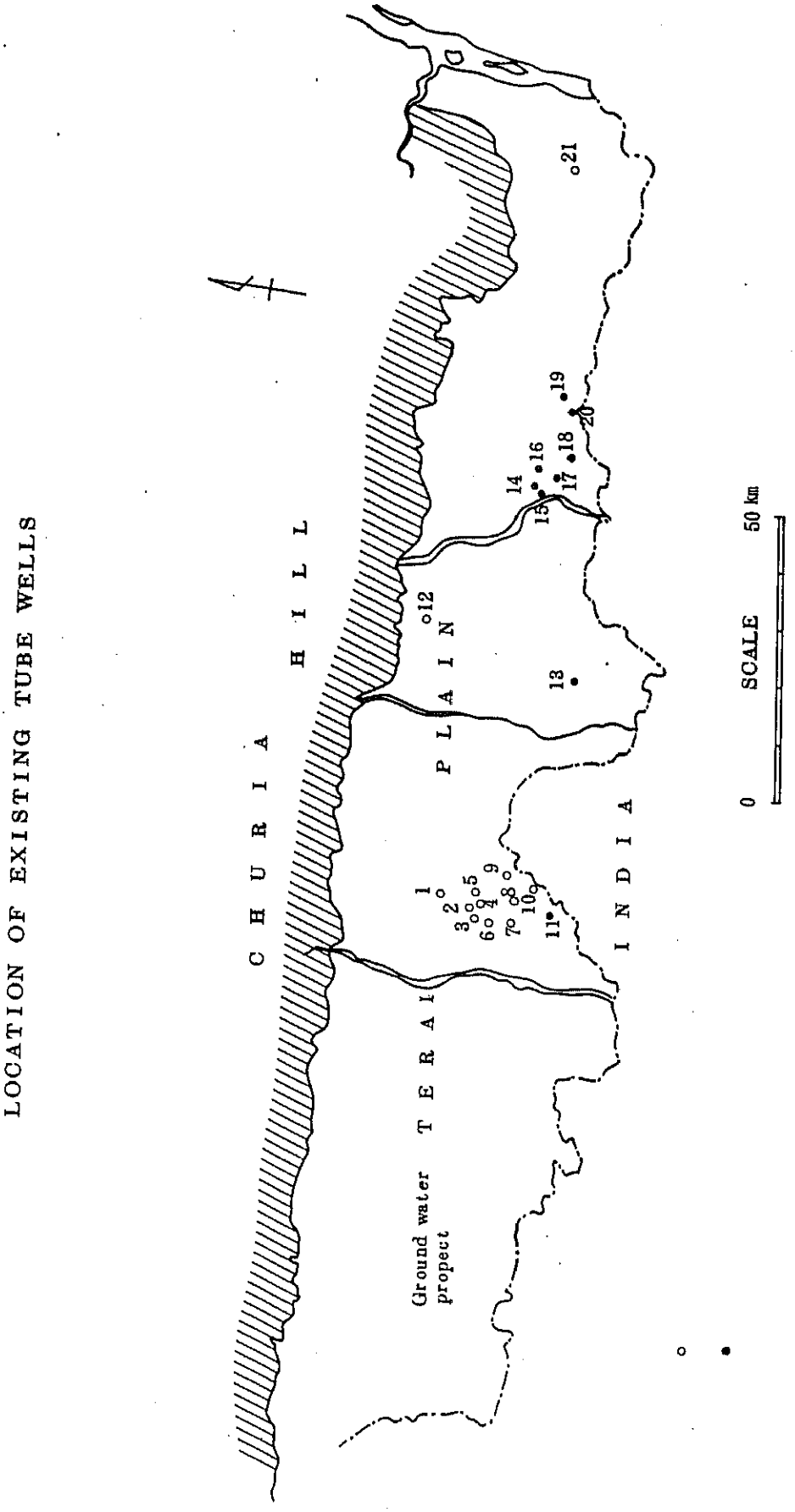
資料 h. 深井戸柱状図集及び位置図



HYDROGEOLOGICAL MAP OF JANAKPUR ZONE

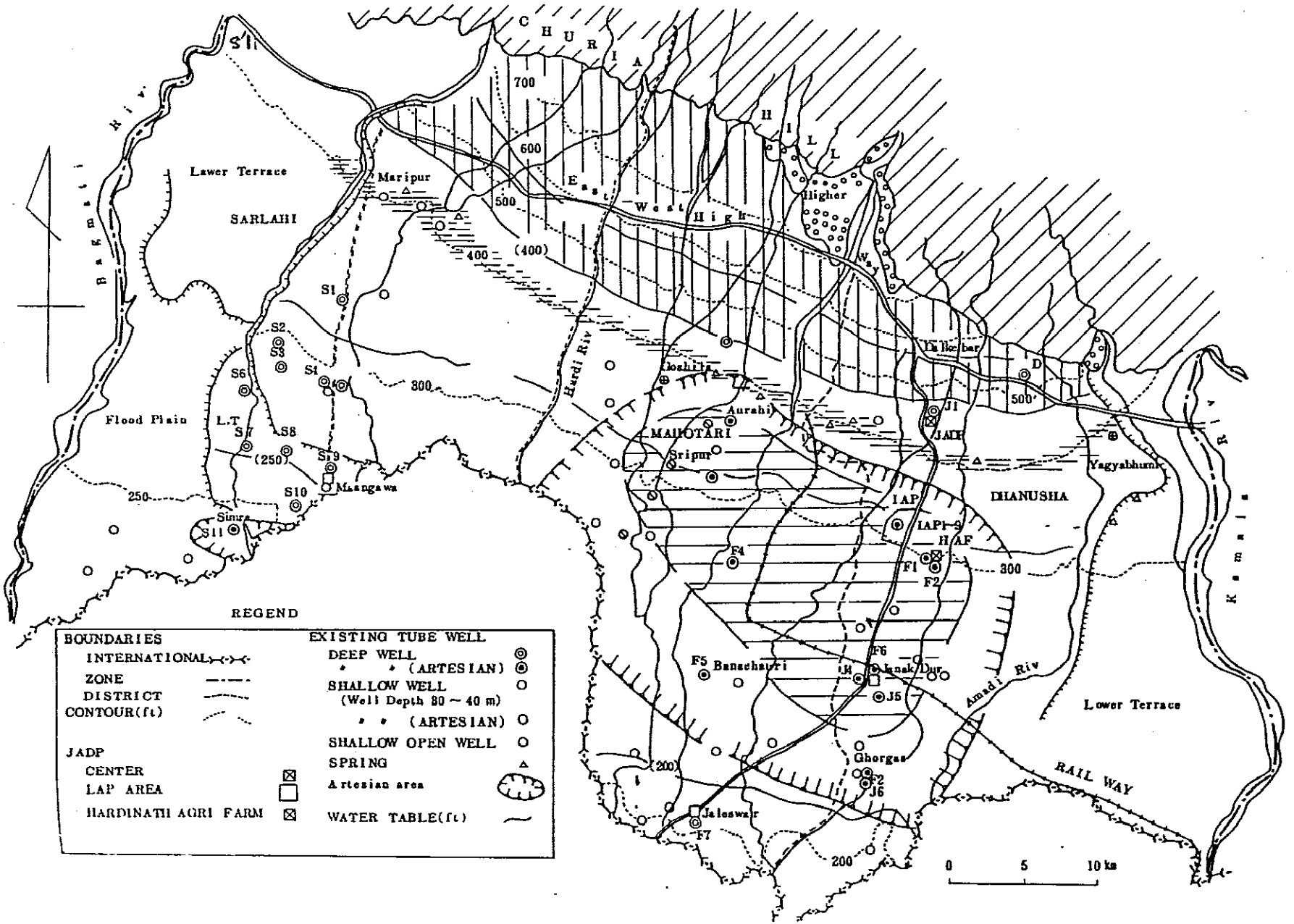
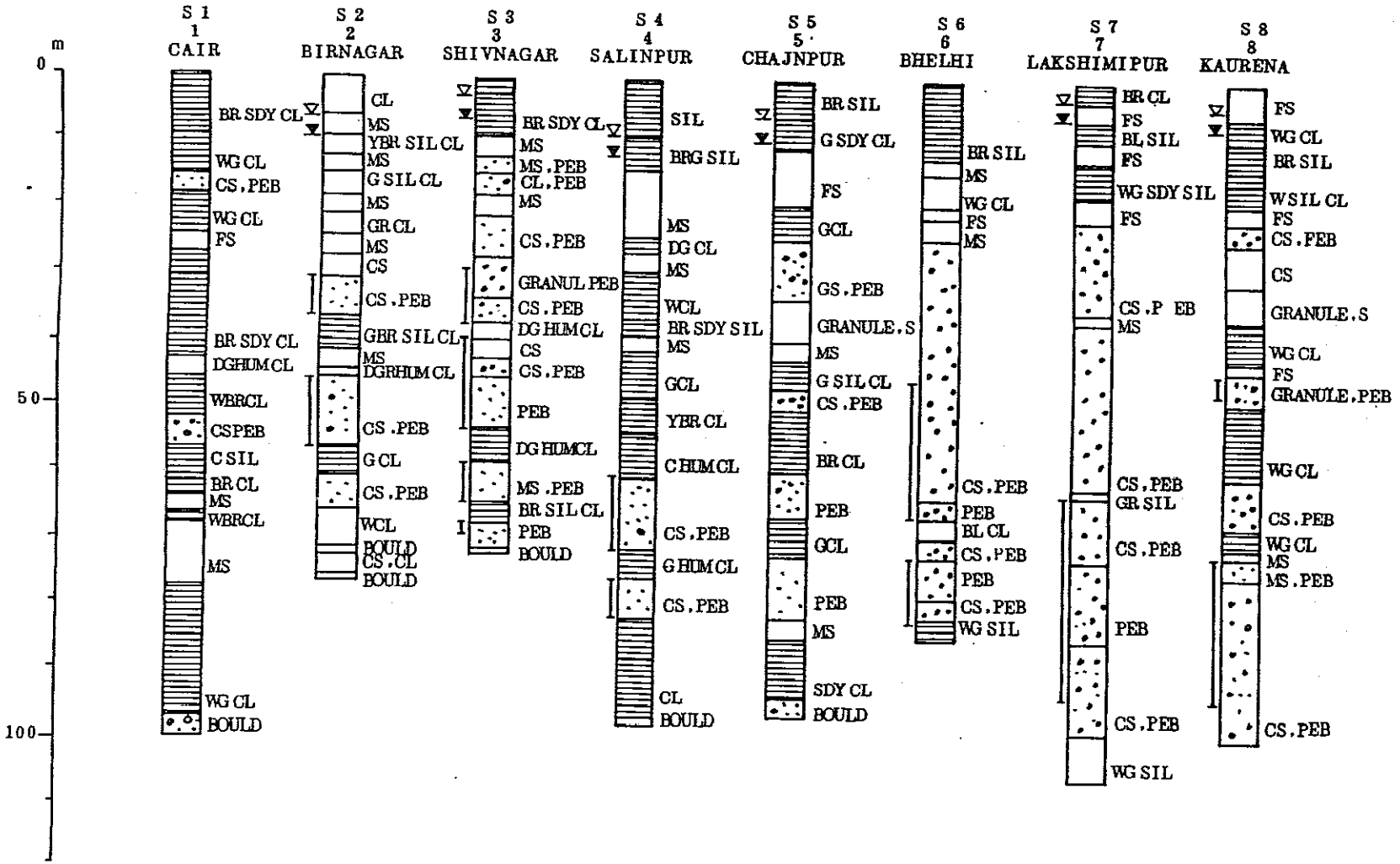


Table 2. Pump-test data on existing tube wells

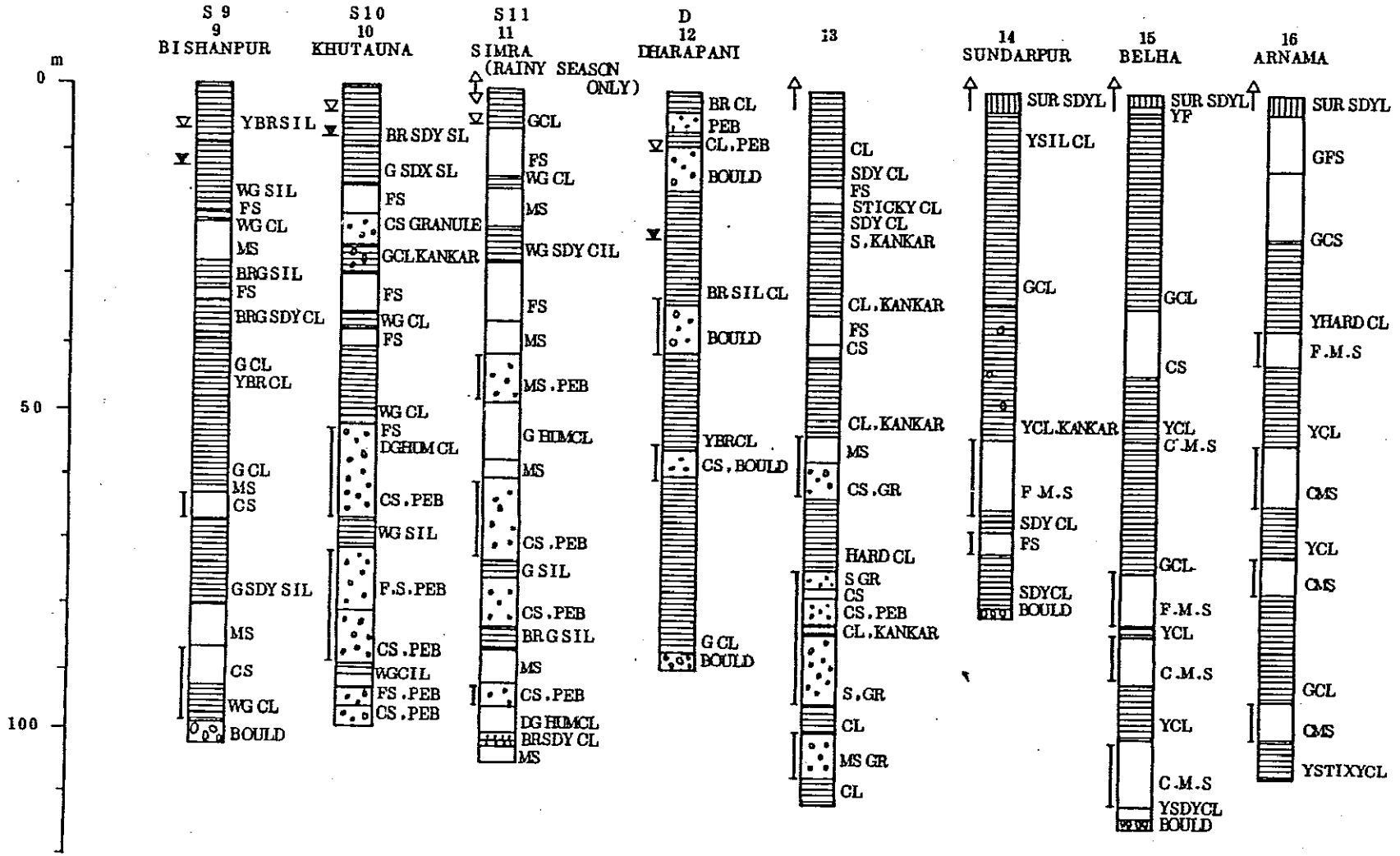
Well No.	Location	Diameter (mm)	Depth (m)	N.W.I. (m)	Drawdown (m)	Discharge (m³/d)	Discharge (l/sec)	Specific capacity (m³/d/m)	Transmissivity (m³/day)
(1)	Cair	200	101						
(2)	Birnagar	200	77	6.40	3.35	5,750	66.6	1,720	1,170
(3)	Shvinagar	200	73	3.35	3.05	6,150	71.2	2,020	2,580
(4)	Chainpur	200	98	6.10	3.66	6,320	73.1	1,730	2, 90
(5)	Salimpur	200	99	9.14	4.88	4,570	52.9	936	1,200
(6)	Bhelhi	200	85						
(7)	Hakahmipur	200	107	2.74	3.05	6,950	80.4	2,280	3,060
(8)	Kaurena	200	101	4.27	3.05	5,930	68.6	1,940	2,485
(9)	Dishampur	200	104	7.32	5.49	3,820	44.2	700	900
(10)	Khutauna	200	101	4.27	3.66	5,670	65.6	1,550	2,020
(11)	Simra	200	107	+2.13	3.05	6,670	77.2	2,190	2,930
(12)	Dharapani	200	96	15.0	14.63	120	1.4	80	100
13	Janakpur	200	119	artesian	—	—	—	—	
(14)	Sundarpur	200	87	〃	15.2	1,120	13.0	70	90
(15)	Belha	200	122	〃	25.9	1,150	13.3	44	60
(16)	Arnama	200	114	〃	16.76	2,840	32.9	170	230
(17)	Thengi	200	138	〃	14.94	3,900	45.1	260	360
(18)	Sanaita	200	132	〃	13.72	2,560	29.6	190	250
19	Shripur	200	—	〃	—	—	—	—	—
20	Bariyarpatti	200	132	〃	5.79	5,700	66,0	980	1,320

資料Ⅳ　現存深井戸の地質柱状図

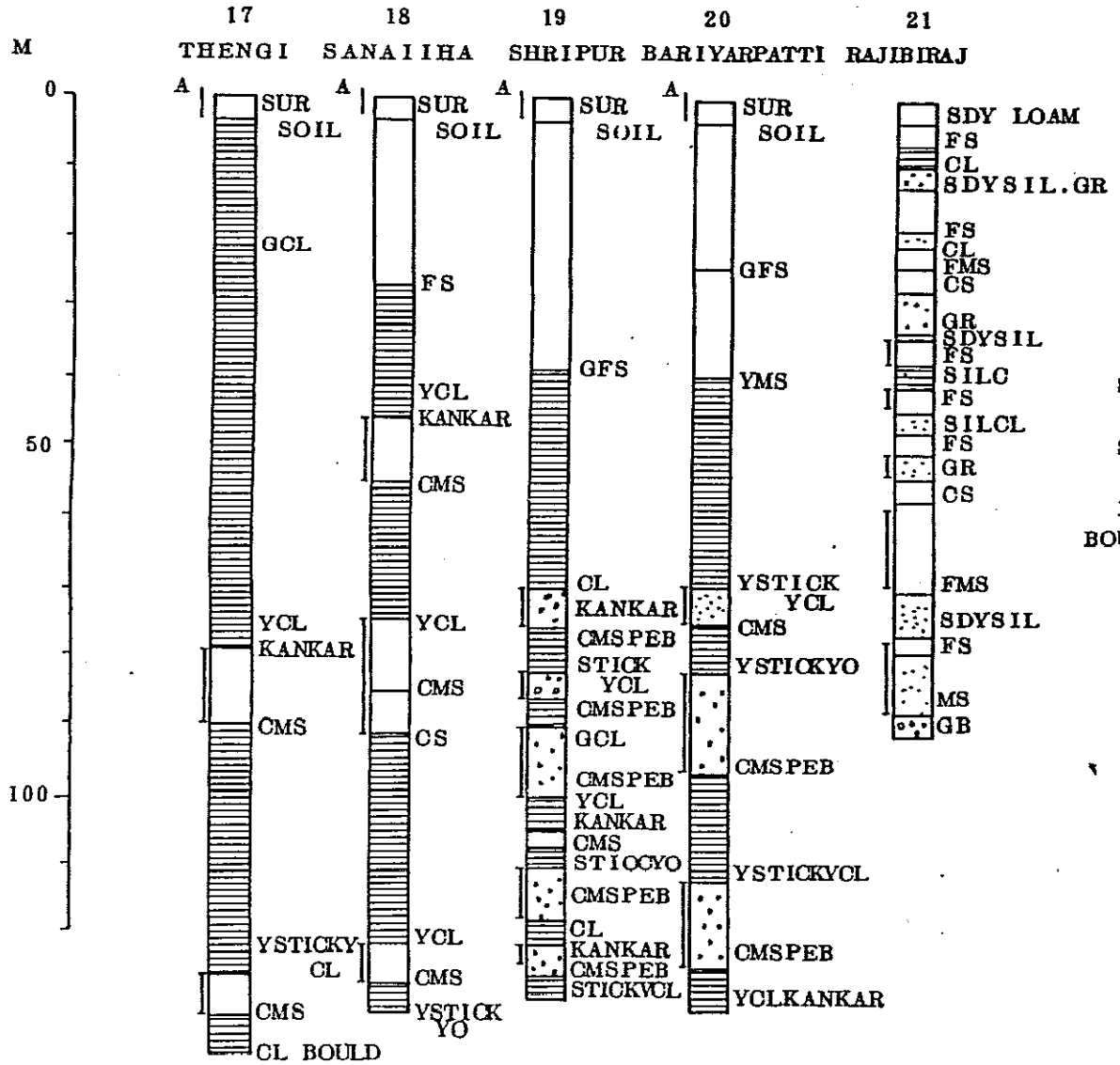
LITHOLOGICAL LOGS OF EXISTING TUBE WELLS (1)



LITHOLOGICAL LOGS OF EXISTING TUBE WELLS (2)



LITHOLOGICAL LOGS OF EXISTING TUBE WELLS (3)



LEGEND

CL — CLAY
STL — SILT.SILTY
S — SAND
SDY — SANDY
GR — GRAVEL
PEB — PEBBLE
BOULD — BOULDER

BL — BLACK
BR — BROWN
G — GRAY
W — WHITE
Y — YELLOW

F — FINE
M — MEDIUM
C — COARSE

T — TRANSMISSIBILITY(IN M^2/DAY)
R — RADIUS OF INFLLENCE(IM M)
O — ARTESIAN DISCHARGE(IN GPH)

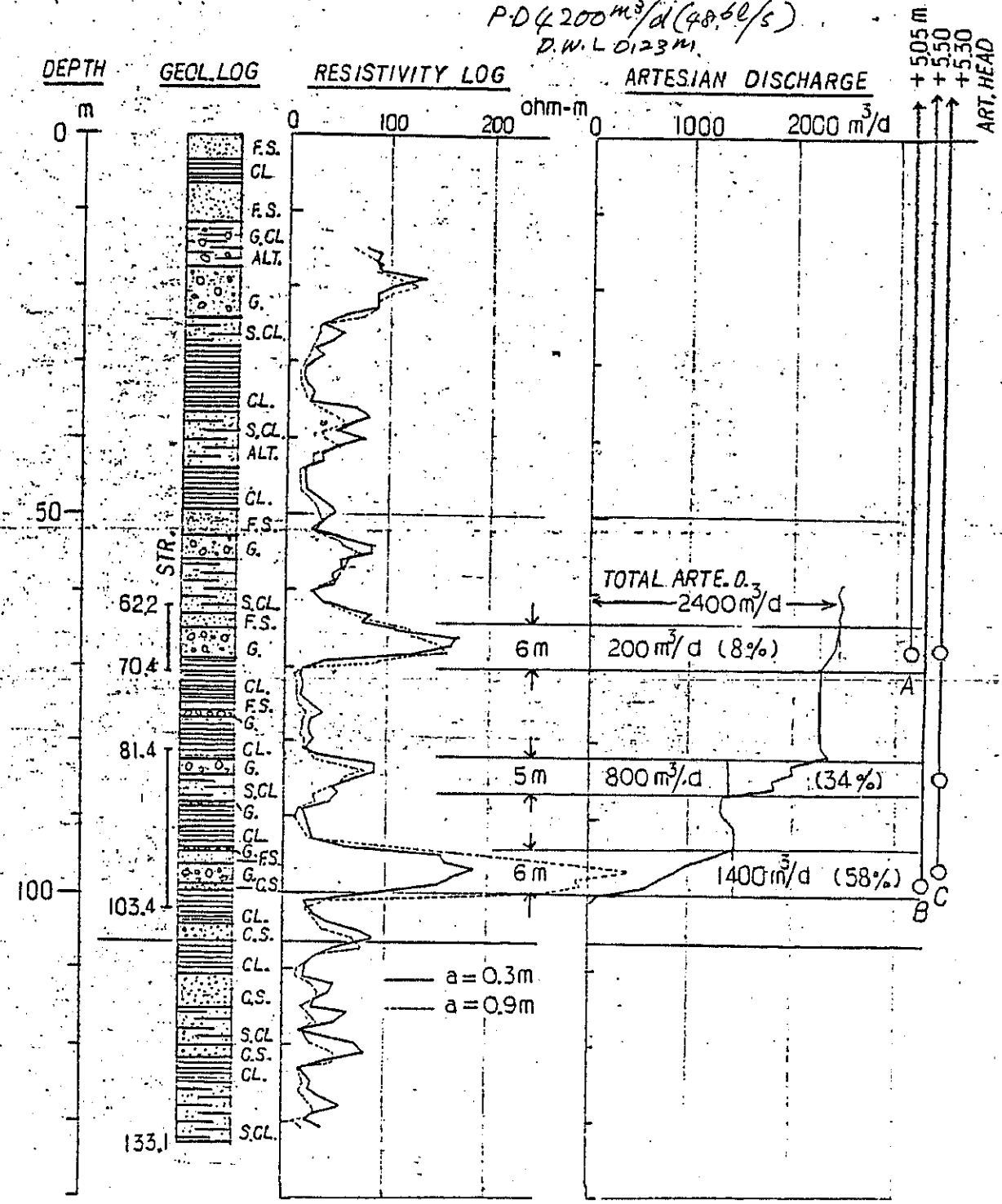
— NATURAL WATER LEVEL
— RUNHING WATER LEUEL
— ARTESIAN

— STRAINER

NO. 1 TEST WELL
(FAO 1)

HARUOINATH PILOT FARM, TERAI, NEPAL

P.D 4200 m³/d (48.6 l/s)
D.W.L 0.23 m.

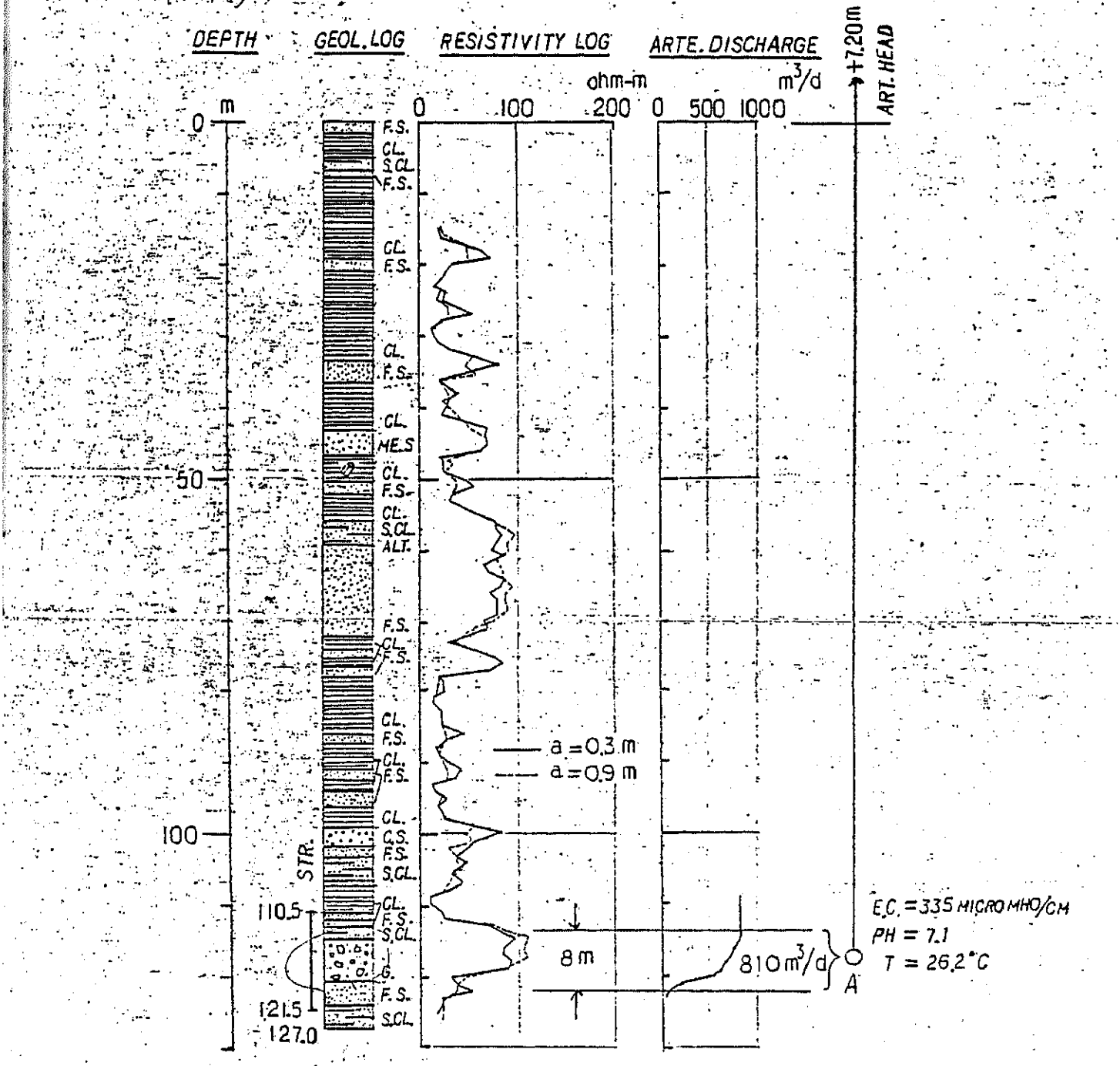


	E.C.(micro mho/cm)	PH	T
A :	215	6.7	25.5 °C
B :	145	6.2	23.8
C :	163	6.6	25.2

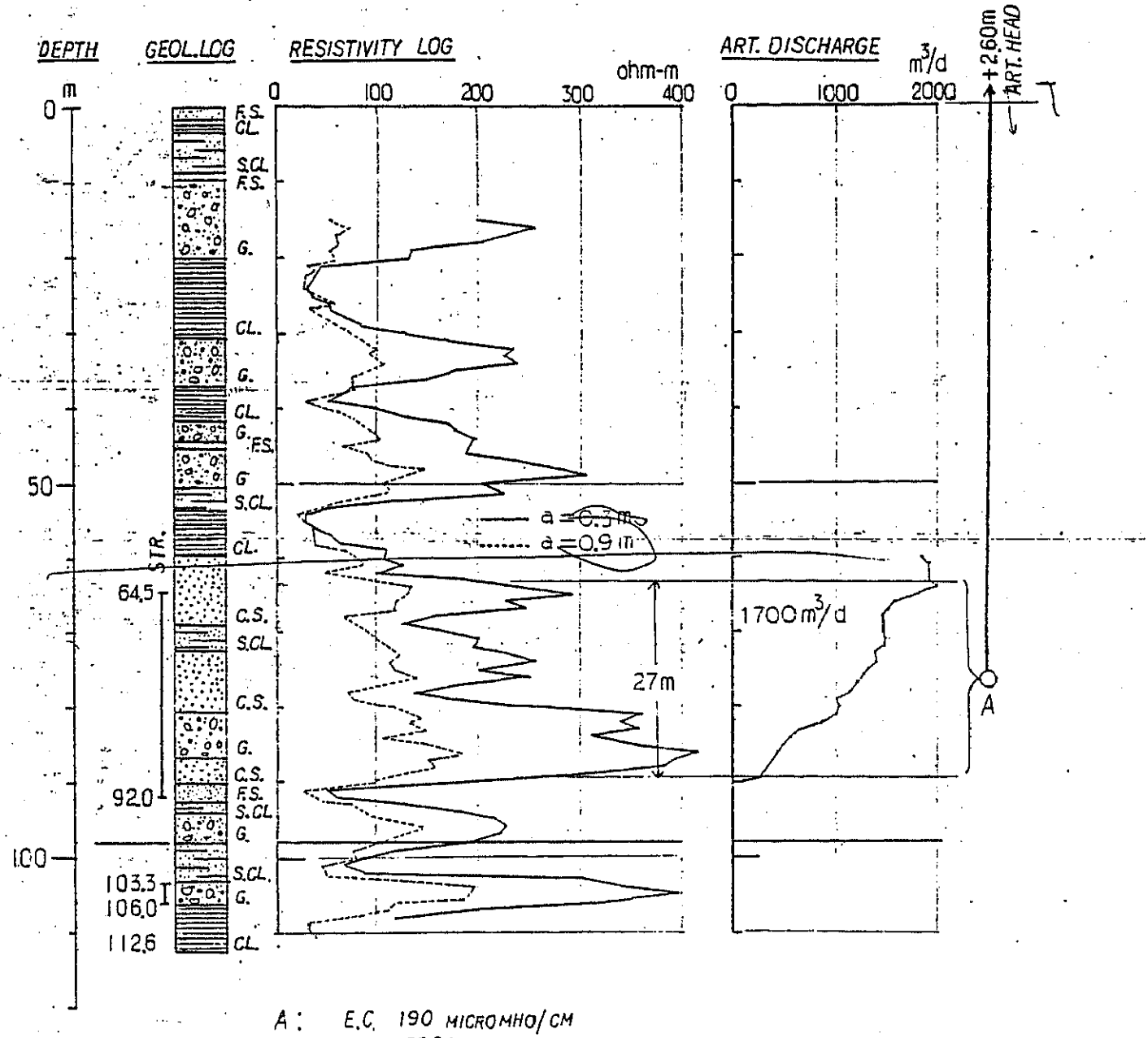
NO. 2 TEST WELL (FAD 2)

P.D 3710 m³/d (42.9 l/s). DWL -9.91 m

GHORGAS, TERAI, NEPAL



NO. 3 TEST WELL (THA03) P.D 4094 m³/d (47.4 ℓ/s). DWL-4.10 m
AURHI, TERAI, NEPAL 611 m³/d/m.

