 200.0 | 28.20 | 28.59 | -1.40 |
| 26 | 250.0 | 30.50 | 30.90 | -1.32 |
| 27 | 320.0 | 33.60 | 33.46 | 0.407 |
| 28 | 400.0 | 35.40 | 35.32 | 0.198 |
| 29 | 500.0 | 36.60 | 36.44 | 0.420 |
| 30 | 630.0 | 36.30 | 36.63 | -0.932 |
| 31 | 630.0 | 37.90 | 38.25 | -0.932 |
| 32 | 800.0 | 36.70 | 37.43 | -2.00 |
| 33 | 1000.0 | 36.40 | 36.00 | 1.07 |



| | |
|---------------------|----------|
| RESISTIVIDAD | |
| REQUENA VALENCIA | |
| Azimuth: E-40-S | |
| for: | ITGE |
| by: | I.T.G.E. |
| Data Set: | REQ90 |
| Equipment: | SYSALP2E |
| Date: | 31-10-89 |
| Sounding: | 90 |

DATA SET: REQ91

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 670.00
 SOUNDING COORDINATES: X: 660500.0000 Y: 4372950.0000

DATE: 10-11-89
 SOUNDING: 91
 AZIMUTH: S-30-E
 EQUIPMENT: SYSCALR2E

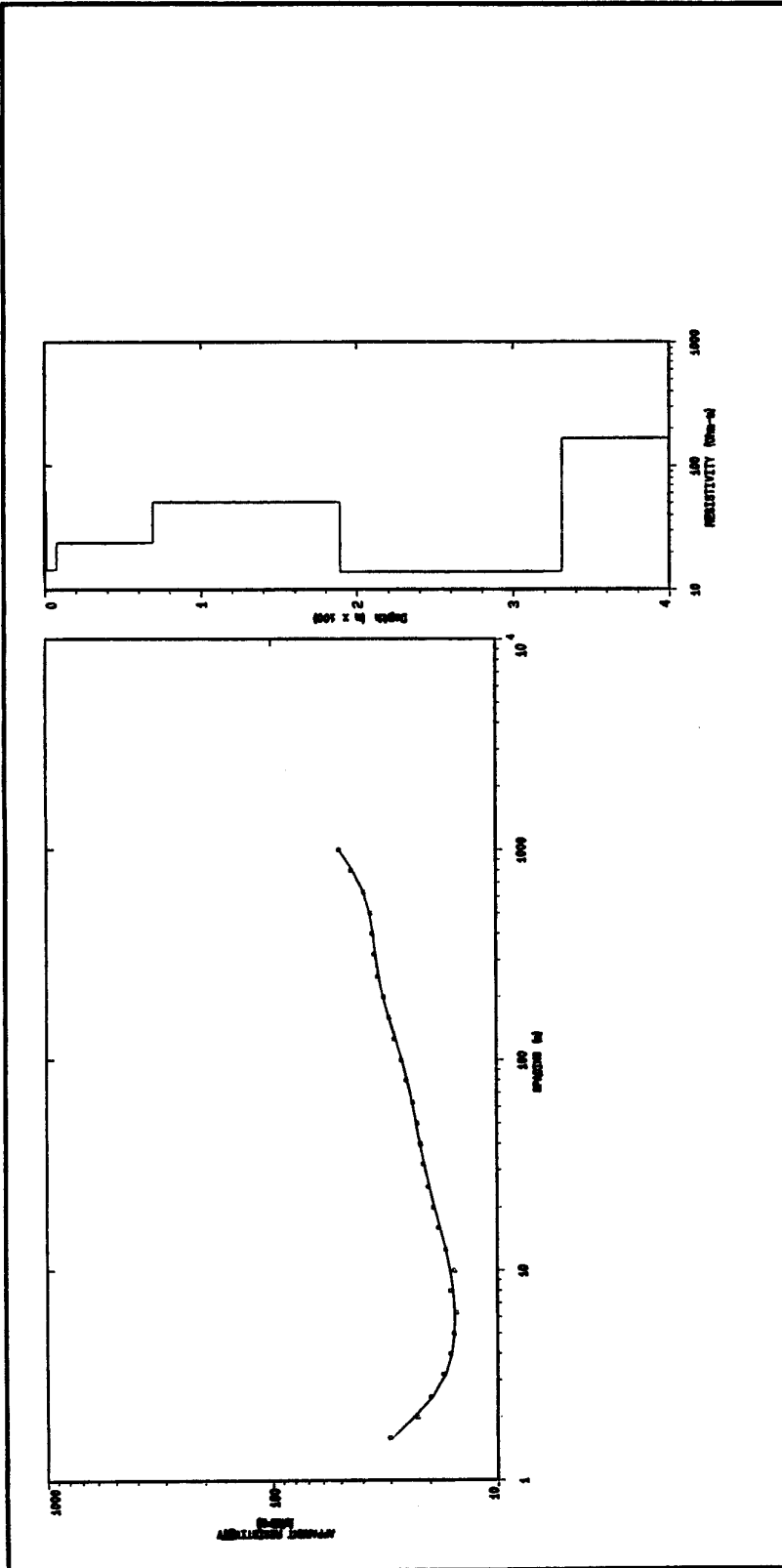
Schlumberger Configuration

FITTING ERROR: 1.549 PERCENT

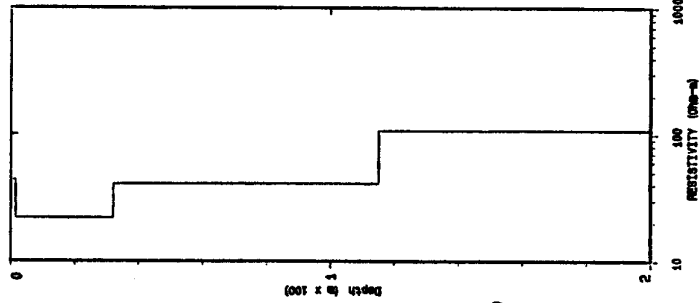
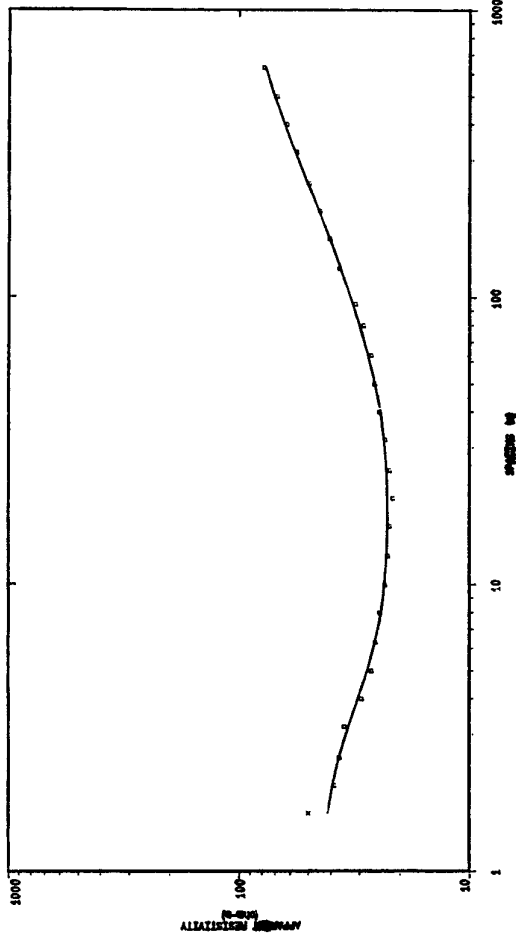
| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 670.0 | |
| 1 | 63.00 | | 0.600 | 669.4 | 0.00952 |
| 2 | 14.50 | | 6.70 | 662.7 | 0.462 |
| 3 | 24.00 | | 61.70 | 601.0 | 2.57 |
| 4 | 51.00 | | 120.0 | 481.0 | 2.35 |
| 5 | 14.00 | | 142.0 | 339.0 | 10.14 |
| 6 | 167.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 32.60 | 31.75 | 2.59 |
| 2 | 2.00 | 24.50 | 25.37 | -3.58 |
| 3 | 2.50 | 21.40 | 20.99 | 1.90 |
| 4 | 3.20 | 18.70 | 18.28 | 2.19 |
| 5 | 4.00 | 17.40 | 17.15 | 1.38 |
| 6 | 5.00 | 16.80 | 16.71 | 0.509 |
| 7 | 6.30 | 16.40 | 16.65 | -1.57 |
| 8 | 8.00 | 17.40 | 16.92 | 2.72 |
| 9 | 10.00 | 16.70 | 17.46 | -4.55 |
| 10 | 12.60 | 18.30 | 18.28 | 0.0561 |
| 11 | 12.60 | 16.50 | 16.49 | 0.0561 |
| 12 | 16.00 | 17.70 | 17.46 | 1.30 |
| 13 | 20.00 | 18.70 | 18.47 | 1.17 |
| 14 | 25.00 | 19.70 | 19.49 | 1.03 |
| 15 | 32.00 | 20.70 | 20.55 | 0.694 |
| 16 | 40.00 | 21.30 | 21.44 | -0.680 |
| 17 | 50.00 | 22.00 | 22.30 | -1.38 |
| 18 | 50.00 | 22.70 | 23.01 | -1.38 |
| 19 | 63.00 | 23.80 | 23.99 | -0.807 |
| 20 | 80.00 | 25.40 | 25.19 | 0.800 |
| 21 | 100.0 | 26.70 | 26.60 | 0.349 |
| 22 | 126.0 | 28.70 | 28.37 | 1.12 |
| 23 | 160.0 | 30.20 | 30.40 | -0.663 |
| 24 | 200.0 | 31.90 | 32.20 | -0.969 |
| 25 | 200.0 | 32.70 | 33.01 | -0.969 |
| 26 | 250.0 | 34.70 | 34.51 | 0.520 |
| 27 | 320.0 | 36.00 | 35.63 | 1.00 |
| 28 | 400.0 | 36.60 | 36.40 | 0.545 |
| 29 | 500.0 | 37.40 | 37.56 | -0.446 |
| 30 | 630.0 | 40.00 | 40.08 | -0.205 |
| 31 | 630.0 | 38.90 | 38.97 | -0.205 |
| 32 | 800.0 | 44.20 | 43.57 | 1.40 |
| 33 | 1000.0 | 49.90 | 49.91 | -0.0288 |



| | | | |
|----------------------|--|-----------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA | |
| Data Set: RE091 | | VALENCIA | |
| Equipment: SYSCALR2E | | Azimuth: S-30-E | |
| Date: 10-11-89 | | | |
| Sounding: 91 | | | |



for: ITGE

by: I.T.G.E.

Data Set: RE092 Date: 18-10-89

Equipment: SYSCALR2E Sounding: 92

RESISTIVIDAD

REQUENA
VALENCIA

Azimuth: N-40 -E

DATA SET: REQ93

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 620.00
 SOUNDING COORDINATES: X: 660400.0000 Y: 4367950.0000

DATE: 18-10-89
 SOUNDING: 93
 AZIMUTH: N-30 -E
 EQUIPMENT: SYSCALR2E

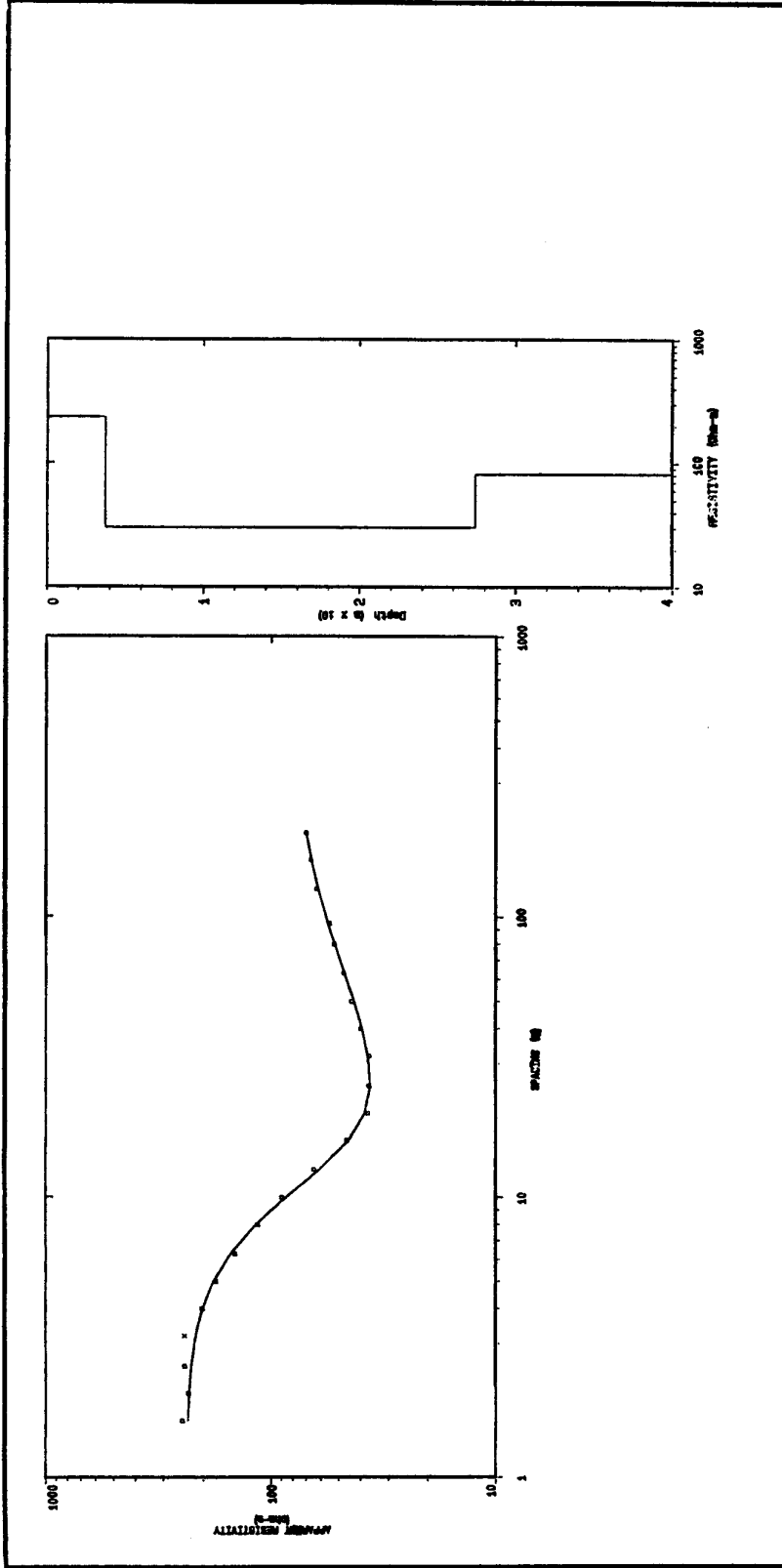
Schlumberger Configuration

FITTING ERROR: 3.180 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| 1 | 237.0 | | 3.70 | 620.0 | |
| 2 | 30.50 | | 23.70 | 616.2 | 0.0156 |
| 3 | 82.00 | | | 592.5 | 0.777 |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 1.60 | 264.2 | 249.6 | 5.52 |
| 2 | 2.00 | 248.5 | 246.7 | 0.686 |
| 3 | 2.50 | 258.3 | 241.4 | 6.55 |
| 4 | 3.20 | 258.0 | 230.9 | 10.47 |
| 5 | 4.00 | 215.3 | 215.4 | -0.0543 |
| 6 | 5.00 | 187.8 | 192.5 | -2.47 |
| 7 | 6.30 | 154.7 | 161.2 | -4.24 |
| 8 | 8.00 | 122.0 | 124.2 | -1.85 |
| 9 | 10.00 | 95.20 | 91.35 | 4.04 |
| 10 | 12.60 | 68.70 | 64.82 | 5.64 |
| 11 | 12.60 | 66.10 | 62.37 | 5.64 |
| 12 | 16.00 | 47.20 | 46.27 | 1.95 |
| 13 | 20.00 | 38.10 | 39.29 | -3.12 |
| 14 | 25.00 | 37.60 | 37.21 | 1.02 |
| 15 | 32.00 | 37.50 | 37.98 | -1.29 |
| 16 | 40.00 | 40.80 | 40.35 | 1.09 |
| 17 | 50.00 | 45.00 | 43.91 | 2.40 |
| 18 | 50.00 | 43.80 | 42.74 | 2.40 |
| 19 | 63.00 | 47.40 | 47.22 | 0.373 |
| 20 | 80.00 | 52.20 | 52.33 | -0.252 |
| 21 | 95.00 | 54.90 | 56.06 | -2.11 |
| 22 | 126.0 | 62.70 | 61.94 | 1.20 |
| 23 | 160.0 | 66.80 | 66.43 | 0.547 |
| 24 | 200.0 | 70.10 | 70.08 | 0.0203 |



| | | | |
|----------------------|----------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: RE093 | Date: 18-10-89 | Azimuth: N-30 -E | |
| Equipment: SYSCALR2E | Sounding: 93 | | |

DATA SET: REQ94

CLIENT: ITGE
LOCATION: REQUENA
COUNTY: VALENCIA
PROJECT: RESISTIVIDAD
ELEVATION: 730.00
SOUNDING COORDINATES: X: 681750.0000 Y: 4376550.0000

DATE: 31-10-89
SOUNDING: 94
AZIMUTH: S-38-E
EQUIPMENT: SYSCALR2E

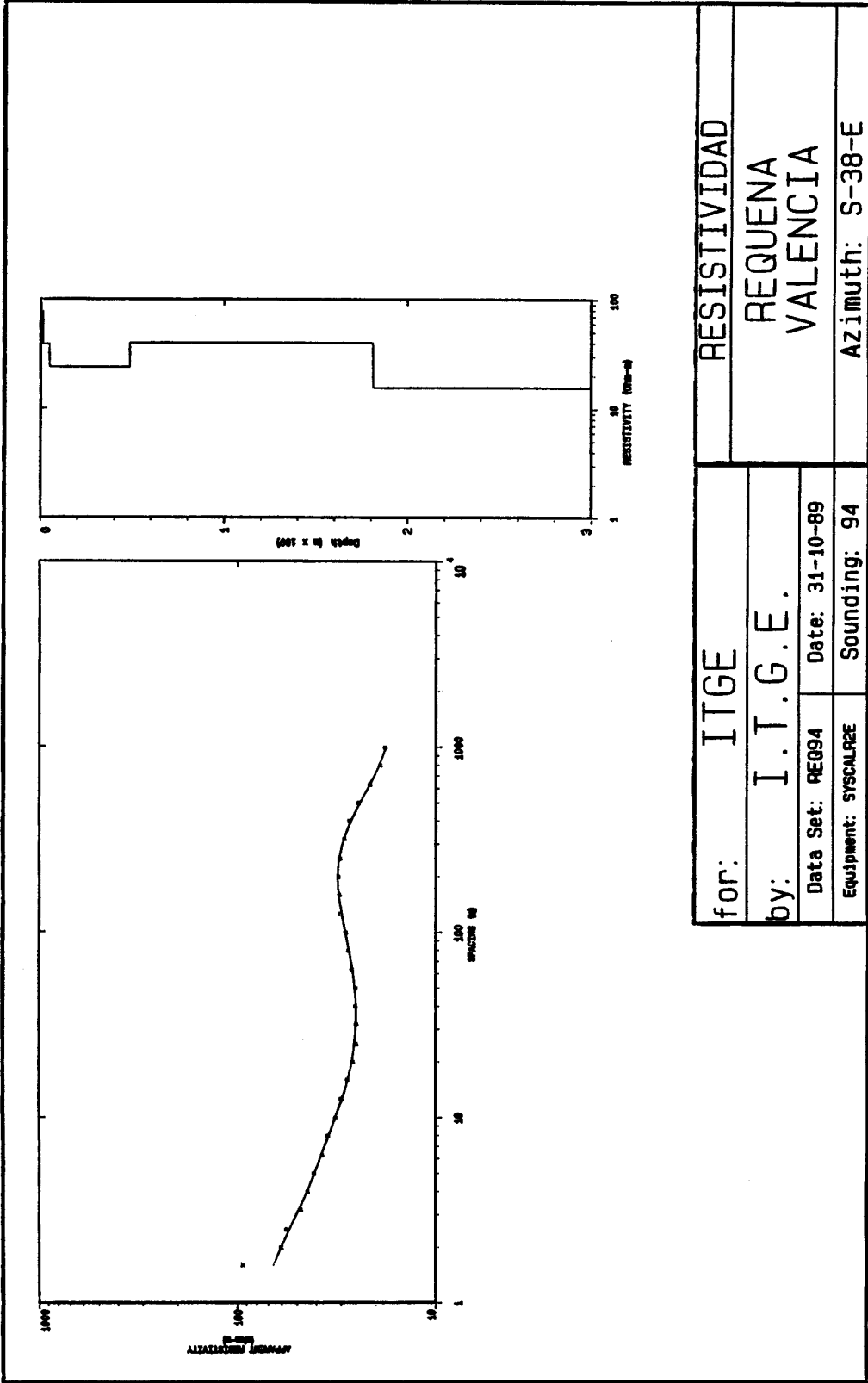
Schlumberger Configuration

FITTING ERROR: 1.157 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 730.0 | |
| 1 | 78.00 | | 1.00 | 729.0 | 0.0128 |
| 2 | 38.60 | | 3.70 | 725.2 | 0.0958 |
| 3 | 24.00 | | 43.80 | 681.5 | 1.82 |
| 4 | 40.00 | | 132.5 | 549.0 | 3.31 |
| 5 | 15.70 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 94.30 | 66.09 | 29.91 |
| 2 | 2.00 | 60.40 | 60.79 | -0.662 |
| 3 | 2.50 | 56.80 | 55.07 | 3.03 |
| 4 | 3.20 | 48.10 | 49.09 | -2.07 |
| 5 | 4.00 | 44.30 | 44.56 | -0.593 |
| 6 | 5.00 | 41.20 | 40.90 | 0.714 |
| 7 | 6.30 | 37.50 | 37.74 | -0.647 |
| 8 | 8.00 | 35.10 | 34.78 | 0.903 |
| 9 | 10.00 | 32.10 | 32.19 | -0.289 |
| 10 | 12.60 | 30.10 | 29.80 | 0.971 |
| 11 | 12.60 | 27.60 | 27.33 | 0.971 |
| 12 | 16.00 | 25.70 | 25.53 | 0.632 |
| 13 | 20.00 | 24.10 | 24.36 | -1.09 |
| 14 | 25.00 | 23.20 | 23.63 | -1.88 |
| 15 | 32.00 | 23.20 | 23.26 | -0.285 |
| 16 | 40.00 | 23.40 | 23.25 | 0.600 |
| 17 | 50.00 | 23.40 | 23.55 | -0.661 |
| 18 | 50.00 | 24.40 | 24.56 | -0.661 |
| 19 | 63.00 | 25.50 | 25.23 | 1.05 |
| 20 | 80.00 | 26.50 | 26.28 | 0.798 |
| 21 | 100.0 | 27.30 | 27.50 | -0.744 |
| 22 | 126.0 | 29.10 | 28.76 | 1.13 |
| 23 | 160.0 | 29.40 | 29.76 | -1.24 |
| 24 | 200.0 | 29.70 | 30.10 | -1.36 |
| 25 | 200.0 | 31.10 | 31.52 | -1.36 |
| 26 | 250.0 | 30.70 | 31.03 | -1.07 |
| 27 | 320.0 | 29.10 | 29.38 | -0.973 |
| 28 | 400.0 | 27.40 | 27.04 | 1.27 |
| 29 | 500.0 | 24.70 | 24.31 | 1.55 |
| 30 | 630.0 | 21.60 | 21.59 | 0.0302 |
| 31 | 630.0 | 21.50 | 21.49 | 0.0302 |
| 32 | 800.0 | 19.00 | 19.25 | -1.35 |
| 33 | 1000.0 | 18.00 | 17.83 | 0.939 |



| | | | |
|----------------------|----------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: REC94 | Date: 31-10-89 | Azimuth: S-38-E | |
| Equipment: SYSCALR2E | Sounding: 94 | | |

DATA SET: REQ95

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 680.00
 SOUNDING COORDINATES: X: 661250.0000 Y: 4373900.0000

DATE: 16-2-90
 SOUNDING: 95
 AZIMUTH: E-55 -S
 EQUIPMENT: SYSCALR2E

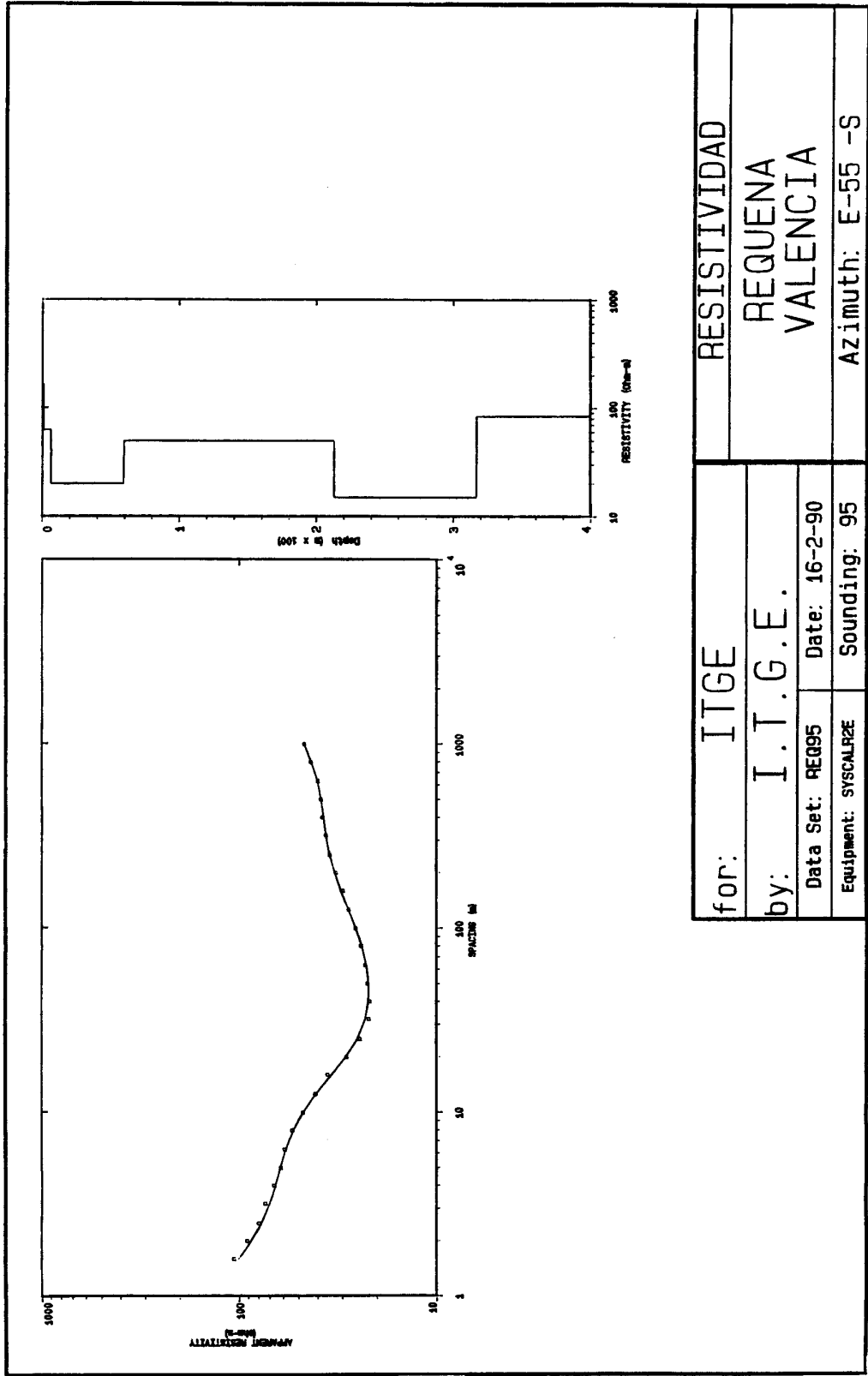
Schlumberger Configuration

FITTING ERROR: 2.291 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| 1 | 171.0 | | 0.600 | 680.0 | |
| 2 | 63.00 | | 5.60 | 679.4 | 0.00351 |
| 3 | 20.00 | | 53.20 | 673.8 | 0.0888 |
| 4 | 50.00 | | 153.6 | 620.6 | 2.66 |
| 5 | 15.00 | | 104.0 | 467.0 | 3.07 |
| 6 | 84.00 | | | 363.0 | 6.93 |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 1.60 | 89.80 | 84.87 | 5.48 |
| 2 | 2.00 | 76.80 | 73.52 | 4.25 |
| 3 | 2.50 | 67.10 | 65.06 | 3.03 |
| 4 | 3.20 | 62.20 | 58.92 | 5.27 |
| 5 | 4.00 | 56.40 | 55.27 | 1.99 |
| 6 | 5.00 | 52.00 | 52.32 | -0.634 |
| 7 | 6.30 | 49.80 | 49.09 | 1.41 |
| 8 | 8.00 | 45.50 | 44.91 | 1.28 |
| 9 | 10.00 | 40.10 | 40.04 | 0.131 |
| 10 | 12.60 | 34.70 | 34.36 | 0.977 |
| 11 | 12.60 | 37.50 | 37.13 | 0.977 |
| 12 | 16.00 | 32.40 | 30.95 | 4.46 |
| 13 | 20.00 | 26.10 | 26.22 | -0.477 |
| 14 | 25.00 | 22.40 | 22.95 | -2.49 |
| 15 | 32.00 | 20.10 | 20.94 | -4.22 |
| 16 | 40.00 | 19.90 | 20.20 | -1.51 |
| 17 | 50.00 | 20.40 | 20.15 | 1.22 |
| 18 | 50.00 | 21.00 | 20.74 | 1.22 |
| 19 | 63.00 | 21.60 | 21.29 | 1.41 |
| 20 | 80.00 | 22.70 | 22.49 | 0.902 |
| 21 | 100.0 | 24.20 | 24.17 | 0.100 |
| 22 | 126.0 | 26.20 | 26.34 | -0.566 |
| 23 | 160.0 | 28.00 | 28.78 | -2.80 |
| 24 | 200.0 | 30.40 | 30.94 | -1.80 |
| 25 | 200.0 | 31.90 | 32.47 | -1.80 |
| 26 | 250.0 | 34.30 | 34.38 | -0.244 |
| 27 | 320.0 | 35.80 | 35.93 | -0.368 |
| 28 | 400.0 | 37.40 | 36.93 | 1.24 |
| 29 | 500.0 | 38.00 | 37.95 | 0.116 |
| 30 | 630.0 | 39.40 | 39.62 | -0.565 |
| 31 | 630.0 | 40.00 | 40.22 | -0.565 |
| 32 | 800.0 | 43.40 | 43.14 | 0.587 |
| 33 | 1000.0 | 46.90 | 47.00 | -0.222 |



RESISTIVIDAD

REQUENA
VALENCIA

Azimuth: E-55 -S

for: ITGE

by: I.T.G.E.

