

PERFIL ST-15

DATOS TOMADOS POR:

GLD1440

"VALLE DE LOS CHILLOS"

FECHA: 8/03/29

PAGINA: 1 ✓

CONVENIO INE - D.G.G.M.

Rx	Tx	n	V	I	pa	observaciones
0-150	600-750	3	1x1.97	2.89		
	750-900	4	1x1.45	3.60		
	900-1050	5	0.3x2.93	3.96		
	1050-1200	6	0.3x2.94	4.88		
	1200-1350	7	0.3x2.86	7.60	19.27 ***	
150-300	600-750	2	3x1.94	2.88	22.78 ***	
	750-900	3	2x1.28	4.16	25.22 ***	-21.97
	900-1050	4	1x2.06	4.57	28.62 ***	
	1050-1200	5	1x1.55	5.75	25.81 ***	
	1200-1350	6	0.3x2.40/300	7.68	22.86 ***	
	1350-1500	7	0.3x1.00/300	5.86	26.10 ***	
	1500-1650	7	0.3x1.00/300	5.86	25.49 ***	
300-450	600-750	1	3x3.23	2.90	26.83 ***	
	750-900	2	3x1.58	4.11	4.55 ***	
	900-1050	3	1x2.31	4.57	4.05 ***	
	1050-1200	4	1x1.95	5.83	9.45 ***	
	1200-1350	5	1x1.51	7.60	12.72 ***	
	1350-1500	6	0.3x2.80/300	5.35	14.25 ***	
	1500-1650	7	0.3x1.00/300	4.11	18.91 ***	
	1650-1800	7	0.3x1.00/300	4.11	19.56 ***	
450-600	750-900	1	10x1.37	4.25	8.29 ***	
	900-1050	2	1x2.86	4.58	5.79 ***	
	1050-1200	3	1x2.93	5.90	5.11 ***	
	1200-1350	4	1x1.92	7.58	7.86 ***	
	1350-1500	5	0.3x2.84	5.33	14.84 ***	
	1500-1650	6	0.3x1.20/300	4.11	14.32 ***	
	1650-1800	7	0.3x1.20/300	3.43	15.82 ***	
	1800-1950	7	0.3x1.20/300	3.43	4.62 ***	
	1950-2100	7	0.3x1.20/300	3.43	4.15 ***	
	2100-2250	7	0.3x1.20/300	3.43	26.21 ***	
600-750	90-1050	1	10x2.67	2.88	34.25 ***	
	1050-1200	2	10x1.49	4.92	42.69 ***	
	1200-1350	3	3x3.79	7.53	45.86 ***	
	1350-1500	4	1x3.61	4.53	6.82 ***	
	1500-1650	5	0.3x2.80/300	4.06	4.87 ***	
	1650-1800	6	0.3x1.00/300	3.25	27.24 ***	
750-900	1050-1200	1	30x1.23	3.83	32.92 ***	
	1200-1350	2	10x1.79	6.15	37.72 ***	
	1350-1500	3	3x2.57	5.78	32.46 ***	
	1500-1650	4	1x2.01	3.50	3.22 ***	
	1650-1800	5	0.3x1.00	3.22	27.63 ***	
900-1050	1200-1350	1	30x1.99	6.11	34.67 ***	
	1350-1500	2	10x1.77	5.74	31.78 ***	
	1500-1650	3	3x1.30	3.47	25.33 ***	
	1650-1800	4	1x1.66	3.20	24.71 ***	
1050-1200	1350-1500	1	30x2.32	5.67	34.69 ***	
	1500-1650	2	10x1.04	3.45	32.12 ***	
	1650-1800	3	3x1.23	3.15	32.13 ***	
1200-1350	1500-1650	1	10x3.83	3.37	31.37 ***	
	1650-1800	2	3x2.82	3.05	33.87 ***	
1350-1500	1650-1800	1	30x1.21	3.03		

AREA SANGOLQUI-EL TINGO

PROYECTO GEOTERMICO

PERFIL ST-15

"VALLE DE LOS CHILLOS"

DATOS TOMADOS POR:

FECHA: 25.03.29

PAGINA: 2

CONVENIO INE - D.G.G.M.

Rx	Tx	n	V	I	ρ _o	observaciones
1800-1950	600-750	7	0.3x80/300	2.90		
	750-900	6	0.3x160/300	4.15		
	900-1050	5	0.3x260/300	4.98	6.55 ***	
	1050-1200	4	1x2.10	5.80	6.16 ***	
	1200-1350	3	3x8.85	7.58	5.17 ***	
1950-2100	1350-1500	2	3x3.66	5.35	20.47 ***	
	1500-1650	1	10x3.33	4.13	20.70 ***	
	750-900	7	0.3x80/300	4.25	23.21 ***	
	900-1050	6	0.3x160/300	4.65	22.80 ***	
	1050-1200	5	1x2.18	5.90	4.47 ***	
2100-2250	1200-1350	4	3x1.70	7.58	5.45 ***	
	1350-1500	3	3x2.72	5.34	36.56 ***	
	1500-1650	2	10x1.52	4.13	28.65 ***	
	1650-1800	1	30x1.45	3.50	43.21 ***	
	900-1050	7	0.3x260/300	4.59	41.62 ***	
2250-2400	1050-1200	6	1x1.20	5.92	35.14 ***	
	1200-1350	5	1x2.64	7.56	12.45 ***	
	1350-1500	4	1x3.60	5.30	32.16 ***	
	1500-1650	3	3x1.75	4.12	34.56 ***	
	1650-1800	2	10x1.01	3.52	38.41 ***	
2400-2550	1050-1200	7	0.3x180/300	5.90	36.05 ***	
	1200-1350	6	1x1.46	7.56	21.45 ***	
	1350-1500	5	1x1.91	5.30	7.25 ***	
	1500-1650	4	1x2.70	4.14	30.58 ***	
	1650-1800	3	3x1.52	3.62	33.66 ***	
2550-2700	1200-1350	7	0.3x2.51	7.58	36.88 ***	
	1350-1500	6	0.3x3.34	5.37	35.62 ***	
	1500-1650	5	1x1.21	4.15	23.53 ***	
	1650-1800	4	1x1.82	3.57	29.54 ***	
	1350-1500	7	0.3x200/300	5.80	26.85 ***	
2700-2850	1500-1650	6	0.3x1.49	4.13	28.83 ***	
	1650-1800	5	0.3x280/300	3.55	8.19 ***	
	1500-1650	7	0.3x200/300	4.15	17.14 ***	
	1650-1800	6	0.3x1.24	3.56	7.81 ***	
	1800-1950	2	10x1.44	3.25	11.45 ***	
2850-3000	1650-1800	7	0.3x700/300	3.60	16.55 ***	
	2100-2250	1	30x1.35	3.21	59.87 ***	
	1800-1950	2	10x1.44	3.25	53.22 ***	
	1950-2100	1	30x3.42	5.00	25.73 ***	
	2100-2250	3	3x1.80	3.25	52.90 ***	
2400-2550	1800-1950	3	3x1.80	3.25	64.33 ***	
	1950-2100	2	10x7.36	5.00		
	2100-2250	1	30x3.99	5.73		
	2550-2700	4	1x3.04	3.73		
	1950-2100	3	3x3.89	5.02		
2550-2700	2100-2250	2	10x2.68	5.73		
	2250-2400	1	100x7.29	5.67		

AREA SANGOLQUI - EL TINGO

PROYECTO GEOTERMICO

PERFIL ST-15

"VALLE DE LOS CHILLOS"

DATOS TOMADOS POR:

FECHA: 8/03-29

CONVENIO INE - D.G.G.M.

PAGINA: 31

Rx	Tx	n	V	I	ρ _o	observaciones
2700-2850	1800-1950	5	0.3x140/300	4.24		
	1950-2100	4	0.3x120/300	5.00		
	2100-2250	3	10x1.32	5.73		
	2250-2400	2	30x1.67	6.47	3.27 ***	
	2400-2550	1	100x1.38	6.50	1.35 ***	
2850-3000	1800-1950	6	1x1.25	4.23	65.13 ***	
	1950-2100	5	0.3x180/300	5.00	87.58 ***	
	2100-2250	4	3x1.80	5.72	80.82 ***	
	2250-2400	3	10x1.50	6.40	46.79 ***	
	2400-2550	2	10x3.28	6.49	3.56 ***	
	2550-2700	1	30x2.76	6.21	53.39 ***	
					66.27 ***	
3000-3150	1800-1950	7	0.3x140/300	4.26	57.15 ***	
	1950-2100	6	1x1.40	5.54	37.70 ***	
	2100-2250	5	1x2.31	5.75	7.81 ***	
	2250-2400	4	3x2.10	6.44	40.01 ***	
	2400-2550	3	10x1.17	6.51	59.76 ***	
	2550-2700	2	10x2.32	6.26	55.32 ***	
					50.82 ***	
					41.91 ***	
					78.22 ***	
					46.09 ***	
3150-3300	1950-2100	7	0.3x3.59	5.55	41.16 ***	
	2100-2250	6	1x1.50	5.77	21.31 ***	
	2250-2400	5	3x1.40	6.50	62.87 ***	
	2400-2550	4	3x2.42	6.53	55.83 ***	
	2550-2700	3	10x1.24	6.28	75.66 ***	
	2700-2850	2	10x2.85	4.26	66.88 ***	
					-3.76 ***	
					61.68 ***	
					64.68 ***	
					59.69 ***	
3300-3450	2100-2250	7	0.3x3.55	5.78	63.51 ***	
	2250-2400	6	1x2.52	6.52	71.77 ***	
	2400-2550	5	3x1.41	6.48	75.26 ***	
	2550-2700	4	3x2.22	6.31	79.41 ***	
	2700-2850	3	10x1.27	4.30	83.41 ***	
	2850-3000	2	10x2.31	3.66	114.02 ***	
					113.18 ***	
3450-3600	2250-2400	7	1x2.10	6.54		
	2400-2550	6	1x3.31	6.60		
	2550-2700	5	3x1.77	6.30		
	2700-2850	4	3x2.89	4.30		
	2850-3000	3	10x1.46	3.65		

Sangolqui - El Tingo

ST-14

S T A S

FECHA: 7-05-85.

LUGAR:

PROYECTO

"VALLE DE LIMA"

CAMPAÑA DE

CONVENIO IPE

Rz	Tx	n	V	I	Pc	Observaciones
0-3	12-15	3	$3 \times 80/300$	4.12	10.98	Prensa de Transformadora Power - LINES. Dolores de aguja.
	15-18	4	$3 \times 70/300$	6.22	12.73	
	18-21	5	$3 \times 30/300$	5.75	10.33	
	21-24	6	$0.3 \times 40/300$	4.24	3.06	
	24-27	7		3.53		
3-6	12-15	2	3×2.38	4.20	38.45	
	15-18	3	3×1.77	6.35	47.29	
	18-21	4	$3 \times 1.40/300$	5.77	27.44	
	21-24	5	$3 \times 1.00/300$	4.18	47.35	
	24-27	6	$3 \times 20/300$	3.63	17.45	
6-9	12-15	1	10×1.95	4.12	26.76	
	15-18	2	10×1.12	6.14	41.26	
	18-21	3	3×1.50	5.95	42.77	
	21-24	4	$0.3 \times 1.40/300$	4.35	3.64	
	24-27	5	$0.3 \times 60/300$	3.60	3.30	
9-12	15-18	1	30×2.24	6.17	61.59	
	18-21	2	10×1.81	6.07	67.45	
	21-24	3	3×2.07	4.52	77.69	
	24-27	4	1×2.11	3.81	62.83	
12-15	18-21	1	60×3.11	5.91	178.54	
	21-24	2	3×2.34	4.40	36.09	
	24-27	3	1×1.91	3.73	28.96	
15-18	21-24	1	10×2.60	4.44	33.11	
	24-27	2	3×1.60	3.36	22.31	
18-21	24-27	1	10×1.44	3.75	21.71	
39-42	15-18	7	$0.3 \times 60/300$	6.32	4.51	
	18-21	6	$0.3 \times 60/300$	5.95	3.19	
	21-24	5	$0.3 \times 20/300$	4.50	0.88	
	24-27	4	$0.3 \times 20/300$	3.80	0.60	
42-45	18-21	7	-	6.09		Falta de
	21-24	6	$1.3 \times 20/300$	4.54	6.05	
	24-27	5	$0.3 \times 20/300$	3.81	1.04	
45-48	21-24	7	$0.3 \times 60/300$	4.55	2.09	
	24-27	6	$0.3 \times 40/300$	3.74	3.39	
08-05-85.						
3-6	27-30	7	$0.3 \times -$	4.18	-	Power Lines.
6-9	27-30	6	$0.3 \times 100/300$	4.25	7.45	
	30-33	7	$0.3 \times 60/300$	4.36	6.54	
9-12	27-30	5	$0.3 \times 280/300$	4.35	12.74	
	30-33	6	$0.3 \times 200/300$	4.86	13.89	
	33-36	7	$0.3 \times 120/300$	4.10	13.90	
12-15	27-30	4	$0.3 \times 180/300$	4.46	3.04	
	30-33	5	$0.3 \times 80/300$	4.70	3.37	
	33-36	6	$0.3 \times 40/300$	4.10	3.09	
	36-39	7	$0.3 \times 30/300$	4.34	3.28	

PERFIL: _____
 DATOS TOMADOS POR: _____
 FECHA: _____
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PROYECTO GEOTECNICO
 "VALLE DE LOS CHILLOS"
 CAMPAÑA DE GEOFISICA
 CONVENIO INE - D.G.G.M.

Rx	Tx	n	V	I	Pa	Observaciones
15-18	27-30	3	1 x 1.98	4.50	24.88	
	30-33	4	0.3 x ¹⁴⁰ / ₃₀₀	3.60	4.40	
	33-36	5	0.3 x ¹⁴⁰ / ₃₀₀	4.10	6.76	
	36-39	6	0.3 x ⁸⁰ / ₃₀₀	4.34	5.84	
	39-42	7	0.3 x ⁴⁰ / ₃₀₀	4.24	4.48	
18-21	27-30	2	1 x 3.67	4.20	19.77	
	30-33	3	0.3 x ¹⁸⁰ / ₃₀₀	3.50	2.91	
	33-36	4	0.3 x ¹²⁰ / ₃₀₀	4.20	3.23	
	36-39	5	0.3 x ⁰⁰ / ₃₀₀	4.30	2.76	
	39-42	6	0.3 x ⁴⁰ / ₃₀₀	4.12	3.07	
21-24	27-30	1	10 x 1.15	4.13	15.75	
	30-33	2	3 x 1.07	3.50	20.75	
	33-36	3	0.3 x ²⁶⁰ / ₃₀₀	4.37	3.36	
	36-39	4	0.3 x ¹²⁰ / ₃₀₀	4.25	3.19	
	39-42	5	0.3 x ⁸⁰ / ₃₀₀	4.10	3.86	
24-27	30-33	1	3 x 3.59	3.56	17.11	
	33-36	2	1 x 3.65	4.14	19.94	
	36-39	3	0.3 x ²²⁰ / ₃₀₀	4.28	2.91	
	39-42	4	0.3 x ¹⁴⁰ / ₃₀₀	4.05	3.91	
27-30	33-36	1	10 x 1.25	4.20	16.83	
	36-39	2	3 x 1.32	4.96	18.06	
	39-42	3	1 x 1.46	4.06	20.34	
30-33	36-39	1	10 x 1.97	4.27	26.09	
	39-42	2	3 x 1.65	3.44	32.55	
33-36	39-42	1	10 x 2.75	3.44	45.21	
48-45	27-30	5	0.3 x ²⁰ / ₃₀₀	4.30	0.92	
	30-33	4	0.3 x ³⁰ / ₃₀₀	3.54	0.96	
	33-36	3	0.3 x ⁴⁰ / ₃₀₀	4.20	0.54	
	36-39	2	0.3 x ⁸⁰ / ₃₀₀	4.35	0.42	
	39-42	1	0.3 x ¹⁴⁰ / ₃₀₀	4.18	0.19	
45-42	27-30	4	3 x ⁵⁰ / ₃₀₀	4.32	13.09	
	30-33	3	3 x ¹⁰⁰ / ₃₀₀	3.50	16.16	
	33-36	2	3 x 2.44	4.24	39.05	
	36-39	1	10 x 2.64	4.34	34.40	

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SIEMPRE QUI - EL TIEMPO
ST-14

DATOS POR:

FECHA: 7-05-85.

LUGAR:

VALLE DE LOS CHILLOS
CAMPAÑA DE GEOFISICA
CONVENIO INE - D.G.C.M.

Rx	Tx	n	V	I	f _o	Observaciones
0-3	12-15	3	3 x 80/300	4.12	10.98	<i>Remisa de Transformadores Power - LINEA. Dolances de aguja</i>
	15-18	4	3 x 70/300	6.22	12.73	
	18-21	5	3 x 30/300	5.75	10.33	
	21-24	6	0.3 x 40/300	4.24	3.06	
	24-27	7	—	3.53	—	
3-6	12-15	2	3 x 2.38	4.20	38.45	
	15-18	3	3 x 1.77	6.35	47.29	
	18-21	4	3 x 1.40/300	5.77	27.44	
	21-24	5	3 x 1.00/300	4.18	47.35	
	24-27	6	3 x 2.0/300	3.63	17.45	
6-9	12-15	1	10 x 1.95	4.12	26.76	
	15-18	2	10 x 1.12	6.14	41.26	
	18-21	3	3 x 1.50	5.95	42.77	
	21-24	4	0.3 x 1.40/300	4.35	3.64	
	24-27	5	0.3 x 60/300	3.60	3.30	
9-12	15-18	1	30 x 2.24	6.17	61.59	
	18-21	2	10 x 1.81	6.07	67.45	
	21-24	3	3 x 2.07	4.52	77.69	
	24-27	4	1 x 2.11	3.81	62.83	
12-15	18-21	1	60 x 3.11	5.91	178.54	
	21-24	2	3 x 2.34	4.40	36.09	
	24-27	3	1 x 1.91	3.73	28.96	
15-18	21-24	1	10 x 2.60	4.44	32.11	
	24-27	2	3 x 1.60	3.36	32.31	
18-21	24-27	1	10 x 1.44	3.75	21.71	
39-42	15-18	7	0.3 x 60/300	6.32	4.51	
	18-21	6	0.3 x 60/300	5.95	3.19	
	21-24	5	0.3 x 20/300	4.50	0.88	
	24-27	4	0.3 x 20/300	3.80	0.60	
42-45	18-21	7	—	6.09	—	<i>Fuente de agua</i>
	21-24	6	1.3 x 20/300	4.54	6.05	
	24-27	5	0.3 x 20/300	3.81	1.04	
45-48	21-24	7	0.3 x 60/300	4.55	2.09	
	24-27	6	0.3 x 40/300	3.74	3.39	
08-05-85.						
3-6	27-30	7	0.3 x —	4.18	—	<i>Power Line</i>
6-9	27-30	6	0.3 x 100/300	4.25	7.45	
	30-33	7	0.3 x 60/300	4.36	6.54	
9-12	27-30	5	0.3 x 20/300	4.35	12.74	
	30-33	6	0.3 x 200/300	4.56	13.89	
	33-36	7	0.3 x 120/300	4.10	13.90	
12-15	27-30	4	0.3 x 180/300	4.46	3.04	
	30-33	5	0.3 x 80/300	4.70	3.37	
	33-36	6	0.3 x 40/300	4.10	3.09	
	36-39	7	0.3 x 30/300	4.34	3.28	

PERFIL: _____
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PROYECTO GEOTÉCNICO
 "VALLE DE LOS CHILLOS"
 CAMPAÑA DE GEOFÍSICA
 CONVENIO INE - D.G.G.M.

Rx	Tx	n	V	I	P ₀	Observaciones
15-18	27-30	3	1 x 1.98	4.50	24.88	
	30-33	4	0.3 x ¹⁴⁰ /300	3.60	4.40	
	33-36	5	0.3 x ¹⁴⁰ /300	4.10	6.76	
	36-39	6	0.3 x ⁸⁰ /300	4.34	5.84	
	39-42	7	0.3 x ⁴⁰ /300	4.24	4.48	
18-21	27-30	2	1 x 3.67	4.20	19.77	
	30-33	3	0.3 x ¹⁸⁰ /300	3.50	2.91	
	33-36	4	0.3 x ¹²⁰ /300	4.20	3.23	
	36-39	5	0.3 x ⁰ /300	4.30	2.76	
	39-42	6	0.3 x ⁴⁰ /300	4.12	3.07	
21-24	27-30	1	10 x 1.15	4.13	15.75	
	30-33	2	3 x 1.07	3.50	20.75	
	33-36	3	0.3 x ²⁶⁰ /300	4.37	3.36	
	36-39	4	0.3 x ¹²⁰ /300	4.25	3.19	
	39-42	5	0.3 x ⁸⁰ /300	4.10	3.86	
24-27	30-33	1	3 x 3.59	3.56	17.11	
	33-36	2	1 x 3.65	4.14	19.94	
	36-39	3	0.3 x ²²⁰ /300	4.28	2.91	
	39-42	4	0.3 x ¹⁴⁰ /300	4.05	3.91	
27-30	33-36	1	10 x 1.25	4.20	16.83	
	36-39	2	3 x 1.32	4.96	18.06	
	39-42	3	1 x 1.46	4.06	20.34	
30-33	36-39	1	10 x 1.97	4.27	26.09	
	39-42	2	3 x 1.65	3.44	32.55	
33-36	39-42	1	10 x 2.75	3.44	45.21	
48-45	27-30	5	0.3 x ²⁰ /300	4.30	0.92	
	30-33	4	0.3 x ³⁰ /300	3.54	0.96	
	33-36	3	0.3 x ⁴⁰ /300	4.20	0.54	
	36-39	2	0.3 x ⁸⁰ /300	4.35	0.42	
	39-42	1	0.3 x ¹⁴⁰ /300	4.18	0.19	
45-42	27-30	4	3 x ⁵⁰ /300	4.32	13.09	
	30-33	3	3 x ¹⁰⁰ /300	3.50	16.16	
	33-36	2	3 x 2.44	4.24	39.05	
	36-39	1	10 x 2.64	4.34	34.40	

AREA: SIBUQUOY - COTACAY

PROYECTO GEOTERMICO

PERFIL: 57-14

"VALLE DE LOS CHILLOS"

DATOS TOMADOS POR:

FECHA: 85 03.18

PAGINA: 1

CONVENIO INE - D.G.G.M.

Rx	Tr	n	V	I	Pa	observaciones
850-1000	700-750	4	3x2.13	3.13		
900-950	650-700	4	3x1.14	2.71		
	700-750	3	3x2.78	3.15		
850-900	600-650	4	3x2.27	2.33		
	650-700	3	10x1.20	2.73	23.48 ***	
	700-750	2	10x3.01	3.17	23.73 ***	
800-850	550-600	4	3x1.51	2.31	24.53 ***	
	600-650	3	3x2.68	2.31	25.03 ***	
	650-700	2	10x1.72	2.74	27.45 ***	
	700-750	1	30x2.09	3.18	25.30 ***	
750-800	500-550	4	3x1.92	2.94	26.90 ***	
	550-600	3	3x2.88	2.32	23.97 ***	
	600-650	2	10x1.76	2.31	18.51 ***	
	650-700	1	30x1.82	2.74	26.53 ***	
700-750	400-450	5	3x1.06	2.40	25.10 ***	
	450-500	4	3x1.59	2.15	18.72 ***	
	500-550	3	3x2.35	2.96	27.71 ***	
	550-600	2	10x1.74	2.32	17.12 ***	
	600-650	1	30x1.83	2.31	22.03 ***	
650-700	350-400	5	3x2.16	2.83	28.17 ***	
	400-450	4	3x1.57	2.51	22.40 ***	
	450-500	3	3x2.32	2.20	26.68 ***	
	500-550	2	10x1.75	3.00	24.82 ***	
	550-600	1	30x1.42	2.30	26.22 ***	
600-650	300-350	5	3x2.26	4.67	17.59 ***	
	350-400	4	10x1.16	2.92	22.25 ***	
	400-450	3	3x2.85	2.10	28.17 ***	
	450-500	2	10x1.59	3.20	18.73 ***	
	500-550	1	30x1.94	3.02	12.15 ***	
550-600	250-300	5	3x1.85	4.26	22.98 ***	
	300-350	4	3x3.42	4.64	22.66 ***	
	350-400	3	10x1.88	5.97	26.71 ***	
	400-450	2	10x1.72	2.46	18.32 ***	
	450-500	1	30x1.55	2.20	18.52 ***	
500-550	200-250	5	1x2.21	4.09	17.12 ***	
	250-300	4	3x1.37	4.28	12.76 ***	
	300-350	3	3x2.46	4.72	11.45 ***	
	350-400	2	10x2.03	6.00	22.86 ***	
	400-450	1	10x3.04	2.50	17.85 ***	
450-500	150-200	5	1x3.27	3.34	17.35 ***	
	200-250	4	3x2.28	4.05		
	250-300	3	10x1.29	4.30		
	300-350	2	10x3.05	4.74		
	350-400	1	30x3.62	6.00		

AREA: SAIBALQUI EL TIINGO

PROYECTO GEOTERMICO

PERFIL: ST-14

"VALLE DE LOS CHILLOS"

DATOS TOMADOS POR:

FECHA: 25.03.18

PAGINA: 2

CONVENIO INE - D.G.G.M.

Rx	Tx	n	V	I	fo	observaciones
100-450	150-200	4	3x2.04	3.35		
	200-250	3	10x1.47	4.04	31.25 ***	
	250-300	2	10x3.47	4.28	34.25 ***	
	300-350	1	30x3.96	4.25	36.57 ***	
					38.13 ***	
350-400	150-200	3	3x3.57	3.35	38.13 ***	
	200-250	2	10x2.82	4.07	41.45 ***	
	250-300	1	30x3.29	4.33	44.27 ***	
300-350	150-200	2	10x2.20	3.35		
	200-250	1	30x3.20	4.05		
150-200	250-300	1	10x3.46	4.36		
100-150	200-250	1	30x1.76	4.06	7.50 ***	
	250-300	2	10x1.90	4.35	12.26 ***	
	300-350	3	10x1.16	4.80	16.17 ***	
	350-400	4	3x2.62	6.05	22.75 ***	
	400-450	5	1x2.47	2.42	24.49 ***	
					30.57 ***	
50-100	150-200	1	30x2.26	3.39	33.85 ***	
	200-250	2	10x3.00	4.10	37.58 ***	
	250-300	3	10x1.61	4.34	34.28 ***	
	300-350	4	10x1.06	4.82	41.45 ***	
	350-400	5	3x3.72	6.08	44.27 ***	
0-50	150-200	2	10x2.25	3.40	34.97 ***	
	200-250	3	10x1.72	4.07	37.85 ***	
	250-300	4	10x1.28	4.36	35.34 ***	
	300-350	5	3x3.11	4.80	34.12 ***	

AREA: SANJOAQUIN-ELTINGO

PROYECTO GEOTERMICO

PERFIL: ST-14

DATOS TOMADOS POR:

"VALLE DE LOS CHILLOS"

FECHA: 85.03.19

PAGINA: 3

CONVENIO INE - D.G.G.M.

Rx	Tx	n	V	I	ρ _o	observaciones
1650-1600	1350-1300	5	3x1.36	3.86		
1600-1550	1350-1300	4	3x2.03	3.92		
	1300-1250	5	1x3.99	3.68		
1550-1500	1350-1300	3	2x3.44	4.01		
	1300-1250	4	3x1.40	3.74	44.87 ***	
	1250-1200	5	1x1.41	2.18	38.26 ***	
1500-1450	1350-1300	2	10x2.59	4.02	38.77 ***	
	1300-1250	3	3x2.65	3.72	34.36 ***	
	1250-1200	4	1x2.56	2.17	21.17 ***	
	1200-1150	5	1x2.83	2.01	21.74 ***	
1450-1400	1350-1300	1	100x1.20	4.03	34.29 ***	
	1300-1250	2	10x1.85	3.78	33.14 ***	
	1250-1200	3	3x1.65	2.16	21.34 ***	
	1200-1150	4	3x2.01	2.01	28.05 ***	
	1150-1100	5	1x3.45	1.78	18.45 ***	
1400-1350	1300-1250	1	30x1.74	3.75	21.60 ***	
	1250-1200	2	3x3.41	2.17	36.55 ***	
	1200-1150	3	3x3.00	2.01	33.53 ***	
	1150-1100	4	3x1.63	1.77	13.12 ***	
	1100-1050	5	1x1.61	1.46	17.77 ***	
1350-1300	1250-1200	1	30x1.46	2.14	43.26 ***	
	1200-1150	2	10x2.84	2.01	32.06 ***	
	1150-1100	3	3x3.49	1.66	29.44 ***	
	1100-1050	4	1x2.63	1.47	33.72 ***	
	1050-1000	5	1x1.44	2.67	27.06 ***	
1300-1250	1200-1150	1	100x1.77	2.01	37.32 ***	
	1150-1100	2	30x1.32	1.68	28.99 ***	
	1100-1050	3	3x2.02	1.47	36.06 ***	
	1050-1000	4	1x2.62	2.67	36.05 ***	
	1000-950	5	1x2.40	2.99	16.50 ***	
1250-1200	1150-1100	1	30x3.62	1.79	37.10 ***	
	1100-1050	2	3x3.88	1.47	39.85 ***	
	1050-1000	3	3x1.34	2.67	14.13 ***	
	1000-950	4	1x3.39	3.05	28.95 ***	
	950-900	5	1x2.20	2.98	24.89 ***	
1200-1150	1100-1050	1	30x2.29	1.47	44.85 ***	
	1050-1000	2	10x1.50	2.68	21.10 ***	
	1000-950	3	3x3.70	3.16	37.11 ***	
	950-900	4	3x2.99	3.08	21.38 ***	
	900-850	5	1x2.75	4.82	35.38 ***	
1150-1100	1050-1000	1	100x1.53	2.62	34.46 ***	
	1000-950	2	30x2.28	3.15	44.49 ***	
	950-900	3	10x2.76	3.08	33.71 ***	
	900-850	4	3x3.80	4.83		
	850-800	5	3x3.21	5.32		

Rx	Tx	n	V	I	fo	Observaciones
225-220	195-190	5	1x 1.18	1.97		
220-215	195-190	4	1x 2.27	1.99		
	190-185	5	0.3x 3.41	1.72		
215-210	195-190	3	3x 1.43	2.00		
	190-185	4	1x 1.56	1.32		
	185-180	5	1x 1.24	1.82		
210-205	195-190	2	3x 3.09	2.01		
	190-185	3	1x 2.70	1.20		
	185-180	4	1x 1.98	1.82		
	180-175	5	1x 1.06	1.45		
205-200	195-190	1	30x 1.29	2.00		
	190-185	2	3x 2.59	1.29		
	185-180	3	3x 1.47	1.82		
	180-175	4	1x 2.13	1.45		
	175-170	5	1x 1.22	1.82		
200-195	190-185	1	10x 2.62	1.29		
	185-180	2	10x 1.05	1.85		
	180-175	3	3x 1.39	1.44		
	175-170	4	1x 2.09	1.82		
	170-165	5	1x 2.73	2.67		
195-190	185-180	1	10x 3.61	1.81		
	180-175	2	3x 2.97	1.44		
	175-170	3	3x 1.19	1.80		
	170-165	4	3x 1.25	2.65		
	165-160	5	1x 1.14	1.39		
190-185	180-175	1	10x 3.85	1.43		
	175-170	2	3x 3.08	1.80		
	170-165	3	3x 2.23	2.64		
	165-160	4	1x 2.05	1.40		
	160-155	5	1x 1.15	1.44		
185-180	175-170	1	30x 1.15	1.79		
	170-165	2	10x 1.83	2.66		
	165-160	3	1x 3.40	1.39		
	160-155	4	1x 1.79	1.43		
	155-150	5	1x 1.39	2.03		
180-175	170-165	1	100x 1.71	2.17		
	165-160	2	10x 1.19	1.12		
	160-155	3	3x 1.22	1.16		
	155-150	4	1x 1.70	1.04		
	150-145	5	1x 1.25	1.21		



ST 14.20

CONVENIO IRE - D.C.G.M.

	oTx	n.	v	I	fo	Observaciones
175-170	165-160	1	30x1.79	1.12		
	160-155	2	30x2.44	1.16		
	155-150	3	10x2.43	1.05		
	150-145	4	1x1.73	1.30		
	145-140	5	1x1.85	2.25		
170-165	160-155	1	30x2.38	1.16		
	155-150	2	30x2.63	1.05		
	150-145	3	30x1.30	1.30		
	145-140	4	30x1.27	2.30		
	140-135	5	30x1.15	3.49		
165-160	155-150	1	30x1.76	1.05		
	150-145	2	30x2.29	1.30		
	145-140	3	3x2.22	2.30		
	140-135	4	3x1.83	3.49		
160-155	150-145	1	30x1.72	1.30		
	145-140	2	10x1.57	2.29		
	140-135	3	30x3.02	3.49		
155-150	145-140	1	30x2.11	2.29		
	140-135	2	10x1.92	3.49		
150-145	140-135	1	30x3.13	3.49		
285-280	255-250	5	1x1.74	4.20		
280-275	255-250	4	1x3.28	4.17		
	250-245	5	0.7x1.87	1.70		
275-270	255-250	3	3x2.20	4.14		
	250-245	4	1x1.79	2.40		
	245-240	5	1x1.22	1.40		
270-265	255-250	2	10x1.51	4.14		
	250-245	3	3x1.10	2.26		
	245-240	4	1x2.14	1.40		
	240-235	5	0.3x2.52	1.37		
265-260	255-250	1	30x2.22	4.15		
	250-245	2	3x3.25	2.30		
	245-240	3	3x1.60	1.37		
	240-235	4	1x2.14	1.90		
	235-230	5	1x2.41	4.05		
260-255	250-245	1	30x1.70	2.22		
	245-240	2	10x1.11	1.30		
	240-235	3	1x2.29	1.22		
	235-230	4	3x1.03	3.02		
	230-225	5	1x3.37	4.21		

AREA: SANFOLGUI - EL TIMBO

PERFIL: ST-14

DATOS TOMADOS POR:

FECHA: 20/03/85

PAGINA: 3

PROYECTO GEOTERMICO.
"VALLE DE LOS CHILOS"
CAMPAÑA DE GEOFISICA
CONVENIO INE - D.G.G.M.