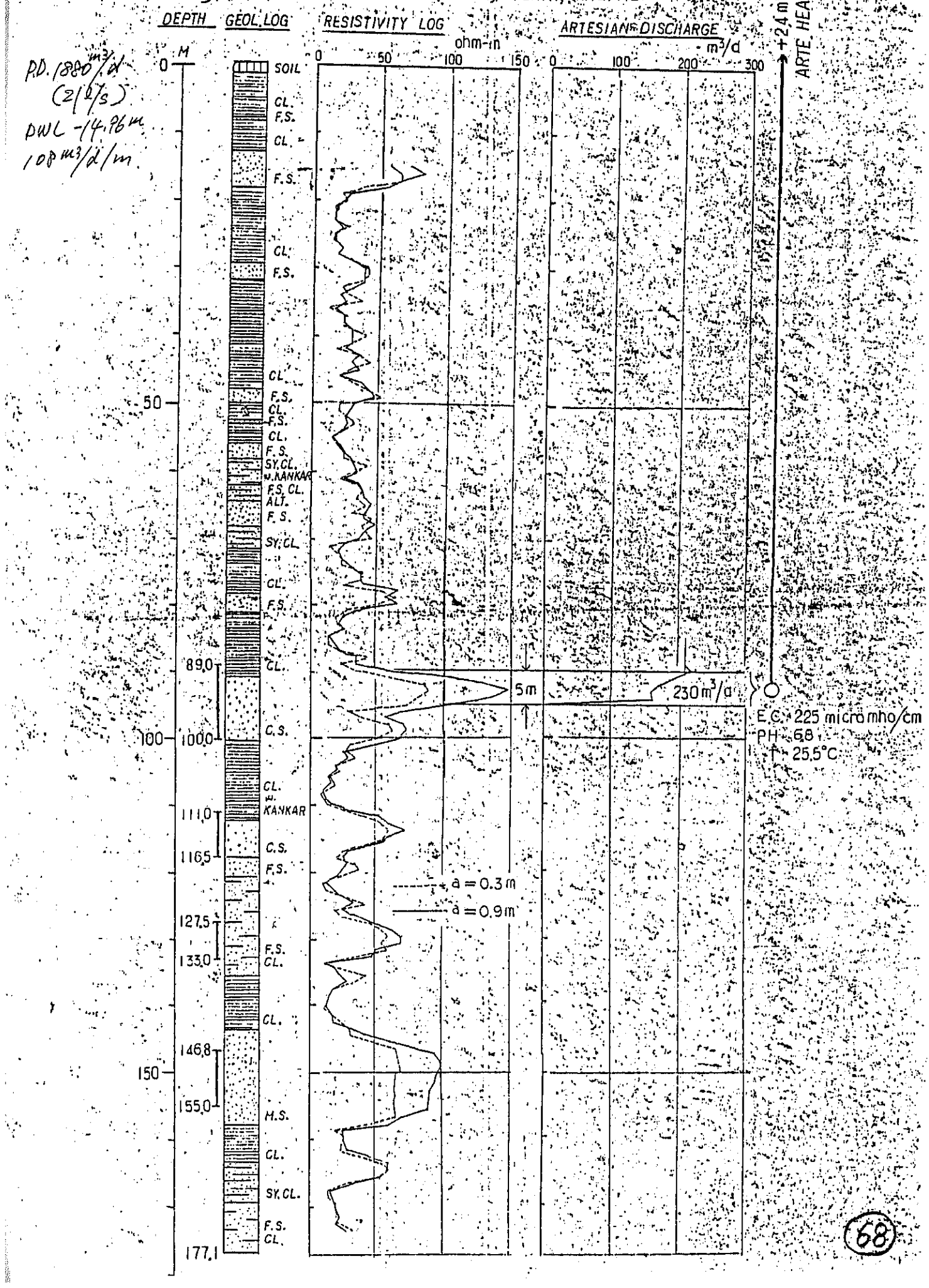


A : E.C. 190 MICROMHO/CM
T. 26.2 °C

NO. 5 TEST WELL

(FAO 5)

HARIGURGAMA, TERAI, NEPAL



P.D. 1880 m³/d
(21.8 l/s)
PWL -14.96 m
108 m³/d/m

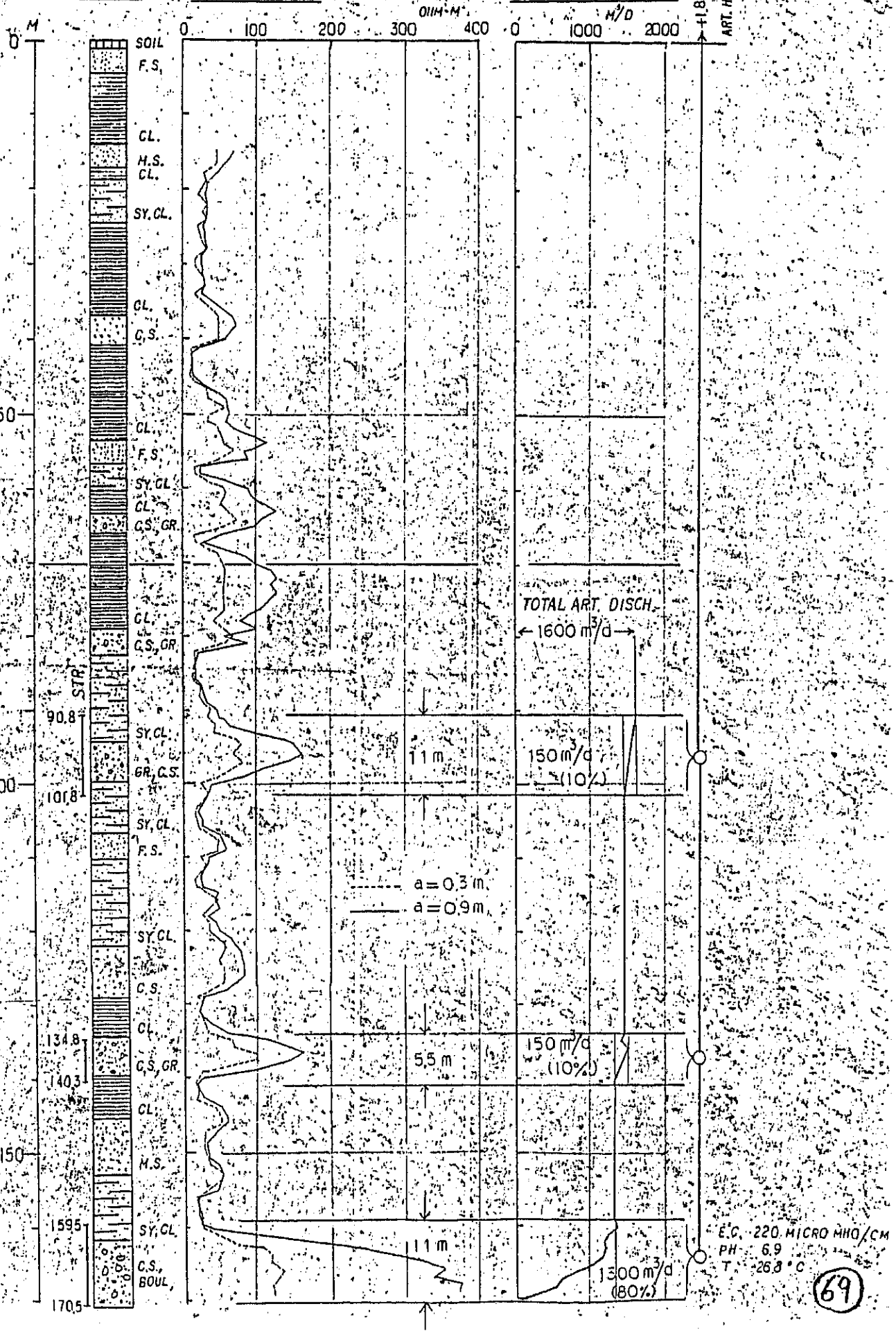
68

NO. 6 TEST WELL

(FAD 6) JANAKPUR, TERAI, NEPAL

P.D 4090 m³/d (47.3 l/s) S/8 m³/d/m

DWL – 6.10 M



69

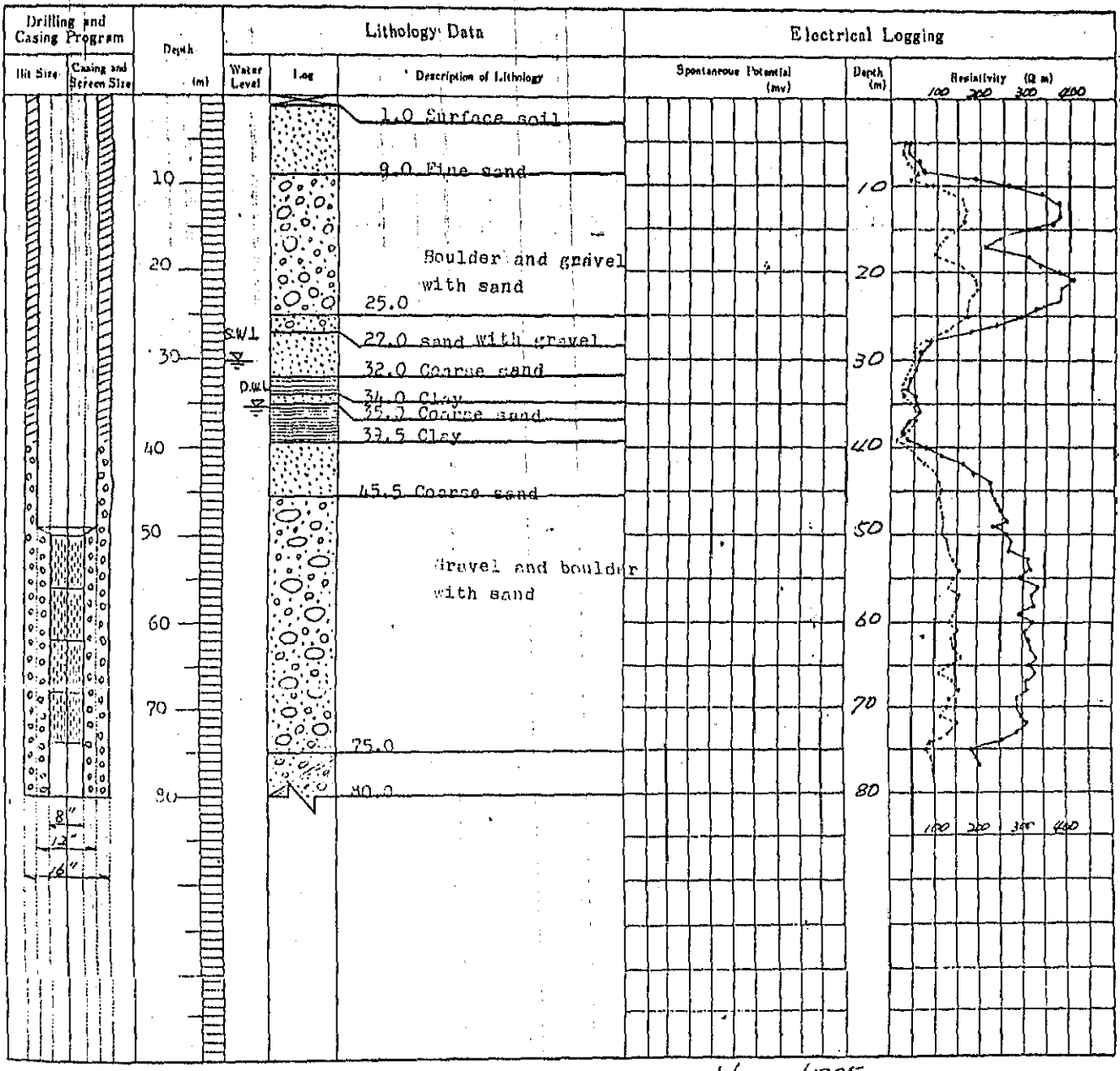
S-1
(1)-1

WELL LOG

Data No.

PROJECT NAME	Drilling of Tubewell Boring in Karmaiya	WELL NO.	1
AREA AND LOCATION	Site of Karmaiya Water Supply Project, Sarlahi, Janakpur		
ELEVATION	m	LATITUDE	LONGITUDE
TOTAL DEPTH	80.00 m	DRILLING RIG	KTK-300 Percussion Rig
DRILLING STARTED	July 10th 1985	DRILLED BY	T. TANABE
WELL COMPLETED	Nov. 6th 1985	LOGGED BY	K. TOKUDA

STATIC WATER LEVEL	30.30 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	35.30 m	CONDUCTIVITY	μ℧/cm
PUMPING RATE	ℓ/min (m³/d)	pH	
SPECIFIC CAPACITY	742.464 m³/d/m	TOTAL HARDNESS	



Nov 10/1985

(70)

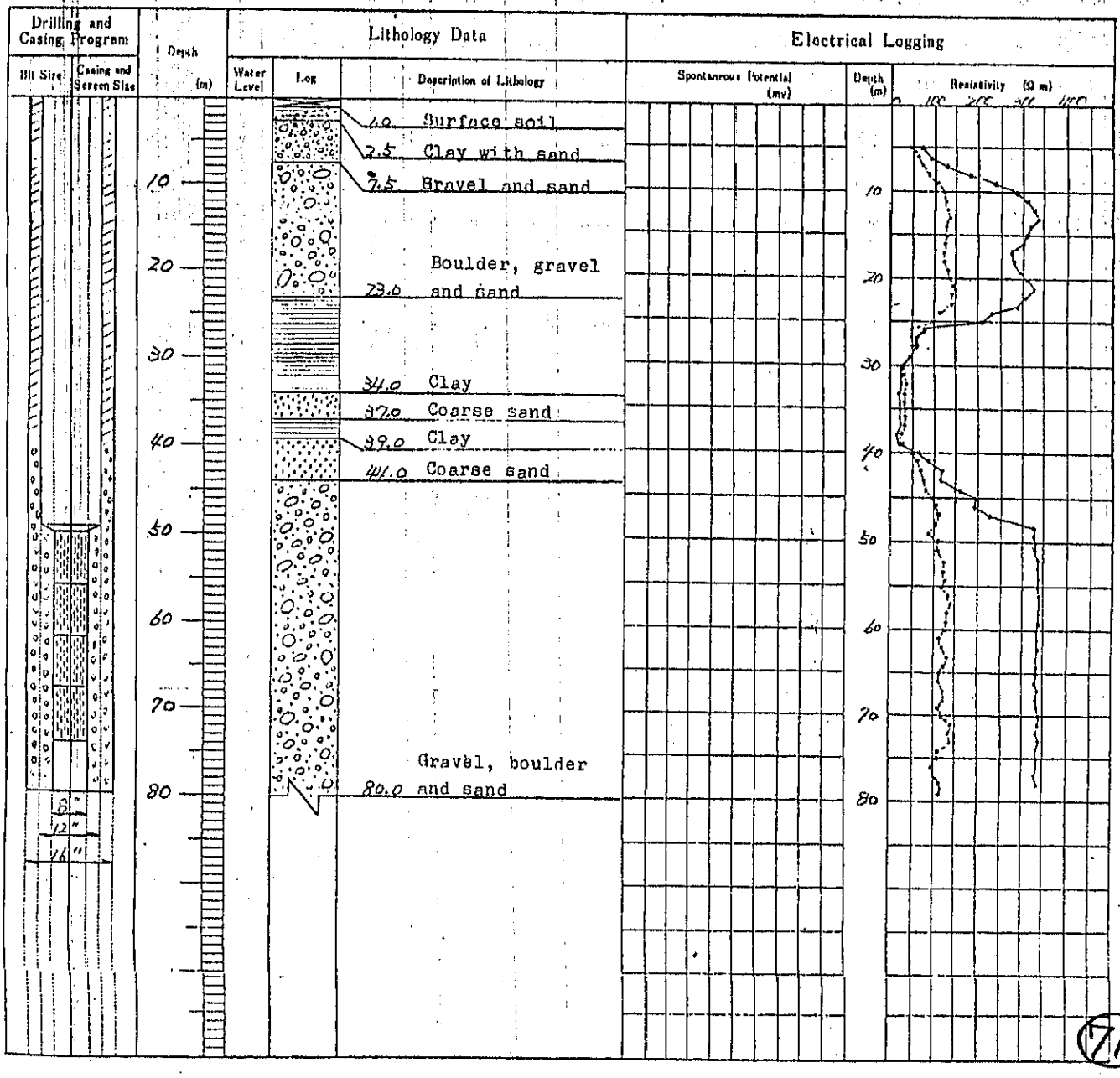
(1)-2

WELL LOG

Data No.

PROJECT NAME	Drilling of Tubewell Boring in Karmaiya	WELL NO.	2
AREA AND LOCATION	Site of Karmaiya Water Supply Project, Sarlahi, Janakpur		
ELEVATION	m	LATITUDE	LONGITUDE
TOTAL DEPTH	80.00 m	DRILLING RIG	KTK-300 Percussion Rig
DRILLING STARTED	Nov. 10th 1985	DRILLED BY	T. TANABE
WELL COMPLETED	Jan. 9th 1985	LOGGED BY	T. MIZUI

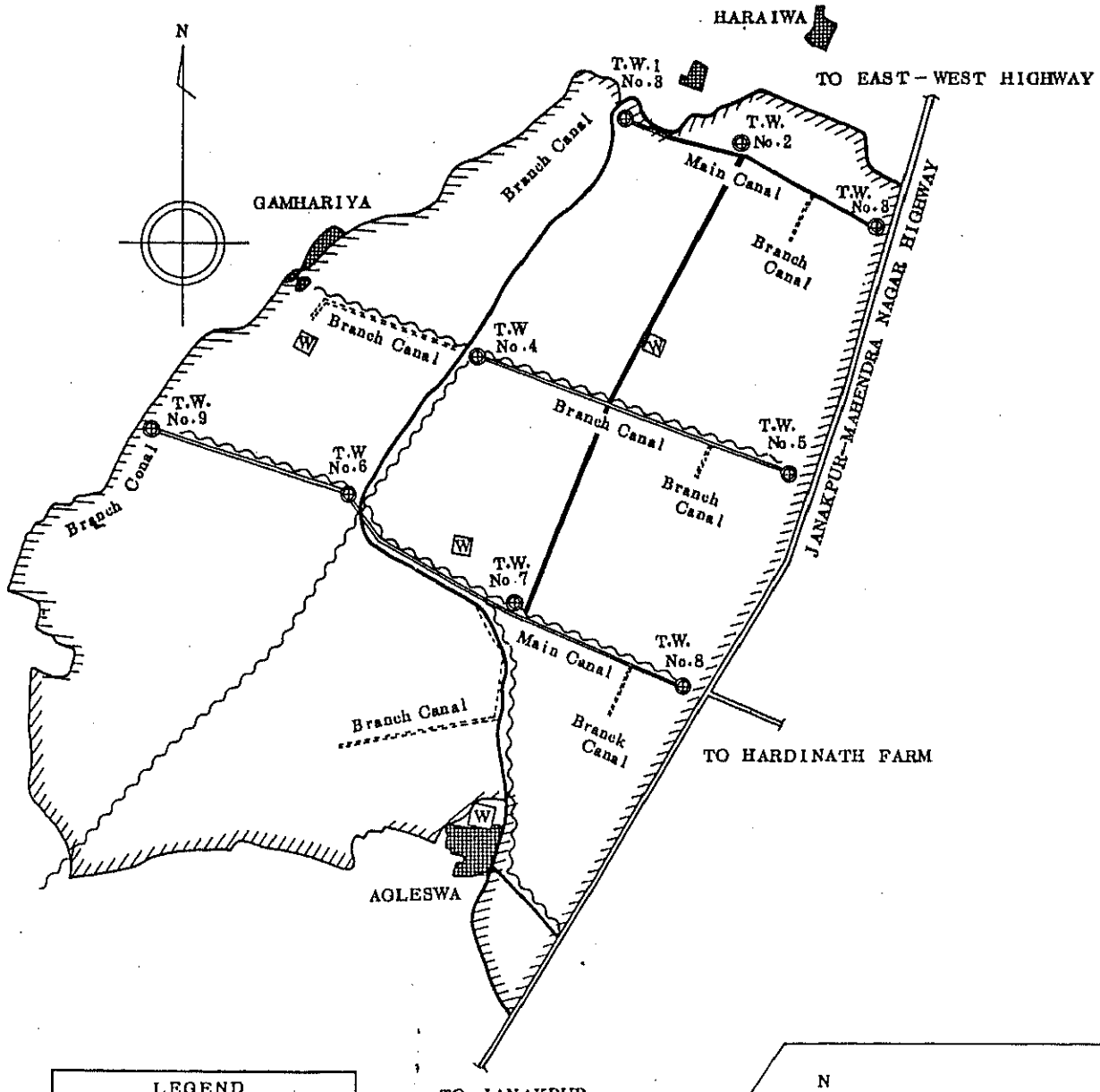
STATIC WATER LEVEL	m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	m	CONDUCTIVITY	μ℧/cm
PUMPING RATE	l/min (m³/d)	pH	
SPECIFIC CAPACITY	m³/d/m	TOTAL HARDNESS	



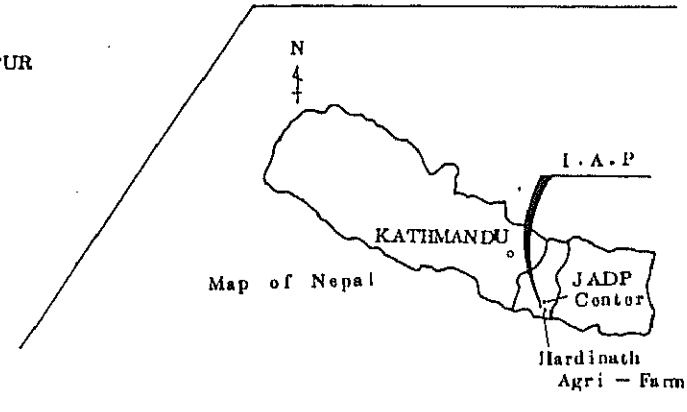
I.A.P. AREA

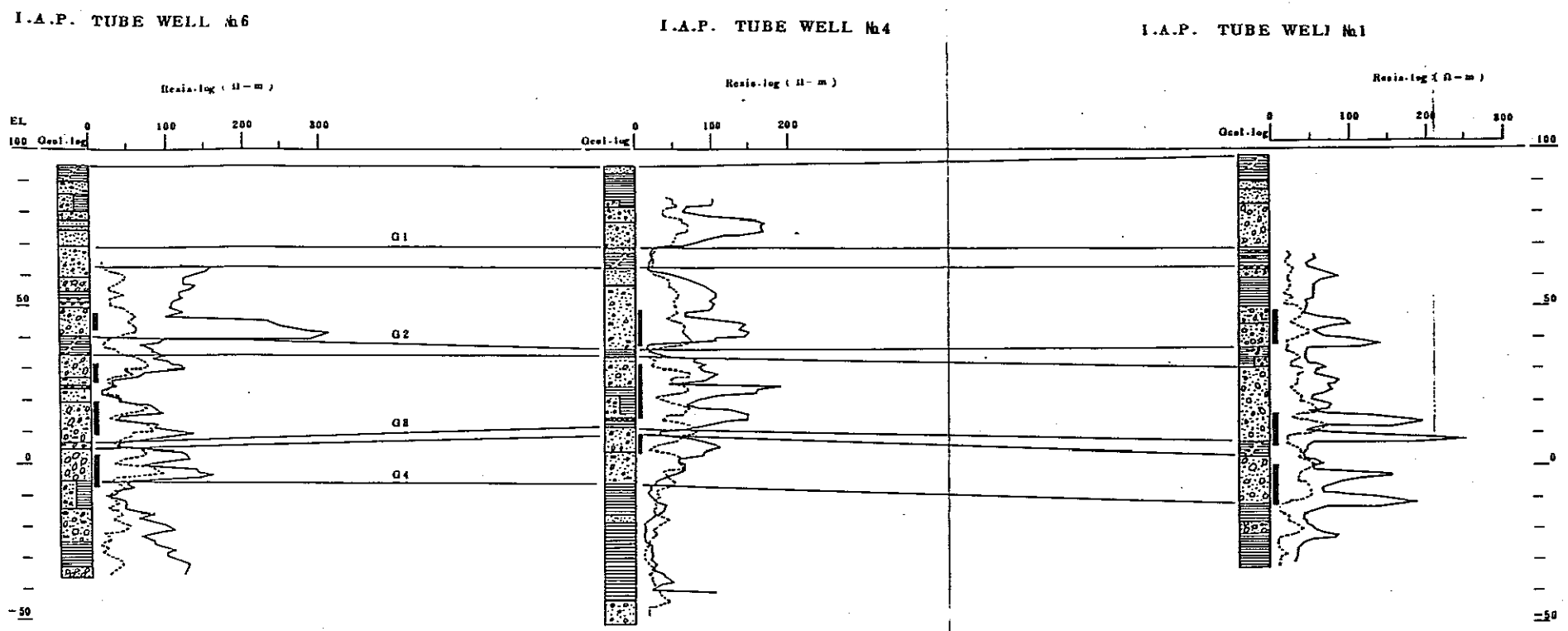
(S=1/10,000M)

A=420ha



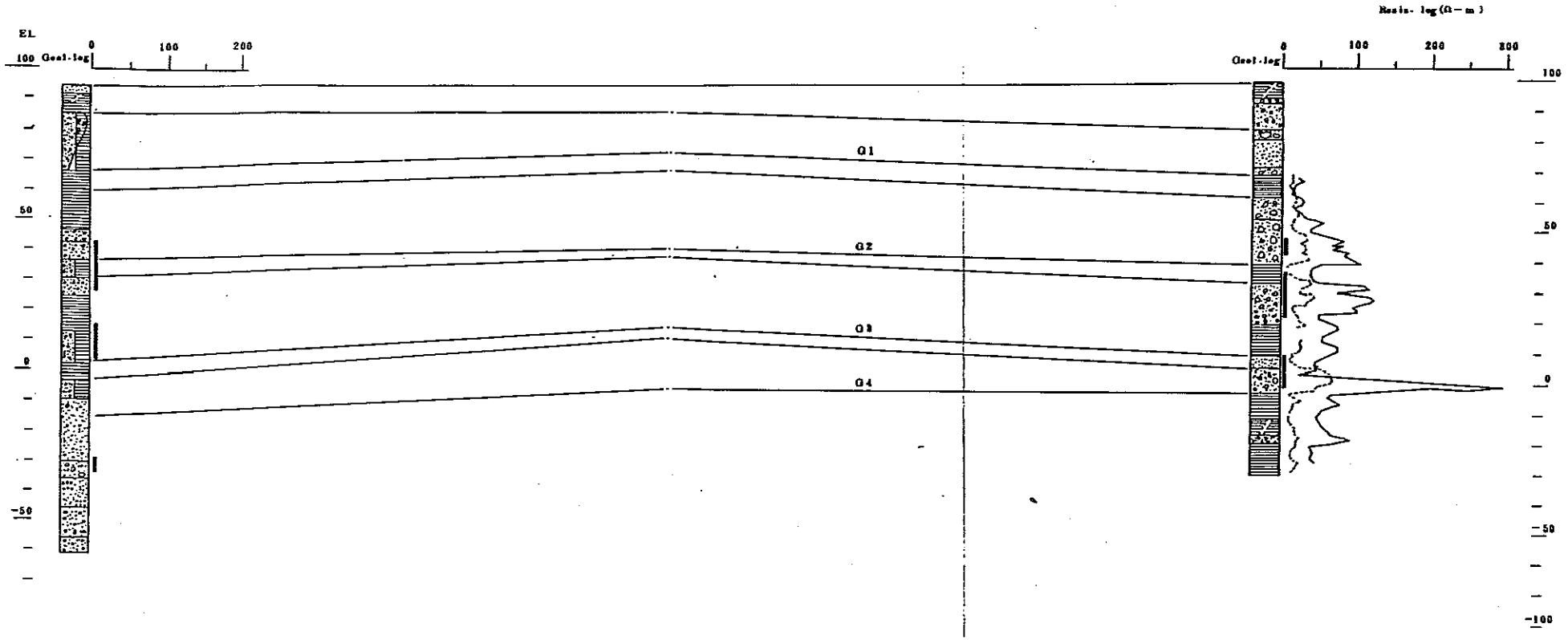
LEGEND	
	BENEFITED AREA LINE
	TUBE WELL
	ROAD
	IRRIGATION CAMAL
	DRAINAGE CANAL




I.A.P. TUBE WELL №6
I.A.P. TUBE WELL №4
I.A.P. TUBE WELL №1
Resis.log (Ω-m)
Qual.log
EL
100
50
0
-50
0
100
200
300
G1
G2
G3
G4

I.A.P. TUBE WELL №7

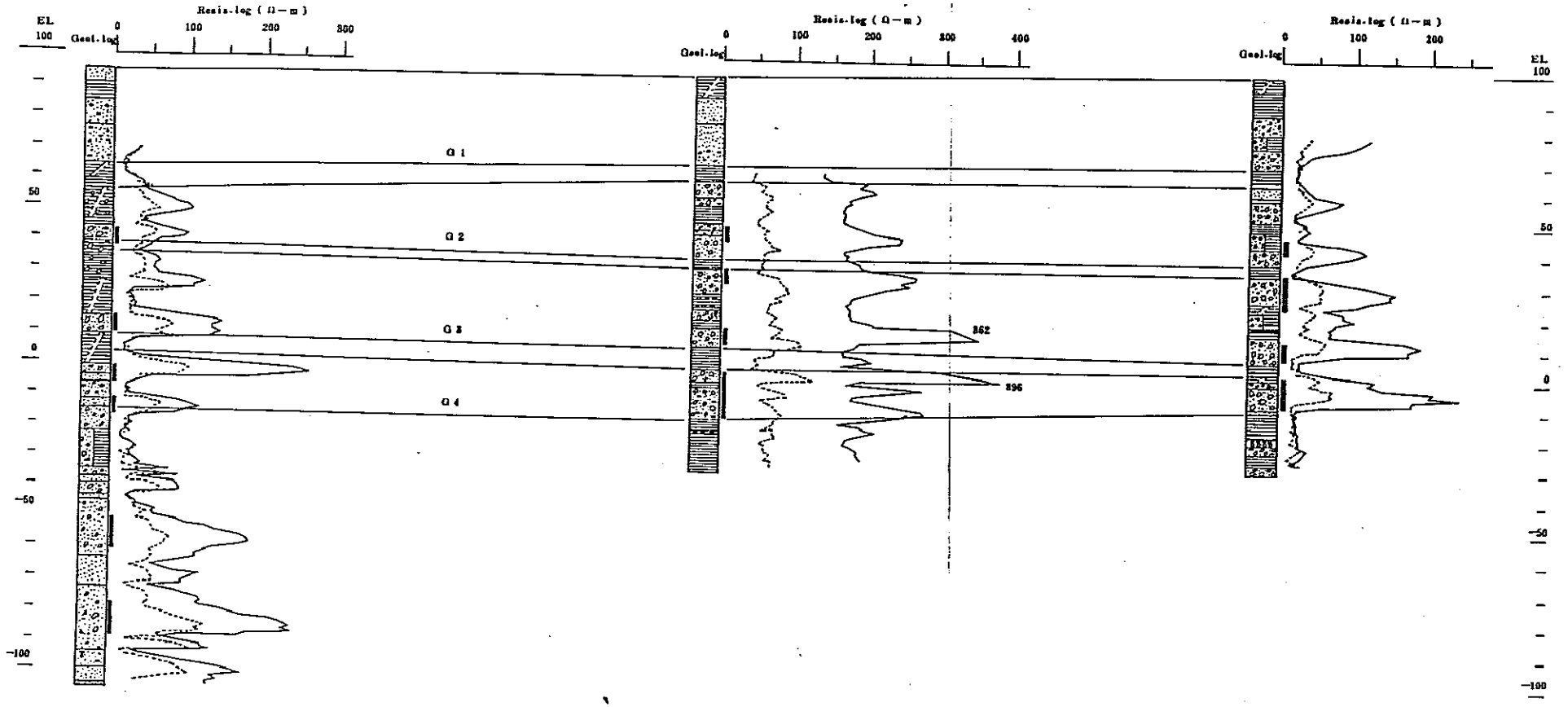
I.A.P. TUBE WELL №2



I.A.P. TUBE WELL №8

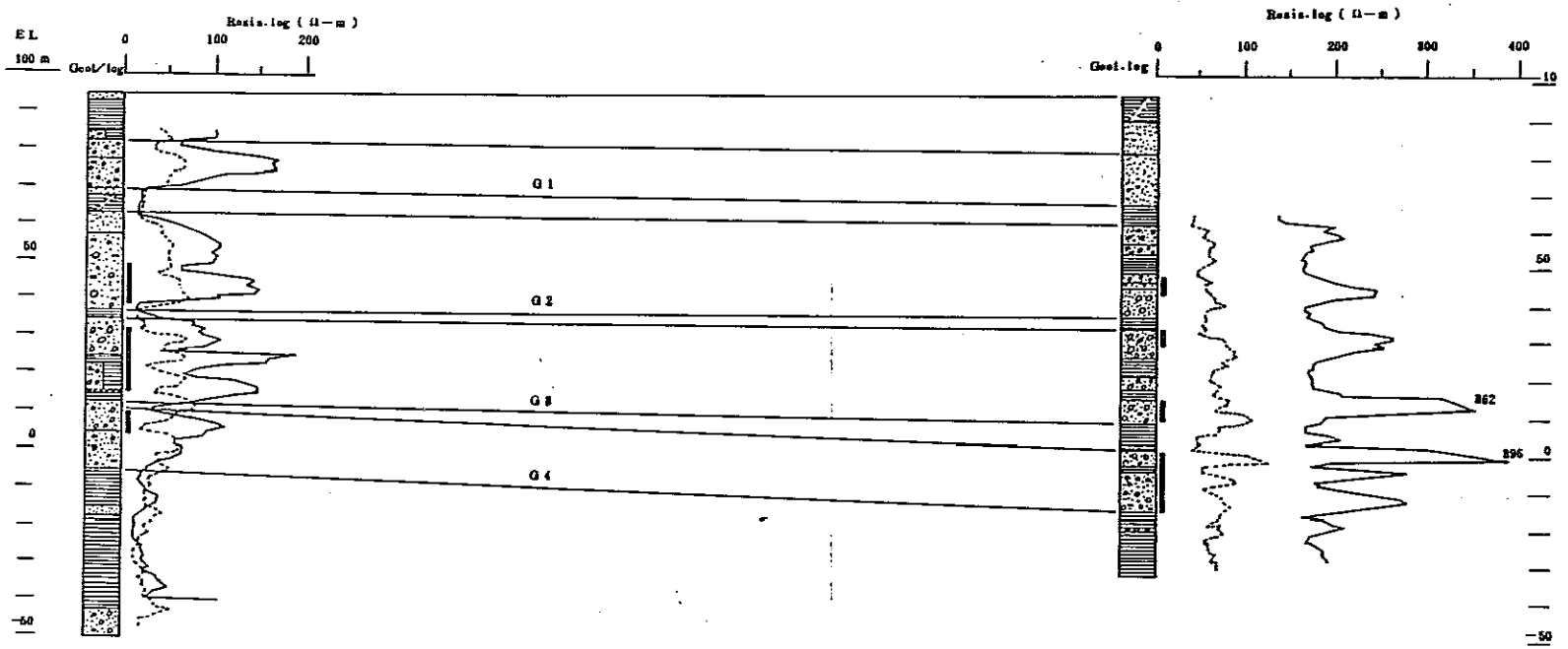
I.A.P. TUBE WELL №5

I.A.P. TUBE WELL №8



I.A.P. TUBE WELL №4

I.A.P. TUBE WELL №5



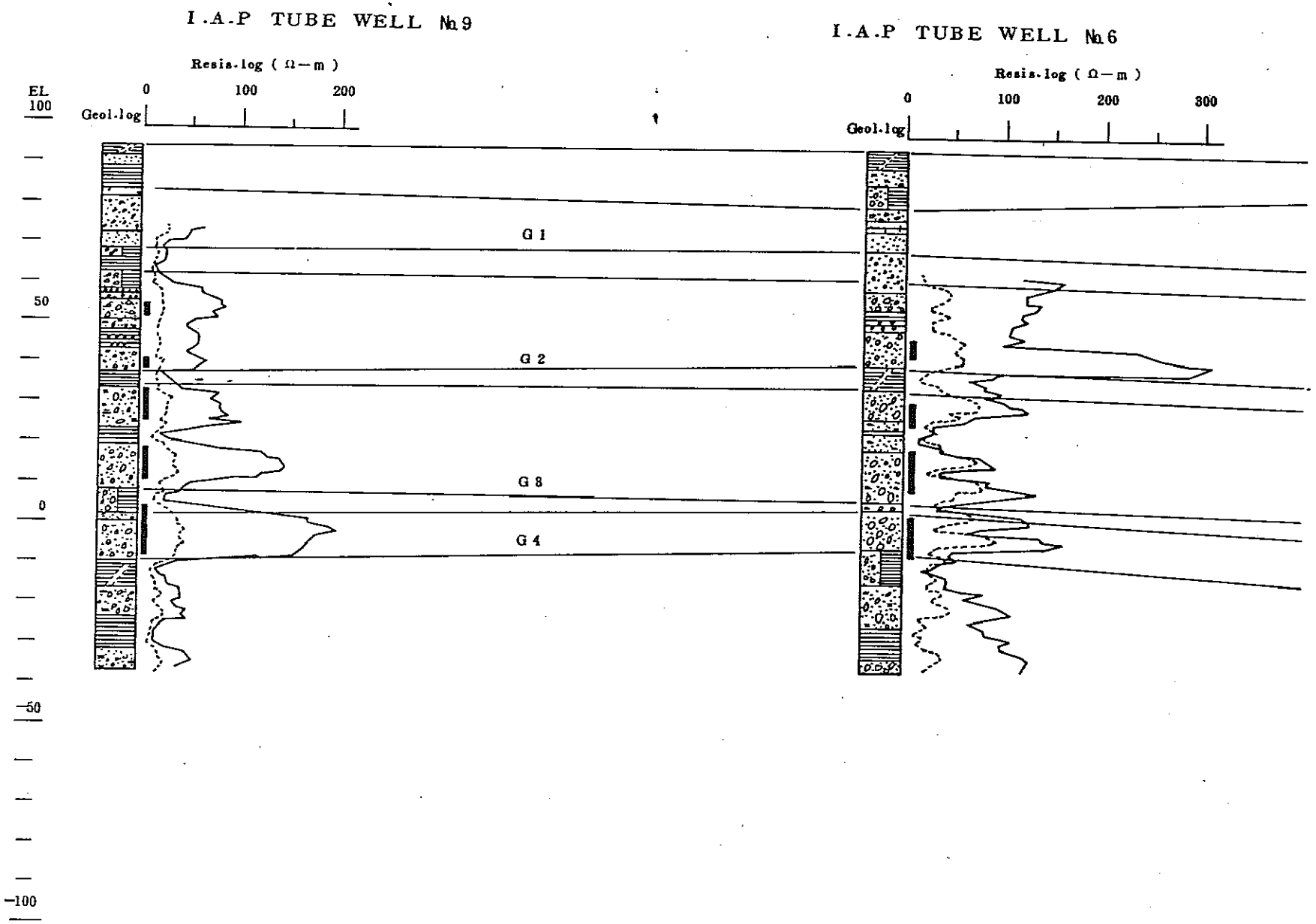
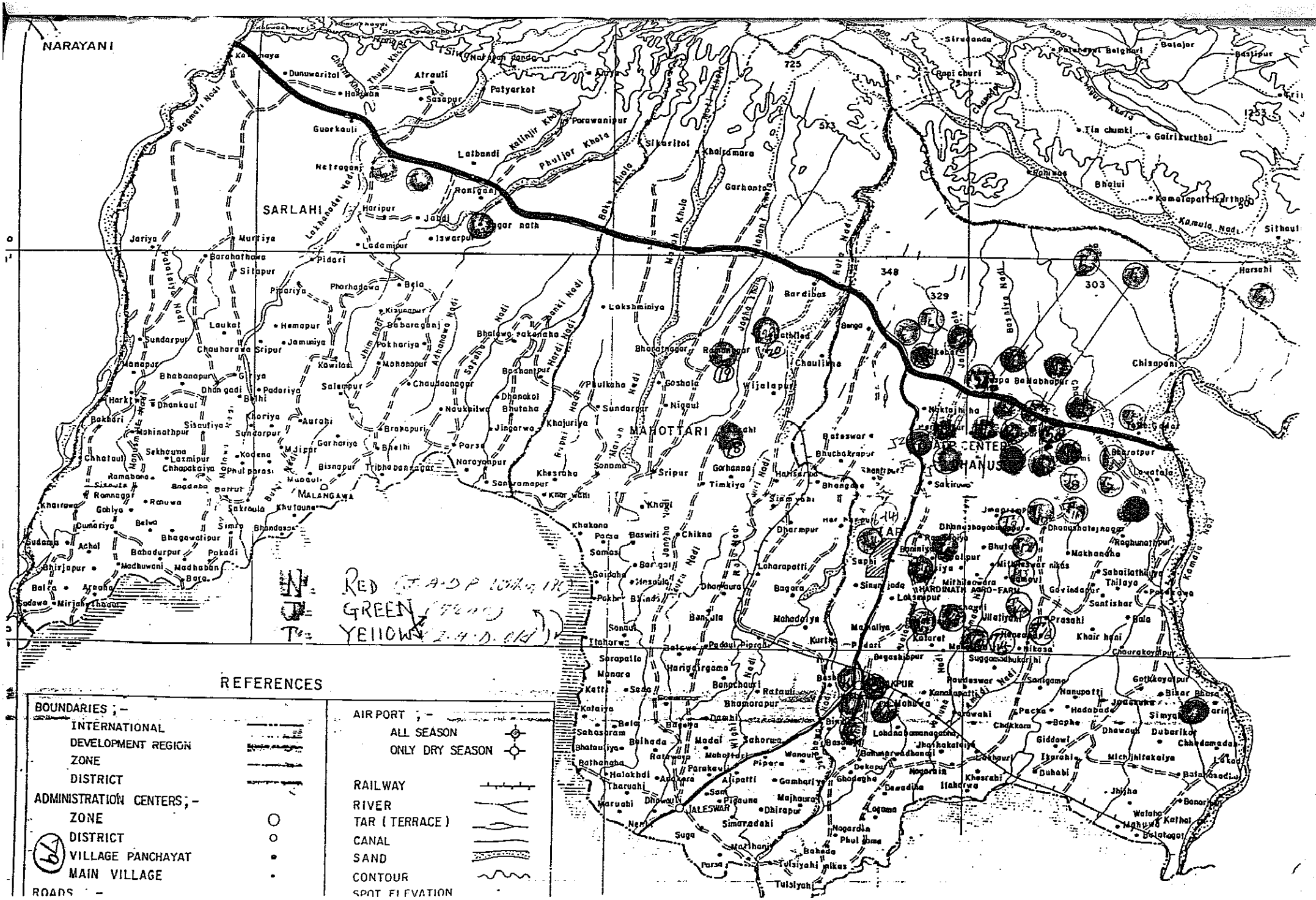