Data Set: REQ95 Date: 16-2-90

Equipment: SYSCALR2E Sounding: 95

DATA SET: REQ96

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 740.00
 SOUNDING COORDINATES: X: 663050.0000 Y: 4369800.0000

DATE: 20-2-90
 SOUNDING: 96
 AZIMUTH: N-45 -O
 EQUIPMENT: SYSCALR2E

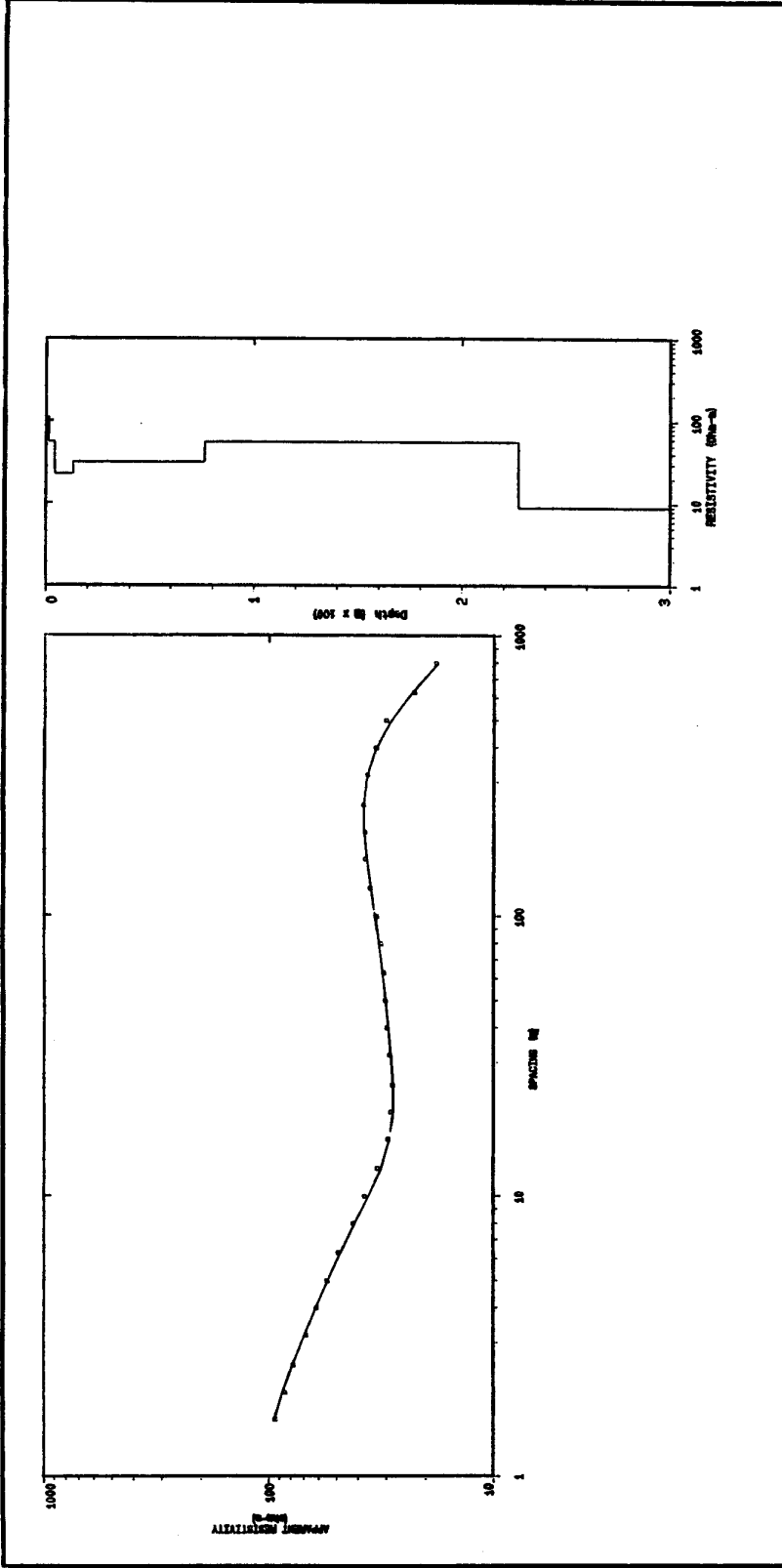
Schlumberger Configuration

FITTING ERROR: 2.078 PERCENT

| L = | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 740.0 | |
| 1 | 112.0 | | 1.00 | 739.0 | 0.00893 |
| 2 | 56.60 | | 3.00 | 736.0 | 0.0530 |
| 3 | 23.00 | | 9.00 | 727.0 | 0.391 |
| 4 | 32.00 | | 63.00 | 664.0 | 1.96 |
| 5 | 56.00 | | 151.0 | 513.0 | 2.69 |
| 6 | 9.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 1.60 | 89.10 | 90.14 | -1.17 |
| 2 | 2.00 | 80.60 | 82.88 | -2.82 |
| 3 | 2.50 | 74.10 | 74.83 | -0.988 |
| 4 | 3.20 | 65.00 | 66.03 | -1.59 |
| 5 | 4.00 | 58.50 | 58.75 | -0.440 |
| 6 | 5.00 | 52.40 | 52.12 | 0.522 |
| 7 | 6.30 | 46.70 | 45.64 | 2.24 |
| 8 | 8.00 | 40.00 | 39.32 | 1.69 |
| 9 | 10.00 | 35.60 | 34.14 | 4.09 |
| 10 | 12.60 | 31.30 | 30.08 | 3.88 |
| 11 | 12.60 | 30.40 | 29.21 | 3.88 |
| 12 | 16.00 | 27.30 | 26.78 | 1.86 |
| 13 | 20.00 | 26.50 | 25.87 | 2.35 |
| 14 | 25.00 | 26.00 | 25.87 | 0.474 |
| 15 | 32.00 | 26.80 | 26.45 | 1.27 |
| 16 | 40.00 | 27.60 | 27.20 | 1.42 |
| 17 | 50.00 | 28.10 | 28.02 | 0.256 |
| 18 | 50.00 | 28.60 | 28.52 | 0.256 |
| 19 | 63.00 | 29.10 | 29.44 | -1.19 |
| 20 | 80.00 | 29.90 | 30.52 | -2.10 |
| 21 | 100.0 | 31.30 | 31.72 | -1.35 |
| 22 | 126.0 | 33.40 | 33.15 | 0.738 |
| 23 | 160.0 | 35.20 | 34.63 | 1.60 |
| 24 | 200.0 | 35.20 | 35.64 | -1.25 |
| 25 | 200.0 | 35.60 | 36.04 | -1.25 |
| 26 | 250.0 | 36.20 | 36.19 | 0.0252 |
| 27 | 320.0 | 34.70 | 34.74 | -0.133 |
| 28 | 400.0 | 31.80 | 31.71 | 0.262 |
| 29 | 500.0 | 28.70 | 27.25 | 5.01 |
| 30 | 630.0 | 21.50 | 21.91 | -1.94 |
| 31 | 630.0 | 22.60 | 23.03 | -1.94 |
| 32 | 800.0 | 18.00 | 17.63 | 2.02 |



| | | | |
|----------------------|---------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: RE096 | Date: 20-2-90 | Azimuth: N-45 -0 | |
| Equipment: SYSCALR2E | Sounding: 96 | | |

DATA SET: REQ97

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 680.00
 SOUNDING COORDINATES: X: 662200.0000 Y: 4371125.0000

DATE: 17-10-89
 SOUNDING: 97
 AZIMUTH: N-40 -E
 EQUIPMENT: SYSCALR2E

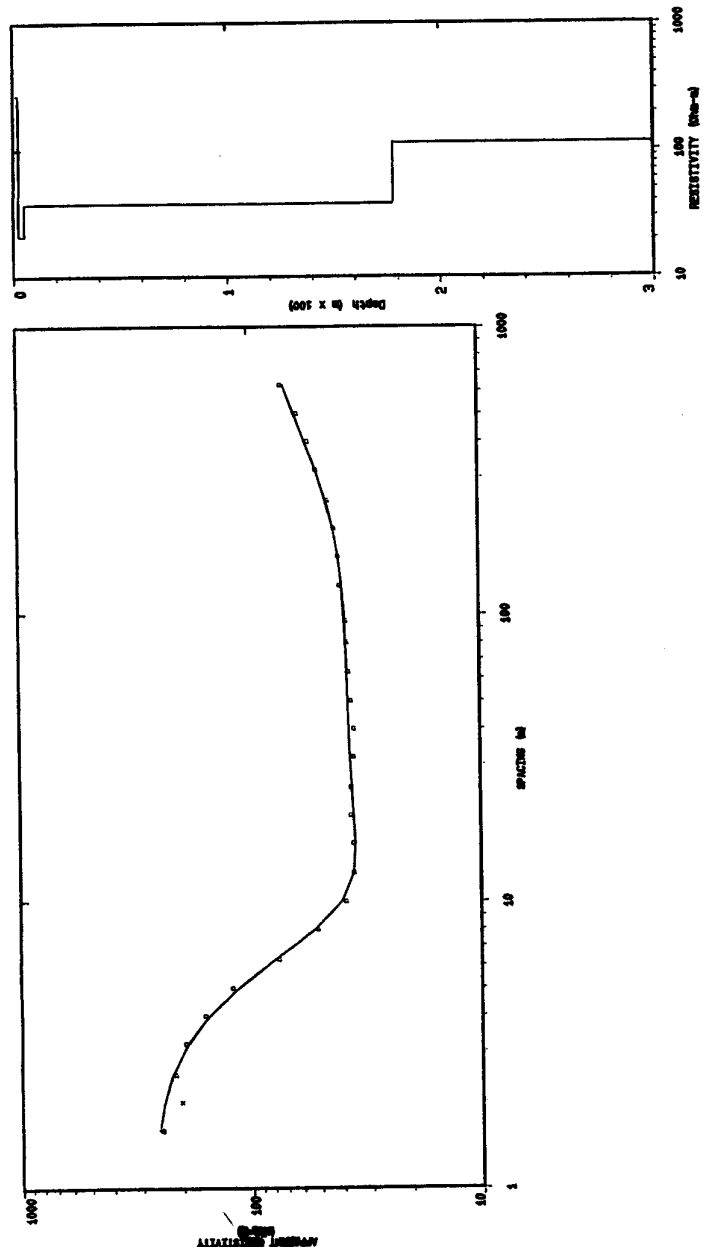
Schlumberger Configuration

FITTING ERROR: 2.717 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| 1 | 272.0 | | 2.20 | 680.0 | 0.00809 |
| 2 | 21.00 | | 2.70 | 677.7 | 0.128 |
| 3 | 38.00 | | 173.1 | 675.0 | 4.55 |
| 4 | 114.0 | | | 501.9 | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|----------------------------|-------------------------|
| 1 | 1.60 | 229.8 | 236.4 | -2.91 |
| 2 | 2.00 | 188.6 | 224.6 | -19.13 |
| 3 | 2.50 | 200.2 | 206.2 | -3.01 |
| 4 | 3.20 | 180.1 | 176.5 | 1.98 |
| 5 | 4.00 | 148.2 | 142.4 | 3.90 |
| 6 | 5.00 | 112.4 | 105.9 | 5.77 |
| 7 | 6.30 | 70.60 | 72.56 | -2.78 |
| 8 | 8.00 | 47.80 | 48.79 | -2.08 |
| 9 | 10.00 | 35.90 | 37.28 | -3.86 |
| 10 | 12.60 | 33.00 | 33.05 | -0.153 |
| 11 | 12.60 | 36.90 | 36.95 | -0.153 |
| 12 | 16.00 | 37.00 | 36.35 | 1.73 |
| 13 | 20.00 | 38.00 | 36.89 | 2.90 |
| 14 | 25.00 | 37.80 | 37.51 | 0.745 |
| 15 | 32.00 | 36.80 | 38.10 | -3.55 |
| 16 | 40.00 | 36.60 | 38.54 | -5.30 |
| 17 | 50.00 | 37.60 | 38.88 | -3.41 |
| 18 | 50.00 | 36.90 | 38.16 | -3.41 |
| 19 | 63.00 | 37.70 | 38.45 | -2.00 |
| 20 | 80.00 | 38.40 | 38.79 | -1.03 |
| 21 | 95.00 | 38.80 | 39.13 | -0.874 |
| 22 | 126.0 | 40.90 | 40.06 | 2.05 |
| 23 | 160.0 | 41.50 | 41.45 | 0.120 |
| 24 | 200.0 | 43.10 | 43.56 | -1.07 |
| 25 | 200.0 | 43.30 | 43.76 | -1.07 |
| 26 | 250.0 | 46.30 | 46.96 | -1.44 |
| 27 | 320.0 | 51.90 | 51.97 | -0.150 |
| 28 | 400.0 | 56.20 | 57.74 | -2.75 |
| 29 | 500.0 | 62.60 | 64.38 | -2.84 |
| 30 | 630.0 | 73.60 | 71.70 | 2.56 |
| 31 | 630.0 | 72.10 | 70.24 | 2.56 |



| | | | |
|-----------------|----------------------|------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA | |
| Data Set: REQ97 | | VALENCIA | |
| Date: 17-10-89 | Equipment: SYSCALREE | Azimuth: N-40 -E | |
| Sounding: 97 | | | |

DATA SET: REQ98

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 760.00
 SOUNDING COORDINATES: X: 664125.0000 Y: 4375225.0000

DATE: 20-2-90
 SOUNDING: 98
 AZIMUTH: E-20 -S
 EQUIPMENT: SYSCALR2E

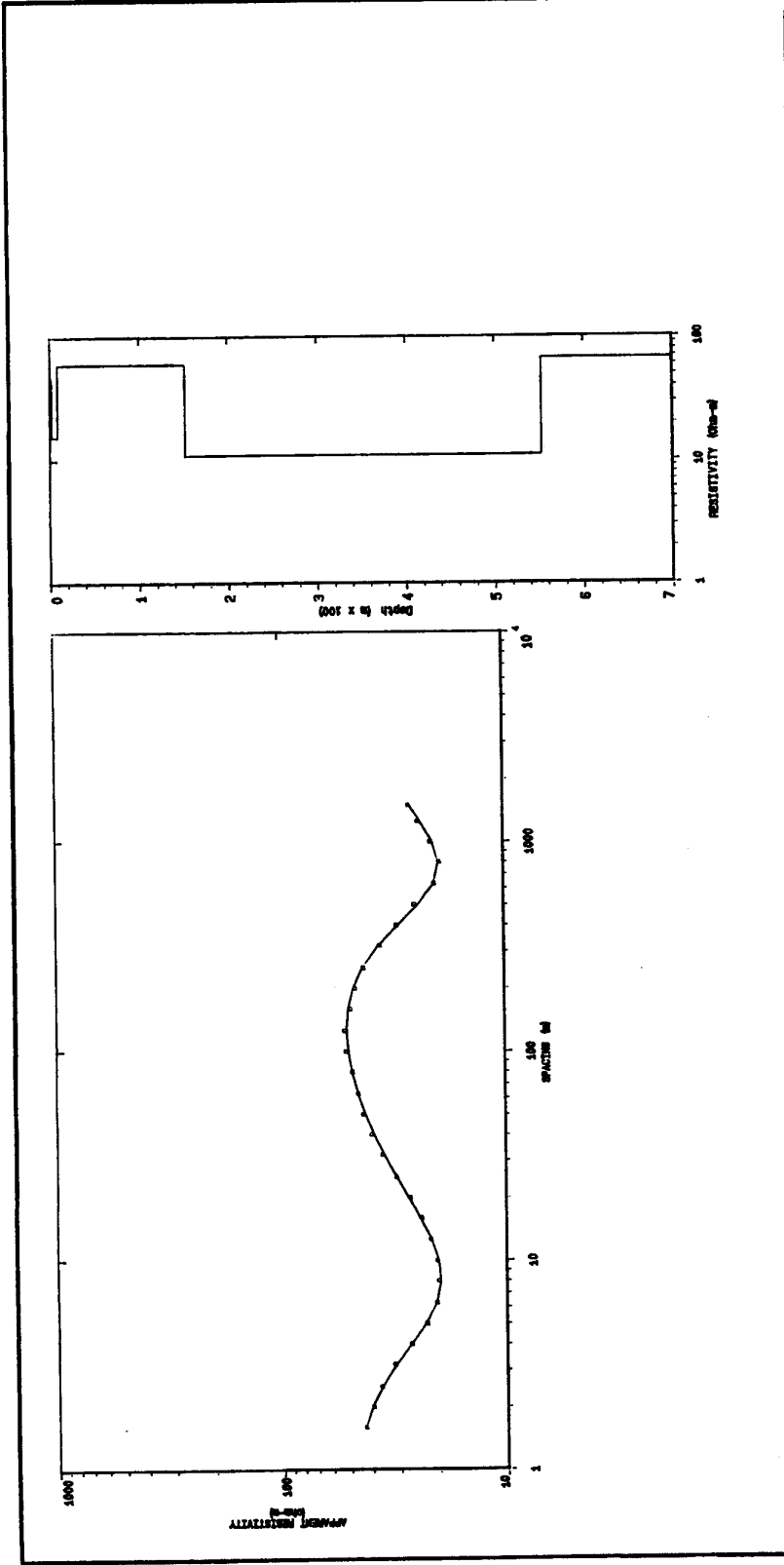
Schlumberger Configuration

FITTING ERROR: 1.625 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 760.0 | |
| 1 | 48.00 | | 1.50 | 758.5 | 0.0312 |
| 2 | 15.50 | | 7.00 | 751.5 | 0.451 |
| 3 | 60.00 | | 143.5 | 608.0 | 2.39 |
| 4 | 11.00 | | 401.0 | 207.0 | 36.45 |
| 5 | 67.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 39.60 | 39.86 | -0.677 |
| 2 | 2.00 | 36.60 | 37.17 | -1.56 |
| 3 | 2.50 | 33.70 | 33.55 | 0.425 |
| 4 | 3.20 | 29.30 | 28.85 | 1.52 |
| 5 | 4.00 | 24.70 | 24.65 | 0.199 |
| 6 | 5.00 | 21.00 | 21.22 | -1.06 |
| 7 | 6.30 | 18.90 | 18.96 | -0.363 |
| 8 | 8.00 | 18.50 | 18.11 | 2.05 |
| 9 | 10.00 | 18.80 | 18.53 | 1.40 |
| 10 | 12.60 | 20.10 | 20.00 | 0.486 |
| 11 | 12.60 | 20.30 | 20.20 | 0.486 |
| 12 | 16.00 | 22.30 | 22.64 | -1.55 |
| 13 | 20.00 | 25.10 | 25.55 | -1.82 |
| 14 | 25.00 | 28.80 | 28.85 | -0.184 |
| 15 | 32.00 | 33.20 | 32.69 | 1.52 |
| 16 | 40.00 | 37.00 | 36.15 | 2.29 |
| 17 | 50.00 | 40.20 | 39.44 | 1.87 |
| 18 | 50.00 | 41.20 | 40.42 | 1.87 |
| 19 | 63.00 | 43.30 | 43.57 | -0.632 |
| 20 | 80.00 | 46.00 | 46.24 | -0.521 |
| 21 | 100.0 | 49.00 | 47.94 | 2.14 |
| 22 | 126.0 | 49.60 | 48.62 | 1.95 |
| 23 | 160.0 | 46.60 | 47.81 | -2.60 |
| 24 | 200.0 | 44.40 | 45.33 | -2.10 |
| 25 | 200.0 | 46.10 | 47.07 | -2.10 |
| 26 | 250.0 | 42.10 | 42.65 | -1.31 |
| 27 | 320.0 | 35.60 | 36.02 | -1.19 |
| 28 | 400.0 | 30.00 | 29.52 | 1.57 |
| 29 | 500.0 | 24.90 | 23.94 | 3.84 |
| 30 | 630.0 | 20.20 | 20.32 | -0.598 |
| 31 | 630.0 | 20.40 | 20.52 | -0.598 |
| 32 | 800.0 | 19.30 | 19.54 | -1.25 |
| 33 | 1000.0 | 21.20 | 20.82 | 1.78 |
| 34 | 1260.0 | 24.20 | 23.63 | 2.32 |
| 35 | 1500.0 | 26.50 | 26.35 | 0.538 |



| | |
|----------------------|---------------|
| RESISTIVIDAD | |
| REQUENA VALENCIA | |
| for: ITGE | |
| by: I.T.G.E. | |
| Data Set: REG98 | Date: 20-2-90 |
| Equipment: SYSCALRAE | Sounding: 98 |
| Azimuth: E-20 -S | |

DATA SET: REQ100

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 710.00
 SOUNDING COORDINATES: X: 669900.0000 Y: 4372050.0000

DATE: 6-10-89
 SOUNDING: 100
 AZIMUTH: 0-45-N
 EQUIPMENT: SYSCALR2E

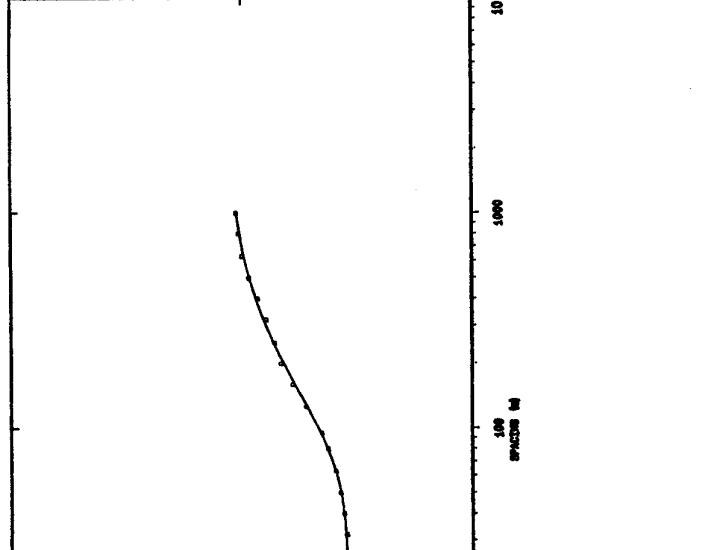
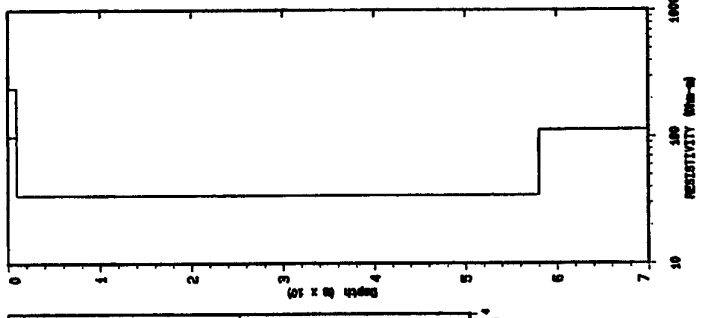
Schlumberger Configuration

FITTING ERROR: 3.072 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 710.0 | |
| 1 | 245.0 | | 0.900 | 709.0 | 0.00367 |
| 2 | 34.70 | | 57.10 | 652.0 | 1.64 |
| 3 | 113.9 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 160.1 | 154.3 | 3.28 |
| 2 | 2.00 | 105.5 | 121.1 | -14.83 |
| 3 | 2.50 | 86.20 | 89.69 | -4.05 |
| 4 | 3.20 | 60.30 | 63.34 | -5.05 |
| 5 | 4.00 | 48.00 | 48.90 | -1.89 |
| 6 | 5.00 | 42.20 | 41.58 | 1.45 |
| 7 | 6.30 | 39.00 | 38.32 | 1.72 |
| 8 | 8.00 | 36.90 | 36.93 | -0.0909 |
| 9 | 10.00 | 35.60 | 36.30 | -1.99 |
| 10 | 12.60 | 36.20 | 35.97 | 0.627 |
| 11 | 12.60 | 35.00 | 34.78 | 0.627 |
| 12 | 16.00 | 33.90 | 34.63 | -2.16 |
| 13 | 20.00 | 34.30 | 34.61 | -0.917 |
| 14 | 25.00 | 34.50 | 34.71 | -0.620 |
| 15 | 32.00 | 34.70 | 35.04 | -0.987 |
| 16 | 40.00 | 35.70 | 35.66 | 0.0859 |
| 17 | 50.00 | 37.00 | 36.79 | 0.554 |
| 18 | 50.00 | 36.80 | 36.59 | 0.554 |
| 19 | 63.00 | 38.50 | 38.53 | -0.103 |
| 20 | 80.00 | 41.60 | 41.70 | -0.240 |
| 21 | 95.00 | 44.40 | 44.82 | -0.951 |
| 22 | 126.0 | 51.80 | 51.46 | 0.648 |
| 23 | 160.0 | 59.30 | 58.22 | 1.81 |
| 24 | 200.0 | 66.70 | 65.05 | 2.46 |
| 25 | 200.0 | 69.00 | 67.29 | 2.46 |
| 26 | 250.0 | 73.70 | 74.50 | -1.08 |
| 27 | 320.0 | 79.80 | 82.24 | -3.06 |
| 28 | 400.0 | 86.80 | 88.76 | -2.26 |
| 29 | 500.0 | 94.60 | 94.60 | -0.00686 |
| 30 | 630.0 | 101.5 | 99.80 | 1.67 |
| 31 | 630.0 | 100.1 | 98.42 | 1.67 |
| 32 | 800.0 | 103.4 | 102.7 | 0.632 |
| 33 | 1000.0 | 106.2 | 105.9 | 0.273 |



| | | | |
|----------------------|---------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: REQ100 | Date: 6-10-90 | Azimuth: 0-45-N | |
| Equipment: SYSCALRBE | Sounding: 100 | | |

DATA SET: REQ101

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 710.00
 SOUNDING COORDINATES: X: 669600.0000 Y: 4371150.0000

DATE: 11-10-89
 SOUNDING: 101
 AZIMUTH: 0-45 -N
 EQUIPMENT: SYSCALR2L

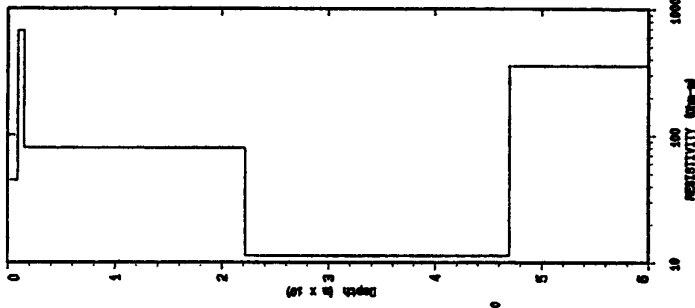
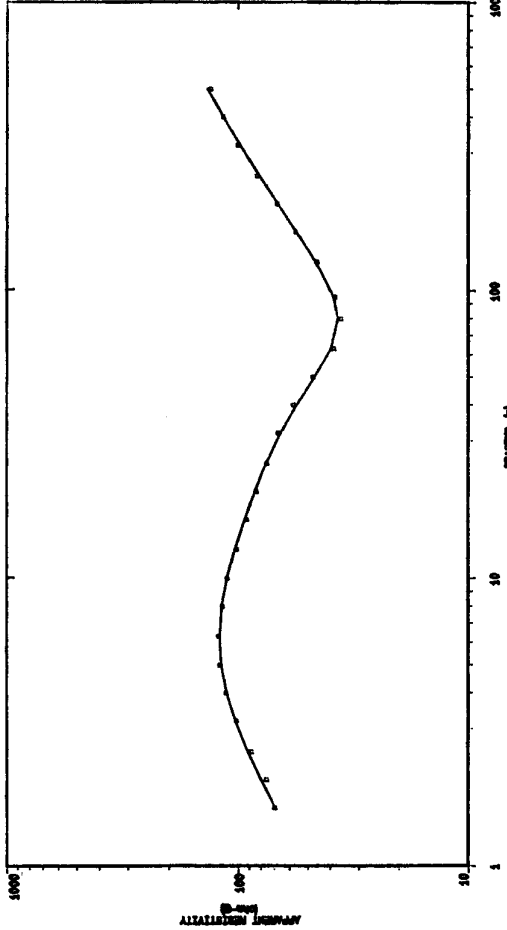
Schlumberger Configuration

FITTING ERROR: 2.068 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 710.0 | |
| 1 | 44.70 | | 0.900 | 709.0 | 0.0201 |
| 2 | 678.0 | | 0.600 | 708.5 | 8.850E-04 |
| 3 | 80.00 | | 20.70 | 687.7 | 0.258 |
| 4 | 11.40 | | 24.80 | 663.0 | 2.17 |
| 5 | 355.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 77.20 | 76.84 | 0.463 |
| 2 | 2.00 | 83.80 | 88.36 | -5.44 |
| 3 | 2.50 | 97.50 | 101.0 | -3.60 |
| 4 | 3.20 | 113.3 | 114.5 | -1.14 |
| 5 | 4.00 | 125.6 | 124.8 | 0.602 |
| 6 | 5.00 | 133.2 | 131.6 | 1.13 |
| 7 | 6.30 | 135.5 | 134.1 | 1.02 |
| 8 | 8.00 | 130.1 | 131.3 | -0.923 |
| 9 | 10.00 | 123.8 | 124.5 | -0.572 |
| 10 | 12.60 | 112.6 | 114.8 | -1.98 |
| 11 | 12.60 | 103.0 | 105.0 | -1.98 |
| 12 | 16.00 | 93.20 | 95.06 | -1.99 |
| 13 | 20.00 | 84.30 | 85.92 | -1.92 |
| 14 | 25.00 | 76.10 | 76.97 | -1.15 |
| 15 | 32.00 | 68.30 | 66.64 | 2.42 |
| 16 | 40.00 | 58.50 | 56.71 | 3.04 |
| 17 | 50.00 | 48.00 | 47.26 | 1.53 |
| 18 | 50.00 | 48.40 | 47.65 | 1.53 |
| 19 | 63.00 | 39.30 | 40.40 | -2.80 |
| 20 | 80.00 | 36.60 | 37.78 | -3.23 |
| 21 | 95.00 | 38.90 | 39.35 | -1.16 |
| 22 | 126.0 | 46.70 | 47.20 | -1.07 |
| 23 | 160.0 | 57.80 | 57.49 | 0.529 |
| 24 | 200.0 | 69.50 | 69.33 | 0.231 |
| 25 | 200.0 | 68.00 | 67.84 | 0.231 |
| 26 | 250.0 | 83.00 | 81.39 | 1.92 |
| 27 | 320.0 | 100.6 | 98.74 | 1.84 |
| 28 | 400.0 | 116.3 | 116.5 | -0.221 |
| 29 | 500.0 | 131.8 | 136.2 | -3.30 |



| | | | |
|----------------------|----------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: REQ101 | Date: 11-10-89 | | |
| Equipment: SYSCALP2E | Sounding: 101 | Azimuth: 0-45 -N | |

DATA SET: REQ102

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 700.00
 SOUNDING COORDINATES: X: 6724400.0000 Y: 4370500.0000

DATE: 10-10-89
 SOUNDING: 102
 AZIMUTH: E-20 -S
 EQUIPMENT: SYSCALR2L

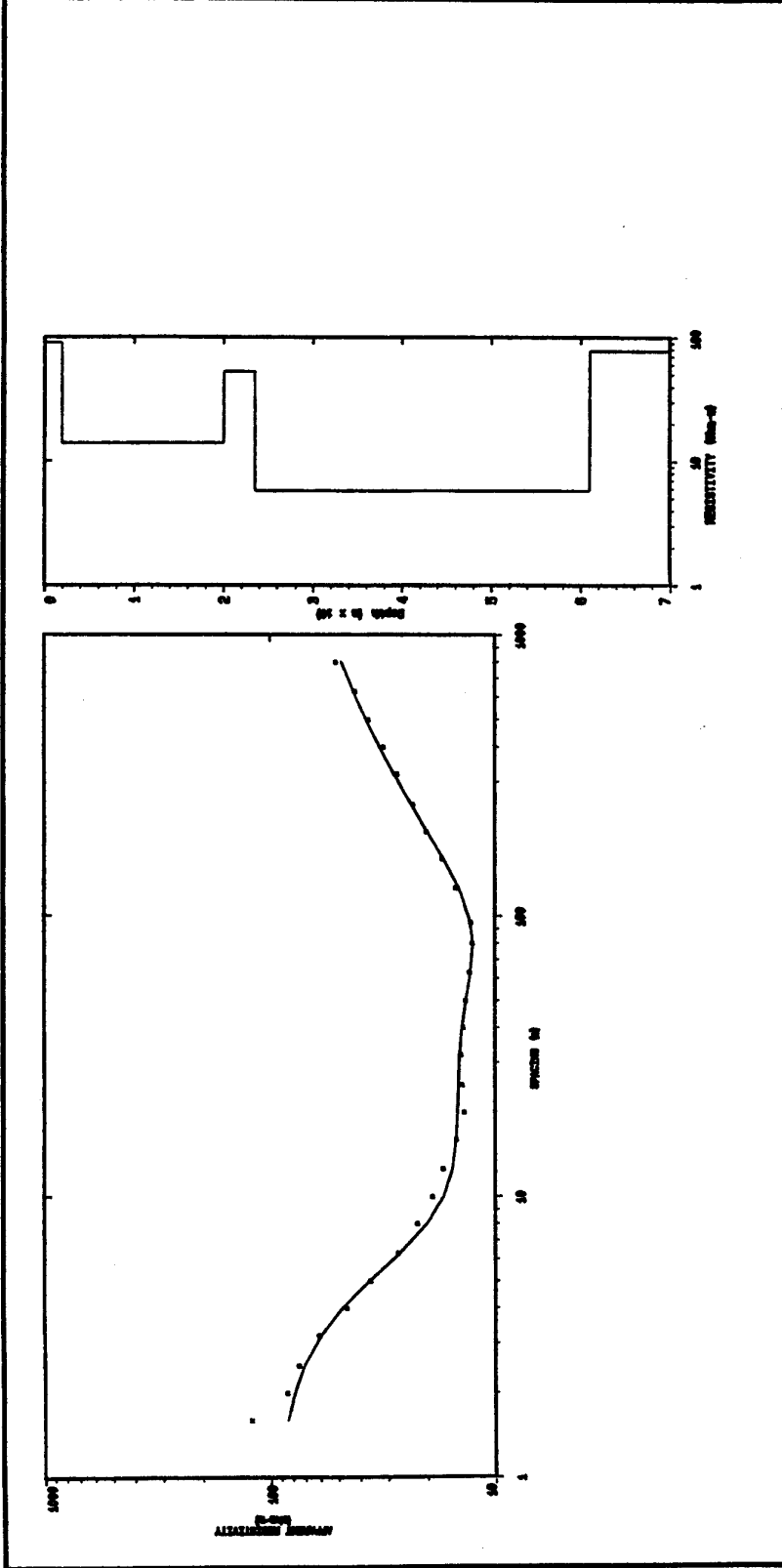
Schlumberger Configuration

FITTING ERROR: 4.745 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 700.0 | |
| 1 | 91.00 | | 1.90 | 698.0 | 0.0208 |
| 2 | 14.00 | | 18.10 | 680.0 | 1.29 |
| 3 | 50.00 | | 3.50 | 676.5 | 0.0660 |
| 4 | 5.80 | | 37.50 | 639.0 | 6.46 |
| 5 | 78.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 145.6 | 100.3 | 31.09 |
| 2 | 2.00 | 101.0 | 94.25 | 6.67 |
| 3 | 2.50 | 89.80 | 85.23 | 5.08 |
| 4 | 3.20 | 72.90 | 71.70 | 1.63 |
| 5 | 4.00 | 54.90 | 57.45 | -4.65 |
| 6 | 5.00 | 43.00 | 43.53 | -1.23 |
| 7 | 6.30 | 32.50 | 31.86 | 1.94 |
| 8 | 8.00 | 26.60 | 24.05 | 9.56 |
| 9 | 10.00 | 22.70 | 20.22 | 10.88 |
| 10 | 12.60 | 20.30 | 18.48 | 8.93 |
| 11 | 12.60 | 20.00 | 18.21 | 8.93 |
| 12 | 16.00 | 17.50 | 17.53 | -0.216 |
| 13 | 20.00 | 16.20 | 17.29 | -6.74 |
| 14 | 25.00 | 16.50 | 17.16 | -4.02 |
| 15 | 32.00 | 16.70 | 16.95 | -1.54 |
| 16 | 40.00 | 16.30 | 16.54 | -1.52 |
| 17 | 50.00 | 15.90 | 15.88 | 0.0708 |
| 18 | 50.00 | 15.10 | 15.08 | 0.0708 |
| 19 | 63.00 | 14.50 | 14.38 | 0.799 |
| 20 | 80.00 | 14.10 | 14.05 | 0.324 |
| 21 | 95.00 | 14.30 | 14.36 | -0.438 |
| 22 | 126.0 | 16.70 | 16.19 | 3.02 |
| 23 | 160.0 | 19.20 | 19.00 | 1.03 |
| 24 | 200.0 | 22.50 | 22.45 | 0.203 |
| 25 | 200.0 | 20.40 | 20.35 | 0.203 |
| 26 | 250.0 | 23.60 | 24.05 | -1.90 |
| 27 | 320.0 | 27.80 | 28.67 | -3.14 |
| 28 | 400.0 | 31.90 | 33.27 | -4.30 |
| 29 | 500.0 | 37.10 | 38.18 | -2.93 |
| 30 | 630.0 | 42.60 | 43.48 | -2.08 |
| 31 | 630.0 | 42.00 | 42.87 | -2.08 |
| 32 | 800.0 | 51.10 | 48.32 | 5.42 |



| | | | |
|----------------------|----------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: RE0102 | Date: 10-10-89 | Azimuth: E-20 -S | |
| Equipment: SYSCALP2E | Sounding: 102 | | |

DATA SET: REQ103

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 690.00
 SOUNDING COORDINATES: X: 672200.0000 Y: 4369700.0000