Rx	Tx	n	V	I	Po	Observaciones
255-250	245-240	1	30x1.46	1.25		
	240-235	2	3x10.55	1.18		
	235-230	3	3x1.51	3.03		
	230-225	4	3x1.42	4.20		
	225-220	5	1x1.94	4.86		
250-245	240-235	1	3x2.22	1.18		
	235-230	2	3x2.25	3.03		
	230-225	3	3x1.79	4.20		
	225-220	4	1x2.18	4.70		
	220-215	5	1x1.74	4.93		
245-240	235-230	1	30x1.32	3.01		
	230-225	2	10x2.22	4.19		
	225-220	3	3x2.44	4.80		
	220-215	4	3x1.67	4.90		
	215-210	5	3x1.01	4.97		
240-235	230-225	1	30x1.82	4.20		
	225-220	2	10x1.15	4.73		
	220-215	3	3x2.14	4.82		
	215-210	4	3x1.24	4.92		
	210-205	5	1x1.79	3.52		
235-230	225-220	1	10x2.60	4.53		
	220-215	2	10x1.12	4.56		
	215-210	3	3x1.85	4.90		
	210-205	4	1x2.01	3.55		
	205-200	5	1x1.25	3.32		
230-225	220-215	1	30x2.89	4.50		
	215-210	2	10x2.05	4.94		
	210-205	3	3x1.83	3.55		
	205-200	4	1x2.95	3.31		
	200-195	5	1x2.24	4.44		
225-220	215-210	1	30x3.44	4.79		
	210-205	2	10x1.32	3.51		
	205-200	3	3x1.82	3.26		
	200-195	4	3x1.59	4.32		
220-215	210-205	1	30x1.82	3.50		
	205-200	2	10x1.36	3.22		
	200-195	3	3x3.12	4.32		
215-210	205-200	1	30x2.03	3.17		
	200-195	2	10x2.43	4.29		
210-205	200-195	1	3x2.20	3.5x		

Rx	Tx	n	V	I	fo	Observaciones
255-260	265-270	1	30x2.22	5.00		
	270-275	2	10x2.06	4.81		
	275-280	3	3x2.92	5.36		
	280-285	4	3x1.58	5.94		
	285-290	5	0.3x3.28	2.50		
260-265	270-275	1	30x2.66	4.82		
	275-280	2	10x2.20	5.44		
	280-285	3	3x3.30	5.97		
	285-290	4	1x1.77	2.52		
	290-295	5	0.3x3.08	2.15		
265-270	275-280	1	30x3.04	5.36		
	280-285	2	10x2.68	5.99		
	285-290	3	3x1.28	2.60		
	290-295	4	1x1.62	2.22		
	295-300	5	0.3x1.88	1.02		
270-275	280-285	1	30x3.92	5.99		
	285-290	2	3x3.22	2.63		
	290-295	3	3x1.20	2.24		
	295-300	4	1x1.02	0.97		
	300-305	5	0.3x3.64	1.36		
275-280	285-290	1	30x1.24	2.64		
	290-295	2	3x3.01	2.26		
	295-300	3	1x2.99	1.36		
	300-305	4	1x1.86	1.34		
	305-310	5	0.3x2.17	2.18		
280-285	290-295	1	30x1.11	2.27		
	295-300	2	3x2.29	1.37		
	300-305	3	1x3.47	1.34		
*	305-310	4	0.3x3.75	2.21		
	310-315	5	0.3x2.45	2.04		
285-290	295-300	1	30x1.82	1.43		
	300-305	2	3x2.65	1.40		
	305-310	3	1x1.56	2.24		
	310-315	4	0.3x3.53	2.08		
290-295	300-305	1	10x3.20	1.37		
295-300	305-310	2	1x2.49	2.24		
	310-315	3	1x1.56	2.09		
295-300	305-310	1	3x2.80	2.23		
	310-315	2	3x1.39	2.09		
300-305	310-315	1	30x1.83	2.10		
	315-320	285-290	5	1x1.12	4.45	
315-320	290-295	4	1x1.29	3.80		
	295-300	3	1x1.07	1.37		
	300-305	2	3x2.77	1.34		
	305-310	1	30x1.89	3.14		
	320-325	290-295	5	1x1.15	3.81	
325-330	295-300	4	1x1.40	2.06		
	300-305	3	3x1.62	1.36		
	305-310	2	10x1.78	3.16		
	310-315	1	30x2.73	3.00		
	295-300	5	0.3x2.00/300	2.07		
300-305	300-305	4	1x2.57	1.70		
	305-310	3	3x1.68	3.15		
	310-315	2	10x1.36	3.02		

DATOS TOMADOS POR:
 FECHA: 21-03-88
 PAGINA: 2

ST 14

"VALLE DE LOS CHILLOS"
 CAMPAÑA DE GEOFISICA
 CONVENIO INE - D.G.G.M.

Rx	Tx	n	v	I	fo	Observaciones
330-335	300-305	5	1x2.05	2.07		
	305-310	4	1x2.65	3.16		
	310-315	3	3x1.77	3.02		
335-340	305-310	5	1x1.54	3.18		
	310-315	4	1x2.84	3.07		
340-345	310-315	5	1x1.78	3.06		
315-320	325-330	1	20x2.95	5.41		
	330-335	2	10x2.06	3.90		
	335-340	3	3x3.01	4.72		
	340-345	4	3x1.29	3.71		
	345-350	5	1x3.08	4.28		
320-325	330-335	1	100x1.47	3.96		
	335-340	2	30x1.24	4.72		
	340-345	3	10x1.20	3.74		
	345-350	4	3x2.60	4.31		
	350-355	5	3x1.51	5.00		
325-330	335-340	1	100x1.40	4.79		
	340-345	2	10x2.61	3.77		
	345-350	3	10x1.38	4.35		
	350-355	4	3x2.53	5.14		
	355-360	5	1x3.06	4.22		
330-335	340-345	1	30x3.46	3.76		
	345-350	2	30x1.13	4.35		
	350-355	3	10x1.53	5.61		
	355-360	4	3x1.69	4.30		
335-340	360-365	5	1x3.41	4.17		
	345-350	1	1x1.52	4.35		
	350-355	2	30x1.23	5.71		
	355-360	3	3x1.37	4.38		
	360-365	4	3x1.65	4.24		
340-345	365-370	5	3x1.19	5.67		
	350-355	1	100x1.48	5.77		
	355-360	2	10x2.44	4.42		
	360-365	3	3x3.33	4.31		
	365-370	4	3x2.34	5.75		
345-350	370-375	5	1x2.26	3.90		
	355-360	1	30x3.29	4.50		
	360-365	2	10x1.97	4.34		
	365-370	3	10x1.20	5.84		
	370-375	4	1x1.99	3.92		
350-355	375-380	5	10x1.29	2.83		→
	360-365	1	30x2.76	4.38		
	365-370	2	10x2.83	5.92		
	370-375	3	3x1.61	4.53		
	375-380	4	10x3.52	4.07		→
355-360	380-385	5	1x4.01	3.26		
	365-370	1	30x3.40	6.00		
	370-375	2	10x2.00	4.55		
	375-380	3	3x1.18	4.54		
	380-385	4	3x1.10	3.28		

AREA

PERFIL:

DATOS TOMADOS POR:

FECHA:

PAGINA: 3

ST14

PROYECTO GEOTERMICO

"VALLE DE LOS CHILLOS"

CAMPAÑA DE GEOFISICA

CONVENIO INE - D.G.G.M.

Rx	Tx	n	v	I	Po	Observaciones
360-365	370-375	1	30x1.87	4.58		
	375-380	2	10x2.18	4.58		
	380-385	3	3x2.85	3.96		
365-370	375-380	1	30x2.57	4.57		
	380-385	2	10x2.10	3.96		
370-375	380-385	1	30x2.50	3.97		
385-390	385-390	5	3x1.41	5.10		
	360-385	4	3x2.19	5.32		
	365-370	3	10x2.23	6.98		
	370-375	2	10x2.23	3.50		
390-395	375-380	1	30x3.35	3.46		
	360-365	5	3x1.45	5.34		
	365-370	4	10x1.18	7.00		
	370-375	3	10x1.03	3.51		
	375-380	2	10x3.16	3.47		
395-400	380-385	1	30x3.35	3.97		
	365-370	5	3x2.65	7.06		
	370-375	4	3x1.82	3.52		
	375-380	3	10x1.37	3.48		
	380-385	2	10x2.83	3.96		
400-405	370-375	5	1x3.23	3.51		
	375-380	4	3x2.42	3.50		
	380-385	3	3x3.79	3.97		
405-410	375-380	5	3x1.44	3.48		
	380-385	4	3x1.95	3.97		
410-415	380-385	5	3x1.46	3.76		

FECHA: 20.12.50
 PAGINA: 1

ST 14

CAMPANA DE GEOFISICA
 CONVENIO INE - D.G.G.M.

Rx	Tx	n	V	I	Pa	Observaciones
385-390	395-400	1	30 x 2.50	2.88		
	400-405	2	10 x 2.67	3.80		
	405-410	3	10 x 1.33	5.02		
	410-415	4	3 x 3.07	5.09		
	415-420	5	3 x 1.15	3.45		
390-395	400-405	1	30 x 2.76	3.81		
	405-410	2	3 x 1.07	5.05		
	410-415	3	15 x 1.71	5.10		
	415-420	4	3 x 2.02	3.84		
	420-425	5	3 x 1.09	2.25		
395-400	405-410	1	100 x 1.22	5.06		
	410-415	2	30 x 1.60	5.11		
	415-420	3	10 x 1.49	3.95		
	420-425	4	3 x 2.00	2.56		
	425-430	5	1 x 2.60	2.89		
400-405	410-415	1	100 x 1.65	5.10		
	415-420	2	30 x 1.30	3.96		
	420-425	3	10 x 1.29	3.00		
	425-430	4	3 x 1.54	2.90		
	430-435	5	1 x 3.60	3.20		
405-410	415-420	1	30 x 3.56	3.97		
	420-425	2	10 x 2.60	3.02		
	425-430	3	3 x 2.28	2.92		
	430-435	4	3 x 1.58	3.20		
	435-440	5	3 x 1.48	4.68		
410-415	420-425	1	100 x 1.22	3.02		
	425-430	2	10 x 1.98	2.94		
	430-435	3	3 x 2.42	3.21		
	435-440	4	3 x 2.70	4.69		
	440-445	5	3 x 1.90	5.54		
415-420	425-430	1	30 x 1.63	2.97		
	430-435	2	10 x 1.72	2.24		
	435-440	3	10 x 1.10	4.70		
	440-445	4	3 x 2.14	5.59		
	445-450	5	3 x 2.14	5.59		
420-425	430-435	1	100 x 1.31	3.23		
	435-440	2	30 x 1.47	4.70		
	440-445	3	10 x 2.07	5.09		
	445-450	4	30 x 1.22	5.10		
	450-455	5	10 x 1.59	5.10		
425-430	435-440	1	1 x 3.27	3.90		
	440-445	2	3 x 1.64	3.09		
	445-450	3	3 x 2.37	3.00		
	450-455	4	10 x 2.38	3.25		
	455-460	5	100 x 1.35	4.74		
430-435	440-445	1	1 x 3.05	3.07		
	445-450	2	3 x 1.23	2.02		
	450-455	3	3 x 2.70	3.26		
	455-460	4	10 x 2.81	4.74		
	460-465	5	30 x 2.74	5.09		
435-440	445-450	1	1 x 2.63	3.04		
	450-455	2	3 x 1.74	3.21		
	455-460	3	10 x 1.51	4.75		
	460-465	4	10 x 3.25	5.10		
	465-470	5				

10 x 3.25 5.10

DATOS TOMADOS POR:
 FECHA: 22.03.85
 PAGINA: 2

ST 14

"VALLE DE LOS CHILLOS"
 CAMPAÑA DE GEÓFISICA
 CONVENIO INE - D.G.G.M

Rx	Tx	n	v	t	fo	Observaciones
460-465	430-435	5	3x1.34	3.29		
	435-440	4	3x3.34	4.74		
	440-445	3	10x1.67	5.09		
	435-440	5	3x1.82	4.75		
465-470	440-445	4	3x2.67	5.10		
	440-445	5	3x2.67	5.10		
445-450	455-460	1	20x2.58	4.74		
	460-465	2	10x2.34	4.34		
	465-470	3	3x2.59	4.47		
	470-475	4	3x2.79	4.66		
	475-480	5	3x1.54	5.12		
450-455	460-465	1	10x1.41	4.33		
	465-470	2	30x1.32	4.47		
	470-475	3	10x1.48	4.69		
	475-480	4	10x1.19	5.18		
455-460	480-485	5	3x1.03	3.66		
	465-470	1	100x1.50	4.56		
	470-475	2	30x1.41	4.75		
	475-480	3	10x2.48	5.20		
460-465	480-485	4	3x2.48	3.68		
	470-475	1	100x2.43	4.74		
	475-480	2	30x2.05	5.20		
465-470	480-485	3	10x2.28	3.67		
	475-480	1	100x2.63	5.20		
	480-485	2	30x1.50	3.68		
470-475	480-485	1	100x1.84	3.68		
	485-490	5	3x2.20	4.76		
	460-465	4	10x1.72	4.79		
	465-470	3	10x2.12	4.84		
485-490	470-475	2	30x2.16	4.71		
	475-480	1	300x1.85	5.20		
	460-465	5	3x2.57	4.37		
	465-470	4	3x3.65	4.60		
	470-475	3	10x2.40	4.78		
490-495	475-480	2	30x3.11	5.20		
	480-485	1	100x1.74	3.68		
	465-470	5	3x2.04	4.58		
	470-475	4	10x1.07	4.78		
	475-480	3	10x2.85	5.20		
495-500	480-485	2	30x1.21	3.69		

Figure 6.2.6M

Project name: PROYECTO GEOTERMICO DE BAJA ENTALPIA "VALLE DE LOS CHILLOS"
 Model name: TC-6 (50M)

MEDIA RESISTIVITY (OHM-METERS)

2.00 20.00 30.00 40.00 70.00
 100.00

88	77	66	55	44	33	22	11	00	11	22	33	44	55	66	77	88
.....1.....	.....2.....	.....3.....	.....4.....	.....5.....	.....6.....	.....7.....										
5555555555	6666666666	6666666666	6666666666	6666666666	6666666666	6666666666	6666666666	2222222222	6666666666	6666666666	6666666666	6666666666	6666666666	6666666666	6666666666	6666666666
5555555555	6666666666	6666666666	6666666666	6666666666	6666666666	6666666666	6666666666	21111222	6666666666	6666666666	6666666666	6666666666	6666666666	6666666666	6666666666	6666666666
5555555555	6666666666	6666666666	6666666666	6666666666	6666666666	6666666666	6666666666	21111222	4444	6666666666	6666666666	6666666666	6666666666	6666666666	6666666666	6666666666
5555555555	6666666666	6666666666	6666666666	6666666666	6666666666	6666666666	6666666666	21111222	4444	4444	4444	4444	4444	4444	4444	55555555
4444444444	4444444444	4444444444	4444444444	4444444444	4444444444	4444444444	4444444444	5555	2211	1222	4444	4444	4444	4444	4444	4444
4444444444	4444444444	4444444444	4444444444	4444444444	4444444444	4444444444	4444444444	5555	2211	1222	4444	4444	4444	4444	4444	4444
4444444444	4444444444	4444444444	4444444444	4444444444	4444444444	4444444444	4444444444	5522	11	1222	4444	4444	4444	4444	4444	4444
4444444444	4444444444	4444444444	4444444444	4444444444	4444444444	4444444444	4444444444	5522	11	1222	4444	4444	4444	4444	4444	4444
4444444444	4444444444	4444444444	4444444444	4444444444	4444444444	4444444444	4444444444	5522	11	1222	4444	4444	4444	4444	4444	4444
4444444444	4444444444	4444444444	4444444444	4444444444	4444444444	4444444444	4444444444	4444	4444	4444	4444	4444	4444	4444	4444	4444
4444444444	4444444444	4444444444	4444444444	4444444444	4444444444	4444444444	4444444444	4444	4444	4444	4444	4444	4444	4444	4444	4444
.....1.....	.....2.....	.....3.....	.....4.....	.....5.....	.....6.....	.....7.....										

CALCULATED RESISTIVITY (OHM-METERS)

W	1300		1400		1500		1600		1700	E
-5	-4	-3	-2	-1	0	+1	+2	+3	+4	+5
:-----:-----:-----:-----:-----:-----:-----:-----:-----:-----:										
	70.	78.	88.	27.	10.	9.	31.	99.		
	62.	57.	88.	19.	9.	24.	7.	29.	85.	
55.	53.	68.	18.	8.	22.	25.	7.	26.	73.	
51.	51.	68.	13.	9.	22.	24.	27.	6.	23.	65.
50.	67.	12.	7.	26.	24.	25.	27.	6.	22.	
	67.	12.	8.	22.		26.	26.	28.	5.	

Figure 6.1.14M

Project name: PROYECTO GEOTERMICO DE BAJA ENTALPIA "VALLE DE LOS CHILLOS"
 Model name: ST-14 (300M)

MEDIA RESISTIVITY (OHM-METERS)

2.00 5.00 15.00 20.00 35.00
 50.00 100.00

88	77	66	55	44	33	22	11	00	11	22	33	44	55	66	77	88
.....	1.....	.....	.....	2.....	.....	3.....	.....	.....	4.....	.....	.....	5.....	.....	.....	6.....	.....
6666	6666	6666	6666	6666	6666	6666	6666	6666	6666	6666	6666	6666	6666	6666	6666	6666
5555	6677	7766	6655	5533	3333	3333	3333	3354	4466	3355	6666	5555	1111	5555	5555	5555
5555	6677	7766	6655	5533	3355	5555	4466	5555	4466	5555	6666	5555	1111	5555	5555	5555
5555	6677	7755	5555	5555	1111	1133	5555	5522	6655	5555	5555	1111	5555	5555	5555	5555
2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222
2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222
2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222
2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222
2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222
2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222	2222
.....	1.....	.....	.....	2.....	.....	3.....	.....	.....	4.....	.....	.....	5.....	.....	.....	6.....	.....

CALCULATED RESISTIVITY (OHM-METERS)

W	1800	2100	2400	2700	3000	3300	3600	3900	4200	E
-5	-4	-3	-2	-1	0	+1	+2	+3	+4	+5
:	:	:	:	:	:	:	:	:	:	:
17.	7.	7.	10.	12.	11.	11.	18.	27.	4.	6.
9.	6.	5.	9.	7.	5.	6.	12.	2.	7.	6.
4.	7.	7.	7.	6.	7.	7.	5.	1.	6.	6.
4.	9.	6.	6.	6.	6.	6.	1.	5.	6.	6.

AREA: Sangolqui - Tingo

PERFIL: ST-11

DATOS TOMADOS POR:

FECHA: 19 - Dic - 84

PAGINA: 1

PROYECTO G. M. ERNICO
"VALLE DE LOS CHILLOS"
CAMPAÑA DE GEOFISICA
CONVENIO INE - D.G.G.M.

Rx	Tx	n	V	f	f ₀	Observaciones
27-24W	6-3W	6	0.3 x 180/300	6.32	9.02	
	3W-0	7	0.3 x 240/300	7.21	15.81	19/Dic/84
24-21W	6-3W	5	3 x 100/300	6.38	31.02	ST-11
	3W-0	6	3 x 140/300	7.35	60.32	
	0-3E	7	3 x 260/300	7.86	15.71	
21-18W	6-3W	4	3 x 1.96	6.73	98.81	
	3W-0	5	0.3 x 1.00	7.40	8.02	
	0-3E	6	3 x 1.20	7.88	144.67	
	3-6E	7	3 x 1.98	6.72	419.87	
0-3E	6-3W	1	30 x 1.59	5.72	47.16	
3-6E	0-3W	1	30 x 3.29	7.79	71.65	
	6-3W	2	10 x 2.33	5.72	92.14	
6-9E	0-3E	1	30 x 3.52	7.61	78.47	
	3W-0	2	30 x 1.28	7.95	169.22	
	3-6W	3	10 x 1.69	6.76	141.37	
9-12E	6-3E	1	30 x 1.45	5.58	44.88	
	3E-0	2	10 x 1.99	7.62	59.07	
	0-3W	3	10 x 1.00	7.97	70.95	
	3-6W	4	3 x 1.34	5.85	77.72	
12-15E	6-3E	2	10 x 1.74	6.47	60.83	
	3E-0	3	3 x 3.98	7.58	89.08	
	0-3W	4	3 x 1.54	7.92	65.97	
	3-6W	5	1 x 2.40	6.72	70.69	
15-18E	6-3E	3	3 x 1.42	6.49	37.22	
	3E-0	4	1 x 2.56	7.61	38.05	
	0-3W	5	1 x 1.07	7.94	26.67	
	3-6W	6	0.3 x 2.52	6.73	35.57	
18-21E	6-3E	4	0.3 x 3.39	6.50	171.70	
	3E-0	5	0.3 x 1.33	7.61	101.38	
	0-3W	6	0.3 x 1.30	7.94	15.55	
	3-6W	7	0.3 x 1.00	6.72	21.21	
21-24E	6-3E	5	0.3 x 30/300	6.44	0.92	
	3E-0	6	0.3 x 20/300	7.59	0.83	
	0-3W	7	0.3 x 10/300	7.92	0.60	
24-27E	6-3E	6	0.3 x 80/300	6.49	3.90	
	3E-0	7	0.3 x 20/300	7.58	1.25	

AREA: Sangolqui - Tingo

PERFIL: ST-11

DATOS TOMADOS POR:

FECHA: 20 - Dic - 84

PAGINA: 1

INSTITUTO VECO,
LOS CHULOS
CORPORACION DE GEOFISICA
CONVENIO LINE - D.G. 1984

Rx	Tx	n	V	I	Pa	Observaciones
18-15W	9-6E	7	0.3x20/300	5.41	1.26	
15-12W	6-9E	6	3x240/300	5.42	140.22	1.76 ***
	9-12E	7	3x40/300	4.67	40.69	14.82 ***
12-9W	6-9E	5	3x1.25	5.43	136.67	48.89 ***
	9-12E	6	3x100/300	4.68	67.67	135.85 ***
	12-15E	7	3x80/300	4.76	79.83	57.57 ***
9-6W	6-9E	4	3x2.35	5.40	147.66	73.83 ***
	9-12E	5	0.3x200/300	4.67	8.48	147.55 ***
	12-15E	6	0.3x120/300	4.75	8.00	8.43 ***
	15-18E	7	0.3x40/300	4.42	4.30	8.00 ***
12-15E	6-9E	1	30x2.56	4.78	90.85	98.85 ***
15-18E	9-12E	1	30x1.44	4.67	52.31	52.31 ***
	9-6E	2	10x2.21	5.31	94.14	96.14 ***
18-21E	15-12E	1	10x3.18	4.80	37.46	48.12 ***
	12-9E	2	3x3.36	4.66	48.43	48.53 ***
	9-6E	3	3x3.14	5.38	99.01	39.81 ***
21-24E	18-15E	1	3x360/300	4.46	28.53	28.53 ***
	15-12E	2	3x2.01	4.78	28.53	2.43 ***
	12-9E	3	0.3x200/300	4.66	2.43	42.52 ***
	9-6E	4	3x200/300	5.32	42.52	23.58 ***
24-27E	18-15E	2	3x1.54	4.47	23.38	35.57 ***
	15-12E	3	3x1.00	4.77	35.57	29.19 ***
	12-9E	4	0.3x400	4.65	29.19	9.50 ***
	9-6E	5	0.3x360/300	5.36	13.29	

AREA: Sangolqui - Tingo

PERFIL: ST-12

DATOS TOMADOS POR:

FECHA: 10 - Dic - 84

PAGINA: 1

PROYECTO GEOTERMICO
"VALLE DE LOS CHILLOS"
CAMPAÑA DE GEOFISICA
CONVENIO INE - D.G.G.M.

Rx	Tx	n	V	I		
30-27W	24-21W	1	30 x 1.42	4.89	49.26	10-12-84
	21-18W	2	10 x 1.78	7.25	55.53	ST-12
	18-15W	3	3 x 1.95	4.80	67.51	ST-12
	15-12W	4	1 x 2.26	3.50	73.03	
27-24W	21-18W	1	30 x 1.48	7.29	34.44	
	18-15W	2	10 x 1.20	4.89	55.51	49.26 ✓ ***
	15-12W	3	3 x 1.41	3.50	68.34	55.53 ✓ ***
24-21W	18-15W	1	10 x 3.47	4.86	40.38	67.51 ✓ ***
	15-12W	2	3 x 2.59	3.50	50.22	73.03 ✓ ***
21-18W	15-12W	1	10 x 3.21	3.48	52.16	34.44 ✓ ***
12-9W	24-21W	3	3 x 2.71	4.97	92.50	55.51 ✓ ***
	21-18W	2	10 x 2.43	7.24	75.92	68.34 ✓ ***
	18-15W	1	30 x 1.67	4.89	58.41	49.26 ✓ ***
9-6W	24-21W	4	3 x 1.81	4.99	124.06	55.53 ✓ ***
	21-18W	3	10 x 1.34	7.22	104.95	67.51 ✓ ***
	18-15W	2	10 x 2.13	4.89	99.34	73.03 ✓ ***
	15-12W	1	30 x 1.91	3.48	73.61	34.44 ✓ ***
6-3W	24-21W	5	1 x 2.95	5.01	116.54	55.51 ✓ ***
	21-18W	4	3 x 2.25	7.21	105.88	68.34 ✓ ***
	18-15W	3	3 x 3.00	4.84	105.15	49.26 ✓ ***
	15-12W	2	10 x 1.34	3.47	87.35	55.53 ✓ ***
3W-0	24-21W	6	1 x 2.01	5.02	126.80	67.51 ✓ ***
	21-18W	5	3 x 1.42	7.24	116.46	73.03 ✓ ***
	18-15W	4	3 x 1.79	4.84	128.48	34.44 ✓ ***
	15-12W	3	3 x 2.31	3.48	112.61	55.51 ✓ ***
0-3E	24-21W	7	1 x 1.45	5.03	136.93	68.34 ✓ ***
	21-18W	6	1 x 2.93	7.23	128.33	49.26 ✓ ***
	18-15W	5	1 x 3.41	4.84	139.44	55.53 ✓ ***
	15-12W	4	1 x 3.50	3.46	127.48	67.51 ✓ ***
3-6E	21-18W	8	1 x 1.60	7.24	104.97	73.03 ✓ ***
	18-15W	8	1 x 1.69	4.84	110.57	34.44 ✓ ***
	15-12W	8	1 x 1.90	3.46	108.68	55.51 ✓ ***
6-9E	18-15W	7	0.3 x 2.61	4.83	77.60	68.34 ✓ ***
	15-12W	6	1 x 1.33	5.32	79.17	49.26 ✓ ***
9-12E	15-12W	7	0.3 x 3.17	5.33	84.75	55.53 ✓ ***

AREA: Sangolqui - Tingo
 PERFIL: ST-12
 DATOS TOMADOS POR: _____
 FECHA: 11 - Dic - 84
 PAGINA: 1

PROYECTO GEOTERMICO
 "VALLE DE LOS CHILLOS"
 CAMPAÑA DE GEOFISICA
 CONVENIO INE - D.G.G.M.