I.A.P TUBE WELL No.9
Resis.log (Ω—m)
0
100
200
EL
100
Geol.log
G 1
50
G 2
G 3
0
G 4
-50
-100
I.A.P TUBE WELL No.6
Resis.log (Ω—m)
0
100
200
300
Geol.log

Chart of deep tube well information

Sl. No.	Tube-well Name	Location	Installation Date	Depth (m)	Diameter (Inch)	Artesian Discharge (ℓ/sec)	Pumping capacity (ℓ/sec)	Pumping water level (m)	Piezo-metric Surface (m)	Coefficient of Trans-missibility T:(m^2/sec)	Coefficient of Permea-bility K:(cm/sec)	Storage Coefficient S:(Dimen-sionless)	Remarks
1	I.A.P. Area No.1	Saphai Dhanusha	21 Mar., 1976	130.0	12/8	28.0	58.0(2nd) 44.0(1st)	-11.360	+1.260	2.42×10^{-3}	8.05×10^{-3}	1.74×10^{-5}	12" Housing
2	I.A.P. Area No.2	Saphai Dhanusha	10 Apr., 1976	130.0	12/8	15.0	36.3	-15.400	+1.300	1.75×10^{-3}	5.83×10^{-3}	1.35×10^{-4}	
3	I.A.P. Area No.3	Saphai Dhanusha	19 Feb., 1977	130.0	12/8	18.0	35.3 46.5	-9.940	+3.200	6.47×10^{-3}	2.16×10^{-2}	4.13×10^{-4}	
4	I.A.P. Area No.4	Saphai Dhanusha	25 Mar., 1975	146.0	12/8	14.4	39.9	-17.022	+5.430	2.94×10^{-3}	9.79×10^{-3}		
5	I.A.P. Area No.5	Saphai Dhanusha	11 May, 1976	130.0	12/8	18.0	35.3 32.9	-20.630	+1.800	8.50×10^{-3}	3.29×10^{-3}	6.32×10^{-5}	
6	I.A.P. Area No.6	Saphai Dhanusha	17 Feb., 1976	131.0	12/8	25.0	30.2	-14.980	+1.330	1.52×10^{-3}	5.05×10^{-3}	1.10×10^{-4}	
7	I.A.P. Area No.7	Saphai Dhanusha	2 Mar., 1975	156.0	12/8	(Estimated) 4.7	-	-	-	-	-	-	
8	I.A.P. Area No.8	Saphai Dhanusha	7 Feb., 1975	201.0	12/8	9.4	21.9 24.0	(Estimated) -11.000	+3.600	2.79×10^{-3}	6.98×10^{-3}	-	
9	I.A.P. Area No.9	Saphai Dhanusha	11 May, 1977	130.30	12/8	29.0	43.9	-6.843	+5.390	5.74×10^{-3}	1.79×10^{-2}	2.40×10^{-4}	
(11) 10	Hordinath No.2	Baneniya Dhanusha	1 Apr., 1977	160.0	12/8	10.0	30.0	-27.605	+3.430	1.35×10^{-3}	4.32×10^{-3}	9.50×10^{-5}	
(21) 11	Janakpur Hore	Janakpur Dhanusha	2 Dec., 1976	139.0	12/8	4.0	35.0	-15.560	+1.000	4.25×10^{-3}	1.43×10^{-2}	3.56×10^{-4}	
(22) 12	Janakpur Fishries	Janakpur Dhanusha	16 Feb., 1979	140.0	12/8	12.0	48.0	-13.692	+1.500	-	-	-	
(A) 13	Ghorgas No.2	Ghorgas Dhanusha	16 June, 1979	166.0	12/8	12.6	11.0	-25.021	+1.350	-	-	-	
(20) 14	Naktajhij No.1	Naktajhij Dhanusha	3 Jan., 1975	135.0	6"	Non Artesian	15.0	-27.500	-14.350	3.71×10^{-3}	3.42×10^{-3}	-	6" Throughout

Sl. No.	Tube-well Name	Location	Installation Date	Depth (m)	Diameter (Inch)	Artesian Discharge (ℓ/sec)	Pumping capacity (ℓ/sec)	Pumping water level (m)	Piezo-metric Surface (m)	Coefficient of Trans-missibility (T:m^2/sec)	Coefficient of Permea-bility K:(cm/sec)	Storage Coefficient S:(Dimen-sionless)	Remarks
(A) 15	Ram Nagar No.1	Ram Nagar Mahattari	16 Feb., 1978	81.0	6"	Non Artesian	15.0	-54.00	-22.00	-	-	-	
(B) 16	Dhalkhebar Test Boring	Dhalkhebar Dhanusha	29 July, 1977	115.0	6/4	Non Artesian	10.0	-68.00	-45.00	-	-	-	
(18) 17	Aurahi No.2	Aurahi Mahottari	20 Aug., 1979	111.0	10/6	Semi Artesian 5.0 (-1.0m)	60.0	-7.000 -7.000	-1.00	-	-	-	
(15) 18	Nawalpur No.2	Nawalpur Sarlahe	22 Sep., 1979	72.5	12/8	Non Artesian	45.0	-37.500	-21.30	-	-	-	
(C) 19	Mahendranagar No.1	Mahendranagar Dhanusha	19 Apr., 1980	116.60	12/8	Non Artesian	20.0	-21.000	-6.0	-	-	-	
(12) 20	Hardinath No.3	Baneniya Dhanusha	13 June, 1980	104.50	12/8	25.0	>35.3	-27.000	+2.00	-	-	-	
(13) 21	Nawalpur No.3	Nawalpur Sarlahe	14 Nov., 1981	70.0	12/8	Non Artesian	30.0	-29.740	-22.00	-	-	-	
(16) 22	Sagarnath No.1	Sagarnath Sarlahe	15 Fev., 1983	114.0	12/8	Non Artesian	30.0	-35.000	-16.500	-	-	-	
(17) 23	Sagarnath No.2.	Sagarnath Sarlahe	20 Mar., 1983	110.0	12/8	Non Artesian	40.0	-29.000	-15.525	-	-	-	

Note No3


NARAYANI
SARLAHI
MAHOTTARI
MALANGAWA
DHANUSHA
JANAKPUR
JALESWAR
AIR CENTER
HARDINATH AGRO-FARM
Tulsiyahi nikas
N: RED
G: GREEN
Y: YELLOW
REFERENCES
BOUNDARIES ;-
INTERNATIONAL
DEVELOPMENT REGION
ZONE
DISTRICT
ADMINISTRATION CENTERS;-
ZONE
DISTRICT
VILLAGE PANCHAYAT
MAIN VILLAGE
ROADS ;-
AIR PORT ;-
ALL SEASON
ONLY DRY SEASON
RAILWAY
RIVER
TAR (TERRACE)
CANAL
SAND
CONTOUR
SPOT ELEVATION

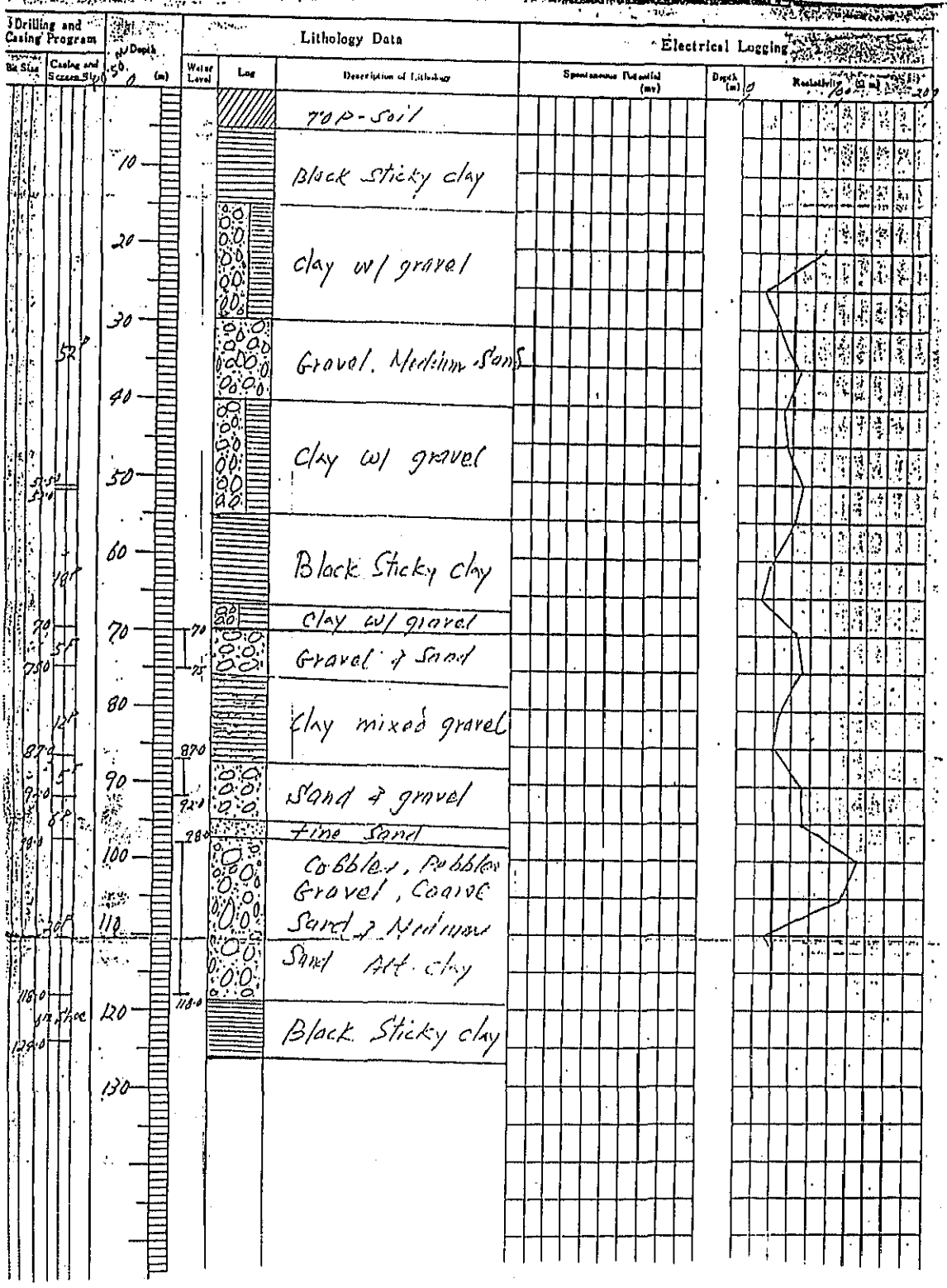
WELL LOG

Data No.

(N1)

PROJECT NAME	J.A.D.P	WELL NO.	1
AREA AND LOCATION	BIRENDRA BAZAR (Bharatpur Village Panchayat)		
ELEVATION	m	LATITUDE	LONGITUDE
TOTAL DEPTH	124.0 m	DRILLING RIG	YBM 501 R
DRILLING STARTED		DRILLED BY	G. Joshi
WELL COMPLETED	Dec. 1985	LOGGED BY	M. Lamichhane

STATIC WATER LEVEL	-37.0 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	m	CONDUCTIVITY	μ℧/cm
PUMPING RATE	25.0 l/min (or Q m³/d)	pH	
SPECIFIC CAPACITY	m³/d/m	TOTAL HARDNESS	



PROJECT NAME	J.A.D.P.	WELL NO.	2
AREA AND LOCATION	CHITWAHATAR-BIRGA C. Bharatpur Village: Pandeyai		
ELEVATION	m	LATITUDE	LONGITUDE
TOTAL DEPTH	162.0 m	DRILLING RIG	YBM 500 R"
DRILLING STARTED		DRILLED BY	G. Joshi & S. Rana
WELL COMPLETED	Jan 1986	LOGGED BY	M. Lamichhane

STATIC WATER LEVEL	-41.0 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	m	CONDUCTIVITY	µS/cm
PUMPING RATE	30.0 l/min (0.03 m³/s)	pH	
SPECIFIC CAPACITY	m³/s/m	TOTAL HARDNESS	

(N.2)

WELL LOG

Drilling and Casing Program

Depth (m)

Lithology Data

Water Level	Log	Description of Lithology
		Sandy - clay
		Sticky clay
		Coarse sand medium sand, gravel, Pebble
		fine sand mixed in clay
		clay
		clay w/ gravel
		Fine sand w/ fine gravel
		sticky (yellow) clay
		Pebble, fine gravel, gravel & coarse sand
		fine gravel w/ coarse & medium sand
		Sticky yellow clay
		gravel & coarse sand
		Sandy clay
		Silty clay
		gravel w/ clay
		Pebbles gravel & fine to medium sand
		Black clay

Electrical Logging

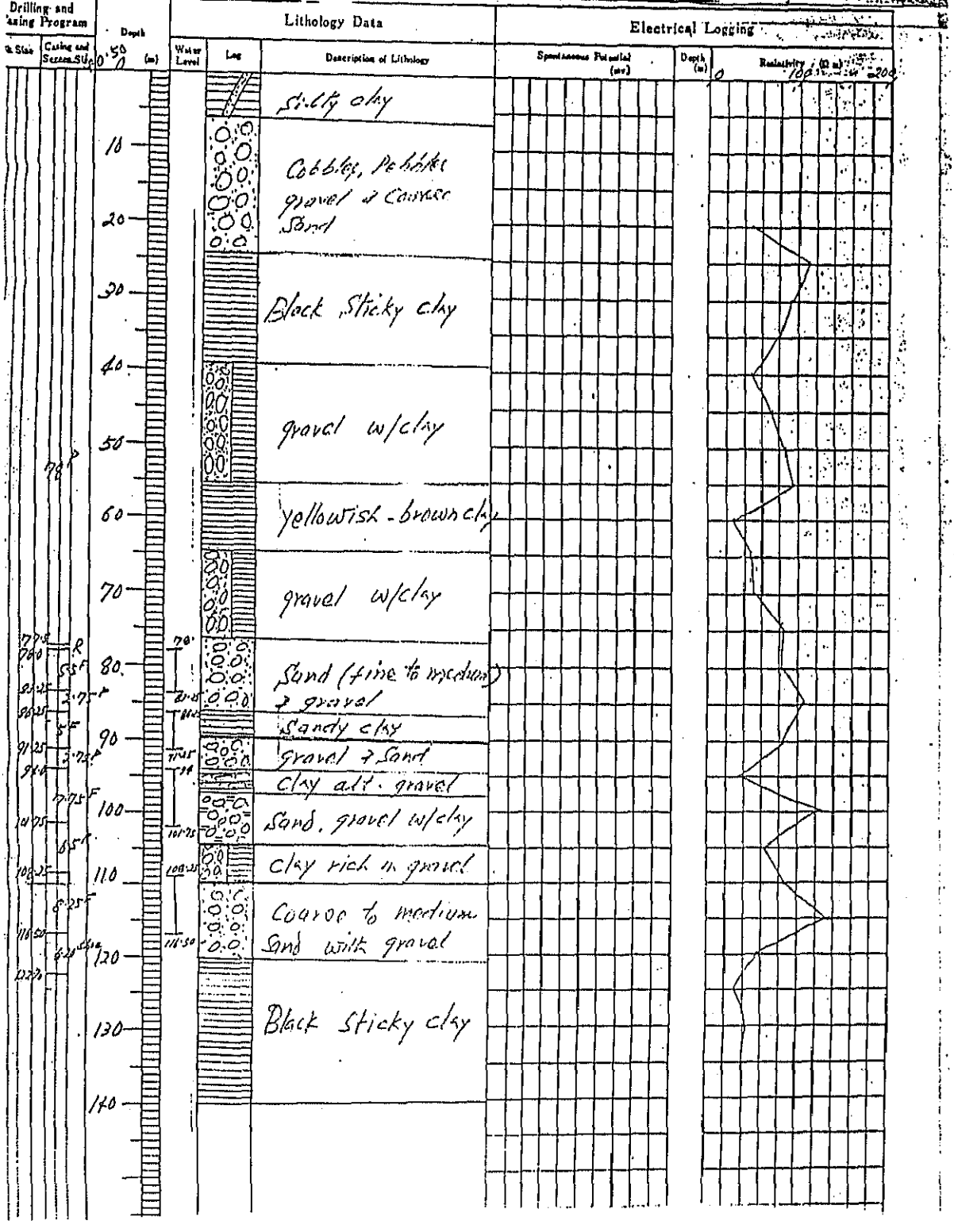
Spontaneous Potential (mv) | Depth (m) | Resistivity (Ω m)

WELL LOG

Data No.

PROJECT NAME	T.A.D.P.	WELL NO.	3
AREA AND LOCATION	MURGIYA Gyaghumi village Panchayat		
ELEVATION	m	LATITUDE / LONGITUDE	
TOTAL DEPTH	124.95 m	DRILLING RIG	YBM '500R'
DRILLING STARTED		DRILLED BY	D.N. Sen
WELL COMPLETED	Jan 1986	LOGGED BY	M. Lamichhane

STATIC WATER LEVEL	-5.2 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	m	CONDUCTIVITY	μΩ/cm
PUMPING RATE	20.0 l/min (m³/d)	pH	
SPECIFIC CAPACITY	m³/d/m	TOTAL HARDNESS	



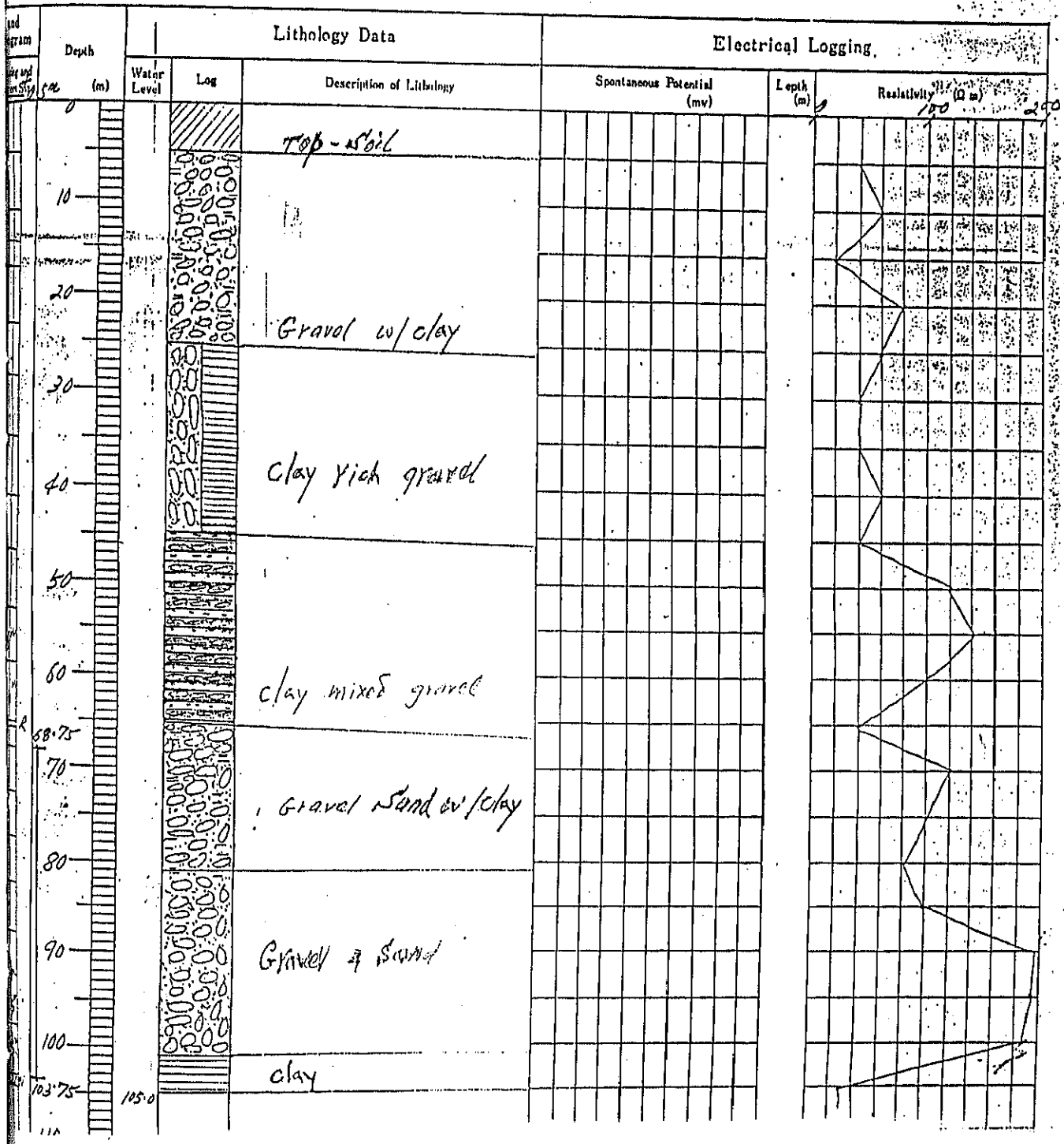
WELL LOG

Data No.

PROJECT NAME	DEEP TUBE-WELL PROGRAMME	WELL NO.	4
AREA AND LOCATION	LALVITTI (Hariharpur Panchayat)		
ELEVATION	m	LATITUDE	LONGITUDE
TOTAL DEPTH	105.0 m	DRILLING RIG	YBM '501R
DRILLING STARTED		DRILLED BY	Satendra Jha & Shamo Uraw
WELL COMPLETED	Apr. 1986	LOGGED BY	M. Lamichhane & P. Nukhiya

(NT4)

STATIC WATER LEVEL	−62.0 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	m	CONDUCTIVITY	μ℧/cm
PUMPING RATE	15.0 l/min (Air Lift m³/d)	pH	
SPECIFIC CAPACITY	m³/d/m	TOTAL HARDNESS	



WELL LOG

Data No.

PROJECT NAME	DEEP TUBE-WELL PROGRAMME	WELL NO.	5
AREA AND LOCATION	Dalchar Nawada District.		
ELEVATION	- m	LATITUDE	LONGITUDE
TOTAL DEPTH	122'25 m	DRILLING RIG	YBM 501 R
DRILLING STARTED	2...	DRILLED BY	D.N. Sen
WELL COMPLETED	Dec, 1985	LOGGED BY	M. Somichhara Higuchi

STATIC WATER LEVEL	-60'0 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	m	CONDUCTIVITY	μS/cm
PUMPING RATE	20'0 l/min (gal/min) (m³/d)	pH	
SPECIFIC CAPACITY	m³/d/m	TOTAL HARDNESS	

Lithology Data

Depth (m)	Water Level	Description of Lithology
0		Silty clay
10		Black Sticky clay
20		clay w/ gravel
30		Pebble, Coarse Sand
		Fine To med. Sand
40		yellow stick clay
		Silty clay
		Fine Sand
50		gravel & medium Sand
60		yellow sticky clay
70		Gravel & Coarse Sand
		clay w/ gravel
80		Black sticky clay
90	84'50	
100		Boulders Cobbles, Pebbles Coarse Sand
110		
120	115'25	Black Sticky clay
122'25		

Electrical Logging Resistivity Logging

Spontaneous Potential (mv) | Depth (m) | Resistivity (Ω/m) 0 — 100 — 200

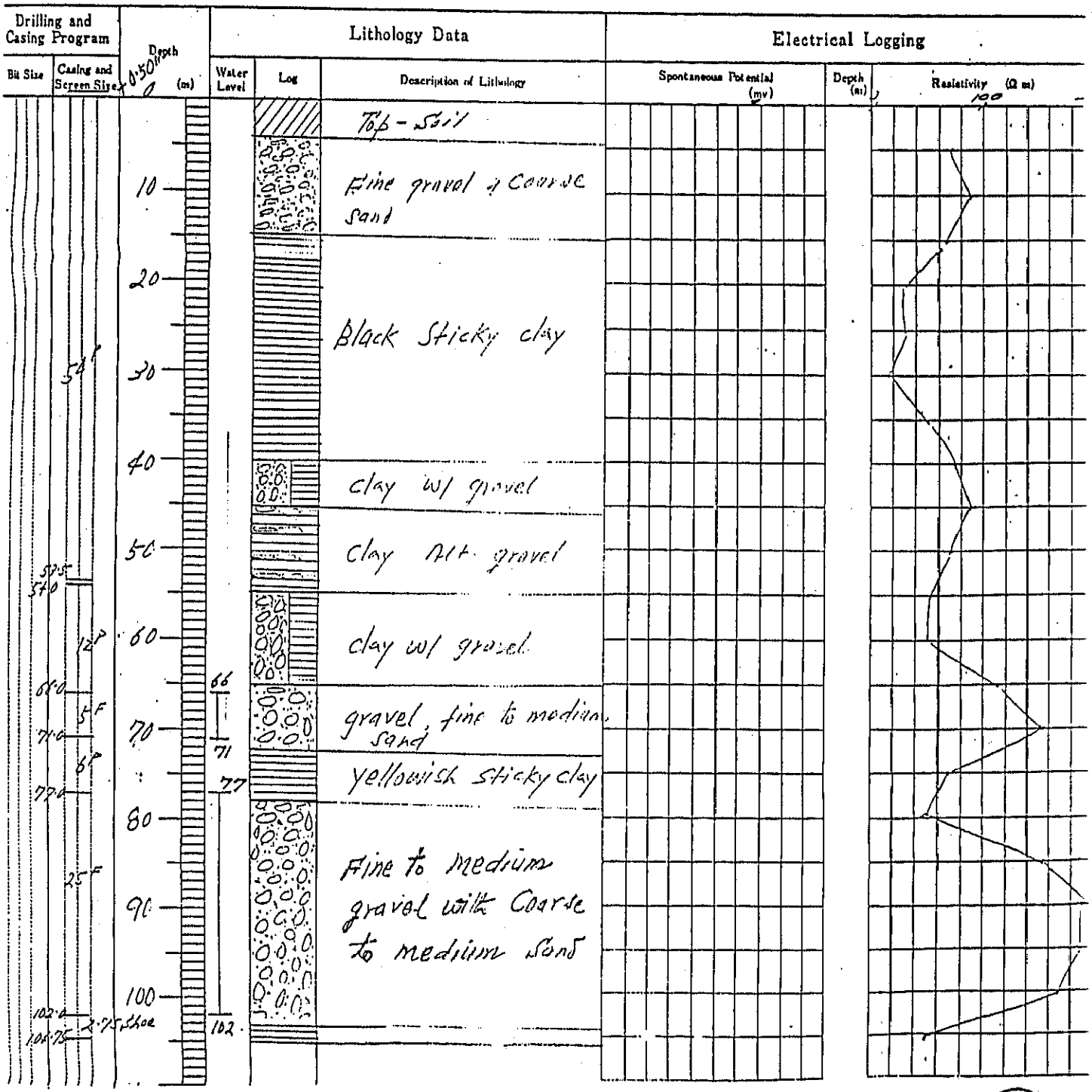
(84)

WELL LOG

PROJECT NAME	J.A.D.P.	WELL NO.	6
AREA AND LOCATION	LAKHANPUR (Bhavatpur village Panchayat)		
ELEVATION m		LATITUDE LONGITUDE	
TOTAL DEPTH	104.75 m	DRILLING RIG	TRD-500
DRILLING STARTED		DRILLED BY	G. Joshi
WELL COMPLETED	Feb. 1986	LOGGED BY	M. Lamichhane

N6

STATIC WATER LEVEL	-32.0 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	m	CONDUCTIVITY	μS/cm
PUMPING RATE	25.0 l/min (Air Lift) m³/d	pH	
SPECIFIC CAPACITY	m³/d/m	TOTAL HARDNESS	



85

7

WELL LOG

PROJECT NAME	J.N.D.P.	WELL NO.	7
AREA AND LOCATION	KESHARKHANI (Gaighbhumi Village Panchyat)		
ELEVATION	m	LATITUDE	LONGITUDE
TOTAL DEPTH	165.0 m	DRILLING RIG	TRD 500
DRILLING STARTED		DRILLED BY	Sudep Rana
WELL COMPLETED	Mar 1986	LOGGED BY	M. Lamichhane

STATIC WATER LEVEL	-20.0 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	m	CONDUCTIVITY	µS/cm
PUMPING RATE	30.0 l/min Air.	pH	
SPECIFIC CAPACITY	m²/d/m	TOTAL HARDNESS	

N7

Drilling and Casing Program | Depth (m) | Water Level | Lithology Data | Electrical Logging

Depth (m)	Description of Lithology
0	Top - soil
	Fine to medium gravel
10	
	Black sticky clay
20	
	clay w/ gravel
	clay
30	
	clay w/ gravel
	Fine to medium
40	sand w/ gravel
	yellow sticky clay
50	Coarse sand
	yellow sticky clay
60	
70	clay w/ gravel
	gravel, fine to medium Sand
80	
90	Black Sticky clay
100	
	pebbles, gravel
110	Coarse to medium Sand
120	clay w/ gravel
130	gravel, medium sand
	Black Sticky clay
140	
	gravel, fine to medium Sand
150	Black sticky clay
	pebbles, gravel
160	Coarse to med. Sand

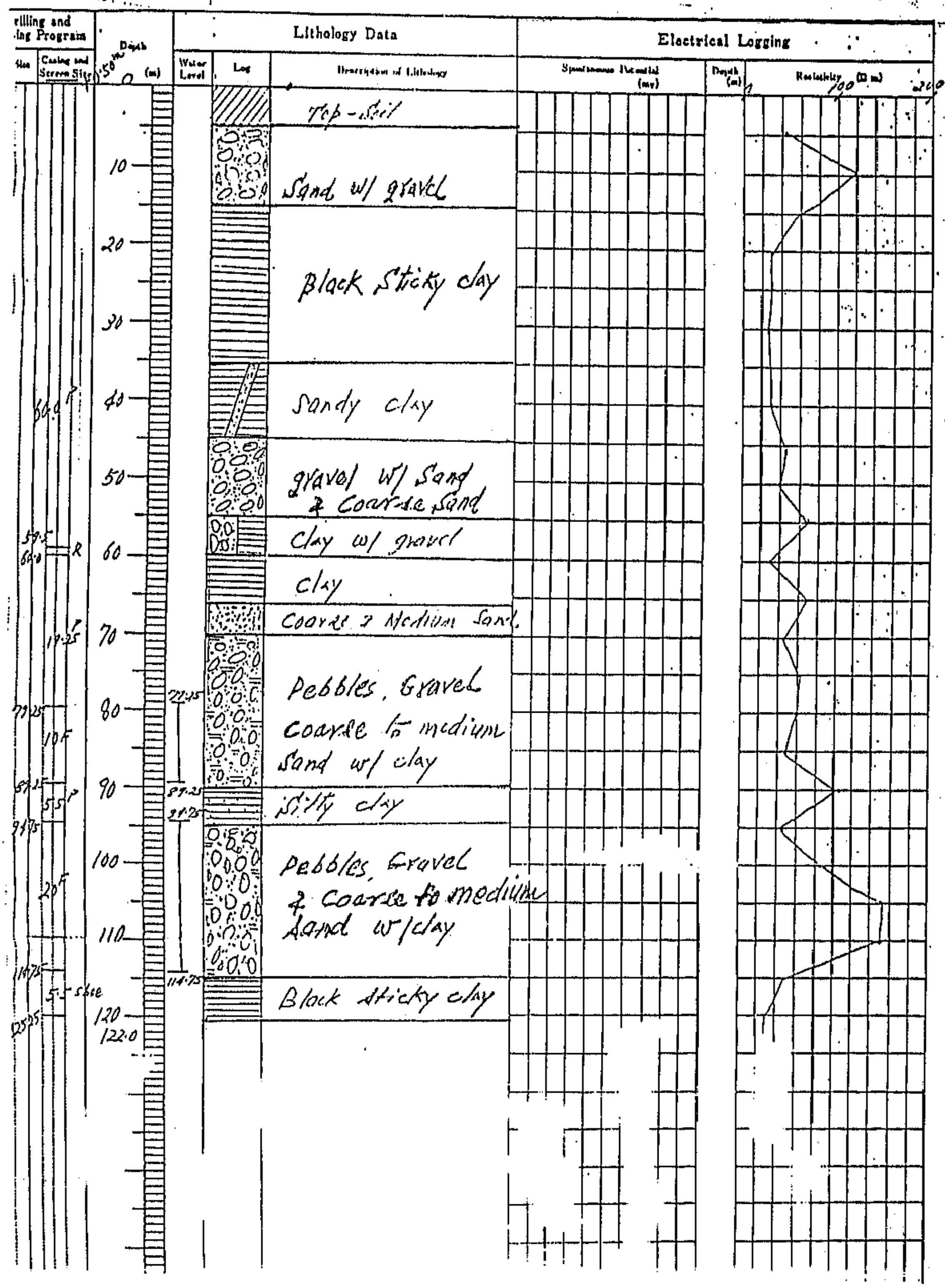
(86)

WELL LOG

Data No.

PROJECT NAME	J. A. D. P.	WELL NO.	8
AREA AND LOCATION	KIRTANPUR (Yugabhumi - village Panchayat)		
ELEVATION	m	LATITUDE	LONGITUDE
TOTAL DEPTH	120.25 m	DRILLING RIG	YBM "501 R"
DRILLING STARTED	042/11/2	DRILLED BY	G. Joshi
WELL COMPLETED	Apr, 1986	LOGGED BY	M. Lamichhane

STATIC WATER LEVEL	-31.0 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	m	CONDUCTIVITY	μ℧/cm
PUMPING RATE	20.0 l/min (Air Lift/d)	pH	
SPECIFIC CAPACITY	m³/d/m	TOTAL HARDNESS	



N8

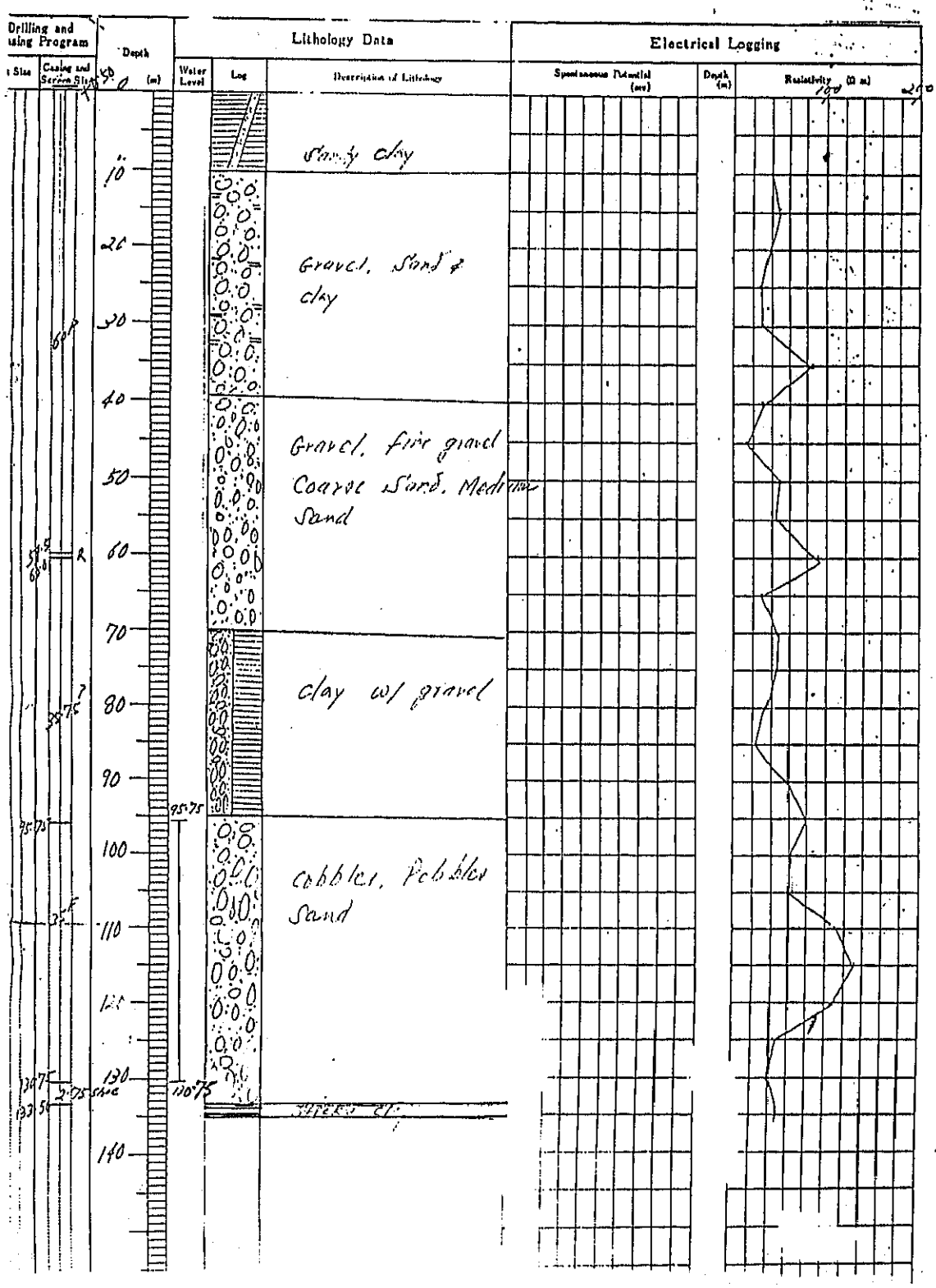
WELL LOG

Data No.