DATE: 10-10-89
 SOUNDING: 103
 AZIMUTH: N-31 E
 EQUIPMENT: SYSCALR2E

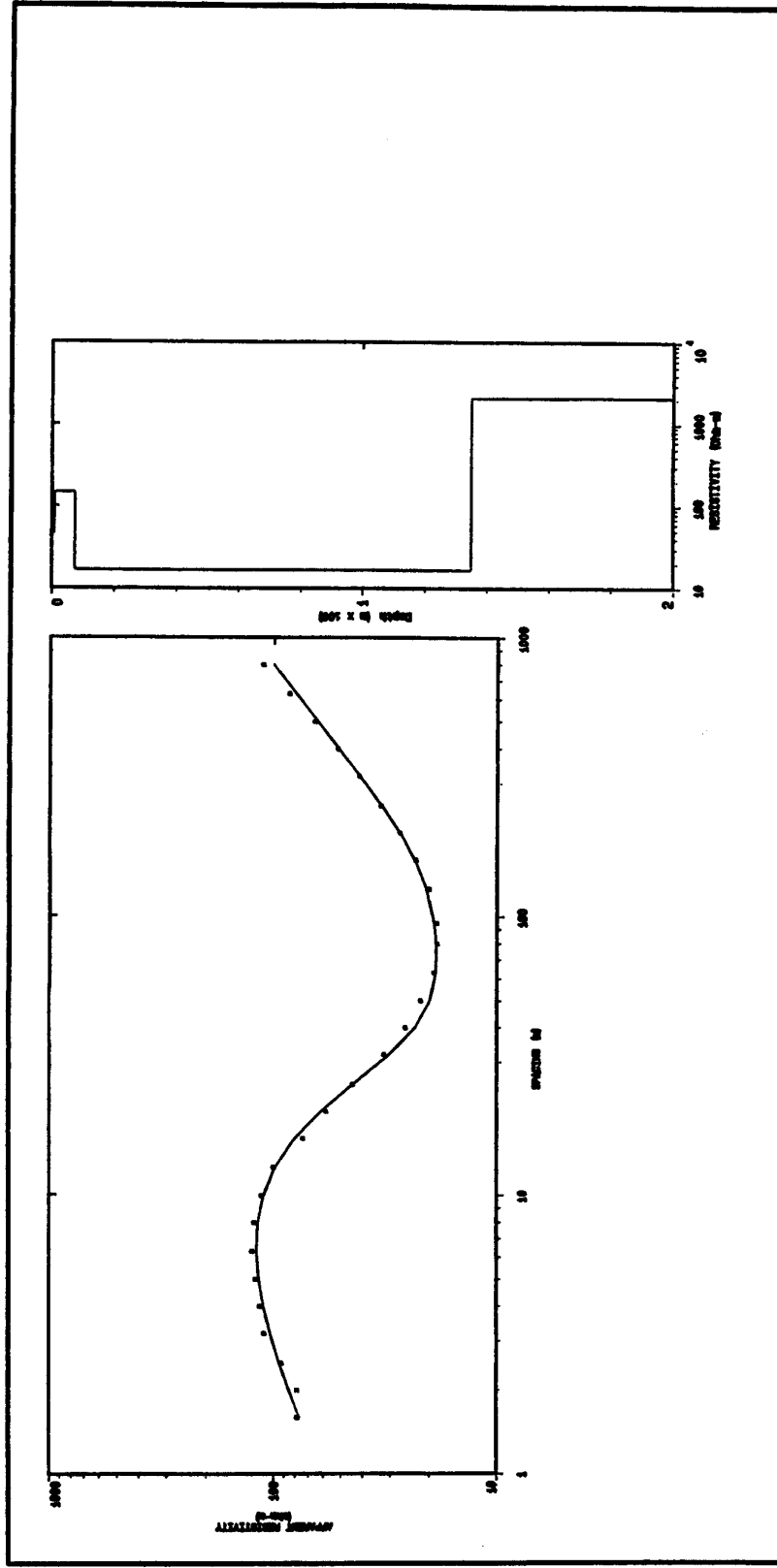
Schlumberger Configuration

FITTING ERROR: 5.045 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 690.0 | |
| 1 | 46.00 | | 0.600 | 689.4 | 0.0130 |
| 2 | 150.0 | | 6.80 | 682.6 | 0.0463 |
| 3 | 17.00 | | 127.6 | 555.0 | 7.50 |
| 4 | 2107.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 81.10 | 79.26 | 2.26 |
| 2 | 2.00 | 81.30 | 88.46 | -8.81 |
| 3 | 2.50 | 95.30 | 97.78 | -2.60 |
| 4 | 3.20 | 114.1 | 107.5 | 5.73 |
| 5 | 4.00 | 119.3 | 115.1 | 3.43 |
| 6 | 5.00 | 124.7 | 120.6 | 3.05 |
| 7 | 6.30 | 129.3 | 123.7 | 4.32 |
| 8 | 8.00 | 126.7 | 122.0 | 3.67 |
| 9 | 10.00 | 117.3 | 115.1 | 1.79 |
| 10 | 12.60 | 103.7 | 102.1 | 1.48 |
| 11 | 12.60 | 104.8 | 103.2 | 1.48 |
| 12 | 16.00 | 77.60 | 84.25 | -8.57 |
| 13 | 20.00 | 61.00 | 64.43 | -5.63 |
| 14 | 25.00 | 46.50 | 46.39 | 0.223 |
| 15 | 32.00 | 33.60 | 31.89 | 5.07 |
| 16 | 40.00 | 27.00 | 24.40 | 9.61 |
| 17 | 50.00 | 23.00 | 20.92 | 9.02 |
| 18 | 50.00 | 22.10 | 20.10 | 9.02 |
| 19 | 63.00 | 19.30 | 18.90 | 2.03 |
| 20 | 80.00 | 18.60 | 18.82 | -1.20 |
| 21 | 95.00 | 18.70 | 19.23 | -2.86 |
| 22 | 126.0 | 20.30 | 20.88 | -2.86 |
| 23 | 160.0 | 23.30 | 23.57 | -1.18 |
| 24 | 200.0 | 27.60 | 27.55 | 0.161 |
| 25 | 200.0 | 27.30 | 27.25 | 0.161 |
| 26 | 250.0 | 33.20 | 32.90 | 0.894 |
| 27 | 320.0 | 41.50 | 41.41 | 0.207 |
| 28 | 400.0 | 51.80 | 51.38 | 0.804 |
| 29 | 500.0 | 65.70 | 63.83 | 2.94 |
| 30 | 630.0 | 85.30 | 79.83 | 6.40 |
| 31 | 630.0 | 85.70 | 80.21 | 6.40 |
| 32 | 800.0 | 112.3 | 100.9 | 10.14 |



| | | | |
|----------------------|----------------|---------------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA VALENCIA | |
| Data Set: REG103 | Date: 10-10-89 | | |
| Equipment: SYSCALR2E | Sounding: 103 | Azimuth: N-31 E | |

DATA SET: REQ104

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 680.00
 SOUNDING COORDINATES: X: 673550.0000 Y: 4369550.0000

DATE: 9-10-89
 SOUNDING: 104
 AZIMUTH: N-31 E
 EQUIPMENT: SYSCALR2E

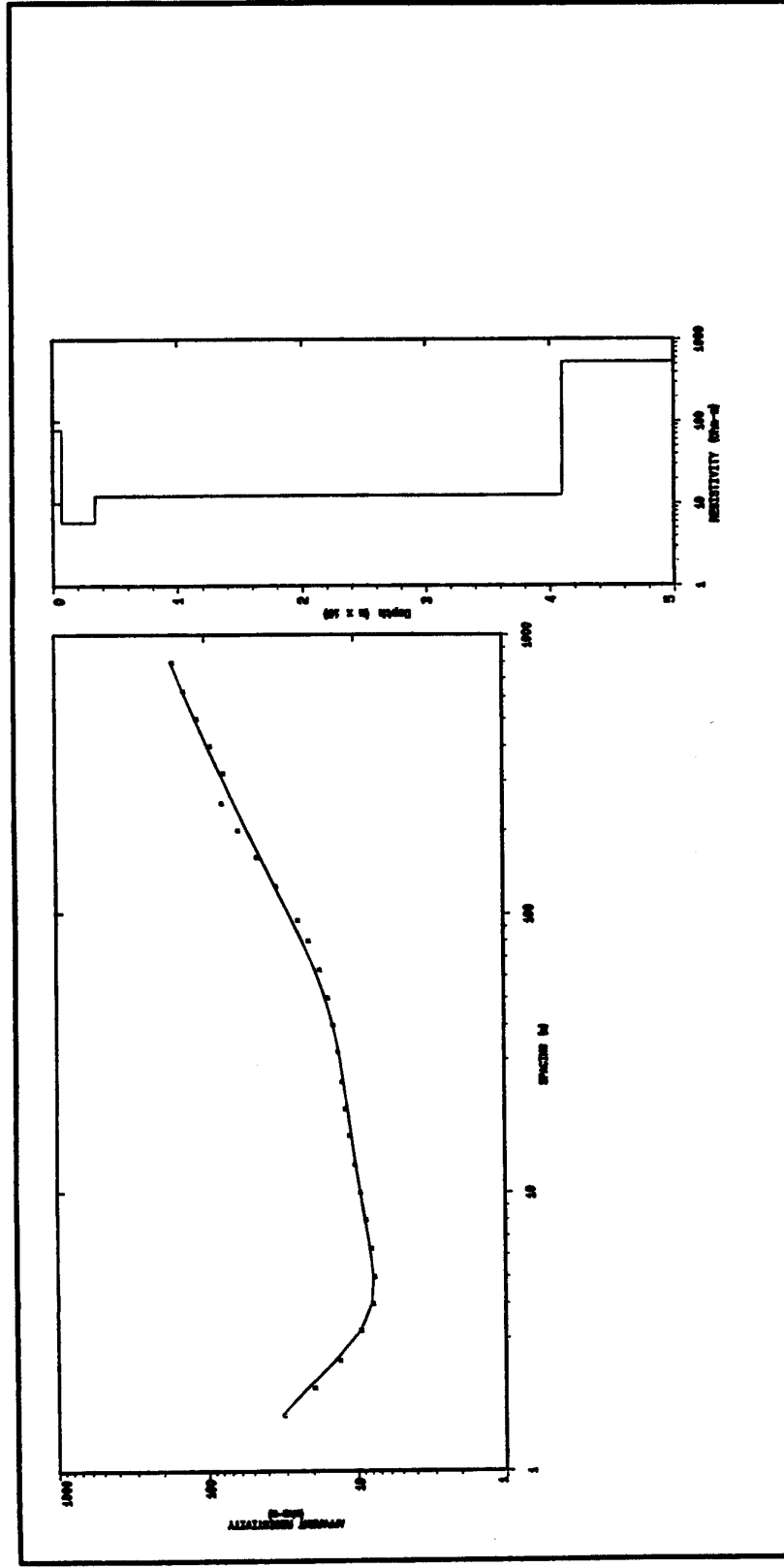
Schlumberger Configuration

FITTING ERROR: 6.695 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 680.0 | |
| 1 | 79.00 | | 0.700 | 679.2 | 0.00886 |
| 2 | 5.90 | | 2.70 | 676.5 | 0.457 |
| 3 | 12.60 | | 37.60 | 639.0 | 2.98 |
| 4 | 532.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 1.60 | 40.40 | 41.67 | -3.15 |
| 2 | 2.00 | 25.30 | 26.06 | -10.92 |
| 3 | 2.50 | 17.00 | 18.23 | -7.26 |
| 4 | 3.20 | 12.20 | 12.32 | -1.00 |
| 5 | 4.00 | 10.10 | 10.34 | -2.46 |
| 6 | 5.00 | 9.90 | 10.09 | -1.97 |
| 7 | 6.30 | 10.30 | 10.59 | -2.87 |
| 8 | 8.00 | 11.20 | 11.41 | -1.91 |
| 9 | 10.00 | 12.20 | 12.27 | -0.611 |
| 10 | 12.60 | 13.30 | 13.17 | 0.959 |
| 11 | 12.60 | 11.50 | 11.38 | 0.959 |
| 12 | 16.00 | 12.40 | 12.15 | 1.93 |
| 13 | 20.00 | 13.20 | 12.86 | 2.52 |
| 14 | 25.00 | 13.90 | 13.62 | 1.94 |
| 15 | 32.00 | 14.80 | 14.68 | 0.786 |
| 16 | 40.00 | 15.90 | 16.02 | -0.810 |
| 17 | 50.00 | 17.10 | 18.01 | -5.32 |
| 18 | 50.00 | 15.90 | 16.74 | -5.32 |
| 19 | 63.00 | 18.10 | 19.57 | -8.12 |
| 20 | 80.00 | 21.40 | 23.75 | -10.99 |
| 21 | 95.00 | 25.20 | 27.66 | -9.80 |
| 22 | 126.0 | 35.00 | 35.92 | -2.63 |
| 23 | 160.0 | 47.30 | 44.85 | 5.17 |
| 24 | 200.0 | 62.90 | 55.04 | 12.48 |
| 25 | 200.0 | 62.70 | 54.86 | 12.48 |
| 26 | 250.0 | 80.70 | 67.09 | 16.85 |
| 27 | 320.0 | 78.50 | 83.38 | -6.22 |
| 28 | 400.0 | 95.60 | 100.9 | -5.57 |
| 29 | 500.0 | 115.9 | 121.3 | -3.84 |
| 30 | 630.0 | 143.6 | 145.8 | -1.58 |
| 31 | 630.0 | 139.0 | 140.1 | -1.58 |
| 32 | 800.0 | 162.8 | 167.9 | -3.14 |



| | | | |
|------------------|----------------------|-----------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA | |
| Data Set: RE0104 | | VALENCIA | |
| Date: 9-10-89 | Equipment: SYSCALP2E | Azimuth: N-31 E | |
| Sounding: 104 | | | |

DATA SET: REQ105

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 690.00
 SOUNDING COORDINATES: X: 635700.0000 Y: 4344850.0000

DATE: 10-4-90
 SOUNDING: 105
 AZIMUTH: N-85
 EQUIPMENT: SYSCALR2E

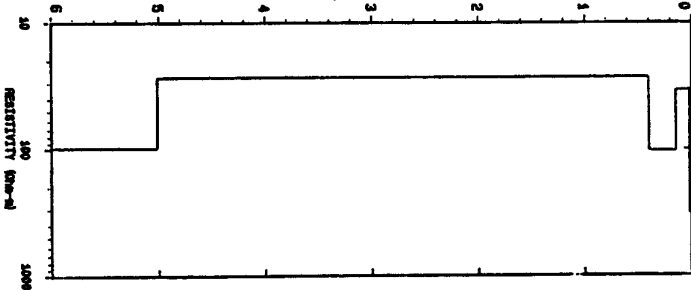
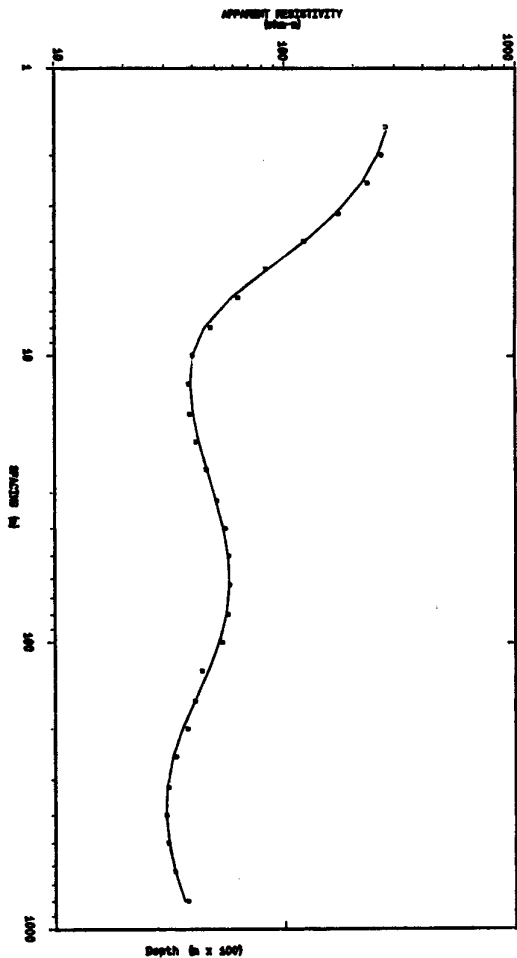
Schlumberger Configuration

FITTING ERROR: 3.180 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 690.0 | |
| 1 | 323.0 | | 1.60 | 688.4 | 0.00495 |
| 2 | 34.00 | | 12.90 | 675.5 | 0.379 |
| 3 | 104.0 | | 25.20 | 650.2 | 0.242 |
| 4 | 27.00 | | 461.2 | 189.0 | 17.08 |
| 5 | 98.00 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 1.60 | 254.7 | 259.7 | -1.99 |
| 2 | 2.00 | 244.0 | 234.9 | 3.71 |
| 3 | 2.50 | 212.1 | 200.8 | 5.30 |
| 4 | 3.20 | 159.2 | 155.2 | 2.47 |
| 5 | 4.00 | 112.6 | 113.4 | -0.799 |
| 6 | 5.00 | 76.90 | 78.63 | -2.25 |
| 7 | 6.30 | 58.30 | 54.38 | 6.70 |
| 8 | 8.00 | 44.10 | 41.49 | 5.91 |
| 9 | 10.00 | 36.80 | 36.88 | -0.241 |
| 10 | 12.60 | 35.50 | 35.95 | -1.29 |
| 11 | 12.60 | 36.20 | 36.66 | -1.29 |
| 12 | 16.00 | 36.60 | 37.73 | -3.10 |
| 13 | 20.00 | 38.80 | 40.01 | -3.13 |
| 14 | 25.00 | 43.10 | 43.28 | -0.439 |
| 15 | 32.00 | 48.00 | 47.50 | 1.02 |
| 16 | 40.00 | 52.20 | 51.08 | 2.12 |
| 17 | 50.00 | 54.00 | 53.63 | 0.680 |
| 18 | 50.00 | 53.60 | 53.23 | 0.680 |
| 19 | 63.00 | 54.20 | 54.01 | 0.336 |
| 20 | 80.00 | 53.30 | 52.39 | 1.69 |
| 21 | 100.0 | 50.10 | 48.76 | 2.67 |
| 22 | 126.0 | 40.80 | 43.57 | -6.79 |
| 23 | 160.0 | 38.00 | 37.94 | 0.149 |
| 24 | 200.0 | 35.40 | 33.52 | 5.30 |
| 25 | 200.0 | 37.50 | 35.51 | 5.30 |
| 26 | 250.0 | 33.40 | 32.29 | 3.30 |
| 27 | 320.0 | 31.00 | 30.49 | 1.63 |
| 28 | 400.0 | 30.30 | 30.20 | 0.326 |
| 29 | 500.0 | 30.80 | 30.99 | -0.631 |
| 30 | 630.0 | 32.90 | 32.95 | -0.177 |
| 31 | 630.0 | 33.20 | 33.25 | -0.177 |
| 32 | 800.0 | 37.90 | 36.62 | 3.37 |



| | | |
|----------------------|---------------|---------------|
| for: ITGE | RESISTIVIDAD | |
| by: I.T.G.E. | REQUENA | |
| Data Set: RE0105 | Date: 10-4-90 | VALENCIA |
| Equipment: SYSCALR2E | Sounding: 105 | Azimuth: N-85 |

DATA SET: 106

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 680.00
 SOUNDING COORDINATES: X: 635900.0000 Y: 4343150.0000

DATE: 10-4-90
 SOUNDING: 106
 AZIMUTH: N-45
 EQUIPMENT: SYSCALR2E

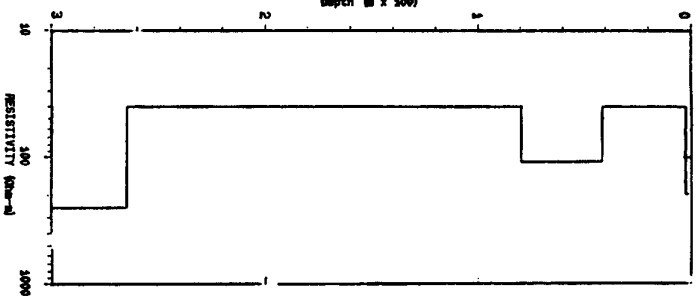
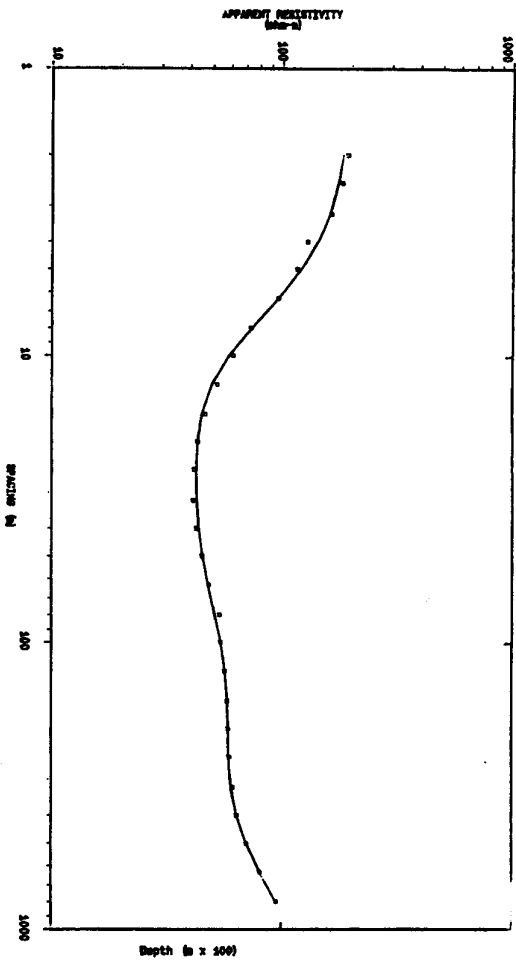
Schlumberger Configuration

FITTING ERROR: 3.178 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 680.0 | |
| 1 | 195.0 | | 2.60 | 677.4 | 0.0133 |
| 2 | 40.00 | | 39.20 | 638.2 | 0.980 |
| 3 | 109.0 | | 37.90 | 600.2 | 0.347 |
| 4 | 40.00 | | 185.3 | 415.0 | 4.63 |
| 5 | 251.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 2.00 | 192.2 | 183.4 | 4.54 |
| 2 | 2.50 | 182.5 | 175.2 | 3.95 |
| 3 | 3.20 | 163.0 | 161.0 | 1.21 |
| 4 | 4.00 | 128.8 | 142.7 | -10.81 |
| 5 | 5.00 | 115.6 | 120.2 | -4.03 |
| 6 | 6.30 | 96.00 | 95.74 | 0.269 |
| 7 | 8.00 | 72.90 | 73.50 | -0.836 |
| 8 | 10.00 | 61.10 | 58.52 | 4.20 |
| 9 | 12.60 | 52.10 | 49.26 | 5.44 |
| 10 | 12.60 | 52.60 | 49.73 | 5.44 |
| 11 | 16.00 | 46.70 | 45.02 | 3.57 |
| 12 | 20.00 | 43.30 | 43.18 | 0.274 |
| 13 | 25.00 | 41.80 | 42.57 | -1.84 |
| 14 | 32.00 | 41.40 | 42.80 | -3.40 |
| 15 | 40.00 | 42.90 | 43.79 | -2.07 |
| 16 | 50.00 | 45.50 | 45.57 | -0.172 |
| 17 | 50.00 | 44.30 | 44.37 | -0.172 |
| 18 | 63.00 | 47.50 | 47.00 | 1.04 |
| 19 | 80.00 | 52.80 | 50.31 | 4.69 |
| 20 | 100.0 | 53.30 | 53.42 | -0.229 |
| 21 | 126.0 | 55.80 | 55.96 | -0.297 |
| 22 | 160.0 | 57.40 | 57.42 | -0.0398 |
| 23 | 200.0 | 57.80 | 57.81 | -0.0333 |
| 24 | 200.0 | 57.40 | 57.41 | -0.0333 |
| 25 | 250.0 | 58.00 | 57.59 | 0.703 |
| 26 | 320.0 | 59.90 | 58.90 | 1.66 |
| 27 | 400.0 | 62.50 | 62.40 | 0.154 |
| 28 | 500.0 | 69.00 | 68.89 | 0.148 |
| 29 | 630.0 | 78.90 | 78.80 | 0.114 |
| 30 | 630.0 | 81.10 | 81.00 | 0.114 |
| 31 | 800.0 | 95.40 | 94.39 | 1.05 |



| | | |
|------------|-------------|---------------|
| for: | ITGE | |
| by: | I. T. G. E. | |
| Data Set: | 106 | Date: 10-4-90 |
| Equipment: | SYSOARZE | Sounding: 106 |

| |
|---------------|
| RESISTIVIDAD |
| REGUENA |
| VALENCIA |
| Azimuth: N-45 |

DATA SET: 107

| | |
|--|----------------------|
| CLIENT: ITGE | DATE: 3-4-90 |
| LOCATION: REQUENA | SOUNDING: 107 |
| COUNTY: VALENCIA | AZIMUTH: N-270 |
| PROJECT: RESISTIVIDAD | EQUIPMENT: SYSCALR2E |
| ELEVATION: 680.00 | |
| SOUNDING COORDINATES: X: 635950.0000 Y: 4341300.0000 | |

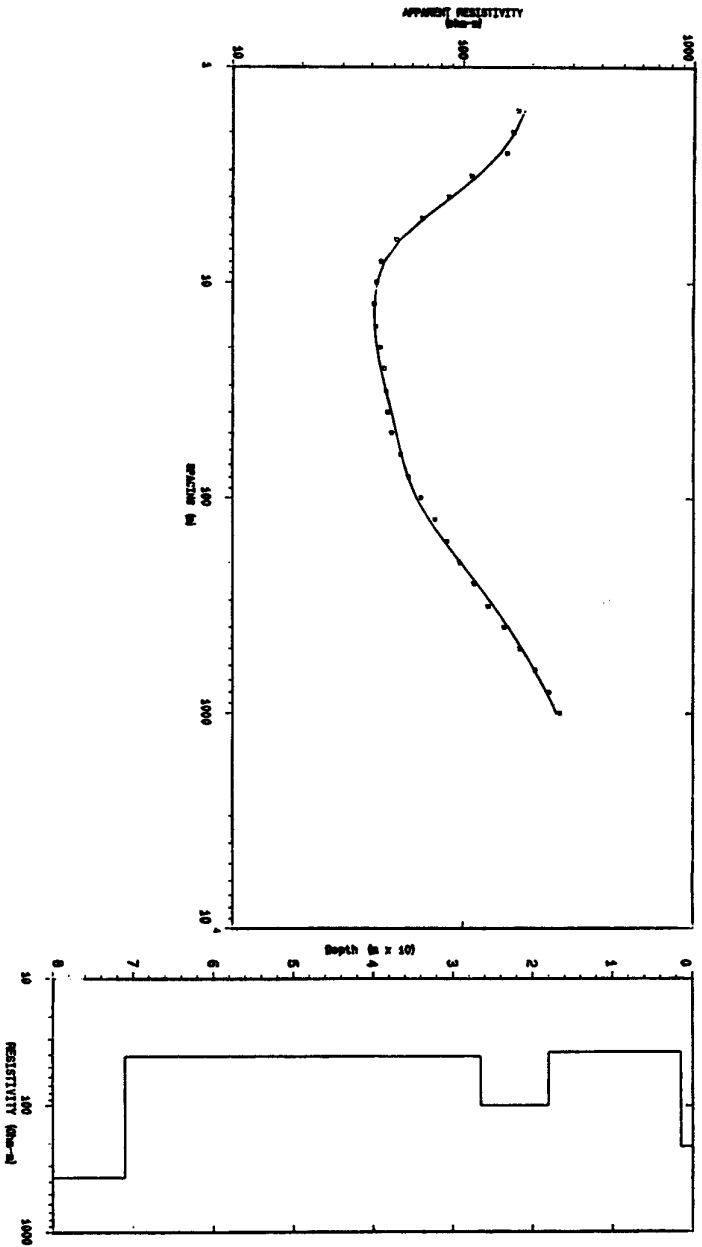
Schlumberger Configuration

FITTING ERROR: 3.579 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 680.0 | |
| 1 | 213.0 | | 1.50 | 678.5 | 0.00704 |
| 2 | 38.00 | | 16.50 | 662.0 | 0.434 |
| 3 | 100.0 | | 8.50 | 653.5 | 0.0850 |
| 4 | 41.00 | | 44.50 | 609.0 | 1.08 |
| 5 | 372.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 154.8 | 164.8 | -6.52 |
| 2 | 2.00 | 147.0 | 149.5 | -1.70 |
| 3 | 2.50 | 138.3 | 129.0 | 6.70 |
| 4 | 3.20 | 96.80 | 102.6 | -6.00 |
| 5 | 4.00 | 77.40 | 79.31 | -2.46 |
| 6 | 5.00 | 59.40 | 60.41 | -1.71 |
| 7 | 6.30 | 45.70 | 47.45 | -3.84 |
| 8 | 8.00 | 39.10 | 40.38 | -3.27 |
| 9 | 10.00 | 37.40 | 37.53 | -0.364 |
| 10 | 12.60 | 36.60 | 36.57 | 0.0770 |
| 11 | 12.60 | 41.90 | 41.86 | 0.0770 |
| 12 | 16.00 | 42.60 | 42.01 | 1.38 |
| 13 | 20.00 | 44.80 | 43.00 | 3.99 |
| 14 | 25.00 | 46.60 | 44.74 | 3.97 |
| 15 | 32.00 | 47.40 | 47.31 | 0.188 |
| 16 | 40.00 | 48.10 | 49.88 | -3.72 |
| 17 | 50.00 | 50.00 | 52.48 | -4.96 |
| 18 | 50.00 | 50.30 | 52.79 | -4.96 |
| 19 | 63.00 | 55.20 | 55.63 | -0.779 |
| 20 | 80.00 | 59.80 | 59.41 | 0.636 |
| 21 | 100.0 | 67.90 | 64.80 | 4.56 |
| 22 | 126.0 | 78.00 | 73.30 | 6.02 |
| 23 | 160.0 | 87.70 | 85.80 | 2.16 |
| 24 | 200.0 | 99.60 | 100.8 | -1.21 |
| 25 | 200.0 | 99.30 | 100.5 | -1.21 |
| 26 | 250.0 | 114.6 | 118.2 | -3.20 |
| 27 | 320.0 | 132.6 | 140.6 | -6.06 |
| 28 | 400.0 | 155.6 | 162.8 | -4.68 |
| 29 | 500.0 | 182.7 | 186.6 | -2.14 |
| 30 | 630.0 | 212.7 | 212.1 | 0.263 |
| 31 | 630.0 | 207.8 | 207.2 | 0.263 |
| 32 | 800.0 | 237.7 | 233.1 | 1.89 |
| 33 | 1000.0 | 265.3 | 256.7 | 3.26 |



for: ITGE
 by: I.T.G.E.
 Data Set: 107 Date: 3-4-90
 Equipment: SYSCALBR2 Sounding: 107

RESISTIVIDAD
 REQUENA
 VALENCIA
 Azimuth: N-270

DATA SET: REQ108

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 690.00
 SOUNDING COORDINATES: X: 637950.0000 Y: 4344900.0000

DATE: 11-4-90
 SOUNDING: 108
 AZIMUTH: N-85
 EQUIPMENT: SYSCALR2E

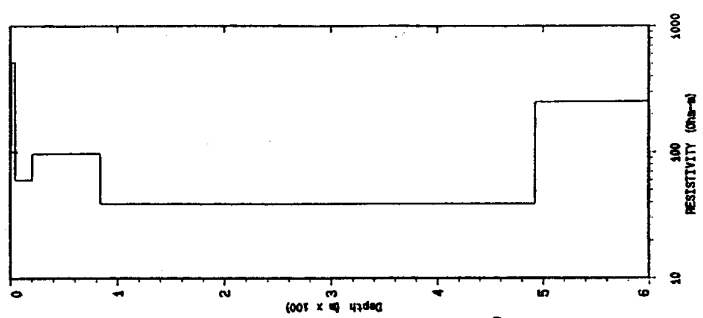
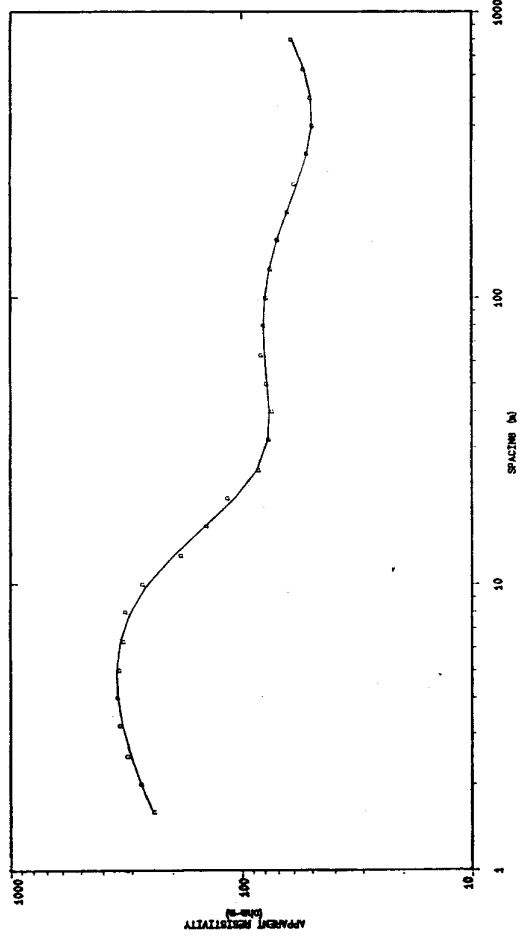
Schlumberger Configuration

FITTING ERROR: 3.101 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 690.0 | |
| 1 | 112.3 | | 0.450 | 689.5 | 0.00403 |
| 2 | 515.0 | | 3.65 | 685.8 | 0.00709 |
| 3 | 60.00 | | 16.30 | 669.5 | 0.271 |
| 4 | 97.00 | | 63.30 | 606.2 | 0.652 |
| 5 | 39.00 | | 408.7 | 197.5 | 10.48 |
| 6 | 253.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 204.6 | 207.4 | -1.39 |
| 2 | 2.00 | 231.8 | 233.0 | -0.494 |
| 3 | 2.50 | 266.6 | 257.5 | 3.41 |
| 4 | 3.20 | 287.8 | 280.3 | 2.61 |
| 5 | 4.00 | 295.5 | 293.9 | 0.527 |
| 6 | 5.00 | 289.7 | 297.1 | -2.55 |
| 7 | 6.30 | 276.2 | 285.8 | -3.47 |
| 8 | 8.00 | 271.5 | 257.0 | 5.33 |
| 9 | 10.00 | 228.6 | 216.5 | 5.28 |
| 10 | 12.60 | 156.8 | 168.2 | -7.21 |
| 11 | 12.60 | 176.3 | 189.1 | -7.21 |
| 12 | 16.00 | 136.8 | 137.5 | -0.554 |
| 13 | 20.00 | 110.6 | 102.4 | 7.34 |
| 14 | 25.00 | 81.10 | 82.41 | -1.62 |
| 15 | 32.00 | 73.60 | 73.88 | -0.383 |
| 16 | 40.00 | 71.20 | 73.01 | -2.54 |
| 17 | 50.00 | 75.20 | 74.54 | 0.870 |
| 18 | 50.00 | 76.90 | 76.23 | 0.870 |
| 19 | 63.00 | 81.20 | 78.08 | 3.84 |
| 20 | 80.00 | 79.20 | 78.90 | 0.373 |
| 21 | 100.0 | 77.30 | 77.91 | -0.798 |
| 22 | 126.0 | 74.00 | 74.67 | -0.908 |
| 23 | 160.0 | 69.00 | 69.07 | -0.112 |
| 24 | 200.0 | 62.40 | 62.63 | -0.372 |
| 25 | 200.0 | 63.40 | 63.63 | -0.372 |
| 26 | 250.0 | 59.20 | 57.22 | 3.34 |
| 27 | 320.0 | 52.30 | 51.86 | 0.834 |
| 28 | 400.0 | 49.40 | 49.54 | -0.302 |
| 29 | 500.0 | 50.50 | 50.03 | 0.924 |
| 30 | 630.0 | 54.10 | 53.59 | 0.940 |
| 31 | 630.0 | 54.50 | 53.98 | 0.940 |
| 32 | 800.0 | 61.60 | 60.95 | 1.04 |



| | | | |
|------------------|----------------------|---------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA | |
| Data Set: REQ108 | | VALENCIA | |
| Date: 11-4-90 | Equipment: SYSCALR2E | Azimuth: N-85 | |
| Sounding: 108 | | | |