Rx	Tx	n	V	I	Po	Observaciones
30-27W	12-9W	5	1 x 2.22	5.72	76.82	
	9-6W	6	1 x 1.86	7.32	80.47	11-12-84
	6-3W	7	1 x 1.79	9.19	92.52	ST-12
27-24W	12-9W	4	3 x 1.42	5.72	84.23	
	9-6W	5	3 x 1.12	7.34	90.60	76.82 ***
	6-3W	6	3 x 1.00	9.22	103.04	90.47 ***
6-3W	3W-0	7	1 x 1.50	6.72	106.03	92.52 ***
	12W-9W	1	30 x 1.74	3.75	78.72	84.23 ***
	3W-0	2	10 x 1.60	3.75	96.51	90.60 ***
0-3E	9-6W	1	30 x 1.96	5.12	64.94	103.04 ***
	12-9W	3	3 x 2.54	3.74	115.21	106.03 ***
	9-6W	2	10 x 2.00	5.11	88.53	78.72 ***
3-6E	6-9W	1	30 x 3.66	7.78	79.81	96.51 ***
	12-9W	4	3 x 1.52	5.70	90.48	64.94 ***
	9-6W	3	3 x 3.02	6.42	29.80	115.21 ***
6-9E	6-3W	2	10 x 2.70	7.69	79.42	88.53 ***
	9W-0	1	30 x 2.72	6.74	68.46	79.81 ***
	12-9W	5	1 x 1.55	3.75	81.81	90.48 ***
9-12E	9-6W	4	1 x 3.41	5.12	75.32	79.42 ***
	6-3W	3	3 x 3.60	7.80	78.30	96.51 ***
	3W-0	2	10 x 1.77	5.39	74.28	75.32 ***
12-15E	12-9W	6	0.3 x 3.55	3.74	90.18	78.30 ***
	9-6W	5	1 x 2.34	5.11	90.63	74.28 ***
	6-3W	4	3 x 2.18	7.79	94.95	90.18 ***
15-18E	3-0W	3	3 x 3.31	5.32	105.56	90.63 ***
	12-9W	7	1 x 1.12	5.60	95.00	94.95 ***
	9-6W	6	1 x 1.87	6.42	92.24	105.56 ***
18-21E	6-9W	5	3 x 1.40	7.82	106.30	95.00 ***
	3W-0	4	3 x 1.92	5.41	120.41	92.24 ***
	9-6W	7	0.3 x 2.12	6.38	47.35	106.30 ***
21-24E	6-3W	6	1 x 1.32	7.82	53.45	120.41 ***
	3W-0	5	1 x 1.72	5.39	63.16	47.35 ***
	6-3W	7	0.3 x 2.63	9.31	40.25	53.45 ***
24-27E	3W-0	5	0.3 x 3.97	6.72	35.08	63.16 ***
	3W-0	7	0.3 x 100/300	6.78	7.01	40.25 ***

AREA: Sangolqui Tingo

PERFIL: ST-12

DATOS TOMADOS POR: _____

FECHA: 12 - Dic - 84

PAGINA: 1

PROYECTO GEOTERMICO
VALLE DE LOS CHILLAS
CAMPAÑA DE GEOFISICA
CONVENIO INE - D.O.C.I.

Rx	Tx	n	V	I	Pc	Observaciones
6-9E	0-3E	1	30 x 1.30	3.45	63.92	
9-12E	0-3E	2	10 x 1.54	3.50	99.53	12-12-84
	3-6E	1	30 x 1.69	4.50	63.71	ST-12
12-15E	0-3E	3	3 x 3.10	4.53	116.09	
	3-6E	2	10 x 2.28	5.75	89.69	63.92 ✓ ***
	6-9E	1	30 x 3.08	7.61	68.66	99.53 ✓ ***
15-18E	0-3E	4	3 x 1.06	5.39	66.73	63.71 ✓ ***
	3-6E	3	3 x 1.89	5.72	56.05	116.09 ✓ ***
	6-9E	2	10 x 1.66	7.58	49.54	89.69 ✓ ***
	9-12E	1	30 x 1.64	7.52	37.00	68.66 ✓ ***
18-21E	0-3E	5	1 x 1.47	5.38	54.88	66.73 ✓ ***
	3-6E	4	1 x 2.77	6.61	47.39	56.05 ✓ ***
	6-9E	3	3 x 2.51	9.03	47.66	49.54 ✓ ***
	9-12E	2	10 x 1.40	7.51	42.17	37.00 ✓ ***
21-24E	0-3E	6	0.3 x 2.52	5.90	56.68	54.88 ✓ ***
	3-6E	5	1 x 1.72	6.62	51.92	47.39 ✓ ***
	6-9E	4	3 x 1.19	9.05	44.61	47.66 ✓ ***
	9-12E	3	3 x 2.08	7.50	47.05	42.17 ✓ ***
24-27E	0-3E	7	1 x 140/300	5.84	37.82	56.68 ✓ ***
	3-6E	6	1 x 140/300	6.58	22.46	51.92 ✓ ***
	6-9E	5	1 x 1.81	9.04	39.63	44.61 ✓ ***
	9-12E	4	1 x 2.49	7.50	37.55	47.05 ✓ ***
27-30E	3-6E	7	1 x 120/300	6.62	28.70	37.82 ✓ ***
	6-9E	6	1 x 120/300	9.04	14.01	22.46 ✓ ***
	9-12E	5	1 x 140/300	7.52	12.28	39.63 ✓ ***

AREA Sangolqui Tingo

PERFIL: ST-12

DATOS TOMADOS POR:

FECHA: 14 - Dic - 84

PAGINA: 1

PROYECTO GEOTERMICO
"VALLE DE LOS CHILLOS"
CAMPAÑA DE GEOFISICA
CONVENIO INE - D.G.G.M.

Rx	Tx	n	V	I	Po	Observaciones
3w-0	24-21E	7	0.3 x 2.30	5.93	18.42	41.01 ***
0-3E	24-21E	6	0.3 x 2.32	5.92	37.23	14 Dic 84 ST-12 37.23 ✓ ***
3-6E	24-21E	5	1 x 1.32	5.95	43.91	43.91 ✓ ***
6-9E	24-21E	4	1 x 2.04	5.89	39.17	39.17 ✓ ***
27-30E	12-15E	14	0.3 x 2.80	6.98	2.68 13.61	26.83 ✓ ***
	15-18E	23	1 x 2.69	8.05	2.56 18.90	37.23 ✓ ***
	18-21E	32	3 x 1.66	6.09	46.24 18.50	43.91 ✓ ***
	21-24E	41	10 x 2.30	5.87	443.12 22.16	39.17 ✓ ***
27-24E	12-15E	3	3 x 1.19	7.01	28.80	7.56 ✓ ***
	15-18E	2	10 x 1.82	8.05	51.14	46.24 ✓ ***
	18-21E	1	30 x 1.84	6.14	50.83	443.14 ✓ ***
24-21E	18-15E	1	30 x 3.36	8.07	70.63	39.80 ✓ ***
	15-12E	2	10 x 1.34	7.05	42.19	51.14 ✓ ***
21-18E	15-12E	1	30 x 1.17	7.03	28.23	50.84 ✓ ***
						79.65 ✓ ***
						42.58 ✓ ***
						28.23 ✓ ***

1. Some reports on this page
2. Separators wrong, caused wrong results

Reducido

AREA: Sangolqui Tingo
 PERFIL: ST - 13
 DATOS TOMADOS POR: _____
 FECHA: 26 - XI - 84
 PAGINA: 1 de 1

PROYECTO GEOTERMICO
 "VALLE DE LOS CHILLOS"
 CAMPAÑA DE GEOFISICA
 CONVENIO INE - D.G.G.M.

Rx	Tx	n	V	I	Pa	Observaciones
48-49 S	30-27 S	5	1 x 1.92	6.26	60.70	
	27-24 S	6	1 x 3.37	6.14	*173.81	* 30 EN 27 27 EN 30
	24-21 S	7	0.3 x 140/300	6.38	10.42	DIPOLÉ 27-24 W 207 G
45-42 S	30-27 S	4	3 x 1.35	6.23	78.52	68.39 ***
	27-24 S	5	3 x 2.23	6.12	76.55	173.81 ***
	24-21 S	6	1 x 1.52	6.40	75.21	10.42 ***
	21-18 S	7	0.3 x 2.92	6.57	63.33	73.52 ***
42-39 S	30-27 S	3	3 x 2.90	6.21	79.22	216.35 ***
	27-24 S	4	10 x 1.38	6.17	89.246	75.21 ***
	24-21 S	5	1 x 2.82	6.44	86.67	63.33 ***
	21-18 S	6	1 x 1.51	6.59	72.56	79.22 ***
39-36 S	30-27 S	2	10 x 1.92	5.26	82.57	252.96 ***
	27-24 S	3	3 x 3.33	5.46	103.47	86.67 ***
	24-21 S	4	3 x 1.96	6.45	103.10	72.56 ***
	21-18 S	5	3 x 1.00	6.61	89.83	82.57 ***
36-33 S	30-27 S	1	30 x 2.57	5.32	81.45	103.47 ***
	27-24 S	2	10 x 2.67	5.48	110.21	89.83 ***
	24-21 S	3	10 x 1.37	6.48	119.56	81.45 ***
	21-18 S	4	3 x 1.85	5.71	109.45	110.21 ***
33-30 S	27-24 S	1	30 x 3.11	6.95	75.91	119.56 ***
	24-21 S	2	10 x 2.62	6.47	91.60	109.45 ***
	21-18 S	3	3 x 3.21	5.66	96.21	75.91 ***
30-27 S	24-21 S	1	30 x 3.54	8.39	71.58	96.21 ***
	21-18 S	2	10 x 3.97	8.01	112.11	71.58 ***
24-21 S	21-18 S	1	100 x 1.15	8.01	81.19	112.11 ***

AREA: Sangolqui - Tingo
 PERFIL: ST-13
 DATOS TOMADOS POR:
 FECHA: 27 - Nov - 84
 PAGINA: 1 de 2

PROYECTO GEOTERMICO
 "VALLE DE LOS CHITOS"
 CAMPAÑA DE GEOFISICA
 CONVENIO INE - D.G.G.M.

Rx	Tx	n	V	T	ρ_0	Observaciones
42-39 S	18-15 S	7	0.3 x 3.17	5.62	80.37	
39-36 S	18-15 S	6	1 x 1.67	5.64	93.77	
	15-12 S	7	0.3 x 2.77	4.02	98.19	88.38 ***
36-33 S	18-15 S	5	1 x 1.79	3.24	109.36	93.77 ***
	15-12 S	6	1 x 1.47	4.05	114.94	98.15 ***
	12-9 S	7	1 x 1.46	7.22	96.05	103.34 ***
33-30 S	18-15 S	4	1 x 2.77	3.26	96.10	114.60 ***
	15-12 S	5	1 x 2.17	4.08	105.27	96.85 ***
	12-9 S	6	1 x 1.84	7.25	80.37	96.78 ***
	9-6 S	7	1 x 1.20	6.25	91.20	105.27 ***
30-27 S	18-15 S	3	3 x 1.84	6.22	50.18	88.37 ***
	15-12 S	4	3 x 1.30	4.07	108.37	91.20 ***
	12-9 S	5	3 x 1.10	7.26	89.46	58.16 ***
	9-6 S	6	1 x 2.05	6.25	103.87	108.37 ***
24-27 S	18-15 S	2	10 x 1.35	3.29	92.32	52.82 ***
	15-12 S	3	3 x 2.71	4.09	112.41	112.41 ***
	12-9 S	4	8 x 2.23	7.32	103.36	103.36 ***
	9-6 S	5	3 x 1.21	6.36	112.41	76.25 ***
24-21 S	18-15 S	1	30 x 1.47	3.27	76.26	97.72 ***
	15-12 S	2	10 x 1.78	4.12	97.73	92.72 ***
	12-9 S	3	10 x 1.21	7.38	92.72	115.42 ***
	9-6 S	4	3 x 2.15	6.32	115.42	89.53 ***
21-18 S	15-12 S	1	30 x 2.20	4.15	89.93	88.52 ***
	12-9 S	2	10 x 2.90	7.41	88.52	73.28 ***
	9-6 S	3	3 x 3.25	6.39	86.28	80.98 ***
12-9 S	18-15 S	1	30 x 1.42	3.29	73.22	79.85 ***
9-6 S	18-15 S	2	10 x 1.16	3.24	80.97	106.35 ***
	15-12 S	1	30 x 1.91	4.10	79.03	105.83 ***
6-3 S	18-15 S	3	3 x 2.05	3.27	106.35	82.87 ***
	15-12 S	2	10 x 1.91	4.09	105.63	59.88 ***
	12-9 S	1	30 x 3.58	7.40	82.07	72.86 ***
35-0	18-15 S	4	1 x 2.02	3.27	69.86	61.03 ***
	15-12 S	3	3 x 1.75	4.12	72.06	58.81 ***
	12-9 S	2	10 x 2.02	7.39	61.83	95.87 ***
	9-6 S	1	30 x 1.89	6.31	50.81	94.82 ***
0-3 N	18-15 S	5	1 x 1.65	3.27	99.87	53.14 ***
	15-12 S	4	3 x 1.15	4.15	94.02	82.46 ***
	12-9 S	3	10 x 1.23	7.46	93.24	4.50 ***
	9-6 S	2	10 x 2.33	6.39	82.48	37.75 ***
3 N-6 N	18-15 S	6	0.3 x 80/300	5.12	4.95	48.67 ***
	15-12 S	5	3 x 120/300	6.29	37.76	80.77 ***
	12-9 S	4	3 x 1.07	7.46	48.67	71.82 ***
	9-6 S	3	3 x 3.09	6.49	80.97	5.83 ***
6-3 N	18-15 S	7	0.3 x 129/300	5.15	11.07	74.82 ***
	15-12 S	6	0.3 x 1.00	6.32	15.03	69.75 ***
	12-9 S	5	1 x 2.82	7.54	74.02	105.83 ***
	9-6 S	4	3 x 1.33	6.47	69.75	108.35 ***

11.07

CONTINUED ON OTHER SIDE

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AREA: Sangolqui-Tingo
 PERFIL: ST-13
 DATOS TOMADOS POR: _____
 FECHA: 28 - Nov - 84
 PAGINA: 1 de 3

PROYECTO GEOTERMICO
 "VALLE DE LOS CHILLOS"
 CAMPAÑA DE GEOFISICA
 CONVENIO INE - D.G.G.M

Rx	Tx	n	V	I	So	Observaciones
18-21 S	6-3 S	4	3 x 2.07	6.22	112.92	
	3-0 S	5	1 x 2.58	6.52	78.32	
	0-3 N	6	1 x 1.26	4.37	91.31	
	3-6 N	7	0.3 x 100	5.75	24.78	
24-21 S	6-3 S	5	3 x 1.45	6.30	136.66	112.92 ✓ ***
	3-0 S	6	1 x 1.72	6.54	83.28	78.32 ✓ ***
	0-3 N	7	0.3 x 160/300	4.38	17.35	91.31 ✓ ***
24-27 S	6-3 S	6	1 x 2.54	6.34	176.87	24.78 ✓ ***
	3-0 S	7	1 x 240/300	6.55	58.07	136.65 ✓ ***
27-30 S	6-3 S	7	1 x 1.43	6.32	107.47	83.28 ✓ ***
6-3 S	0-3 N	1	30 x 1.69	4.45	60.62	17.35 ✓ ***
	3-6 N	2	10 x 1.02	3.36	68.67	126.87 ✓ ***
3-0 S	3-6 N	1	30 x 1.26	3.35	63.81	58.07 ✓ ***
6-9 N	6-3 S	2	10 x 1.17	6.32	104.69	107.45 ✓ ***
	3-0 S	2	10 x 2.58	6.57	88.85	60.62 ✓ ***
	0-3 N	1	30 x 2.22	4.42	85.21	68.67 ✓ ***
9-12 N	6-3 S	4	3 x 2.26	6.35	120.76	53.81 ✓ ***
	3-0 S	3	10 x 1.24	6.56	106.89	104.69 ✓ ***
	0-3 N	2	10 x 2.35	4.41	120.53	88.85 ✓ ***
	3-6 N	1	30 x 1.95	3.36	93.46	85.21 ✓ ***
12-15 N	6-3 S	5	3 x 1.08	6.28	102.11	120.75 ✓ ***
	3-0 S	4	3 x 1.77	6.41	93.69	106.89 ✓ ***
	0-3 N	3	3 x 3.04	4.40	117.21	120.53 ✓ ***
	3-6 N	2	10 x 1.53	3.33	103.53	93.46 ✓ ***
15-18 N	6-3 S	6	1 x 1.93	6.32	96.21	117.21 ✓ ***
	3-0 S	5	1 x 2.91	6.51	88.47	103.53 ✓ ***
	0-3 N	4	3 x 1.50	4.37	116.46	88.47 ✓ ***
	3-6 N	3	3 x 2.10	3.33	106.98	116.46 ✓ ***

AREA: Sangolqui - Tingo

PERFIL: ST-13

DATOS TOMADOS POR:

FECHA: 29 - Nov - 84

PAGINA: 1 de 4

PROYECTO GEOTERMICO
"VALLE DE LOS CHILLOS"
CAMPAÑA DE GEOFISICA
CONVENIO INE - D.G.G.M.

Rx	Tx	n	V	I	Pa	Observaciones
9-6 S	15-18 N	7	0.3 x 160/300	6.71	11.35	
12-15 N	6-9 N	1	30 x 1.92	3.64	89.48	
15-18 N	6-9 N	2	10 x 1.85	3.64	114.96	
18-21 N	9-12 N	1	30 x 3.17	5.03	106.91	11.35 ✓ ***
	6-9 N	3	3 x 2.02	3.60	95.19	89.48 ✓ ***
	9-12 N	2	10 x 2.27	5.13	100.09	114.96 ✓ ***
21-24 N	12-15 N	1	100 x 1.18	8.34	80.01	106.91 ✓ ***
	6-9 N	4				95.19 ✓ ***
	9-12 N	3				100.09 ✓ ***
	12-15 N	2				106.91 ✓ ***
24-27 N	15-18 N	1				114.96 ✓ ***
	6-9 N	5	0.3 x 49/300	6.22	1.27	8.65 ✓ ***
	9-12 N	4	0.3 x 160/300	7.48	2.42	1.27 ✓ ***
	12-15 N	3	1 x 3.06	8.43	20.53	2.42 ✓ ***
27-30 N	15-18 N	2	3 x 3.52	7.09	33.69	20.53 ✓ ***
	6-9 N	6	0.3 x 209/300	5.63	11.26	33.69 ✓ ***
	9-12 N	5	1 x 2.44	6.68	73.39	11.26 ✓ ***
	12-15 N	4	3 x 1.89	8.58	74.74	73.39 ✓ ***
30-33 N	15-18 N	3	10 x 1.23	7.13	97.55	74.74 ✓ ***
	6-9 N	7	0.3 x 100/300	5.69	8.35	97.55 ✓ ***
	9-12 N	6	0.3 x 180/300	6.59	8.65	8.35 ✓ ***
	12-15 N	5	1 x 3.48	8.63	79.81	8.65 ✓ ***
33-36 N	15-18 N	7	3 x 2.15	7.11		79.81 ✓ ***
	9-12 N	7	0.3 x 130/300	6.62	9.73	3.35 ✓ ***
	12-15 N	8	0.3 x 269/300	8.66	9.51	9.73 ✓ ***
36-39 N	15-18 N	6	1 x 3.06	6.19	93.84	9.51 ✓ ***
	12-15 N	7	0.3 x 2.16	8.60	35.79	93.84 ✓ ***
	15-18 N	6	1 x 1.82	6.21	92.81	35.79 ✓ ***
39-42 N	15-18 N	7	1 x 1.05	8.23	80.06	92.81 ✓ ***

AREA: Sangolqui - Tingo
 PERFIL: ST-13
 DATOS TOMADOS POR: _____
 FECHA: 2 - Dic - 84
 PAGINA: 1 - de 5

PROYECTO GEOTERMICO
 "VALLE DE LOS CHILLOS"
 CAMPAÑA DE GEOFISICA
 CONVENIO INE - D.G.G.M.

Rx	Tx	n	V	I	P ₀	Observaciones
6-3 S	15-21 N	7	3x120/300	6.56	86.89	
3-0 S	18-21 N	6	3x140/300	6.62	66.97	
	21-24 N	7	3x180/300	8.62	99.19	
0-3 N	18-21 N	5	3x1.01	6.63	90.45	88.89 ✓ ***
	21-24 N	6	3x1.42	8.75	134.17	65.57 ✓ ***
	24-27 N	7	3x60/300	9.11	31.28	23.19 ✓ ***
3-6 N	18-21 N	4	3x1.87	6.70	94.70	96.45 ✓ ***
	21-24 N	5	3x2.20	8.77	148.45	64.17 ✓ ***
	24-27 N	6	1x1.06	9.26	36.25	52.30 ✓ *** 31.28
	27-30 N	7	0.3x1.44	6.39	32.11	148.55 ✓ ***
6-9 N	21-24 N	4	3x3.03	7.31	140.64	38.25 ✓ ***
9-12 N	21-24 N	3	10x1.92	7.22	150.33	32.11 ✓ ***
12-16 N	21-24 N	2	30x1.26	7.32	116.81	140.64 ✓ ***
15-12 N	21-24 N	1	100x1.51	7.33	116.49	150.38 ✓ ***
24-27 N	18-21 N	1	100x89/300	6.63	22.74	118.81 ✓ ***
27-30 N	18-21 N	2	30x120/300	6.62	41.00	116.49 ✓ ***
	21-24 N	1	30x180/300	7.28	13.48	22.74 ✓ ***
30-33 N	18-21 N	3	30x20/300	6.63	25.09	41.00 ✓ ***
	21-24 N	2		8.83		25.09 ✓ ***
	24-27 N	1	10x240/300	9.25	41.8	41.00 ✓ ***
33-36 N	18-21 N	4	3x1.64	6.65	83.68	116.49 ✓ ***
	21-24 N	3		8.83		63.68 ✓ ***
	24-27 N	2	30x1.58	9.22	116.29	116.49 ✓ ***
	27-30 N	1	30x2.08	5.49	64.27	64.27 ✓ ***
36-39 N	18-21 N	5	1x1.95	6.64	58.12	58.12 ✓ ***
	21-24 N	4	3x140/300	8.49	181.01	174.11 ✓ ***
	24-27 N	3	10x2.17	9.15	134.11	70.15 ✓ ***
	27-30 N	2	10x1.90	5.48	78.43	74.74 ✓ ***
39-42 N	18-21 N	6	1x1.56	6.61	74.74	18.58 ✓ ***
	21-24 N	5	0.3x1.57	8.81	10.58	149.49 ✓ ***
	24-27 N	4	10x1.22	9.23	149.49	30.50 ✓ *** 90.85
	27-30 N	3	3x2.94	5.49	90.85	

GOBERNADA
 PROFUNDADA
 24-21

AREA: LA MERCED-ILALO

PROYECTO GEOTERMICO

PERFIL: LM-1

DATOS TOMADOS POR:

"VALLE DE LOS CHILLOS"

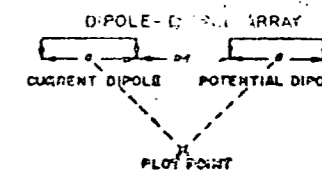
FECHA: 26-02-85

PAGINA: 1

CONVENIO INE - D.G.G.M.

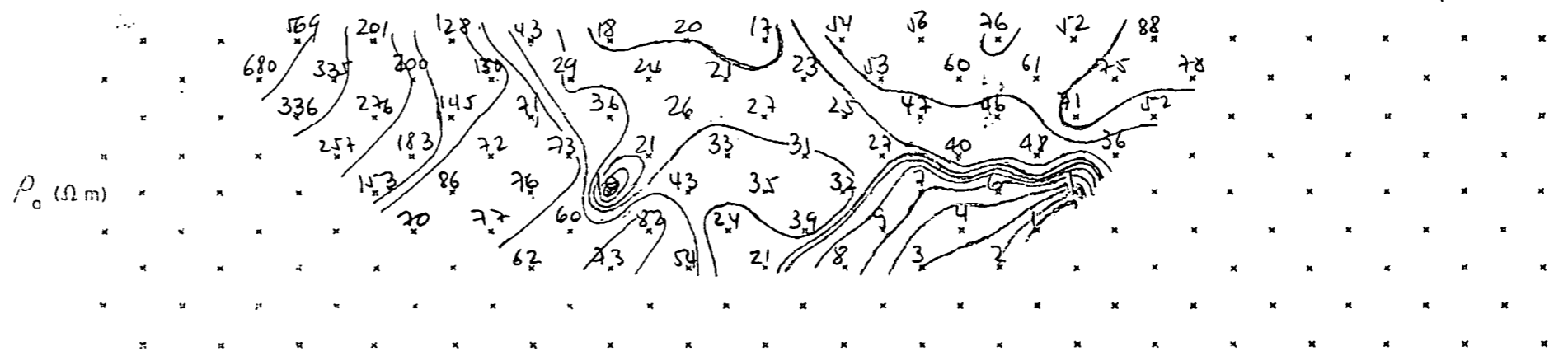
Kx	Tx	n	V	I	ρ _o	observaciones
24-21 N	15-12 N	2	100x1.52	5.05		
	12-9	3	30x1.24	6.27		
	9-6	4	10x1.62	7.12		
	6-3 N	5	3x1.31	5.07		
	3N-0	6	0.3x3.08	4.18	586.82 ***	
					335.50 ***	
21-18 N	15-12 N	1	300x1.69	5.04	257.33 ***	
	12-9	2	100x1.05	7.08	152.17 ***	
	9-6	3	30x1.16	7.12	70.88 ***	
	6-3 N	4	3x2.74	5.07	589.85 ***	
	3N-0	5	1x2.05	4.73	335.46 ***	
					276.35 ***	
18-15 N	12-9 N	1	100x2.53	7.12	182.35 ***	
	9-6	2	30x2.09	7.10	85.78 ***	
	6-3 N	3	10x1.3	5.06	288.94 ***	
	3N0	4	1x3.02	4.74	139.75 ***	
15-12 N	9-6 N	1	100x1.62	7.15	145.28 ***	
	6-3 N	2	10x2.44	4.26	72.86 ***	
	3N-0	3	3x1.96	4.67	128.12 ***	
12-9 N	6-3 N	1	30x1.28	5.07	129.56 ***	
	3N-0	2	3x1.81	4.18	71.28 ***	
9-6 N	3N-0	1	10x1.35	4.17	42.83 ***	
9-3 S	6-3 N	1	10x2.00	5.61	25.38 ***	
	9-6 N	2	3x2.59	7.21	18.71 ***	
	12-9	3	3x1.35	6.41	28.16 ***	
	15-12 N	4	3x1.09	5.07	24.36 ***	
3-6 S	3N-0	1	10x1.41	4.82	35.72 ***	
	6-3 N	2	3x1.77	5.74	72.94 ***	
	9-6	3	1x3.37	7.32	16.54 ***	
	12-9	4	1x1.22	6.45	28.82 ***	
	15-12	5	0.3x ²⁶⁰ / ₃₀₀	5.08	26.83 ***	
6-9 S	3N-0	2	3x1.65	4.85	26.96 ***	
	6-3	3	1x2.47	5.18	32.98 ***	
	9-6	4	1x2.10	7.24	43.12 ***	
	12-9	5	1x1.39	6.38	22.75 ***	
	15-12	6	1x1.33	5.09	25.16 ***	
					38.79 ***	
9-12 S	3N-0	3	1x2.14	4.81	34.78 ***	
	6-3 N	4	1x1.56	5.73	23.79 ***	
	9-6	5	1x1.28	7.30	53.65 ***	
	12-9	6	0.3x1.61	6.43	27.85 ***	
	15-12 N	7	0.3x1.92	5.10	32.15 ***	
12-15 S	3N-0	4	1x1.14	4.77	39.88 ***	
	6-3 N	5	0.3x2.81	5.19	28.91 ***	
	9-6	6	0.3x2.96	7.21		
	12-9 N	7	0.3x ²⁶⁰ / ₃₀₀	6.36		

DIPOLE - DIPOLE ARRAY APPARENT RESISTIVITY



a = meters

N 24 21 18 15 12 9 6 3 N 0 3 S 6 9 12 15 18 21 24 S



ρ_o

ρ_o (Ωm)

AREA

AREA: LA MERCEZ-ILUNO

PROYECTO GEOTERMICO

PERFIL: LM-2

"VALLE DE LOS CHILLOS"

DATOS TOMADOS POR:

FECHA: 05.02.22

PAGINA: 1

CONVENIO INE - D.G.G.M.

Rx	Tx	n	V	I	pa	observaciones
24-21N	15-12N	2	10x2.77	4.52	2.22	
	12-9	3	10x1.98	5.38		
	9-6	4	10x1.48	7.24		
	6-3	5	3x1.97	7.20		
	3N-0	6	1x2.63	5.74		
21-18N	15-12N	1	30x2.35	4.52		
	12-9	2	30x1.31	5.41		
	9-6	3	10x2.29	6.57		
	6-3	4	3x3.22	7.20		
	3N-0	5	3x1.30	5.73		
18-15N	12-9N	1	100x1.70	5.40		
	9-6	2	30x2.63	6.58		
	6-3	3	10x2.97	7.20		
	3N-0	4	10x1.16	5.71		
15-12N	9-6N	1	30x1.76	6.78		
	6-3	2	10x1.73	7.30		
	3N-0	3	3x2.27	5.82		
12-9N	6-3N	1	30x2.04	7.26		
	3N-0	2	10x1.87	5.75		
9-6N	3N-0	1	30x3.05	5.72		
9-12S	15-12N	7	0.3x1.49	4.48		
	12-9	6	0.3x3.37	5.31		
	9-6	5	1x1.89	6.58		
	6-3	4	1x2.41	7.22		
	3N-0	3	3x1.26	5.76		
12-15S	12-9N	7	0.3x2.20	5.38		
	9-6	6	1x1.09	6.55		
	6-3	5	1x1.74	7.30		
	3N-0	4	1x1.82	5.80		
15-18S	9-6N	7	0.3x1.31	6.56		
	6-3	6	0.3x1.00	7.25		
	3N-0	5	0.3x1.00	5.80		
18-21S	6-3N	7	0.3x1.85	7.25		
	3N-0	6	0.3x2.17	5.78		
21-20	3N-0	7	1.3x2.50	5.76		

AREA: LA TIENDEZ - ICAJO

PROYECTO GEOTERMICO

PERFIL: LM-2

"VALLE DE LOS CHILLOS"

DATOS TOMADOS POR:

FECHA: 85-02-25

CONVENIO INE - D.G.G.M.