PROJECT NAME	T. H. D. P.	WELL NO.	9
AREA AND LOCATION	DIGAMBARPUR (Digambarpur village Panchyat)		
ELEVATION m		LATITUDE	LONGITUDE
TOTAL DEPTH	132.50 m	DRILLING RIG	YBM "SOIR"
DRILLING STARTED		DRILLED BY	G. Joshi
WELL COMPLETED	May, 1986	LOGGED BY	P. Mukhiya

(N9)

STATIC WATER LEVEL	-28.5 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	m	CONDUCTIVITY	μS/cm
PUMPING RATE	20.0 l/min (28.8 m³/d)	pH	
SPECIFIC CAPACITY	m³/d/m	TOTAL HARDNESS	

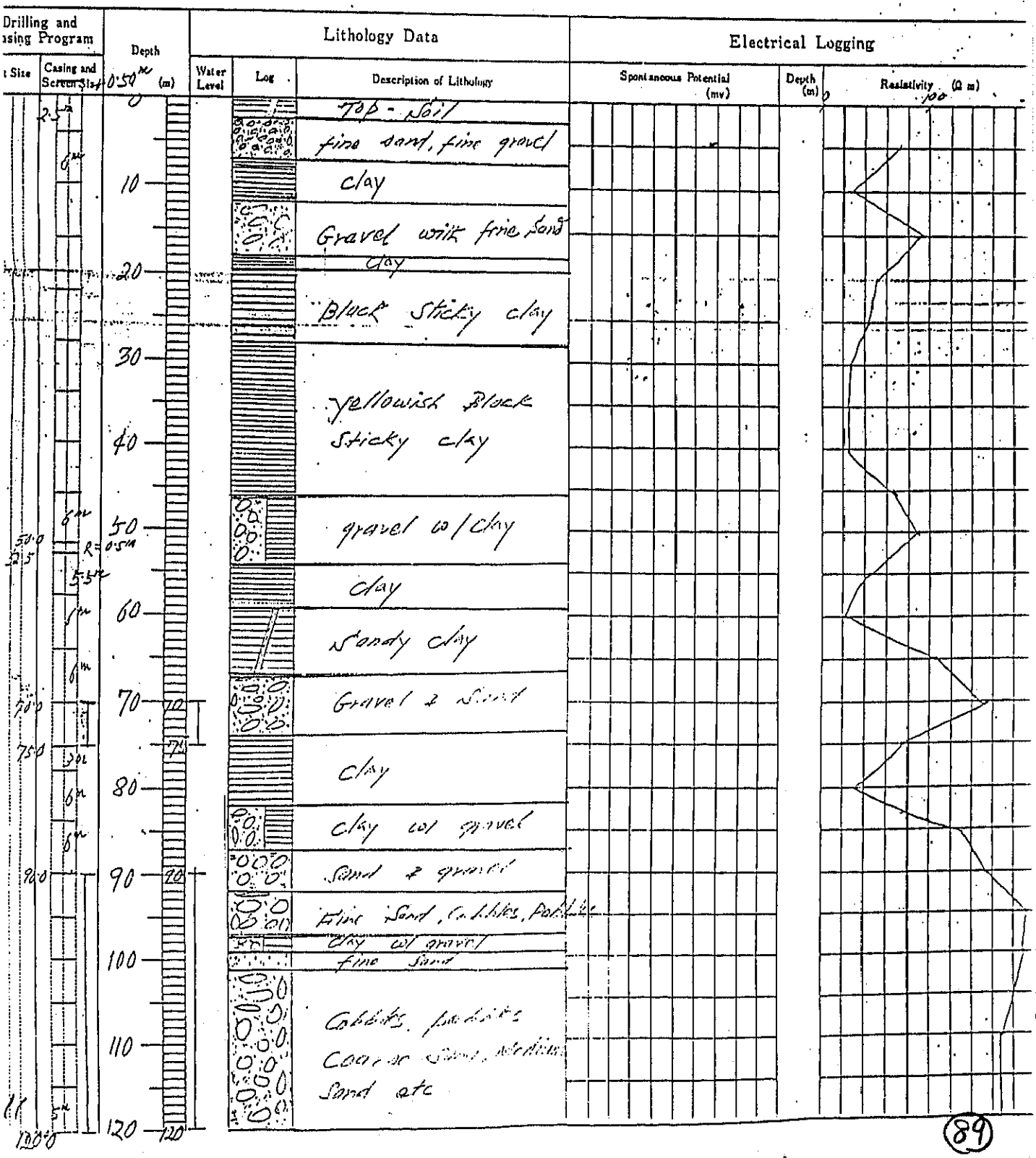


PROJECT NAME	J. A. D. P.	WELL NO.	10
AREA AND LOCATION	HARIHARPUR (Harihorpur Village)		
ELEVATION	m	LATITUDE / LONGITUDE	
TOTAL DEPTH	120.0 m	DRILLING RIG	YBM 50.12"
DRILLING STARTED		DRILLED BY	S. Ika
WELL COMPLETED	Dec 1995	LOGGED BY	M. Lamichhane

N10

STATIC WATER LEVEL	-30.5 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	m	CONDUCTIVITY	μʊ/cm
PUMPING RATE	50.0 l/min (m³/d)	pH	
SPECIFIC CAPACITY	m³/d/m	TOTAL HARDNESS	

WELL 10



89

WELL LOG

Data No.

PROJECT NAME	J. A. D. P.	WELL NO.	11
AREA AND LOCATION	Z/MAPREMPUR Ward No 3		
ELEVATION m		LATITUDE	LONGITUDE
TOTAL DEPTH	129.0 m	DRILLING RIG	TRD 500
DRILLING STARTED		DRILLED BY	Sudesh Rana
WELL COMPLETED	Apr., 1986	LOGGED BY	M. Lamichhane

STATIC WATER LEVEL	-22.0 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	m	CONDUCTIVITY	μS/cm
PUMPING RATE	40.0 l/min (4m. cft/m³/d)	pH	
SPECIFIC CAPACITY	m²/d/m	TOTAL HARDNESS	

Drilling and Casing Program

Depth

Lithology Data

Electrical Logging

Depth (m)	Water Level	Description of Lithology
0		Top - soil
10		Fine Sand
20		
30		
40		gravel & medium sand
50		Black sticky clay
60		clay w/ gravel
64	64	clay alt. gravel
70		Pebbles, gravel Coarse Sand & fine Sand.
80		
84	84	
90		clay w/ gravel
100		
102	102	Cobbles, Pebbles gravel, Sand (Coarse to medium)
110		
120		
120	120	yellowish sticky clay
125		

Spontaneous Potential (mv) | Depth (m) | Resistivity (Ω m) 100 — 250

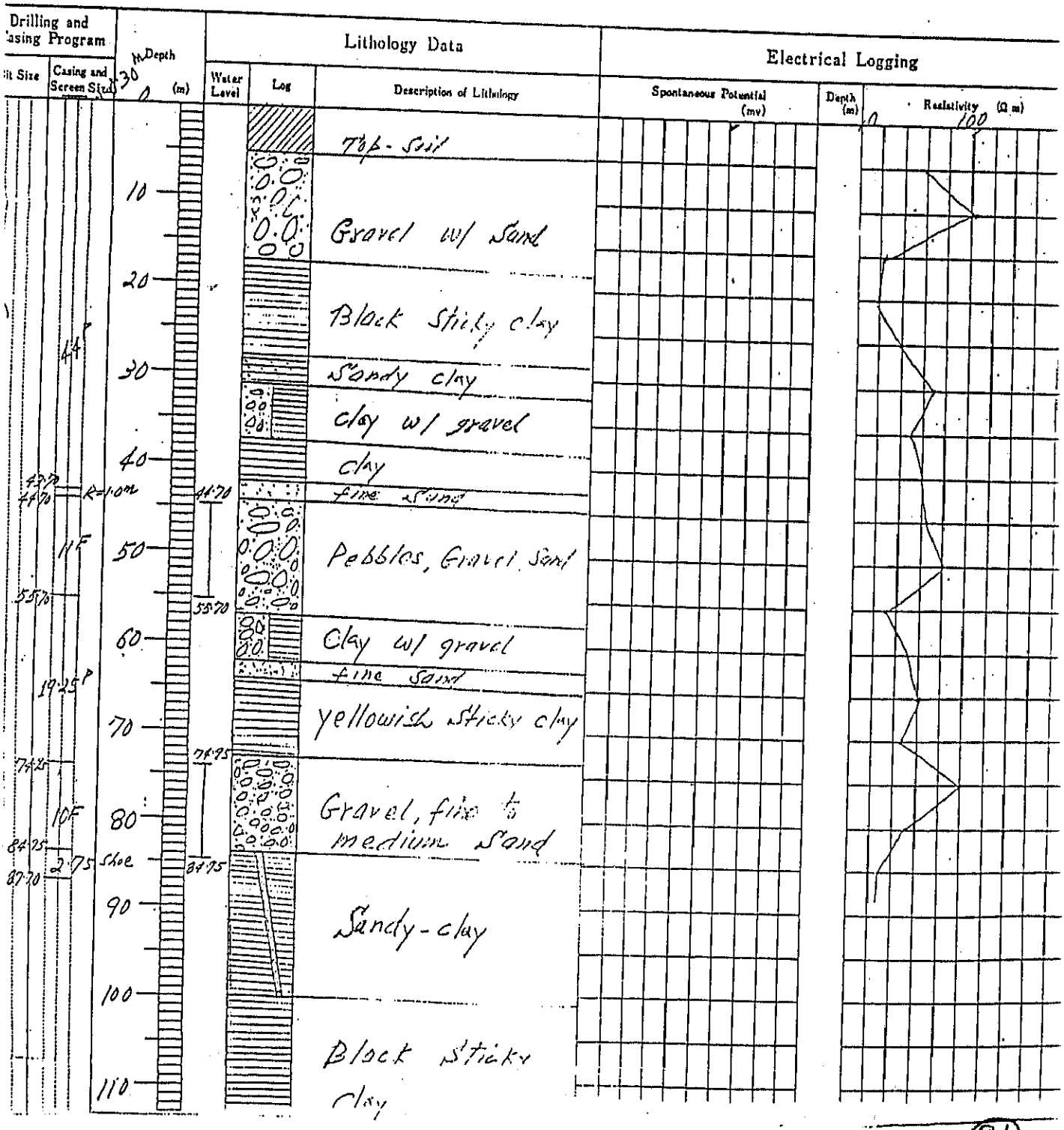
(90)

PROJECT NAME	T.A.D.P.	WELL NO.	12
AREA AND LOCATION	SINGANIMADHAN		
ELEVATION	m	LATITUDE	LONGITUDE
TOTAL DEPTH	87.70 m	DRILLING RIG	TOP 150 Tractor Mounted
DRILLING STARTED		DRILLED BY	G. Gauttam
WELL COMPLETED	Apr, 87.70	LOGGED BY	P. Mukhiya

Analysis by M. Lamichhane.

N12

STATIC WATER LEVEL	-1.0 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	m	CONDUCTIVITY	μS/cm
PUMPING RATE	40.0 l/min Air lift (m³/d)	pH	
SPECIFIC CAPACITY	m³/d/m	TOTAL HARDNESS	



WELL LOG

Data No.

PROJECT NAME	T.A.D.P.	WELL NO.	13
AREA AND LOCATION	BACHAURA	Bachauwa - Panchayat	
ELEVATION	m	LATITUDE / LONGITUDE	
TOTAL DEPTH	159.5 m	DRILLING RIG	YRM 500 P"
DRILLING STARTED		DRILLED BY	D.N. Shr. & Sudip Rao
WELL COMPLETED	17/1/ 1986	LOGGED BY	D.N. Shr.

STATIC WATER LEVEL	+0.20 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	m	CONDUCTIVITY	μS/cm
PUMPING RATE	40.0 l/min (...)	pH	
SPECIFIC CAPACITY	m³/d/m	TOTAL HARDNESS	

N13

Drilling and Casing Program

Depth 50 0 (m)

Lithology Data

Water Level	Log	Description of Lithology
		70ft - 150ft
		Gravel, coarse to medium sand
		clay w/ gravel
		Black sticky clay
		clay w/ gravel
		Gravel & sand
		Sandy clay
		yellowish sticky clay
		very fine gravel, coarse sand & med. sand
		clay mixed gravel
		cobbles, pebble, gravel & coarse sand
		Black sticky clay

Electrical Logging

Spontaneous Potential (mv) | Depth (m) | Resistivity (Ω m) 100

92

PROJECT NAME	J.A.D.P.	WELL NO.	14
AREA AND LOCATION	HANUMANTNAGAR, Janakpur Town Panchayat		
ELEVATION	m	LATITUDE	LONGITUDE
TOTAL DEPTH	172.75 m	DRILLING RIG	TRD "500"
DRILLING STARTED		DRILLED BY	N. Mukhiya
WELL COMPLETED	Feb. 1986	LOGGED BY	M. Panichkar & N. Mukhiya.

N14

STATIC WATER LEVEL	+ 0.5 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	m	CONDUCTIVITY	µS/cm
PUMPING RATE	50.0 l/min (3 l/s)	pH	
SPECIFIC CAPACITY	m²/d/m	TOTAL HARDNESS	

Drilling and Casing Program		Depth (m)	Lithology			Electrical Logging		
Size	Casing and Screen Size		Water Level	Log	Description of Lithology	Spontaneous Potential (mv)	Depth (m)	Resistivity (Ω m)
		0			Top Soil		0	100 200
		10			Black Sticky clay			
		20						
		30			clay with sand			
		40			Black Sticky clay			
		50						
		60						
		70			Sandy clay			
		80						
		86						
		90			Gravel & sand			
		95						
		100			Black Sticky clay			
		110			Sandy clay			
		115						
		120			Sand & Gravel			
		121			clay yellowish Sticky			
		127						
		130			Gravel & Coarse sand			
		132.5						
		140			Fine sand mixed clay			
		150			clay w/ gravel			
		154.50						
		160			Pebbles, Cobbles			
					gravel, sand etc			
		170						
		171.5			Black Sticky clay			
		172.5						

93

WELL LOG

Data No.

N15

PROJECT NAME	J. A. D. P	WELL NO.	15
AREA AND LOCATION	Kisumu (Dandora village Nyakach)		
ELEVATION	m	LATITUDE	LONGITUDE
TOTAL DEPTH	175.0 m	DRILLING RIG	TRD 500
DRILLING STARTED		DRILLED BY	N. Mukhiya
WELL COMPLETED	Mar 1986	LOGGED BY	M. Lamichhane

STATIC WATER LEVEL	+0.50 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	(Artesian) m	CONDUCTIVITY	μS/cm
PUMPING RATE	50.0 l/min (m³/d)	pH	
SPECIFIC CAPACITY	m³/d/m	TOTAL HARDNESS	

ARTESIAN DISCHARGE: 6 l/s

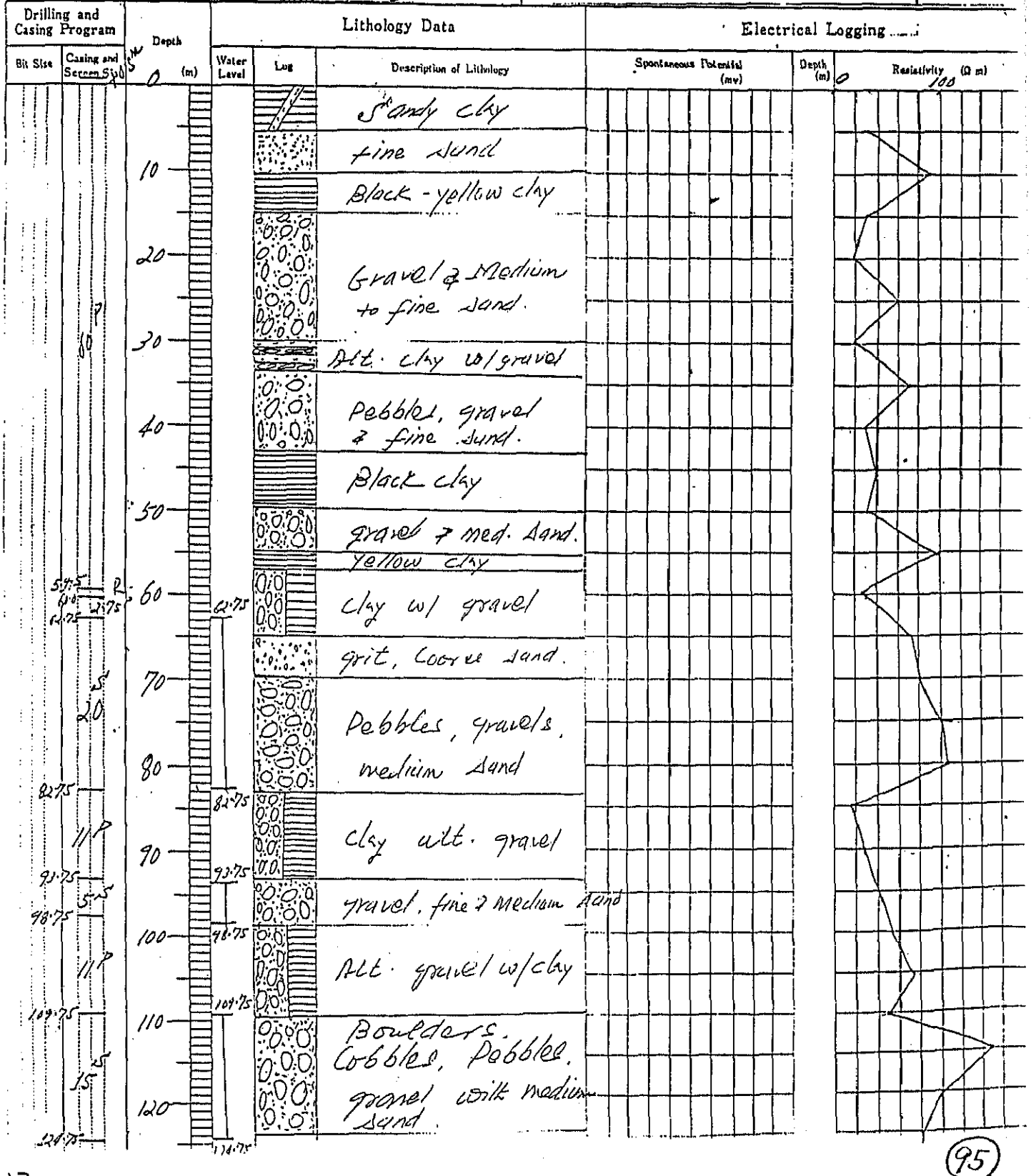
Drilling and Casing Program	Depth (m)	Lithology Data: Water Level	Log	Description of Lithology	Electrical Logging: Spontaneous Potential (mv)	Peak (m)	Resistivity (Ω m)
	0			Top soil			
	12			"			
	21			"			
	30			Sticky clay (Black)			
	40			"			
	50			fine sand w/clay			
	60			"			
	70			Gravel & fine Sand			
	80			Sticky clay			
	90	10.0		Medium, Coarse Sand with fine gravel			
	100	95.5		"			
	110			clay			
	118			clay w/ gravel			
	120	115		fine Sand w/ gravel			
	130	125.0		Clay w/ gravel			
	140			"			
	150	147		Sticky clay (yellow)			
	160			Coarse, Medium Sand with Gravel & Pebbles			
	170	169.0		"			
	175.0			clay w/ gravel			
	180			Sticky clay (yellow)			

94

PROJECT NAME	J. A. D. P.	WELL NO.	16.
AREA AND LOCATION	Umaprempur-2, Umaprempur Village Panchayat,		
ELEVATION	m	LATITUDE / LONGITUDE	
TOTAL DEPTH	124·75 m	DRILLING RIG	YRD "501 R"
DRILLING STARTED		DRILLED BY	Sudesh Rana
WELL COMPLETED	Apr. 1986	LOGGED BY	M. Lamichhane

N16

STATIC WATER LEVEL	- 40·0 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	m	CONDUCTIVITY	μ℧/cm
PUMPING RATE	10 ℓ/sec (m³/d)	pH	



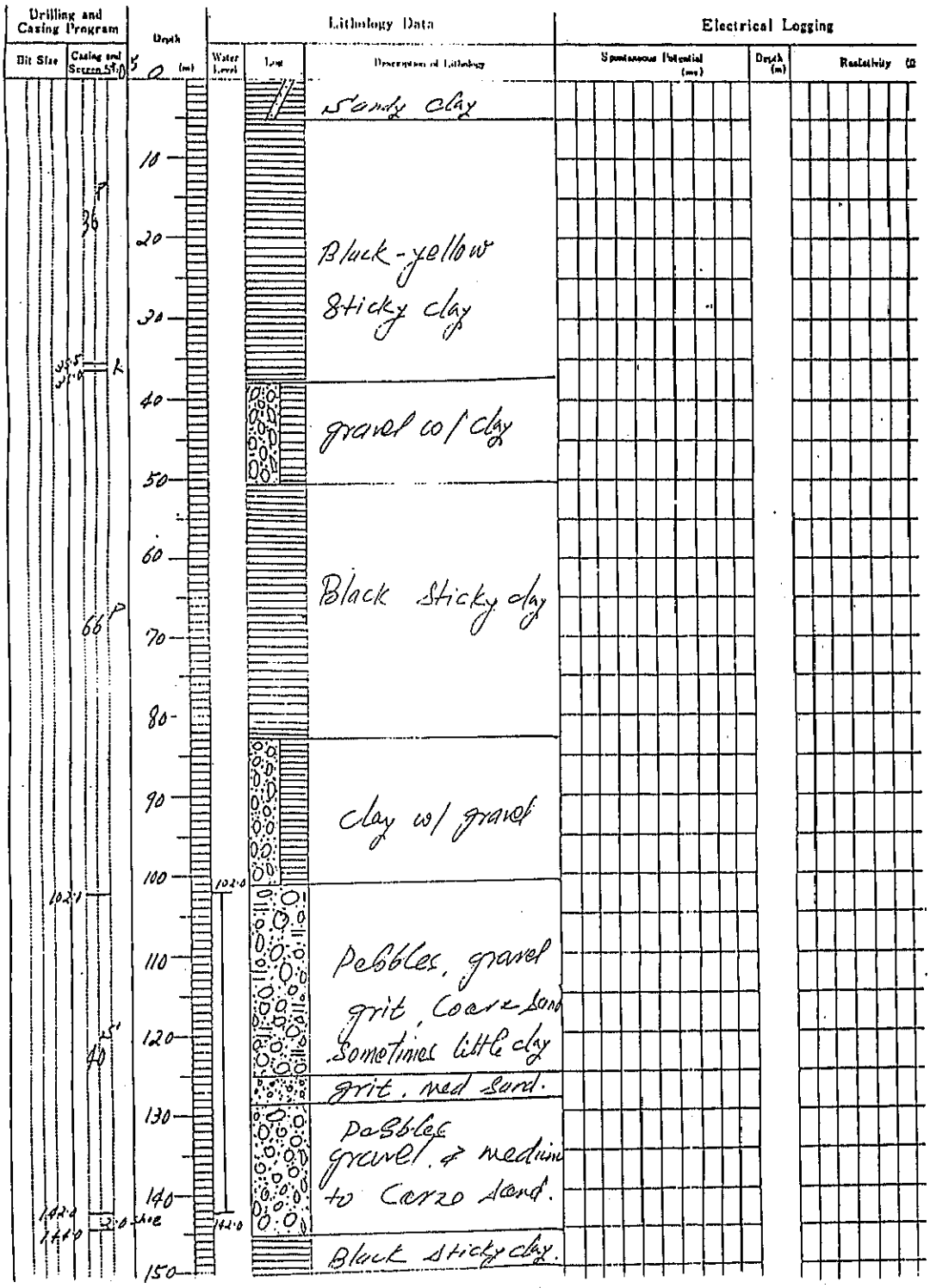
95

PROJECT NAME	J.A.D.P.	WELL NO.	17
AREA AND LOCATION	Kattapulla-1, Chanspur - Kattapulla Village Panchayat		
ELEVATION	m	LATITUDE	LONGITUDE
TOTAL DEPTH	144.0 m	DRILLING RIG	YRD. "50 LR"
DRILLING STARTED		DRILLED BY	D. N. Sen
WELL COMPLETED	Jan., 1986	LOGGED BY	M. Lamichhane

(N17)

STATIC WATER LEVEL	±0.0 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	m	CONDUCTIVITY	μ℧/cm
PUMPING RATE	10 l/sec (m³/d)	pH	
SPECIFIC CAPACITY	m³/d/m	TOTAL HARDNESS	

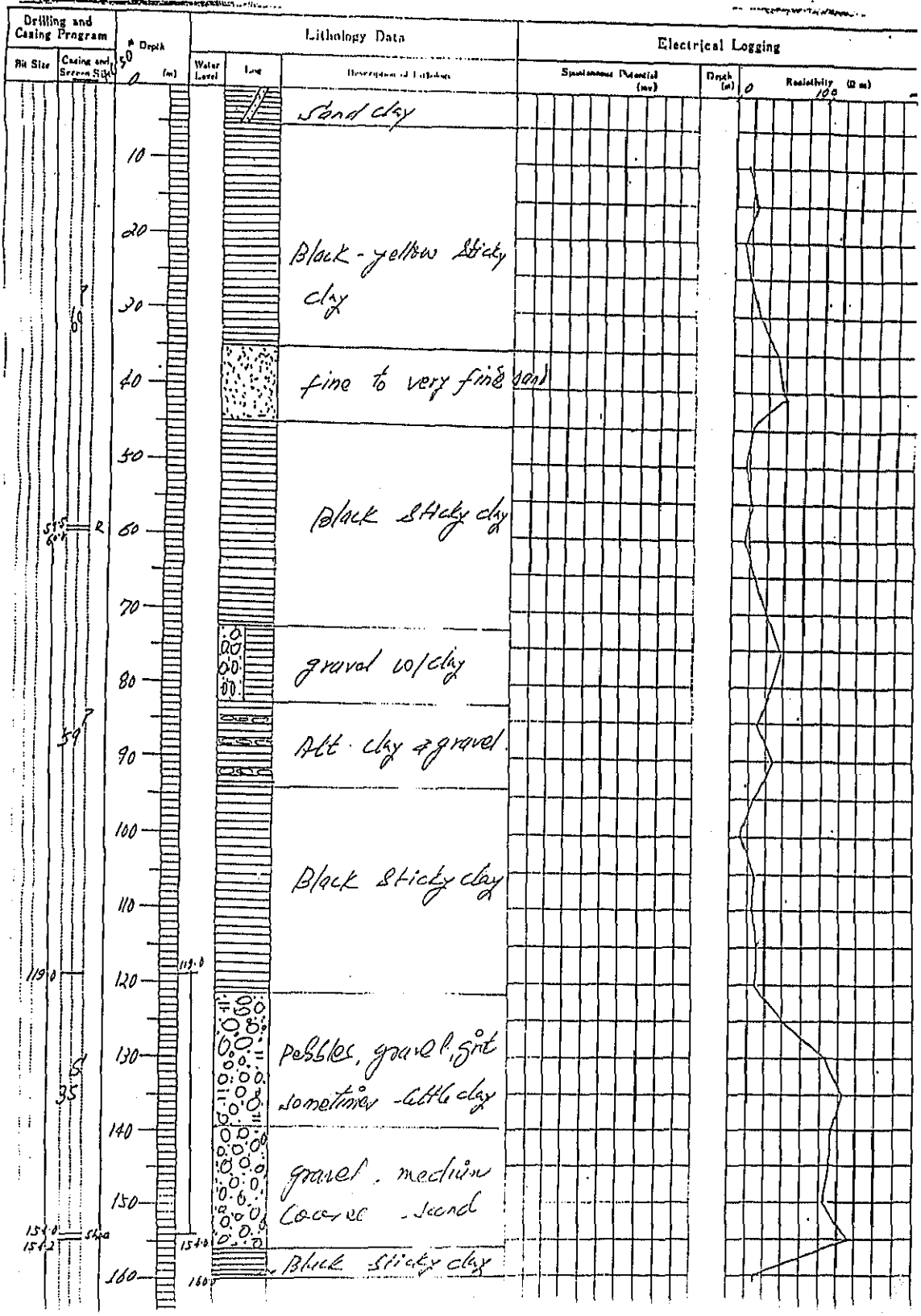
Non-flowing Artesian



(96)

PROJECT NAME	J.R.D.P.	WELL NO.	18
AREA AND LOCATION	Kumraha Tola, Hanspur-Katkabulla village		
ELEVATION	m	LATITUDE	LONGITUDE
TOTAL DEPTH	154.20 m	DRILLING RIG	YRD 501 R
DRILLING STARTED		DRILLED BY	D. N. Sen
WELL COMPLETED	Feb. 1986	LOGGED BY	P. Mukhiya

STATIC WATER LEVEL	+0.0 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	m	CONDUCTIVITY	μ℧/cm
PUMPING RATE	10.0 l/sec m³/d	pH	
SPECIFIC CAPACITY			



PROJECT NAME	J.A.D.P.	WELL NO.	19
AREA AND LOCATION	Pusbalpur, DHANUSA - DISTRICT, Pusbalpur village		
ELEVATION	m	LATITUDE / LONGITUDE	
TOTAL DEPTH	125.25 m	DRILLING RIG	Sudesh Rana
DRILLING STARTED		DRILLED BY	TRD '500'
WELL COMPLETED	Apr 1986	LOGGED BY	M. Lamichhane

STATIC WATER LEVEL	−45.0 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	−60.0 m	CONDUCTIVITY	μʊ/cm
PUMPING RATE	8.0 G/med m³/d	pH	

Drilling and Casing Program

Site | Casing and Screen | Site

Depth (m)

Lithology Data

Water Level | Log | Description of Lithology

Electrical Logging

Spontaneous Potential (mv) | Depth (m) | Resistivity (Ω m)

0 | 100 | 200

0 Pebbles, Fine Sand

10 Coarse sand Pebbles, Cobbles

20 Black clay

30

84.0

40 pebbles. gravel Alt. clay

50

60

70 Gravel, Coarse sand w/ clay

Fine gravel w/ clay

80 yellow sticky clay

83.5 R
84.0 6 P
89.5 5.5 F

89.5

90 gravel, pebbles, C.S

95.0

95.0 8.25 F

100 yellow sticky clay

103.25

103.25 5.5 SS
5.5 SS
5.5 SS
5.5 F

110 pebbles, gravel & Coarse sand

119.75 5.5 F

119.25

120 yellow sticky clay

125.5

N19

98

2

WELL LOG

N20 Panchayat

PROJECT NAME	J. A. D. P.	WELL NO.	20
AREA AND LOCATION	Bhimarchowck (Yagya Bhumi Village		
ELEVATION	m	LATITUDE	LONGITUDE
TOTAL DEPTH	119.50 m	DRILLING RIG	YRO "50LR"
DRILLING STARTED		DRILLED BY	G. Joshi
WELL COMPLETED	Feb 1986	LOGGED BY	M. Lamichhane

STATIC WATER LEVEL	-42.0 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	m	CONDUCTIVITY	µ℧/cm
PUMPING RATE	15 lit/sec m³/d)	pH	

Drilling and Casing Program (Bit Size; Casing and Screen Size): 66 R; 65.5 / 64.0 R; 5 S; 71.0; 12 R; 83.0; 15 S; 12.75; 95.75; 6 P; 101.75; 15 S; 15; 116.75; 2.75 shoe; 119.50

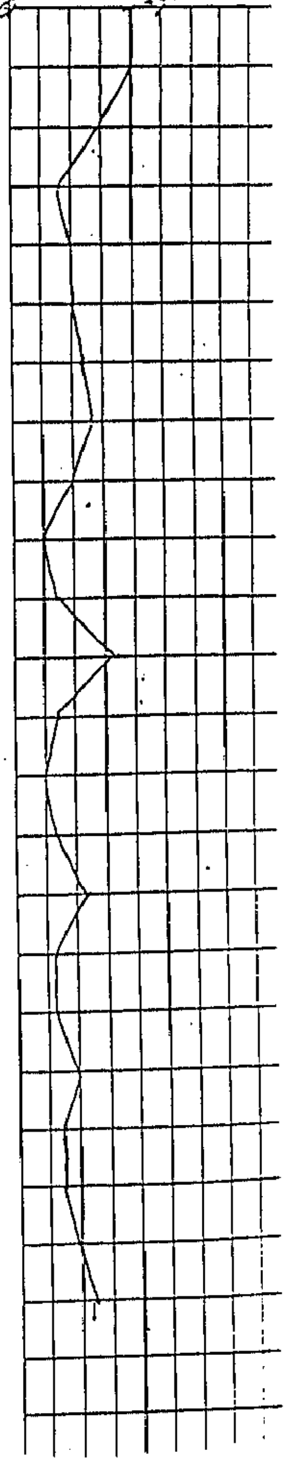
Lithology Data

Water Level: 66.0, 71.0, 83.0, 95.75, 101.75, 116.75

Depth (m)	Description of Lithology
0	Sandy clay
10	Fine gravel w/ c.s
20–30	Black Sticky clay
40	gravel w/ clay
50	Black - yellow sticky clay
60–70	Fine gravel, gravel Coarse sand
80	Black sticky clay
90	Pebbles, gravel grit Med. to fine sand
	Black sticky clay
100	Coarse sand grit, gravel
110	Pebbles, Cobbles sand
120	Black Sticky clay

Electrical Logging

Spontaneous Potential (mv) | Depth (m) 0 | Resistivity (Ω m) ×100



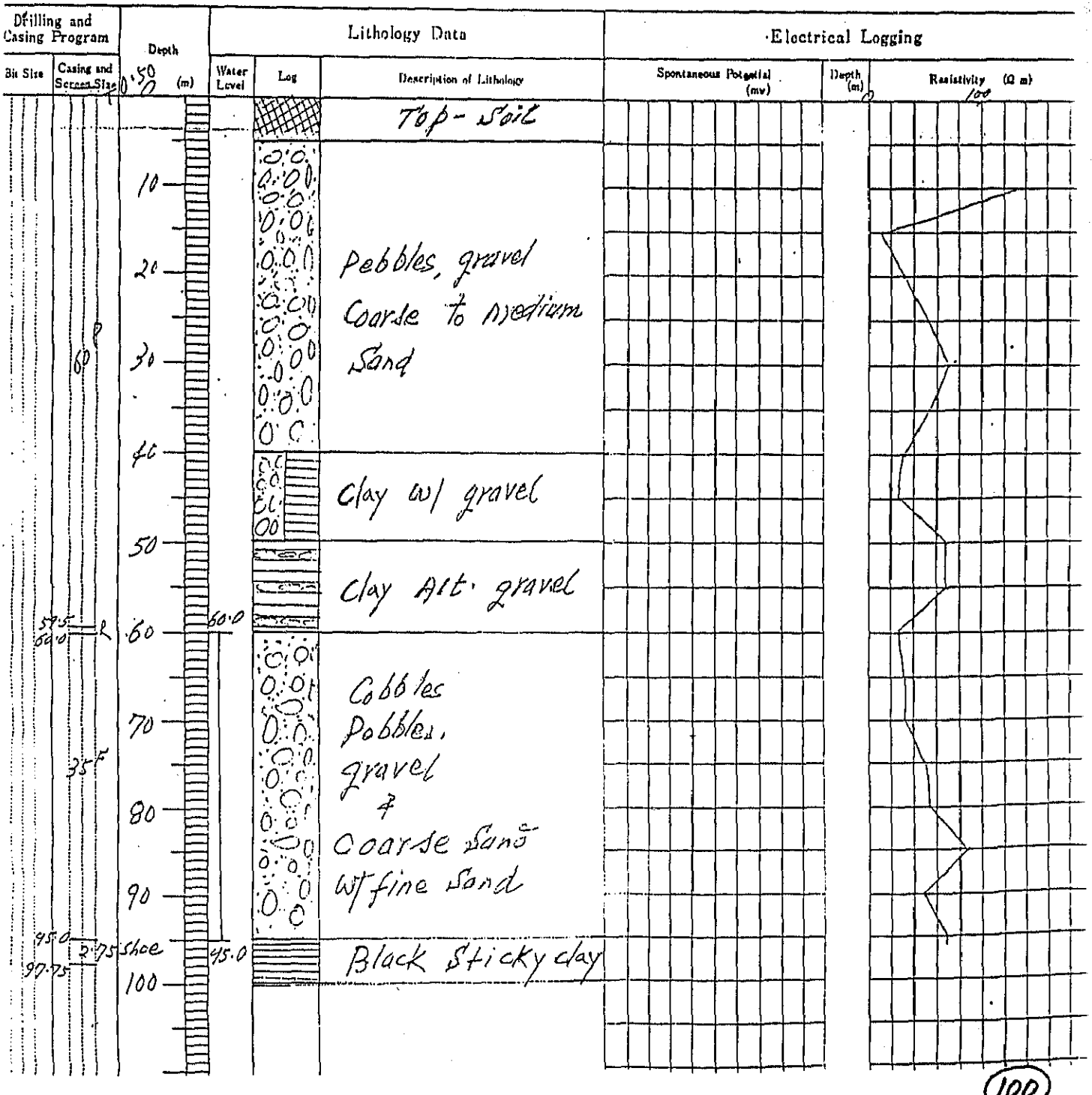
21

WELL LOG

N21

PROJECT NAME	J. A. D. P.	WELL NO.	21
AREA AND LOCATION	DADATOLE (Yagabhumi Village Panchayat)		
ELEVATION	m	LATITUDE	LONGITUDE
TOTAL DEPTH	97.75 m	DRILLING RIG	YBM 500R
DRILLING STARTED		DRILLED BY	S. Jha
WELL COMPLETED	Feb 1996	LOGGED BY	M. Lamichhane

STATIC WATER LEVEL	-39.0 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	m	CONDUCTIVITY	μʊ/cm
PUMPING RATE	15.0 l/min (m³/d)	pH	
SPECIFIC CAPACITY	m²/d/m	TOTAL HARDNESS	



100

PROJECT NAME	J. A. D. P.	WELL NO.	22
AREA AND LOCATION	Maltole, Umaprempur Village Panchayat		
ELEVATION	m	LATITUDE	LONGITUDE
TOTAL DEPTH	132.0 m	DRILLING RIG	YRD '501R'
DRILLING STARTED		DRILLED BY	S. Jha
WELL COMPLETED	May 1986	LOGGED BY	M. Lamichhane & P. Mukhiya.