DATA SET: 109

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 690.00
 SOUNDING COORDINATES: X: 638050.0000 Y: 4343300.0000

DATE: 5-4-90
 SOUNDING: 109
 AZIMUTH: N-95
 EQUIPMENT: SYSCALR2E

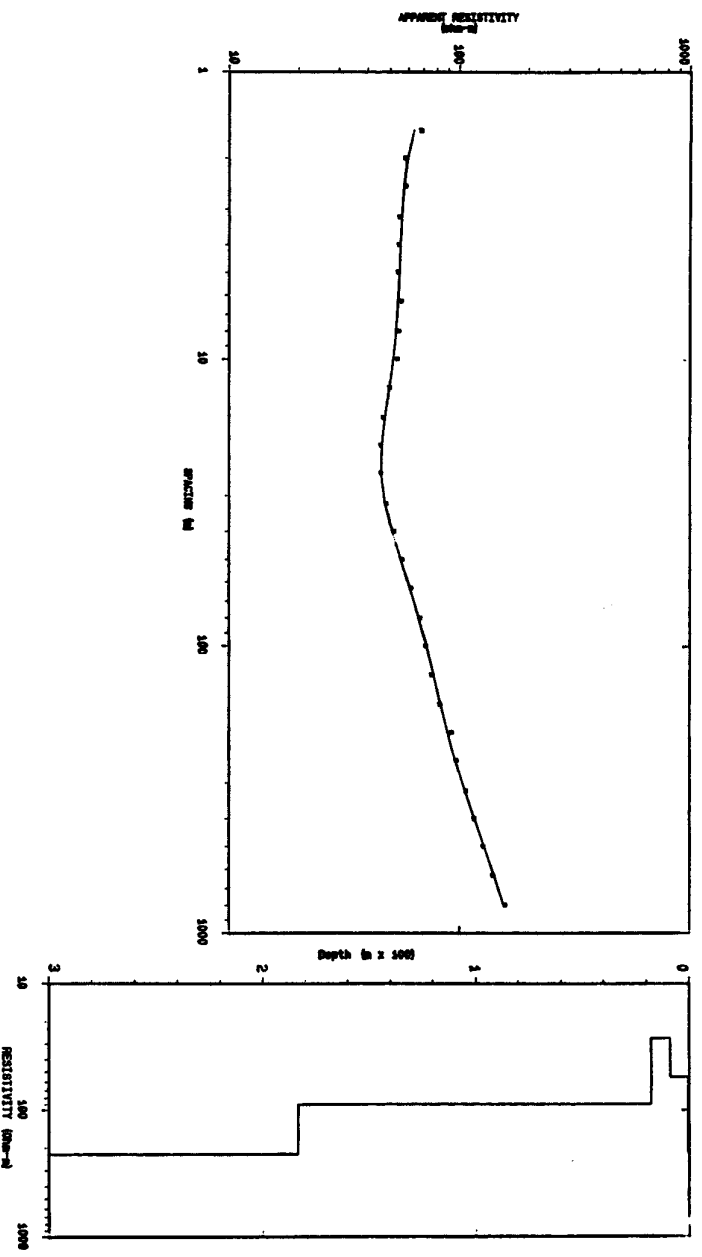
Schlumberger Configuration

FITTING ERROR: 2.354 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANC (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|-------------------------|
| | | | | 690.0 | |
| 1 | 220.0 | | 0.300 | 689.7 | 0.0013e |
| 2 | 55.00 | | 8.50 | 681.2 | 0.154 |
| 3 | 27.00 | | 8.90 | 672.2 | 0.329 |
| 4 | 90.00 | | 165.7 | 506.5 | 1.84 |
| 5 | 225.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 61.80 | 57.43 | 7.07 |
| 2 | 2.00 | 52.70 | 53.77 | -2.04 |
| 3 | 2.50 | 52.80 | 51.91 | 1.66 |
| 4 | 3.20 | 49.60 | 50.80 | -2.42 |
| 5 | 4.00 | 49.30 | 50.14 | -1.71 |
| 6 | 5.00 | 48.90 | 49.57 | -1.38 |
| 7 | 6.30 | 50.60 | 48.88 | 3.38 |
| 8 | 8.00 | 49.40 | 47.88 | 3.06 |
| 9 | 10.00 | 48.50 | 46.56 | 3.98 |
| 10 | 12.60 | 44.90 | 44.81 | 0.199 |
| 11 | 12.60 | 46.60 | 46.50 | 0.199 |
| 12 | 16.00 | 43.80 | 44.46 | -1.52 |
| 13 | 20.00 | 42.70 | 43.03 | -0.784 |
| 14 | 25.00 | 42.80 | 42.80 | -0.00534 |
| 15 | 32.00 | 45.10 | 44.53 | 1.25 |
| 16 | 40.00 | 48.80 | 47.84 | 1.96 |
| 17 | 50.00 | 53.10 | 52.28 | 1.53 |
| 18 | 50.00 | 53.60 | 52.77 | 1.53 |
| 19 | 63.00 | 58.60 | 57.97 | 1.06 |
| 20 | 80.00 | 64.20 | 63.44 | 1.18 |
| 21 | 100.0 | 67.90 | 68.42 | -0.780 |
| 22 | 126.0 | 72.00 | 73.50 | -2.09 |
| 23 | 160.0 | 78.30 | 78.89 | -0.755 |
| 24 | 200.0 | 88.00 | 84.45 | 4.02 |
| 25 | 200.0 | 94.20 | 90.40 | 4.02 |
| 26 | 250.0 | 98.40 | 97.49 | 0.917 |
| 27 | 320.0 | 108.4 | 107.2 | 1.03 |
| 28 | 400.0 | 118.0 | 118.0 | -0.0787 |
| 29 | 500.0 | 129.2 | 130.4 | -0.999 |
| 30 | 630.0 | 142.5 | 144.3 | -1.26 |
| 31 | 630.0 | 140.8 | 142.5 | -1.26 |
| 32 | 800.0 | 159.5 | 156.8 | 1.67 |



| | | |
|------------|-------------|---------------|
| for: | ITGE | |
| by: | I. T. G. E. | |
| Data Set: | 109 | Date: 5-4-90 |
| Equipment: | SYSCALR2E | Sounding: 109 |

| | |
|--------------|------|
| RESISTIVIDAD | |
| REQUENA | |
| VALENCIA | |
| Azimuth: | N-95 |

DATA SET: 110

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 690.00
 SOUNDING COORDINATES: X: 638150.0000 Y: 4341700.0000

DATE: 3-4-90
 SOUNDING: 110
 AZIMUTH: N-240
 EQUIPMENT: SYSCALR2E

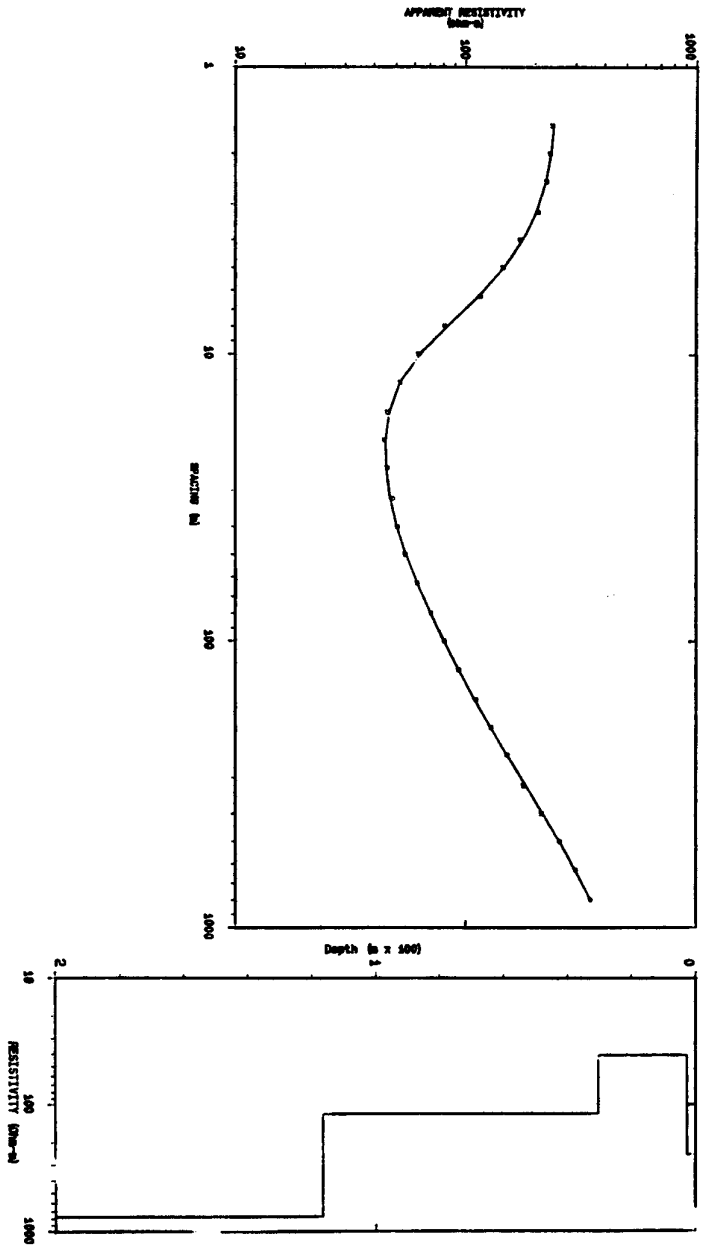
Schlumberger Configuration

FITTING ERROR: 1.295 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 690.0 | |
| 1 | 249.0 | | 2.60 | 687.4 | 0.0104 |
| 2 | 40.70 | | 27.70 | 659.7 | 0.680 |
| 3 | 119.0 | | 86.20 | 573.5 | 0.724 |
| 4 | 772.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 1.60 | 225.1 | 227.8 | -1.22 |
| 2 | 2.00 | 220.1 | 221.4 | -0.599 |
| 3 | 2.50 | 212.7 | 210.6 | 0.940 |
| 4 | 3.20 | 196.3 | 192.0 | 2.18 |
| 5 | 4.00 | 163.6 | 168.1 | -2.76 |
| 6 | 5.00 | 137.8 | 138.8 | -0.791 |
| 7 | 6.30 | 109.2 | 107.1 | 1.83 |
| 8 | 8.00 | 76.90 | 78.83 | -2.51 |
| 9 | 10.00 | 59.30 | 60.14 | -1.42 |
| 10 | 12.60 | 49.30 | 49.05 | 0.492 |
| 11 | 12.60 | 54.40 | 54.13 | 0.492 |
| 12 | 16.00 | 47.80 | 48.52 | -1.50 |
| 13 | 20.00 | 46.40 | 46.88 | -1.05 |
| 14 | 25.00 | 47.70 | 47.13 | 1.18 |
| 15 | 32.00 | 50.60 | 49.09 | 2.97 |
| 16 | 40.00 | 52.90 | 52.49 | 0.774 |
| 17 | 50.00 | 57.30 | 57.60 | -0.524 |
| 18 | 50.00 | 57.10 | 57.39 | -0.524 |
| 19 | 63.00 | 64.30 | 64.50 | -0.324 |
| 20 | 80.00 | 74.00 | 73.77 | 0.310 |
| 21 | 100.0 | 84.40 | 84.25 | 0.173 |
| 22 | 126.0 | 97.50 | 97.38 | 0.113 |
| 23 | 160.0 | 115.5 | 114.2 | 1.07 |
| 24 | 200.0 | 134.7 | 134.0 | 0.489 |
| 25 | 200.0 | 139.8 | 139.1 | 0.489 |
| 26 | 250.0 | 164.7 | 164.5 | 0.119 |
| 27 | 320.0 | 194.1 | 198.7 | -2.39 |
| 28 | 400.0 | 231.5 | 235.2 | -1.63 |
| 29 | 500.0 | 276.7 | 276.8 | -0.0128 |
| 30 | 630.0 | 325.3 | 324.6 | 0.227 |
| 31 | 630.0 | 301.2 | 300.5 | 0.227 |
| 32 | 800.0 | 350.0 | 350.2 | -0.0735 |



for: ITGE
 by: I.T.G.E.
 Data Set: 110 Date: 3-4-90
 Equipment: sysCALR2E Sounding: 110

RESISTIVIDAD
 REQUENA
 VALENCIA
 Azimuth: N-240

DATA SET: 111

CLIENT: ITGE
LOCATION: REQUENA
COUNTY: VALENCIA
PROJECT: RESISTIVIDAD
ELEVATION: 680.00
SOUNDING COORDINATES: X: 639250.0000 Y: 4343450.0000

DATE: 5-4-90
SOUNDING: 111
AZIMUTH: N-90
EQUIPMENT: SYSCALR2E

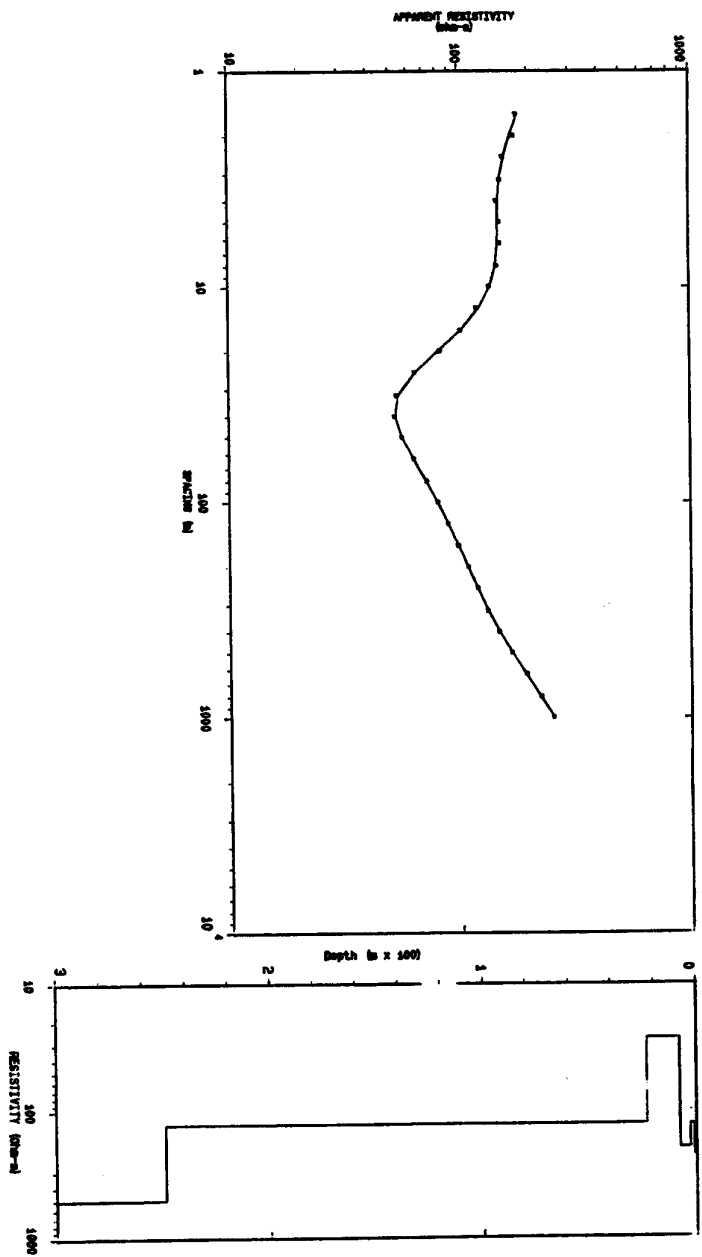
Schlumberger Configuration

FITTING ERROR: 1.186 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTAN: (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|-------------------------|
| | | | | 680.0 | |
| 1 | 235.0 | | 0.700 | 679.2 | 0.0029 |
| 2 | 129.0 | | 2.00 | 677.2 | 0.0155 |
| 3 | 198.0 | | 4.90 | 672.3 | 0.0247 |
| 4 | 27.00 | | 15.50 | 656.8 | 0.574 |
| 5 | 128.0 | | 225.8 | 430.9 | 1.76 |
| 6 | 505.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 157.3 | 159.3 | -1.22 |
| 2 | 2.00 | 152.3 | 147.7 | 3.05 |
| 3 | 2.50 | 136.7 | 138.5 | -1.36 |
| 4 | 3.20 | 133.2 | 132.4 | 0.570 |
| 5 | 4.00 | 128.6 | 130.3 | -1.34 |
| 6 | 5.00 | 131.8 | 130.1 | 1.30 |
| 7 | 6.30 | 132.7 | 129.9 | 2.07 |
| 8 | 8.00 | 128.3 | 126.9 | 1.01 |
| 9 | 10.00 | 118.6 | 119.7 | -0.938 |
| 10 | 12.60 | 104.0 | 106.6 | -2.58 |
| 11 | 12.60 | 115.7 | 118.6 | -2.58 |
| 12 | 16.00 | 98.60 | 98.64 | -0.0463 |
| 13 | 20.00 | 80.30 | 78.97 | 1.64 |
| 14 | 25.00 | 62.40 | 62.86 | -0.744 |
| 15 | 32.00 | 52.00 | 52.85 | -1.65 |
| 16 | 40.00 | 50.90 | 51.27 | -0.741 |
| 17 | 50.00 | 54.80 | 54.90 | -0.196 |
| 18 | 50.00 | 57.40 | 57.51 | -0.196 |
| 19 | 63.00 | 64.60 | 64.60 | -0.00292 |
| 20 | 80.00 | 73.50 | 73.33 | 0.219 |
| 21 | 100.0 | 82.10 | 81.97 | 0.152 |
| 22 | 126.0 | 90.80 | 91.13 | -0.373 |
| 23 | 160.0 | 100.1 | 100.8 | -0.752 |
| 24 | 200.0 | 110.6 | 110.4 | 0.176 |
| 25 | 200.0 | 112.6 | 112.4 | 0.176 |
| 26 | 250.0 | 123.1 | 123.1 | -0.0707 |
| 27 | 320.0 | 136.8 | 137.4 | -0.435 |
| 28 | 400.0 | 152.5 | 153.8 | -0.859 |
| 29 | 500.0 | 172.8 | 174.2 | -0.785 |
| 30 | 630.0 | 200.6 | 200.0 | 0.285 |
| 31 | 630.0 | 193.6 | 193.0 | 0.285 |
| 32 | 800.0 | 223.7 | 222.8 | 0.368 |
| 33 | 1000.0 | 251.8 | 253.4 | -0.655 |



for: ITGE
 by: I. T. G. E.
 Data Set: 111 Date: 5-4-90
 Equipment: SYSCALR2E Sounding: 111

RESISTIVIDAD
 REQUENA
 VALENCIA
 Azimuth: N-90

DATA SET: REQ112

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 680.00
 SOUNDING COORDINATES: X: 640700.0000 Y: 4345250.0000

DATE: 2-4-90
 SOUNDING: 112
 AZIMUTH: N-70
 EQUIPMENT: SYSCALR2E

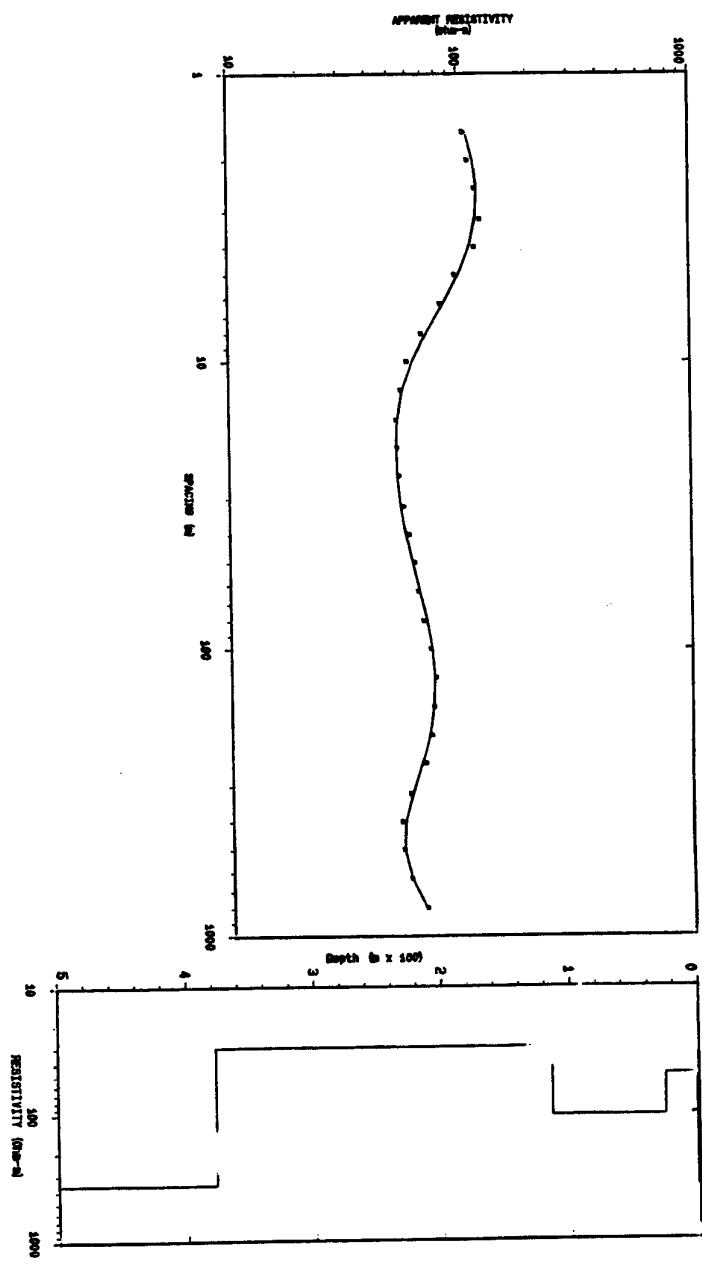
Schlumberger Configuration

FITTING ERROR: 2.943 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 680.0 | |
| 1 | 34.00 | | 0.300 | 679.7 | 0.00882 |
| 2 | 374.0 | | 0.700 | 679.0 | 0.00187 |
| 3 | 49.00 | | 25.00 | 654.0 | 0.510 |
| 4 | 104.0 | | 88.00 | 566.0 | 0.846 |
| 5 | 30.00 | | 263.0 | 303.0 | 8.76 |
| 6 | 360.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 97.40 | 100.2 | -2.89 |
| 2 | 2.00 | 102.0 | 107.9 | -5.82 |
| 3 | 2.50 | 109.3 | 111.7 | -2.26 |
| 4 | 3.20 | 115.3 | 110.1 | 4.43 |
| 5 | 4.00 | 108.6 | 103.2 | 4.92 |
| 6 | 5.00 | 89.00 | 92.23 | -3.63 |
| 7 | 6.30 | 76.90 | 78.98 | -2.71 |
| 8 | 8.00 | 63.30 | 66.42 | -4.93 |
| 9 | 10.00 | 54.60 | 57.70 | -5.68 |
| 10 | 12.60 | 51.30 | 52.18 | -1.71 |
| 11 | 12.60 | 46.70 | 47.50 | -1.71 |
| 12 | 16.00 | 44.50 | 45.01 | -1.15 |
| 13 | 20.00 | 44.90 | 44.31 | 1.30 |
| 14 | 25.00 | 45.80 | 44.69 | 2.41 |
| 15 | 32.00 | 47.80 | 46.20 | 3.32 |
| 16 | 40.00 | 50.30 | 48.58 | 3.40 |
| 17 | 50.00 | 53.10 | 51.81 | 2.42 |
| 18 | 50.00 | 65.80 | 64.20 | 2.42 |
| 19 | 63.00 | 67.90 | 69.01 | -1.64 |
| 20 | 80.00 | 71.30 | 73.89 | -3.64 |
| 21 | 100.0 | 76.10 | 77.49 | -1.83 |
| 22 | 126.0 | 80.40 | 79.37 | 1.28 |
| 23 | 160.0 | 78.60 | 78.55 | 0.0521 |
| 24 | 200.0 | 76.50 | 75.03 | 1.91 |
| 25 | 200.0 | 75.80 | 74.34 | 1.91 |
| 26 | 250.0 | 71.10 | 68.75 | 3.29 |
| 27 | 320.0 | 60.70 | 61.93 | -2.02 |
| 28 | 400.0 | 55.70 | 57.49 | -3.22 |
| 29 | 500.0 | 56.50 | 56.75 | -0.451 |
| 30 | 630.0 | 60.80 | 60.96 | -0.272 |
| 31 | 630.0 | 59.10 | 59.26 | -0.272 |
| 32 | 800.0 | 68.90 | 68.48 | 0.596 |



| | |
|------------|-----------|
| for: | ITGE |
| by: | I.T.G.E. |
| Data Set: | REQ112 |
| Equipment: | SYSCALR2E |
| Date: | 2-4-90 |
| Sounding: | 112 |

| |
|---------------|
| RESISTIVIDAD |
| REQUENA |
| VALENCIA |
| Azimuth: N-70 |

DATA SET: REQ113

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 690.00
 SOUNDING COORDINATES: X: 640900.0000 Y: 4343900.0000

DATE: 2-4-90
 SOUNDING: 113
 AZIMUTH: N-70
 EQUIPMENT: SYSCALR2E

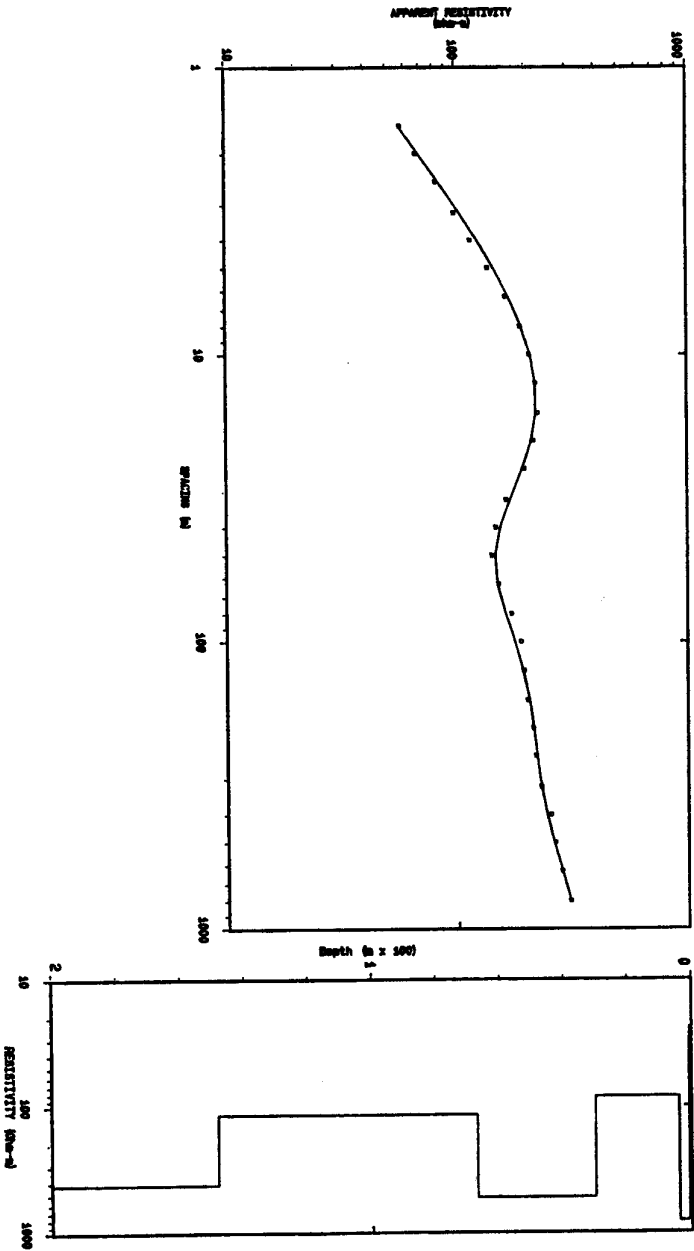
Schlumberger Configuration

FITTING ERROR: 3.121 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 690.0 | |
| 1 | 23.00 | | 0.600 | 689.4 | 0.0260 |
| 2 | 822.0 | | 3.20 | 686.2 | 0.00389 |
| 3 | 84.50 | | 26.20 | 660.0 | 0.310 |
| 4 | 529.5 | | 37.00 | 623.0 | 0.0698 |
| 5 | 117.0 | | 81.00 | 542.0 | 0.692 |
| 6 | 420.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 57.10 | 56.41 | 1.20 |
| 2 | 2.00 | 66.90 | 68.91 | -3.01 |
| 3 | 2.50 | 81.70 | 83.81 | -2.58 |
| 4 | 3.20 | 97.80 | 103.1 | -5.48 |
| 5 | 4.00 | 114.9 | 123.1 | -7.16 |
| 6 | 5.00 | 136.5 | 144.9 | -6.16 |
| 7 | 6.30 | 162.7 | 168.2 | -3.38 |
| 8 | 8.00 | 189.0 | 190.8 | -0.992 |
| 9 | 10.00 | 206.0 | 208.0 | -0.978 |
| 10 | 12.60 | 219.0 | 218.5 | 0.193 |
| 11 | 12.60 | 264.2 | 263.7 | 0.193 |
| 12 | 16.00 | 270.7 | 264.4 | 2.30 |
| 13 | 20.00 | 257.7 | 252.6 | 1.94 |
| 14 | 25.00 | 235.3 | 231.3 | 1.65 |
| 15 | 32.00 | 195.8 | 203.8 | -4.07 |
| 16 | 40.00 | 176.0 | 183.8 | -4.46 |
| 17 | 50.00 | 169.5 | 174.9 | -3.19 |
| 18 | 50.00 | 164.2 | 169.4 | -3.19 |
| 19 | 63.00 | 175.3 | 173.5 | 0.977 |
| 20 | 80.00 | 199.2 | 188.4 | 5.39 |
| 21 | 100.0 | 219.3 | 206.4 | 5.85 |
| 22 | 126.0 | 225.2 | 224.2 | 0.428 |
| 23 | 160.0 | 233.5 | 238.6 | -2.21 |
| 24 | 200.0 | 246.5 | 248.2 | -0.727 |
| 25 | 200.0 | 249.6 | 251.4 | -0.727 |
| 26 | 250.0 | 256.3 | 259.3 | -1.15 |
| 27 | 320.0 | 269.3 | 269.9 | -0.206 |
| 28 | 400.0 | 296.1 | 284.4 | 3.93 |
| 29 | 500.0 | 308.3 | 304.6 | 1.20 |
| 30 | 630.0 | 329.2 | 330.2 | -0.304 |
| 31 | 630.0 | 282.2 | 283.0 | -0.304 |
| 32 | 800.0 | 307.2 | 307.2 | -0.0321 |



| | |
|----------------------|---------------|
| for: ITGE | RESISTIVIDAD |
| by: I.T.G.E. | REQUENA |
| Data Set: REQ113 | VALENCIA |
| Equipment: SYSCALPEE | Azimuth: N-70 |
| Date: 2-4-90 | |
| Sounding: 113 | |

DATA SET: REQ114

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 690.00
 SOUNDING COORDINATES: X: 641150.0000 Y: 4342100.0000