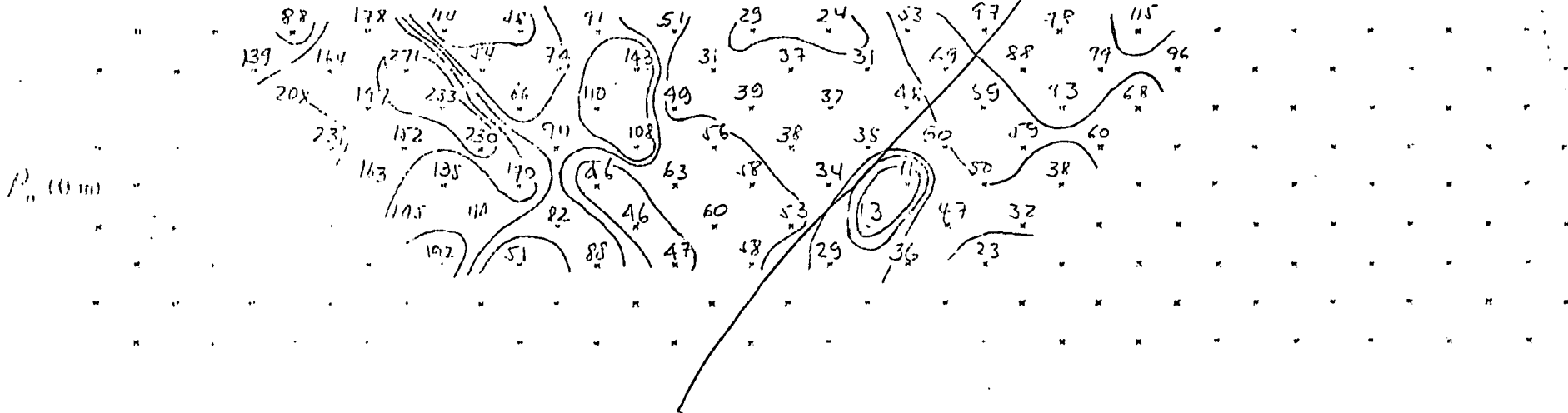
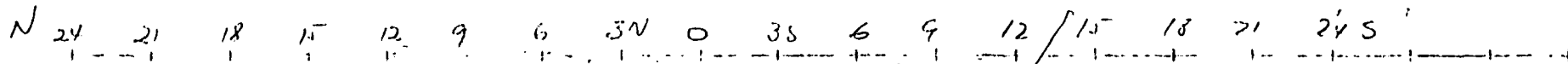
PAGINA: 2

Rx	Tx	n	V	I	fo	observaciones
24-21N	0-35	7	1x1.91	4.71		
21-18N	0-35	6	1x1.69	4.71		
	3-65	7	0.3x2.20	6.11	22.25	
18-15N	0-35	5	3x1.35	4.71		
	3-6	6	1x1.59	6.14	21.55	
	6-95	7	1x1.47	7.93	21.55	
15-12N	0-35	4	3x1.31	4.72	17.75	
	3-6	5	1x1.42	6.13	12.00	
	6-95	6	1x1.14	7.92	98.05	
12-9N	0-35	3	3x3.06	4.72	94.17	
	3-6	4	1x3.01	7.15	45.55	
	6-95	5	1x2.56	7.93	15.55	
9-6N	0-35	2	10x2.98	4.72	109.07	
	3-6	3	3x1.77	6.14	50.35	
	6-95	4	3x1.31	7.94	142.01	
6-3N	0-35	1	30x1.41	4.72	45.30	
	3-6	2	3x2.76	6.15	55.22	
	6-95	3	3x1.80	7.94	51.05	
3N-0	3-65	1	30x1.03	6.11	35.42	
	6-95	2	10x1.30	7.90	22.50	
0-35	6-95	1	30x1.12	7.90	57.22	
	9-12	2	10x1.02	7.35	34.55	
	12-155	3	3x1.49	5.76	51.55	
3-65	9-125	1	30x2.32	7.38	57.55	
	12-155	2	10x1.35	6.65	65.62	
6-95	12-155	1	30x2.44	4.45	86.55	
15-18S	0-35	4	1x2.10	4.77	49.75	
	3-6	3	3x2.12	6.15	58.45	
	6-9	2	30x1.04	8.03	67.05	
	9-125	1	100x1.03	7.50	77.55	
18-21S	0-35	5	1x1.21	4.77	50.55	
	3-6	4	3x1.07	6.14	81.47	
	6-9	3	10x1.30	7.95	85.62	
	9-12	2	30x1.09	7.50	102.35	
	12-155	1	30x3.66	5.40	107.55	
21-24S	0-25	6	0.3x1.18	4.62	107.55	
	3-6	5	1x1.16	6.11	112.55	
	6-9	4	3x1.39	7.92	117.55	
	9-12	3	3x2.99	7.40	122.55	
	12-155	2	10x2.23	5.27	127.55	

POLE-DIPOLE ARRAY
APPARENT RESISTIVITY

1958
24 S

0 1 2 3 4 5 6 7 8 9 10 meters



AREA: LA MERCED - ILLALO

PERFIL: LM-3

DATOS TOMADOS POR:

FECHA: 85-03-14

PAGINA: 1

PROYECTO GEOTERMICO

"VALLE DE LOS CHILLOS"

CAMPAÑA DE GEOFISICA

CONVENIO INE - D.G.C.

Rx	Tx	n	V	I	f ₀	Observaciones
24-21N	12-9N	3	3x1.55	4.77		
	9-6	4	—	5.03		
	6-3N	5	1x1.90	5.61		
	3N-0	6	1x1.49	8.23		
21-18N	12-9N	2	10x1.02	4.78		
	9-6	3	3x1.27	5.02	55.13	
	6-3	4	1x3.16	5.62		
	3N-0	5	1x2.36	8.27	67.63	
18-15N	12-9N	1	30x1.21	4.76	57.33	
	9-6	2	3x3.27	5.00	48.27	
	6-3	3	3x2.17	5.60	42.92	
	3N-0	4	3x1.43	8.25	63.59	
15-12N	9-6N	1	10x3.01	5.00	43.12	
	6-3	2	10x1.41	5.60	44.38	
	3-0	3	3x2.61	8.26	65.74	
12-9N	6-3N	1	30x2.28	5.62	58.81	
	3N-0	2	10x2.42	8.26	34.04	
9-6N	3N-0	1	30x1.73	8.27	56.55	
0-3S	12-9N	3	3x 1.52	4.75	53.66	
	9-6N	2	3x2.43	5.00	36.15	
	6-3N	1	10x2.68	5.60	66.27	
3-6S	12-9N	4	1x2.95	4.54	35.45	
	9-6	3	3x1.31	4.99	54.29	
	6-3N	2	10x1.11	5.60	32.58	
6-9S	3N-0	1	30x1.19	8.20	27.06	
	12-9N	5	1x2.16	4.72	73.49	
	9-6	4	1x2.67	4.95	44.54	
9-12S	6-3N	3	3x2.05	5.60	44.84	
	3N-0	2	10x1.43	8.20	24.62	
	12-9N	6	1x1.28	4.71	90.57	
12-15S	9-6	4	1x2.67	4.95	61.00	
	6-3	3	3x2.05	5.60	62.10	
	3N-0	2	10x1.43	8.20	39.45	
	12-9N	6	1x1.28	4.71	86.06	
15-18S	9-6	5	1x1.48	4.96	59.06	
	6-3	4	3x1.11	5.60	67.25	
	3N-0	3	3x2.24	8.18	46.46	
	12-9N	7	0.3x3.36	4.70	101.87	
18-21S	9-6	6	1x1.10	4.95	70.37	
	6-3	5	1x2.55	5.57	90.64	
	3N-0	4	3x1.53	8.18	63.46	
	12-9N	7	0.3x2.39	4.94	68.94	
21-24S	9-6N	7	0.3x2.39	4.94	55.51	
	6-3	6	1x1.68	5.57	72.34	
	3N-0	5	1x2.99	8.18	99.80	
18-21S	6-3N	7	0.3x3.51	5.57	67.75	
	3N-0	6	1x1.75	8.18	51.52	
21-24S	3N-0	7	0.3x2.95	8.16		

AREA: LA MERCED - LLALO

PROYECTO GEOTERMICO

PERFIL: LM-3

"VALLE DE LOS CHILLOS"

DATOS TOMADOS POR:

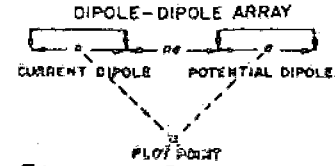
FECHA: 25.03.15

PAGINA: 1

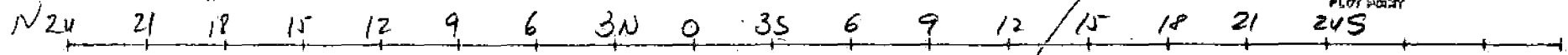
CONVENIO INE - D.G.G.M.

Rx	Tx	n	V	I	fo	observaciones
24-21N	0-35	7	0.3x280/300	6.13		
21-18N	0-35	6	0.3x3.0	6.13		
	3-65	7	0.3x2.65	7.29		
18-15N	0-35	5	1x1.19	6.14		
	3-65	6	0.3x3.21	7.28	21.78 ***	
	6-95	7	0.3x1.96	5.07	46.49 ***	
15-12N	0-35	4	1x2.31	6.08	51.68 ***	
	3-6	5	1x1.80	7.29	38.36 ***	
	6-9	6	0.3x3.50	5.08	41.89 ***	
	9-125	7	0.3x2.35	5.34	55.09 ***	
6-9S	0-35	1	10x2.29	4.85	42.97 ***	
9-12S	0-35	2	3x2.26	4.84	48.87 ***	
	3-65	1	10x2.92	7.28	65.45 ***	
12-15S	0-35	3	3x1.79	6.05	52.71 ***	
	3-6	2	10x1.27	7.29	26.70 ***	
	6-95	1	30x1.33	5.10	31.69 ***	
15-18S	0-35	4	1x2.58	6.02	22.68 ***	
	3-6	3	3x1.76	7.29	38.15 ***	
	6-9	2	10x1.14	5.10	39.41 ***	
	9-125	1	30x1.24	4.21	44.24 ***	
18-21S	0-35	5	1x1.67	6.06	48.89 ***	
	3-6	4	1x3.41	7.30	48.96 ***	
	6-9	3	3x1.99	5.11	58.56 ***	
	9-12	2	10x1.25	4.23	42.97 ***	
	12-15S	1	30x2.02	3.34	54.54 ***	
21-24S	0-35	6	0.3x2.67	6.04	52.83 ***	
	3-6	5	1x1.47	7.31	65.48 ***	
	6-9	4	1x2.52	5.12	66.84 ***	
	9-12	3	3x1.41	4.24	102.66 ***	
	12-15S	2	10x1.65	3.38	42.02 ***	
					35.88 ***	
					55.87 ***	
					56.42 ***	
					118.42 ***	

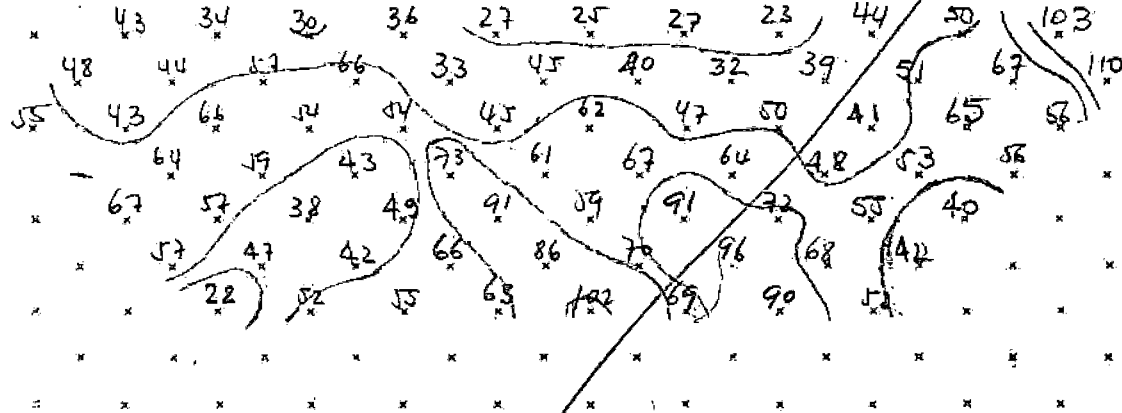
DIPOLE - DIPOLE ARRAY APPARENT RESISTIVITY



$a = 1.2 \text{ km}$



$\rho_a (\Omega m)$



AREA. LA MERCED - ILALO

PERFIL: LM-5

DATOS TOMADOS POR:

FECHA: 08-03-85

PAGINA: 1

PROYECTO GEOTERMICO
VALLE DE LOS CHILLO
CAMPAÑA DE GEOFISI
CONVENIO INE - D.G.G

Rx	Tx	n	V	I	Pa	Observaciones
24-21S	3N-0	7	0.3x2.84	5.26		
	0-3S	6	1x1.11	5.60		
	3-6S	5	1x3.11	6.57	76.54	***
	6-9S	4	3x1.68	5.93	62.77	***
	9-12S	3	3x2.83	4.37	93.69	***
21-18S	3N-0	6	~	5.22	36.12	***
	0-3S	5	1x1.27	5.55	109.86	***
	3-6	4	3x1.13	6.52	76.54	***
	6-9	3	3x2.20	5.90	45.29	***
	9-12S	2	10x1.28	4.35	58.80	***
18-15S	3N-0	5	1x2.04	5.27	63.26	***
	0-3S	4	3x1.21	5.56	66.56	***
	3-6	3	10x1.20	6.43	76.51	***
	6-9	2	10x2.96	6.92	73.84	***
	9-12S	1	30x2.77	4.37	105.53	***
15-12S	3N-0	4	3x1.19	5.28	96.75	***
	0-3	3	3x2.48	5.60	107.53	***
	3-6	2	10x2.97	6.54	76.47	***
	6-9	1	30x3.14	5.94	75.13	***
12-9S	3N-0	3	3x2.73	5.27	102.72	***
	0-3S	2	10x1.98	5.64	85.68	***
	3-6S	1	30x3.49	6.54	87.88	***
9-6S	3N-0	2	10x2.16	5.25	79.41	***
	0-3S	1	30x2.23	5.61	90.53	***
6-3S	3N-0	1	30x3.10	5.27	93.06	***
					67.44	***
					99.79	***
					74.00	***
					67.50	***
27-24N	3N-0	7			41.12	***
24-21N	3N-0	6	1x1.36	5.82	38.98	***
	0-3S	7	3x3.24	6.84	48.47	***
21-18N	3N-0	5	1x1.07	5.15		
	0-3S	6	3x2.24	5.46		
	3-6S	7	3x2.17	6.38		

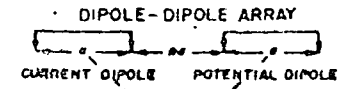
LA MERCED ILLALO
 LM-5
 FECHA: 07-03-85
 PAGINA: 2

PROYECTO GEOTERMICO
 VALLE DE LOS CHILLES
 CAMPAÑA DE GEOFISICA
 CONVENIO INE - D.G.C.

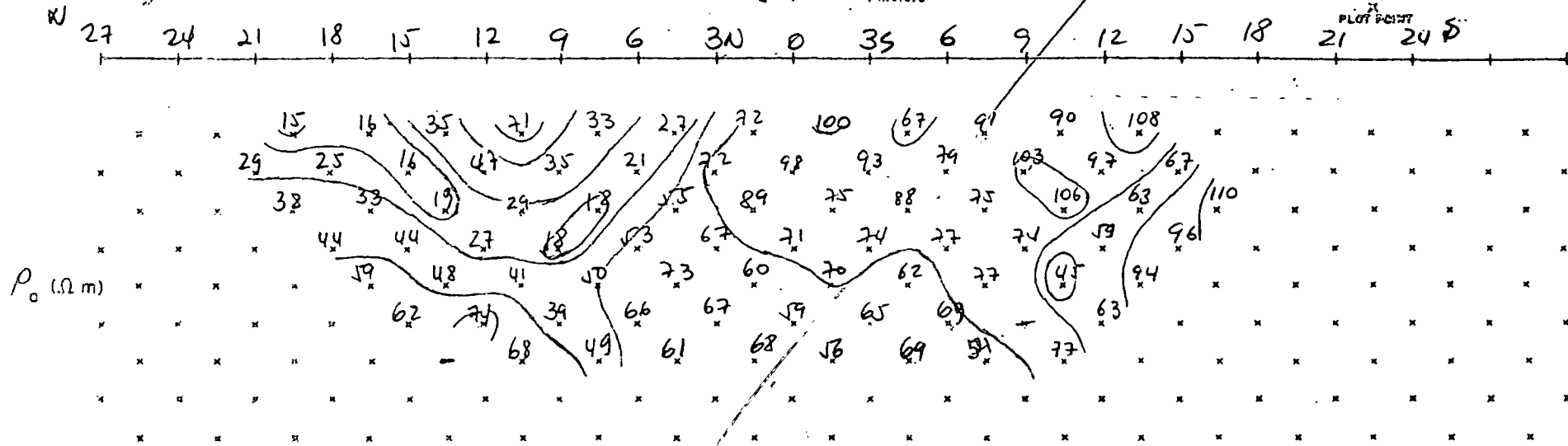
Rx	Tx	n	V	I	Po	Observaciones
27-24N	18-15N	2	3x2.27	5.27		
	15-12N	3	3x1.35	6.00		
	12-9N	4	3x1.16	9.03		
	9-6N	5	1x2.02	6.78		
	6-3N	6	1x1.02	5.20		
24-21N	18-15	1	10x1.45	5.36	29.22	***
	15-12	2	3x2.20	6.03	38.17	***
	12-9	3	3x1.70	8.80	43.59	***
	9-6	4	1x2.60	6.75	38.97	***
	6-3	5	1x1.24	5.16	62.12	***
21-18N	15-12	1	10x1.72	6.02	15.30	***
	12-9	2	3x2.06	8.80	24.76	***
	9-6	3	1x2.32	6.75	32.77	***
	6-3	4	1x1.22	5.12	43.56	***
21-18S	3-6N	7	0.3x1.92	5.05	47.56	***
					16.16	***
18-15S	3-6	6	1x1.10	5.07	15.89	***
	6-9	7	0.3x2.26	6.75	19.44	***
15-12S	3-6	5	1x1.59	5.07	26.95	***
	6-9	6	1x1.36	6.66	54.18	***
	9-12	7	0.3x3.26	8.33	68.71	***
12-9S	3-6	4	1x3.33	5.08	68.82	***
	6-9	5	1x2.37	6.70	62.07	***
	9-12	6	1x1.57	8.45	64.67	***
	12-15	7	0.3x3.14	6.60	55.77	***
9-6S	3-6N	3	3x2.26	5.08	74.14	***
	6-9	4	3x1.40	6.74	70.01	***
	9-12	5	1x2.57	8.45	58.84	***
	12-15	6	1x1.42	6.70	67.80	***
	15-18	7	0.3x2.23	5.18	75.47	***
6-3S	3-6	2	10x2.24	5.17	70.48	***
	6-9	3	10x1.08	6.80	60.20	***
	9-12	4	3x1.67	8.45	67.12	***
	12-15	5	1x2.48	6.75	61.35	***
	15-18	6	0.3x3.60	5.20	98.02	***
3S-0	3-6	1	30x2.18	5.13	89.81	***
	6-9	2	10x2.15	6.75	67.06	***
	9-12	3	3x2.73	8.45	72.72	***
	12-15	4	1x3.18	6.80	65.77	***
	15-18	5	1x1.34	5.26	72.09	***
0-3N	6-9	1	30x1.08	6.75	72.05	***
	9-12	2	3x2.67	8.70	54.81	***
	12-15	3	1x2.15	6.75	52.89	***
	15-18	4	0.3x2.80	5.20	50.42	***
3-6S	9-12	1	30x1.70	8.70	27.14	***
	12-15	2	3x3.52	6.80	20.85	***
	15-18	3	1x2.65	5.16	18.01	***
6-9S	12-15	1	30x2.86	6.80	18.27	***
	15-18	2	3x3.54	5.16	35.15	***

UNIVERSITY OF JAL RESEARCH INSTITUTE

DIPOLE - DIPOLE ARRAY APPARENT RESISTIVITY



$a = 300$ meters



AREA: LA MERCED - IZALO

PROYECTO GEOTERMICO

PERFIL: LM-6

"VALLE DE LOS CHILLOS"

DATOS TOMADOS POR:

FECHA: 05-02-28

CONVENIO INE - D.G.G.M.

PAGINA: 1

Rx	Tx	n	V	I	ρ _o	observaciones
33-30W	21-18W	3	3x1.92	5.11		
	18-15	4	3x1.15	6.29	n-6	
	15-12	5	1x2.31	7.42	0.02-28	
	12-9	6	1x1.51	6.30		
	9-6W	7	0.3x1.83	4.72	63.74 ***	
30-27W	21-18W	2	10x1.07	5.15	62.63 ***	
	18-15W	3	3x2.14	6.30	61.62 ***	
	15-12	4	3x1.32	7.40	73.96 ***	
	12-9	5	1x2.58	6.30	55.25 ***	
	9-6W	6	0.3x3.29	4.70	47.30 ***	
27-24W	21-18W	1	10x3.34	5.12	57.65 ***	
	18-15	2	10x1.25	6.27	68.52 ***	
	15-12	3	3x2.19	7.40	88.12 ***	
	12-9	4	3x1.28	6.30	66.56 ***	
	9-6	5	1x1.33	4.72	36.83 ***	
24-21W	18-15W	1	10x3.49	6.31	45.09 ***	
	15-12	2	10x1.57	7.40	58.21 ***	
	12-9	3	3x2.92	6.30	58.94 ***	
	9-6W	4	1x3.04	4.70	55.77 ***	
21-18W	15-12W	1	30x2.74	7.40	31.22 ***	
	12-9	2	30x1.01	5.50	47.59 ***	
	9-6W	3	3x3.25	4.70	78.53 ***	
18-15W	12-9W	1	10x3.02	6.40	75.15 ***	
	9-6	2	3x2.34	4.21	62.21 ***	
15-12W	9-6	1	10x1.61	4.21	124.61 ***	
15-12E	15-12W	8	0.3x1.89	7.48	117.31 ***	
	12-9	7	0.3x2.48	6.40	26.68 ***	
	9-6W	6	0.3x2.19	4.77	37.72 ***	
					21.63 ***	
					51.44 ***	
					55.22 ***	
					43.62 ***	

AREA: LA MERCED-LLALO

PROYECTO GEOTERMICO

PERFIL: LM-6

DATOS TOMADOS POR:

"VALLE DE LOS CHILLOS"

FECHA: 83-03.04

PAGINA: 2/

CONVENIO INE - D.G.G.M.

Rx	Tx	n	V	I	ρ _o	observaciones
30-27W	6-3W	7	0.3x1.40	5.25		
27-24W	6-3W	6	0.3x2.53	5.27		
	3W-0	7	0.3x1.42	5.68		
24-21W	6-3W	5	0.3x2.11	5.23	38.00	***
	3W-0	6	0.3x1.32	5.76	45.51	***
	0-3E	7	0.3x1.12	7.36	35.63	***
21-18W	6-3W	4	3x1.02	5.23	23.95	***
	3W-0	5	1x1.67	5.76	21.77	***
	0-3E	6	1x1.45	7.37	21.55	***
	3-6E	7	1x1.17	8.27	66.17	***
18-15W	6-3W	3	3x2.31	5.15	57.38	***
	3W-0	4	3x1.09	5.60	62.30	***
	0-3E	5	1x2.64	7.30	67.28	***
	3-6E	6	1x2.14	8.25	76.09	***
	6-9E	7	0.3x3.12	5.90	66.04	***
15-12W	6-3W	2	10x1.11	5.15	71.56	***
	3W-0	3	3x1.61	5.71	92.14	***
	0-3E	4	3x1.10	7.32	75.36	***
	3-6E	5	1x2.60	8.25	48.75	***
	6-9E	6	1x1.04	5.92	47.83	***
12-9W	6-3W	1	10x2.28	5.16	56.99	***
	3W-0	2	3x2.60	5.64	62.37	***
	0-3E	3	3x1.66	7.30	55.63	***
	3-6	4	1x3.64	8.23	24.99	***
	6-9E	5	1x1.43	5.91	31.28	***
9-6W	3W-0	1	10x2.19	5.36	38.58	***
	0-3E	2	3x3.30	7.33	50.82	***
	3-6	3	3x2.02	8.25	47.83	***
	6-9E	4	1x2.12	5.92	23.18	***
6-3W	0-3E	1	10x2.81	7.29	30.55	***
	3-6	2	10x1.15	8.25	41.54	***
	6-9E	3	3x1.12	5.91	40.50	***
3W-0	3-6E	1	30x1.07	8.20	21.80	***
	6-9E	2	3x2.11	5.89	31.53	***
0-3E	6-9E	1	10x1.84	5.87	32.15	***
24-21E	6-9E	4	1x1.27	5.90	22.14	***
	3-6	5	1x1.06	8.12	24.31	***
	0-3E	6	0.3x1.91	7.30	17.73	***
	3W-0	7	0.3x2.00/300	5.65	24.34	***
					25.84	***
					24.86	***
					18.50	***

AREA: LAMORCES-ILALO

PROYECTO GEOTERMICO

PERFIL: LM-6

"VALLE DE LOS CHILLOS"

DATOS TOMADOS POR:

FECHA: 85-03-04

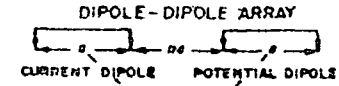
PAGINA: 3

CONVENIO INE - D.G.G.M.

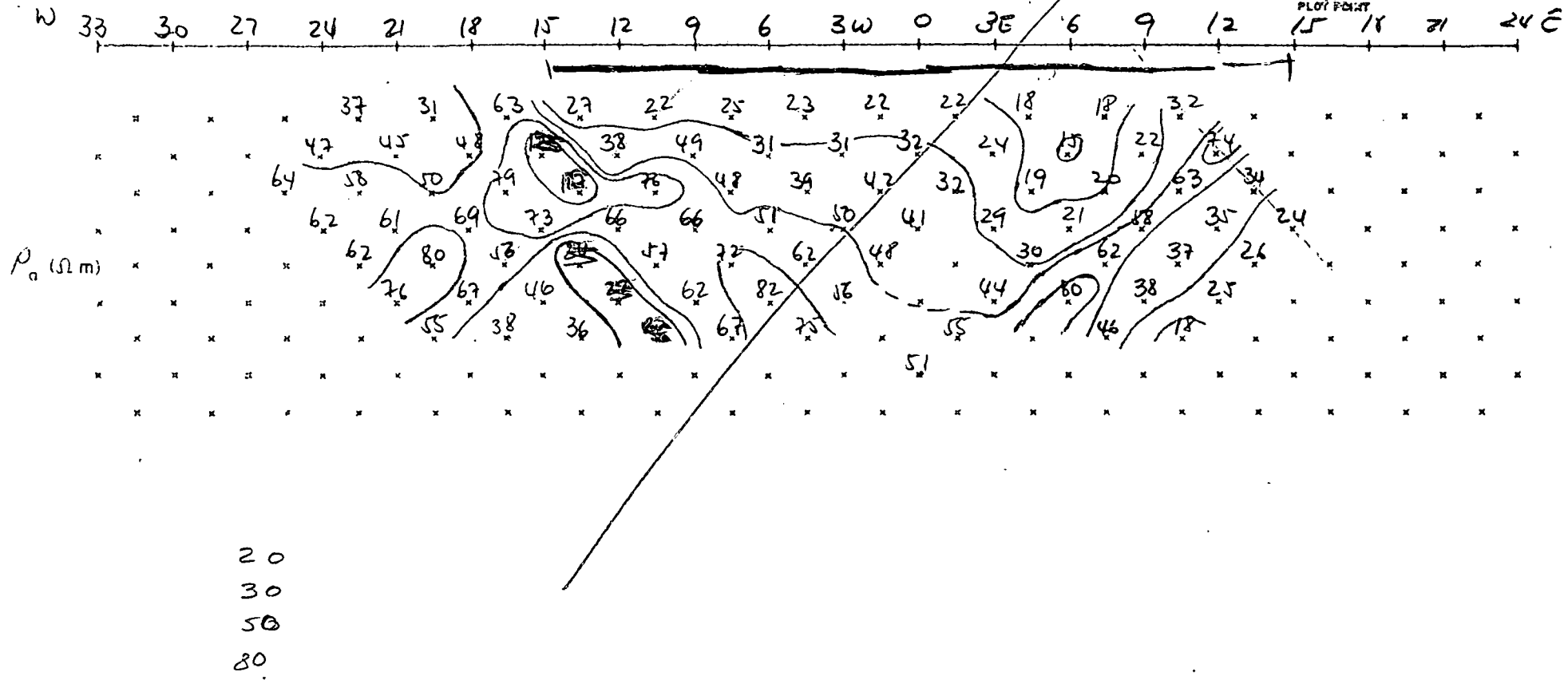
Rx	Tx	n	v	I	Pa		observaciones
21-18E	6-9E	3	3x1.18	5.91			
	3-6E	4	1x2.54	8.20			
	0-3E	5	1x1.38	7.33	33.87	***	
	3W-0	6	0.3x2.26	5.70	35.63	***	
	6-3W	7	0.3x1.67	5.12	37.24	***	
18-15E	6-9E	2	10x2.10	5.95	37.57	***	
	3-6	3	3x3.08	8.27	45.48	***	
	0-3E	4	3x1.27	7.38	79.83	***	
	3W-0	5	1x1.82	5.79	63.18	***	
	6-3W	6	1x1.30	5.17	58.39	***	
15-12E	6-9E	1	30x1.12	5.96	62.21	***	
	3-6	2	3x2.74	8.27	79.63	***	
	0-3E	3	1x2.61	7.42	31.68	***	
	3W-0	4	1x1.07	5.72	22.48	***	
	6-3W	5	0.3x2.64	5.15	19.94	***	
12-9E	3-6E	1	10x2.63	8.26	21.16	***	
	6-3E	2	3x1.64	7.41	30.44	***	
	3W-0	3	1x1.92	5.74	18.61	***	
	6-3W	4	1x1.33	5.16	18.92	***	

3000

DIPOLE - DIPOLE ARRAY
APPARENT RESISTIVITY



$a =$ meters



1M-6

TRANSMITTER RECEIVER

Rx	Tx	n	V	I	ρ_a	Observaciones
30-27W	21-18W	2	10x1.18	4.93		
	18-15	3	3x2.04	6.55		
	15-12	4	1x2.47	5.70		
	12-9	5	0.3x200/300	5.20		
	9-6W	6	0.3x180/300	4.64		
	27-24W	21-18W	1	30x1.92	4.99	54.14 ***
27-24W	18-15	2	10x1.85	6.54	52.84 ***	
	15-12	3	3x1.77	5.65	49.01 ***	
	12-9	4	1x2.04	5.25	7.61 ***	
	9-6	4	1x2.04	5.25	13.28 ***	
		5	0.3x3.50	4.68	55.27 ***	
24-21W	18-15	1	30x1.11	6.55	53.58 ***	
24-21W	15-12	2	3x2.10	5.72	53.15 ***	
	12-9	3	1x1.82	5.25	43.95 ***	
	9-6	4	-	4.58	44.41 ***	
		4	-	4.58	28.75 ***	BALANCEO DE AGUJA.
15-12W	21-18	1	30x1.32	4.47	24.91 ***	
12-9W	21-18	2	3x3.08	4.48	19.60 ***	
	18-15	1	30x2.01	6.59	50.16 ***	
9-6W	21-18	3	3x1.18	4.50	46.65 ***	
	18-15	2	10x1.58	6.61	51.74 ***	
	15-12	1	30x2.39	5.35	44.48 ***	
6-3W	21-18	4	1x1.58	4.50	54.07 ***	
	18-15	3	3x1.86	6.60	75.72 ***	
		2	10x1.52	5.80	39.71 ***	
	12-9	1	30x2.10	5.35	47.81 ***	
3-0W	21-18	5	0.3x2.77	4.42	59.28 ***	
	18-15	4	1x2.51	6.54	66.55 ***	
		4	1x2.51	6.54	37.21 ***	
	15-12	3	3x1.61	5.80	43.41 ***	
	12-9	2	10x1.33	5.40	47.09 ***	
9-6	1	30x1.40	4.55	55.71 ***		
0-3E	21-18	6	0.3x1.90	4.40	52.20 ***	
	18-15	5	1x1.55	6.54	41.02 ***	
		5	1x1.55	6.54	46.91 ***	
	15-12	4	1x2.67	6.06	49.83 ***	
	12-9	3	3x1.68	5.40	52.70 ***	
		3	3x1.68	5.40	55.68 ***	
9-6	2	10x1.12	4.55	45.55 ***		
3-6 E	21-18	7	0.3x1.41	4.41	52.70 ***	
	18-15	6	1x1.09	6.55	54.40 ***	
		6	1x1.09	6.55	55.39 ***	
	15-12	5	1x1.66	6.04	57.53 ***	
	12-9	4	1x2.62	5.35	27.42 ***	
9-6	3	3x1.56	4.60	36.20 ***		
6-9E	18-15	7	0.3x1.27	6.60	36.64 ***	
	18-15	7	0.3x1.27	6.60	37.34 ***	
		7	0.3x1.27	6.60	59.95 ***	
	15-12	6	0.3x2.21	5.80	59.29 ***	
	12-9	5	0.3x3.24	5.25	61.72 ***	
9-6	4	1x1.55	4.62	34.42 ***		
9-12E	15-12	7	0.3x2.44	5.80	36.37 ***	
	12-9	6	0.3x3.37	5.40		
	9-6	5	1x1.45	4.65		
12-15E	12-9	7	0.3x1.28	5.30		