(N22)

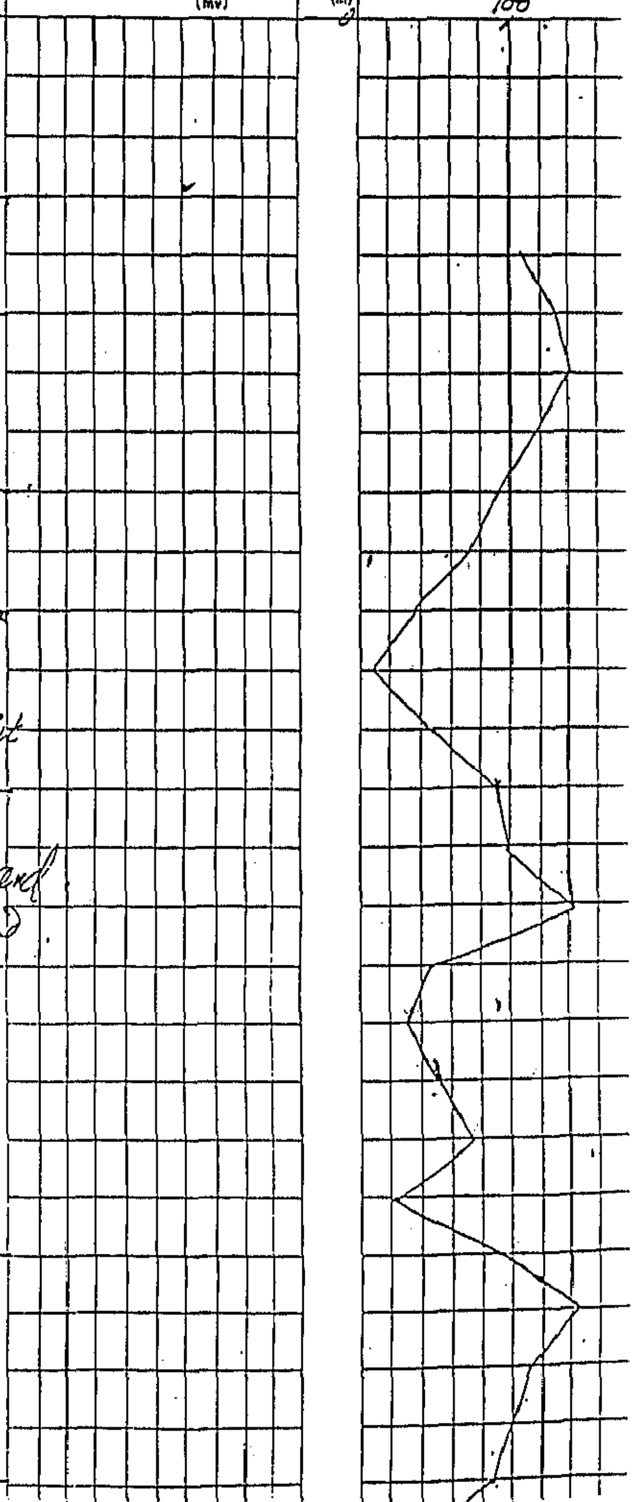
STATIC WATER LEVEL	-45.0 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	m	CONDUCTIVITY	μ℧/cm
PUMPING RATE	10.0 l/sec m³/d)	pH	
SPECIFIC CAPACITY	m³/d/m	TOTAL HARDNESS	

Lithology Data

Drilling and Casing Program	Depth (m)	Water Level	Description of Lithology
	0–15		gravel & Course Sand
	15–25		Black Sticky clay
	25–40		gravel w/ clay
	40–50		Blackish yellow Sticky clay
	50–65		Medium to Course sand w/ gravel & grit
65.5, 66.0 R; 11 S; 77	65–80	66.0 – 77.0	gravel w/ med. sand & Coarse sand
28 P; 105	80–105		clay w/ grit
21.5 S; 126.5	105–126.5	105.0 – 126.5	Coarse sand Medium sand gravel, pebbles & Cobbles

Electrical Logging

Spontaneous Potential (mv) | Depth (m) | Resistivity (Ω m)



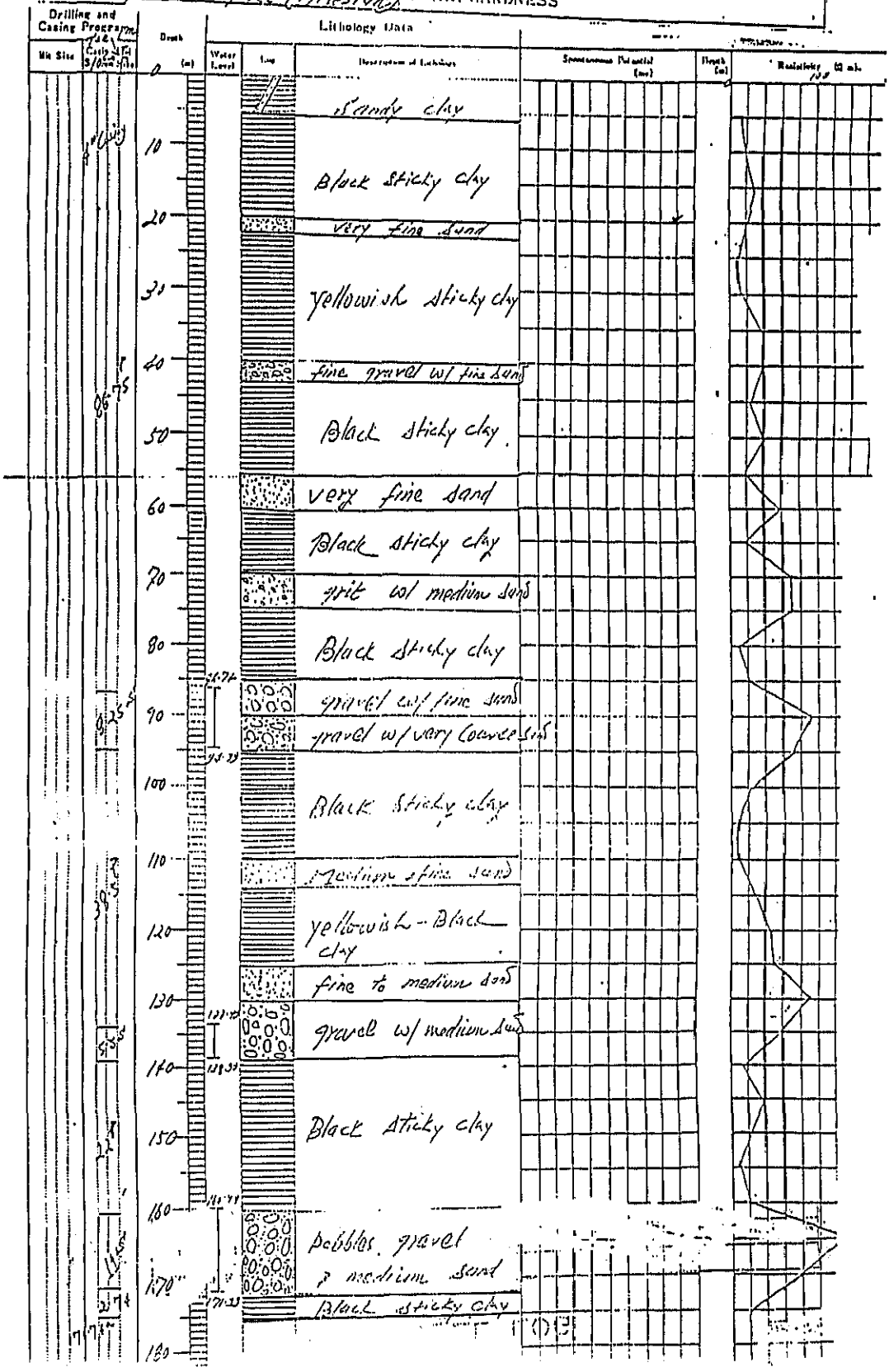
23

(101)

PROJECT NAME	J-A-D-P.	WELL NO.	27
AREA AND LOCATION	Janaki Tamakh		Janakpur Town Panchayat
ELEVATION		LATITUDE / LONGITUDE	
TOTAL DEPTH	174.74 m	DRILLING RIG	R.B. K.C.
DRILLING STARTED		DRILLED BY	"707" "150" (Tractor Mounted)
WELL COMPLETED	May 1986	LOGGED BY	P. Mukhiya

(N23)

STATIC WATER LEVEL	+1.000 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	-5.00 m	CONDUCTIVITY	µS/cm
PUMPING RATE	25.0 l/sec m³/d	pH	
SPECIFIC CAPACITY	5.0 l/sec (Artesian)	TOTAL HARDNESS	



Test Boring No.1

工事名 DHOLLIKERA, DHANDHUKA DISTRICT

施工地 J.A.D.D

J1

工期 着工 1977 (2004-4-14) 年 June 月 26 日

竣工 1977 年 July 月 29 日

July, 1977

さく井口径 150/100 mm

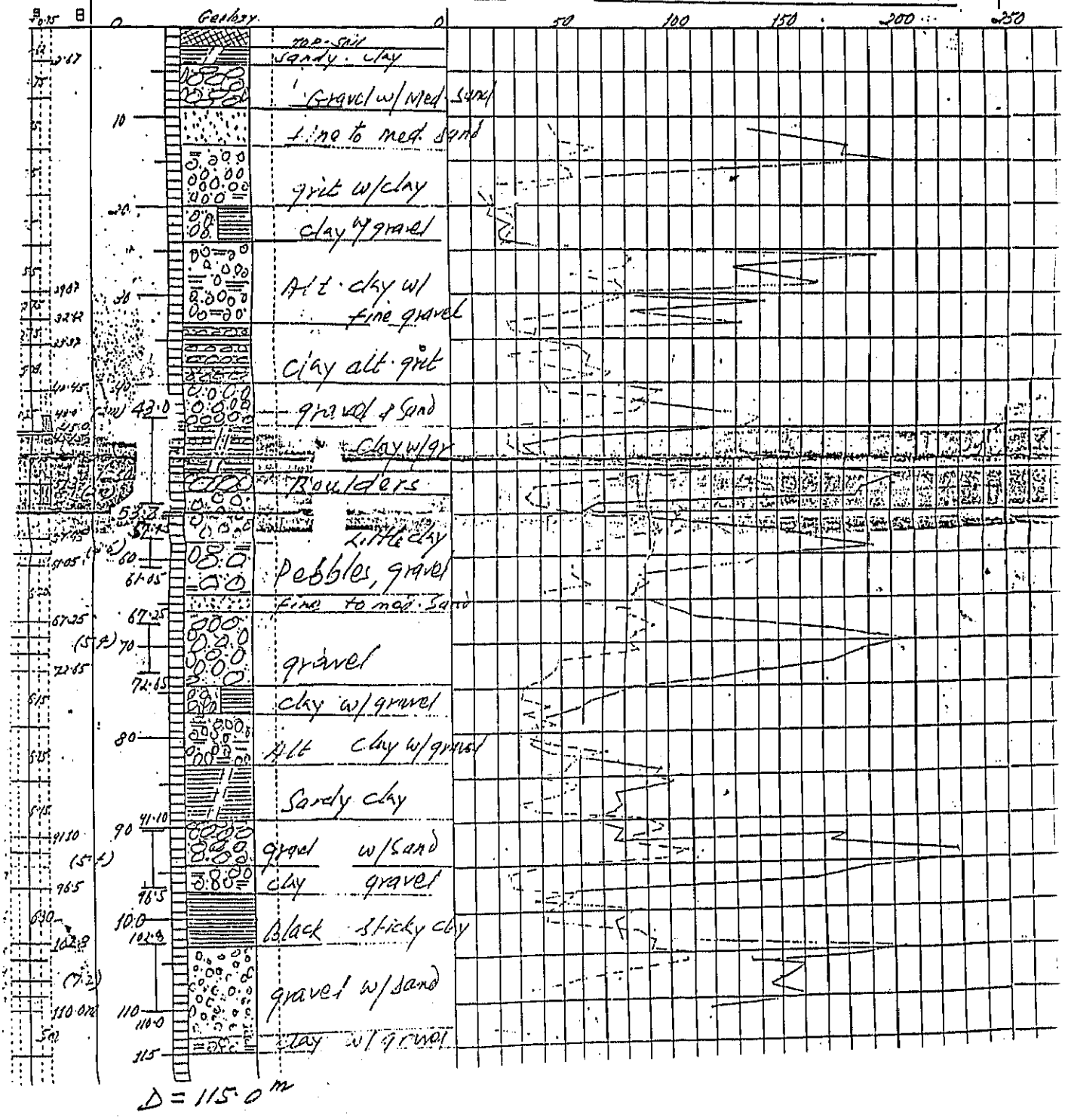
さく井深度 ~~Depth~~ 115.5 m

堀さく日数 日

自然水位 TBM 72"A" Rig Machine m

揚水水位 m

揚水量 m³/d



工事名 TANALPUR ZONE AGRI DEVELOPMENT PROJECT
DRILLING COMPANY

施工地 CENTRAL OFFICE NAKTATHIT DHANUSA (J-9)
DRILLING PLACE

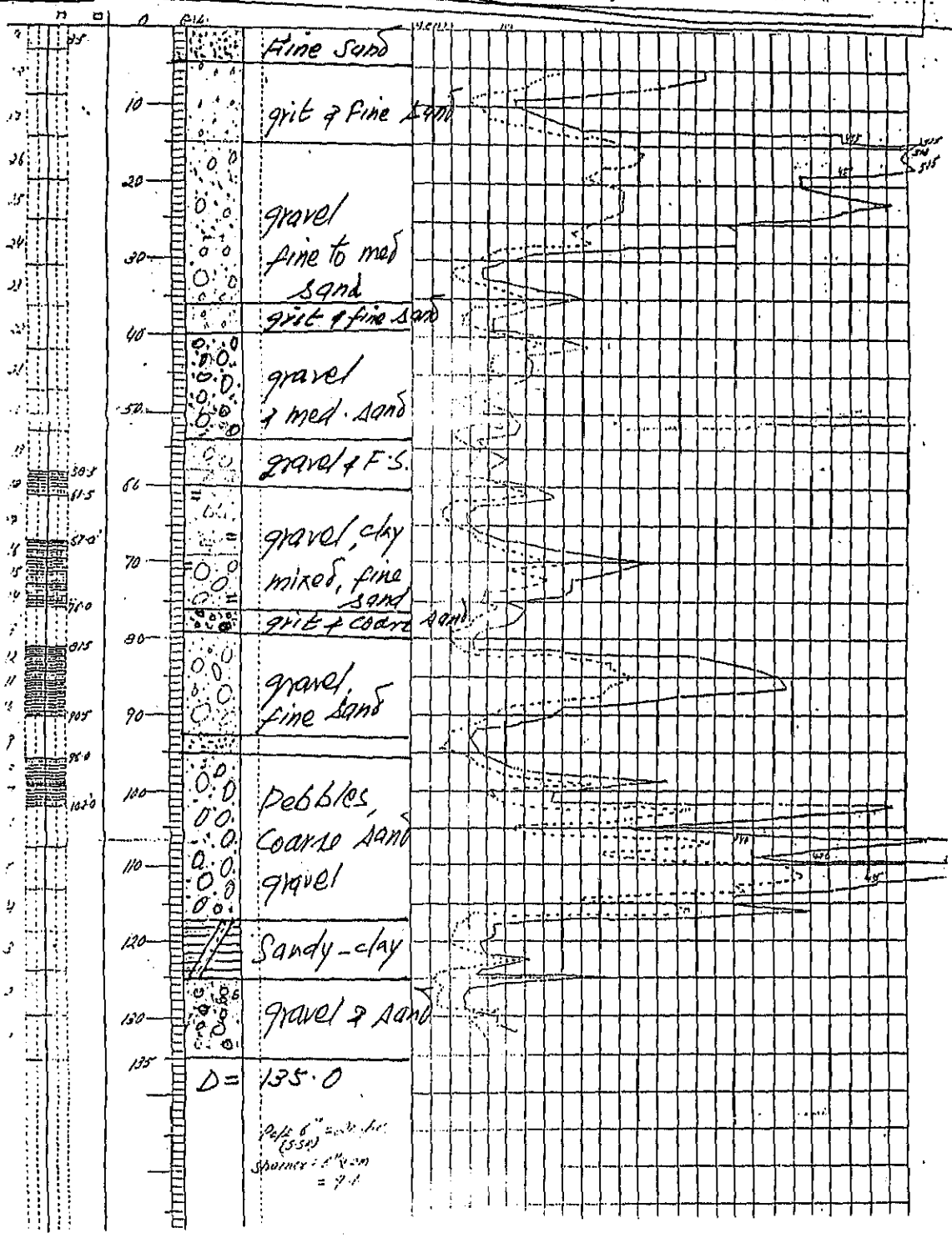
工期 DATE

着工 1974 年 12 月 17 日
STARTING DATE YEAR MONTH DAY

竣工 1975 年 1 月 3 日
CLOSING DATE YEAR MONTH DAY

Jan, 1975

鑿井口径 DIAMETER OF THE DRI. HOLE	m/m	自然水位 NATURAL LEVEL OF WATER	-14.350 m
鑿井深度 DRILLING DEPTH	Deblg: 135.0 m	揚水水位 MIN DRAW DOWN W. LEVEL	16.88 m
堀鑿日数 DURATION OF DRILLING	14 日	揚水量 TOTAL DISCHARGE	Not Available m³/D
鑿井機	TBM. 72	水温 TEMPERATURE OF DISCHARGE	°C
鉄管		ストレーナ	



J.T.A.C., Janakpur, NEPAL

Tobacco Processing Factory, Mahendra Nagar No1.

(J3)

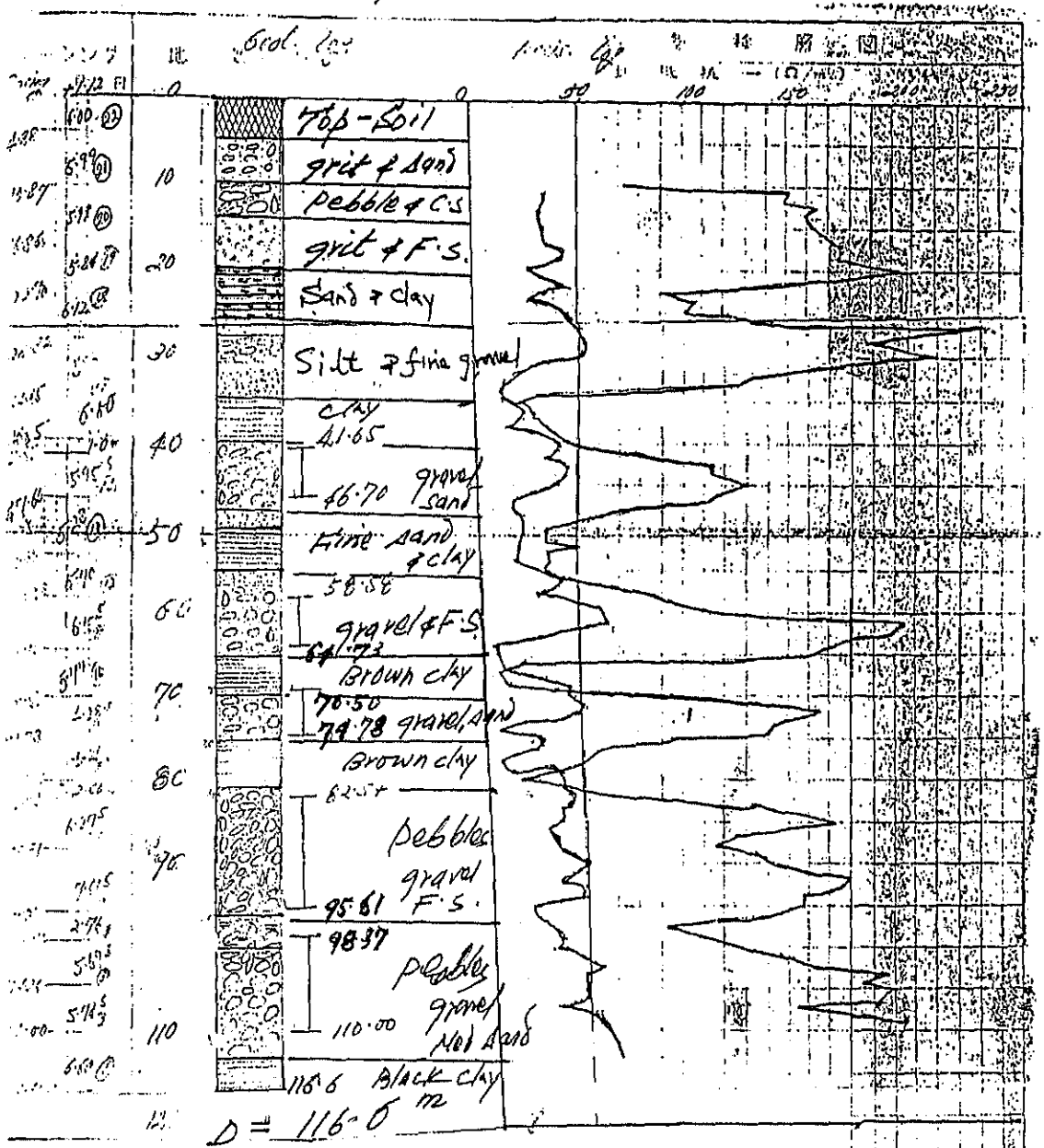
Date: 1980 Mar 11 — 1980 Apr 19

Apr, 1980

300/200 m/m

Depth: 116.60 m

28 days



INDEX:

F.S = Fine sand

C.S. = Coarse sand

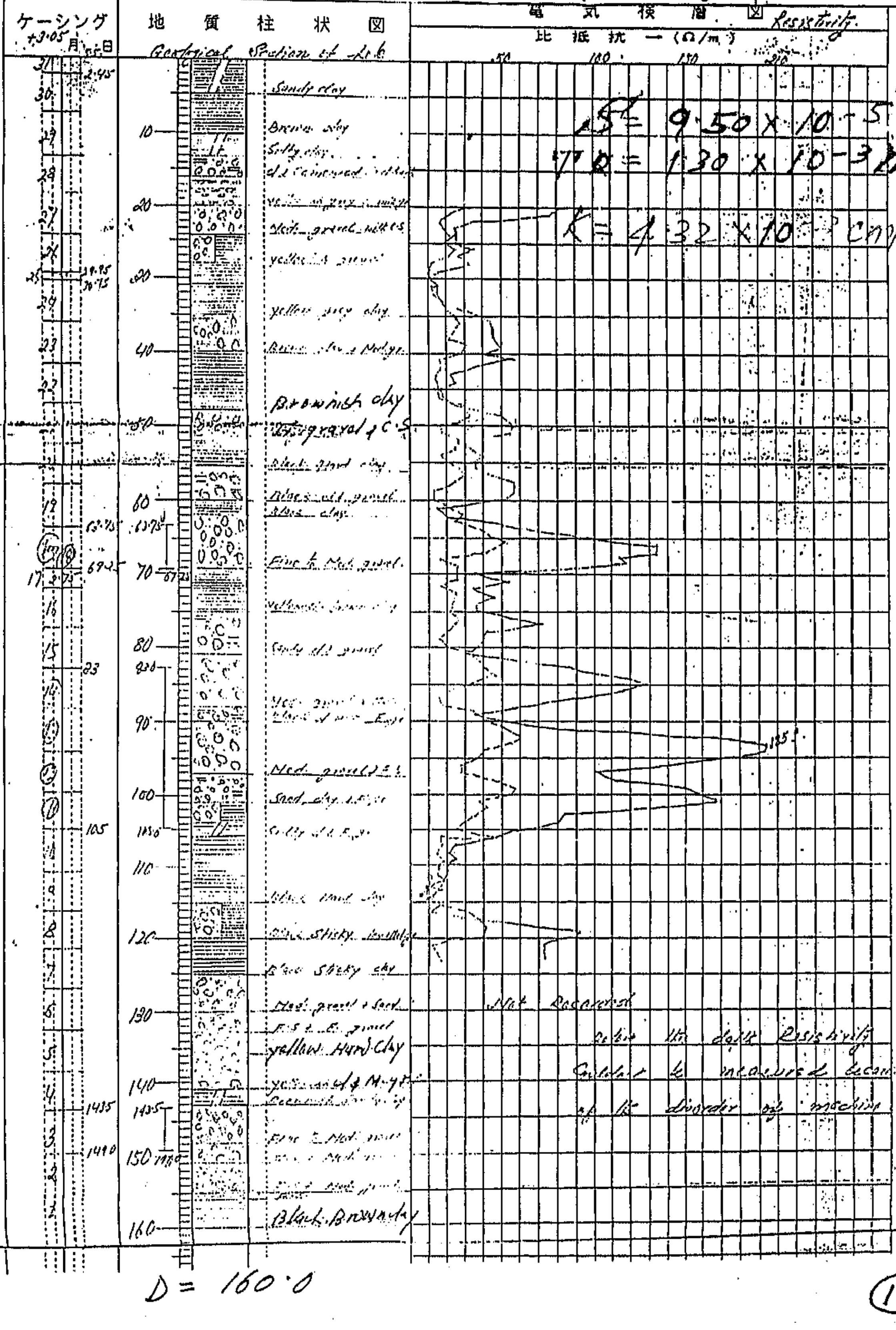
I = Strainer position

(J4)

工事名	HARDINATH AGRICULTURE AGRICULTURE		
Drilling Place: 施工地	FARM, BANENIYA, DHANUSA, NEPAL, No2		
工期 OPERATION PERIOD	着工	1977 / 2033 年	3 / 12 月 23 / 10 日
	竣工	1977 / 2033 年	4 / 12 月 3 / 19 日

Apr. 1977

鑿井口径 Dia. of Tube-Well	300/200 m/m	自然水位 N.L. of Water	+3.430 m
鑿井深度 Total depth	160.0 m	揚水水位 P.W. Level	-24.175 m
掘鑿日数 Operation Period	10 日 days	揚水量 Artesian discharge	(16.6 l/sec) 1418.24m³/D
鑿井機		水温	℃



D = 160.0

Horclenalt Agriculture Farm No 3

Started date: 1980

Completed date: 1980

Dia = 200/200

Depth = 104.50 m

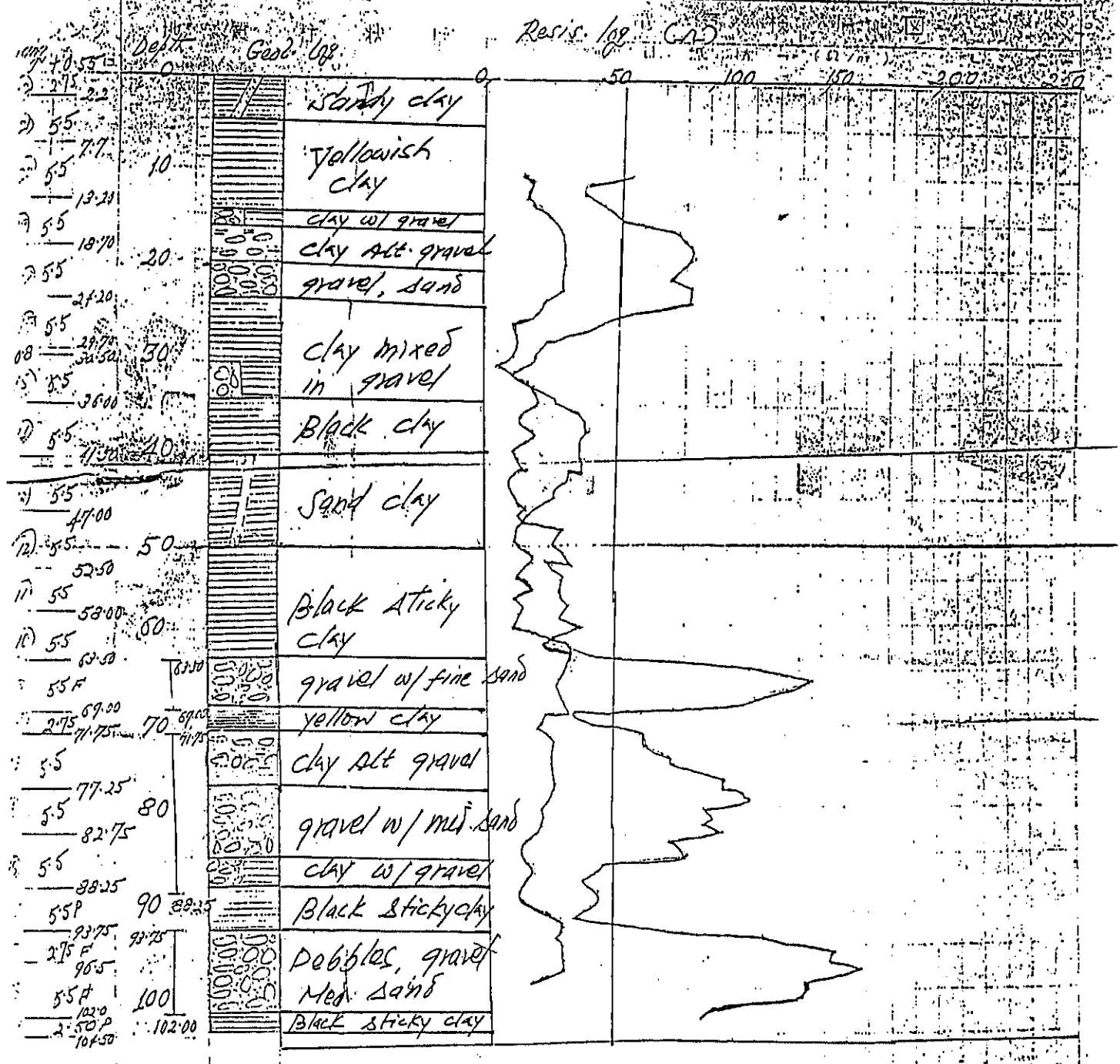
2037

JUNE, 1980

Artesian discharge =

水水位 + 1.50 m

Pumping discharge =



工事名	T.A. [illegible] ZONE
施工地	[illegible] Dzianessa , No1.
	I.A.P. Area No1
工期	着工 1976 年 Mar 月 5 日
	竣工 1976 年 Mar 月 21 日

Mar 1976

鑿井口径	[illegible] m/m	自然水位	+1.250 m
鑿井深度	Depth: 130・0 m	揚水水位	m
掘鑿日数	17 日	揚水量	25 l/sec m³/D
鑿井機	TBM "72 A"	水温	℃

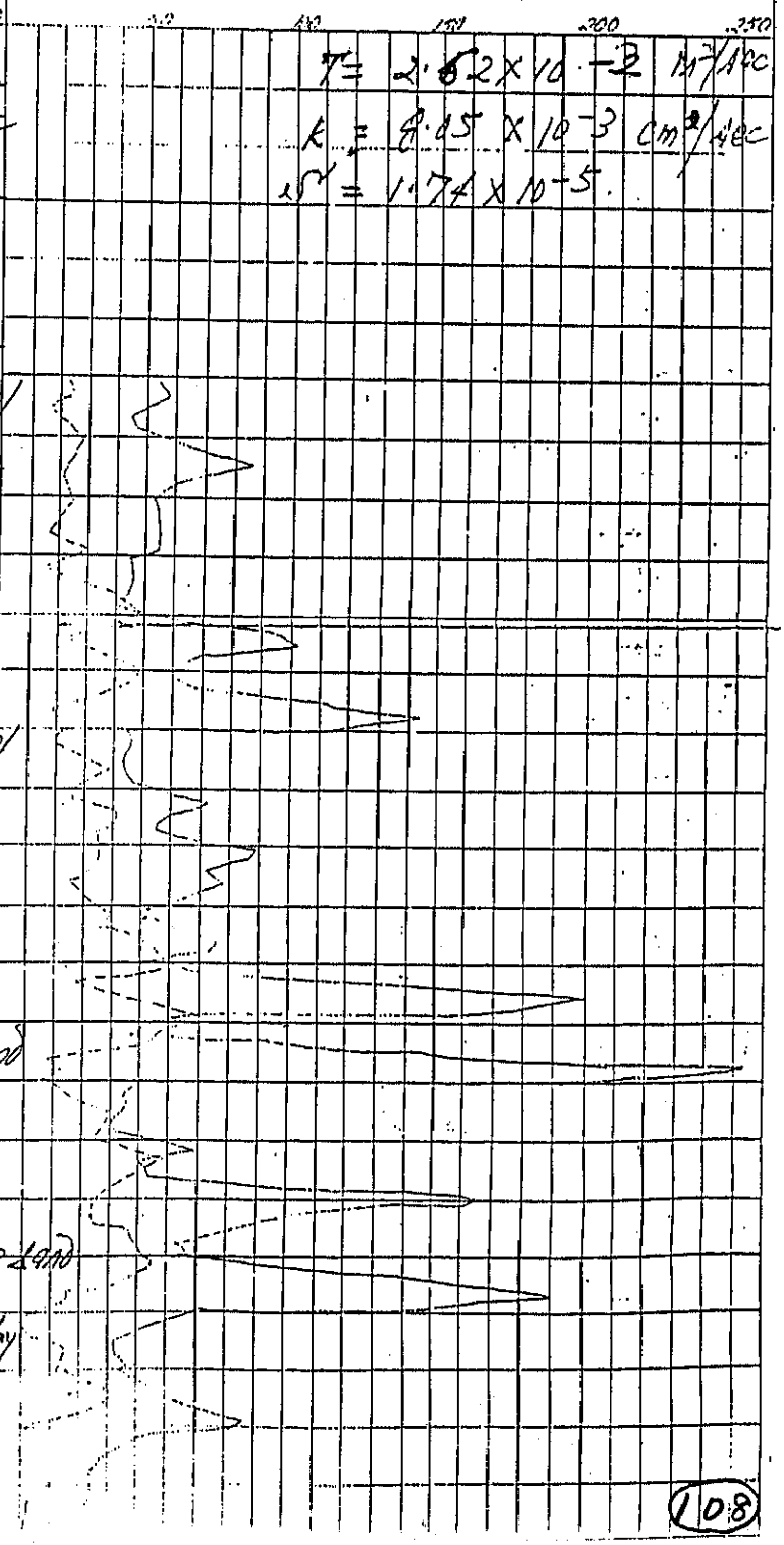
地質柱状図 — 比抵抗 → (Ω/m)

$\tau = 2.62 \times 10^{-2}$ m²/sec

$k = 8.45 \times 10^{-3}$ cm²/sec

$S = 1.74 \times 10^{-5}$

Depth (m)	Lithology
0	Sandy clay
	Brown clay
10	Very fine sand
20	gravel & medium sand
30	clay Alt gravel
40	Black Brow clay
48.5	clay w/ gravel
50	gravel w/ med. sand
59.5 / 60	clay Alt gravel
	clay & gravel
70	Pebbles, gravel & Coarse to medium sand
80 / 81.5	
90 / 92.5	Sandy clay
98 / 100	gravel w/ mostly coarse sand
109 / 110	Black sticky clay
	gravel w/ sand
120	Black-yellow sticky clay