DATE: 20-3-90
 SOUNDING: 114
 AZIMUTH: N-70
 EQUIPMENT: SYSCALR2E

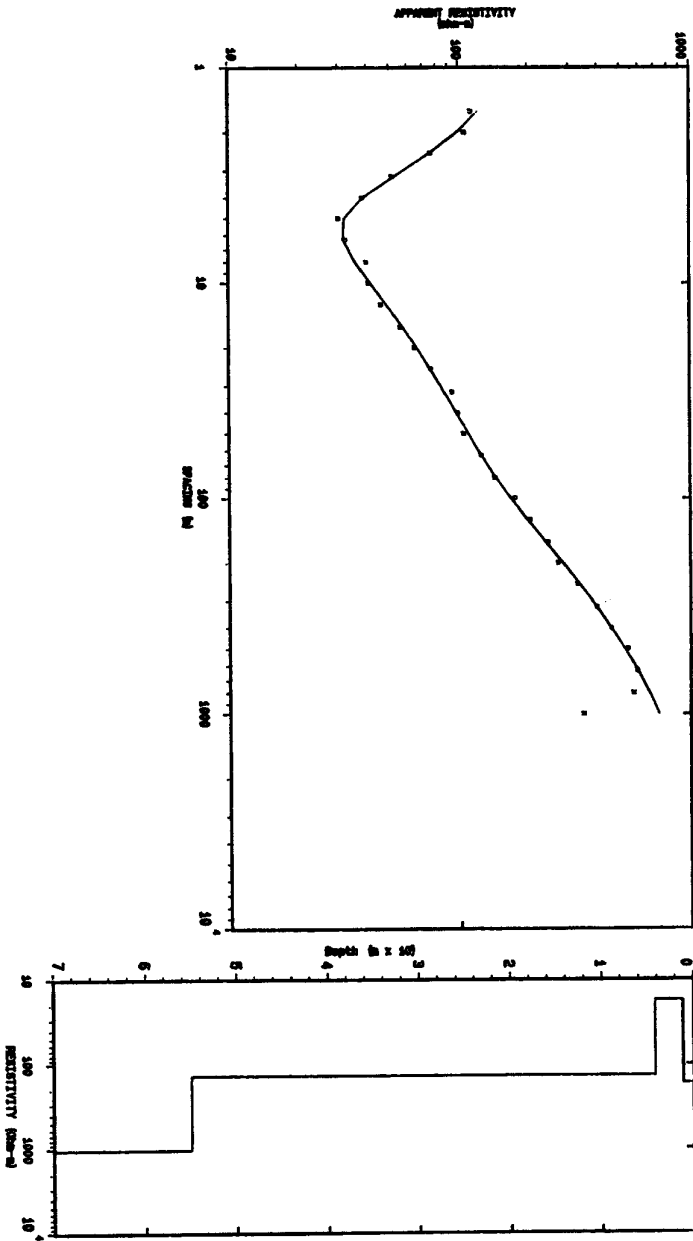
Schlumberger Configuration

FITTING ERROR: 4.251 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 690.0 | |
| 1 | 169.8 | | 1.10 | 688.9 | 0.00647 |
| 2 | 17.50 | | 3.10 | 685.8 | 0.177 |
| 3 | 137.5 | | 50.80 | 635.0 | 0.369 |
| 4 | 1043.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 110.5 | 118.1 | -6.88 |
| 2 | 2.00 | 103.3 | 96.52 | 6.55 |
| 3 | 2.50 | 73.70 | 73.38 | 0.422 |
| 4 | 3.20 | 50.30 | 51.01 | -1.42 |
| 5 | 4.00 | 37.32 | 37.44 | -0.332 |
| 6 | 5.00 | 29.50 | 31.18 | -5.69 |
| 7 | 6.30 | 31.60 | 30.91 | 2.15 |
| 8 | 8.00 | 38.80 | 34.79 | 10.31 |
| 9 | 10.00 | 39.60 | 40.48 | -2.23 |
| 10 | 12.60 | 44.80 | 47.61 | -6.28 |
| 11 | 12.60 | 42.46 | 45.12 | -6.28 |
| 12 | 16.00 | 51.60 | 53.03 | -2.78 |
| 13 | 20.00 | 59.50 | 61.13 | -2.75 |
| 14 | 25.00 | 70.00 | 69.83 | 0.235 |
| 15 | 32.00 | 86.40 | 80.16 | 7.21 |
| 16 | 40.00 | 91.40 | 90.31 | 1.18 |
| 17 | 50.00 | 97.00 | 101.6 | -4.80 |
| 18 | 50.00 | 98.10 | 102.8 | -4.80 |
| 19 | 63.00 | 116.5 | 116.8 | -0.272 |
| 20 | 80.00 | 133.2 | 134.9 | -1.29 |
| 21 | 100.0 | 163.7 | 156.6 | 4.29 |
| 22 | 126.0 | 189.3 | 185.3 | 2.14 |
| 23 | 160.0 | 226.7 | 222.2 | 1.96 |
| 24 | 200.0 | 250.6 | 263.3 | -5.08 |
| 25 | 200.0 | 247.0 | 259.5 | -5.08 |
| 26 | 250.0 | 298.8 | 306.0 | -2.37 |
| 27 | 320.0 | 362.3 | 363.6 | -0.345 |
| 28 | 400.0 | 420.5 | 420.6 | -0.0252 |
| 29 | 500.0 | 496.0 | 481.0 | 3.01 |
| 30 | 630.0 | 542.0 | 545.6 | -0.676 |
| 31 | 630.0 | 588.7 | 592.7 | -0.676 |
| 32 | 800.0 | 567.0 | 665.4 | -17.33 |
| 33 | 1000.0 | 344.3 | 730.8 | -112.2 |



| | | | |
|----------------------|--|---------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA | |
| Data Set: RE0114 | | VALENCIA | |
| Equipment: SYSCALPEE | | Azimuth: N-70 | |
| Date: 20-3-90 | | | |
| Sounding: 114 | | | |

DATA SET: REQ115

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 690.00
 SOUNDING COORDINATES: X: 642500.0000 Y: 4344150.0000

DATE: 20-3-90
 SOUNDING: 115
 AZIMUTH: N-80
 EQUIPMENT: SYSCALR2E

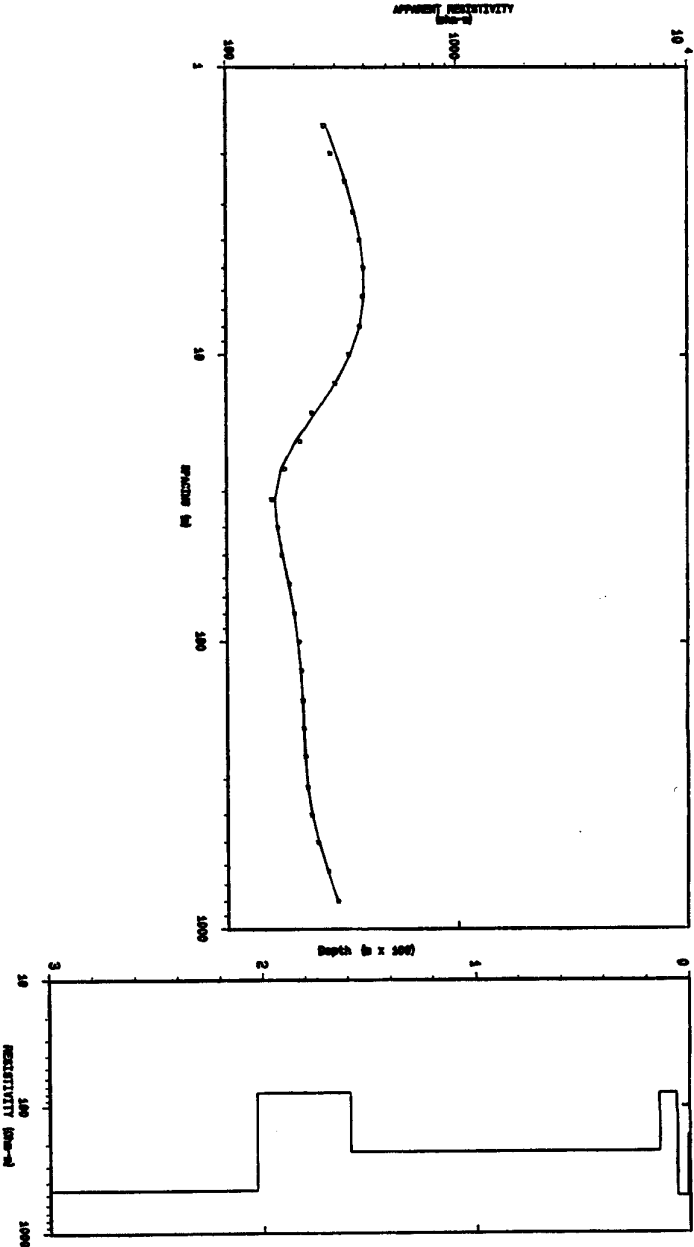
Schlumberger Configuration

FITTING ERROR: 1.881 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 690.0 | |
| 1 | 169.0 | | 0.600 | 689.4 | 0.00355 |
| 2 | 517.0 | | 5.20 | 684.2 | 0.0100 |
| 3 | 79.00 | | 8.20 | 676.0 | 0.103 |
| 4 | 230.0 | | 145.0 | 531.0 | 0.630 |
| 5 | 78.00 | | 44.00 | 487.0 | 0.564 |
| 6 | 463.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 1.60 | 261.0 | 267.0 | -2.33 |
| 2 | 2.00 | 279.0 | 296.3 | -6.22 |
| 3 | 2.50 | 322.0 | 325.4 | -1.07 |
| 4 | 3.20 | 350.0 | 354.7 | -1.34 |
| 5 | 4.00 | 372.5 | 375.6 | -0.836 |
| 6 | 5.00 | 386.6 | 388.0 | -0.381 |
| 7 | 6.30 | 383.7 | 388.4 | -1.21 |
| 8 | 8.00 | 371.5 | 371.9 | -0.121 |
| 9 | 10.00 | 334.1 | 339.6 | -1.65 |
| 10 | 12.60 | 291.2 | 292.1 | -0.326 |
| 11 | 12.60 | 302.2 | 303.1 | -0.326 |
| 12 | 16.00 | 238.3 | 246.9 | -3.62 |
| 13 | 20.00 | 211.5 | 202.1 | 4.43 |
| 14 | 25.00 | 180.5 | 173.8 | 3.68 |
| 15 | 32.00 | 158.8 | 163.4 | -2.92 |
| 16 | 40.00 | 168.5 | 167.3 | 0.683 |
| 17 | 50.00 | 176.0 | 176.9 | -0.520 |
| 18 | 50.00 | 172.5 | 173.3 | -0.520 |
| 19 | 63.00 | 185.1 | 184.1 | 0.500 |
| 20 | 80.00 | 194.5 | 194.1 | 0.176 |
| 21 | 100.0 | 204.5 | 201.7 | 1.35 |
| 22 | 126.0 | 209.1 | 207.5 | 0.721 |
| 23 | 160.0 | 211.8 | 211.6 | 0.140 |
| 24 | 200.0 | 214.2 | 214.0 | 0.0909 |
| 25 | 200.0 | 214.2 | 214.0 | 0.0909 |
| 26 | 250.0 | 217.6 | 216.4 | 0.550 |
| 27 | 320.0 | 221.8 | 221.7 | 0.0346 |
| 28 | 400.0 | 230.3 | 231.6 | -0.560 |
| 29 | 500.0 | 246.1 | 248.0 | -0.782 |
| 30 | 630.0 | 272.2 | 270.9 | 0.458 |
| 31 | 630.0 | 274.8 | 273.6 | 0.458 |
| 32 | 800.0 | 302.6 | 301.4 | 0.386 |



| | | | |
|----------------------|---------------|---------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA | |
| Data Set: RE015 | Date: 20-3-90 | VALENCIA | |
| Equipment: SYSCALPEE | Sounding: 115 | Azimuth: N-80 | |

DATA SET: REQ116

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 690.00
 SOUNDING COORDINATES: X: 643850.0000 Y: 4345950.0000

DATE: 16-3-90
 SOUNDING: 116
 AZIMUTH: N-65
 EQUIPMENT: SYSCALR2E

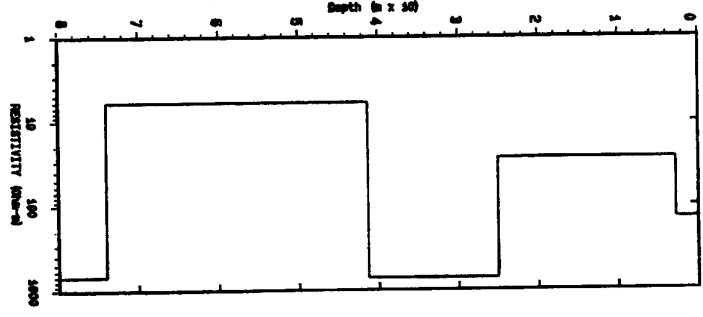
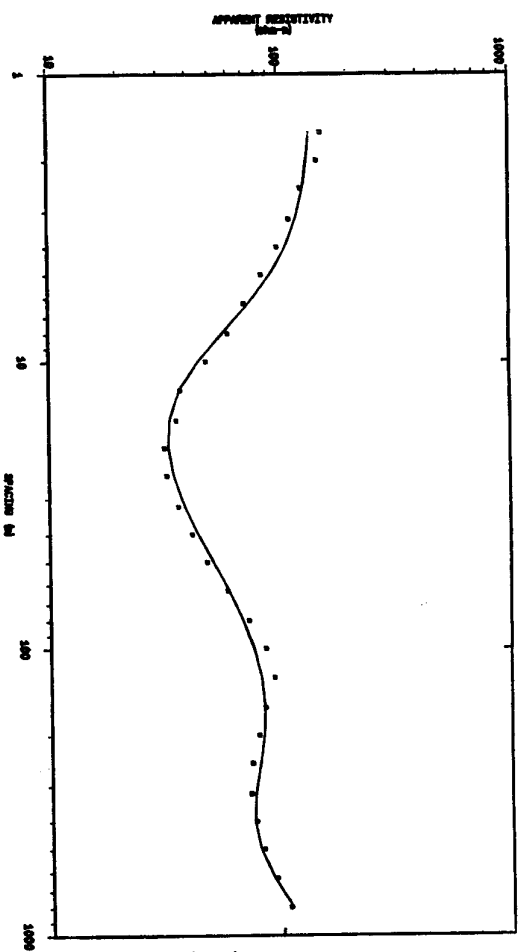
Schlumberger Configuration

FITTING ERROR: 6.740 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 690.0 | |
| 1 | 141.3 | | 2.80 | 687.2 | 0.0198 |
| 2 | 27.50 | | 22.20 | 665.0 | 0.807 |
| 3 | 728.0 | | 16.30 | 648.7 | 0.0223 |
| 4 | 6.00 | | 32.70 | 616.0 | 5.45 |
| 5 | 697.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 196.8 | 175.1 | 11.02 |
| 2 | 2.00 | 189.5 | 171.3 | 9.58 |
| 3 | 2.50 | 160.5 | 164.7 | -2.65 |
| 4 | 3.20 | 142.5 | 152.9 | -7.36 |
| 5 | 4.00 | 126.1 | 137.3 | -8.93 |
| 6 | 5.00 | 107.4 | 117.3 | -9.25 |
| 7 | 6.30 | 90.50 | 94.31 | -4.21 |
| 8 | 8.00 | 76.80 | 72.26 | 5.90 |
| 9 | 10.00 | 61.40 | 56.65 | 7.72 |
| 10 | 12.60 | 47.50 | 46.84 | 1.37 |
| 11 | 12.60 | 42.80 | 42.21 | 1.37 |
| 12 | 16.00 | 41.00 | 38.28 | 6.62 |
| 13 | 20.00 | 36.40 | 37.93 | -4.20 |
| 14 | 25.00 | 37.20 | 39.86 | -7.16 |
| 15 | 32.00 | 41.70 | 44.43 | -6.55 |
| 16 | 40.00 | 47.70 | 50.79 | -6.48 |
| 17 | 50.00 | 55.20 | 59.04 | -6.96 |
| 18 | 50.00 | 52.70 | 56.36 | -6.96 |
| 19 | 63.00 | 64.60 | 65.76 | -1.79 |
| 20 | 80.00 | 79.90 | 75.67 | 5.28 |
| 21 | 100.0 | 94.40 | 83.90 | 11.11 |
| 22 | 126.0 | 102.3 | 90.13 | 11.88 |
| 23 | 160.0 | 93.30 | 93.00 | 0.318 |
| 24 | 200.0 | 87.40 | 92.03 | -5.30 |
| 25 | 200.0 | 79.60 | 83.82 | -5.30 |
| 26 | 250.0 | 74.30 | 80.48 | -8.32 |
| 27 | 320.0 | 73.00 | 76.43 | -4.70 |
| 28 | 400.0 | 77.00 | 75.62 | 1.78 |
| 29 | 500.0 | 83.10 | 80.13 | 3.56 |
| 30 | 630.0 | 94.20 | 91.50 | 2.85 |
| 31 | 630.0 | 94.50 | 91.79 | 2.85 |
| 32 | 800.0 | 107.6 | 110.2 | -2.43 |



| | | |
|------------|---------------|---------------|
| for: | ITGE | RESISTIVIDAD |
| by: | I.T.G.E. | REQUENA |
| Data Set: | RE0116 | VALENCIA |
| Equipment: | SYSCALR2E | Azimuth: N-65 |
| | Date: 16-3-90 | |
| | Sounding: 116 | |

DATA SET: REQ117

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 700.00
 SOUNDING COORDINATES: X: 644050.0000 Y: 4344200.0000

DATE: 1-3-90
 SOUNDING: 117
 AZIMUTH: N-70
 EQUIPMENT: SYSCALR2E

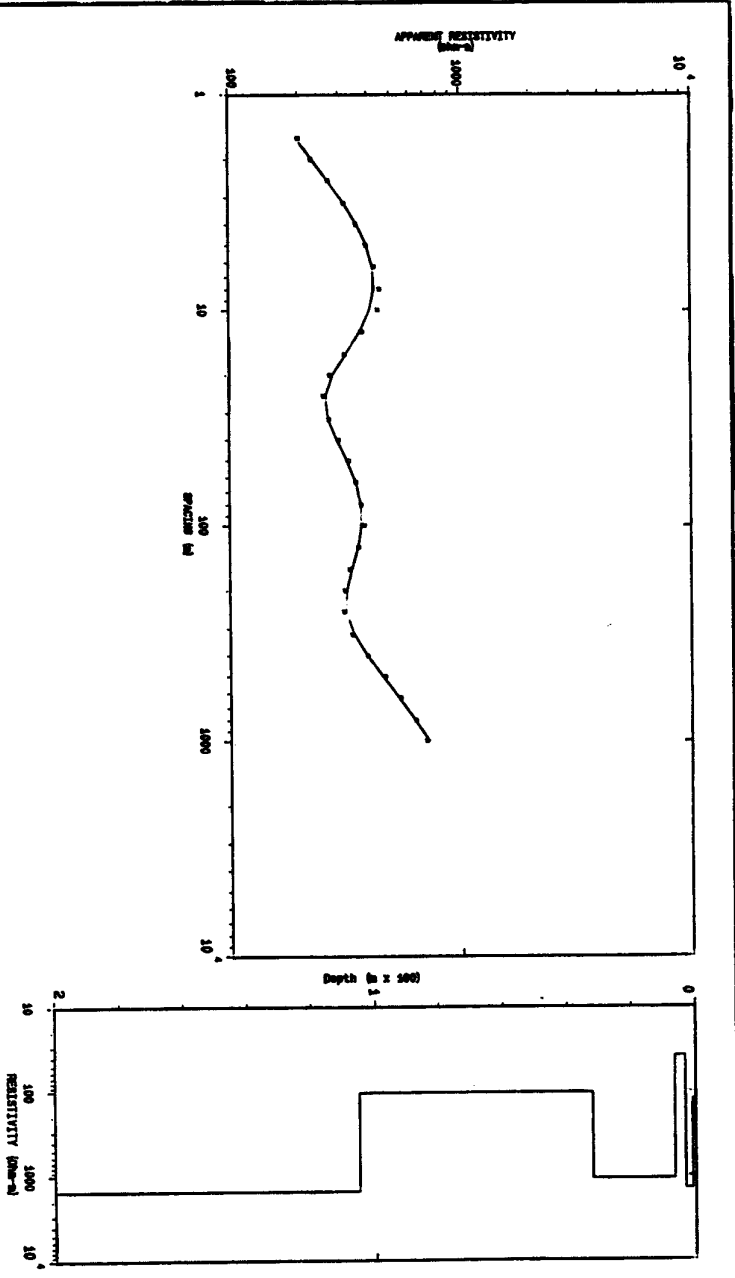
Schlumberger Configuration

FITTING ERROR: 2.363 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 700.0 | |
| 1 | 123.0 | | 0.900 | 699.0 | 0.00731 |
| 2 | 1431.0 | | 2.20 | 696.8 | 0.00154 |
| 3 | 38.00 | | 3.30 | 693.5 | 0.0868 |
| 4 | 1092.0 | | 25.60 | 668.0 | 0.0234 |
| 5 | 104.0 | | 73.00 | 595.0 | 0.701 |
| 6 | 1533.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 1.60 | 224.2 | 219.1 | 2.24 |
| 2 | 2.00 | 254.7 | 256.7 | -0.808 |
| 3 | 2.50 | 302.0 | 301.2 | 0.247 |
| 4 | 3.20 | 354.3 | 354.8 | -0.132 |
| 5 | 4.00 | 398.2 | 402.4 | -1.03 |
| 6 | 5.00 | 441.2 | 443.0 | -0.391 |
| 7 | 6.30 | 477.8 | 470.3 | 1.58 |
| 8 | 8.00 | 503.2 | 475.4 | 5.54 |
| 9 | 10.00 | 493.5 | 455.2 | 7.74 |
| 10 | 12.60 | 420.8 | 412.2 | 2.06 |
| 11 | 12.60 | 396.2 | 388.1 | 2.06 |
| 12 | 16.00 | 333.2 | 336.0 | -0.823 |
| 13 | 20.00 | 287.2 | 294.8 | -2.64 |
| 14 | 25.00 | 269.5 | 274.6 | -1.91 |
| 15 | 32.00 | 284.3 | 281.8 | 0.892 |
| 16 | 40.00 | 312.3 | 307.9 | 1.41 |
| 17 | 50.00 | 347.2 | 340.8 | 1.84 |
| 18 | 50.00 | 335.2 | 329.1 | 1.84 |
| 19 | 63.00 | 358.0 | 358.1 | -0.0323 |
| 20 | 80.00 | 377.3 | 375.9 | 0.373 |
| 21 | 100.0 | 389.2 | 377.7 | 2.93 |
| 22 | 126.0 | 367.0 | 364.7 | 0.600 |
| 23 | 160.0 | 336.6 | 342.3 | -1.71 |
| 24 | 200.0 | 319.2 | 324.9 | -1.76 |
| 25 | 200.0 | 323.0 | 328.6 | -1.76 |
| 26 | 250.0 | 319.5 | 327.1 | -2.40 |
| 27 | 320.0 | 347.2 | 353.4 | -1.76 |
| 28 | 400.0 | 404.3 | 402.3 | 0.518 |
| 29 | 500.0 | 480.6 | 469.6 | 2.28 |
| 30 | 630.0 | 560.7 | 552.7 | 1.41 |
| 31 | 630.0 | 548.0 | 540.3 | 1.41 |
| 32 | 800.0 | 638.2 | 634.1 | 0.642 |
| 33 | 1000.0 | 711.0 | 728.5 | -2.47 |



| | | |
|------------|---------------|---------------|
| for: | ITGE | RESISTIVIDAD |
| by: | I. T. G. E. | REQUENA |
| Data Set: | REQ117 | VALENCIA |
| Equipment: | SYSCALR2E | Azimuth: N-70 |
| | Date: 1-3-90 | |
| | Sounding: 117 | |

DATA SET: REQ118

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 710.00
 SOUNDING COORDINATES: X: 644250.0000 Y: 4342600.0000

DATE: 10-4-90
 SOUNDING: 118
 AZIMUTH: n-45
 EQUIPMENT: SYSCALRZE

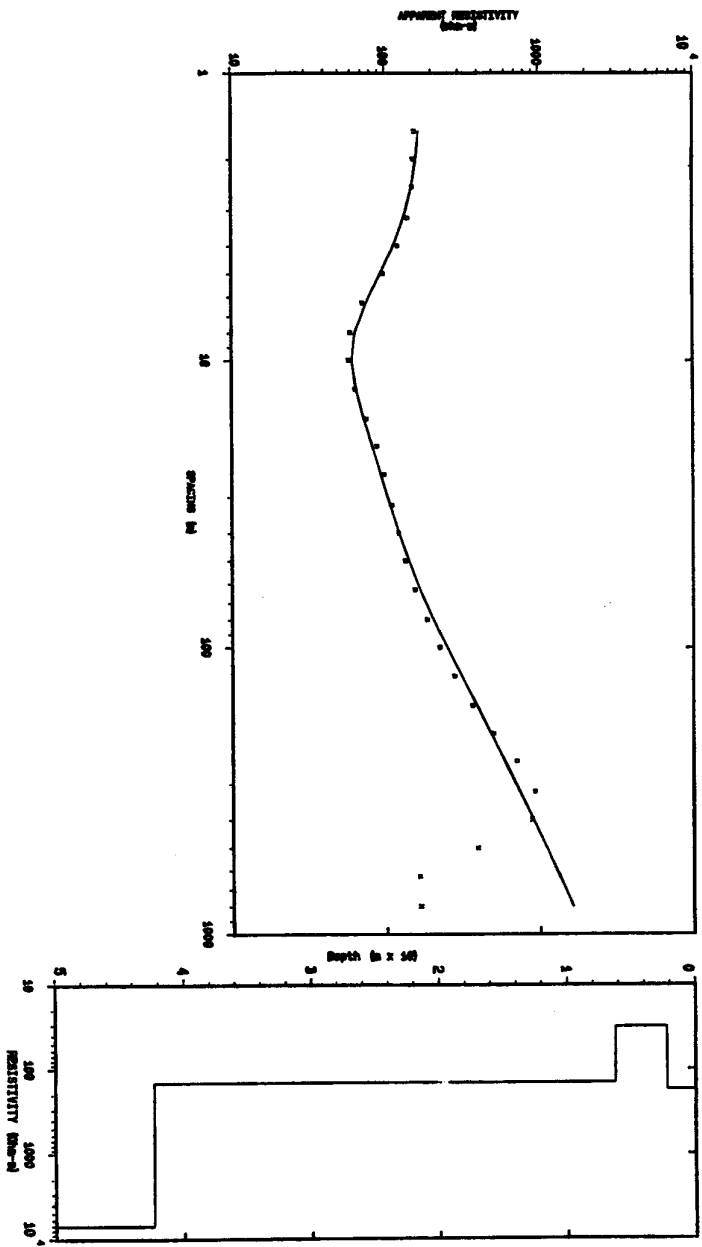
Schlumberger Configuration

FITTING ERROR: 8.150 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 710.0 | |
| 1 | 176.5 | | 2.20 | 707.7 | 0.0124 |
| 2 | 31.50 | | 4.00 | 703.7 | 0.126 |
| 3 | 145.8 | | 36.10 | 667.7 | 0.247 |
| 4 | 7079.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|---------|----------------------|-------------------------|
| 1 | 1.60 | 111.0 | 118.9 | -7.13 |
| 2 | 2.00 | 109.3 | 114.1 | -4.41 |
| 3 | 2.50 | 107.6 | 106.6 | 0.909 |
| 4 | 3.20 | 100.0 | 94.56 | 5.43 |
| 5 | 4.00 | 85.70 | 80.77 | 5.75 |
| 6 | 5.00 | 69.00 | 66.15 | 4.11 |
| 7 | 6.30 | 50.60 | 53.23 | -5.20 |
| 8 | 8.00 | 42.30 | 45.11 | -6.66 |
| 9 | 10.00 | 41.10 | 43.19 | -5.08 |
| 10 | 12.60 | 45.30 | 45.88 | -1.28 |
| 11 | 12.60 | 44.20 | 44.76 | -1.28 |
| 12 | 16.00 | 52.40 | 50.46 | 3.68 |
| 13 | 20.00 | 61.20 | 57.23 | 6.48 |
| 14 | 25.00 | 68.50 | 64.92 | 5.21 |
| 15 | 32.00 | 76.80 | 74.72 | 2.70 |
| 16 | 32.00 | 76.80 | 74.72 | 2.70 |
| 17 | 40.00 | 84.80 | 85.36 | -0.671 |
| 18 | 50.00 | 93.80 | 98.77 | -5.30 |
| 19 | 50.00 | 91.40 | 96.24 | -5.30 |
| 20 | 63.00 | 105.2 | 114.1 | -8.46 |
| 21 | 80.00 | 125.9 | 139.0 | -10.45 |
| 22 | 100.0 | 152.1 | 169.9 | -11.72 |
| 23 | 126.0 | 189.0 | 210.9 | -11.61 |
| 24 | 160.0 | 247.0 | 264.4 | -7.07 |
| 25 | 200.0 | 338.3 | 326.3 | 3.56 |
| 26 | 200.0 | 351.7 | 339.1 | 3.56 |
| 27 | 250.0 | 499.6 | 417.4 | 16.44 |
| 28 | 320.0 | 656.0 | 523.2 | 20.23 |
| 29 | 400.0 | 625.4 | 639.1 | -2.19 |
| 30 | 500.0 | 274.6 | 776.9 | -182.9 |
| 31 | 630.0 | 115.4 | 945.6 | -719.4 |
| 32 | 630.0 | 164.7 | 1349.6 | -719.4 |
| 33 | 800.0 | 167.0 | 1641.4 | -882.9 |



| | |
|---------------------|---------------|
| for: ITGE | RESISTIVIDAD |
| by: I.T.G.E. | REQUENA |
| Date Set: RE018 | VALENCIA |
| Date: 10-4-90 | |
| Equipment: SYSCALPZ | Sounding: 118 |
| | Azimuth: n-45 |

DATA SET: 119

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 705.00
 SOUNDING COORDINATES: X: 645800.0000 Y: 4344550.0000

DATE: 16-3-90
 SOUNDING: 119
 AZIMUTH: N-77
 EQUIPMENT: SYSCALR2E

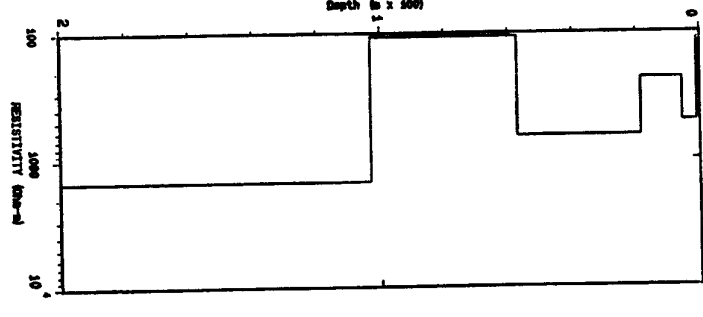
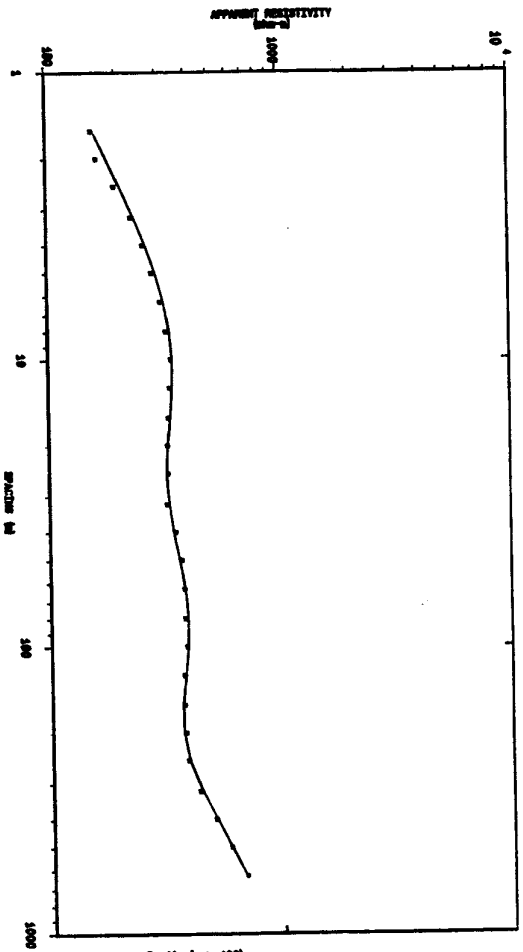
Schlumberger Configuration

FITTING ERROR: 3.050 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANC (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|-------------------------|
| | | | | 705.0 | |
| 1 | 112.0 | | 0.900 | 704.0 | 0.00804 |
| 2 | 503.0 | | 4.60 | 699.5 | 0.00915 |
| 3 | 229.0 | | 13.00 | 686.5 | 0.0567 |
| 4 | 653.0 | | 38.50 | 648.0 | 0.0589 |
| 5 | 107.0 | | 46.00 | 602.0 | 0.429 |
| 6 | 1492.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 155.0 | 158.5 | -2.27 |
| 2 | 2.00 | 162.8 | 180.3 | -10.70 |
| 3 | 2.50 | 194.3 | 205.9 | -5.94 |
| 4 | 3.20 | 229.6 | 236.9 | -3.22 |
| 5 | 4.00 | 257.3 | 265.5 | -3.17 |
| 6 | 5.00 | 281.6 | 292.6 | -3.91 |
| 7 | 6.30 | 305.5 | 316.5 | -3.62 |
| 8 | 8.00 | 322.0 | 334.1 | -3.77 |
| 9 | 10.00 | 337.5 | 341.9 | -1.33 |
| 10 | 12.60 | 332.8 | 341.0 | -2.44 |
| 11 | 12.60 | 346.5 | 354.9 | -2.44 |
| 12 | 16.00 | 340.7 | 346.6 | -1.73 |
| 13 | 20.00 | 335.8 | 337.3 | -0.443 |
| 14 | 25.00 | 338.0 | 333.0 | 1.45 |
| 15 | 32.00 | 333.3 | 339.2 | -1.75 |
| 16 | 40.00 | 361.7 | 354.7 | 1.90 |
| 17 | 50.00 | 382.1 | 375.2 | 1.79 |
| 18 | 50.00 | 373.6 | 366.8 | 1.79 |
| 19 | 63.00 | 382.7 | 385.6 | -0.738 |
| 20 | 80.00 | 384.1 | 395.9 | -3.08 |
| 21 | 100.0 | 388.7 | 394.1 | -1.40 |
| 22 | 126.0 | 378.6 | 383.1 | -1.21 |
| 23 | 160.0 | 376.8 | 371.4 | 1.44 |
| 24 | 200.0 | 381.2 | 372.4 | 2.30 |
| 25 | 200.0 | 381.1 | 372.3 | 2.30 |
| 26 | 250.0 | 389.6 | 394.3 | -1.22 |
| 27 | 320.0 | 435.1 | 446.4 | -2.59 |
| 28 | 400.0 | 508.6 | 514.1 | -1.09 |
| 29 | 500.0 | 592.2 | 595.2 | -0.519 |
| 30 | 630.0 | 691.5 | 688.0 | 0.492 |



| | | | |
|----------------------|---------------|---------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA | |
| Data Set: 119 | Date: 16-3-90 | VALENCIA | |
| Equipment: SYSCALR2E | Sounding: 119 | AZimuth: N-77 | |

DATA SET: REQ120

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 720.00
 SOUNDING COORDINATES: X: 647700.0000 Y: 4346750.0000