AREA: LA MERCER - ILLALO

PERFIL: LM-7

PROYECTO GEOTERMAL

DATOS TOMADOS POR: M. BALSECA Y M. ALTAMIRANO

"VALLE DE LOS CHILL

FECHA: 12-03-85

CAMPAÑA DE GEOFIS

PAGINA: 2

CONVENIO INE-D.G.C

Rx	Tx	n	V	I	ρ _o	Observaciones
33-30E	9-6E	7	0.3x1.37	5.30		
30-27E	9-6E	6	0.3x3.47	5.28		
	6-3E	7	0.3x3.70	6.82		
27-24E	9-6E	5	1x1.13	5.24		
	6-3E	6	1x 1.12	6.78		
	3-0E	7	0.3x2.95	8.83	36.84	***
24-21E	9-6E	4	1x2.81	5.20	62.43	***
					77.31	***
	6-3E	5	1x2.61	6.77	42.68	***
	3-0E	6	1x2.00	8.78	53.31	***
21-18E	0-3W	7	0.3x2.97	5.92	47.61	***
	9-6E	3	3x1.00	5.22	61.12	***
	6-3E	4	1x2.32	6.79	76.30	***
	3-0E	5	1x1.56	8.77	72.13	***
					71.49	***
18-15E	0-3W	6	0.3x2.21	5.97	32.50	***
	3-6W	7	0.3x1.16	4.82	38.64	***
	9-6E	2	10x1.67	5.20	35.21	***
	6-3E	3	3x3.18	6.76	35.17	***
15-12E	3-0E	4	3x1.96	8.64	34.30	***
	0-3W	5		5.54	72.64	***
	3-6W	6	1x1.30	4.72	76.80	***
					76.97	***
12-9E	9-6E	1	30x1.43	5.18		
	6-3E	2	10x1.30	6.72	67.22	***
	3-0E	3	3x2.11	8.68	46.83	***
	0-3W	4	1x2.27	5.86	43.76	***
	3-6W	5	0.3x3.50	4.66	41.24	***
9-6E	6-3E	1	30x2.60	6.78	43.81	***
	3-0E	2	10x2.40	8.73	44.60	***
	0-3W	3	3x2.44	5.92	65.06	***
	3-6W	4	3x1.00	4.79	62.18	***
6-3E	0-3W	1	30x2.79	5.93	69.92	***
	3-6W	2	10x1.50	4.80	70.83	***
3-0E	3-6W	1	30x1.45	4.80	79.82	***
					70.69	***
					51.25	***
					12.16	***
30-27W	6-3W	7			9.83	***
27-24W	6-3W	6	0.3x180/300	4.71	33.56	***
	3-0W	7	0.3x120/300	5.80	29.47	***
24-21W					32.86	***
	6-3W	5	0.3x2.68	4.77	34.96	***
	3-0W	6	0.3x1.83	5.90	38.64	***
	0-3E	7	0.3x1.53	5.47	37.54	***
9-6 E	3-0E	1	30x1.80	8.75		
	0-3W	2	3x3.36	5.90		
	3-6W	3	3x1.06	4.79		

AREA: LA MERCED- ILLALO

PERFIL: LM-7

DATOS TOMADOS POR:

FECHA: 13-03-85

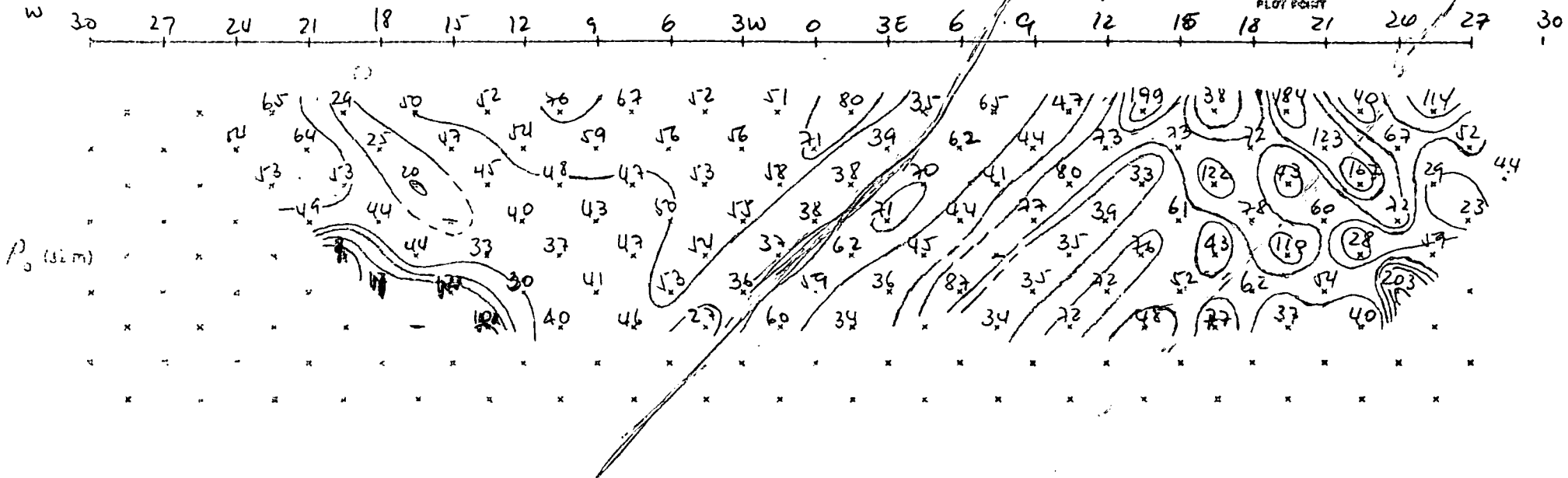
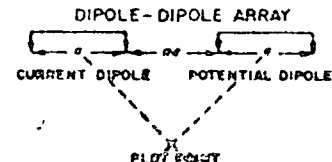
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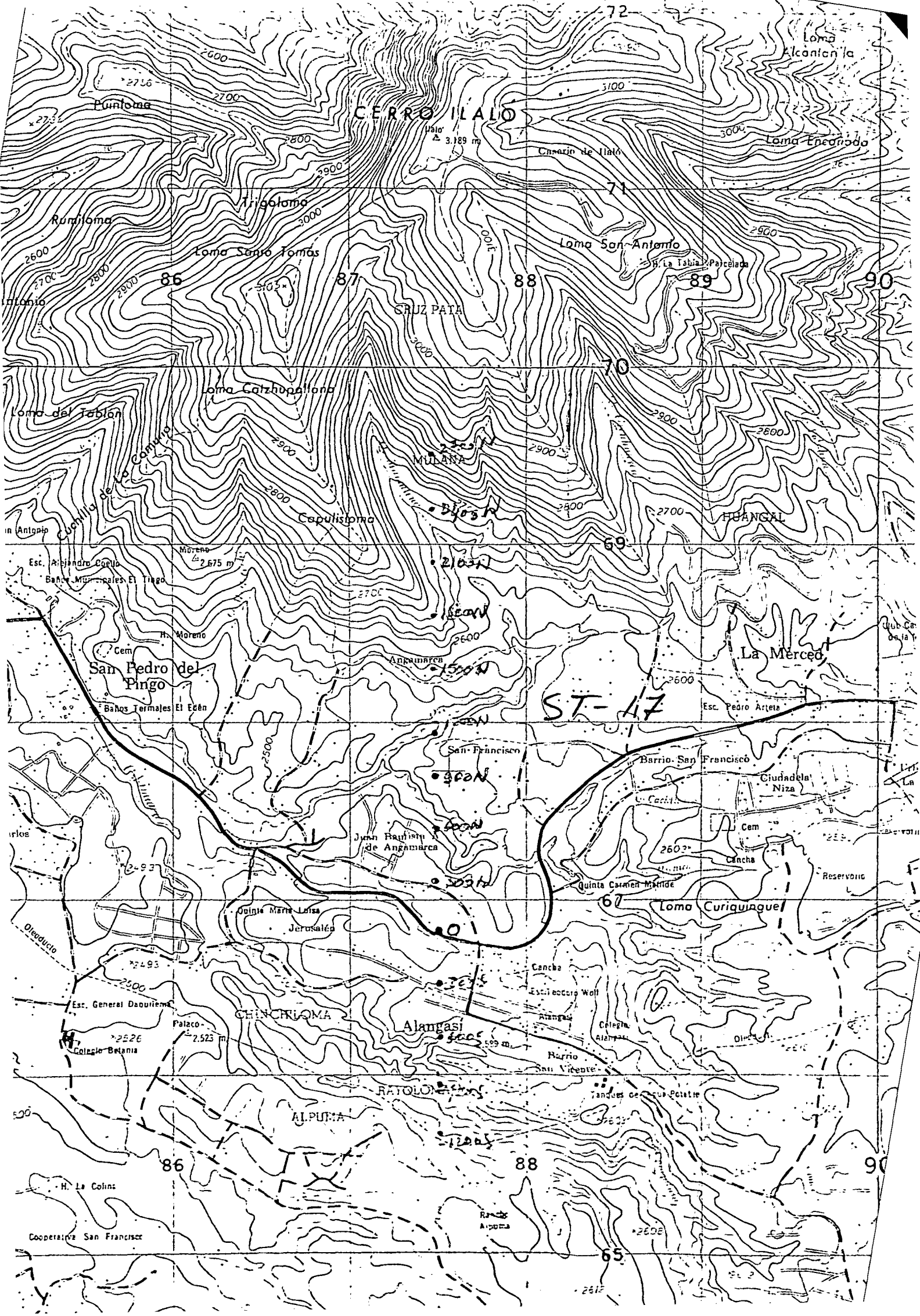
PROYECTO GEOTERMICO
"VALLE DE LOS CHILLOS"
CAMPAÑA DE GEOFISICA
CONVENIO INE - D.G.G.

Rx	Tx	n	V	I	ρ _o	Observaciones
36-33E	9-12 E	7	0.3x1.65	5.86		
	12-15	6	0.3x1.50	7.03		
	15-18	5	1x1.77	5.97		
	18-21	4	1x1.08	5.39		
	21-24E	3	3x1.23	4.80		
					40.12 ***	
33-30E	9-12 E	6	0.3x3.32	5.89	202.71 ***	
	12-15	5	0.3x3.35	7.04	58.68 ***	
	15-18	4	3x1.27	5.98	22.66 ***	
	18-21	3	1x2.67	5.42	43.47 ***	
	21-24 E	2	10x1.11	4.82	57.55 ***	
						28.25 ***
					72.86 ***	
					27.86 ***	
30-27E	9-12 E	5	1x3.30	5.92	52.89 ***	
	12-15	4	3x1.25	7.12	110.53 ***	
	15-18	3	10x1.78	6.02	59.57 ***	
	18-21	2	10x1.62	5.44	167.20 ***	
	21-24 E	1	30x3.23	4.81	67.36 ***	
					113.32 ***	
					77.77 ***	
27-14E	9-12	4	3x1.35	5.89	43.13 ***	
	12-15	3	3x1.81	7.12	122.52 ***	
	15-18	2	10x3.25	6.00	40.37 ***	
	18-21 E	1	10x3.07	4.30	121.52 ***	
					71.60 ***	
					183.78 ***	
24-21	9-12 E	3	10x1.27	5.91	73.12 ***	
	12-15	2	10x2.26	7.14	38.19 ***	
	15-18	1	100x1.95	6.00	196.80 ***	
21-18	9-12 E	2	10x1.93	5.97		
	12-15	1	30 x1.63	7.24		
18-15	9-12 E	1	100x1.80	5.12		

DIPOLE - DIPOLE ARRAY APPARENT RESISTIVITY

$a = 300$
meters





CERRO ILALO

Uslo 3,189 m

Puntoma

Loma Alcantarilla

Loma Encarnada

Casario de Ilalo

Trigoloma

Loma San Antonio

Rumiloma

Loma Sanro Tomas

H. La Tabla Parcelada

CRUZ PATA

Loma Catzupallona

MULANA

Capulistoma

2,637 m

San Pedro del Pingo

La Merced

ST-17

San Francisco

Barrio San Francisco

Ciudadela Niza

Juan Bautista de Angamarca

Cem

Cancha

Quinta Carmen Melinde

Reservorio

Quinta Maria Luisa

Jerusalén

Loma Curiquingue

CHINCHILOMA

Alangasi

589 m

Cancha

Escuela Wolf

Atangasi

Colegio Alangasi

Barrio San Vicente

RATOLON

Tanques de Agua Potable

ALPUTA

1,205 m

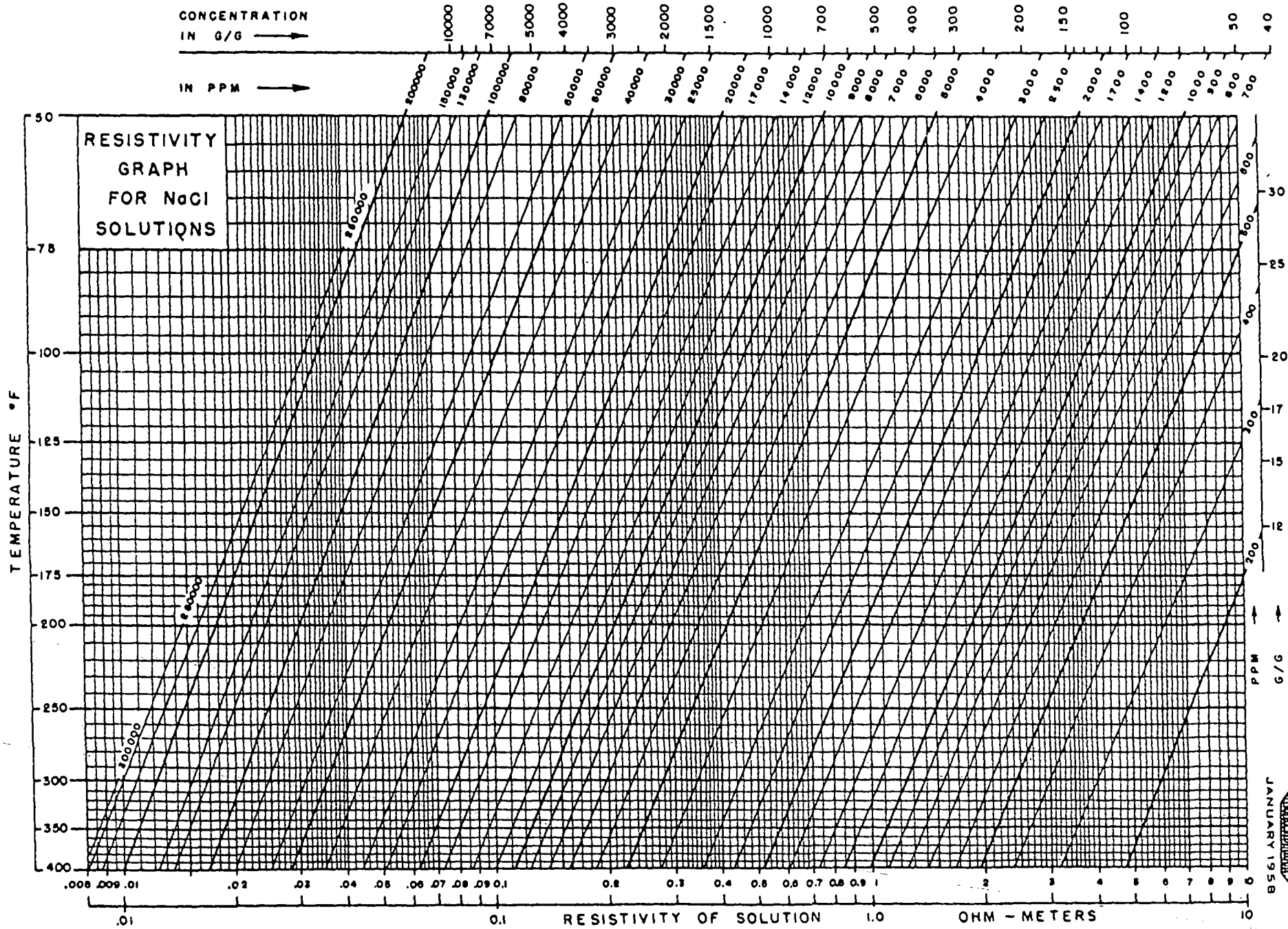
H. La Colina

Cooperativa San Francisco

Rancho Alputa

2,606 m

Figure 2



JANUARY 1958



**INSTITUTO
NACIONAL
DE ENERGIA**

841093

OFICIO N°
Quito, a

INE

14 SET, 1984


Señor
Philip M. Wright
EARTH SCIENCE LABORATORY
UNIVERSITY OF UTAH RESEARCH INSTITUTE
420 CHIPETA WAY, SUITE 120
SALT LAKE CITY, UTAH 84108
(801) 5243422.
U.S.A.

De mis consideraciones:

Por intermedio del presente, me es grato enviar a Ud. una copia del informe de los resultados obtenidos en el perfil ST-3, conforme a lo acordado en el convenio suscrito con la Universidad de UTAH para la respectiva interpretación.

Mucho agradecería a Ud. se sirva emitir sus comentarios y recomendaciones con respecto a estos datos (perfil ST-3).

Atentamente,


Ing. Franklin Carrasco
DIRECTOR EJECUTIVO ENCARGADO.

Adj. Copia de memorandum.

MB/ab



**INSTITUTO
NACIONAL
DE ENERGIA**

OFICIO N° 850503 INE

Quito, a 17 MAR 67

Doctor
Philip Mike Wright
Earth Science Laboratory
University of UTAH Research Institute.
Presente.

De mi consideración:

Adjunto al presente se servirá encontrar los resultados de campo de los 3 perfiles adicionales que se realizaron en el área Sangolqui- El Tingo. Los datos corresponden a los perfiles ST-15, ST-16 con una separación de electrodos $a=150$ mts; y el perfil ST-17 con una separación de electrodos $a=300$ mts.

Mucho agradeceré se sirva emitir sus comentarios y recomendaciones a los mismos.

Atentamente,

Carlos Quevedo T.Ph.D
DIRECTOR EJECUTIVO
INSTITUTO NACIONAL DE ENERGIA.

adj: Datos de campo
Pseudo Sección
copia de hoja de topografía.

EARTH SCIENCE LABORATORY
UNIVERSITY of UTAH RESEARCH INSTITUTE

DIPOLE - DIPOLE ARRAY
APPARENT RESISTIVITY

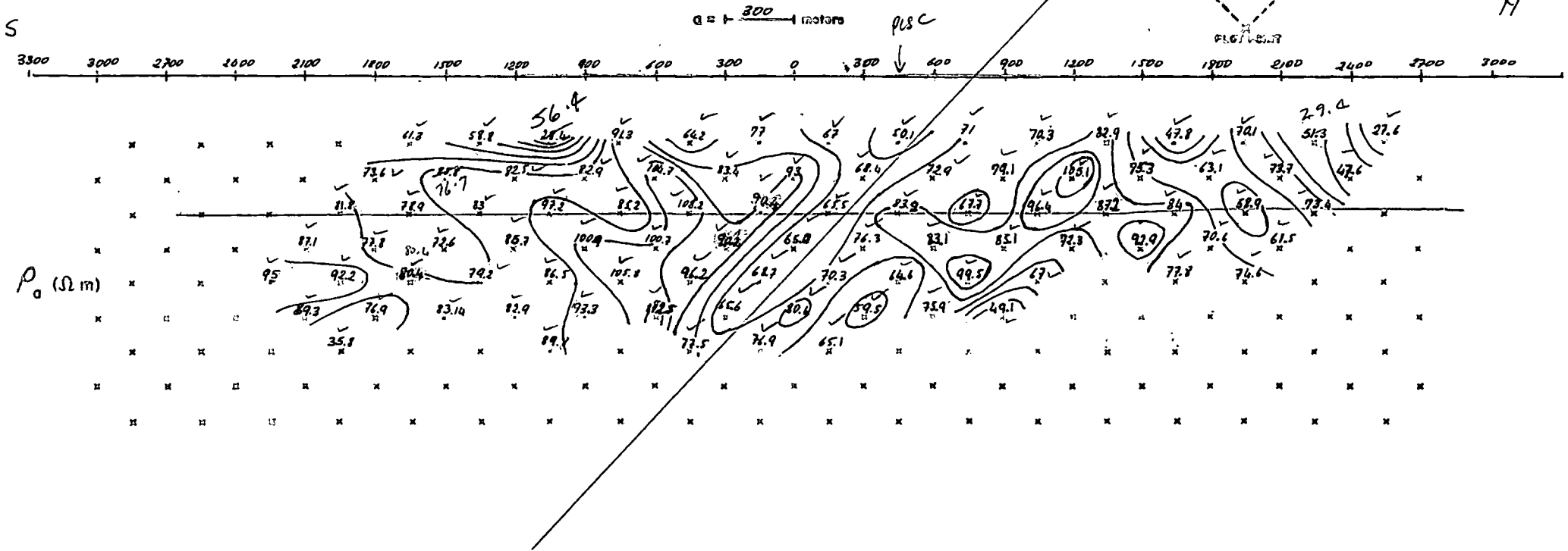
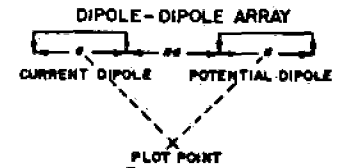
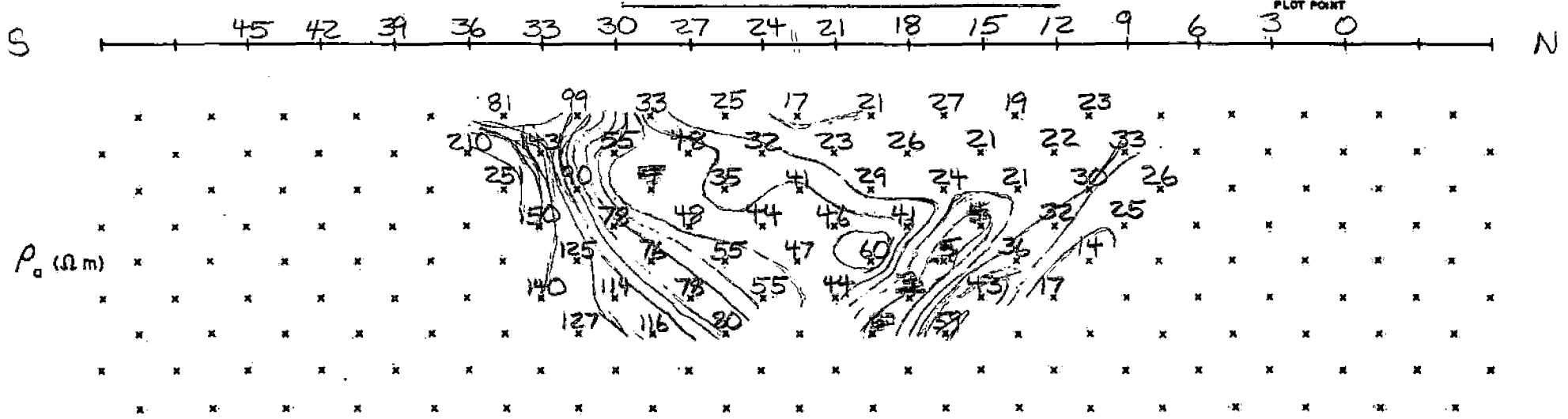


Figure G.1.2

DIPOLE - DIPOLE ARRAY
 APPARENT RESISTIVITY



$a = 300$ meters



AREA: SAN GONQUI - EL TINGO

PERFIL: ST-16

DATOS TOMADOS POR:

FECHA: 05.04.02

PAGINA: 1 /

"VALLE DE LOS CHILLOS"

CONVENIO INE - D.G.G.M.

Rx	Tx	n	V	I	ρ_0	observaciones	
0-150	60-75	3	1x2.65	1.78	42.09		
	75-90	4	0.3x260/300	1.84	7.99		
	90-105	5	0.3x190/300	2.34	8.04		
	105-120	6	0.3x160/300	2.87	8.83		
	120-135	7	0.3x140/300	4.15	8.01		
	150-300	60-75	2	3x1.66	1.71	32.94	
		75-90	3	1x2.75	1.85	42.03	
90-105		4	1x1.84	2.34	44.47		
105-120		5	1x1.22	2.86	42.21		
120-135		6	1x1.56	4.15	59.52		
135-150		7	0.3x120/300	3.58	7.96		
300-450		60-75	1	10x1.07	1.71	17.69	
	75-90	2	3x1.36	1.85	24.94		
	90-105	3	1x2.58	2.34	31.17		
	105-120	4	1x1.65	2.32	40.22		
	120-135	5	1x2.00	4.12	48.04		
	135-150	6	1x1.24	3.58	55.15		
	150-165	7	0.3x260/300	2.66	23.21		
450-600	75-90	1	3x3.50	1.85	16.05		
	90-105	2	3x1.37	2.31	20.12		
	105-120	3	1x2.78	2.85	27.58		
	120-135	4	1x1.76	4.17	23.87		
	135-150	5	1x1.56	3.54	43.61		
	150-165	6	0.3x311	3.74	39.50		
	165-180	7	0.3x120/300	1.30	21.92		
600-750	90-105	1	10x1.43	2.84	14.24		
	105-120	2	3x2.11	2.86	25.03		
	120-135	3	3x1.69	4.18	34.29		
	135-150	4	1x2.57	3.28	44.31		
	150-165	5	1x1.43	2.52	56.16		
	165-180	6	0.3x120/300	1.31	14.50		
	750-900	105-120	1	10x3.63	2.87	35.76	
120-135		2	10x1.08	4.18	29.22		
135-150		3	3x1.61	3.57	38.25		
150-165		4	1x2.63	2.76	53.89		
165-180		5	0.3x100/300	1.32	7.50		
900-1050	120-135	1	10x2.78	4.16	18.89		
	135-150	2	3x2.75	3.53	26.21		
	150-165	3	3x1.35	2.77	41.34		
	165-180	4	0.3x120/300	1.32	6.14		
1050-1200	135-150	1	10x2.78	3.58	21.96		
	150-165	2	3x2.88	2.77	35.28		
	165-180	3	1x1.83	1.32	39.20		
1200-1350	150-165	1	10x2.83	2.76	28.99		
	165-180	2	3x1.30	1.30	33.93		
1350-1500	165-180	1	10x1.64	1.30	35.67		

AREA SANGOLQUI - EL TINGO

PROYECTO GEOTERMICO

PERFIL: ST-16

DATOS TOMADOS POR:

"VALLE DE LOS CHILLOS"

FECHA: 25.04.02

PAGINA: 2/

CONVENIO INE - D.G.G.M.

Rx	Tx	n	V	I	ρ_0	observaciones
180°-1950	165-150	1	10x2.70	2.75	27.76	
	150-135	2	3x2.67	3.58	25.45	
	135-120	3	1x3.57	4.15	24.32	
	120-105	4	1x1.35	2.88	26.51	
	105-90	5	0.3x2.37	2.35	29.94	
	90-75	6	0.3x1.59	1.83	41.27	
	75-60	7	-	1.71	-	
195°-2100	180-165	1	3x3.70	1.30	24.14	
	165-150	2	3x1.93	2.75	23.81	
	150-135	3	1x2.66	3.58	21.01	
	135-120	4	1x1.35	4.18	18.26	
	120-105	5	0.3x1.92	2.86	19.93	
	105-90	6	0.3x ^{290/300}	2.31	19.88	
	90-75	7	0.3x ^{180/300}	1.80	23.75	
210°-2250	180-165	2	1x2.20	1.20	20.73	
	165-150	3	1x2.14	2.75	22.00	
	150-135	4	1x1.28	3.57	20.28	
	135-120	5	0.3x2.85	4.15	20.39	
	120-105	6	0.3x1.26	2.83	21.15	
	105-90	7	0.3x ^{200/300}	2.42	19.63	
225°-2400	180-165	3	1x1.21	1.31	26.12	
	165-150	4	1x1.72	2.78	34.99	
	150-135	5	0.3x3.53	3.62	28.95	
	135-120	6	0.3x2.38	4.20	26.92	
	120-105	7	0.3x1.12	2.85	28.00	
240°-2550	180-165	4	1x1.13	1.76	36.31	
	165-150	5	0.3x2.83	2.78	30.28	
	150-135	6	0.3x2.76	3.58	36.62	
	135-120	7	0.3x2.11	4.17	36.05	
255°-2700	180-165	5	0.3x1.60	1.31	36.26	
	165-150	6	0.3x2.68	2.78	45.79	
	150-135	7	0.3x1.98	3.58	39.41	
270°-2850	180-165	6	0.3x ^{200/300}	1.31	24.17	
	165-150	7	0.3x1.05	2.66	28.13	
285°-3000	180-165	7	0.3x ^{220/300}	1.31	39.89	

Rx	Tx	n	V	I	po	observaciones
210°-2250	180-195	1	10x1.73	1.29	37.92	
225°-2400	180-195	2	3x1.14	1.30	29.75	
	195-210	1	10x1.72	1.12	43.42	
240°-2550	180-195	3	1x1.28	1.31	27.63	
	195-210	2	1x3.02	1.12	30.50	
	210-225	1	10x3.26	1.95	47.27	
255°-2700	180-195	4	0.3x2.65	1.31	34.32	
	195-210	3	1x1.40	1.12	35.34	
	210-225	2	3x2.56	1.95	44.54	
270°-2850	225-240	1	30x1.27	1.54	69.95	
	180-195	5	0.3x1.42	1.32	31.94	
	195-210	4	0.3x1.73	1.13	25.97	
	210-225	3	1x2.85	1.96	41.11	
285°-3000	225-240	2	3x2.25	1.61	47.42	
	240-255	1	30x1.28	1.90	57.14	
	180-195	6	0.3x280/300	1.32	33.59	
	195-210	5	0.3x1.36	1.14	35.42	
	210-225	4	1x1.76	1.96	50.78	
	215-240	3	3x1.09	1.63	56.72	
300°-3150	240-255	2	10x1.19	1.93	69.73	
	255-270	1	30x2.39	2.74	73.99	
	180-195	7	0.3x240/300	1.32	43.18	
	195-210	6	0.3x280/300	1.14	38.89	
	210-225	5	0.3x3.19	1.96	48.32	
	225-240	4	1x1.64	1.66	55.87	
	240-255	3	3x1.49	1.98	63.83	
315°-3300	255-270	2	10x1.80	2.96	68.78	
	270-285	1	30x1.95	2.95	56.07	
	145-210	7	0.3x180/300	1.14	37.50	
	210-225	6	0.3x2.06	1.98	49.42	
	225-240	5	0.3x3.22	1.68	56.90	
	240-255	4	1x2.38	1.99	67.63	
	255-270	3	3x2.38	2.95	68.43	
	270-285	2	10x1.28	2.93	49.41	
330°-3450	285-300	1	30x2.11	3.16	56.64	
	210-225	7	0.3x1.55	1.93	57.22	
	225-240	6	0.3x2.61	1.68	73.80	
	240-255	5	1x1.70	2.00	84.12	
	255-270	4	3x1.59	2.94	91.75	
	270-285	3	3x2.30	2.99	66.36	
345°-3600	285-300	2	10x2.20	3.17	78.49	
	225-240	7	0.3x1.86	1.68	78.89	
	240-255	6	1x1.18	2.00	93.42	
	255-270	5	1x3.21	2.74	115.94	
	270-285	4	3x1.37	2.95	78.78	
285-300	3	10x1.11	3.17	99.00		

AREA: SAN SOLQUI - EL TINGO

PROYECTO GEOTERMICO

PERFIL: ST-17

"VALLE DE LOS CHILLOS"

DATOS TOMADOS POR:

FECHA: 8.04.03

PAGINA: 1 ✓

CONVENIO INE - D.G.G.M.