J6

108

工事名 T.A.P. TANJUNG-ZINE

施工地 T.A.P. Area, South Ramin, No2

T.A.P. Area, No2

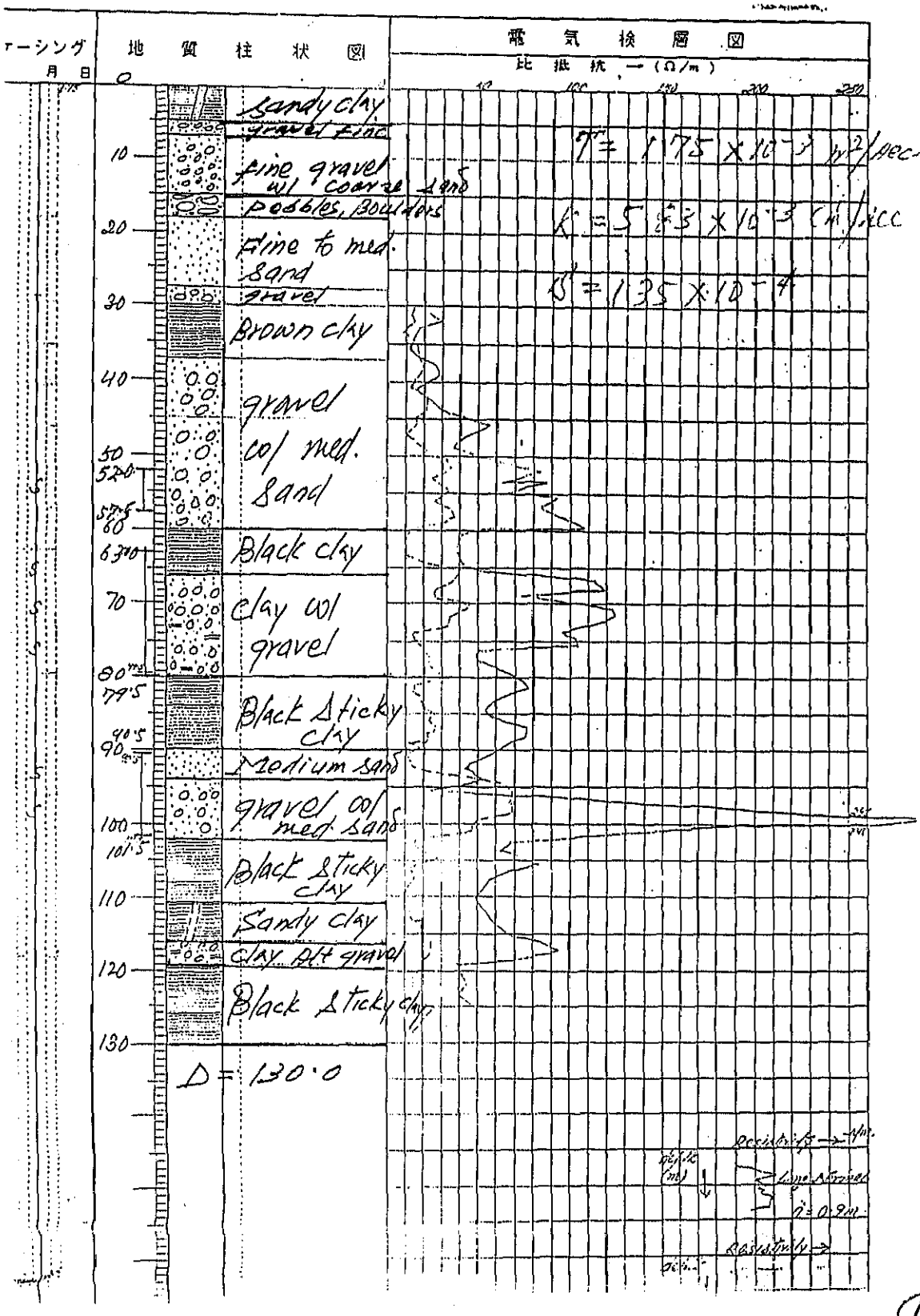
(J7)

工期 着工 年 月 日

竣工 年 Apr. 月 19 日

Apr. 1970

掘井口径	300 L200 mm	自然水位	+1.200 m
掘井深度	Depth 130.0 m	揚水水位	m
堀掘日数	13 日	揚水量	40 m³/D
掘井機		水温	℃



J8

工事名 I.A.P. AREA, RAMDIA - SOPHI

施工地 J?? MOHATAHAT (?), DHANUSA, No 8

I.A.P. AREA, NO3

工期 着工 1977 年 1 月 23 日 (2033 10 10)

竣工 1977 年 2 月 19 日 (2033 11 8)

Feb. 1977

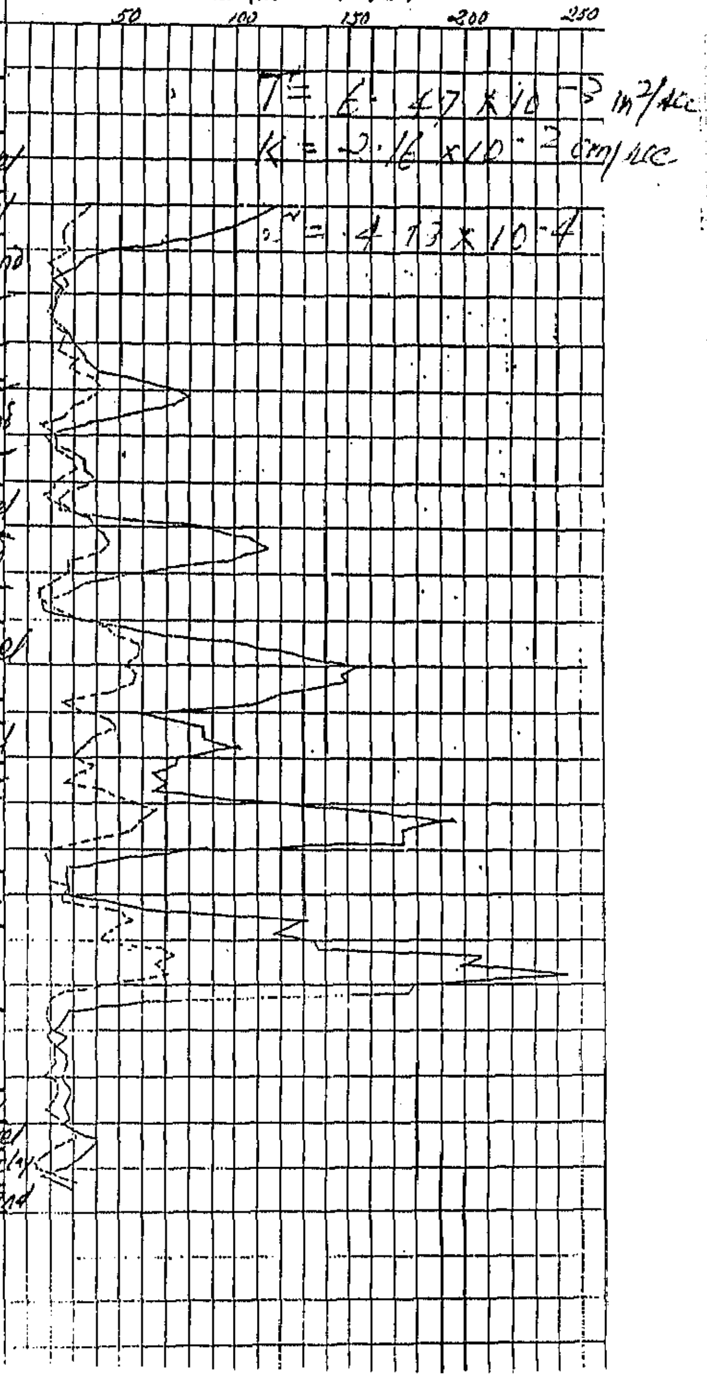
鑿井口径	300/200 mm	自然水位	+ 3.200 m
鑿井深度	130.0 m	揚水水位	[illegible] m
掘鑿日数	21 日	揚水量	22 l/sec ≈ 1900 m³/D
鑿井機		水温	℃

SHORT NORMAL = 0.3m
LONG NORMAL = 0.9m

ケーシング 月 日	地 depth	質 柱 状 図 geological section
	0	Sandy clay
	10	Brown clay
		clay Alt gravel
	20	clay w/ gravel
		gravel w/ sand
30.4	30	Black clay
		fine sand
	40	gravel
		gravel w/ sand
	50	clay
	53	clay Alt gravel
	60 (58.5)	gravel w/ sand
		Black clay
	64 – 70	Pebbles, gravel & C. sand
	75	Sandy clay
	80	Clay w/ gravel
		gravel
		clay
	84 – 90 – 91.5	gravel & sand
		Black clay
	97	Sandy clay
	100	clay w/ gravel & sand & clay
	109 – 110	Black sticky clay
		gravel w/ clay
	120	clay Alt gravel
		Black sticky clay
	130	gravel w/ sand

D = 130.0

電気検層図 Earth Resistivity
比抵抗 (Ω/m)



工事名 JANAKPUR ZONE AGRICULTURE DEVELOPMENT PROJ
NAME OF THE ORDER
施工地 I.A.P AREA, SAPHI DHANUSA, NO 4
DRILLING AREA
I.A.P. Area, No 4

(T9)

工期 着工 1975 年 MAR. 月 19 日
DRILLING DATE STARTING DATE YEAR MONTH DAY
竣工 1975 年 MAR. 月 25 日
COMPLETION DATE YEAR MONTH DAYS
Mar, 1975

掘井口径 DIAMETER OF DRILLING HOLE	m/m	自然水位 NATURAL LEVEL	+0.431 m
掘井深度 DRILLING DISTANCE	Deblk: 146.0 m	揚水水位 MAX DRAW DOWN LEVEL	m
堀掘日数 DRILLING PERIOD	7 日 days	揚水量 TOTAL DISCHARGE	1241.16 m³/D
掘井機 DRILLING MACHINE	TBM-2	水温	25.70 ℃
鉄管		ストレーナ DISCHARGE TEMPERATURE	

CASINGS ケーシング 月日

GEOLOGICAL SECTION OF HOLE 地質柱状図

0	Fine sand
10	Brown clay
	clay w/ gravel
	Fine gravel w/ sand
20	clay Alt. gravel
	Fine sand
30	Sandy clay
	Fine sand
40	clay Alt. gravel
	47.0
	58.0 clay
60	63.5
	gravel, sand
70	Sandy clay
	Clay w/ gravel
80	80.0
	85.5
90	91.0
	clay w/ gravel
100	gravel + sand
110	Black Sticky Clay
120	
130	Alt gravel & sand
	Sand Alt clay
140	gravel w/ sand
145 146	
	D = 146.0

電気検層図
比抵抗 → (Ω/m)
5 10 15 20

T = 2.94 X 10⁻² m²/sec
K = 9.79 X 10⁻³ cm/sec

工事名 JADP JANAKPUR-ZONE

施工地 I A D AREA SOPHI-RAMDIA, NOS

I·A·P· AREA, NOS (J10)

工期 着工 1976 年 May 月 5 日

竣工 1976 年 May 月 11 日

May. 1976

盤井口径 300/200 m/m 自然水位 +1.800 m

Depth 130.0 m 揚水水位

月日 地質柱状図 比抵抗 —(Ω/m)

1 100 150 200 250

$\rho = 8.5 \times 10^{-4}$

$K = 3.29 \times 10^{-3}$

$kf = 6.32 \times 10^{-5}$

0 Sandy clay

10 Medium sand

20 grit w/ fine sand

30 Brown clay

gravel w/sand

40 clay Alt. gravel

Black clay

50 clay Alt. gravel

gravel, Coarse to med-Sand

60 Black sticky clay

gravel w/ C. sand

clay Alt gravel

gravel w/clay

80 Brown clay

gravel w/ med. sand

90 yellowish-Black clay

gravel w/ C. sand clay

100

clay Alt Pebbles & Coarse sand

110

Black sticky clay gravel

120 Black sticky clay

130

D = 130.0

(112)

J 11

工事名 I.A.P. ... ZONE

施工地 I.A.P. Area ... No6

I.A.P. Area, No6

工期 着工 1976 年 Feb 月 2 日

竣工 1976 年 Feb 月 17 日

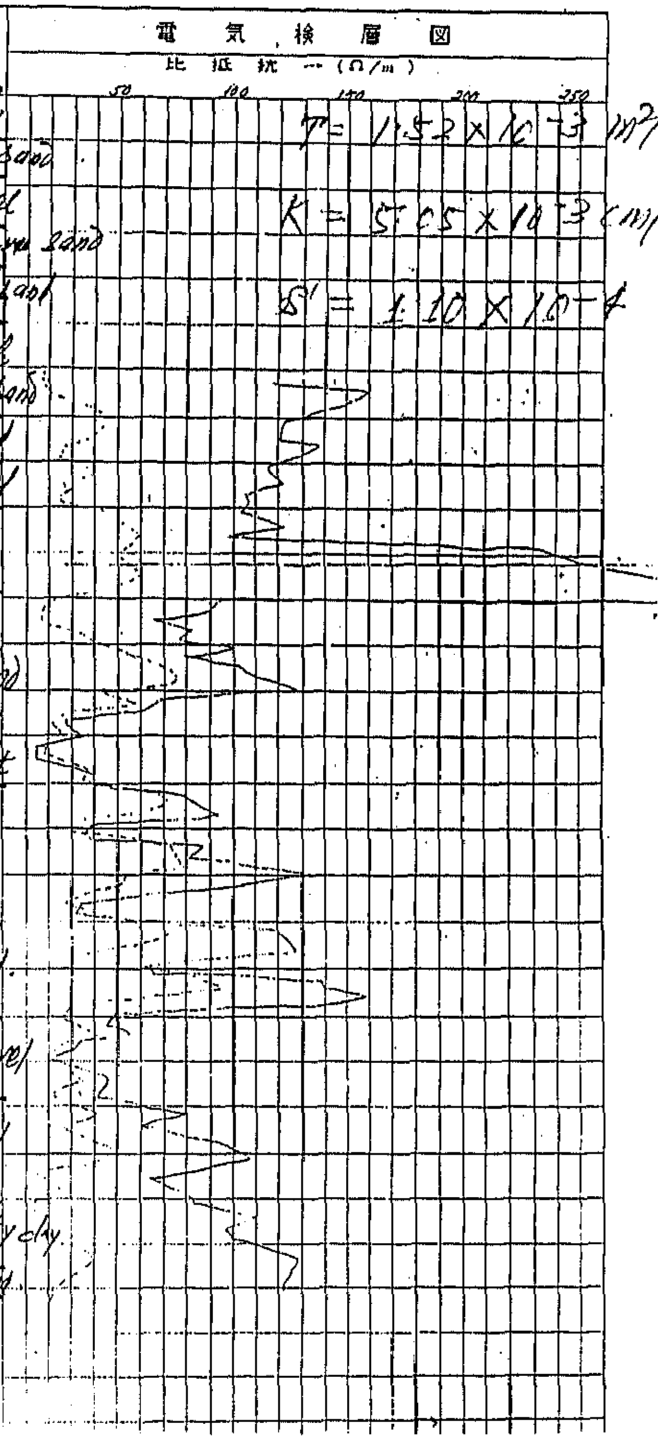
Feb, 1976

鑿井口径	300/200 m/m	自然水位	+1330 m
鑿井深度	131.0 m	揚水水位	m
堀鑿日数	16 日	揚水量	3042 m³/D

ケーシング 月 日 | 地質柱状図 | 電気検層図 比抵抗 (Ω/m)

地質柱状図
Sandy clay
clay w/ fine sand
clay w/ gravel
grit w/ coarse sand
clay w/ fine sand
fine gravel with med. sand
gravel w/ sand
clay alt. gravel
gravel, med. sand
Sandy clay
gravel w/ sand
clay alt. sand
clay, gravel, silt
clay (little)
gravel & med. sand
gravel & med. sand
clay w/ gravel
clay w/ gravel
Black sticky clay
gravel & c. sand

D = 131.0



$T = 1.52 \times 10^{-3}$ m²/sec

$K = 5.05 \times 10^{-3}$ cm/sec

$S' = 1.10 \times 10^{-4}$

工事名 JANAKPUR ZONE AGRICULTURE DEVELOPMENT PROJECT

施工地 I A P AREA SOANI, DHANUSA DISTRICT NO7

I. A. P. Area. No. 7

(J12)

工期 DATE

着工 STARTING DATE 1975 年 Feb. 月 27 日
YEAR MONTH DAY

竣工 CLOSING DATE 1975 年 MAR. 月 2 日
YEAR MONTH DAY

MAR. 1975.

盤井口径 DIAMETER OF DRILLING HOLE	m/m	自然水位 NAT. YELOCITY	m
盤井深度 DEPTH	156.0 m	揚水水位 MAX DRAW DOWN LEVEL	m
掘盤日数 DRILLING PERIOD	5 日	揚水量 TOTAL DISCHARGE	416.03 m³/D
盤井機 TYPE		水温	25℃

CASSING PIPE ケーシング

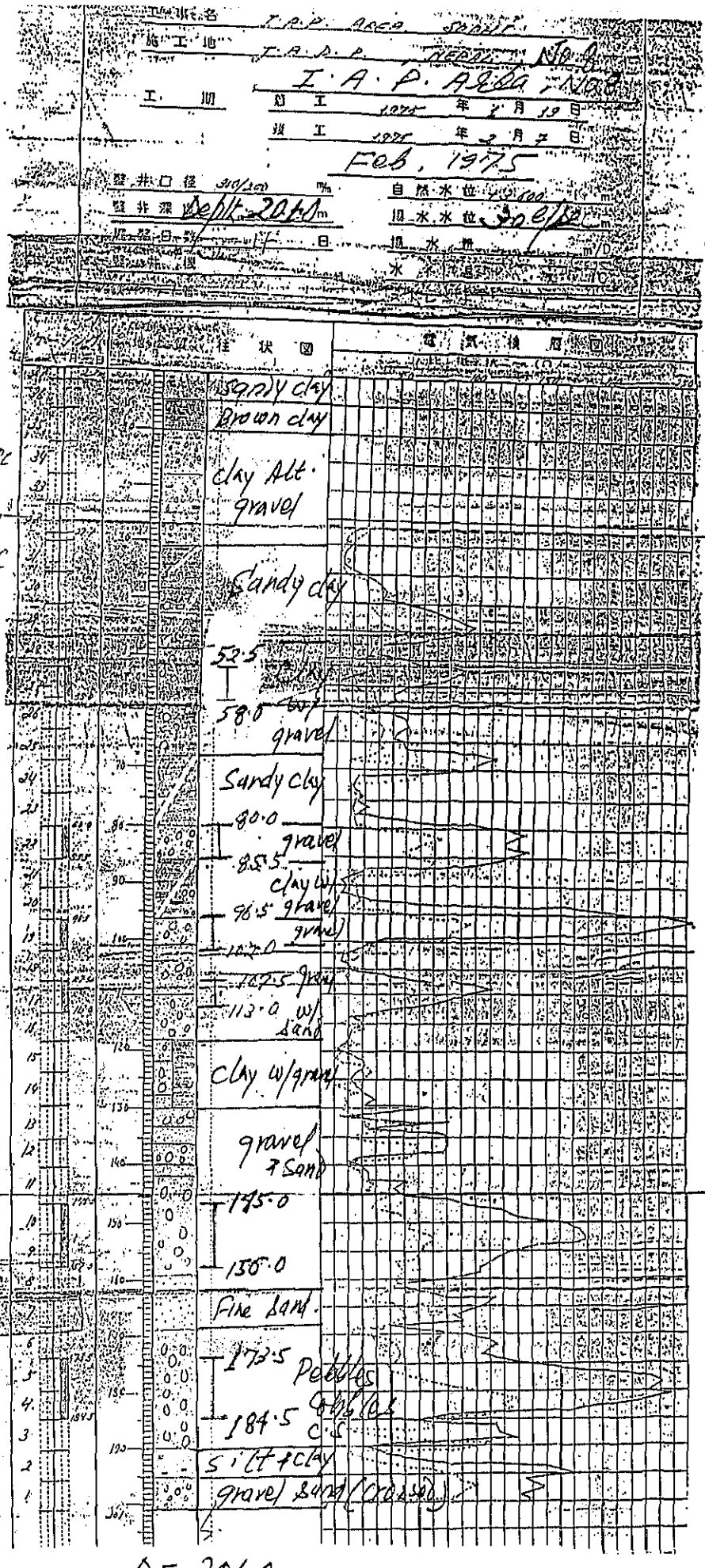
GEOLOGICAL SECTION 地質・柱状図

電気検層図 EARTH RESISTIVITY 比抵抗 —(Ω/m)

0	Top-Soil
10	Sandy clay
20	Clay w/ gravel
30	Brown clay
40	gravel w/ sand
60	Clay w/ gravel
70	grit w/ fine sand
80	Black Sticky clay
90	clay w/ gravel
100	fine sand w/ clay
110	clay w/ gravel
120	gravel w/ fine sand
130	very fine sand with gravel & grit
140	Little Clay with gravel & fine sand
150	

D = 156.0

(114)



J.13

$T = 2.179 \times 10^{-2}$ m²/sec

$K = 8.98 \times 10^{-3}$ cm/sec

$D = 201.0$

工事名 DRILLING PLACE I.A.P AREA SOUTH DHANUSA-DISTRICT NO9

施工地 OFFICE J.A.A.P. NEPAL

I·A·P AREA, NO9

工期 PERIOD

着工 STARTED 1977 年 5 月 1 日

竣工 CLOSED 1977 年 5 月 11 日

May, 1977

(J14)

(2)

盤井口径 300/200 mm

盤井深度 TOTAL DEPTH 130.30 m

自然水位 N.L OF WATER +5.390 m

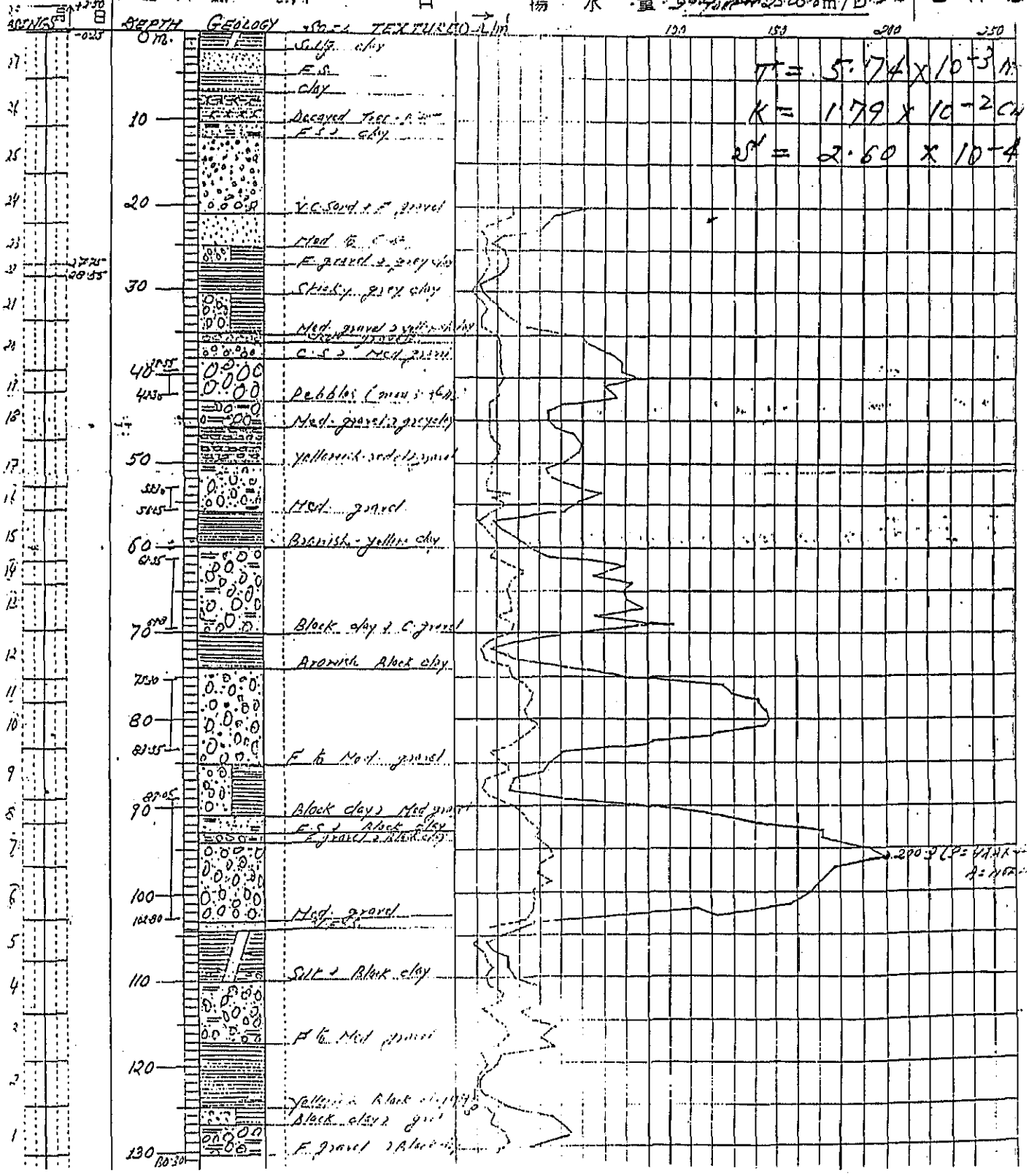
揚水水位 -6.068 m.

揚水量 [illegible] m³/D

T = 5.74 x 10+3

K = 1.79 x 10-2

S = 2.60 x 10-4



38

D = 130.30

(116)

Name of the Site:- 工事名 HARTICULTURE FARM. JANAKPUR-DHAM

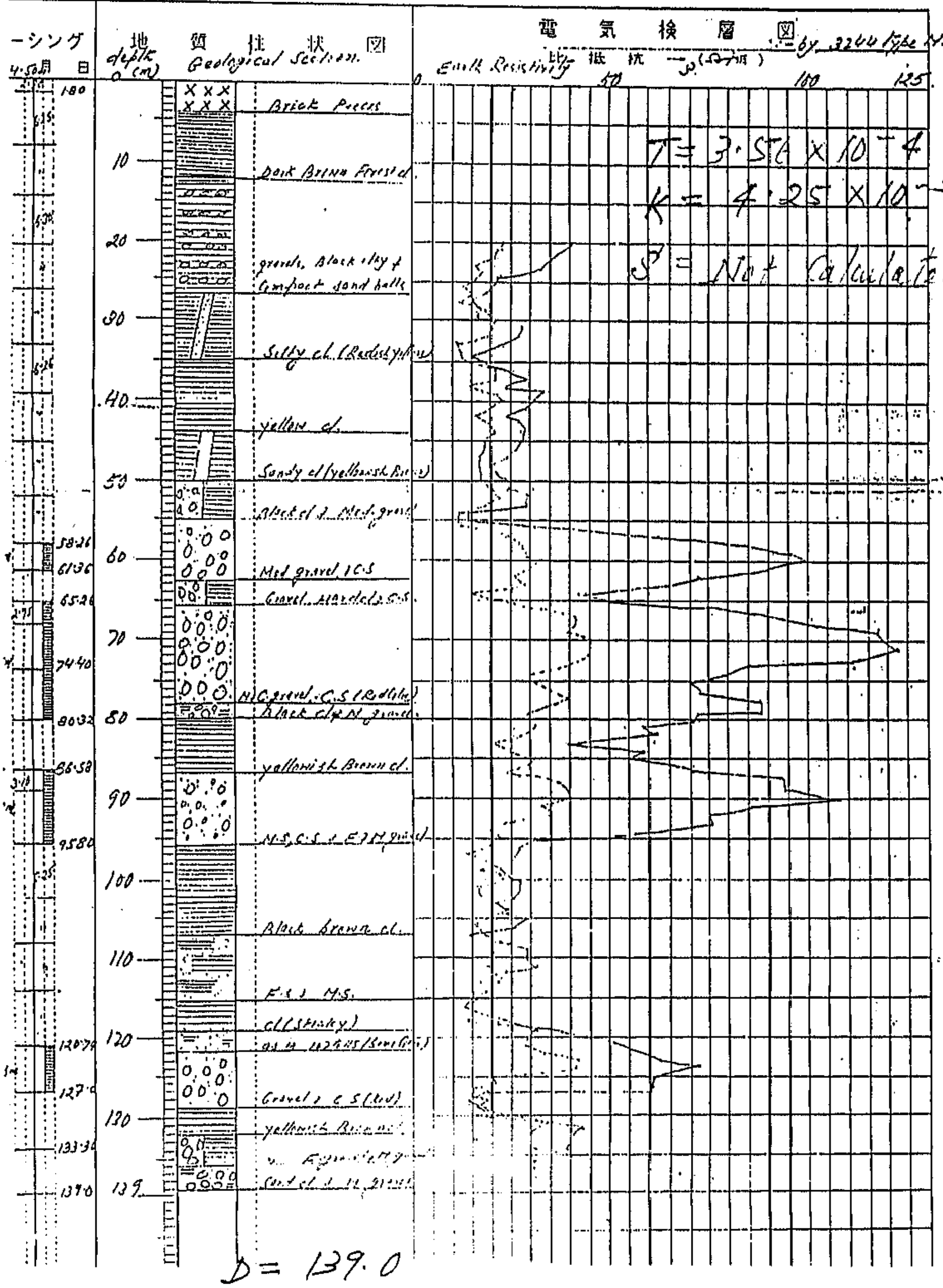
Name of the office:- 施工地 Horticulture Farm. J.A.D.P. NEPAL.

(JI5)

工期 Drilling period	着工 Starting date -	1976 / 2033	年 11 月 10 日 / year 7 month 25 day (Nepali)
	竣工 Close date -	1976 / 2033	年 12 月 2 日 / 8 17

Dec, 1976

鑿井口径 Dia. of pipe:	200 m/m	自然水位 N.L. of Water:-	+1.000 m
鑿井深度 Depth: Total depth:-	139.0 m	揚水水位 Max. draw down:-	-4.935 m
堀鑿日数 Period of drilling:-	23 日	揚水量 Artesian discharge	6 l/s = 518.4 m³/D
鑿井機 Drilling Machine	TBM-72A	水温 Temp. of Water:-	20.1 l/sec
鉄管 Type drilling:-	Rotation	ストレーナ Pumping Capacity:-	



T = 3.56 × 10⁻⁴ m²/sec

K = 4.25 × 10⁻⁵ cm/sec

S = Not Calculated

株式会社 日 さ く

(J.16)

工事名 J.A.D.P. Janakpur NEPAL

施工地 Fisheries Development Centre NO2 Janakpurdham (Janakpur Tou package

工期 着工 1979 年 1 月 16 日 (10 5)

竣工 1979 年 2 月 16 日 (11 5)

Feb. 1979 Artesian discharge: 5.0 ℓ/sec.

掘井口径	300/200 mm	自然水位	m
掘井深度	Dep 15 140.0 m	揚水水位	+ 1.200 m
掘掘日数	日	揚水量	35.0 ℓ/min/D

ケーシング | 地質柱状図 Geo. log. | 電気検層図 Resis. log. 比抵抗 Ω/m 50 100 150 200

0	Sandy clay
10	Brown clay
17	silt
20	clay w/ gravel
30	Black clay
40	49.21 sand gravel & sand
56.22	fine to med sand
60	Sandy clay
70	Black sticky clay
80	86.16 gravel w/ sand
91.66	Black sticky clay
100	clay w/ gravel C. sand
110	115.59 gravel & sand
122.30	Black sticky clay
130	131.07 gravel & sand
137.25	clay
140	D = 140.0

(118)

工事名 ___ WOAA ___ Tool Irr. Deep
CREDIT :

施工地 Ramnagar, Rohadurganj No.5, NAHOTARI-DISTRICT
SITE NAME :

Farmer : Mr. Bhim Bdh. Rana Maga[illegible]

MAH[illegible]
-DI[illegible]

工期 Date				
着工	1978	年 10 Feb.	月 22	日
竣工	1978	年 11 Feb.	月 5	日

Feb. 1978

(J18)

さく井口径 Diameter	150 (6")	mm	自然水位 N.W.L.	-20.0 (above GL)	m
さく井深度 Depth	81.0	m	揚水水位	-	m
掘さく日数 Drilling Days	13	日	揚水量 Pumping discharge	15.0 ℓ/sec	m³/d
さく井機			水温 Water temp.		℃
鉄管			ストレーナ		

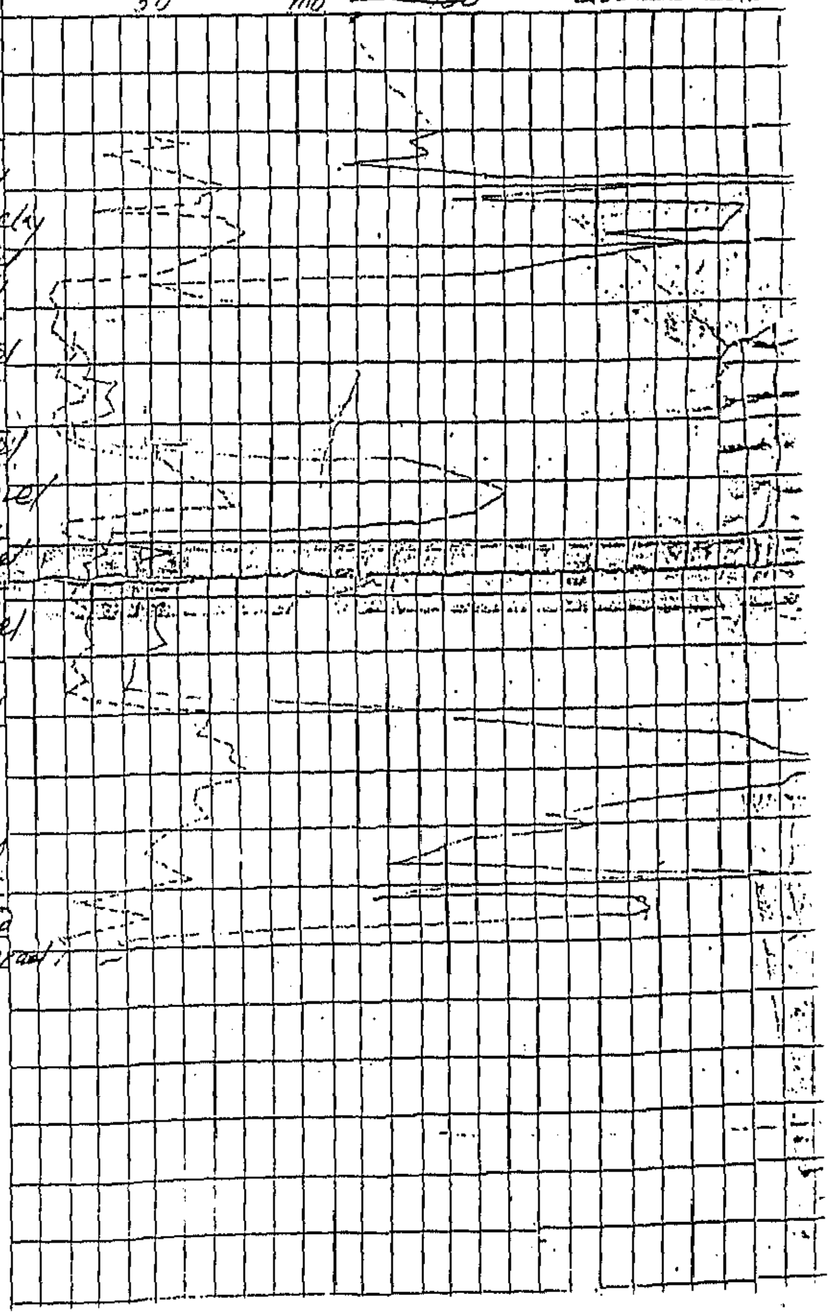
地質柱状図 Geol. log

Depth (m)	Pipe (screen)	Ground level 0
		Top soil
		gravel & sand
10		silt
		Boulder w/ clay
		Boulders w/ clay
20		Pebbles, gravel
		clay w/ gravel
		sandy clay
30		clay w/ gravel
		Silty clay
38.25		clay Alt. gravel
40		Pebbles, gravel sand
47.25		clay w/ gravel
50		Clay Alt. gravel
		Black Sticky Clay
60 (60.50)		gravel, sand c. sand
70		clay w/ gravel
		gravel w/ c.s.
		Silty clay
79.0		gravel w/ sand
80 (81.0)		Alt. clay w/ gravel

D = 81.0

電気検層図 Resistivity log

比抵抗 → (Ω·m) 50 100 150 200 250



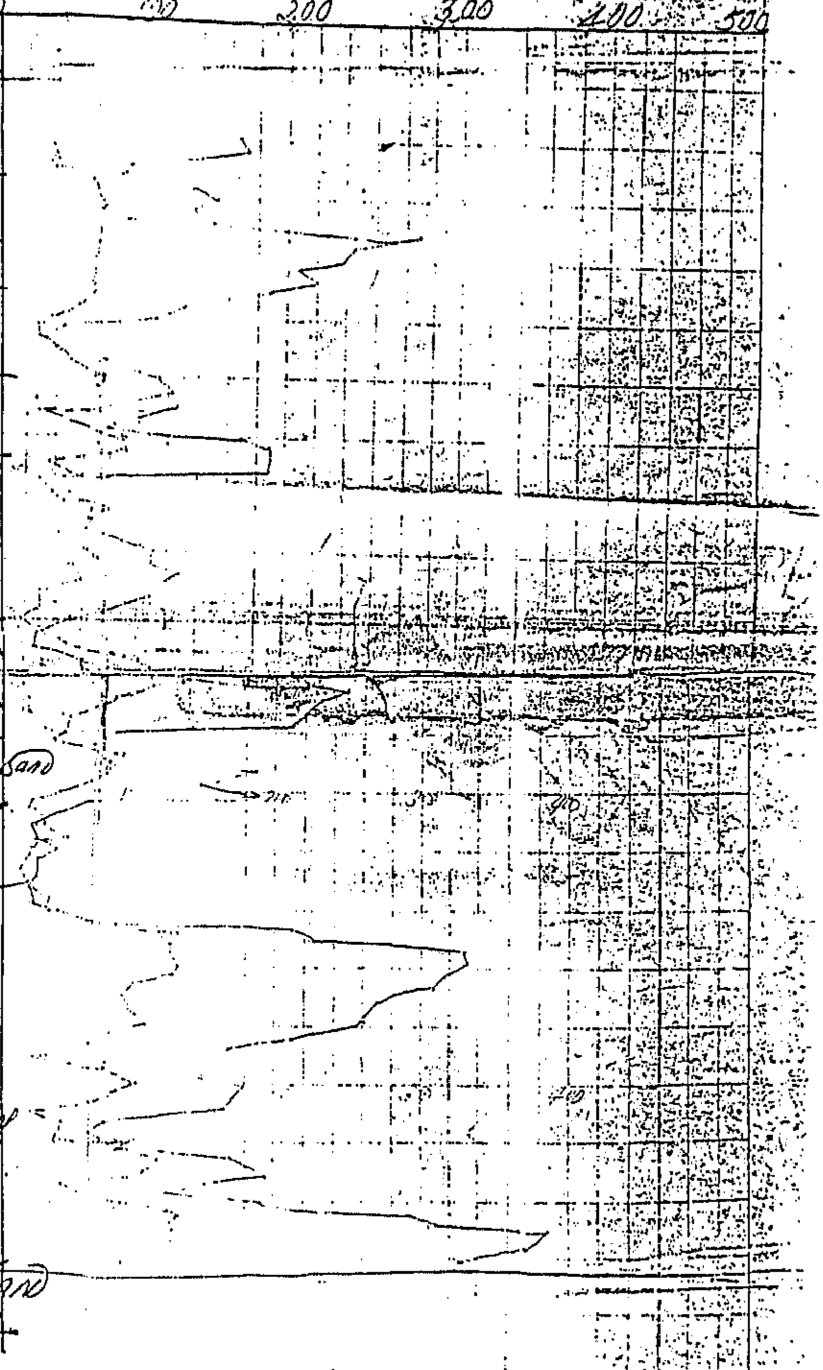
Farmer's Name, Mr. BED MAN SINGHA

Farmer: Bed Man Singha MAHOTTARI DIST.