DATE: 12-4-90
 SOUNDING: 120
 AZIMUTH: N-70
 EQUIPMENT: SYSCALR2E

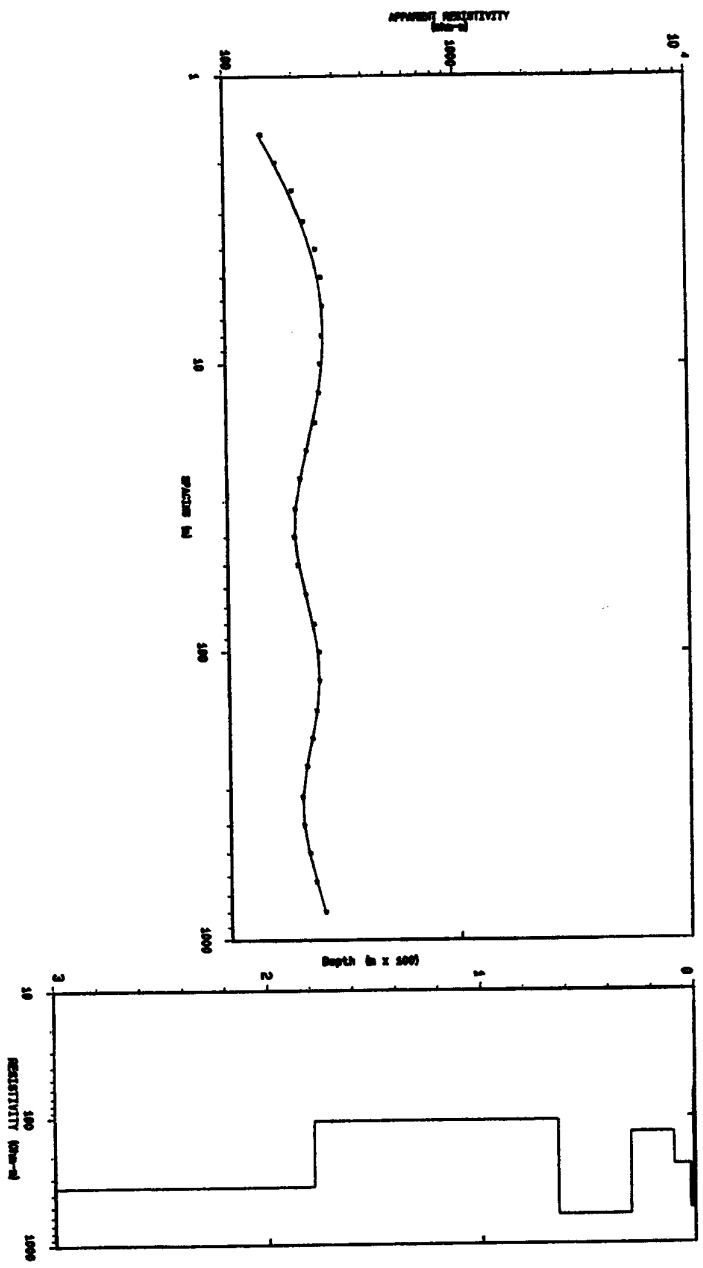
Schlumberger Configuration

FITTING ERROR: 1.740 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 720.0 | |
| 1 | 59.20 | | 0.500 | 719.5 | 0.00845 |
| 2 | 528.0 | | 1.50 | 718.0 | 0.00284 |
| 3 | 241.0 | | 8.00 | 710.0 | 0.0332 |
| 4 | 134.0 | | 20.00 | 690.0 | 0.149 |
| 5 | 591.0 | | 34.20 | 655.7 | 0.0578 |
| 6 | 107.0 | | 114.5 | 541.2 | 1.07 |
| 7 | 353.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 111.3 | 108.7 | 2.28 |
| 2 | 2.00 | 128.0 | 126.4 | 1.19 |
| 3 | 2.50 | 151.6 | 144.8 | 4.43 |
| 4 | 3.20 | 168.8 | 164.7 | 2.42 |
| 5 | 4.00 | 190.2 | 180.6 | 5.01 |
| 6 | 5.00 | 199.8 | 193.2 | 3.33 |
| 7 | 6.30 | 202.8 | 201.3 | 0.769 |
| 8 | 8.00 | 200.0 | 203.7 | -1.86 |
| 9 | 10.00 | 196.3 | 200.5 | -2.17 |
| 10 | 12.60 | 193.7 | 192.7 | 0.501 |
| 11 | 12.60 | 249.3 | 248.0 | 0.501 |
| 12 | 16.00 | 239.0 | 233.2 | 2.38 |
| 13 | 20.00 | 218.0 | 217.8 | 0.0493 |
| 14 | 25.00 | 203.6 | 203.7 | -0.0809 |
| 15 | 32.00 | 193.2 | 193.5 | -0.180 |
| 16 | 40.00 | 190.7 | 192.2 | -0.789 |
| 17 | 50.00 | 197.7 | 199.1 | -0.732 |
| 18 | 50.00 | 207.2 | 208.7 | -0.732 |
| 19 | 63.00 | 224.0 | 223.0 | 0.445 |
| 20 | 80.00 | 242.8 | 239.5 | 1.38 |
| 21 | 100.0 | 254.3 | 250.9 | 1.34 |
| 22 | 126.0 | 255.0 | 254.6 | 0.154 |
| 23 | 160.0 | 246.6 | 248.3 | -0.701 |
| 24 | 200.0 | 236.1 | 235.6 | 0.178 |
| 25 | 200.0 | 236.3 | 235.8 | 0.178 |
| 26 | 250.0 | 223.2 | 222.0 | 0.530 |
| 27 | 320.0 | 211.6 | 212.7 | -0.548 |
| 28 | 400.0 | 214.1 | 214.2 | -0.0922 |
| 29 | 500.0 | 227.3 | 225.2 | 0.956 |
| 30 | 630.0 | 241.3 | 243.0 | -0.722 |
| 31 | 630.0 | 234.8 | 236.5 | -0.722 |
| 32 | 800.0 | 257.3 | 257.0 | 0.152 |



| | | | |
|----------------------|--|---------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA | |
| Data Set: RE0120 | | VALENCIA | |
| Date: 12-4-90 | | Azimuth: N-70 | |
| Equipment: SYSCALR2E | | Sounding: 120 | |

DATA SET: REQ121

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 710.00
 SOUNDING COORDINATES: X: 647225.0000 Y: 4344900.0000

DATE: 15-3-90
 SOUNDING: 121
 AZIMUTH: N-90
 EQUIPMENT: SYSCALR2E

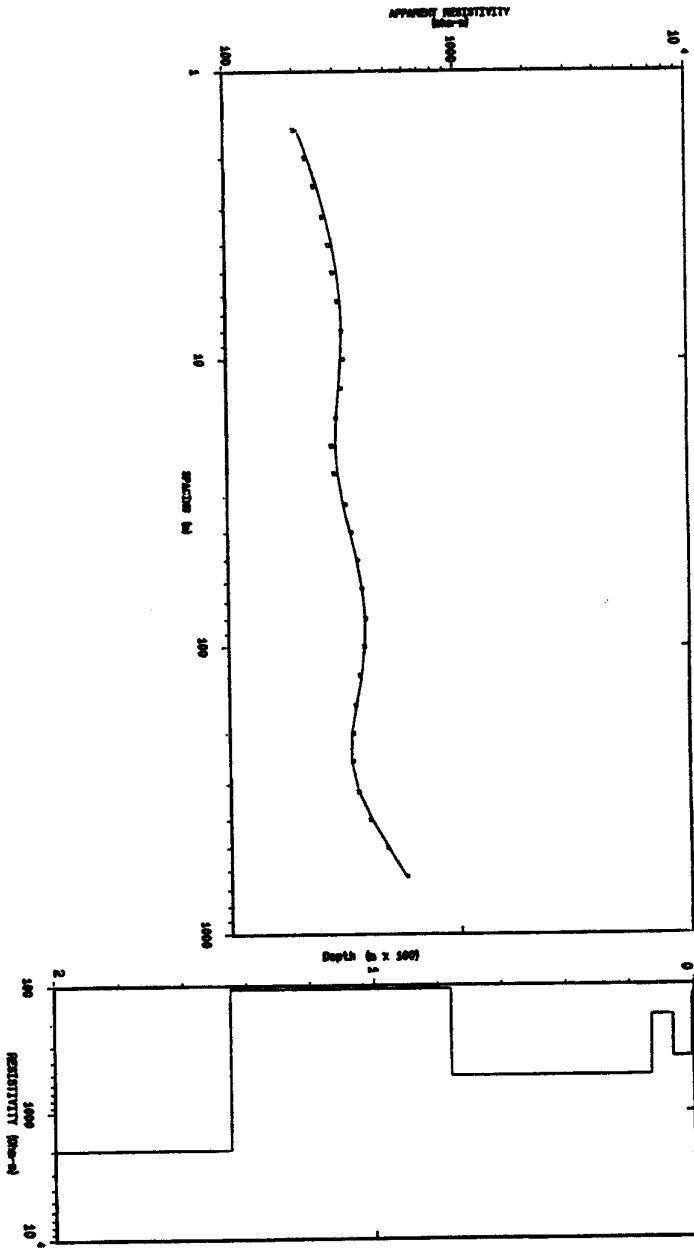
Schlumberger Configuration

FITTING ERROR: 2.305 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 710.0 | |
| 1 | 115.5 | | 0.500 | 709.5 | 0.00433 |
| 2 | 370.5 | | 6.00 | 703.5 | 0.0161 |
| 3 | 174.0 | | 6.70 | 696.7 | 0.0385 |
| 4 | 518.0 | | 62.80 | 634.0 | 0.121 |
| 5 | 107.0 | | 69.00 | 565.0 | 0.644 |
| 6 | 1984.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|---------|----------------------|-------------------------|
| 1 | 1.60 | 191.2 | 198.0 | -3.60 |
| 2 | 2.00 | 213.5 | 219.5 | -2.85 |
| 3 | 2.50 | 233.1 | 240.6 | -3.23 |
| 4 | 3.20 | 253.1 | 262.1 | -3.58 |
| 5 | 4.00 | 268.2 | 278.9 | -3.99 |
| 6 | 5.00 | 279.3 | 291.9 | -4.49 |
| 7 | 6.30 | 292.1 | 300.5 | -2.90 |
| 8 | 8.00 | 303.7 | 303.4 | 0.0947 |
| 9 | 10.00 | 308.2 | 300.4 | 2.55 |
| 10 | 12.60 | 300.1 | 293.0 | 2.35 |
| 11 | 12.60 | 317.0 | 309.5 | 2.35 |
| 12 | 16.00 | 300.5 | 300.7 | -0.0808 |
| 13 | 20.00 | 287.2 | 297.2 | -3.45 |
| 14 | 25.00 | 292.6 | 302.4 | -3.37 |
| 15 | 32.00 | 328.2 | 319.1 | 2.77 |
| 16 | 40.00 | 344.5 | 340.7 | 1.09 |
| 17 | 50.00 | 367.1 | 363.0 | 1.09 |
| 18 | 50.00 | 375.2 | 371.1 | 1.09 |
| 19 | 63.00 | 389.6 | 390.3 | -0.197 |
| 20 | 80.00 | 403.2 | 400.9 | 0.567 |
| 21 | 100.0 | 397.0 | 399.4 | -0.618 |
| 22 | 126.0 | 378.7 | 386.0 | -1.92 |
| 23 | 160.0 | 361.6 | 364.2 | -0.746 |
| 24 | 200.0 | 352.1 | 346.7 | 1.52 |
| 25 | 200.0 | 344.6 | 339.3 | 1.52 |
| 26 | 250.0 | 343.3 | 337.0 | 1.85 |
| 27 | 320.0 | 362.0 | 362.5 | -0.140 |
| 28 | 400.0 | 406.8 | 412.7 | -1.44 |
| 29 | 500.0 | 479.7 | 484.7 | -1.02 |
| 30 | 630.0 | 583.2 | 576.3 | 1.18 |



| | |
|------------|-----------|
| for: | ITGE |
| by: | I.T.G.E. |
| Data Set: | REQ0121 |
| Equipment: | SYSCALPR2 |
| Date: | 15-3-90 |
| Sounding: | 121 |

| |
|---------------|
| RESISTIVIDAD |
| REQUENA |
| VALENCIA |
| Azimuth: N-90 |

DATA SET: REQ122

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 720.00
 SOUNDING COORDINATES: X: 647600.0000 Y: 4343400.0000

DATE: 29-3-90
 SOUNDING: 122
 AZIMUTH: N-75
 EQUIPMENT: SYSCALR2E

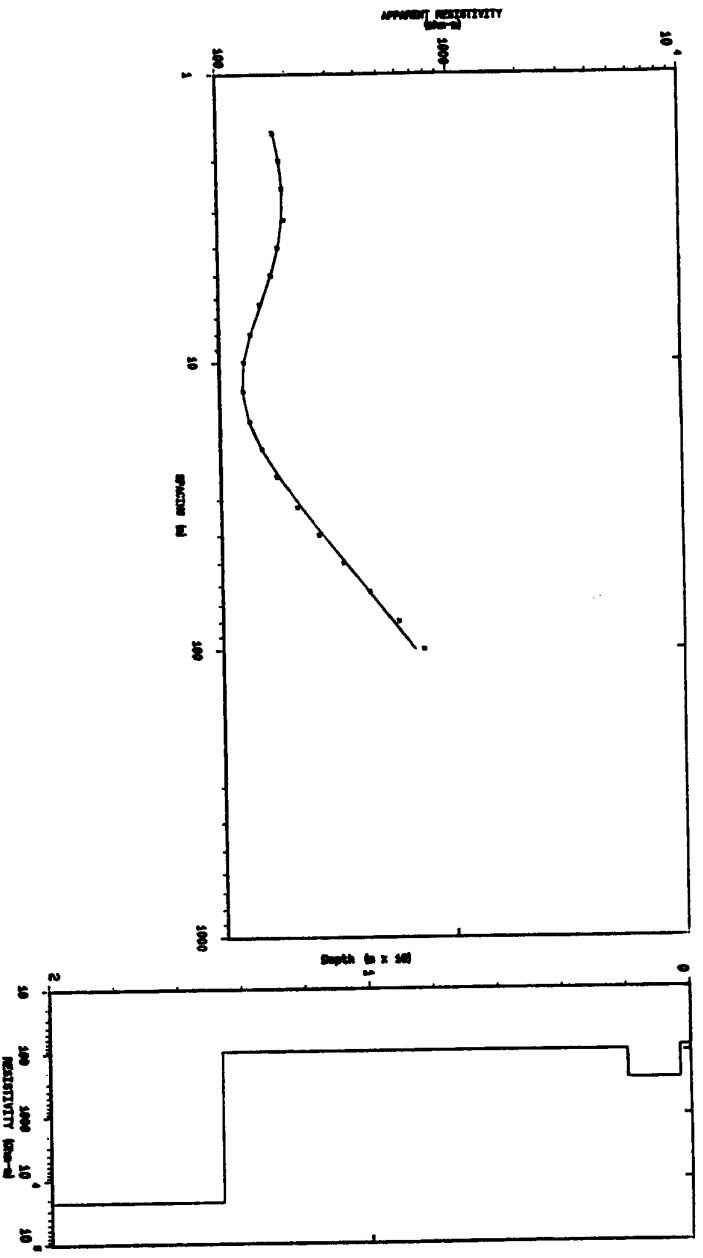
Schlumberger Configuration

FITTING ERROR: 3.005 PERCENT

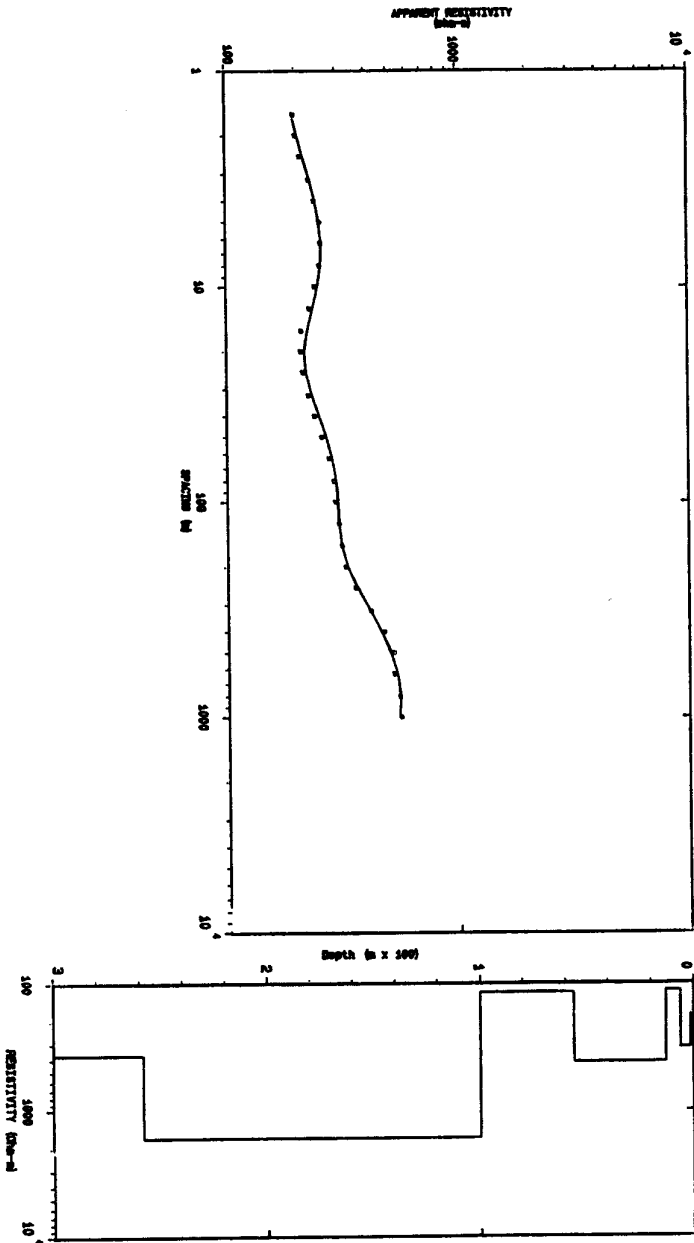
| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 720.0 | |
| 1 | 82.52 | | 0.322 | 719.6 | 0.00390 |
| 2 | 269.2 | | 1.64 | 718.0 | 0.00610 |
| 3 | 95.95 | | 12.65 | 705.3 | 0.131 |
| 4 | 22534.8 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 166.3 | 167.1 | -0.435 |
| 2 | 2.00 | 176.8 | 176.7 | 0.00753 |
| 3 | 2.50 | 181.3 | 181.9 | -0.299 |
| 4 | 3.20 | 184.8 | 180.8 | 2.19 |
| 5 | 4.00 | 172.1 | 173.2 | -0.639 |
| 6 | 5.00 | 160.5 | 160.3 | 0.0726 |
| 7 | 6.30 | 143.1 | 144.6 | -1.05 |
| 8 | 8.00 | 130.0 | 129.9 | 0.0712 |
| 9 | 10.00 | 120.9 | 121.1 | -0.197 |
| 10 | 12.60 | 120.0 | 119.3 | 0.507 |
| 11 | 12.60 | 130.2 | 129.5 | 0.507 |
| 12 | 16.00 | 138.7 | 137.5 | 0.801 |
| 13 | 20.00 | 156.3 | 155.4 | 0.543 |
| 14 | 25.00 | 179.7 | 184.4 | -2.63 |
| 15 | 32.00 | 220.3 | 230.5 | -4.62 |
| 16 | 40.00 | 273.0 | 286.0 | -4.78 |
| 17 | 50.00 | 347.7 | 356.1 | -2.40 |
| 18 | 50.00 | 338.5 | 346.6 | -2.40 |
| 19 | 63.00 | 437.5 | 435.0 | 0.555 |
| 20 | 80.00 | 583.0 | 549.7 | 5.71 |
| 21 | 100.0 | 747.5 | 683.3 | 8.58 |



| | | |
|------------|---------------|---------------|
| for: | ITGE | RESISTIVIDAD |
| by: | I. T. G. E. | REQUENA |
| Data Set: | REQ122 | VALENCIA |
| Equipment: | SYSALP2E | Azimuth: N-75 |
| | Date: 29-3-90 | |
| | Sounding: 122 | |



| | | |
|------------|-------------|---------------|
| for: | ITGE | |
| by: | I. T. G. E. | |
| Data Set: | REQ123 | Date: 29-3-90 |
| Equipment: | SYSCAL/R6E | Sounding: 123 |

| |
|---------------|
| RESISTIVIDAD |
| REQUENA |
| VALENCIA |
| Azimuth: N-75 |

DATA SET: 124

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 725.00
 SOUNDING COORDINATES: X: 650150.0000 Y: 4347500.0000

DATE: 28-3-90
 SOUNDING: 124
 AZIMUTH: N-80
 EQUIPMENT: SYSCALR2E

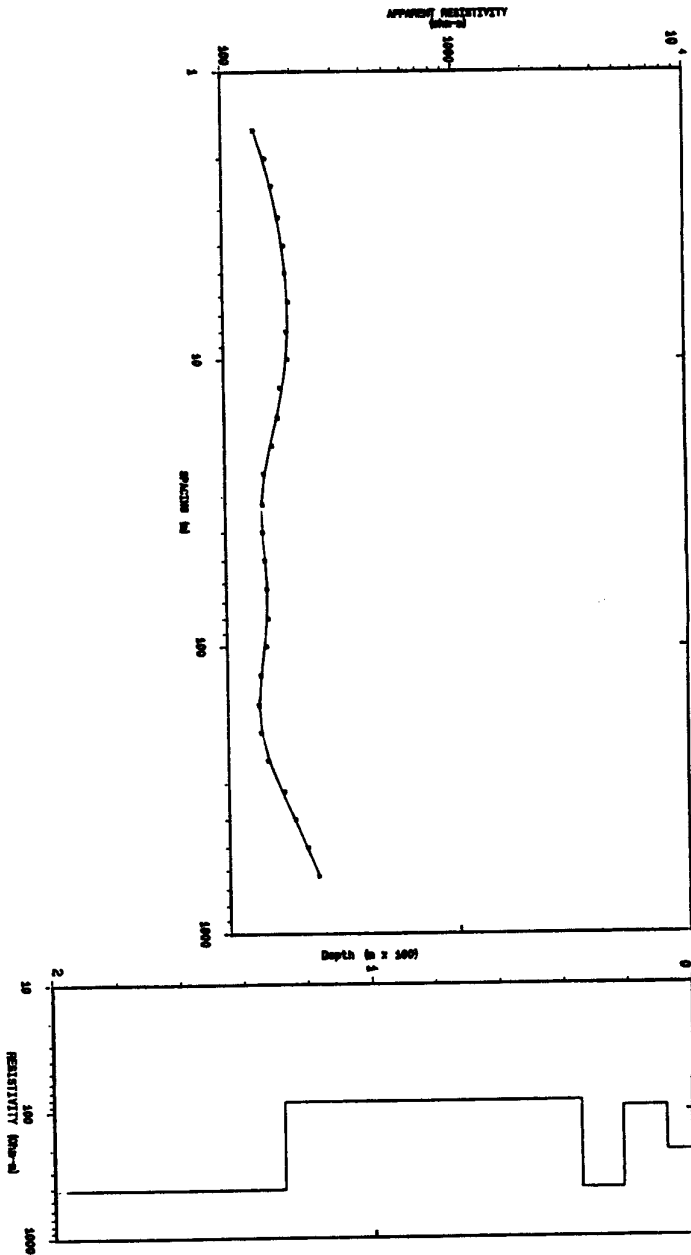
Schlumberger Configuration

FITTING ERROR: 1.295 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 725.0 | |
| 1 | 57.00 | | 0.300 | 724.7 | 0.00526 |
| 2 | 209.0 | | 8.00 | 716.7 | 0.0382 |
| 3 | 93.00 | | 13.70 | 703.0 | 0.147 |
| 4 | 413.0 | | 13.00 | 690.0 | 0.0314 |
| 5 | 84.00 | | 93.00 | 597.0 | 1.10 |
| 6 | 416.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|-------|-------------------------|-------------------------|
| 1 | 1.60 | 136.2 | 136.8 | -0.460 |
| 2 | 2.00 | 152.2 | 149.0 | 2.03 |
| 3 | 2.50 | 161.8 | 160.3 | 0.972 |
| 4 | 3.20 | 173.2 | 171.0 | 1.23 |
| 5 | 4.00 | 181.8 | 178.8 | 1.66 |
| 6 | 5.00 | 183.8 | 184.5 | -0.409 |
| 7 | 6.30 | 189.8 | 187.7 | 1.11 |
| 8 | 8.00 | 185.6 | 187.7 | -1.18 |
| 9 | 10.00 | 187.2 | 184.3 | 1.54 |
| 10 | 12.60 | 172.3 | 176.9 | -2.66 |
| 11 | 12.60 | 171.0 | 175.5 | -2.66 |
| 12 | 16.00 | 166.5 | 164.8 | 0.992 |
| 13 | 20.00 | 156.5 | 153.9 | 1.65 |
| 14 | 25.00 | 143.6 | 144.9 | -0.909 |
| 15 | 32.00 | 141.5 | 140.1 | 0.986 |
| 16 | 40.00 | 141.1 | 140.8 | 0.194 |
| 17 | 50.00 | 143.6 | 144.1 | -0.401 |
| 18 | 50.00 | 147.2 | 147.7 | -0.401 |
| 19 | 63.00 | 149.7 | 150.5 | -0.601 |
| 20 | 80.00 | 151.6 | 149.8 | 1.14 |
| 21 | 100.0 | 148.5 | 145.6 | 1.91 |
| 22 | 126.0 | 139.8 | 140.0 | -0.172 |
| 23 | 160.0 | 136.6 | 136.9 | -0.270 |
| 24 | 200.0 | 138.8 | 140.1 | -0.943 |
| 25 | 200.0 | 138.6 | 139.9 | -0.943 |
| 26 | 250.0 | 148.8 | 150.4 | -1.12 |
| 27 | 320.0 | 174.1 | 170.0 | 2.31 |
| 28 | 400.0 | 193.8 | 192.8 | 0.557 |
| 29 | 500.0 | 219.2 | 218.2 | 0.454 |
| 30 | 630.0 | 244.1 | 245.6 | -0.624 |



| | | |
|------------|---------------|---------------|
| for: | ITGE | RESISTIVIDAD |
| by: | I.T.G.E. | REQUENA |
| Data Set: | 124 | VALENCIA |
| Equipment: | SYSCALRPE | Azimuth: N-80 |
| | Date: 28-3-90 | |
| | Sounding: 124 | |

DATA SET: REQ125

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 725.00
 SOUNDING COORDINATES: X: 650500.0000 Y: 4345700.0000

DATE: 28-3-90
 SOUNDING: 125
 AZIMUTH: N-75
 EQUIPMENT: SYSCALR2E

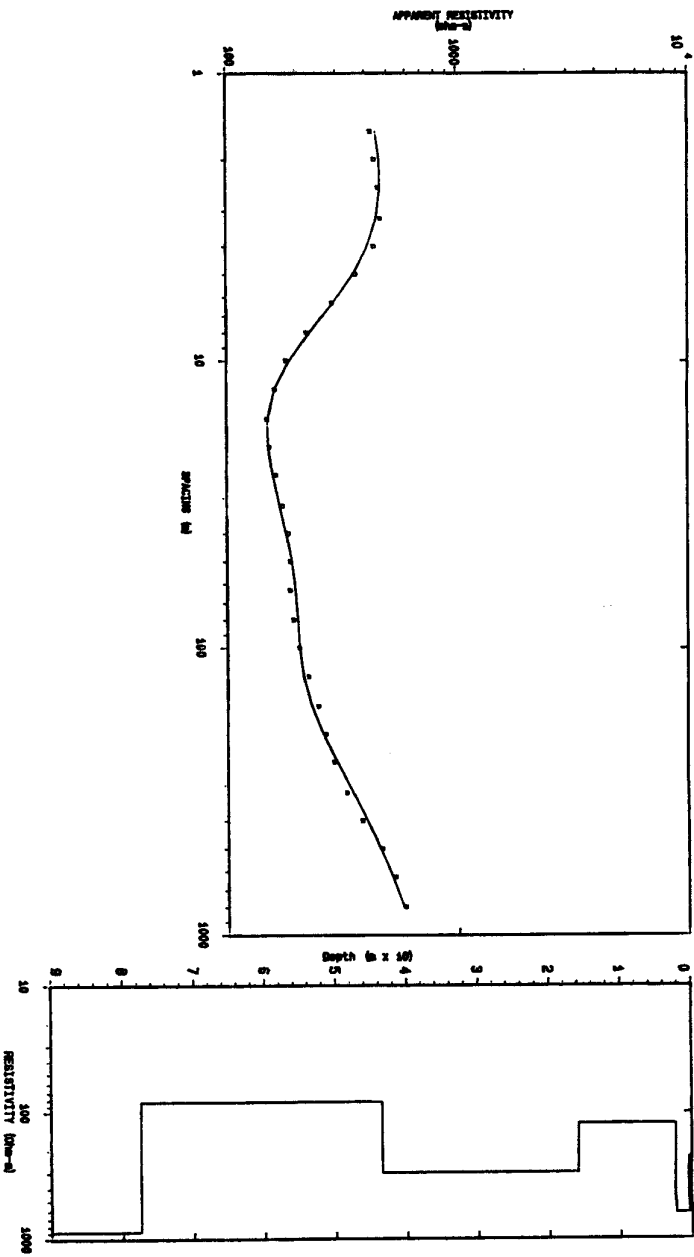
Schlumberger Configuration

FITTING ERROR: 3.643 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 725.0 | |
| 1 | 219.7 | | 0.300 | 724.7 | 0.00137 |
| 2 | 627.4 | | 1.90 | 722.7 | 0.00303 |
| 3 | 124.1 | | 13.70 | 709.0 | 0.110 |
| 4 | 302.0 | | 27.60 | 681.5 | 0.0913 |
| 5 | 83.10 | | 33.90 | 647.5 | 0.407 |
| 6 | 880.7 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 489.0 | 514.6 | -5.23 |
| 2 | 2.00 | 507.7 | 534.7 | -5.30 |
| 3 | 2.50 | 527.2 | 538.4 | -2.10 |
| 4 | 3.20 | 540.0 | 517.6 | 4.14 |
| 5 | 4.00 | 505.2 | 474.2 | 6.12 |
| 6 | 5.00 | 419.7 | 411.2 | 2.03 |
| 7 | 6.30 | 333.0 | 336.3 | -1.01 |
| 8 | 8.00 | 257.8 | 264.9 | -2.72 |
| 9 | 10.00 | 209.0 | 215.3 | -3.05 |
| 10 | 12.60 | 186.3 | 185.4 | 0.477 |
| 11 | 12.60 | 184.0 | 183.1 | 0.477 |
| 12 | 16.00 | 170.6 | 171.4 | -0.470 |
| 13 | 20.00 | 174.5 | 172.1 | 1.32 |
| 14 | 25.00 | 186.7 | 179.9 | 3.60 |
| 15 | 32.00 | 199.2 | 193.1 | 3.04 |
| 16 | 40.00 | 210.3 | 206.2 | 1.97 |
| 17 | 50.00 | 213.8 | 217.8 | -1.83 |
| 18 | 50.00 | 209.3 | 213.1 | -1.83 |
| 19 | 63.00 | 209.3 | 221.5 | -5.83 |
| 20 | 80.00 | 216.5 | 226.5 | -4.65 |
| 21 | 100.0 | 229.8 | 230.7 | -0.417 |
| 22 | 126.0 | 251.8 | 239.7 | 4.80 |
| 23 | 160.0 | 278.0 | 259.7 | 6.57 |
| 24 | 200.0 | 298.7 | 291.1 | 2.56 |
| 25 | 200.0 | 274.7 | 267.7 | 2.56 |
| 26 | 250.0 | 297.8 | 307.3 | -3.18 |
| 27 | 320.0 | 338.1 | 360.6 | -6.68 |
| 28 | 400.0 | 392.8 | 414.5 | -5.51 |
| 29 | 500.0 | 479.2 | 471.6 | 1.58 |
| 30 | 630.0 | 546.7 | 532.3 | 2.64 |
| 31 | 630.0 | 532.9 | 518.8 | 2.64 |
| 32 | 800.0 | 589.0 | 579.4 | 1.64 |



| | | | |
|----------------------|---------------|---------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA | |
| Date Set: RE0125 | Date: 28-3-90 | VALENCIA | |
| Equipment: SYSCALR2E | Sounding: 125 | Azimuth: N-75 | |

DATA SET: 126

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 735.00
 SOUNDING COORDINATES: X: 650700.0000 Y: 4343800.0000

DATE: 27-3-90
 SOUNDING: 126
 AZIMUTH: N-90
 EQUIPMENT: SYSCALR2E

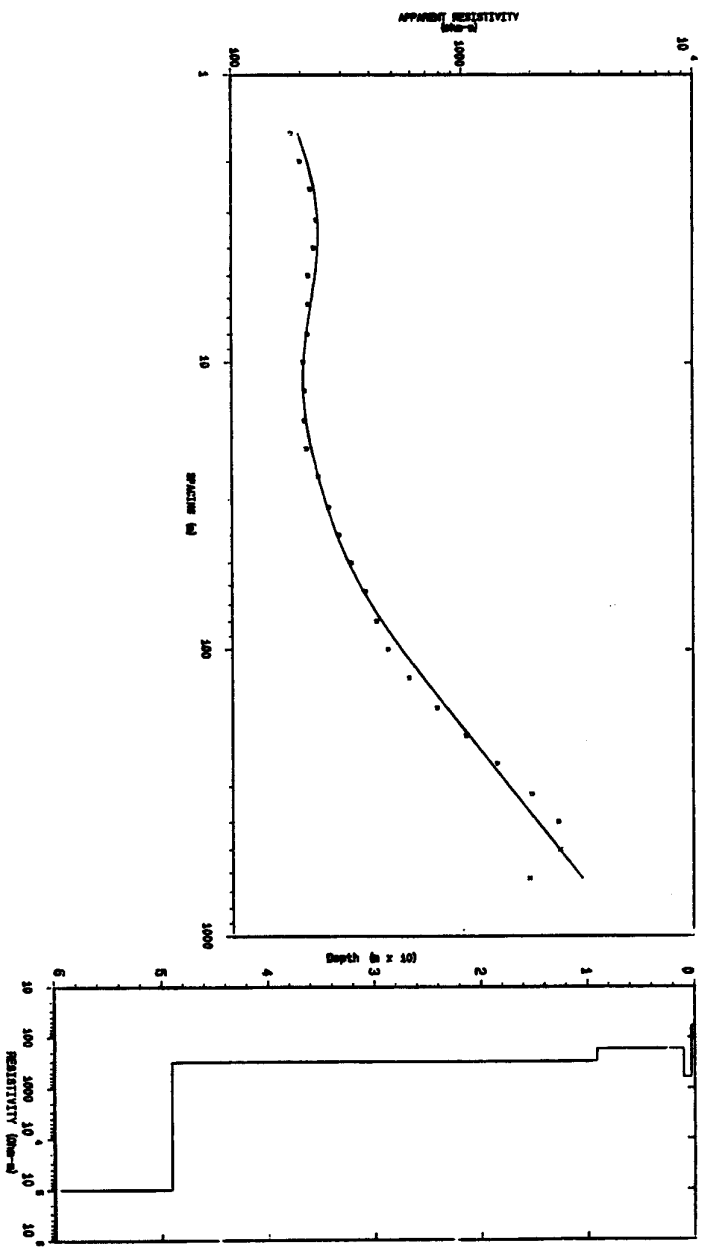
Schlumberger Configuration

FITTING ERROR: 7.670 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANC (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|-------------------------|
| | | | | 735.0 | |
| 1 | 59.30 | | 0.300 | 734.7 | 0.0050t |
| 2 | 616.0 | | 0.700 | 734.0 | 0.00114 |
| 3 | 171.0 | | 8.10 | 725.9 | 0.0473 |
| 4 | 305.0 | | 39.90 | 686.0 | 0.130 |
| 5 | 100000.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 181.3 | 195.3 | -7.75 |
| 2 | 2.00 | 198.5 | 214.8 | -8.23 |
| 3 | 2.50 | 220.7 | 229.5 | -4.00 |
| 4 | 3.20 | 234.3 | 238.1 | -1.63 |
| 5 | 4.00 | 228.7 | 238.2 | -4.15 |
| 6 | 5.00 | 215.8 | 231.9 | -7.45 |
| 7 | 6.30 | 215.6 | 221.7 | -2.84 |
| 8 | 8.00 | 214.2 | 211.1 | 1.41 |
| 9 | 10.00 | 204.8 | 204.7 | 0.00559 |
| 10 | 12.60 | 207.2 | 203.9 | 1.55 |
| 11 | 12.60 | 222.0 | 218.5 | 1.55 |
| 12 | 16.00 | 221.2 | 224.9 | -1.71 |
| 13 | 20.00 | 225.8 | 237.2 | -5.00 |
| 14 | 25.00 | 255.2 | 254.4 | 0.283 |
| 15 | 32.00 | 282.8 | 279.0 | 1.35 |
| 16 | 40.00 | 313.8 | 307.5 | 2.02 |
| 17 | 50.00 | 354.0 | 345.2 | 2.46 |
| 18 | 50.00 | 346.5 | 337.9 | 2.46 |
| 19 | 63.00 | 398.8 | 391.2 | 1.90 |
| 20 | 80.00 | 445.5 | 470.1 | -5.52 |
| 21 | 100.0 | 499.1 | 572.1 | -14.64 |
| 22 | 126.0 | 615.4 | 712.5 | -15.78 |
| 23 | 160.0 | 813.0 | 900.6 | -10.76 |
| 24 | 200.0 | 1086.6 | 1123.0 | -3.34 |
| 25 | 200.0 | 1037.0 | 1071.6 | -3.34 |
| 26 | 250.0 | 1417.6 | 1336.0 | 5.75 |
| 27 | 320.0 | 1998.9 | 1704.1 | 14.74 |
| 28 | 400.0 | 2600.6 | 2121.8 | 18.41 |
| 29 | 500.0 | 2654.8 | 2639.3 | 0.587 |
| 30 | 630.0 | 1949.9 | 3304.6 | -69.47 |



| | | |
|------------|---------------|---------------|
| for: | ITGE | RESISTIVIDAD |
| by: | I. T. G. E. | REQUENA |
| Data Set: | 126 | VALENCIA |
| Equipment: | SYSCALR2E | Azimuth: N-90 |
| | Sounding: 126 | |