Rx	Tx	n	V	λ	pa	observaciones
27-24N	15-12N	3	1x2.2	4.06		
	12-9	4	1x1.02	4.98		
	9-6	5	0.3x2.41	5.24		
24-21N	6-3N	6	0.3x1.69	5.47		
	15-12N	2	3x2.16	4.05	30.78 ***	
	12-9	3	3x1.14	4.43	23.16 ***	
21-18N	9-6	4	1x1.43	5.30	27.31 ***	
	6-3N	5	0.3x3.12	5.51	25.35 ***	
	15-12N	1	30x1.92	4.05	36.19 ***	
18-15N	12-9	2	3x2.93	4.02	45.66 ***	
	9-6	3	3x1.53	5.34	30.51 ***	
	6-3N	4	1x2.72	5.51	33.62 ***	
15-12N	12-9N	1	10x2.62	4.05	80.42 ***	
	9-6	2	3x3.48	5.27	46.72 ***	
	6-3N	3	3x1.73	5.40	48.61 ***	
12-9N	9-6N	1	10x2.76	5.32	35.83 ***	
	6-3N	2	3x3.36	5.45	36.58 ***	
	6-3N	1	30x1.58	5.47	44.81 ***	
9-6	6-9N	1	30x1.72	5.37	53.36 ***	
	9-12	2	3x2.02	4.12	29.34 ***	
	12-15N	3	1x1.24	3.38	41.84 ***	
6-3	3-6N	1	30x2.13	5.23	49.06 ***	
	6-9	2	10x1.44	5.35	38.54 ***	
	9-12	3	3x1.06	4.13	33.27 ***	
3-6S	12-15N	4	0.3x1.34	3.90	27.75 ***	
	3-6N	2	10x1.20	5.41	59.09 ***	
	6-9	3	3x1.31	5.35	60.86 ***	
6-9S	9-12	4	0.3x2.40/300	4.08	42.54 ***	
	12-15N	5	0.3x1.20/300	3.84	12.09 ***	
	3-6S	3	3x3.27	5.46	50.17 ***	
9-12S	6-9	4	3x1.20	5.35	41.54 ***	
	9-12	5	0.3x2.20/300	4.08	6.63 ***	
	12-15N	6	0.3x1.20/300	3.83	6.15 ***	
9-12S	3-6S	4	3x1.51	5.40	101.60 ***	
	6-9	5	1x1.84	5.30	76.18 ***	
	9-12	6	0.3x1.40/300	4.08	18.67 ***	
9-12S	12-15	7	0.3x1.00/300	3.35	5.92 ***	
					94.88 ***	
					68.71 ***	
					13.97 ***	
					14.18 ***	

TAREA: SAOAOHUI/EL TIÑO
 PERFIL: ST-17

PROYECTO GEOTERMICO

DATOS TOMADOS POR:

"VALLE DE LOS CHILLOS"

FECHA: 85.04-08

PAGINA: 2

CONVENIO INE - D.G.G.M.

Rx	Tx	n	V	I	ρ _o	observaciones
27-24N	3-0N	7	0.3x1.19	6.28		
24-21N	3N-0	6	0.3x2.00	6.31		
	0-35	7	0.3x1.26	6.33	27.00 ***	
21-18N	3N-0	5	1x1.62	6.27	30.11 ***	
	0-35	6	0.3x3.39	6.41	28.37 ***	
	3-6S	7	0.3x1.24	4.72	51.14 ***	
18-15N	3N-0	4	1x2.93	6.22	49.06 ***	
	0-35	5	1x1.63	6.31	37.44 ***	
	3-6S	6	0.3x1.97	4.71	53.29 ***	
3N-0	3-6S	1	30x1.37	3.85	51.13 ***	
6-9S	3N-0	2	10x1.53	6.34	39.74 ***	
	0-35	1	30x1.89	6.47	58.37 ***	
9-12S	3N-0	3	3x3.32	6.32	54.55 ***	
	0-35	2	10x3.00	6.46	49.56 ***	
	3-6S	1	30x2.61	4.82	83.12 ***	
					105.04 ***	
					91.85 ***	

Sangolqui - El Tingo
ST-19

ESTADÍSTICAS

PROYECTO CENSA
"VALLE DE LOS CHILLOS"
CAMPAÑA DE GEOMORFOLOGÍA
CONVENIO INE - D. N. O. P.

FECHA: 22.05.85.

PAGINA: J

Rx	Tx	n	V	I	Po	Observaciones
0-3	9-12	2	3 x 3.49	5.32	44.52	
	12-15	3	3 x 2.38	5.00	80.75	
	15-18	4	1 x 1.82	4.55	45.24	
	18-21	5	—	—	—	Postura ob Cobre.
3-6	9-12	1	10 x 2.96	5.32	31.4	+
	12-15	2	10 x 1.35	4.27	71.51	
	15-18	3	3 x 1.10	4.10	45.51	
	18-21	4	—	—	—	
6-9	12-15	1	30 x 1.14	5.32	36.38	+
	15-18	2	3 x 2.03	4.15	73.14	
	18-21	3	1 x 2.21	3.98	21.40	
9-12	15-18	1	30 x 2.83	3.64	131.9	+
	18-21	2	10 x 1.90	3.05	140.91	
12-15	18-21	1	100 x 2.55	3.05	480	+
21-24	9-12	3	10 x 1.21	6.02	113.66	
	12-15	2	100 x 1.15	5.05	515.10	51.51
	15-18	1	100 x 1.60	4.31	210	+
24-27	9-12	4	1 x 2.85	6.46	47.68	
	12-15	3	10 x 1.82	5.04	204.20	
	15-18	2	10 x 2.44	4.30	128.35	
	18-21	1	30 x 3.08	4.16	125.6	+
27-30	9-12	5	1 x 1.34	6.00	44.20	
	12-15	4	3 x 3.19	5.00	216.47	
	15-18	3	3 x 2.82	4.25	112.57	
	18-21	2	10 x 1.48	4.12	81.25	
30-33	9-12	6	1 x 1.14	6.00	60.77	
	12-15	5	3 x 2.40	4.25	325.73	
	15-18	4	3 x 2.23	4.28	176.78	
	18-21	3	3 x 2.66	4.14	109.00	
33-36	9-12	7	0.3 x 1.97	6.77	41.47	
	12-15	6	1 x 3.24	5.00	205.20	
	15-18	5	1 x 2.43	4.25	113.16	
	18-21	4	1 x 2.67	4.12	73.29	
	9-12	8	—	—	—	

Sangolquí - El Tingo

ST-19

PROYECTO GEOMORFOLOGÍA

"VALLE DE LOS CHILLOS"

CAMPAÑA DE GEOMORFOLOGÍA

CONVENIO INE-UNAM

UBICACIÓN: LOS YOMAS P.A.C.

FECHA: 22.05.85.

HOJA: J

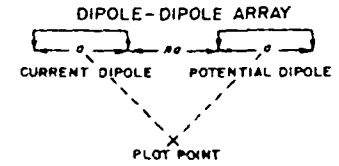
Rx	Tx	n	V	I	Pc	Observaciones
0-3	9-12	2	3 x 3.49	5.32	44.52	
	12-15	3	3 x 2.38	5.00	80.75	
	15-18	4	1 x 1.82	4.55	45.24	
3-6	18-21	5	—	—	—	Distancia a 6 cables.
	9-12	1	10 x 2.96	5.32	—	
	12-15	2	10 x 1.35	4.27	71.51	
	15-18	3	3 x 1.10	4.10	45.51	
6-9	18-21	4	—	—	—	
	12-15	1	30 x 1.14	5.32	—	
	15-18	2	3 x 2.03	4.15	33.19	
9-12	18-21	3	1 x 2.21	3.98	31.40	
	15-18	1	30 x 2.83	3.64	—	
	18-21	2	10 x 1.90	3.05	140.91	
12-15	18-21	1	100 x 2.55	3.05	—	
21-24	9-12	3	10 x 1.21	6.02	113.66	
	12-15	2	100 x 1.15	5.05	515.10	51.51
	15-18	1	100 x 1.60	4.31	—	
24-27	9-12	4	1 x 2.85	6.96	47.68	
	12-15	3	10 x 1.82	5.04	204.20	
	15-18	2	10 x 2.44	4.30	128.35	
	18-21	1	30 x 3.08	4.16	—	
27-30	9-12	5	1 x 1.34	6.00	44.20	
	12-15	4	3 x 3.19	5.00	216.47	
	15-18	3	3 x 2.82	4.25	112.57	
	18-21	2	10 x 1.48	4.12	81.25	
30-33	9-12	6	1 x 1.14	6.00	60.77	
	12-15	5	3 x 2.40	4.25	335.3	
	15-18	4	3 x 2.23	4.28	176.78	
	18-21	3	3 x 2.66	4.14	109.00	
33-36	9-12	7	0.3 x 1.97	6.77	41.47	
	12-15	6	1 x 3.24	5.00	205.20	
	15-18	5	1 x 2.43	4.25	113.16	
	18-21	4	1 x 2.67	4.12	73.29	
	9-12	8	—	—	—	

$$f_0 = \frac{2\pi a \Delta V}{I} \sim (\sim+1)(\sim+2)$$

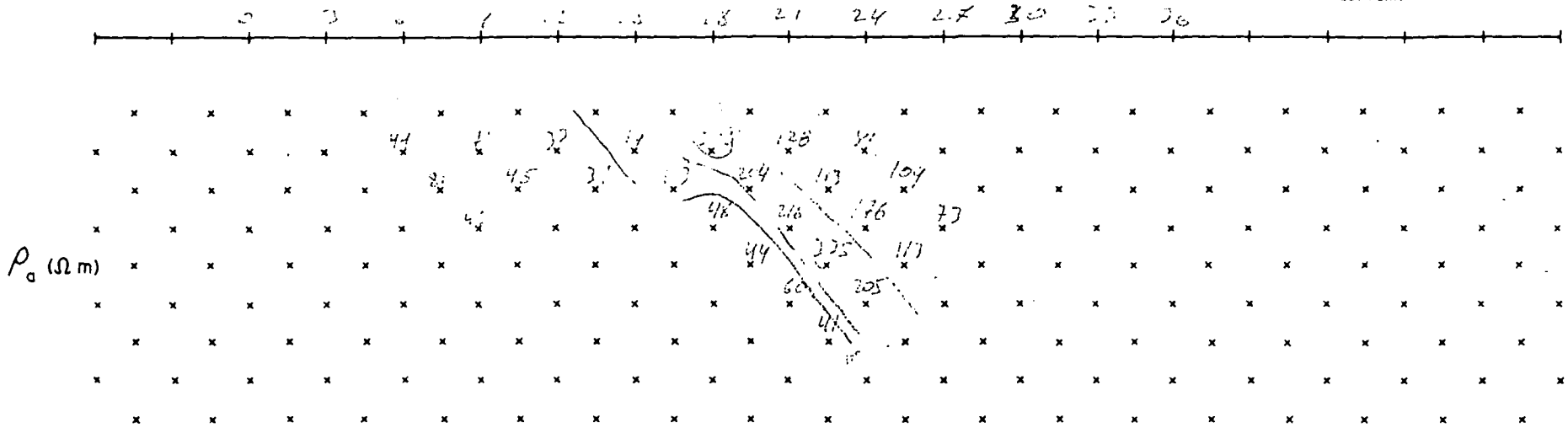
$$f_0 = \frac{\Delta V}{I} 2\pi a (\sim)(\sim+1)(\sim+2)$$

EARTH SCIENCE LABORATORY
 UNIVERSITY of UTAH RESEARCH INSTITUTE

DIPOLE - DIPOLE ARRAY
 APPARENT RESISTIVITY



$a =$ 1 meters





**INSTITUTO
NACIONAL
DE ENERGIA**

OFICIO N° 850036

Quito, a

9 ENE. 1961

Señor
Philip M. Wright.
EARTH SCIENCE LABORATORY
UNIVERSITY OF UTAH RESEARCH INSTITUTE
Presente.

De mi consideración:

Por intermedio del presente, me es grato enviar a Ud, una copia de los resultados de campo obtenidos en los perfiles ST-4; ST-11 y ST-12, del área Sangolqui-El Tingo; con estos datos se termina los sondajes Dipolo-Dipolo en el área.

Mucho agradeceré se sirva emitir la interpretación preliminar de esta primera área, de acuerdo al convenio. Debo informarle también que la unidad de Geotermia de este Instituto ha decidido continuar con los sondajes Dipolo-Dipolo en el área Tumbaco-Cumbaya, para luego terminar con el área la Merced - Ilaló.

Atentamente,

Carlos Quevedo T. Ph. D
DIRECTOR EJECUTIVO
INSTITUTO NACIONAL DE ENERGIA.



**INSTITUTO
NACIONAL
DE ENERGIA**

OFICIO # 841271 INE

Quito, a 23 OCT. 1984

Señor
Philip Mike Wright
EARTH SCIENCE LABORATORY
UNIVERSITY OF UTAH
RESEARCH INSTITUTE
Presente.

De mi consideración:

Por intermedio del presente, me es grato enviar a Ud., una copia del informe de los resultados obtenidos en el Perfil ST-6, conforme a lo acordado en el convenio suscrito entre este Instituto y la Universidad de Utah, el mismo que pongo a su consideración, para su respectiva interpretación.

Mucho agradeceré a Ud. se sirva emitir sus comentarios y recomendaciones con respecto a éstos.

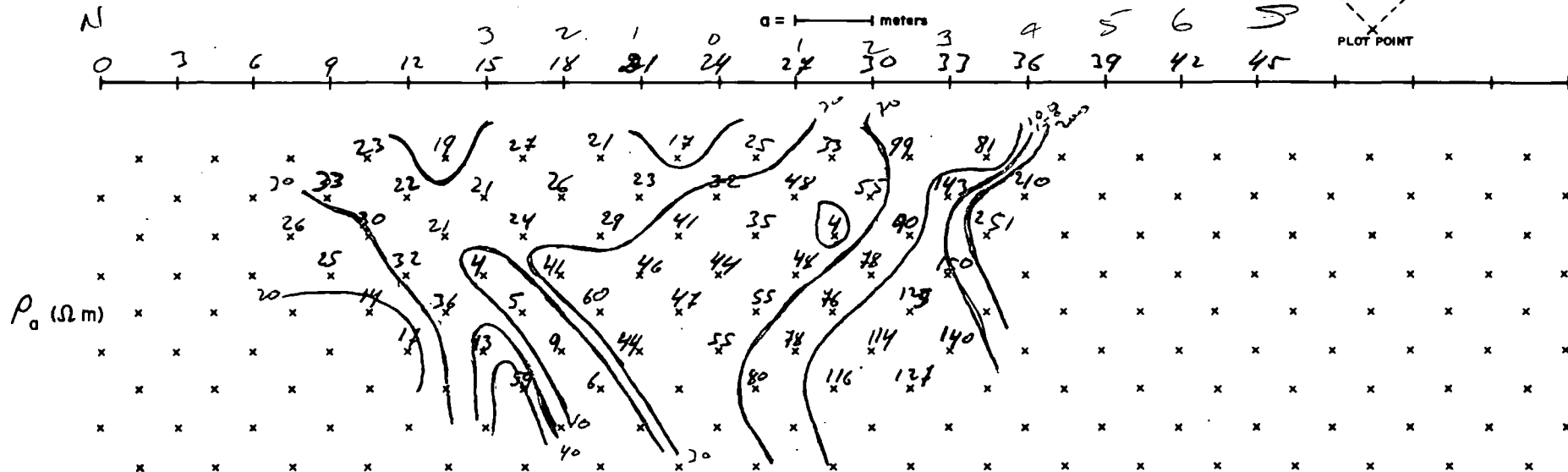
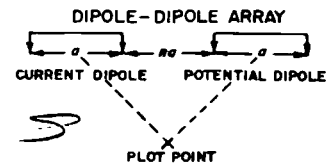
Atentamente,

Carlos E. Quevedo T. Ph.D.
DIRECTOR EJECUTIVO
INSTITUTO NACIONAL DE ENERGIA

Rx	Tx	n	V	I	Po	Observaciones
0-3	12-15	3	1x2.01	4.37	26.01	
	15-18	4	1x1.23	5.60	24.84	
	18-21	5	0.3x1.22	5.11	14.18	
	21-24	6	0.3x ²²⁰ /300	4.16	16.75	
3-6	12-15	2	3x2.15	4.42	33.01	
	15-18	3	1x3.00	5.70	29.76	
	18-21	4	1x1.41	5.00	31.89	
	21-24	5	0.3x2.51	4.13	36.09	
6-9	12-15	1	10x1.80	4.40	23.13	
	15-18	2	3x1.85	5.70	22.02	
	18-21	3	1x1.90	5.00	21.49	
	21-24	4	0.3x ¹⁶⁰ /300	4.02	4.50	
9-12	15-18	1	10x2.00	5.87	19.27	
	18-21	2	3x1.55	5.05	20.83	
	21-24	3	1x1.78	4.03	24.98	
12-15	18-21	1	10-2.39	5.05	26.76	
	21-24	2	3x1.61	4.19	26.07	
15-18	21-24	1	10x1.53	4.17	20.75	
24-27	21-18	1	10x1.63	5.29	17.42	
	18-15	2	3x1.95	5.75	23.01	
	15-12	3	1x2.29	4.45	29.10	
27-30	24-21	1	10x1.84	4.22	24.66	
	21-18	2	3x2.42	5.20	31.58	
	18-15	3	3x1.35	5.60	40.90	
	15-12	4	1x1.80	4.44	45.85	
30-33	24-21	2	3x2.98	4.21	48.03	
	21-18	3	3x1.10	5.26	35.48	
	18-15	4	1x2.27	5.74	44.73	
	15-12	5	1x1.06	4.47	46.93	
33-36	24-21	3	3x1.10	4.22	4.42	
	21-18	4	1x2.24	5.30	47.80	
	18-15	5	1x1.61	5.76	55.32	
	15-12	6	0.3x2.65	4.55	55.33	
36-39	24-21	4	1x2.93	4.25	77.97	
	21-18	5	1x2.03	5.31	75.66	
	18-15	6	1x1.42	5.78	77.80	
	15-12	7	0.3x2.56	4.53	80.53	
39-42	24-21	5	1x2.69	4.27	124.69	
	21-18	6	1x1.92	5.33	114.07	
	18-15	7	1x1.42	5.80	116.30	
42-45	24-21	6	1x1.89	4.27	140.17	
	21-18	7	1x1.43	5.33	127.44	
0-3	24-27	7				
3-6	24-27	6	0.3x2.33	5.12	43.23	
	27-30	7	0.3x3.10	7.46	59.22	
6-9	24-27	5	0.3x ¹²⁰ /300	5.18	4.59	
	27-30	6	0.3x ¹⁸⁰ /300	7.38	8.77	
	30-33	7	0.3x ⁸⁰ /300	6.50	5.85	

EARTH SCIENCE LABORATORY
UNIVERSITY of UTAH RESEARCH INSTITUTE

DIPOLE - DIPOLE ARRAY
APPARENT RESISTIVITY



- 1 250
- 2 150
- 3 50
- 4 20
- 5 5

Bumbaco - Cuumbaya.

N.º: TC-8.

VALORES TOMADOS POR:

FECHA: 14-05-85.

OTRO: /

PROYECTO C
"VALLE DE LOS
CAMPAÑA DE C
CONVENIO INE-

Rx	Tx	n	V	I	Po	Observaciones
0-3	12-15	3	1x2.01	4.37	26.01	
	15-18	4	1x1.23	5.60	24.84	
	18-21	5	0.3x1.22	5.11	14.18	
	21-24	6	0.3x ²²⁰ /300	4.16	16.75	
3-6	12-15	2	3x2.15	4.42	33.01	
	15-18	3	1x3.00	5.70	29.76	
	18-21	4	1x1.41	5.00	31.89	
	21-24	5	0.3x2.51	4.13	26.09	
6-9	12-15	1	10x1.80	4.40	23.13	
	15-18	2	3x1.85	5.70	22.02	
	18-21	3	1x1.90	5.00	21.49	
	21-24	4	0.3x ¹⁶⁰ /300	4.02	4.50	
9-12	15-18	1	10x2.00	5.87	19.27	
	18-21	2	3x1.55	5.05	20.83	
	21-24	3	1x1.78	4.03	24.98	
12-15	18-21	1	10-2.39	5.05	26.76	
	21-24	2	3x1.61	4.19	26.07	
15-18	21-24	1	10x1.53	4.17	20.75	
24-27	21-18	1	10x1.63	5.29	17.42	
	18-15	2	3x1.95	5.75	23.01	
	15-12	3	1x2.29	4.45	29.10	
27-30	24-21	1	10x1.84	4.22	24.66	
	21-18	2	3x2.42	5.20	31.58	
	18-15	3	3x1.35	5.60	40.90	
	15-12	4	1x1.80	4.44	45.85	
30-33	24-21	2	3x2.98	4.21	48.03	
	21-18	3	3x1.10	5.26	35.48	
	18-15	4	1x2.27	5.74	44.73	
	15-12	5	1x1.06	4.47	46.93	
33-36	24-21	3	3x1.10	4.22	4.42	
	21-18	4	1x2.24	5.30	47.80	
	18-15	5	1x1.61	5.76	55.32	
	15-12	6	0.3x2.65	4.55	55.33	
36-39	24-21	4	1x2.93	4.25	77.97	
	21-18	5	1x2.03	5.31	75.66	
	18-15	6	1x1.42	5.78	77.80	
	15-12	7	0.3x2.56	4.53	80.53	
39-42	24-21	5	1x2.69	4.27	124.69	
	21-18	6	1x1.92	5.33	114.07	
	18-15	7	1x1.42	5.80	116.30	
42-45	24-21	6	1x1.89	4.27	140.17	
	21-18	7	1x1.43	5.33	127.44	
0-3	24-27	7				
3-6	24-27	6	0.3x2.33	5.12	43.23	
	27-30	7	0.3x3.10	7.46	59.22	
6-9	24-27	5	0.3x ¹²⁰ /300	5.18	4.59	
	27-30	6	0.3x ¹⁶⁰ /300	7.38	8.77	
	30-33	7	0.3x ⁸⁰ /300	6.50	5.85	

TUMBACO - CUMBAYA

PROYECTO

TC-6

VALLE DE LOS

TOMADAS

COMUNIDAD DE

FECHA: 10/05/85

COMUNIDAD

PAGINA: 1

COMUNIDAD

Rx	Tx	n	V	I	Po	Observaciones
0-3	15-18	4	0.3 x ¹⁰⁰ / ₃₀₀	2.35	4.81	
	18-21	5	0.3 x ¹¹⁰ / ₃₀₀	4.25	5.12	
	21-24	6	0.3 x ⁸⁰ / ₃₀₀	5.74	4.41	
	24-27	7	0.3 x ⁵⁰ / ₃₀₀	4.47	5.31	
21-24	15-18	1	3 x 2.48	2.42	17.39	
24-27	15-18	2	3 x 1.18	2.42	37.09	
	18-21	1	10 x 3.69	3.88	57.78	
27-30	15-18	3	0.3 x ²¹⁰ / ₃₀₀	2.42	5.61	
	18-21	2	3 x 2.30	4.37	35.72	
	21-24	1	10 x 3.05	5.33	32.36	
09-05-85						
0-3	6-9	1	30-2.28	6.30	61.40	
	9-12	2	10-1.62	5.64	64.97	
	12-15	3	0.3 x ²⁸⁰ / ₃₀₀	2.11	7.50	
3-6	9-12	1	30 x 2.2	5.70	65.48	
	12-15	2	3 x 1.38	2.35	39.85	
6-9	12-15	1	10 x 1.50	2.35	36.09	
15-18	3-6	3	1 x 1.78	4.76	21.15	
	6-9	2	3 x 1.71	6.50	17.85	
	9-12	1	30 x 1.52	5.62	45.88	
18-21	3-6	4	0.3 x ²⁴⁰ / ₃₀₀	4.40	6.17	
	6-9	3	1 x 2.11	6.39	18.82	
	9-12	2	3 x 2.69	5.10	35.79	
	12-15	1	10 x 2.24	2.22	57.06	
21-24	3-6	5	0.3 x ⁸⁰ / ₃₀₀	4.26	3.72	
	6-9	4	0.3 x ¹²⁰ / ₃₀₀	6.36	2.13	
	9-12	3	0.3 x ²⁶⁰ / ₃₀₀	5.00	2.94	
	12-15	2	0.3 x 1.05	2.25	3.17	
24-27	3-6	6	0.3 x ⁴⁰ / ₃₀₀	4.72	2.68	
	6-9	5	3 x ⁸⁰ / ₃₀₀	6.46	24.51	
	9-12	4	3 x ¹²⁰ / ₃₀₀	5.01	27.09	
	12-15	3	0.3 x ¹⁸⁰ / ₃₀₀	2.32	4.39	
27-30	3-6	7	0.3 x ⁶⁰ / ₃₀₀	4.67	6.10	
	6-9	6	0.3 x ⁸⁰ / ₃₀₀	5.55	4.56	
	9-12	5	0.3 x ²⁰⁰ / ₃₀₀	5.67	6.98	
	12-15	4	0.3 x ¹⁶⁰ / ₃₀₀	2.60	6.96	

TC 6

Pa	Ta	n	V	T	Co	Observaciones
0-5	20-25	3	3x2.72	2.09		
	25-30	4	3x1.41	2.31		
	30-35	5	1x3.21	2.77		
	35-40	6	1x2.49	2.75	36.80	***
	40-45	7	1x2.13	2.58	34.50	***
5-10	20-25	2	10x1.60	2.12	79.25	***
	25-30	3	3x2.22	2.32	47.73	***
	30-35	4	3x1.51	2.77	55.35	***
	35-40	5	1x3.43	2.75	28.45	***
	40-45	6	1x2.64	2.59	27.35	***
10-15	45-50	7	1x2.48	2.75	18.83	***
	20-25	1	10x3.90	2.11	55.80	***
	25-30	2	10x1.11	2.32	71.42	***
	30-35	3	3x2.07	2.78	18.84	***
	35-40	4	3x1.44	2.77	31.85	***
15-20	40-45	5	3x1.07	2.60	36.46	***
	45-50	6	1x2.96	2.77	46.73	***
	50-55	7	1x1.74	3.63	56.40	***
	25-30	1	30x1.59	2.34	17.55	***
	30-35	2	10x1.50	2.79	23.27	***
20-25	35-40	3	3x2.81	2.79	28.46	***
	40-45	4	3x1.97	2.62	42.52	***
	45-50	5	3x1.63	2.79	57.82	***
	50-55	6	1x2.67	3.65	58.61	***
	55-60	7	3x1.36	5.22	61.86	***
25-30	30-35	1	30x2.55	2.81	25.66	***
	35-40	2	10x2.47	2.80	53.25	***
	40-45	3	10x1.51	2.63	54.11	***
	45-50	4	3x3.50	2.81	70.42	***
	50-55	5	3x1.67	3.66	45.15	***
30-35	55-60	6	3x2.37	5.22	71.23	***
	60-65	7	3x1.15	3.00	81.24	***
	35-40	1	30x1.17	2.14	14.67	***
	40-45	2	30x1.64	2.01	32.28	***
	45-50	3	30x1.07	2.15	143.71	***
35-40	50-55	4	10x1.08	2.84	71.53	***
	55-60	5	3x3.28	4.12	73.76	***
	60-65	6	3x1.96	3.10	53.46	***
	65-70	7	1x2.50	2.72	58.27	***
	70-75	7	1x2.50	2.72	54.42	***
40-45	75-80	7	0.3x5.12	1.36	82.63	***
	40-45	-1	30x3.66	2.01	106.95	***
	45-50	2	30x1.64	2.15	51.61	***
	50-55	3	10x1.64	2.80	44.25	***
	55-60	4	10x1.79	4.11	4.25	***
45-50	60-65	5	3x3.20	3.14	316.13	***
	65-70	6	3x1.02	2.70	51.27	***
	70-75	7	1x1.15	2.03	12.50	***
	75-80	7	1x1.91	2.03	51.27	***
	80-85	7	1x1.91	2.03	51.27	***

Ra	Ta	n	v	I	Pa	Observaciones
40-45	50-55	1	100x1.57	2.80		
	55-60	2	30x3.45	4.12	51.53	***
	60-65	3	30x1.72	3.18	34.71	***
	65-70	4	3x3.52	2.78	188.47	***
	70-75	5	1x2.93	2.03	71.88	***
	75-80	6	1x1.31	1.36	47.61	***
45-50	55-60	1	300x1.78	4.12	58.84	***
	60-65	2	100x1.19	3.18	121.26	***
	65-70	3	10x2.51	2.79	141.88	***
	70-75	4	3x1.80	2.03	34.75	***
	75-80	5	1x2.04	1.36	58.14	***
50-55	60-65	1	100x3.35	3.19	48.49	***
	65-70	2	30x1.44	2.79	58.87	***
	70-75	3	3x2.22	2.02	58.37	***
	75-80	4	1x2.07	1.36	38.52	***
55-60	65-70	1	100x2.76	2.79	28.63	***
	70-75	2	10x2.82	2.03	53.23	***
	75-80	3	3x1.88	1.36	47.51	***
60-65	70-75	1	100x1.48	2.03	33.69	***
	75-80	2	10x1.66	1.36	58.71	***
					46.82	***
65-70	75-80	1	30x3.52	1.36	72.18	***
					55.73	***
80-85	40-45	7	1x1.45	2.06	54.23	***
	45-50	6	1x2.24	2.18	31.84	***
	50-55	5	1x2.77	2.87	57.86	***
	55-60	4	3x2.74	4.08	48.63	***
	60-65	3	10x1.57	3.17	58.18	***
	65-70	2	10x3.76	2.81	43.20	***
	70-75	1	30x3.55	2.04	45.25	***
85-90	45-50	7	1x1.35	2.17	28.14	***
	50-55	6	1x1.53	2.87	32.98	***
	55-60	5	3x1.85	4.08	38.66	***
	60-65	4	3x2.23	3.18	37.98	***
	65-70	3	10x1.13	2.81	36.25	***
	70-75	2	10x2.07	2.04	28.32	***
	75-80	1	30x1.45	1.36	24.63	***
90-95	50-55	7	0.3x2.99	2.86	30.34	***
	55-60	6	1x2.34	4.07	30.62	***
	60-65	5	1x3.59	3.18	16.56	***
	65-70	4	3x1.87	2.81	24.57	***
	70-75	3	3x2.33	2.04	28.33	***
	75-80	2	3x3.61	1.36	23.97	***
95-100	55-60	7	0.3x3.17	4.07	23.97	***
	60-65	6	1x1.50	3.17	52.56	***
	65-70	5	1x1.88	2.79	54.36	***
	70-75	4	1x2.58	2.03	47.54	***
	75-80	3	3x1.10	1.36	52.62	***
100-105	60-65	7	1x2.71	3.18	67.47	***
	65-70	6	1x2.79	2.80	32.56	***
	70-75	5	1x3.33	2.02	52.56	***
	75-80	4	1x3.43	1.36	47.58	***
105-110	65-70	7	1x1.84	2.80	35.51	***
	70-75	6	1x1.84	2.04		
	75-80	5	1x1.88	1.36		