工期 Date	started	1979 年 July 月 23 日
		2036 4 8
		1979 年 Aug 月 5 日
	closed	2036 4 20
		Apr. 1979
鑿井口径	250/150	2.0 m
鑿井深度	111.0 m - depth	水位 -1.75 m
掘鑿日数	14 days	pumping 35.5 l/sec m / 2 Centrifugal
鑿井機		D.D. -0.175 m

Depth (m) 地質 Geol. log — Resis. log 0, 100, 200, 300, 400, 500

Depth (m)		Geol. log
6.08 – 2.64	0	Silty clay
6.02 – 10.66	10	gravel & sand
6.03 – 16.07		C.S. & grit
6.03 – 22.72	20	Coarse sand
6.14 – 28.76 / 29.26		gravel & sand
5.86 – 35.12	30	Sandy clay
40.92	40	
5.92 – 46.90		Black sticky clay
5.96 – 52.86	50	Sandy clay
54.98		
58.0		
62.0	60	
5.98F – 64.98	62.0 / 64.98	gravel w/ med. sand
4.15 – 69.13	70	Black sticky clay
5.80 – 74.93	74.93	
5.98F – 80.91	80	gravel & sand
5.98F – 85.89	(18.05)	
6.09F – 92.98	90	
3.10 – 96.88	92.18	clay with gravel
6.02F – 102.76	96.09 / 100	Pebbles gravel, sand
6.04F	(12.12)	
109.0 / 111.0	108.8 / 110	Pebbles, Coarse sand
	111.0	Clay



D = 111.0 well Assembly,

O well G.L. ...

WELL LOG

Data No. T-20

PROJECT NAME	Sagar Nath forestry Developement Project	WELL NO.	-3
AREA AND LOCATION	Hatilek, Mahottari - District.		
ELEVATION	m	LATITUDE	LONGITUDE
TOTAL DEPTH	94.54 M m	DRILLING RIG	TEM 72 A Skid Mount.
DRILLING STARTED		DRILLED BY	P. Mukhiya & D.N.Sen
WELL COMPLETED	Aug. 1985	LOGGED BY	P. Mukhiya.

STATIC WATER LEVEL	- 42.3 M m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	m	CONDUCTIVITY	μʊ/cm
PUMPING RATE	15.0 Lit/Sec m³/d)	pH	
SPECIFIC CAPACITY	m³/d/m	TOTAL HARDNESS	

Drilling and Casing Program

Dia Size G.I. | Casing and Screen Size

Depth (m)

Lithology Data

Water Level | Log | Description of Lithology

Electrical Logging

Spontaneous Potential (mv) | Depth (m) | Resistivity (Ω m)

Depth (m)	Description of Lithology
0	Top soil
10	Boulder & Gravel
13.23	Clay & Gravel
19.38	Rich Clay & Gravel.
25.53	Rich Gravel & Clay
31.68	Boulder, Gravel & sand
37.84	Clay & Gravel
44.0	Gravel & Corse Sand.
50.17	Yellow Clay.
56.34	Rich Gravel & Clay
62.48	Gravel & Corse Sand.
68.63	Sticky Clay.
74.81	Rich Gravel & Clay.
80.97	Gravel & Sand.
87.15	Clay & Gravel.
94.54	Yellow Sticky Clay.

Throughout 8in Blind pipe & Screen.

D = 94.54

(21)

T-21

Date of Completion = Dec, 1981

Depth = 70.0

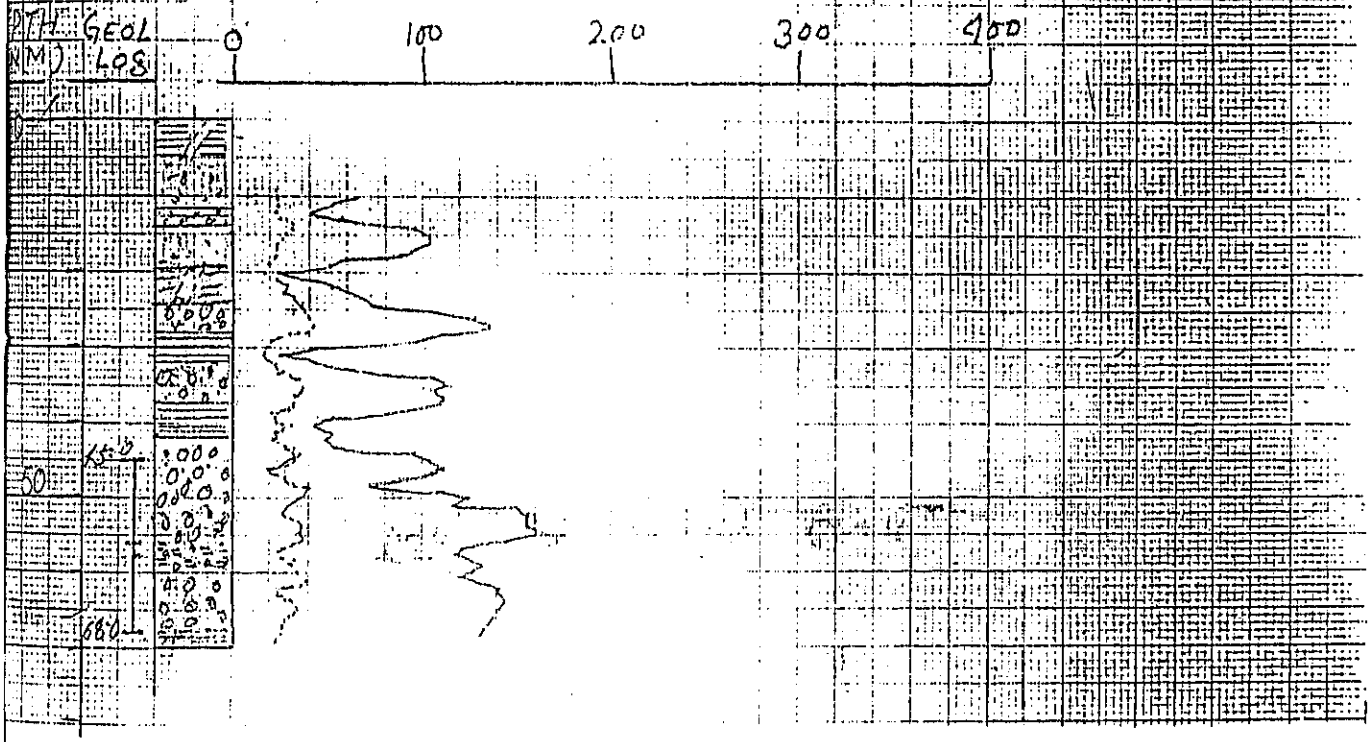
Dia. = 12"/8"

Static water Level = -22.0'

Pumping discharge = 15 l/sec

WELL - LOG

SARLAHI HOURTICULTURE FARM WELL No-2



No 2

工事名 (Office) J.A.D.P

施工地 (Site) National ... development Project
Nawalpur ... district

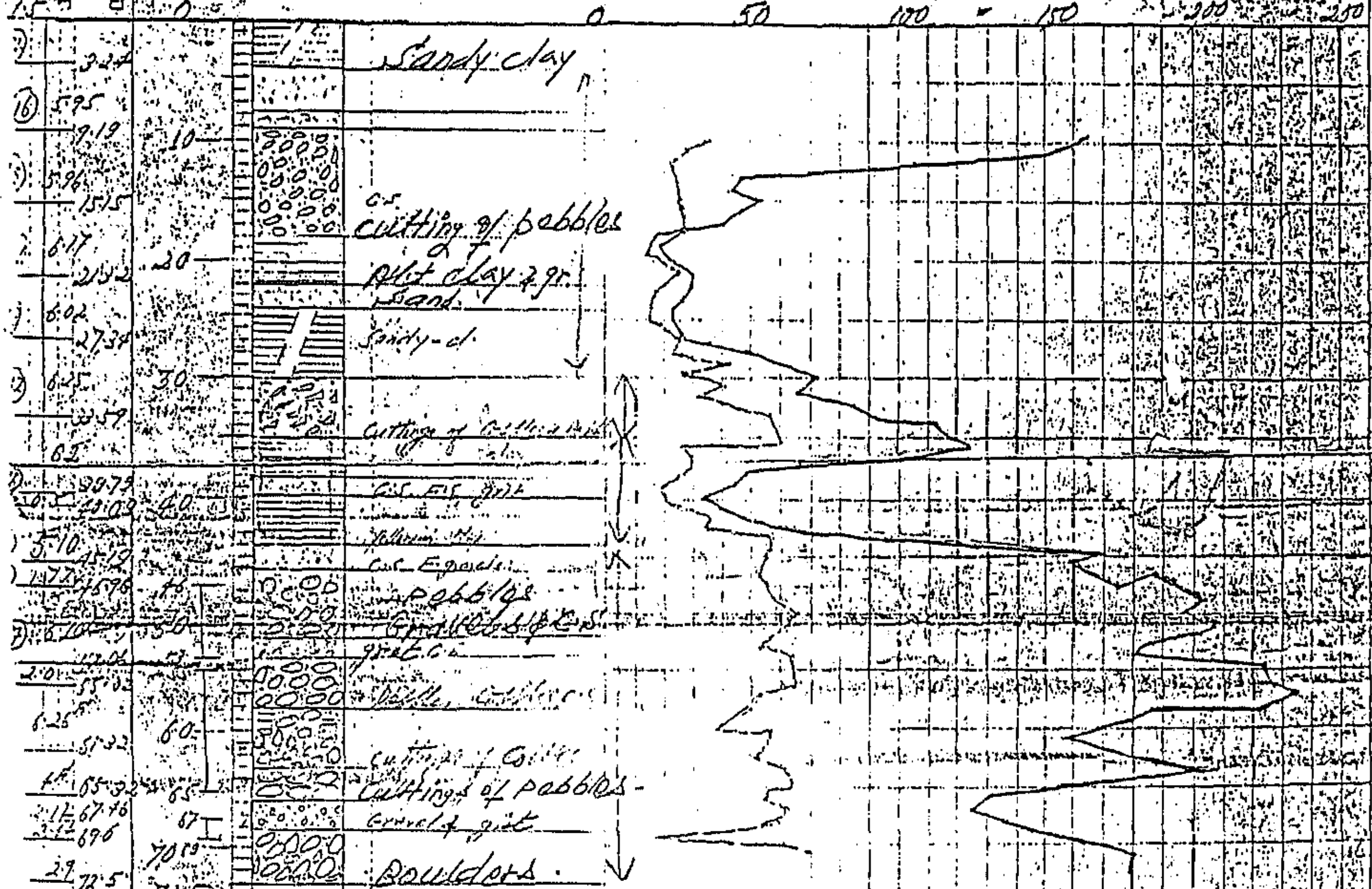
工期 (Date) 着工 1979 年 8 月 27 日
竣工 1979 年 9 月 22 日
2036 6 6

June 1979

22

鑿井口径 (Diameter)	300/200 mm	自然水位	-21.300 m
鑿井深度 (Total depth)	72.50 m	揚水水位 (P.W.L.)	-29.500 m
延日数 (Drilling period)	26 日 (days)	揚水量 (Pumping Capacity)	1.40 ℓ/sec m³/D
鑿井機		水温 (Temp. of water)	25 °C

Depth 地質柱状図 (Geol. log) — 電気検層図 (Resis. log) 比抵抗 (Ω/m) 0 50 100 150 200 250



D=72.5

45

123

(123)

PROJECT NAME		WELL NO. 1	
AREA AND LOCATION	Sagarnath Forest Development Project, Sarlahi-		
ELEVATION	m	LATITUDE / LONGITUDE	
TOTAL DEPTH	97.60 m	DRILLING RIG	TBM 72 "A"
DRILLING STARTED		DRILLED BY	S. Lamichhane
WELL COMPLETED	1989, Sept	LOGGED BY	S. Lamichhane

STATIC WATER LEVEL	-11.00 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	m	CONDUCTIVITY	µS/cm
PUMPING RATE	25 l/sec (m³/d)	pH	
SPECIFIC CAPACITY			

and ogram	Depth	Lithology Data			Electrical Logging		
uing and reen Size	0 (m)	Water Level	Log	Description of Lithology	Spontaneous Potential (mv)	Depth (m)	Resistivity (Ω m) 100 200 300
				Top - Soil			
	10			Cobbles, Pebble, coarse sand			
	20			Black-yellow sticky clay			
				silty clay			
	30			Black sticky clay			
	40	43.5					
				gravel w/ med sand			
	50			clay w/ gravel			
				fine to med gravel with sand			
	60	60		clay w/ gravel			
				gravel & sand			
	70			clay w/ gravel			
				Fine sand			
				gravel & sand			
	80	81		clay w/ gravel			
				Pebbles, Cobbles			
	90			gravel + C. sand			
		92		Black sticky clay			
		97.60					

D = 97.60

(124)

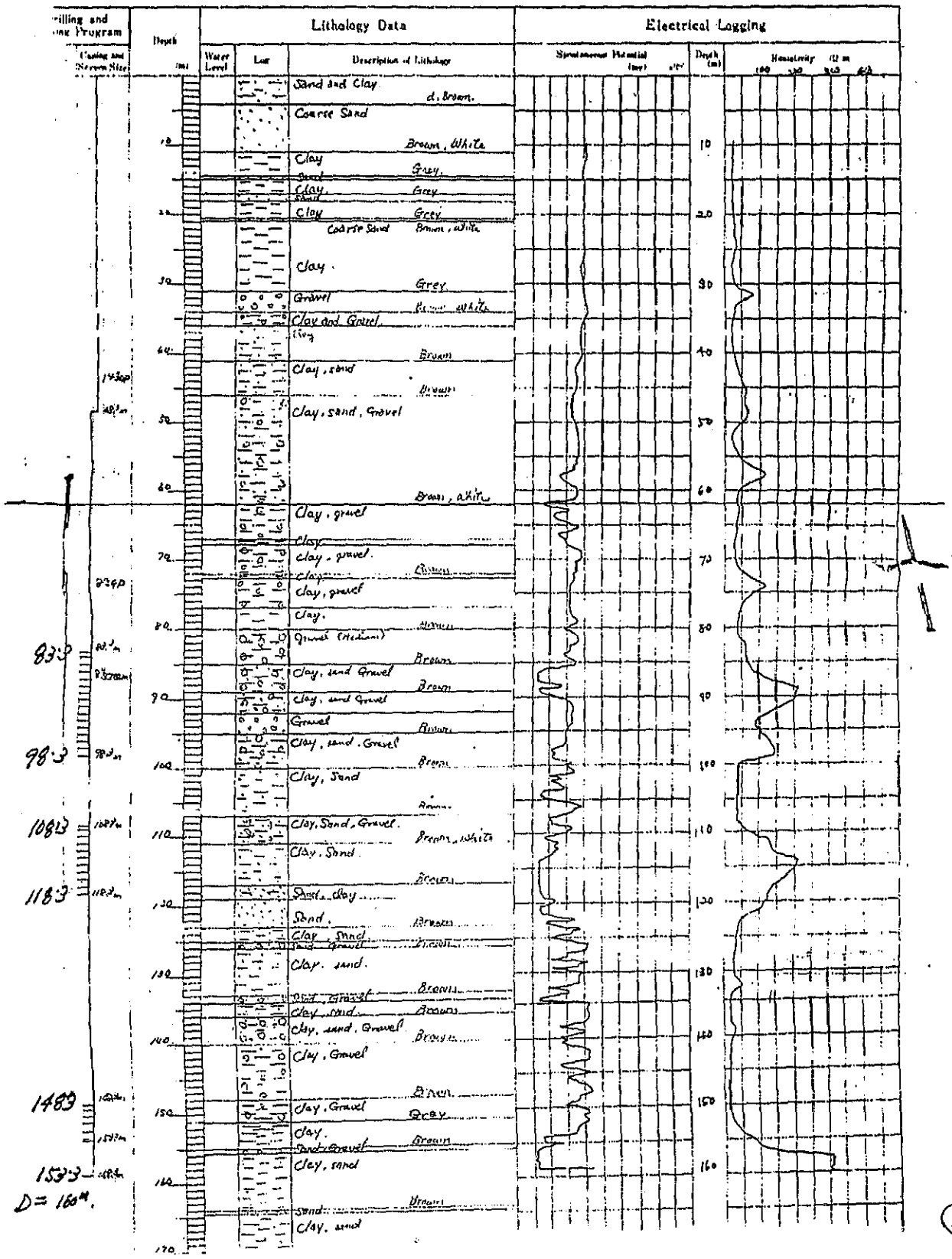
WELL LOG

Data No. 1

(71)

PROJECT NAME	D.T.I Project	WELL NO.	2-1
AREA AND LOCATION	Dhanpani		
ELEVATION	m	LATITUDE	LONGITUDE
TOTAL DEPTH	160 m (472.0) m	DRILLING RIG	1
DRILLING STARTED	01.05.1985	DRILLED BY	K. Higuchi
WELL COMPLETED	11.06.1985	LOGGED BY	K. Higuchi

STATIC WATER LEVEL	46.48 m	WATER TEMPERATURE	℃
DYNAMIC WATER LEVEL	64.10 m	CONDUCTIVITY	μS/cm
PUMPING RATE	1,800 l/min (2,592 m³/d)	pH	
SPECIFIC CAPACITY	m³/d/m	TOTAL HARDNESS	



(125)

PROJECT NAME	D.T.I Project	WELL NO.	4-2
AREA AND LOCATION	Pushyalpur		
ELEVATION	m	LATITUDE	LONGITUDE
TOTAL DEPTH	120.0 m (130 m)	DRILLING RIG	2
DRILLING STARTED	12.05.'85	DRILLED BY	K.MATSUZAKI
WELL COMPLETED	08.06.'85	LOGGED BY	K.MATSUZAKI

STATIC WATER LEVEL	Flow Well m	WATER TEMPERATURE	℃
DYNAMIC WATER LEVEL	m	CONDUCTIVITY	μ℧/cm
PUMPING RATE	l/min (m³/d)	pH	
SPECIFIC CAPACITY	m³/d/m	TOTAL HARDNESS	

Lithology Data

Depth (m)	Water Level	Description of Lithology
5		Medium sand light brown
10		Sand clay and gravel brown
15		alternation of clay and gravel
20		brown
25		Sand and gravel brown
30		Gravel brown
35		Alternation of Clay & Gravel
40		Containing Big Gravel
45		brown
50		Sand & Gravel brown
55		Gravel
60		brown
65		Clay & Gravel brown
		Clay
		Gravel brown
75.0		Sand & Gravel
80		brown
85.0		Clay
90		brown
95.0		
100		
110		Sand & Gravel (Hard) brown
120		Clay brown
120.0		Sand & Gravel brown
		Alternation of gravel & Clay brown
		Clay brown

Electrical Logging

Spontaneous Potential (mv) 0 100

Depth (m)

Resistivity (Ω m) 0 100

Casing and Screen Size: 14" 8"

48

D = 130.0 130

126

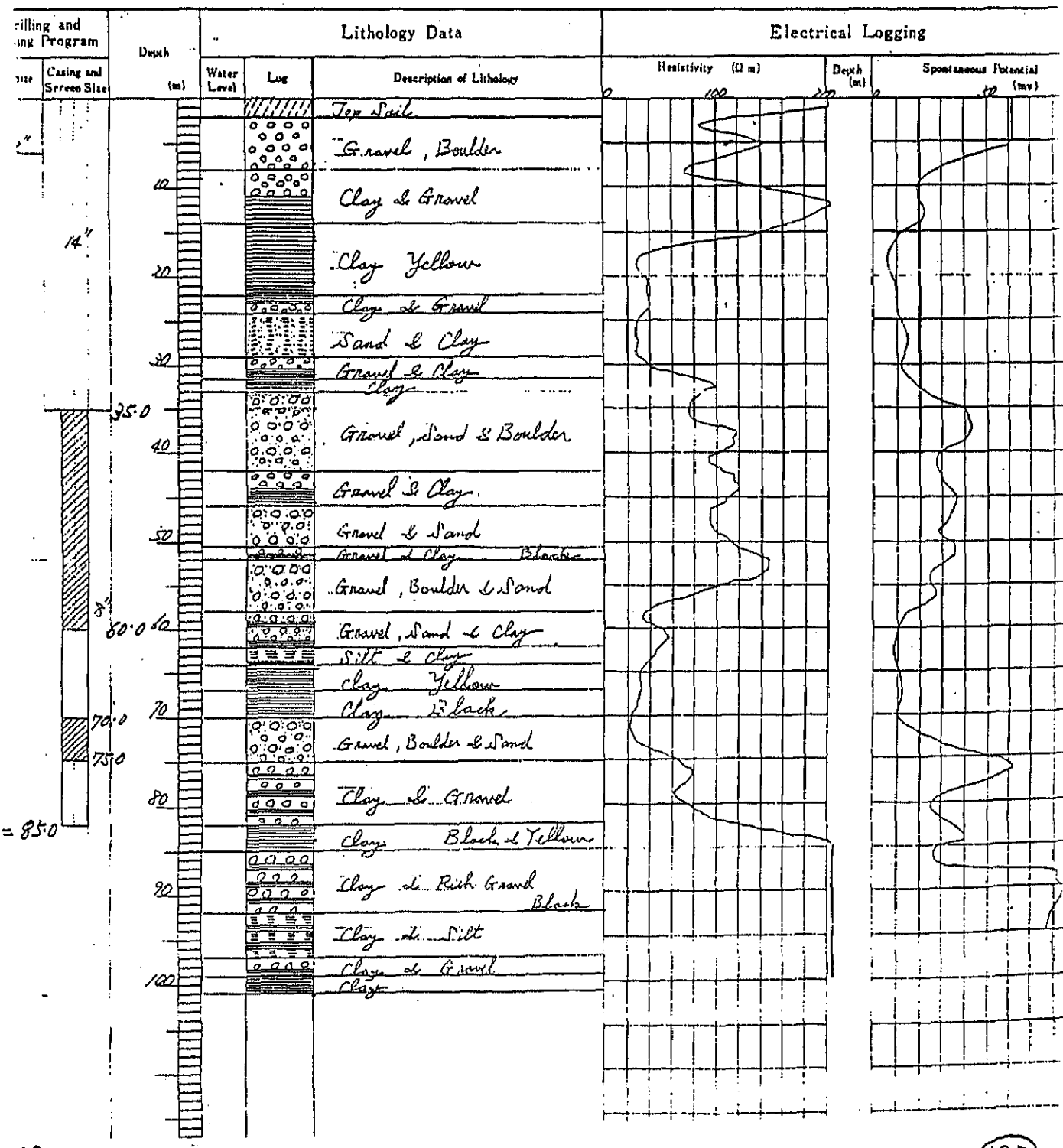
Data No. 3

(73)

WELL LOG

PROJECT NAME	D.T.I. Project	WELL NO.	1-3
AREA AND LOCATION	Janakpur, Bharatpur		
ELEVATION	m	LATITUDE	LONGITUDE
TOTAL DEPTH	85.0 m (Bore 67.0 m)	DRILLING RIG	No.3
DRILLING STARTED	26th. May, '85	DRILLED BY	T.OZEKI & P.MUKHIYA
WELL COMPLETED	21st June, '85	LOGGED BY	K. MATSUZAKI

STATIC WATER LEVEL	24.10 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	21.10 m	CONDUCTIVITY	μ℧/cm
PUMPING RATE	2400 l/min (3456 m³/d)	pH	
SPECIFIC CAPACITY	m³/d/m	TOTAL HARDNESS	

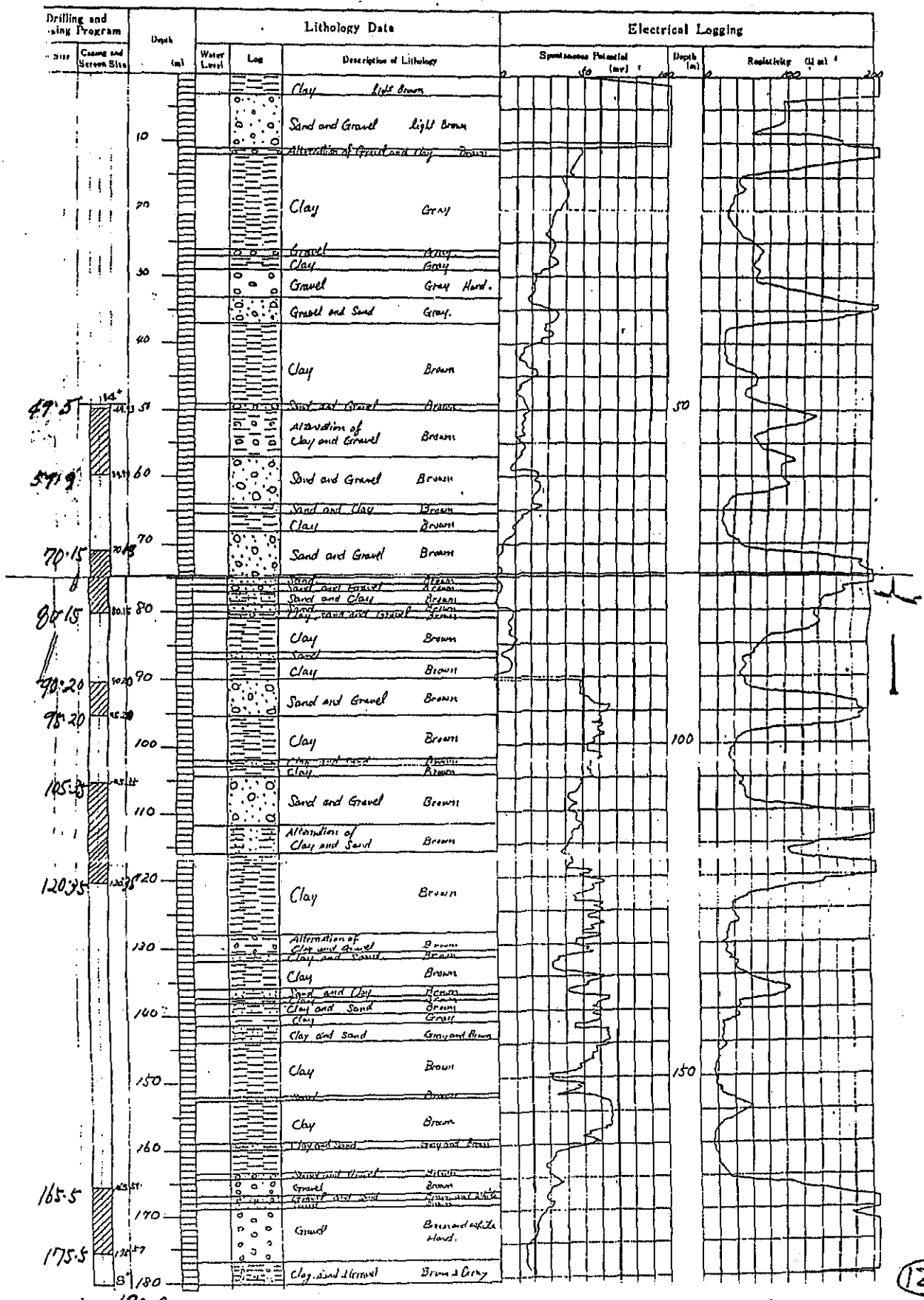


Well Log

Deep tubewell Irrigation	WELL NO. 2-4
AREA AND LOCATION Tonalpira, Kupwala	
ELEVATION m	LATITUDE LONGITUDE
TOTAL DEPTH 180.00 (180.00 m)	DRILLING RIG Rig 2
DRILLING STARTED 9th, June '85	DRILLED BY K. Higuchi & K. Matsuzaki
WELL COMPLETED 9th, July '85	LOGGED BY data

(T4)

STATIC WATER LEVEL	31.60 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	44.46 m	CONDUCTIVITY	μΩ/cm
PUMPING RATE	600 l/min (864 m³/d)	pH	
SPECIFIC CAPACITY	m³/d/m	TOTAL HARDNESS	



(128)

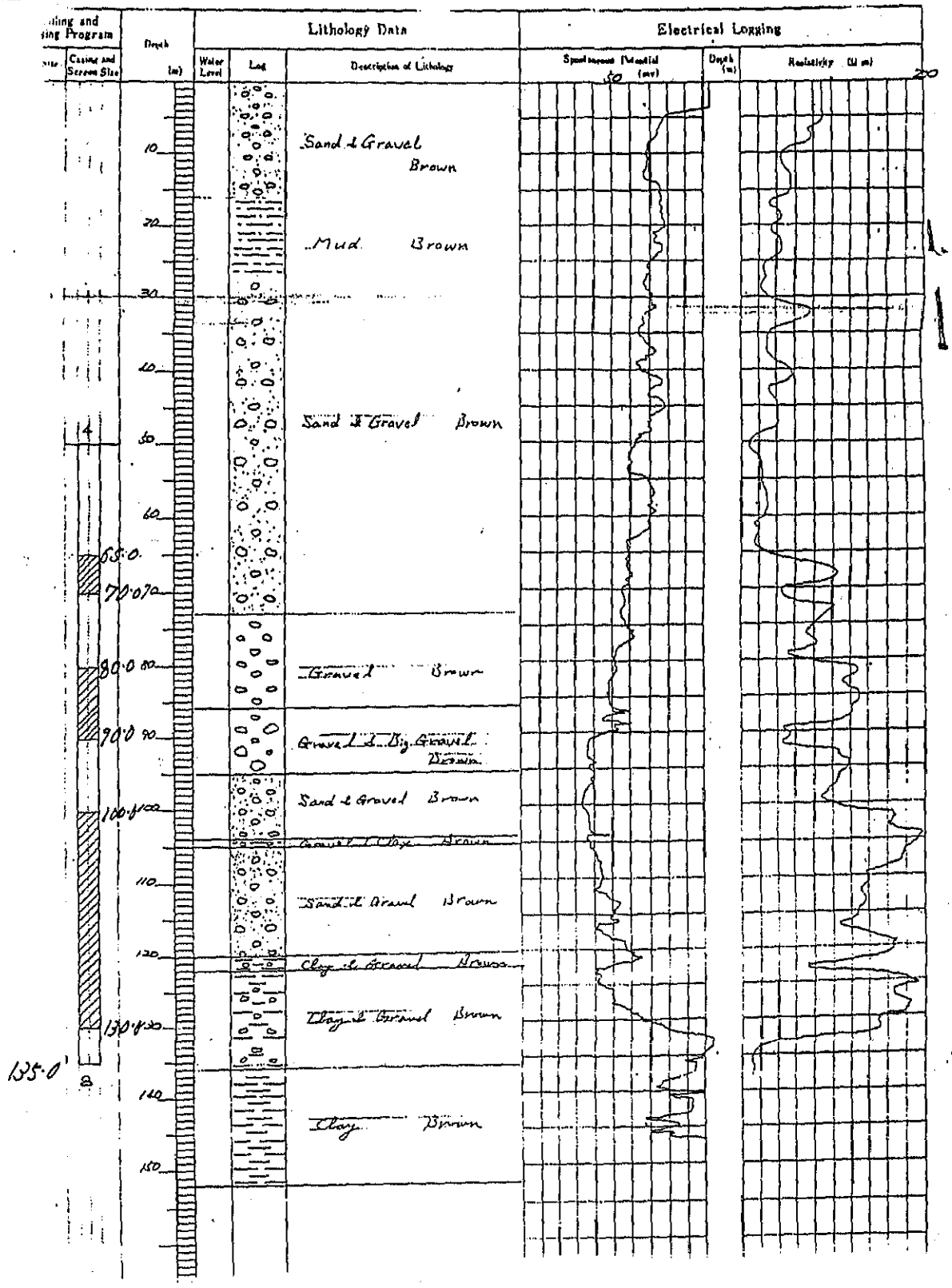
WELL LOG

Data No. 5

(T5)

PROJECT NAME	WELL NO. 1-5
AREA AND LOCATION GODAR	
ELEVATION m	LATITUDE LONGITUDE
TOTAL DEPTH 135.0m (152. m)	DRILLING RIG 3
DRILLING STARTED 17. Nov. '85	DRILLED BY K. MATSUZAKI
WELL COMPLETED 13. Dec. '85	LOGGED BY — do —

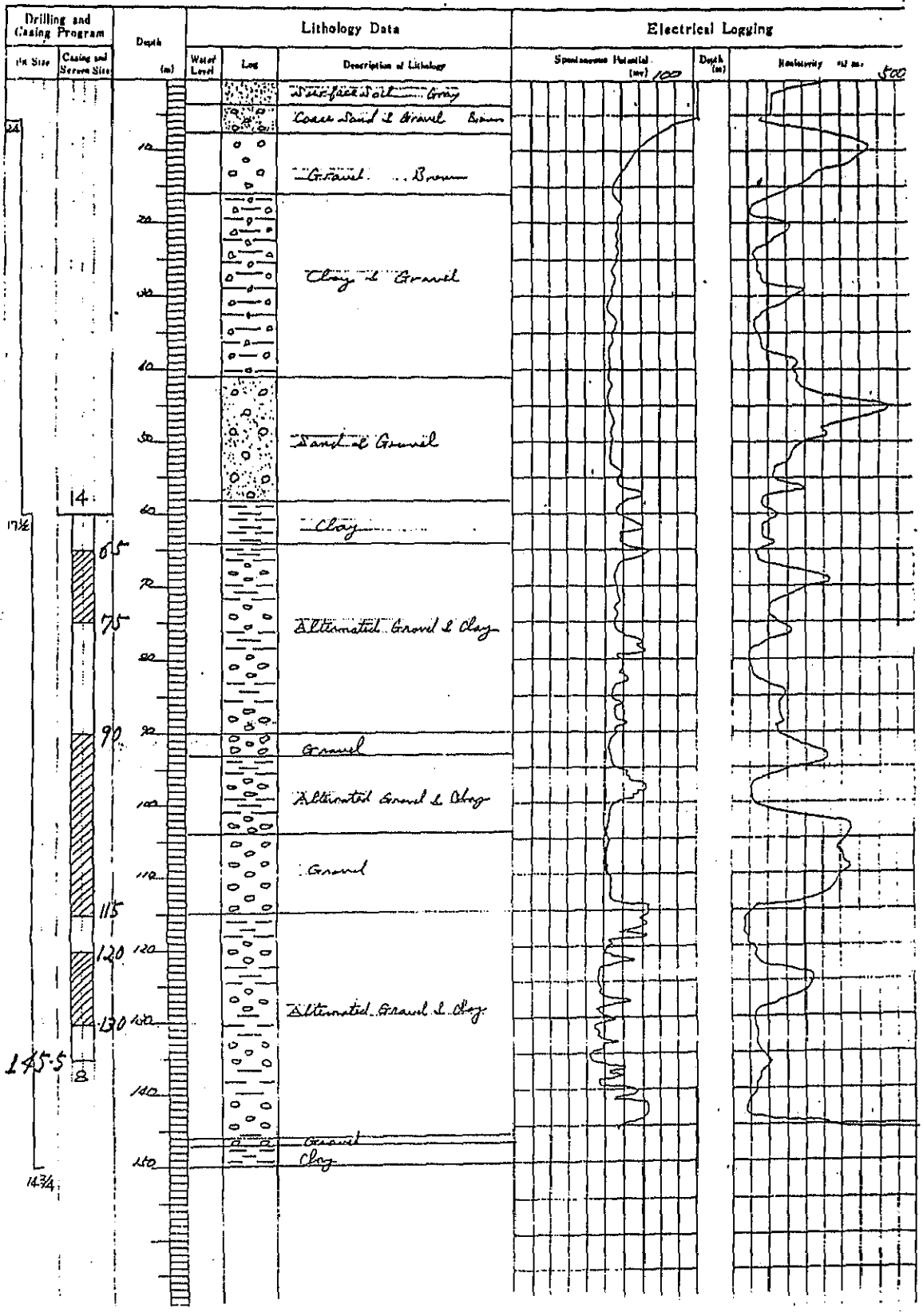
STATIC WATER LEVEL 22.58 m	WATER TEMPERATURE ℃
DYNAMIC WATER LEVEL 45.55 m	CONDUCTIVITY μΩ/cm
PUMPING RATE 2,700 l/min (3,888 m³/d)	pH
SPECIFIC CAPACITY m³/d/m	TOTAL HARDNESS