DATA SET: REQ127

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 720.00
 SOUNDING COORDINATES: X: 652650.0000 Y: 4347850.0000

DATE: 21-3-90
 SOUNDING: 127
 AZIMUTH: N-85
 EQUIPMENT: SYSCAL2RE

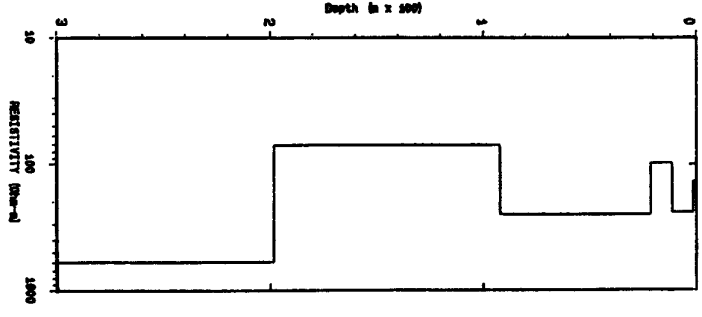
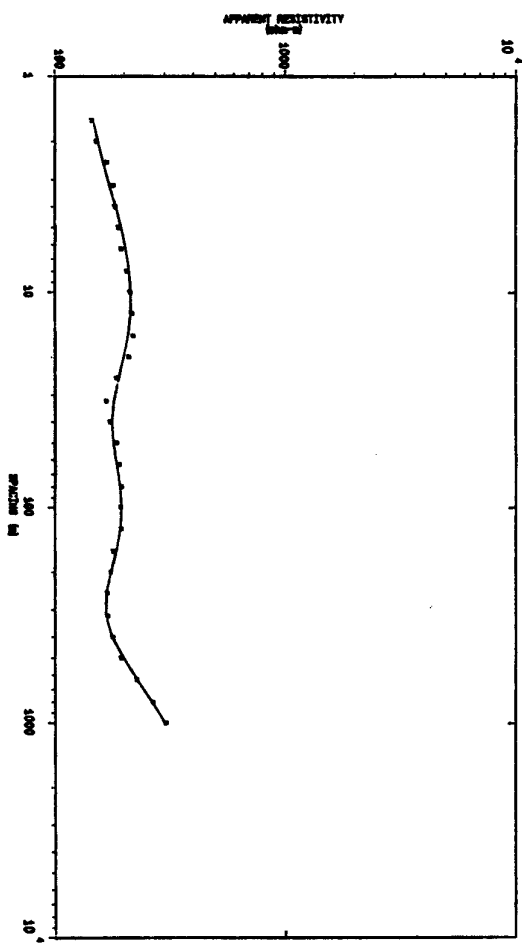
Schlumberger Configuration

FITTING ERROR: 2.780 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 720.0 | |
| 1 | 137.3 | | 1.40 | 718.5 | 0.0102 |
| 2 | 243.6 | | 9.90 | 708.6 | 0.0406 |
| 3 | 98.70 | | 10.00 | 698.6 | 0.101 |
| 4 | 253.5 | | 70.60 | 628.0 | 0.278 |
| 5 | 71.20 | | 106.4 | 521.6 | 1.49 |
| 6 | 598.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 132.0 | 134.4 | -1.83 |
| 2 | 2.00 | 138.3 | 139.9 | -1.18 |
| 3 | 2.50 | 153.3 | 147.4 | 3.89 |
| 4 | 3.20 | 163.6 | 157.5 | 3.68 |
| 5 | 4.00 | 166.7 | 167.5 | -0.524 |
| 6 | 5.00 | 172.5 | 177.3 | -2.78 |
| 7 | 6.30 | 177.1 | 186.0 | -5.03 |
| 8 | 8.00 | 187.6 | 192.5 | -2.65 |
| 9 | 10.00 | 193.8 | 195.6 | -0.964 |
| 10 | 12.60 | 197.3 | 195.1 | 1.16 |
| 11 | 12.60 | 205.6 | 203.2 | 1.16 |
| 12 | 16.00 | 207.8 | 198.0 | 4.72 |
| 13 | 20.00 | 199.6 | 189.6 | 4.96 |
| 14 | 25.00 | 176.0 | 179.8 | -2.19 |
| 15 | 32.00 | 158.7 | 171.1 | -7.81 |
| 16 | 40.00 | 164.8 | 168.0 | -1.99 |
| 17 | 50.00 | 176.5 | 170.3 | 3.49 |
| 18 | 50.00 | 174.7 | 168.5 | 3.49 |
| 19 | 63.00 | 179.5 | 174.3 | 2.88 |
| 20 | 80.00 | 182.7 | 180.3 | 1.29 |
| 21 | 100.0 | 181.6 | 183.0 | -0.791 |
| 22 | 126.0 | 182.3 | 181.0 | 0.717 |
| 23 | 160.0 | 168.8 | 173.9 | -3.02 |
| 24 | 200.0 | 164.2 | 164.5 | -0.229 |
| 25 | 200.0 | 178.7 | 179.1 | -0.229 |
| 26 | 250.0 | 172.5 | 170.8 | 0.964 |
| 27 | 320.0 | 173.5 | 170.2 | 1.87 |
| 28 | 400.0 | 182.0 | 181.1 | 0.476 |
| 29 | 500.0 | 198.3 | 202.8 | -2.22 |
| 30 | 630.0 | 232.6 | 233.8 | -0.531 |
| 31 | 630.0 | 226.8 | 228.1 | -0.531 |
| 32 | 800.0 | 266.5 | 264.9 | 0.596 |
| 33 | 1000.0 | 302.8 | 302.1 | 0.258 |



| | | | |
|----------------------|---------------|---------------|--|
| for: ITGE | | RESISTIVIDAD | |
| by: I.T.G.E. | | REQUENA | |
| Data Set: RE0127 | Date: 21-3-90 | VALENCIA | |
| Equipment: SYSCAL2RE | Sounding: 127 | Azimuth: N-85 | |

DATA SET: REQ128

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 725.00
 SOUNDING COORDINATES: X: 652100.0000 Y: 4345950.0000

DATE: 26-3-90
 SOUNDING: 128
 AZIMUTH: N-95
 EQUIPMENT: SYSCALR2E

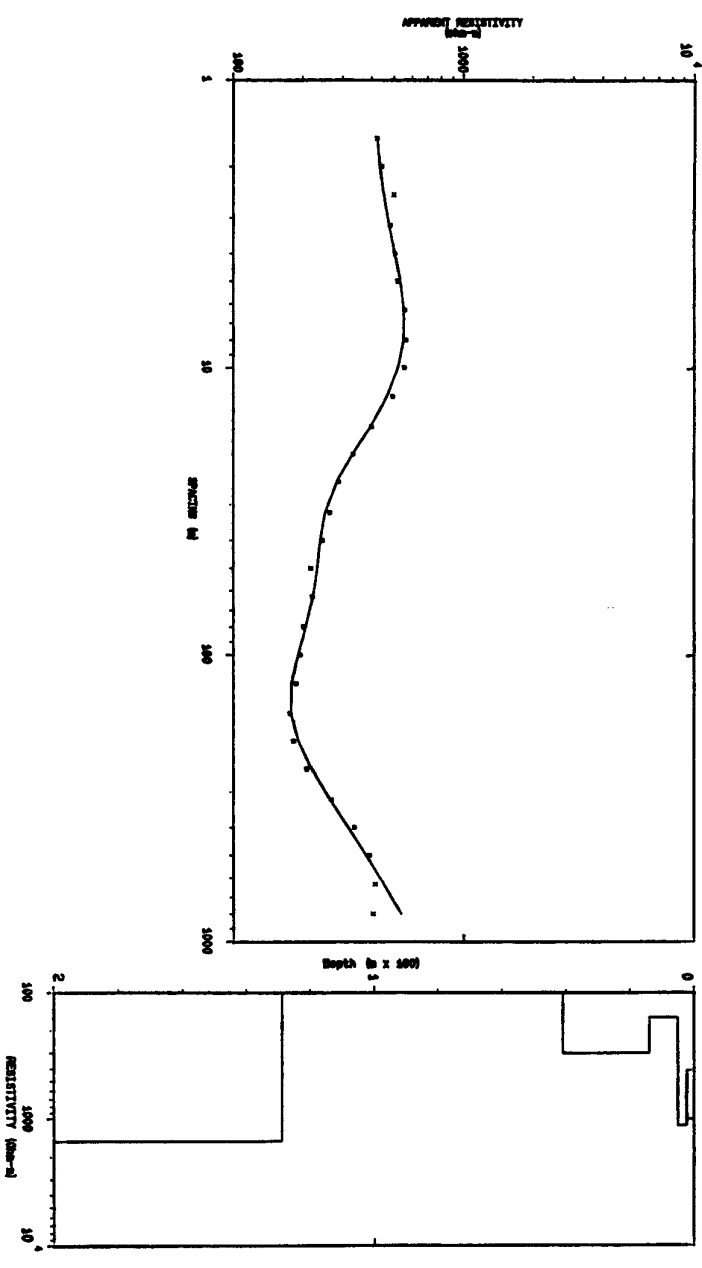
Schlumberger Configuration

FITTING ERROR: 4.017 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 725.0 | |
| 1 | 409.0 | | 2.20 | 722.7 | 0.00538 |
| 2 | 1132.0 | | 2.80 | 720.0 | 0.00247 |
| 3 | 157.0 | | 9.00 | 711.0 | 0.0573 |
| 4 | 300.0 | | 27.00 | 684.0 | 0.0900 |
| 5 | 100.0 | | 88.00 | 596.0 | 0.880 |
| 6 | 1500.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA (ohm-m) | | DIFFERENCE (percent) |
|-----|----------------|------------|-----------|-------------------------|
| | | DATA | SYNTHETIC | |
| 1 | 1.60 | 511.5 | 514.3 | -0.556 |
| 2 | 2.00 | 534.7 | 526.9 | 1.45 |
| 3 | 2.50 | 607.5 | 546.9 | 9.96 |
| 4 | 3.20 | 584.4 | 578.8 | 0.943 |
| 5 | 4.00 | 613.0 | 614.2 | -0.209 |
| 6 | 5.00 | 631.0 | 648.7 | -2.81 |
| 7 | 6.30 | 678.2 | 671.7 | 0.955 |
| 8 | 8.00 | 685.5 | 668.4 | 2.48 |
| 9 | 10.00 | 674.7 | 633.2 | 6.14 |
| 10 | 12.60 | 599.0 | 566.1 | 5.47 |
| 11 | 12.60 | 575.4 | 543.8 | 5.47 |
| 12 | 16.00 | 464.8 | 459.9 | 1.07 |
| 13 | 20.00 | 388.2 | 384.7 | 0.880 |
| 14 | 25.00 | 337.2 | 328.4 | 2.60 |
| 15 | 32.00 | 307.3 | 293.3 | 4.56 |
| 16 | 40.00 | 285.7 | 279.2 | 2.24 |
| 17 | 50.00 | 253.5 | 270.6 | -6.75 |
| 18 | 50.00 | 229.2 | 244.6 | -6.75 |
| 19 | 63.00 | 232.3 | 233.9 | -0.659 |
| 20 | 80.00 | 212.8 | 217.7 | -2.32 |
| 21 | 100.0 | 206.1 | 201.1 | 2.41 |
| 22 | 126.0 | 197.6 | 188.6 | 4.54 |
| 23 | 160.0 | 185.3 | 187.7 | -1.33 |
| 24 | 200.0 | 192.3 | 202.1 | -5.12 |
| 25 | 200.0 | 183.1 | 192.4 | -5.12 |
| 26 | 250.0 | 209.3 | 220.7 | -5.44 |
| 27 | 320.0 | 269.2 | 266.6 | 0.930 |
| 28 | 400.0 | 339.2 | 319.3 | 5.86 |
| 29 | 500.0 | 392.8 | 381.1 | 2.99 |
| 30 | 630.0 | 417.0 | 454.4 | -8.97 |
| 31 | 630.0 | 414.3 | 451.5 | -8.97 |
| 32 | 800.0 | 405.2 | 536.3 | -32.32 |



| | |
|---------------------|---------------|
| for: ITGE | RESISTIVIDAD |
| by: I.T.G.E. | REQUENA |
| Data Set: RE0128 | VALENCIA |
| Equipment: SYSCALRE | Azimuth: N-95 |
| Date: 26-3-90 | |
| Sounding: 128 | |

DATA SET: REQ129

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 725.00
 SOUNDING COORDINATES: X: 653650.0000 Y: 4346050.0000

DATE: 26-3-90
 SOUNDING: 129
 AZIMUTH: N-90
 EQUIPMENT: SYSCALR2E

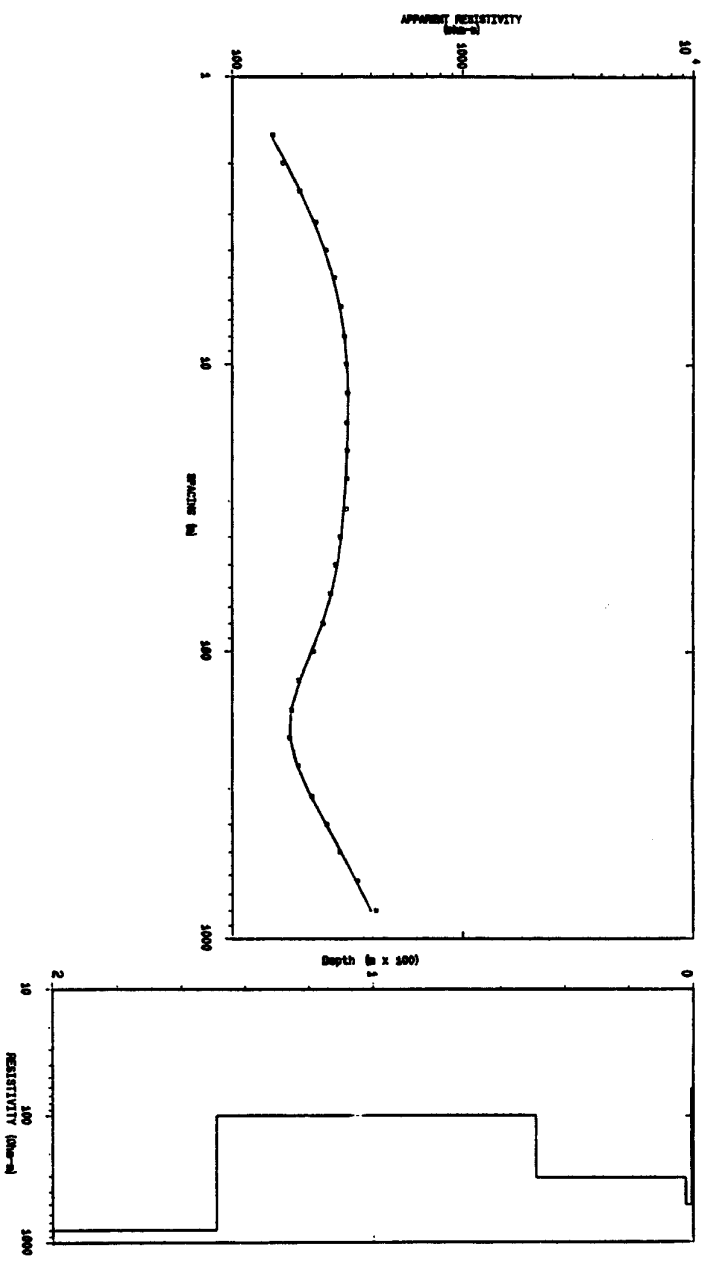
Schlumberger Configuration

FITTING ERROR: 1.692 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 725.0 | |
| 1 | 61.00 | | 0.500 | 724.5 | 0.00820 |
| 2 | 510.0 | | 1.80 | 722.7 | 0.00353 |
| 3 | 311.0 | | 46.70 | 676.0 | 0.150 |
| 4 | 100.0 | | 100.0 | 576.0 | 1.00 |
| 5 | 800.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 149.1 | 146.0 | 2.06 |
| 2 | 2.00 | 164.5 | 170.3 | -3.57 |
| 3 | 2.50 | 194.6 | 196.4 | -0.930 |
| 4 | 3.20 | 229.8 | 225.7 | 1.78 |
| 5 | 4.00 | 255.7 | 251.3 | 1.71 |
| 6 | 5.00 | 278.7 | 274.1 | 1.66 |
| 7 | 6.30 | 297.7 | 293.4 | 1.47 |
| 8 | 8.00 | 307.0 | 307.4 | -0.149 |
| 9 | 10.00 | 312.8 | 315.0 | -0.691 |
| 10 | 12.60 | 316.6 | 318.1 | -0.480 |
| 11 | 12.60 | 276.6 | 277.9 | -0.480 |
| 12 | 16.00 | 274.7 | 277.4 | -0.976 |
| 13 | 20.00 | 276.0 | 275.2 | 0.261 |
| 14 | 25.00 | 275.6 | 271.9 | 1.32 |
| 15 | 32.00 | 273.1 | 266.8 | 2.28 |
| 16 | 40.00 | 257.0 | 260.1 | -1.22 |
| 17 | 50.00 | 245.5 | 250.2 | -1.91 |
| 18 | 50.00 | 250.6 | 255.4 | -1.91 |
| 19 | 63.00 | 237.8 | 240.1 | -0.978 |
| 20 | 80.00 | 220.6 | 218.9 | 0.767 |
| 21 | 100.0 | 200.1 | 196.0 | 2.04 |
| 22 | 126.0 | 171.8 | 173.8 | -1.14 |
| 23 | 160.0 | 160.3 | 159.1 | 0.753 |
| 24 | 200.0 | 156.8 | 157.6 | -0.569 |
| 25 | 200.0 | 162.3 | 163.2 | -0.569 |
| 26 | 250.0 | 177.0 | 175.2 | 0.997 |
| 27 | 320.0 | 203.8 | 202.0 | 0.834 |
| 28 | 400.0 | 236.2 | 235.2 | 0.405 |
| 29 | 500.0 | 270.3 | 274.0 | -1.34 |
| 30 | 630.0 | 323.0 | 318.4 | 1.40 |
| 31 | 630.0 | 352.0 | 347.0 | 1.40 |
| 32 | 800.0 | 422.1 | 400.5 | 5.11 |



for: ITGE
 by: I. T. G. E.
 Date Set: RE0129 Date: 26-3-90
 Equipment: SYSCALR2E Sounding: 129

RESISTIVIDAD
 REQUENA
 VALENCIA
 Azimuth: N-90

DATA SET: REQ130

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 740.00
 SOUNDING COORDINATES: X: 653950.0000 Y: 4344050.0000

DATE: 23-3-90
 SOUNDING: 130
 AZIMUTH: N-95
 EQUIPMENT: SYSCALR2E

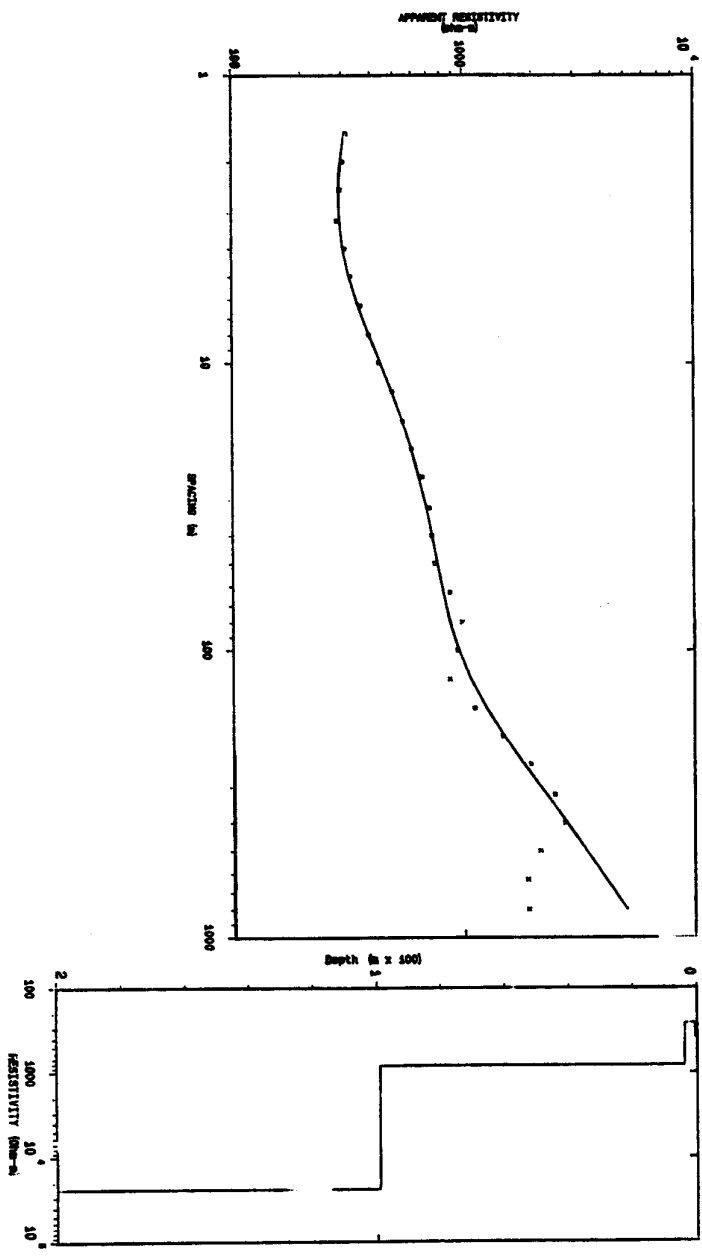
Schlumberger Configuration

FITTING ERROR: 3.943 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 740.0 | |
| 1 | 394.0 | | 0.500 | 739.5 | 0.00127 |
| 2 | 263.0 | | 3.30 | 736.2 | 0.0125 |
| 3 | 832.0 | | 95.20 | 641.0 | 0.114 |
| 4 | 24023.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|--------|-------------------------|-------------------------|
| 1 | 1.60 | 381.3 | 374.6 | 1.76 |
| 2 | 2.00 | 370.0 | 361.2 | 2.36 |
| 3 | 2.50 | 359.7 | 354.7 | 1.40 |
| 4 | 3.20 | 348.8 | 357.0 | -2.32 |
| 5 | 4.00 | 377.6 | 369.0 | 2.25 |
| 6 | 5.00 | 399.5 | 392.3 | 1.79 |
| 7 | 6.30 | 441.0 | 429.2 | 2.66 |
| 8 | 8.00 | 478.5 | 480.2 | -0.374 |
| 9 | 10.00 | 527.4 | 536.8 | -1.79 |
| 10 | 12.60 | 600.7 | 600.5 | 0.0352 |
| 11 | 12.60 | 601.0 | 600.7 | 0.0352 |
| 12 | 16.00 | 669.0 | 668.1 | 0.129 |
| 13 | 20.00 | 729.2 | 729.5 | -0.0520 |
| 14 | 25.00 | 811.7 | 787.6 | 2.95 |
| 15 | 32.00 | 872.4 | 846.7 | 2.93 |
| 16 | 40.00 | 893.5 | 895.7 | -0.251 |
| 17 | 50.00 | 917.4 | 943.0 | -2.80 |
| 18 | 50.00 | 978.2 | 1005.5 | -2.80 |
| 19 | 63.00 | 1135.0 | 1062.1 | 6.41 |
| 20 | 80.00 | 1276.0 | 1136.4 | 10.93 |
| 21 | 100.0 | 1220.0 | 1236.1 | -1.32 |
| 22 | 126.0 | 1128.0 | 1391.4 | -23.35 |
| 23 | 160.0 | 1448.0 | 1632.8 | -12.76 |
| 24 | 200.0 | 1924.0 | 1951.9 | -1.45 |
| 25 | 200.0 | 1907.0 | 1934.6 | -1.45 |
| 26 | 250.0 | 2515.0 | 2352.0 | 6.48 |
| 27 | 320.0 | 3189.0 | 2939.7 | 7.81 |
| 28 | 400.0 | 3533.0 | 3593.9 | -1.72 |
| 29 | 500.0 | 2745.0 | 4377.9 | -59.48 |
| 30 | 630.0 | 2417.0 | 5342.7 | -121.0 |
| 31 | 630.0 | 1880.0 | 4155.7 | -121.0 |
| 32 | 800.0 | 1896.0 | 5071.8 | -167.5 |



for: ITGE
 by: I.T.G.E.
 Data Set: REQ130 Date: 23-3-90
 Equipment: SYSCALR2E Sounding: 130

RESISTIVIDAD
 REQUENA
 VALENCIA
 Azimuth: N-95

DATA SET: REQ131

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 735.00
 SOUNDING COORDINATES: X: 654850.0000 Y: 4346050.0000

DATE: 23-3-90
 SOUNDING: 131
 AZIMUTH: N-115
 EQUIPMENT: SYSCALR2E

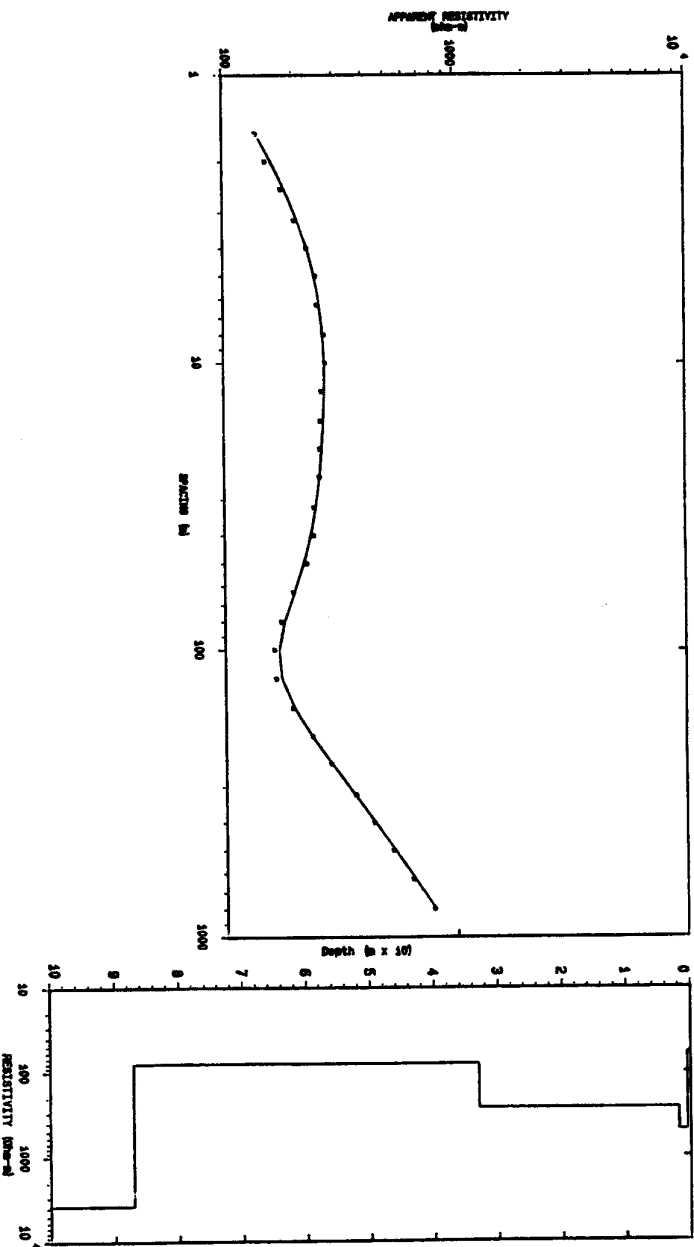
Schlumberger Configuration

FITTING ERROR: 2.681 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 735.0 | |
| 1 | 59.00 | | 0.500 | 734.5 | 0.00847 |
| 2 | 495.0 | | 1.30 | 733.2 | 0.00263 |
| 3 | 266.0 | | 31.20 | 702.0 | 0.117 |
| 4 | 80.00 | | 54.00 | 648.0 | 0.675 |
| 5 | 3758.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 147.8 | 148.8 | -0.632 |
| 2 | 2.00 | 162.6 | 172.6 | -6.19 |
| 3 | 2.50 | 190.2 | 197.4 | -3.81 |
| 4 | 3.20 | 216.8 | 224.3 | -3.47 |
| 5 | 4.00 | 245.3 | 246.4 | -0.427 |
| 6 | 5.00 | 267.8 | 264.9 | 1.11 |
| 7 | 6.30 | 271.1 | 278.9 | -2.90 |
| 8 | 8.00 | 290.2 | 287.6 | 0.872 |
| 9 | 10.00 | 293.1 | 290.9 | 0.734 |
| 10 | 12.60 | 283.1 | 290.5 | -2.64 |
| 11 | 12.60 | 282.5 | 289.9 | -2.64 |
| 12 | 16.00 | 278.6 | 286.8 | -2.97 |
| 13 | 20.00 | 277.1 | 282.1 | -1.83 |
| 14 | 25.00 | 274.0 | 275.4 | -0.545 |
| 15 | 32.00 | 259.1 | 264.8 | -2.20 |
| 16 | 40.00 | 258.3 | 251.0 | 2.85 |
| 17 | 50.00 | 239.7 | 232.8 | 2.86 |
| 18 | 50.00 | 232.8 | 226.2 | 2.86 |
| 19 | 63.00 | 202.7 | 205.0 | -1.15 |
| 20 | 80.00 | 179.3 | 185.0 | -3.17 |
| 21 | 100.0 | 166.8 | 175.1 | -4.92 |
| 22 | 126.0 | 169.6 | 179.9 | -6.10 |
| 23 | 160.0 | 200.3 | 204.2 | -1.97 |
| 24 | 200.0 | 244.3 | 243.8 | 0.218 |
| 25 | 200.0 | 235.2 | 234.6 | 0.218 |
| 26 | 250.0 | 283.3 | 286.6 | -1.13 |
| 27 | 320.0 | 361.1 | 359.1 | 0.528 |
| 28 | 400.0 | 432.7 | 439.3 | -1.53 |
| 29 | 500.0 | 523.0 | 535.1 | -2.29 |
| 30 | 630.0 | 637.7 | 652.8 | -2.36 |
| 31 | 630.0 | 645.5 | 660.7 | -2.36 |
| 32 | 800.0 | 795.2 | 806.0 | -1.35 |



| | |
|----------------------|----------------|
| for: ITGE | RESISTIVIDAD |
| by: I.T.G.E. | REQUENA |
| Data Set: RE0131 | VALENCIA |
| Equipment: SYSCALPR2 | Azimuth: N-115 |
| Date: 23-3-90 | |
| Sounding: 131 | |

DATA SET: REQ132

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 740.00
 SOUNDING COORDINATES: X: 655850.0000 Y: 4347450.0000