Rx	Tx	n	V	I	f _c	Observaciones
110-115	70-75	7	1x1.52	2.03		
	75-80	6	1x1.34	1.36	58.84	***
115-120	75-80	7	0.3x2.31	1.36	52.80	***
					48.55	***
80-85	90-95	1	30x1.58	1.06		
	95-100	2	10x1.42	1.25	42.14	***
	100-105	3	3x1.65	1.01	42.83	***
	105-110	4	1x2.78	1.25	46.19	***
	110-115	5	1x1.17	0.74	41.52	***
	115-120	6	0.3x3.68	1.02	52.15	***
	120-125	7	0.3x1.49	6.67	58.25	***
85-90	95-100	1	30x1.05	1.01	52.82	***
	100-105	2	10x1.14	1.34	29.35	***
	105-110	3	3x1.86	1.70	32.87	***
	110-115	4	1x2.09	1.04	38.94	***
	115-120	5	1x1.72	1.44	37.88	***
	120-125	6	0.3x1.97	0.69	39.41	***
	125-130	7	0.3x1.33	0.52	45.21	***
90-95	100-105	1	10x3.24	1.01	28.75	***
	105-110	2	3x3.58	1.30	38.23	***
	110-115	3	1x3.29	0.79	31.15	***
	115-120	4	1x2.45	1.09	38.25	***
	120-125	5	0.3x1.43	0.27	42.37	***
	125-130	6	0.3x2.05	0.53	52.41	***
	130-135	7	1x1.45	1.11	27.84	***
95-100	105-110	1	30x1.28	1.30	44.58	***
	110-115	2	3x2.77	0.78	51.41	***
	115-120	3	3x1.75	1.10	51.41	***
	120-125	4	1x1.50	0.55	61.84	***
	125-130	5	1x1.25	0.67	185.38	***
	130-135	6	3x1.47	2.20	59.22	***
	135-140	7	0.3x3.70	1.75	41.32	***
100-105	110-115	1	30x1.14	0.78	45.55	***
	115-120	2	10x1.37	1.10	58.88	***
	120-125	3	3x1.24	0.70	59.24	***
	125-130	4	1x1.10	0.35	123.17	***
	130-135	5	3x1.59	1.54	49.88	***
	135-140	6	1x1.67	1.77	47.45	***
	140-145	7	0.3x3.33	1.22	52.12	***
105-110	115-120	1	30x1.67	1.47	35.65	***
	120-125	2	3x1.45	0.46	35.58	***
	125-130	3	1x1.47	0.35	67.16	***
	130-135	4	3x1.85	1.56	32.44	***
	135-140	5	1x1.77	1.80	19.63	***
	140-145	6	0.3x1.89	1.52	55.37	***
	145-150	7	0.3x3.59	1.84	70.55	***
110-115	120-125	1	10x2.71	0.36	53.32	***
	125-130	2	3x1.65	0.35	82.46	***
	130-135	3	10x1.55	1.58	45.24	***
	135-140	4	5x1.84	2.25	16.81	***
	140-145	5	1x1.10	1.93	82.46	***
	145-150	6	1x2.05	1.17		

Rx	Tx	n	V	I	ρ ₀	Observaciones	
115-120	125-130	1	10x2.28	0.35			
	130-135	2	30x2.98	2.06			
	135-140	3	10x1.45	2.33	51.40 ***		
	140-145	4	3x1.13	1.30	53.61 ***		
	145-150	5	1x1.47	0.76	58.65 ***		
120-125	130-135	1	100x2.03	1.72	49.15 ***	Mirra 10 RIGAS	
	135-140	2	30x1.58	1.98	63.59 ***		
	140-145	3	3x2.27	1.04	71.23 ***		
	145-150	4	1x2.67	0.89	96.35 ***		
125-130	135-140	1	100x2.79	1.95	61.71 ***	Mirra LEFT	
	140-145	2	10x1.77	1.02	85.38 ***		
	145-150	3	3x1.85	0.61	116.66 ***		
130-135	140-145	1	30x2.43	1.02	65.42 ***	5-100 Rio	
	145-150	2	10x1.77	0.60	85.75 ***		
135-140	140-145	1	30x1.82	0.60	87.56 ***		
	145-150	7	0.3x1.80/300	2.15	95.77 ***		
	115-120	6	0.3x1.31	2.17	6.53 ***		
	120-125	5	0.3x1.51	1.10	9.56 ***		
	125-130	4	0.3x2.85	0.95	13.58 ***		
	131-135	3	3x2.31	3.00	16.95 ***		
	135-140	2	3x3.74	2.49	18.85 ***		
	140-145	1	10x2.64	1.32	7.41 ***		
	155-160	115-120	7	0.3x1.02	3.27	12.18 ***	
		120-125	6	0.3x1.00	1.30	13.90 ***	
		125-130	5	0.3x1.66	1.19	16.36 ***	
		130-135	4	1x3.31	3.01	15.52 ***	
		135-140	3	3x1.75	3.78	26.25 ***	
	140-145	2	3x3.09	2.25	18.63 ***		
	145-150	1	10x3.76	1.35	24.94 ***		
160-165	120-125	7	0.3x1.02	1.30	33.65 ***		
	125-130	6	0.3x1.89	1.20	24.92 ***		
	130-135	5	1x3.53	3.46	27.27 ***		
	135-140	4	3x1.67	3.79	35.88 ***		
	140-145	3	3x2.18	2.26	31.53 ***		
	145-150	2	10x1.46	1.38	42.87 ***		
165-170	125-130	7	0.3x1.58	1.19	36.85 ***		
	130-135	6	1x2.78	3.48	35.28 ***		
	135-140	5	1x2.75	2.94	44.04 ***		
	140-145	4	1x2.92	1.56	42.55 ***		
	145-150	3	3x1.45	2.92	32.11 ***		
170-175	130-135	7	1x1.85	3.44	35.18 ***		
	135-140	6	1x2.33	3.83	50.13 ***		
	140-145	5	1x2.49	2.27	34.45 ***		
	145-150	4	1x3.67	1.38	38.28 ***		
175-180	135-140	7	1x1.68	3.86	32.07 ***		
	140-145	6	1x1.65	2.78	38.75 ***		
	145-150	5	1x1.34	1.38	50.47 ***		
180-185	140-145	7	0.3x3.69	2.25	54.66 ***		
	145-150	6	1x1.31	1.37			
185-190	145-150	7	0.3x3.20	1.39			

Rx	Tx	n	V	I	f _c	Observaciones
150-155	160-165	1	1x1.75	0.71		
	165-170	2	0.3x2.87	1.69	2.32	***
	170-175	3	0.3x1.34	1.89	2.32	***
	175-180	4	0.3x1.13	2.22	2.00	***
	180-185	5	0.3x2.00/2.00	2.08	2.88	***
	185-190	6	0.3x1.60/3.00	2.27	3.17	***
	190-195	7	0.3x1.70/3.00	2.66	3.72	***
155-160	165-170	1	10x3.12	1.35	3.57	***
	170-175	2	3x2.81	1.90	32.28	***
	175-180	3	3x1.44	2.04	36.73	***
	180-185	4	1x1.42	1.89	35.86	***
	185-190	5	1x1.10	2.21	34.56	***
	190-195	6	0.3x2.71	2.66	33.51	***
	195-200	7	0.3x1.68	3.15	32.57	***
160-165	170-175	1	30x2.83	1.34	53.71	***
	175-180	2	10x1.62	1.27	48.89	***
	180-185	3	3x1.28	1.05	34.47	***
	185-190	4	1x2.64	1.16	-2.93	***
	190-195	5	1x1.72	1.57	36.14	***
	195-200	6	0.3x3.91	2.12	39.28	***
	200-205	7	0.3x2.67	2.90	21.45	***
165-170	175-180	1	100x1.85	1.76	58.38	***
	180-195	2	10x1.53	1.05	56.81	***
	185-190	3	3x3.21	1.01	48.86	***
	190-195	4	1x2.63	2.12	37.74	***
	195-200	5	1x1.57	2.92	61.58	***
	200-205	6	0.3x1.72	2.33	72.12	***
	205-210	7	0.3x3.07	2.70	53.41	***
170-175	180-185	1	100x1.10	1.05	42.68	***
	185-190	2	10x2.20	1.15	25.35	***
	190-195	3	3x3.32	1.54	18.86	***
	195-200	4	3x1.60	2.12	38.23	***
	200-205	5	1x2.62	2.95	185.14	***
	205-210	6	0.3x2.68	2.35	55.97	***
	210-215	7	1x1.41	2.92	42.18	***
175-180	185-190	1	30x3.40	0.96	27.54	***
	190-195	2	10x2.01	1.33	16.74	***
	195-200	3	3x2.68	1.80	41.16	***
	200-205	4	3x1.26	2.55	17.89	***
	205-210	5	1x1.02	2.01	33.82	***
	210-215	6	1x1.83	2.35	23.28	***
	215-220	7	0.3x1.25	1.66	35.42	***
180-185	190-195	1	100x1.41	1.33	27.81	***
	195-200	2	30x1.12	1.81	70.45	***
	200-205	3	10x1.44	2.57	55.47	***
	205-210	4	1x3.02	2.02	33.21	***
	210-215	5	1x3.98	2.37	56.25	***
	215-220	6	1x1.9	1.67	41.78	***
185-190	195-200	1	100x1.13	1.45		
	200-205	2	30x1.03	2.10		
	205-210	3	3x1.74	1.65		
	210-215	4	3x1.91	1.92		
	215-220	5	1x1.71	1.35		

Rx	Tx	n	V	I	Pc	Observaciones
190-195	200-205	1	100x1.36	2.16		
	205-210	2	10x1.57	1.64	51.84 ***	
	210-215	3	10x1.16	1.95	34.71 ***	
	215-220	4	1x2.47	1.35	56.37 ***	
195-200	205-210	1	30x2.29	1.24	34.49 ***	
	210-215	2	10x3.07	1.46	52.22 ***	
	215-220	3	3x1.54	1.02	79.27 ***	
200-205	210-215	1	30x3.57	1.47	42.69 ***	
	215-220	2	3x2.18	1.02	56.61 ***	
205-210	215-220	1	3x3.16	1.02	34.17 ***	
220-225	180-185	7	0.3x2.12	2.06	5.76 ***	
	185-190	6	0.3x2.56	1.93	24.44 ***	
	190-195	5	1x1.15	2.27	21.09 ***	
	195-200	4	1x2.92	2.93	15.71 ***	
	200-205	3	3x1.17	3.04	16.79 ***	
	205-210	2	3x1.04	2.06	16.88 ***	
	210-215	1	10x2.58	2.43	5.71 ***	
225-230	185-190	7	0.3x1.19	1.69	16.91 ***	
	190-195	6	0.3x2.15	2.26	15.15 ***	
	195-200	5	1x1.35	2.94	15.22 ***	
	200-205	4	1x1.42	2.62	5.35 ***	
	205-210	3	1x1.17	2.06	15.33 ***	
	210-215	2	3x3.32	2.45	14.25 ***	
230-235	190-195	7	—	1.35	—	
	195-200	6	—	1.48	0.33 ***	
	200-205	5	—	3.60	0.33 ***	
	205-210	4	—	2.90	—	
	210-215	3	0.3x120/300	3.39	2.86 ***	
	215-220	2	0.3x120/300	1.39	2.90 ***	
	220-225	1	10x2.60	1.72	1.86 ***	
235-240	195-200	7	—	2.60	5.17 ***	
	200-205	6	0.3x60/300	3.60	2.61 ***	
	205-210	5	0.3x40/300	3.27	44.21 ***	
	210-215	4	0.3x200/300	3.39	39.17 ***	
	215-220	3	0.3x1.18	3.08	—	
240-245	200-205	7	0.3x200/300	3.06	1.83 ***	
	205-210	6	0.3x120/300	2.43	2.25 ***	
	210-215	5	1x3.86	2.88	2.12 ***	
	215-220	4	3x1.42	2.08	5.12 ***	
245-250	205-210	7	—	2.44	26.41 ***	
	210-215	6	0.3x100/300	2.98	16.54 ***	
	215-220	5	0.3x140/300	2.05	27.21 ***	
250-255	210-215	7	0.3x260/300	2.89	38.82 ***	
	215-220	6	0.3x200/300	2.06	5.35 ***	
255-260	215-220	7	0.3x150/300	2.05	9.46 ***	
270-275	230-235	1	30x1.98	2.12	12.46 ***	
	235-240	2	10x1.79	4.02	—	
	240-245	3	3x2.80	2.91	—	
	245-250	4	3x1.27	2.33	—	
	250-255	5	1x180/300	2.10	—	
	255-260	6	1x160/300	2.97	—	
	260-265	7	1x100/300	2.12	—	

ceo

FECHA:

TC - 6

CAMPAÑA DE CIOP. 1974

PAGINA: 3

CONVENIO IRE - D.G.G.M.

Rx	Tx	n	V	MI	fo	Observaciones
225-230	235-240	1	30x1.26	4.01		265-270 3 3x1.57 1.50
	240-245	2	10x1.18	2.69		270-275 2 10x1.75 2.39
	245-250	3	3x1.69	2.36		275-280 1 30x1.37 1.70
	250-255	4	1x1.32	3.07	270-285	250-255 7 1x1.24 2.73
	255-260	5	0.3x200/300	2.96		255-260 6 1x2.05 2.51
	260-265	6	0.3x100/300	2.01		260-265 5 1x2.32 2.07
	265-270	7	0.3x80/300	2.09		265-270 4 1x3.77 1.92
230-235	240-245	1	30x3.07	2.42		270-275 3 3x3.95 2.90
	245-250	2	10x3.02	2.26		275-280 2 10x2.02 2.08
	250-255	3	3x3.34	3.05	295-300	275-280 7 1x1.85 3.03
	255-260	4	3x2.24	2.95		280-285 6 1x1.39 1.31
	260-265	5	3x1.00/300	1.63	"	285-290 5 1x2.19 2.04
	265-270	6	0.5x20/300	1.58	"	290-295 4 3x2.94 3.86
	270-275	7	—	3.96	Balan	295-280 3 3x3.17 2.03
235-240	245-250	1	30x2.88	1.83		
	250-255	2	10x2.49	2.67		
	255-260	3	0.3x1.00	2.58		
	260-265	4	0.3x80/300	1.55		
	265-270	5	0.3x60/300	1.77		
	270-275	6	0.30x ⁶⁰ /300	3.94		
	275-280	7	—	—		
240-245	250-255	1	10x3.70	1.12		
	255-260	2	10x1.97	1.10		
	260-265	3	3x2.54	1.05		
	265-270	4	3x1.98	1.80		
	270-275	5	3x1.37	2.40		
	275-280	6	0.3x1.00	2.47		
245-250	255-260	1	30x2.80	1.10		
	260-265	2	10x1.13	0.63		
	265-270	3	3x2.05	0.72		
	270-275	4	3x2.39	1.81		
	275-280	5	1x3.12	1.28		
250-255	260-265	1	10x2.39	0.61		
	265-270	2	3x3.72	0.97		
	270-275	3	3x2.62	1.80		
	275-280	4	1x3.20	1.28		
255-260	265-270	1	10x2.50	0.72		
	270-275	2	10x2.01	1.80		
	275-280	3	3x2.32	1.28		
260-265	270-275	1	30x1.59	1.82		
	275-280	2	10x1.25	1.28		
265-270	275-280	1	30x1.40	1.28		
280-285	240-245	7	1x1.78	2.55		
	245-250	6	1x2.73	2.25		
	250-255	5	1x3.44	2.80		
	255-260	4	3x1.75	2.12		
	260-265	3	3x1.73	1.09		
	265-270	2	10x1.45	1.50		
	270-275	1	30x3.45	3.36		
285-290	245-250	7	1x1.33	2.07		
	250-255	6	1x1.71	2.69		
	255-260	5	1x2.72	2.84		
	260-265	4	1x2.42	1.39		

2.55	***	55.25	***
16.54	***	54.84	***
28.25	***	46.53	***
8.18	***	46.68	***
2.23	***	44.86	***
2.83	***	36.44	***
7.37	***	25.82	***
35.37	***	56.27	***
58.38	***	33.55	***
30.56	***	35.32	***
42.94	***	32.63	***
28.24	***	35.55	***
8.67	***	27.62	***
—	—	22.75	***
44.58	***	35.91	***
35.16	***	47.11	***
1.18	***	35.97	***
8.57	***	37.81	***
1.12	***	38.51	***
2.32	***	37.38	***
—	—	48.34	***
51.14	***	53.58	***
57.52	***	45.11	***
65.45	***	42.87	***
62.26	***	44.15	***
56.45	***	—	—
6.41	***	—	—
71.97	***	—	—
88.38	***	—	—
88.58	***	—	—
74.57	***	—	—
88.41	***	—	—
36.55	***	—	—
43.37	***	—	—
41.15	***	—	—
47.12	***	—	—
32.72	***	—	—
48.18	***	—	—
51.25	***	—	—
24.70	***	—	—
35.82	***	—	—
36.53	***	—	—

TUMBARCO - CUMBAYA

TC-6

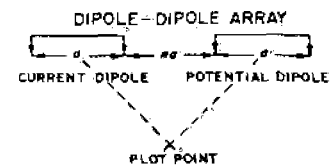
FECHA: 10/05/85
 PÁGINA: 1

PROYECTO: "VALLE DE LOS CHILIS"
 CAMPAÑA DE SEGURIDAD
 CONVENIO 1984-1985

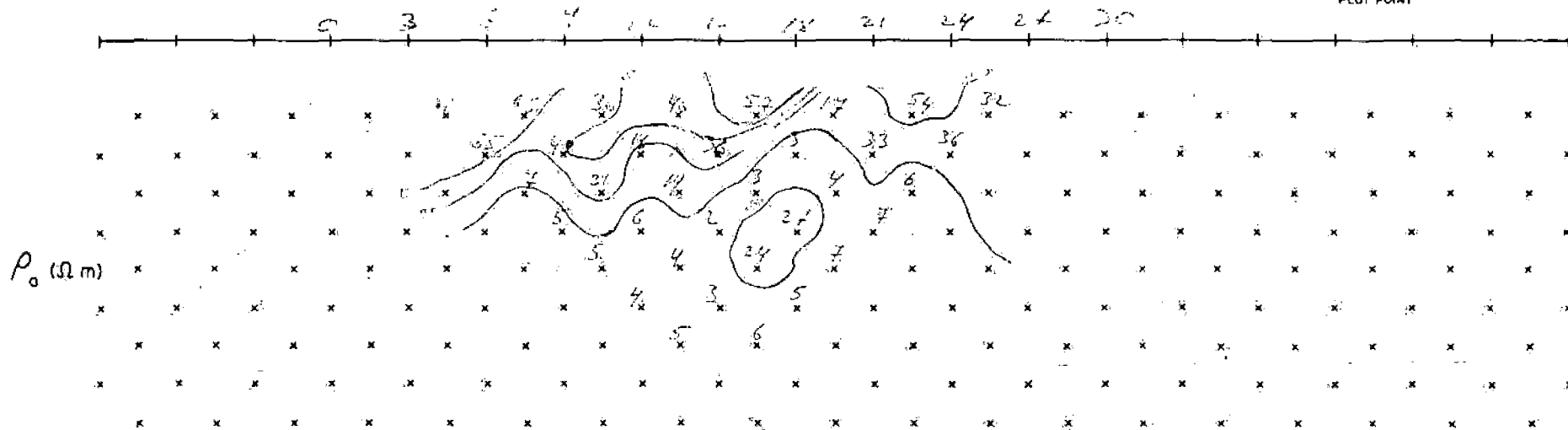
Rx	Tr	n	V	I	Po	Observaciones
0-3	15-18	4	0.3 x ¹⁰⁰ /300	2.35	4.81	
	18-21	5	0.3 x ¹¹⁰ /300	4.25	5.12	
	21-24	6	0.3 x ⁸⁰ /300	5.74	4.41	
	24-27	7	0.3 x ⁵⁰ /300	4.47	5.31	
21-24	15-18	1	3 x 2.48	2.42	17.39	
24-27	15-18	2	3 x 1.18	2.42	33.09	
	18-21	1	10 x 3.69	3.88	53.78	
27-30	15-18	3	0.3 x ²¹⁰ /300	2.42	5.61	
	18-21	2	3 x 2.30	4.37	35.72	
	21-24	1	10 x 3.05	5.33	32.36	
09-05-85						
0-3	6-9	1	30-2.28	6.30	61.40	
	9-12	2	10-1.62	5.64	64.97	
	12-15	3	0.3 x ²⁸⁰ /300	2.11	7.50	
3-6	9-12	1	30 x 2.2	5.70	65.48	
	12-15	2	3 x 1.38	2.35	39.85	
6-9	12-15	1	10 x 1.50	2.35	36.09	
15-18	3-6	3	1 x 1.78	4.76	21.15	
	6-9	2	3 x 1.71	6.50	17.85	
	9-12	1	30 x 1.52	5.62	45.88	
18-21	3-6	4	0.3 x ²⁴⁰ /300	4.40	6.17	
	6-9	3	1 x 2.11	6.39	18.82	
	9-12	2	3 x 2.69	5.10	35.79	
	12-15	1	10 x 2.24	2.22	57.06	
21-24	3-6	5	0.3 x ⁸⁰ /300	4.26	3.72	
	6-9	4	0.3 x ¹²⁰ /300	6.36	2.13	
	9-12	3	0.3 x ²⁶⁰ /300	5.00	2.94	
	12-15	2	0.3 x 1.05	2.25	3.17	
24-27	3-6	6	0.3 x ⁴⁰ /300	4.72	2.68	
	6-9	5	3 x ⁸⁰ /300	6.46	24.51	
	9-12	4	3 x ¹²⁰ /300	5.01	27.09	
	12-15	3	0.3 x ¹⁸⁰ /300	2.32	4.39	
27-30	3-6	7	0.3 x ⁶⁰ /300	4.67	6.10	
	6-9	6	0.3 x ⁸⁰ /300	5.55	4.56	
	9-12	5	0.3 x ²⁰⁰ /300	5.67	6.98	
	12-15	4	0.3 x ¹⁶⁰ /300	2.60	6.96	

EARTH SCIENCE LABORATORY
UNIVERSITY of UTAH RESEARCH INSTITUTE

DIPOLE - DIPOLE ARRAY
APPARENT RESISTIVITY



a = |-----| meters



AREA: CUMBA YA
 PERFIL: TC - 4
 DATOS TOMADOS POR: EDGAR LOPEZ MANOEL ALTAMIRANO - MILTON BALSECA
 FECHA: 04 / 02 / 85
 PAGINA: 2

PROYECTO GEOTERMICO
 "VALLE DE LOS CHILLOS"
 CAMPAÑA DE GEOFISICA
 CONVENIO INE - D.G.G.M.

RX	TX	n	I	VP. RANGE	VP. MULTIPLI.	VP. MILIVOLT.	ρ (Ω m)	OBSER.		
1800-1500N	1200-900N	1	1,87			3 x 3,32	30,12	✓		
	900-600N	2	1,49			1 x 2,48	37,65	✓		
	600-300N	3	2,63			0,3 x 1,25	8,06	✓		
	300N-0	4	3,68			0,3 x ¹⁶⁰ /300	4,92	✓		
	0-300S	5	5,39			0,3 x ²²⁰ /300	8,08	✓		
	300-600S	6	3,27			0,3 x ⁶⁰ /300	5,81	✓		
	600-900S	7								
1500-1200N	600-300N	2	2,64			1 x 2,93	25,10	✓		
	300N-0	3	3,69			0,3 x ¹⁷⁰ /300	2,61	✓		
	0-300S	4	5,40			0,3 x ¹⁶⁰ /300	3,35	✓		
	300-600S	5	3,07			0,3 x ⁷⁰ /300	4,24	✓	4-37	
	600-900S	6	3,02			0,3 x ³⁰ /300	3,15	✓		
1200-900N	600-300N	1	2,63			1 x 1,93	4,15	✓		
	300N-0	2	3,70			0,3 x 1,24	2,27	✓		
	0-300S	3	5,35			0,3 x 1,00	3,17	✓		
	300-600S	4	3,29			0,3 x ⁴⁰ /300	1,38	✓		
	600-900S	5	3,03			0,3 x ²⁰ /300	1,31	✓		
	900-1200S	6	4,42			0,3 x ²⁰⁰ /300	14,33	✓		
	1200-1500S	7	4,77			0,3 x ²²⁰ /300	21,91	✓		
900N-600N	1500-1200N	1	1,47			3 x 2,73	31,51	✓		
	300N-0	1	3,53			3 x 3,07	14,75	✓		
	0-300S	2	5,43			3 x 1,66	20,74	✓		
	300-600S	3	3,26			1 x 1,43	24,81	✓		
	600-900S	4	3,00			0,3 x 1,39	15,72	✓		
	900-1200S	5	4,45			0,3 x 1,45	19,35	✓		
	1200-1500S	6	4,81			0,3 x 1,47	29,03	✓		
1500-1800S	7	1,83			0,3 x ¹²⁰ /300	31,15	✓			

AREA: Tomoaco - Bombaya
 PERFIL: TC - 1
 DATOS TOMADOS POR:
 FECHA: 13-02-85
 PAGINA: 1

PROYECTO "VALLE DE LOS CHILLOS"
 CONVENIO INE - D.G.G.M.

Rx	Tx	n	V	I	f_0	observaciones
42-39w	33-30w	2	3 x 3.04	5.28	39.07	
	30-27	3	3 x 1.98	7.35	45.70	
	27-24	4	1 x 2.17	5.13	47.84	
	24-21	5	1 x 1.01	4.63	43.17	
39-36w	33-30w	1	10 x 3.21	5.31	34.18	
	30-27	2	10 x 1.66	7.37	50.94	
	27-24	3	3 x 1.64	5.12	54.34	
	24-21	4	1 x 2.17	4.64	52.89	
30-27w	36-33w	1	30 x 2.23	4.68	80.83	
27-24w	36-33w	2	10 x 1.82	4.52	91.08	
	33-30	1	30 x 2.01	5.25	64.95	
24-21w	36-33w	3	3 x 2.11	4.63	77.31	
	33-30	2	10 x 1.56	5.28	66.83	
	30-27w	1	30 x 2.42	7.38	55.53	
21-18w	36-33w	4	3 x 1.00	4.65	72.96	
	33-30	3	3 x 2.05	5.25	66.24	
	30-27	2	10 x 2.14	7.36	65.77	
	27-24w	1	30 x 1.81	5.12	59.97	
18-15w	36-33w	5				
	33-30	4				
	30-27	3				Quebrada
	27-24	2				
	24-21w	1				
15-12w	36-33w	6	0.3 x 1.42	4.71	28.64	
	33-30	5	0.3 x 2.41	5.29	27.04	
	30-27	4	1 x 1.91	7.40	29.19	
	27-24	3	1 x 2.77	5.16	30.35	
	24-21w	2	-	-		Rotura de Cable
12-9w	36-33w	7	-	-		Rotura de Cable
	33-30	6	0.3 x 80/300	5.30	4.78	
	30-27	5	0.3 x 60/300	7.43	2.66	
	27-24	4	1 x 1.04	5.21	22.57	
	24-21w	3	1 x 2.00	4.82	26.86	
9-6w	33-30w	7	0.3 x 40/300	5.35	3.55	
	30-27	6	0.3 x 60/300	7.46	2.54	
	27-24	5	0.3 x 80/300	5.20	3.04	
	24-21w	4	0.3 x 80/300	4.82	1.87	

ÁREA: Tambaco - C. Maya

PROYECTO GEOMÉTRICO

PERFIL: TC - 1

"VALLE DE LOS CHILLOS"

DATOS TOMADOS POR:

FECHA: 14-02-85

PAGINA: 2

CONVENIO INE - D.G.G.M.

Rx	Tx	n	V.	I	pa	observaciones
42-39W	21-18W	65	0.3 x 1.06	3.81	16.51 26.4	
	18-15W	16	0.3 x 1.52	5.20	27.77	41.7
39-36W	21-18W	5	0.3 x 2.69 ₃₀₀	3.82	13.46	
	18-15	6	0.3 x 3.68	5.16	67.75	
	15-12W	7	0.3 x 1.69 ₃₀₀	4.98	15.26	
15-12W	21-18W	1	1 x 1.99	3.83	2.93	
12-9W	21-18W	2	3 x 2.47	3.83	43.76	
	18-15	1	30 x 2.59	5.25	83.96	
9-6W	21-18W	3	0.3 x 2.14	3.90	9.30	
	18-15	2	3 x 1.41	5.28	18.12	
	15-12W	1	10 x 1.28	5.06	14.30	
6 x 3W	21-18W	4	0.3 x 3.06	3.82	27.17	
	18-15	3	3 x 1.52	5.18	49.78	
	15-12	2	3 x 3.30	5.02	44.60	
	12-9W	1	30 x 1.28	4.24	51.21	
3-0W	21-18W	5	0.3 x 1.20 ₃₀₀	3.88	6.12	
	18-15	4	1 x 1.44	5.27	30.90	
	15-12	3	1 x 2.41	5.08	26.82	
	12-9	2	3 x 1.42	4.27	22.26	
	9-6W	1	3 x 2.55	3.00	14.42	
0-3E	21-18W	6	0.3 x 2.89 ₃₀₀	3.90	22.73	
	18-15	5	0.3 x 3.39	5.28	38.11	
	15-12	4	1 x 1.43	5.09	31.77	
	12-9	3	1 x 2.25	3.70	34.38	
	9-6W	2	—	—	—	Rotura de Cable
3-6E	21-18W	7	0.3 x 2.49 ₃₀₀	3.90	29.23	
	18-15	6	0.3 x 2.5	5.28	49.42	
	15-12	5	0.3 x 3.14	5.10	42.37	
	12-9	4	1 x 1.99	4.30	46.02	
	9-6W	3	1 x 1.77	3.04	32.92	
6-9E	18-15W	7	—	5.24	—	Balances de agua
	15-12	6	0.3 x 6.0 ₃₀₀	5.08	3.74	
	12-9	5	0.3 x 1.20 ₃₀₀	4.28	5.54	
	9-6W	4	0.3 x 1.20 ₃₀₀	3.04	4.46	
9-12E	15-12W	7	—	5.10	—	Balances de agua
	12-9	6	—	4.29	—	" " "
	9-6W	5	—	3.04	—	" " "

AREA: Tumbuco - Ambaya

PROYECTO GEO - 1000

PERFIL: TC-1

"VALLE DE LOS GHILLOS"

DATOS TOMADOS POR:

FECHA: 15-02-85

PAGINA: 3

CONVENIO INE - D.G.G.M.

Rx	Tx	n	V	I	f ₀	observaciones
30-27W	6-3W	7	0.3 x 120/300	3.33	17.11	
27-24W	6-3W	6	0.3 x 160/300	3.33	15.21	
	3-0W	7	0.3 x 140/300	5.07	13.11	
24-21W	6-3W	5	0.3 x 1.20	3.33	21.39	
	3-0W	6	0.3 x 1.05	5.08	19.63	
	0-3E	7	0.3 x 180/300	4.26	20.07	
0-3E	6-3W	1	10 x 1.05	2.28	26.04	
3-6E	6-3W	2	3 x 1.43	2.75	35.26	
	3-0W	1	10 x 2.95	4.56	36.56	
6-9E	6-3W	3	1 x 1.31	2.76	26.84	
	3-0	2	3 x 1.60	4.55	23.86	
	0-3E	1	10 x 1.03	3.77	34.4	
9-12E	6-3W	4	0.3 x 2.37	6.14	13.09	
	3-0W	3	1 x 0.28	5.14	3.08	
	0-3E	2	1 x 2.80	3.78	16.75	
	3-6E	1	10 x 1.06	4.06	4.71	
12-15E	6-3W	5	0.3 x 120/300	3.16	11.83	
	3-0	4	0.3 x 1.80	5.16	11.83	
	0-3E	3	0.3 x 2.58	3.09	14.16	
	3-6E	2	1 x 1.87	4.09	10.34	
	6-9E	1	3 x 1.20	3.37	6.04	
15-18E	6-3W	6	0.3 x 1.34	3.18	40.03	
	3-0W	5	1 x 1.03	5.16	39.50	
	0-3E	4	1 x 1.17	4.34	30.40	
	3-6E	3	1 x 2.43	4.43	29.55	
	6-9E	2	3 x 1.06	3.67	15.56	
18-21E	6-3W	7	0.3 x 140/300	3.18	-	20.91
	3-0W	6	0.3 x 1.66	5.17	-	30.5
	0-3E	5	0.3 x 1.80	4.35	24.56	
	3-6E	4	1 x 1.17	4.65	38.45	
	6-9E	3	1 x 1.54	3.87	22.50	
21-24E	3-0W	7	0.3 x 160/300	5.21	-	14.19
	0-3E	6	0.3 x 1.54	4.37	3.37	33.48
	3-6E	5	0.3 x 3.25	4.65	41.49	
	6-9E	4	1 x 1.10	3.89	31.98	

AR: M. TUMBACO - EMBRYA

PERFIL: TC-5

DATOS TOMADOS POR: _____

FECHA: 03.26

PAGINA: 1

PROYECTO GEOLÓGICO
"VALLE DE LOS CHILLOS"
CAMPAÑA DE GEOFÍSICA
CONVENIO INE - D.G.G.M.

Rx	Tx	n	V	I	ρ_0	Observaciones
21-18N	300N-0	5	3 x 80/300	4.30		
	0-30S	6	3 x 50/300	4.68		
	3-6	7	3 x 30/300	4.98	35.82	***
18-15N	3N-0	4	0.3 x 160/300	4.35	37.87	***
	0-3S	5	0.3 x 80/300	4.70	38.61	***
	3-6	6	0.3 x 60/300	5.00	4.16	***
	6-9S	7	0.3 x 40/300	4.47	5.37	***
3-6S	3N-0	1	10 x 1.49	4.35	3.88	***
6-9S	3N-0	2	3 x 2.00	4.40	4.25	***
	0-3S	1	10 x 2.11	4.79	15.37	***
9-12S	3N-0	3	1 x 2.84	4.40	36.84	***
	0-3S	2	3 x 2.03	4.25	24.91	***
	3-6S	1	10 x 2.17	5.01	36.58	***
12-15S	3N-0	4	1 x 2.40	4.40	32.41	***
	0-3S	3	3 x 1.57	4.28	24.49	***
	3-6	2	10 x 1.19	5.00	61.65	***
	6-9S	1	30 x 1.63	4.53	61.43	***

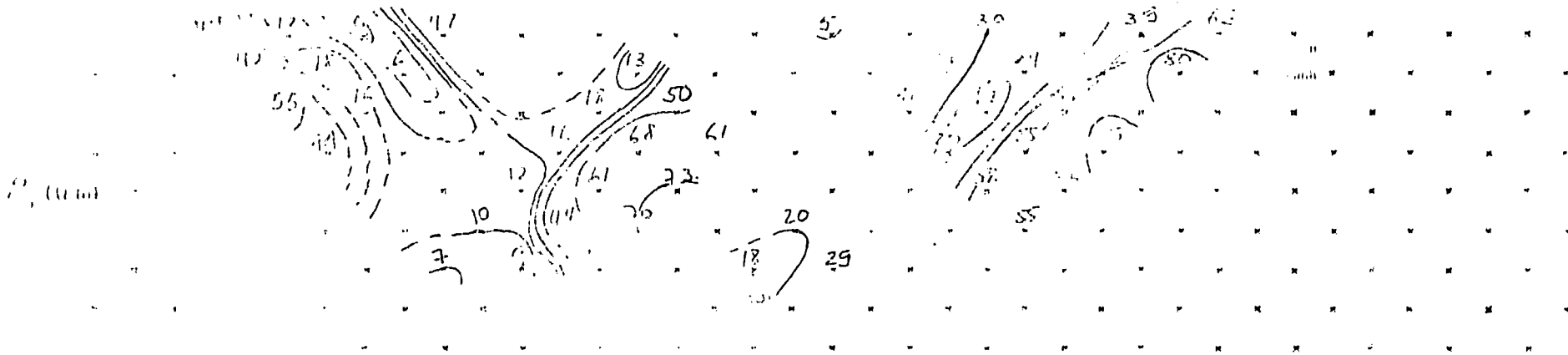
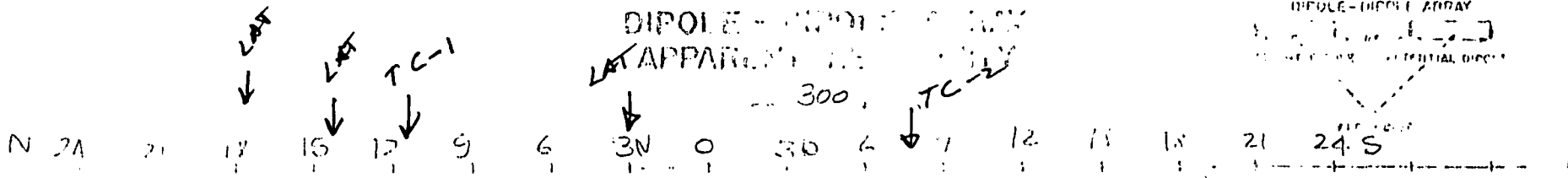
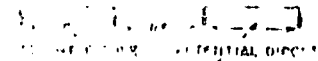
EARTH SCIENCE DEPARTMENT
UNIVERSITY OF UTAH RICE BUILDING

DIPOLE - DIPOLE ARRAY

APPROXIMATE

300

DIPOLE-DIPOLE ARRAY



TC-3

*Log # 1102
Ext. 524-3422*

TLX 02-27-85

ATT DR MIKE WRIGHT
RESEARCH INSTITUTE EARTH SCIENCE LABORATORY
FIELD DATA T C 3 ARE AS FOLLOWS

TC 3	RX	TX	N	V	I	RHO	
	2400-2100 N	1800-1500N	1	10X3.48	4.50	43.73	✓
		1500-1200N	2	3X2.48	4.02	41.86	✓
		1200-900 N	3	3X1.66	5.16	54.57	✓
		900 -600 N	4	1X1.87	4.77	44.33	✓
		0-300 S	7	0.3X60/300	3.84	7.42	✓
	2100-1800 N	1500-1200N	1	3X2.86	4.20	11.55	✓
		1200-900 N	2	3X1.39	5.20	17.65	← 18.14
		900 -600 N	3	1X1.37	4.73	16.37	✓
		0-300 S	6	0.3X120/300	3.90	9.74	✓
		300-600 S	7	0.3X100/300	5.46	8.60	✓
	1800-1500 N	1200-900 N	1	3X1.43	5.22	4.64	✓
		900-600 N	2	1X1.17	4.75	5.57	✓
	900-600 N	1500-1200N	1	30/1.20	4.38	46.47	✓
	0-300 S	1800-1500N	5	0.3X1.00	4.92	12.06	✓
		1500-1200N	4	0.3X2.03	4.42	27.26	← 15.58
		1200- 900N	3	1.0X1.65	5.24	17.80	✓
		900- 600N	2	1.0X2.67	4.70	12.85	✓
	300-600 S	1800-1500N	6	0.3X2.30	4.97	5.09	← 43.96
		1500-1200N	5	1X1.38	4.47	61.09	✓
		1200- 900N	4	3X1.05	5.26	67.73	✓
		900-600 N	3	3X1.40	4.71	50.42	✓
	600-900 S	1800-1500N	7	0.3X 1.47	4.95	42.31	✓
		1500-1200N	6	0.3X3.29	4.46	8.12	← 70.88
		1200- 900N	5	1X1.94	5.26	72.98	✓
		900- 600N	4	1X 2.54	4.74	60.60	✓
		0 300 S	1	3X1.19	3.90	5.17	✓
	1200-1500 S	1200-900 N	7	0.3X200/300	5.33	17.82	✓
	900-600N		6	0.3X1.00	4.79	2.29	← 19.12
		0-300 S	3	1X2.76	3.90	40.01	✓
		300-600 S	2	3/2.84	5.40	35.68	✓
		600-900S	1	10X2.20	4.18	29.76	✓
	1500-1800S	TX900-600 N	7	0.3X250/300	4.83	24.58	✓
		0-300 S	4	0.3X2.27	3.90	19.74	✓
		300-600 S	3	1X1.62	5.45	16.80	✓
		600-900 S	2	3X1.37	4.25	23.47	← 21.87

RX 1800-2100 S	TX 0-300 S	5	0.3X3.79	3.87	58.14	✓
	300-600 S	4	1X2.64	5.41	55.19	✓
	600-900 S	3	3X1.39	4.30	54.84	✓
	1200-1500S	1	10X1.73	2.54	38.51	✓
RX 2100-2400 S	TX 0-300 S	6	0.3X2.25	3.90	6.35	← 54.81
	300-600 S	5	1X1.53	5.42	55.86	✓
	600-900 S	4	1X1.71	4.31	44.87	✓
	1200-1500S	2	3X3.01	2.56	79.78	✓
	1500-1800S	1	30X1.23	3.33	62.66	✓

PLEASE CONFIRM BY TLX RECEPTION AND DATE YOUR AND GEOLOGIST TRIP TO ECUADOR Y REMEMBER YOU THAT IN ORDER TO AVOID ANY FIELD WORK INTERRUPTIONN, IT WOULD BE BETTER YOU TRAVEL BEFORE 20 OF MARCH.

BEST REGARDS.

M LOPOUKHINE

2991 INE ED

UNIV UTAH SLC

bl\ DURATION 616 SECS LISTED 07:10 ??? 02/28/85

PROYECTO GEOTERMICO LE BAJA ENTALPIA "VALLE DE LCS CHILLOS"

TC-4 - A (300M) ITER #2

MEDIA RESISTIVITY (OHM-METERS)

SUBFILE #36

3.00 15.00 20.00 35.00 40.00

80.00

MEDIA PFE (%)

0.00 0.00 0.00 0.00 0.00

0.00

18 15 12 9 6 3 0 3 6 9 12 15 21 NNE
88 77 66 55 44 33 22 11 00 11 22 33 44 55 66 77 88

Grid of resistivity values (OHM-METERS) with columns 1-7 and rows 1-7. Values range from 2 to 66. Includes a boxed area in the top right quadrant.

SSW

CALCULATED RESISTIVITY (OHM-METERS)

NNE

18 12 6 0 6 9 12
-5 -4 -3 -2 -1 0 +1 +2 +3 +4 +5
:-----:-----:-----:-----:-----:-----:-----:-----:-----:-----:-----:-----:

Table of calculated resistivity values. Values range from 4 to 38. Columns correspond to the labels above.

CALCULATED PFE (%)

-5 -4 -3 -2 -1 0 +1 +2 +3 +4 +5
:-----:-----:-----:-----:-----:-----:-----:-----:-----:-----:-----:-----:

Table of calculated PFE (%) values. All values are 0.00. Columns correspond to the labels above.

AREA: CUMBAYA
 PERFIL: TC 2
 DATOS TOMADOS POR: E. LOPEZ, M. ALTAMIRANO - M. BALSECA
 FECHA: 07/02/85
 PAGINA: 1

PROYECTO GEOTERMICO *Plotting. C. López*
 "VALLE DE LOS CHILLOS"
 CAMPAÑA DE GEOFISICA
 CONVENIO INE - D.G.G.M.

RX	TX	n	I	VP. RANGE	VP. MULTIPLI.	VP. MILIVOLT.	ρ (Ω m)	OBSER.		
3300-3000 W	2700-2400 W	1	3,64			10 x 1.15	17,87			
	2400 2100 W	2	4,18			3 x 1.77	28,73			
	2100 1800 W	3	4,75			3 x 1.11	39,64			
	1800 1500 W	4	6,16			1 x 2.78	51,84	f.a		
	1500 1200 W	5	4,84			1 x 1.29	52,75			
	1200 900 W	6	4,04			1 x 1.05	82,30			
	900 600 W	7	3,79			0,3 x ²⁸⁰ /300	35,09			
3000-2700 W	2400-2100 W	1	4,18			10 x 2.69	36.39			
	2100 1800 W	2	4,78			10 x 1.02	48.27			
	1800 1500 W	3	6,31			3 x 2.31	62.10			
	1500 1200 W	4	4,87			1 x 2.93	68.04			
	1200 900 W	5	4,04			1 x 1.20	58.79			
	900 600 W	6	3,80			0,3 x 1.08	27.00			
	600 300 W	7	4,06			0,3 x ²⁶⁰ /300	30.42			
2100 1800 W	2700 2400 W	1	3,61			10 x 2.74	42.92			
	300 600 E	7	4,81			0,3 x 2.33	67.62			
1800-1500 W	2700-2400 W	2	3,61			3 x 1.93	36.28			
	2400-2100 W	1	4,14			10 x 1.92	26.23			
	300-600 E	6	4,93			0,3 x ²⁴⁰ /300	15.42			
	600 900 E	7	5,32			0,3 x ¹⁶⁰ /300	14.25	f.o.27		
1500-1200 W	2700-2400 W	3	3,61			1 x 1.99	31,17			
	2400-2100 W	2	4,14			3 x 1.84	30.16			
	2100-1800 W	1	4,71			10 x 2.51	30.14			
	300-600 E	5	4,93			0,3 x 2.01	24.21			
	600-900 E	6	5,30			0,3 x ²²⁰ /300	13.14			
	900-1200 E	7	6,00			0,3 x ¹⁴⁰ /300	11.08			

AREA: CUMBAJA
 PERFIL: TC-2-
 DATOS TOMADOS POR: E. LOPEZ - M. ALTAMIRANO - M. BALSECA
 FECHA: 08/02/85
 PAGINA: 2

PROYECTO GEOTERMICO
 "VALLE DE LOS CHILLOS"
 CAMPAÑA DE GEOFISICA
 CONVENIO INE - D.G.G.M.

RX	TX	n	I	VP. RANGE	VP. MULTIPLI.	VP. MILIVOLT.	ρ (Ω m)	OBSER.		
1200-900 W	2700-2400 W	4								
	2400-2100 W	3	4,15			1x3.17	43,20	✓		
	2100-1800 W	2	4,81			3x2.10	29,63	✓		
	1800-1500 W	1	6,47			10x3.09	27,81	-	27.01	
900-600 W	2700-2400 W	5	3,60			0,3x1.58	26,06	✓		
	2400-2100 W	4	4,15			0,3x2.92	23,87	✓		
	2100-1800 W	3	4,82			1x1.95	22,88	✓		
	1800-1500 W	2	6,48			3x2.01	21,05	✓		
	1500-1200 W	1	4,88			10x1.11	12,86	✓		
600-300 W	2700 2400 W	6	3,62			0,3x1.39	36,48	✓		
	2400 2100 W	5	4,15			0,3x2.39	34,19	✓		
	2100 1800 W	4	4,81			1x1.70	39,97	✓		
	1800 1500 W	3	6,44			3x1.41	37,14	✓		
	1500 1200 W	2	4,88			3x2.12	29,48	✓		
	1200 900 W	1	4,04			30x1.12	47,03	✓		
300 W - 0	2700-2400 W	7								
	2400-2100 W	6	4,18			0,3x1.50	34,09	✓		
	2100-1800 W	5	4,85			0,3x3.34	40,89	✓		
	1800-1500 W	4	6,54			1x2.44	42,20	✓		
	1500-1200 W	3	4,33			1x2.57	33,56	✓		
	1200-900 W	2	4,02			10x1.26	70,90	✓		
	900-600 W	1	3,78			10x1.32	19,75	✓		

AREA: CUMBAYA
 PERFIL: TC 2
 DATOS TOMADOS POR: E LOPEZ - M. ALTAMIRANO - M. BALSECA
 FECHA: 11 / 02 / 85
 PAGINA: 3

PROYECTO GEOTERMICO
 "VALLE DE LOS CHILLOS"
 CAMPAÑA DE GEOFISICA
 CONVENIO INE - D.G.G.M.

RX	TX	n	I	VP. RANGE	VP. MULTIPLI.	VP. MILIVOLT.	ρ (Ωm)	OBSER.
0 - 300 E	2400 - 2100 W	7	4,18			0,3 x 1,18	40,23	✓
	2100 - 1800 W	6	4,87			0,3 x 2,70	52,67	✓
	1800 - 1500 W	5	6,56			1 x 1,90	57,32	✓
	1500 - 1200 W	4	4,35			1 x 1,84	47,84	✓
	1200 - 900 W	3	4,02			1 x 3,15	44,31	✓
	900 - 600 W	2	3,80			1 x 2,83	16,85	✓
	600 - 300 W	1	4,07			3 x 3,59	14,96	✓
300 - 600 E	1200 - 900 W	4	4,02			3 x 1,07	30,31	✓
	900 - 600 W	3	3,76			1 x 2,31	34,74	✓
	600 - 300 W	2	4,06			3 x 2,10	3510	✓
	300 W - 0	1	6,12			10 x 3,35	30,95	✓
600 - 300 E	1200 - 900 W	5	4,02			0,3 x 2,83	97,48	41,80 ✓
	900 - 600 W	4	3,67			0,3 x 1,98	38,21	18,31 ✓
	600 300 W	3	4,07			1 x 1,30	40,57	16,74 ✓
	300 W - 0	2	6,12			3 x 1,51	42,50	7,41 ✓
	0 - 300 E	1	5,22			3 x 2,28	24,21	✓
900 - 1200 E	1200 - 900 W	6	4,02			0,3 x 2,83	66,88	✓
	900 600 W	5	3,80			0,3 x 1,98	30,94	✓
	600 - 300 W	4	4,10			1 x 1,30	35,86	✓
	300 W - 0	3	6,16			3 x 1,51	41,53	✓
	0 - 300 E	2	5,30			3 x 2,28	29,19	✓
	300 - 600 E	1	4,80			10 x 1,86	21,91	✓

*These numbers
are copied wrong*

AREA: CUMBAYAPERFIL: TC 2DATOS TOMADOS POR: E Lopez - M Altamirano - M. BalseraFECHA: 11 / 02 / 85PAGINA: 4

PROYECTO GEOTERMICO
"VALLE DE LOS CHILLOS"
CAMPAÑA DE GEOFISICA
CONVENIO INE - D.G.G.M.

RX	TX	n	I	VP. RANGE	VP. MULTIPLI.	VP. MILIVOLT.	ρ (Ω m)	OBSER.		
1200-1500E	1200-900 W	7	4.02			0,3x1.66	58.84	✓		
	900 600 W	6	3.80			0,3x1.13	28.25	✓		
	600 300 W	5	4.11			0,3x2.24	32.36	✓		
	300 W 0	4	6.20			1x2.30	41.96	✓		
	0 300E	3	5.32			1x2.94	31.25	✓		
	300-600E	2	4.80			3x2.55	36.05	✓		
	600-900E	1	5.90			10x1.82	17.44	✓		
1500-1800E	900-600 W	7								
	600-300 W	6	3.47			1x160/300	48.67	✓		
	300 W - 0	5	6.20			1x1.98	63.21	✓		
	0 - 300E	4	5.25			1x2.36	52.84	✓	60.84	
	300-600E	3	4.84			3x1.31	45.92	✓		
	600-900E	2	5.27			3x2.34	30.13	✓		
	900-1200E	1	5.96			10x2.31	21.92	✓		
1800-2100E	600-300 W	7	3.52			0,3x1.01	40.83	✓		
	300 W - 0	6	6.24			1x1.33	67.50	✓		
	0 - 300E	5	5.26			1x1.54	57.95	✓		
	300-600E	4	4.24			0,3x3.55	28.41	✓		
	600E-900E	3	5.18			1x1.78	19.43	✓		
	900-1200E	2	5.90			3x1.46	16.73	✓		
	1200-1500E	1	5.00			3x3.2	10.59	✓		
2100-2400E	300 W - 0	7								
	0 - 300E	6								
	300-600E	5	4.72			03x2.56	31.88	✓	32.20	
	600-900E	4	5.21			1x1.17	25.40	✓		
	900 1200E	3	5.94			1x2.31	21.93	✓		
	1200-1500E	2	5.02			3x1.24	16.76	✓		
	1500-1800E	1	3.60			10x1.12	17.53	✓		

Eumbaco - Cumbaya

TC-9

RECORRIDOS POR:
 FECHA: 05.05.17
 PAGINA: 1

CARRERA GEOFISICA
 CONVENIO I.E. - D.G.G.M.

Rx	Tx	n	V	I	Po	Observaciones
15-18S	6-9S	2	3x2.10	4.61	30.91	
	9-12S	1	10x1.83	4.52	22.89	
18.				4.63	44.09	
				4.52	35.43	
				3.33	32.79	
21				4.22	52.26	
				4.53	38.57	
				3.32	40.27	
2				4.24	60.22	
				4.57	50.98	
				3.36	54.53	
				3.34	24.72	
				5.10	3.99	
				5.83	4.53	
				4.55	3.48	
				5.53	35.79	
				5.85	32.48	
				4.56		
15-12N	6-9S	6	0.3x20/300	5.14	1.23	
	9-12S	7	3x20/300	4.58	20.74	
18-15	6-9S	7				
	16-0S		BS.			
18-15N	6-3N	3	3x ²⁰⁰ /300	4.42	25.59	Power Gines
	3-0N	4	3x ¹⁰⁰ /300	5.85	19.33	
	0-3S	5	0.3x ⁶⁰ /300	5.07	2.34	
	3-6S	6	0.3x ⁴⁰ /300	4.11	3.08	
15-12	6-3N	2	3x3.83	4.41	52.93	Power Gines.
	3-0N	3	3x1.29	5.74	38.13	
	0-3S	4	3x ¹⁸⁰ /300	4.64	43.87	
	3-6S	5	3x ⁸⁰ /300	4.10	38.62	
12-9	6-3N	1	10x3.61	4.40	46.40	
	3-0N	2	3x2.51	5.55	30.69	
	0-3S	3	1x3.07	4.72	36.78	
	3-6S	4	1x1.30	4.15	35.43	
9-6N	3-0	1	10x2.40	5.60	24.24	
	0-3S	2	3x2.31	4.76	32.93	
	3-6S	3	1x1.97	4.18	26.65	
6-3N	0-3S	1	30x1.31	4.71	47.18	
	3-6S	2	3x1.69	3.55	32.30	
3N-0	3-6S	1	10x1.90	3.55	30.27	
6-9S	6-3N	3	0.3x2.38	4.47	9.03	
	3-0N	2	1x1.73	5.65	6.93	
	0-3S	1	3x2.17	4.66	7.90	
9-12S	6-3N	4	0.3x ²⁴⁰ /300	4.43	6.13	
	3-0N	3	0.03x1.05	5.64	3.16	
	0-3S	2	1x2.18	5.30	9.30	
	3-6S	1	3x1.85	4.18	7.51	



Rx	Tx	n	V	I	fo	Observaciones
15-18S	6-9S	2	3x2.10	4.61	30.91	
	9-12S	1	10x1.83	4.52	22.89	
18-21S	6-9S	3	1x3.61	4.63	44.09	
	9-12	2	3x2.36	4.52	35.43	
	12-15	1	10x1.99	3.33	32.79	
21-24S	6-9S	4	1x1.95	4.22	52.26	
	9-12	3	3x1.03	4.53	38.57	
	12-15S	2	3x1.97	3.32	40.27	
24-27S	6-9S	5	1x1.29	4.24	60.22	
	9-12	4	1x2.06	4.57	50.98	
	12-15S	3	3x1.08	3.36	54.53	
6-9S	12-15S	1	10x1.46	3.34	24.72	
9-6N	6-9S	4	0.3x180/300	5.10	3.99	
	9-12	5	0.5x80/300	5.83	4.53	
	12-15S	6	0.3x50/300	4.55	3.48	
12-9N	6-9S	5	3x100/300	5.53	35.79	
	9-12	6	3x60/300	5.85	32.48	
	12-15S	7	—	4.56	—	
15-12N	6-9S	6	0.3x20/300	5.14	1.23	
	9-12S	7	3x20/300	4.58	20.74	
18-15	6-9S	7	—	—	—	
	16-0S	—	—	—	—	
18-15N	6-3N	3	3x ²⁰⁰ /300	4.42	25.59	Power Gines
	3-0N	4	3x ¹⁰⁰ /300	5.85	19.33	
	0-3S	5	0.3x ⁶⁰ /300	5.07	2.34	
	3-6S	6	0.3x ⁴⁰ /300	4.11	3.08	
15-12	6-3N	2	3x3.83	4.41	52.93	Power Gines.
	3-0N	3	3x1.29	5.74	38.13	
	0-3S	4	3x ¹⁸⁰ /300	4.69	43.87	
	3-6S	5	3x ⁸⁰ /300	4.10	38.62	
12-9	6-3N	1	10x3.61	4.40	46.40	
	3-0N	2	3x2.51	5.55	30.69	
	0-3S	3	1x3.07	4.72	36.78	
	3-6S	4	1x1.30	4.15	35.43	
9-6N	3-0	1	10x2.40	5.60	24.24	
	0-3S	2	3x2.31	4.76	32.93	
	3-6S	3	1x1.97	4.18	26.65	
6-3N	0-3S	1	30x1.31	4.71	47.18	
	3-6S	2	3x1.69	3.55	32.30	
3N-0	3-6S	1	10x1.90	3.55	30.27	
6-9S	6-3N	3	0.3x2.38	4.47	9.03	
	3-0N	2	1x1.73	5.65	6.93	
	0-3S	1	3x2.17	4.66	7.90	
9-12S	6-3N	4	0.3x ²⁴⁰ / ₃₀₀	4.43	6.13	
	3-0N	3	003x1.05	5.64	3.16	
	0-3S	2	1x2.18	5.30	9.30	
	3-6S	1	3x1.85	4.18	7.51	

MESSAGE # 906
RCV LN 1

UNIV UTAH SLC

2991 INE ED

TLX 062-02-27-85

-ATT DR. MIKE WRIGHT
RESEARCH INSTITUTE EARTH SCIENCE LABORATORY

FIELD DATA TC-1 ARE AS FOLLOWS

RX 4200-3900 W	TX 3300-3000 W	N 2	V 3X3.04	I 5.28	RHO 39.07	✓
	3000-2700 W	3	3X1.98	7.35	45.70	✓
	2700-2400 W	4	1X2.17	5.13	47.84	✓
	2400-2100 W	5	1X1.01	4.63	43.17	✓
	2100-1800 W	6	0.3X1.06	3.81	16.51	✓
	1800-1500 W	7	0.3X1.52	5.20	27.77	✓
RX 3900-3600 W	TX 3300-3000 W	1	10X3.21	5.31	34.18	✓
	3000-2700 W	2	10X1.66	7.37	50.94	✓
	2700-2400 W	3	3X1.64	5.12	54.34	✓
	2400-2100 W	4	1X2.17	4.64	52.89	✓
	2100-1800 W	5	0.3X260/300	3.82	13.46	✓
	1800-1500 W	6	0.3X3.68	5.16	67.79	✓
	1500-1200 W	7	0.3X160/300	4.98	15.26	✓
RX 3000-2700 W	TX 3600-3300 W	1	30X2.23	4.68	80.83	✓
	600-300 W	7	0.3X120/300	3.33	17.11	✓
RX 2700-2400 W	TX 3600-3300 W	2	10X1.82	4.52	91.08	✓
	3300-3000 W	1	30X 2.01	5.25	64.95	✓
	600-300 W	6	0.3X160/300	3.33	15.21	✓
	300-0 W	7	0.3X140/300	5.07	13.11	✓
RX 2400-2100 W	TX 3600-3300 W	3	3X2.11	4.63	77.31	✓
	3300-300 W	2	10X1.56	5.28	66.83	✓
	3000-2700 W	1	30X2.42	7.38	55.53	✓
	600-300 W	5	0.3X 1.20	3.33	21.39	✓
	300-0 W	6	0.3X1.05	5.08	19.63	✓
	0-300 E	7	0.3X180/300	4.26	20.07	✓
RX 2100-1800 W	TX 3600-3300 W	4	3X1.00	4.65	72.96	✓
	3300-3000 W	3	3X2.05	5.25	66.24	✓
	3000-2700 W	2	10X2.14	7.36	65.77	✓
	2700-2400 W	1	30X1.81	5.12	59.97	✓
RX 1500-1200 W	TX 3600-3300 W	6	0.3X1.42	4.71	28.64	✓
	3300-3000 W	5	0.3X2.41	5.29	27.04	✓
	3000-2500 W	4	1X1.91	7.40	29.19	✓
	2700-2400 W	3	1?2X2.77	5.16	30.35	✓
	2100-1800 W	1	1X1.99	3.83	2.93	✓
RX 1200-900 W	TX 3300-3000 W	6	0.3X80/300	5.30	4.78	✓
	3000-2700 W	5	0.3X100/300	7.43	2.66	✓
	2700-2400 W	4	1X1.04	5.21	22.57	✓

Log # 1109
Ept. 524.3422

rejection checked

26.43
41.65

	300-600E	4	1X1.17	4.65	28.45 ✓
	600-900E	3	1X1.54	3.87	22.50 ✓
RX2100-2400E TX	300-0 W N	7 V	0.3X160/300	UI 5.21	RHO 14.07 ✓
	0-300 E	6	0.3X1.54	4.37	3.87 ← 33.48
	300-600E	5	0.3X3.25	4.65	41.49 ✓
	600-900E	4	1X1.10	3.89	31.98 ✓

PLS CONFIRM RECEPTION BY TLX

RGDS

M LOPOUKHINE

PLS NOTE CORRECT VALUES

RX 2400-2100 W TX 3300-3000 W N2 V 10X1.56 I 5.28 PHO 66.83

RX 1500-1200 W TX 3000-2700 W N 4 V 1X1.91 I 7.40 RHO 29.19

RX 1500-1200 W 2700-2400W N3 V 1X2.77 I 5.16 RHO 30.35

2991 INE ED

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DURATION 1240 SECS LISTED 14:03 ??? 02/28/85