DATE: 21-3-90
 SOUNDING: 132
 AZIMUTH: N-120
 EQUIPMENT: GEOTRON

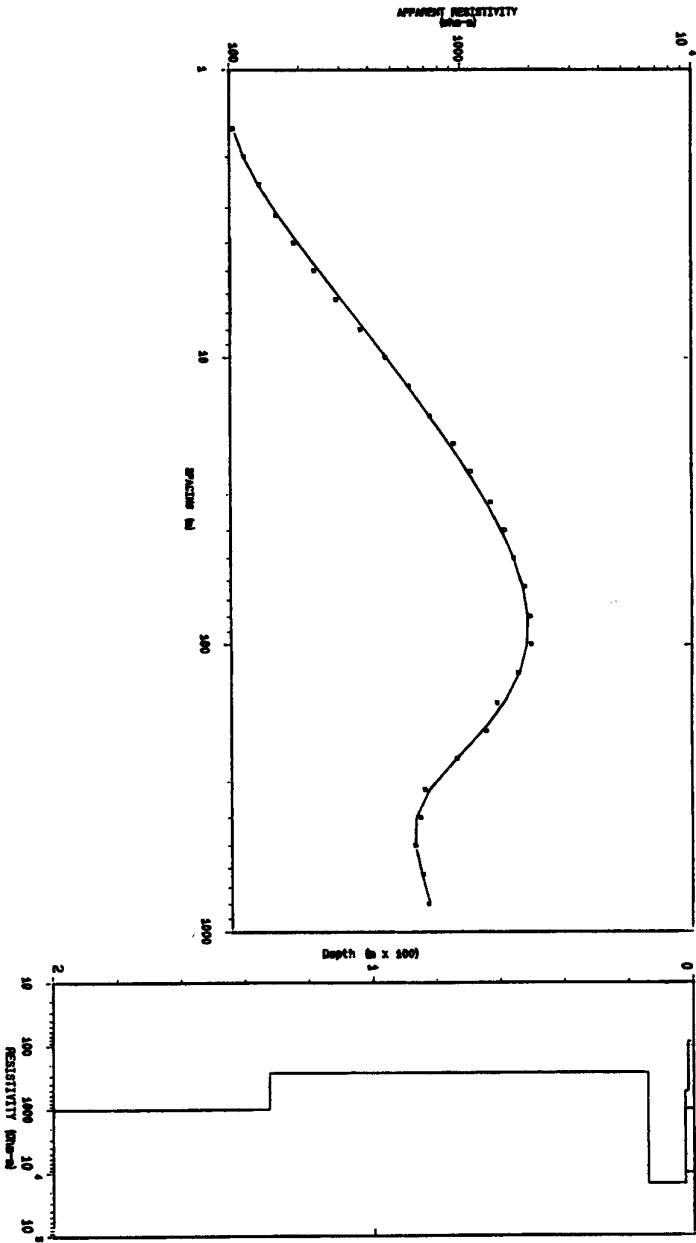
Schlumberger Configuration

FITTING ERROR: 3.242 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 740.0 | |
| 1 | 88.00 | | 1.60 | 738.4 | 0.0181 |
| 2 | 538.0 | | 1.00 | 737.4 | 0.00186 |
| 3 | 15229.0 | | 11.70 | 725.7 | 7.683E-04 |
| 4 | 268.2 | | 118.4 | 607.2 | 0.441 |
| 5 | 1009.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|---------|----------------------|-------------------------|
| 1 | 1.60 | 66.40 | 66.63 | -0.349 |
| 2 | 2.00 | 74.40 | 74.03 | 0.491 |
| 3 | 2.50 | 86.40 | 85.48 | 1.06 |
| 4 | 3.20 | 102.0 | 104.1 | -2.12 |
| 5 | 4.00 | 122.0 | 127.4 | -4.46 |
| 6 | 5.00 | 148.8 | 157.6 | -5.85 |
| 7 | 6.30 | 186.2 | 197.0 | -5.84 |
| 8 | 8.00 | 237.0 | 248.1 | -4.68 |
| 9 | 10.00 | 303.2 | 306.7 | -1.17 |
| 10 | 12.60 | 384.2 | 380.4 | 0.978 |
| 11 | 12.60 | 410.5 | 406.4 | 0.978 |
| 12 | 16.00 | 506.8 | 504.4 | 0.480 |
| 13 | 20.00 | 639.7 | 612.2 | 4.31 |
| 14 | 25.00 | 758.5 | 735.3 | 3.05 |
| 15 | 32.00 | 925.5 | 886.0 | 4.27 |
| 16 | 40.00 | 1064.0 | 1027.9 | 3.39 |
| 17 | 50.00 | 1164.9 | 1162.5 | 0.197 |
| 18 | 50.00 | 1076.0 | 1073.8 | 0.197 |
| 19 | 63.00 | 1201.8 | 1178.1 | 1.96 |
| 20 | 80.00 | 1271.8 | 1236.8 | 2.74 |
| 21 | 100.0 | 1277.5 | 1226.9 | 3.95 |
| 22 | 126.0 | 1124.0 | 1139.6 | -1.38 |
| 23 | 160.0 | 906.2 | 974.9 | -7.57 |
| 24 | 200.0 | 810.0 | 783.6 | 3.27 |
| 25 | 200.0 | 1056.3 | 1021.7 | 3.27 |
| 26 | 250.0 | 787.5 | 784.5 | 0.379 |
| 27 | 320.0 | 572.5 | 599.4 | -4.70 |
| 28 | 400.0 | 546.5 | 523.7 | 4.18 |
| 29 | 500.0 | 517.5 | 518.1 | -0.130 |
| 30 | 630.0 | 560.5 | 552.3 | 1.47 |
| 31 | 630.0 | 679.0 | 668.9 | 1.47 |
| 32 | 800.0 | 717.4 | 727.7 | -1.44 |



| | |
|-------------------|----------------|
| for: ITGE | RESISTIVIDAD |
| by: I.T.G.E. | REQUENA |
| Data Set: RE0132 | VALENCIA |
| Equipment: GEOROM | Azimuth: N-120 |
| Date: 21-3-90 | |
| Sounding: 132 | |

DATA SET: REQ133

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 740.00
 SOUNDING COORDINATES: X: 65590.0000 Y: 4346000.0000

DATE: 2-3-90
 SOUNDING: 133
 AZIMUTH: N-115
 EQUIPMENT: SYSCALR2E

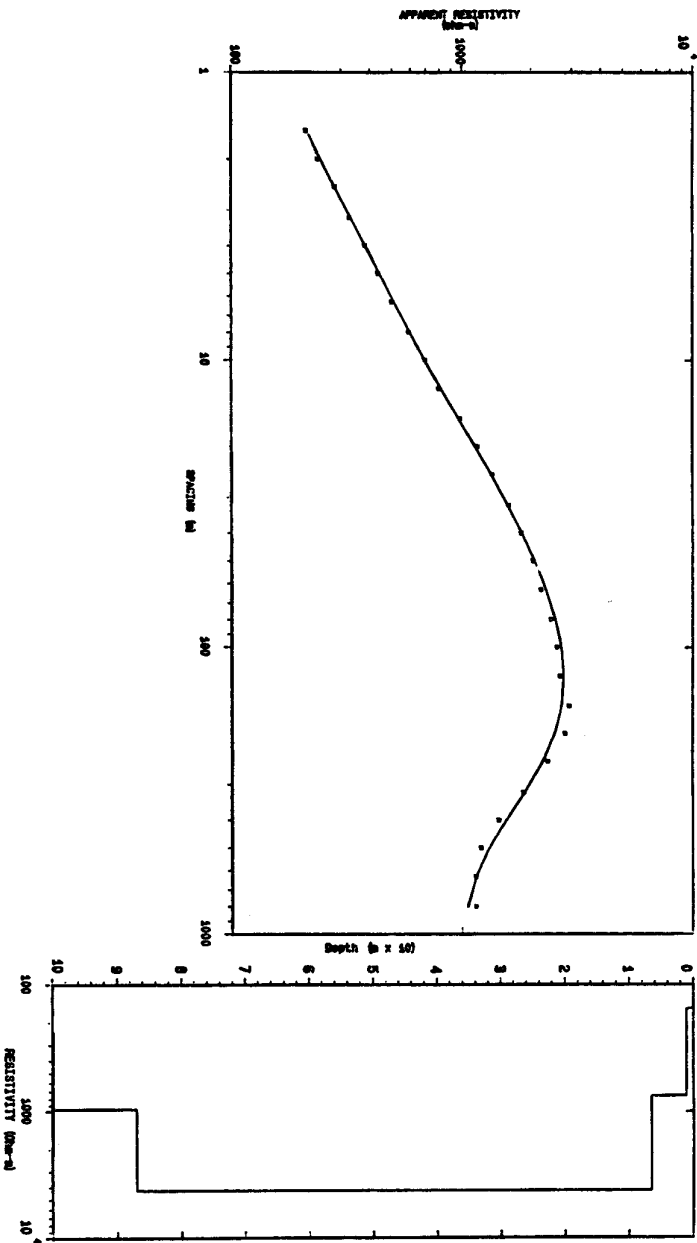
Schlumberger Configuration

FITTING ERROR: 4.475 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANCE (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|--------------------------|
| | | | | 740.0 | |
| 1 | 154.3 | | 1.00 | 739.0 | 0.00648 |
| 2 | 756.4 | | 5.50 | 733.5 | 0.00727 |
| 3 | 4262.0 | | 80.40 | 653.0 | 0.0188 |
| 4 | 963.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | PA DATA | (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|------------|----------------------|-------------------------|
| 1 | 1.60 | 180.6 | 183.3 | -1.52 |
| 2 | 2.00 | 204.2 | 209.3 | -2.50 |
| 3 | 2.50 | 241.3 | 241.8 | -0.176 |
| 4 | 3.20 | 280.7 | 284.5 | -1.38 |
| 5 | 4.00 | 326.8 | 328.8 | -0.610 |
| 6 | 5.00 | 372.2 | 378.9 | -1.82 |
| 7 | 6.30 | 427.1 | 438.5 | -2.68 |
| 8 | 8.00 | 506.3 | 511.5 | -1.01 |
| 9 | 10.00 | 595.7 | 594.4 | 0.220 |
| 10 | 12.60 | 684.7 | 700.1 | -2.24 |
| 11 | 12.60 | 632.4 | 646.5 | -2.24 |
| 12 | 16.00 | 780.5 | 770.5 | 1.28 |
| 13 | 20.00 | 928.4 | 908.5 | 2.13 |
| 14 | 25.00 | 1077.9 | 1066.9 | 1.01 |
| 15 | 32.00 | 1276.0 | 1262.6 | 1.04 |
| 16 | 40.00 | 1440.0 | 1453.3 | -0.925 |
| 17 | 50.00 | 1618.0 | 1649.8 | -1.96 |
| 18 | 50.00 | 1656.0 | 1688.5 | -1.96 |
| 19 | 63.00 | 1792.0 | 1890.9 | -5.52 |
| 20 | 80.00 | 1980.0 | 2074.3 | -4.76 |
| 21 | 100.0 | 2096.0 | 2198.7 | -4.89 |
| 22 | 126.0 | 2164.0 | 2252.7 | -4.10 |
| 23 | 160.0 | 2373.0 | 2203.8 | 7.12 |
| 24 | 200.0 | 2277.0 | 2053.7 | 9.80 |
| 25 | 200.0 | 2525.0 | 2277.4 | 9.80 |
| 26 | 250.0 | 2117.0 | 2018.2 | 4.66 |
| 27 | 320.0 | 1666.0 | 1681.1 | -0.911 |
| 28 | 400.0 | 1301.0 | 1396.4 | -7.33 |
| 29 | 500.0 | 1086.0 | 1177.0 | -8.38 |
| 30 | 630.0 | 1030.0 | 1031.5 | -0.150 |
| 31 | 630.0 | 1146.0 | 1147.7 | -0.150 |
| 32 | 800.0 | 1149.0 | 1057.6 | 7.94 |



| | |
|----------------------|----------------|
| for: ITGE | RESISTIVIDAD |
| by: I.T.G.E. | REQUENA |
| Data Set: RE0133 | VALENCIA |
| Equipment: SYSCALR2E | Azimuth: N-115 |
| Date: 2-3-90 | |
| Sounding: 133 | |

DATA SET: 134

CLIENT: ITGE
 LOCATION: REQUENA
 COUNTY: VALENCIA
 PROJECT: RESISTIVIDAD
 ELEVATION: 750.00
 SOUNDING COORDINATES: X: 656200.0000 Y: 4344200.0000

DATE: 22-3-90
 SOUNDING: 134
 AZIMUTH: N-115
 EQUIPMENT: SYSCALR2E

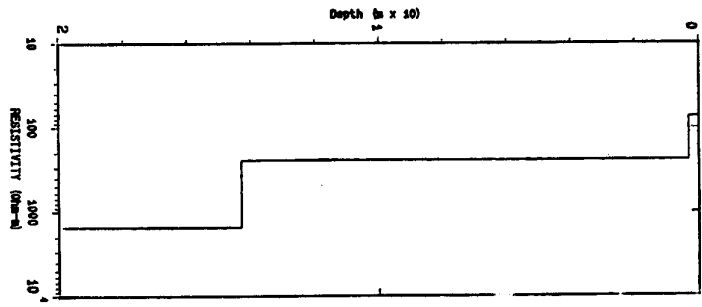
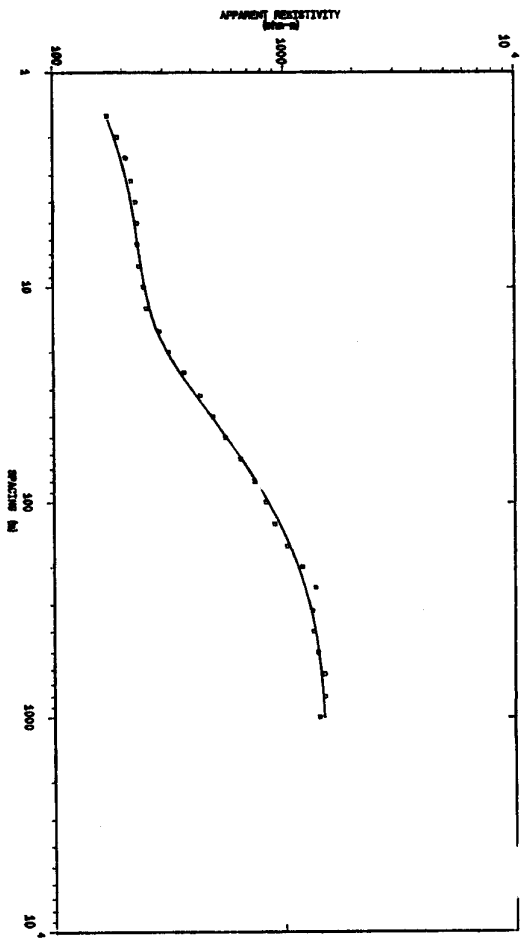
Schlumberger Configuration

FITTING ERROR: 3.604 PERCENT

| L # | RESISTIVITY (ohm-m) | CHARGEABILITY (pfe) | THICKNESS (meters) | ELEVATION (meters) | CONDUCTANC (Siemens) |
|-----|------------------------|------------------------|-----------------------|-----------------------|-------------------------|
| 1 | 74.30 | | 0.300 | 750.0 749.7 | 0.00404 0.0575 |
| 2 | 243.1 | | 14.00 | 735.7 | |
| 3 | 1526.0 | | | | |

ALL PARAMETERS ARE FREE

| No. | Spacing (m) | DATA | PA (ohm-m) SYNTHETIC | DIFFERENCE (percent) |
|-----|----------------|--------|-------------------------|-------------------------|
| 1 | 1.60 | 89.90 | 89.15 | 0.824 |
| 2 | 2.00 | 99.70 | 96.48 | 3.22 |
| 3 | 2.50 | 108.7 | 103.1 | 5.11 |
| 4 | 3.20 | 114.6 | 109.5 | 4.40 |
| 5 | 4.00 | 119.8 | 114.4 | 4.44 |
| 6 | 5.00 | 121.8 | 118.6 | 2.59 |
| 7 | 6.30 | 121.8 | 122.4 | -0.531 |
| 8 | 8.00 | 123.8 | 126.4 | -2.11 |
| 9 | 10.00 | 129.2 | 130.9 | -1.36 |
| 10 | 12.60 | 132.8 | 137.7 | -3.61 |
| 11 | 12.60 | 133.8 | 138.6 | -3.61 |
| 12 | 16.00 | 152.8 | 149.5 | 2.13 |
| 13 | 20.00 | 167.5 | 165.0 | 1.44 |
| 14 | 25.00 | 196.0 | 187.2 | 4.47 |
| 15 | 32.00 | 229.3 | 220.0 | 4.05 |
| 16 | 40.00 | 259.6 | 256.8 | 1.07 |
| 17 | 50.00 | 294.6 | 299.0 | -1.52 |
| 18 | 50.00 | 295.2 | 299.7 | -1.52 |
| 19 | 63.00 | 343.0 | 348.2 | -1.51 |
| 20 | 80.00 | 395.0 | 401.9 | -1.74 |
| 21 | 100.0 | 441.3 | 453.9 | -2.84 |
| 22 | 126.0 | 481.2 | 508.0 | -5.56 |
| 23 | 160.0 | 542.5 | 562.3 | -3.63 |
| 24 | 200.0 | 633.2 | 609.5 | 3.74 |
| 25 | 200.0 | 907.2 | 873.2 | 3.74 |
| 26 | 250.0 | 1035.0 | 934.1 | 9.74 |
| 27 | 320.0 | 1000.5 | 991.8 | 0.877 |
| 28 | 400.0 | 1010.5 | 1034.4 | -2.37 |
| 29 | 500.0 | 1059.3 | 1068.3 | -0.853 |
| 30 | 630.0 | 1130.9 | 1094.9 | 3.17 |
| 31 | 630.0 | 1494.5 | 1447.0 | 3.17 |
| 32 | 800.0 | 1497.0 | 1473.3 | 1.58 |
| 33 | 1000.0 | 1418.8 | 1490.6 | -5.06 |



for: ITGE
 by: I.T.G.E.
 Data Set: 134
 Equipment: SYSCALR2E

Date: 22-3-90
 Sounding: 134
 RESISTIVIDAD
 REQUENA
 VALENCIA
 Azimuth: N-115

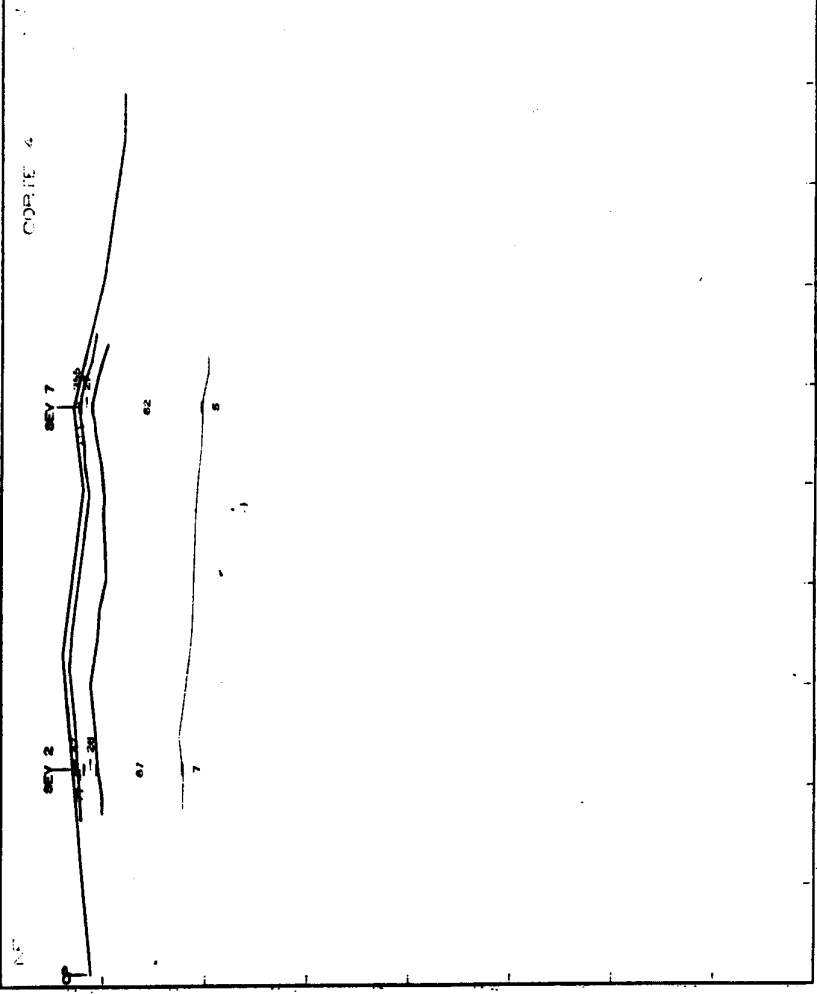
CORTES GEOELECTRICOS N. 4,5,6,7,8,9,10,11

CORTE GEOELECTRICO N° 4

PROYECTO: PROYECCION DE
 LOCALIDAD: REGUENA (VALPARAISO)
 FECHA: 1-9-80
 AUTOR: Ignacio Andrade
 ESCALA H: 25000
 ESCALA V: 5000
 P. MED: SE NW

LEYENDA

- SEV-24 NUMERO DE SEV.
- COL-3 NUMERO DE COLUMNA
- RIO CRUCE CON RIO
- CP. C. PPAL.
- C.S. C. SEC.
- FER. FERROCARRIL
- L.F. TENSIÓN
- Z340 VALOR DE RESISTIVIDAD (ohm.m)
- GRAVA LITOLOGIA
- PERFIL TOPOGRAFICO
- LIMITE ISOPRESTISTIVO
- LIMITE ISOPRESTISTIVO SUPUESTO



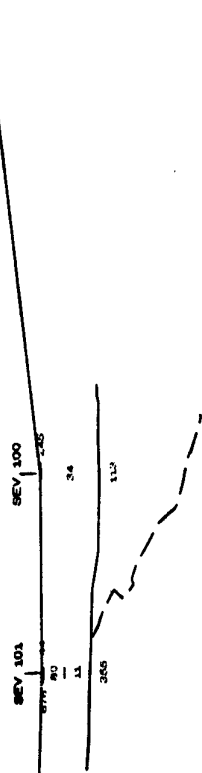
CORTE GEOELECTRICO N^o 5

PROYECTO: PRESERVISION GE.
 LOCALIDAD: BELLETERA (Municipalidad)
 FECHA: 1-9-48
 AUTOR: IGNACIO ARIPE
 ESCALA H: 25000
 ESCALA V: 5000
 PLAN: SE N^o

LEYENDA

SEV-24 NUMERO DE SEV.
 CAL-3 NUMERO DE COLUMNA
 RTO CRUCE CON RTO
 C.P. C. SPAL
 C.S. C. SEC.
 FER. FERROCARRIL
 L.T. TENSION
 2540 VALOR DE RESISTIVIDAD NOM.
 GRAVA LITOLOGIA
 PERFIL TOPOGRAFICO
 LIMITE ISOPRESISTIVO
 LIMITE ISOPRESISTIVO SURFETOS

CORTE 5

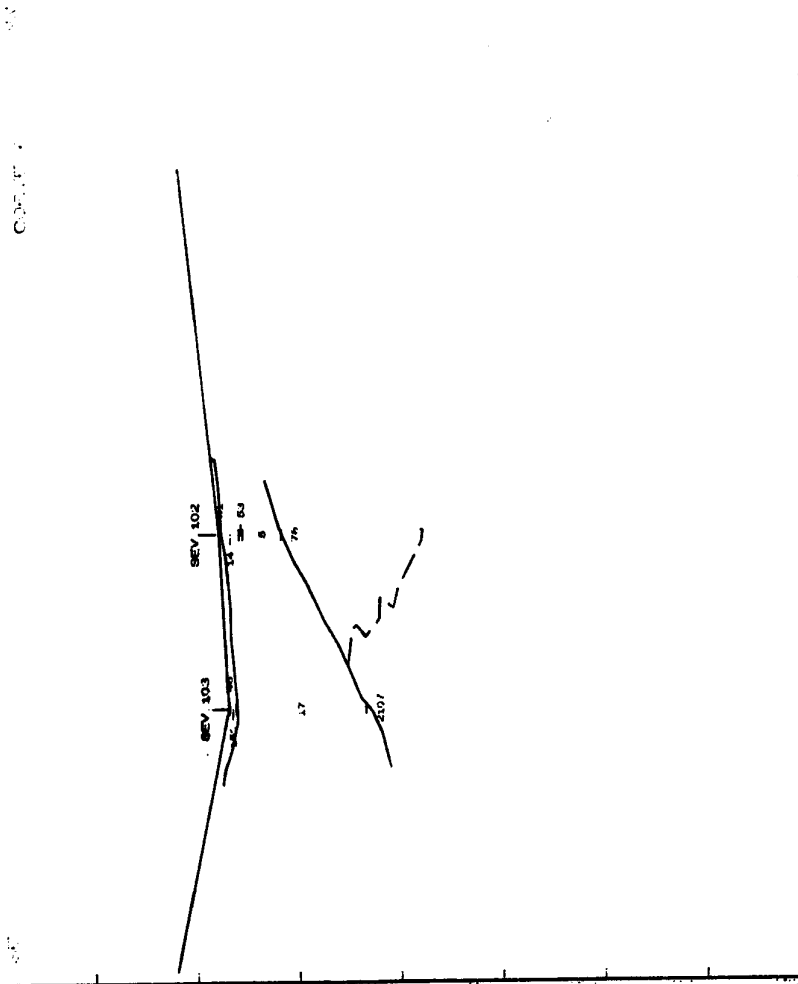


CORTE GEOELECTRICO NRO. 6

PROYECTO PROSECCION GE.
 LOCALIDAD REGIENA (VALPARAISO)
 FECHA 1-9-80
 AUTOR Ignacio Arce
 ESCALA H. 25000
 ESCALA V. 5000
 PUNTO SE NW

LEYENDA

SEV-24 NUMERO DE SEV.
 COL-3 NUMERO DE COLUMNA
 RIO CRUCE CON RIO
 GP. C. OPAL
 U.S. C. SEC.
 FER FERROCARRIL
 L.F. TENSION
 2340 VALOR DE RESISTIVIDAD (OHM)
 GRAVA LITOLOGIA
 PERFIL TOPOGRAFICO
 LIMITE ISORESISTIVO
 LIMITE ISOPRESISTIVO SUPUESTO



CORTE GEOELECTRICO NO. 7

PROYECTO: PROSPECCION G.E.
 LOCALIDAD: REGUENIA (Valencia)
 FECHA: 1-9-60
 AUTOR: Ignacio Arbe
 ESCALA H: 25000
 ESCALA V: 5000
 RUNGO: NE S4

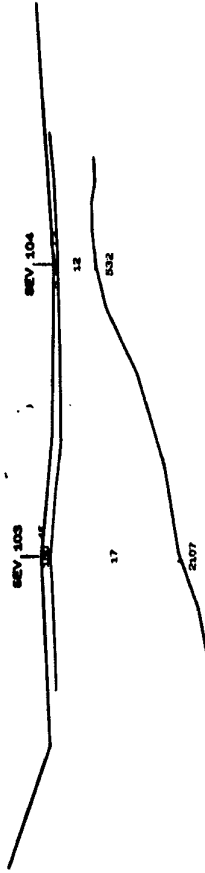
LEYENDA

- SEV-24 NUMERO DE SEV.
- COL-3 NUMERO DE COLUMNA.
- RIO CRUCE CON RIO
- C.P. C. PRAL.
- C.S. C. SEC.
- FER FERROCARRIL
- L.f. L. TENSION
- 2340 VALOR DE RESISTIVIDAD (ohm-cm)
- GRAVA LITOLOGIA
- PENFIL TOPOGRAFICO
- LIMITE ISORESISTIVO
- LIMITE ISORESISTIVO SUPUESTO

W

CORTE 7

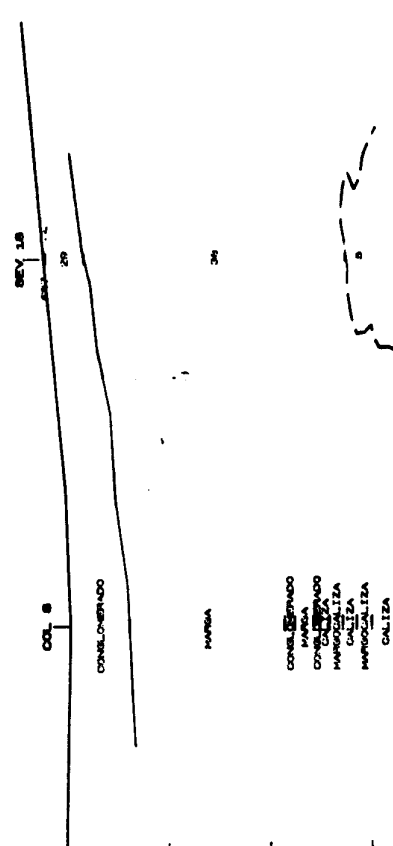
E



CORTE GEOELECTRICO NO. 8

N/I

CORTE R



PROYECTO: PROSPECCION GE.
 LOCALIDAD: REGIENA (Valencia)
 FECHA: 1-19-80
 AUTOR: Ignacio Arba
 ESCALA H: 25000
 ESCALA V: 5000
 RUMBO: NE SW

LEYENDA

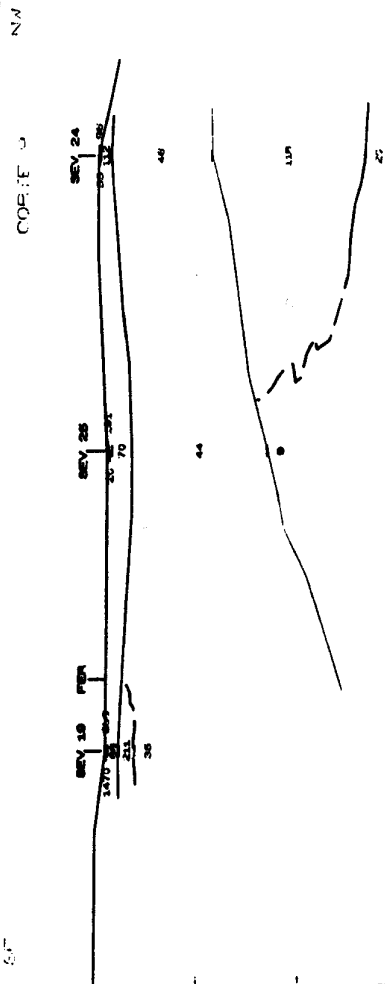
- SEV-24 NUMERO DE SEV.
- COL-3 NUMERO DE COLUMNA
- RIO GRUPO CON RIO
- CP. C. PPAL
- C.S. C. SEC.
- FER FERROCARRIL
- L.T. TENSION
- 234.0 VALOR DE RESISTIVIDAD (ohm cm)
- GRAVA LITOLOGIA
- PERFIL TOPOGRAFICO
- LIMITE ISOPRESISTIVO
- LIMITE ISOPRESISTIVO SUPUESTO

CORTE GEOELECTRICO N° 9

PROYECTO: PROSPECCION G.E.
 LOCALIDAD: REGULEMA (Valencia)
 FECHA: 1-9-60
 AUTOR: Ignacio Arba
 ESCALA H: 25000
 ESCALA V: 5000
 RUMBO: NE SW

LEYENDA

- SEV-24 NUMERO DE SEV.
- COL-3 NUMERO DE COLUMNA
- RIO CRUCE CON RIO
- C.P. C. PPAL.
- C.S. C. SEC.
- FER FERROCARRIL
- L.T. L. TENSION
- Z34-3 VALOR DE RESISTIVIDAD (ohm-c)
- GRAVA LITOLOGIA
- PERFIL TOPOGRAFICO
- LIMITE ISORESISTIVO
- LIMITE ISORESISTIVO SUPUESTO

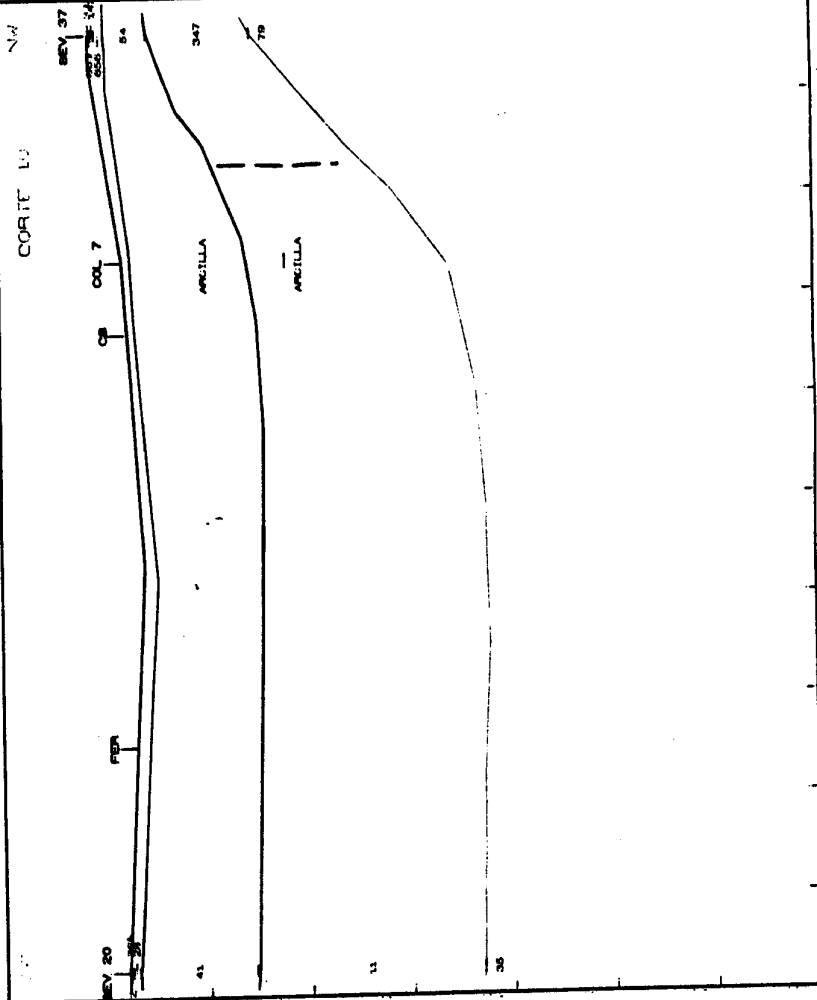


CORTE GEOELECTRICO N.º 10

PROYECTO: PROSPECCION GE
 LOCALIDAD: REGUENA (Valencia)
 FECHA: 1-9-80
 AUTOR: Ignacio Abo
 ESCALA H: 25000
 ESCALA V: 5000
 PUNTO: SE NW

LEYENDA

- SEV-24 NUMERO DE SEV.
- COL-3 NUMERO DE COLUMNA
- R: D GRUPO CON RTO
- C.P. C. OPAL
- C.S. C. SEC.
- FER FERROXARRYL
- L.T. L. TENSION
- 2340 VALOR DE RESISTIVIDAD (ohm)
- GRAVA LITOLOGIA
- PERFIL TOPOGRAFICO
- LIMITE ISOPRESISTIVO
- LIMITE ISOPRESISTIVO SUPUESTO



CORTE GEOELECTRICO N° 11

PROYECTO: INSPECCION DE
 LOCALIDAD: REOLEÑA (VALLECAJAL)
 FECHA: 1-9-80
 AUTOR: IGNACIO ARBO
 ESCALA H: 25000
 ESCALA V: 5000
 PLANO: NE 84

LEYENDA

- SEV-24 NUMERO DE SEV.
- COL-3 NUMERO DE COLUMNA
- RIO CRUCE CON RIO
- CP. C. OPAL
- C.S. C. SEC.
- FER FERROCARRIL
- L.T. L. TENSION
- ZM-0 VALOR DE RESISTIVIDAD (OHM-CM)
- GRAVA LITOLOGIA
- PERFIL TOPOGRAFICO
- LIMITE ISOPESISTIVO
- LIMITE ISOPESISTIVO SUPUESTO