(129)

PROJECT NAME		WELL NO. 4-6	
AREA AND LOCATION	DHALKEBAR		
ELEVATION	m	LATITUDE	LONGITUDE
TOTAL DEPTH	145.5 m (145.5 m)	DRILLING RIG	1
DRILLING STARTED	5, Dec., 95	DRILLED BY	H. ISHIKAWA
WELL COMPLETED	6, Jan., 96	LOGGED BY	H. KAWABATA

STATIC WATER LEVEL	63.70 m	WATER TEMPERATURE	℃
DYNAMIC WATER LEVEL	84.48 m	CONDUCTIVITY	μS/cm
PUMPING RATE	900 l/min (1,296 m³/d)	pH	
SPECIFIC CAPACITY	m³/d/m	TOTAL HARDNESS	

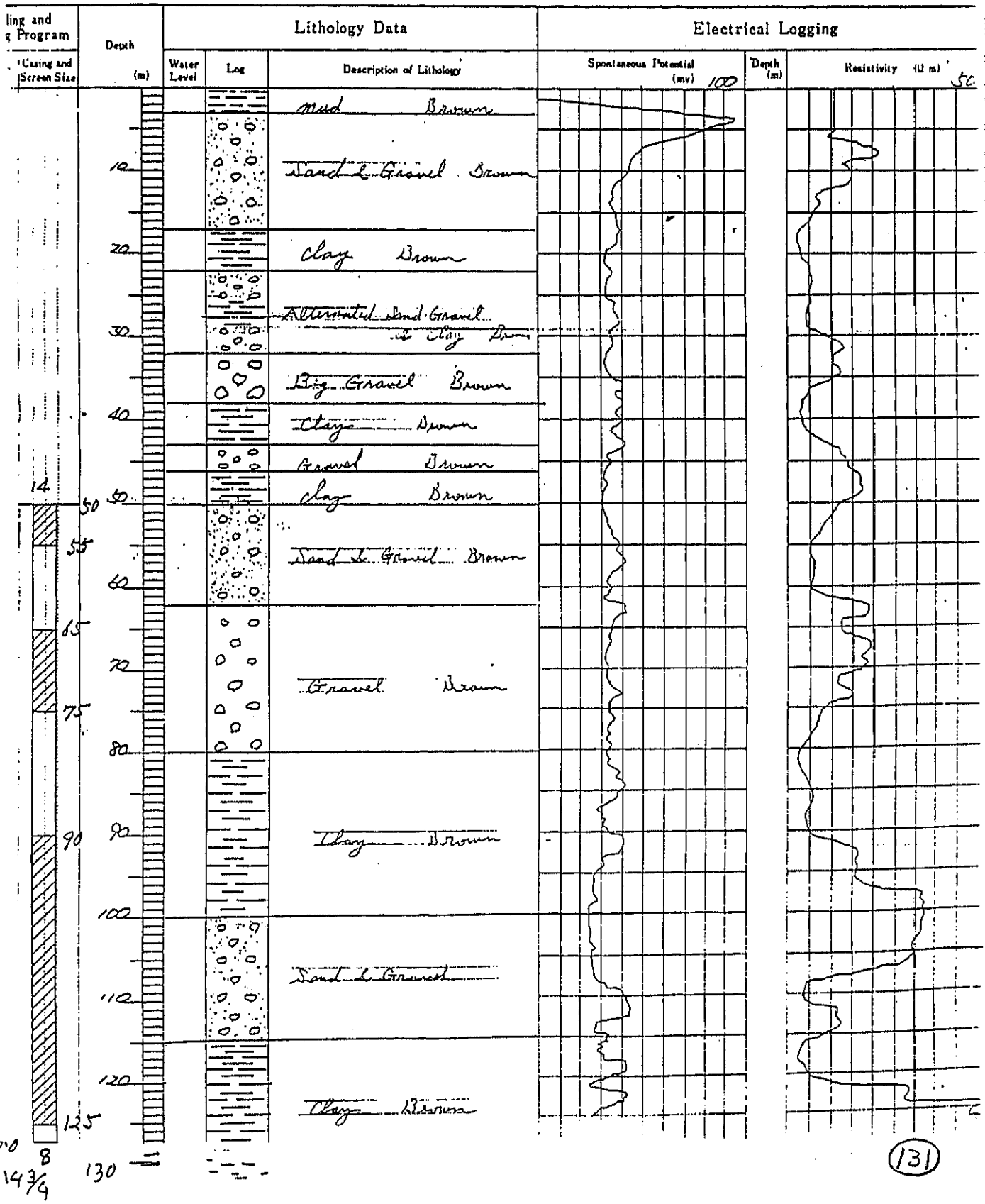


(T6)

(130)

PROJECT NAME		WELL NO. 1-7
AREA AND LOCATION	GAURIPUR	
ELEVATION	m	LATITUDE LONGITUDE
TOTAL DEPTH	130.0 m (402. m)	DRILLING RIG 3
DRILLING STARTED	14, Dec., 85	DRILLED BY K. MATSUZAKI
WELL COMPLETED	6, Feb., 86	LOGGED BY — do —

STATIC WATER LEVEL	20.90 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	36.45 m	CONDUCTIVITY	μΩ/cm
PUMPING RATE	1,500 l/min (2,160 m³/d)	pH	
SPECIFIC CAPACITY	m³/d/m	TOTAL HARDNESS	



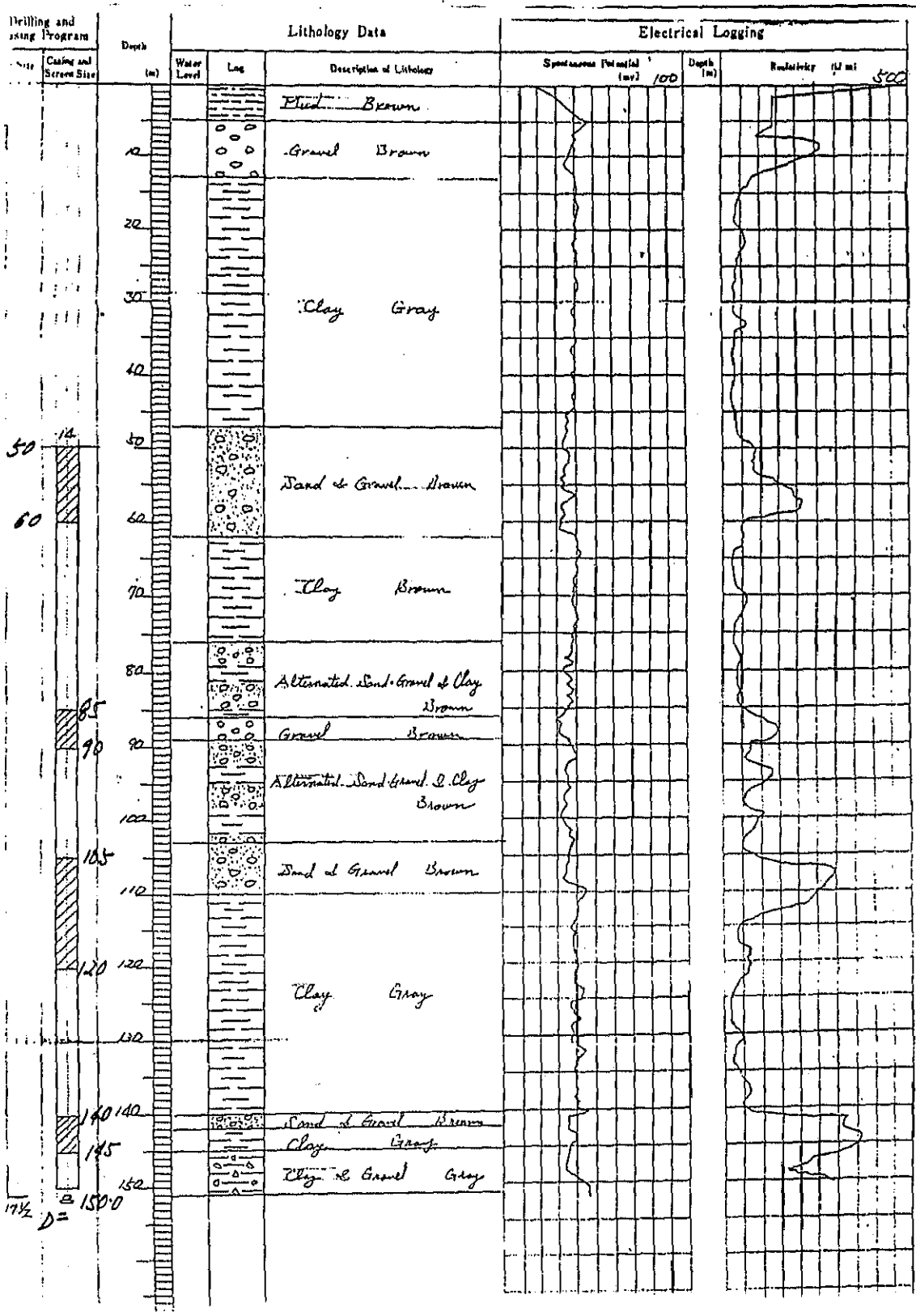
WELL LOG

Data No. 8

(T 8)

PROJECT NAME	WELL NO. 1 – 8
AREA AND LOCATION RADHAPUR	
ELEVATION m	LATITUDE LONGITUDE
TOTAL DEPTH 150.0 m (54. m)	DRILLING RIG 3
DRILLING STARTED 31, Dec., 85	DRILLED BY K. MATSUZAKI
WELL COMPLETED 25, Jan., 86	LOGGED BY —do—

STATIC WATER LEVEL 23.10 m	WATER TEMPERATURE °C
DYNAMIC WATER LEVEL 37.51 m	CONDUCTIVITY μmho/cm
PUMPING RATE 2,520 l/min (362.88 m³/d)	pH
SPECIFIC CAPACITY m³/d/m	TOTAL HARDNESS



(132)

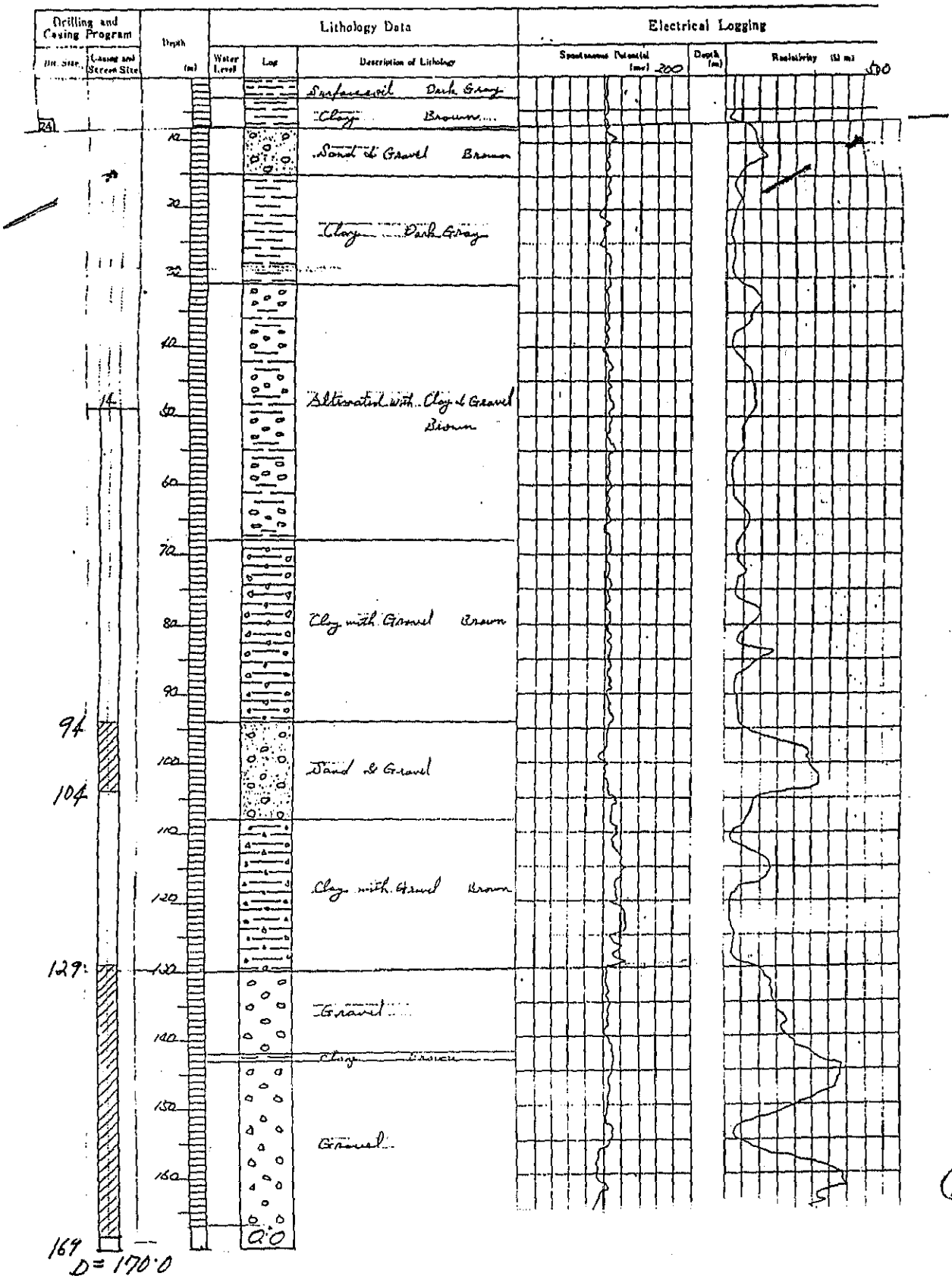
WELL LOG

Data No. 9

(T9)

PROJECT NAME		WELL NO. 3-9	
AREA AND LOCATION	MANGALPUR		
ELEVATION	m	LATITUDE	LONGITUDE
TOTAL DEPTH	170.0 m 672. m	DRILLING RIG	2
DRILLING STARTED	22, Dec., 85	DRILLED BY	PT. KAKUDA
WELL COMPLETED	7, Jan., 86	LOGGED BY	H. KAWABATA

STATIC WATER LEVEL	23.73 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	34.17 m	CONDUCTIVITY	μS/cm
PUMPING RATE	3,000 l/min (4,320 m³/d)	pH	
SPECIFIC CAPACITY	m³/d/m	TOTAL HARDNESS	



(133)

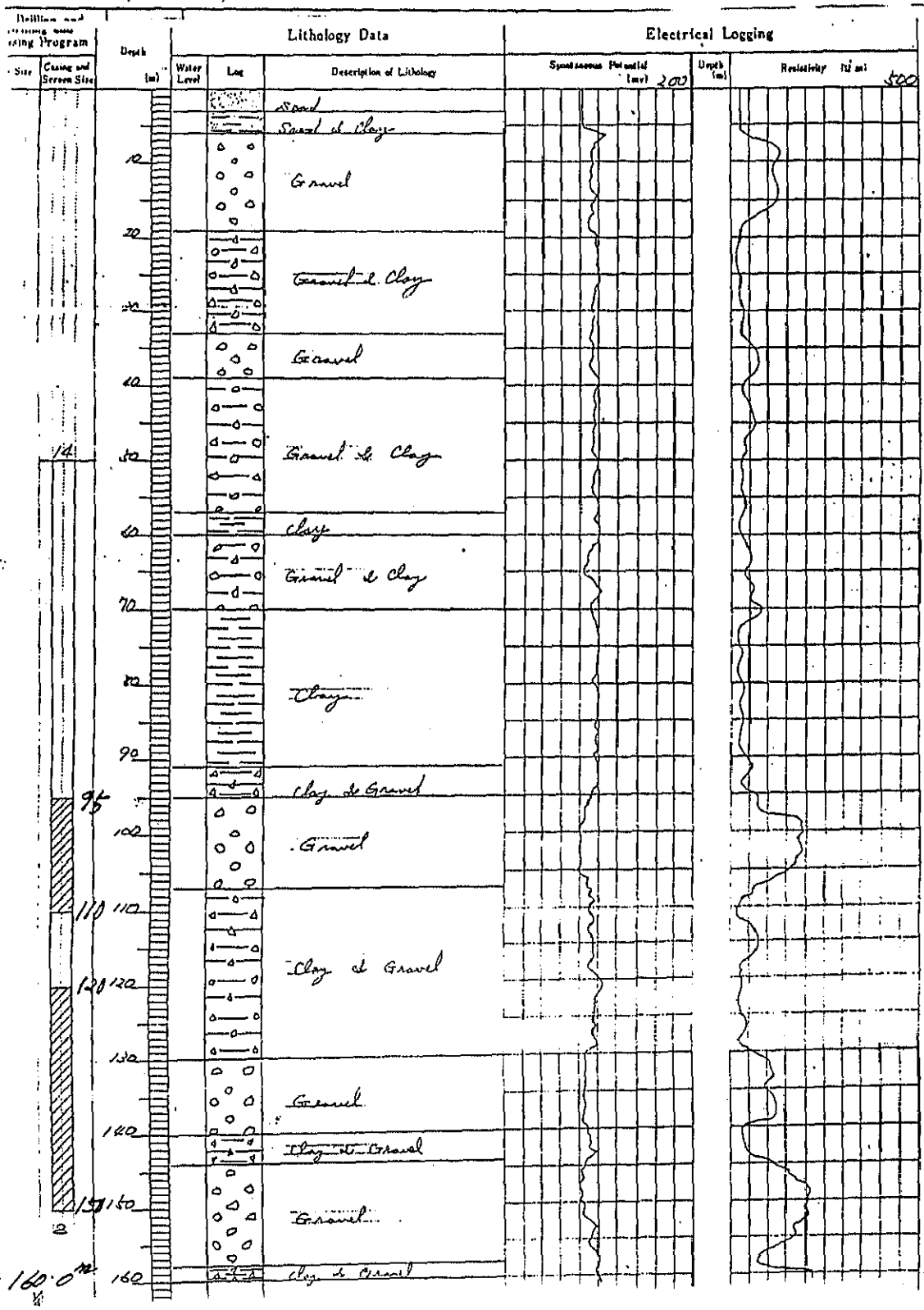
WELL LOG

Data No. 10

T10

PROJECT NAME		WELL NO. 3—10	
AREA AND LOCATION	SARSA		
ELEVATION	m	LATITUDE	LONGITUDE
TOTAL DEPTH	160.0m (160 m)	DRILLING RIG	1
DRILLING STARTED	7, Jan., 86	DRILLED BY	H. ISHIKAWA
WELL COMPLETED	31, Jan., 86	LOGGED BY	H. KAWABATA

STATIC WATER LEVEL	18.21 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	42.15 m	CONDUCTIVITY	μΩ/cm
PUMPING RATE	1,200 l/min (1,728 m³/d)	pH	
SPECIFIC CAPACITY	m³/d/m	TOTAL HARDNESS	

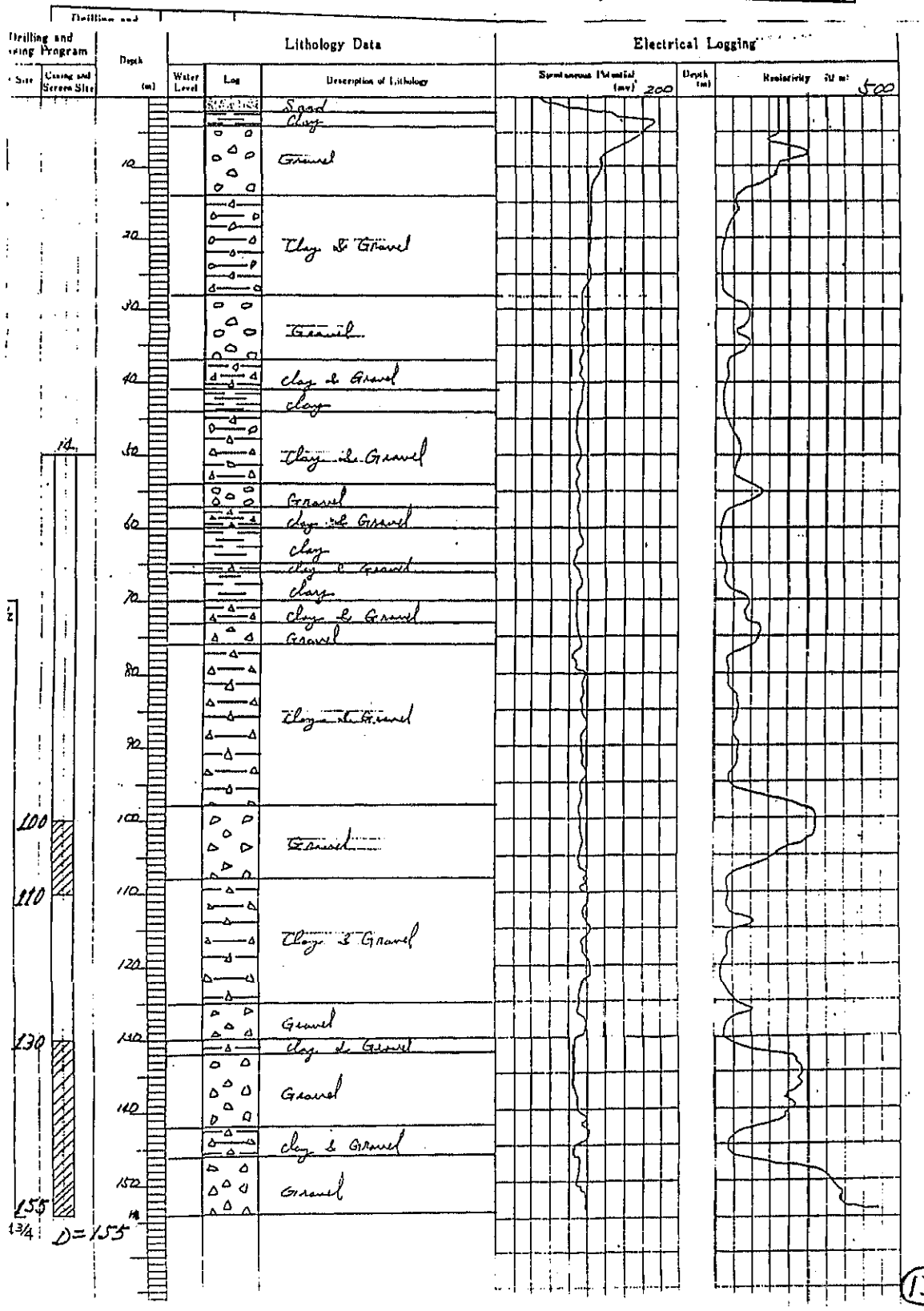


WELL LOG

Data No. 11

PROJECT NAME	WELL NO. 3—11
AREA AND LOCATION GHOIYA	
ELEVATION m	LATITUDE LONGITUDE
TOTAL DEPTH 155.0m (155 m)	DRILLING RIG
DRILLING STARTED 2, Feb., 86	DRILLED BY H. ISHIKAWA.
WELL COMPLETED 24, Feb., 86	LOGGED BY H. KAWABATA

STATIC WATER LEVEL 24.10 m	WATER TEMPERATURE °C
DYNAMIC WATER LEVEL 35.58 m	CONDUCTIVITY μΩ/cm
PUMPING RATE 2,100 l/min (3,456 m³/d)	pH
SPECIFIC CAPACITY m³/d/m	TOTAL HARDNESS



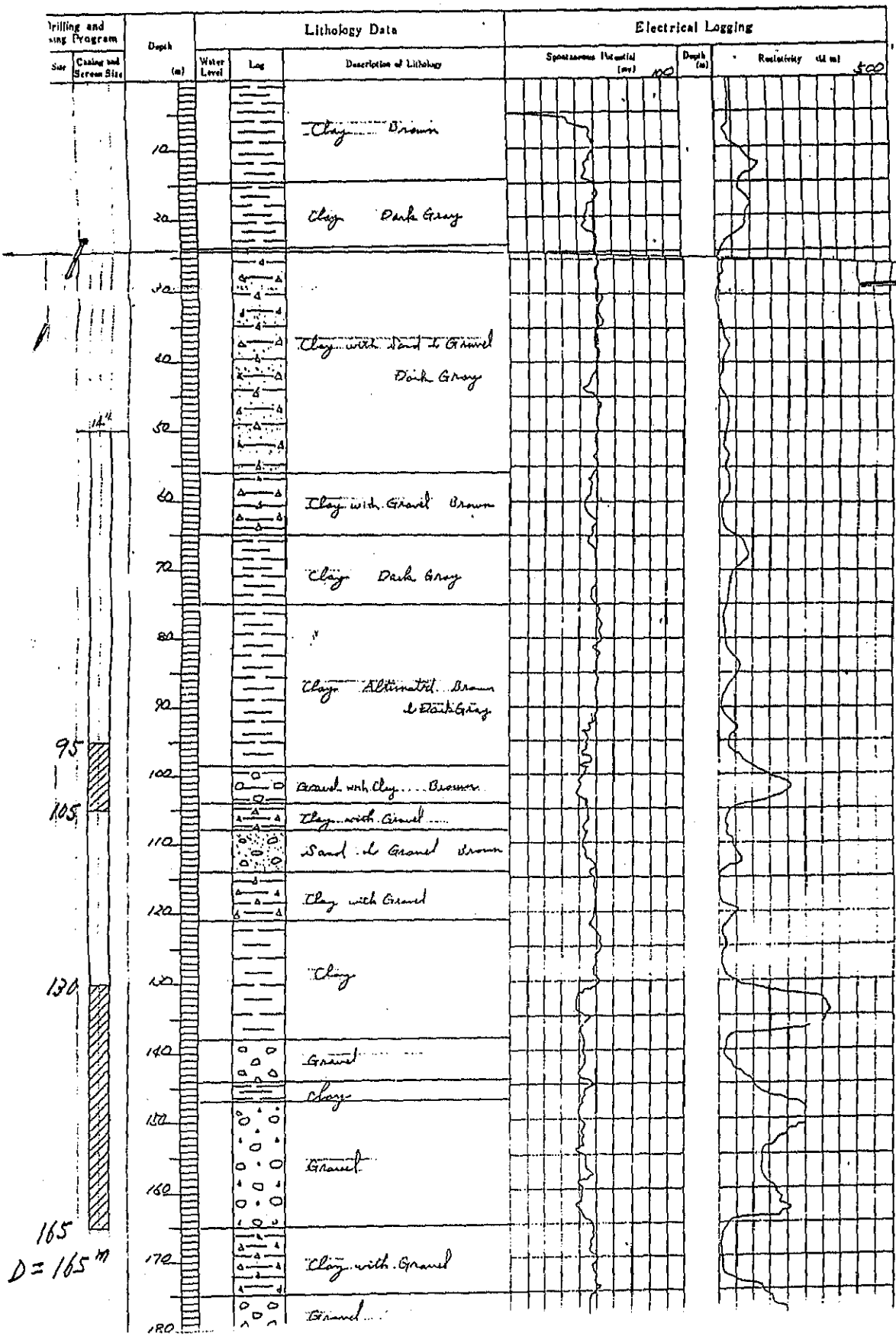
Well LOG

DATA NO –

PROJECT NAME		WELL NO. 7-12	
AREA AND LOCATION	..JANAKI-NAGAR		
ELEVATION	m	LATITUDE	LONGITUDE
TOTAL DEPTH	165.0 m (680. m)	DRILLING RIG	2
DRILLING STARTED	18. Jan., 86	DRILLED BY	M. KAKUDA
WELL COMPLETED	9. Feb., 86	LOGGED BY	H. KAWABATA

T12

STATIC WATER LEVEL	12.52 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	45.22 m	CONDUCTIVITY	μM/cm
PUMPING RATE	600 l/min (3.64 m³/d)	pH	
SPECIFIC CAPACITY	m³/d/m	TOTAL HARDNESS	



136

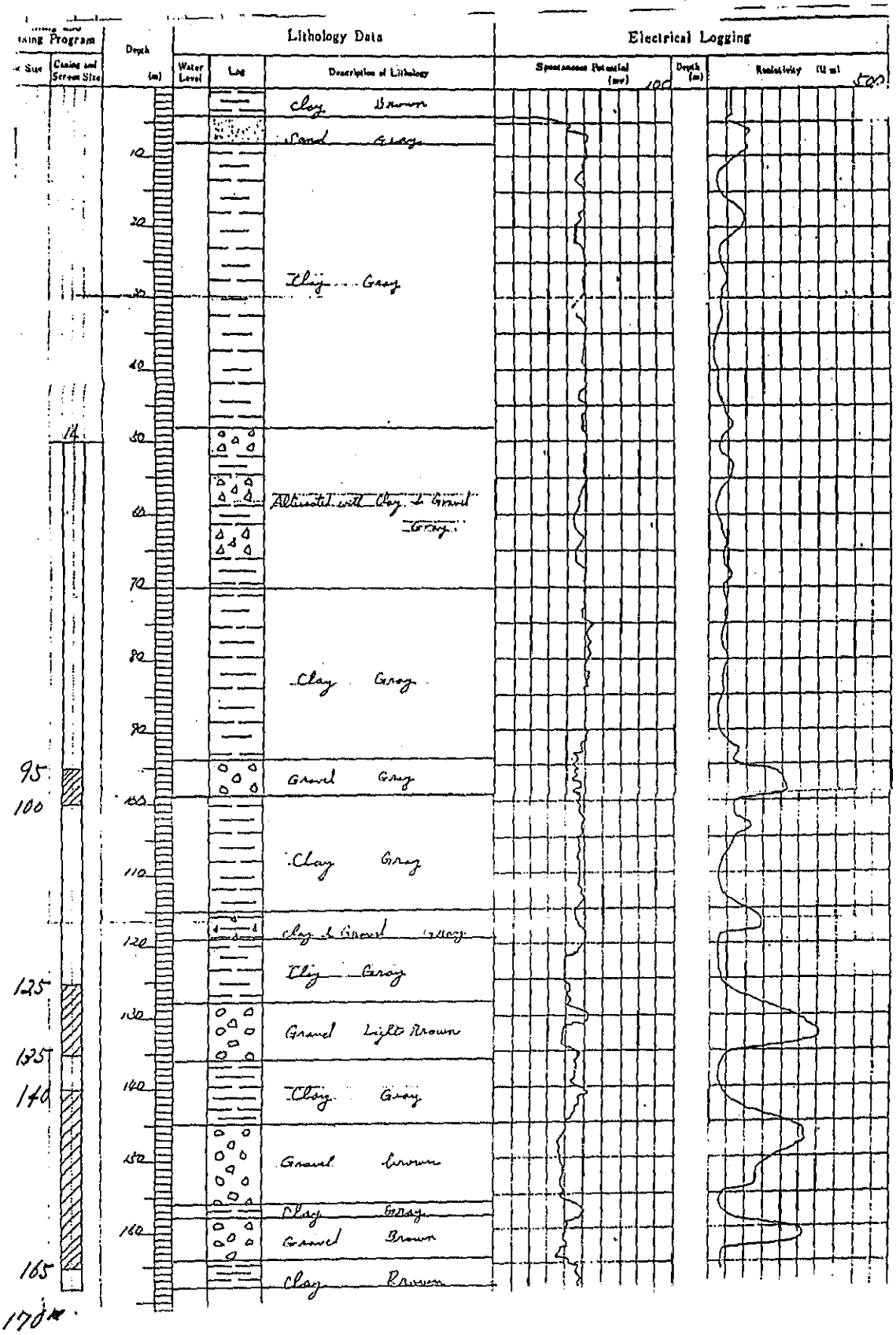
Data No. 13

WELL LOG

PROJECT NAME		WELL NO.	7 — 13
AREA AND LOCATION	KAJARA — RAMOUR		
ELEVATION	m	LATITUDE	LONGITUDE
TOTAL DEPTH	170.0 m (170 m)	DRILLING RIG	3
DRILLING STARTED	28, Jan., 86	DRILLED BY	K. MATSUZAKI
WELL COMPLETED	11, Feb., 86	LOGGED BY	— do —

T13

STATIC WATER LEVEL	9.01 m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	41.38 m	CONDUCTIVITY	μʊ/cm
PUMPING RATE	600 l/min (864 m³/d)	pH	
SPECIFIC CAPACITY	m³/d/m	TOTAL HARDNESS	



137

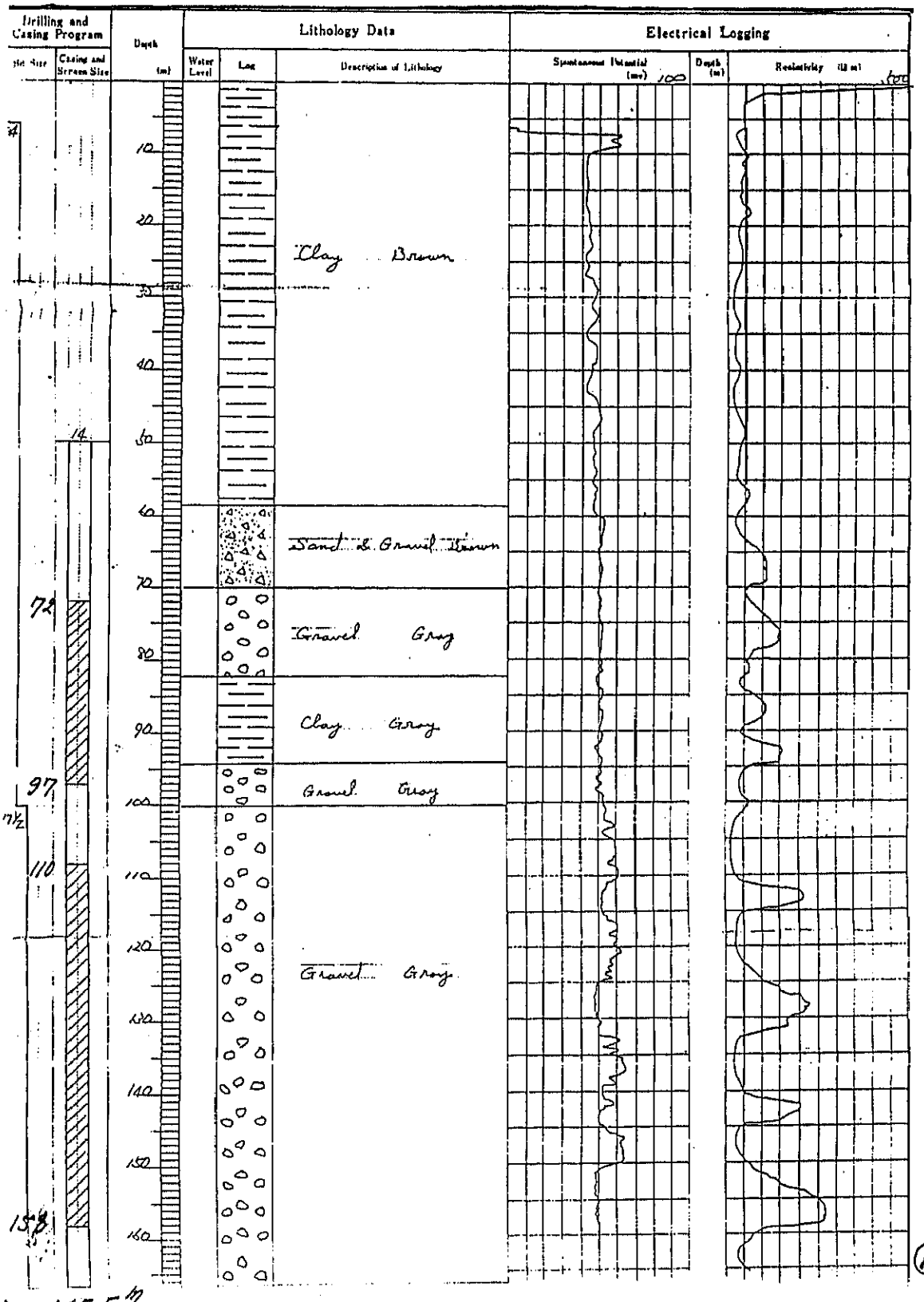
WELL LOG

Data No. 14

T14

PROJECT NAME	WELL NO. T-14
AREA AND LOCATION LALIYA	
ELEVATION m	LATITUDE LONGITUDE
TOTAL DEPTH 165.5m (Cut. to 165m) m	DRILLING RIG 2
DRILLING STARTED 2, Mar., '86	DRILLED BY M.KAKUDA & K.ABE
WELL COMPLETED 15, Mar., '86	LOGGED BY K. ABE

STATIC WATER LEVEL 6.20 m	WATER TEMPERATURE °C
DYNAMIC WATER LEVEL 16.20 m	CONDUCTIVITY μS/cm
PUMPING RATE 1800 l/min (2592 m³/d)	pH
SPECIFIC CAPACITY m³/d/m	TOTAL HARDNESS



D = 165.5 m

138

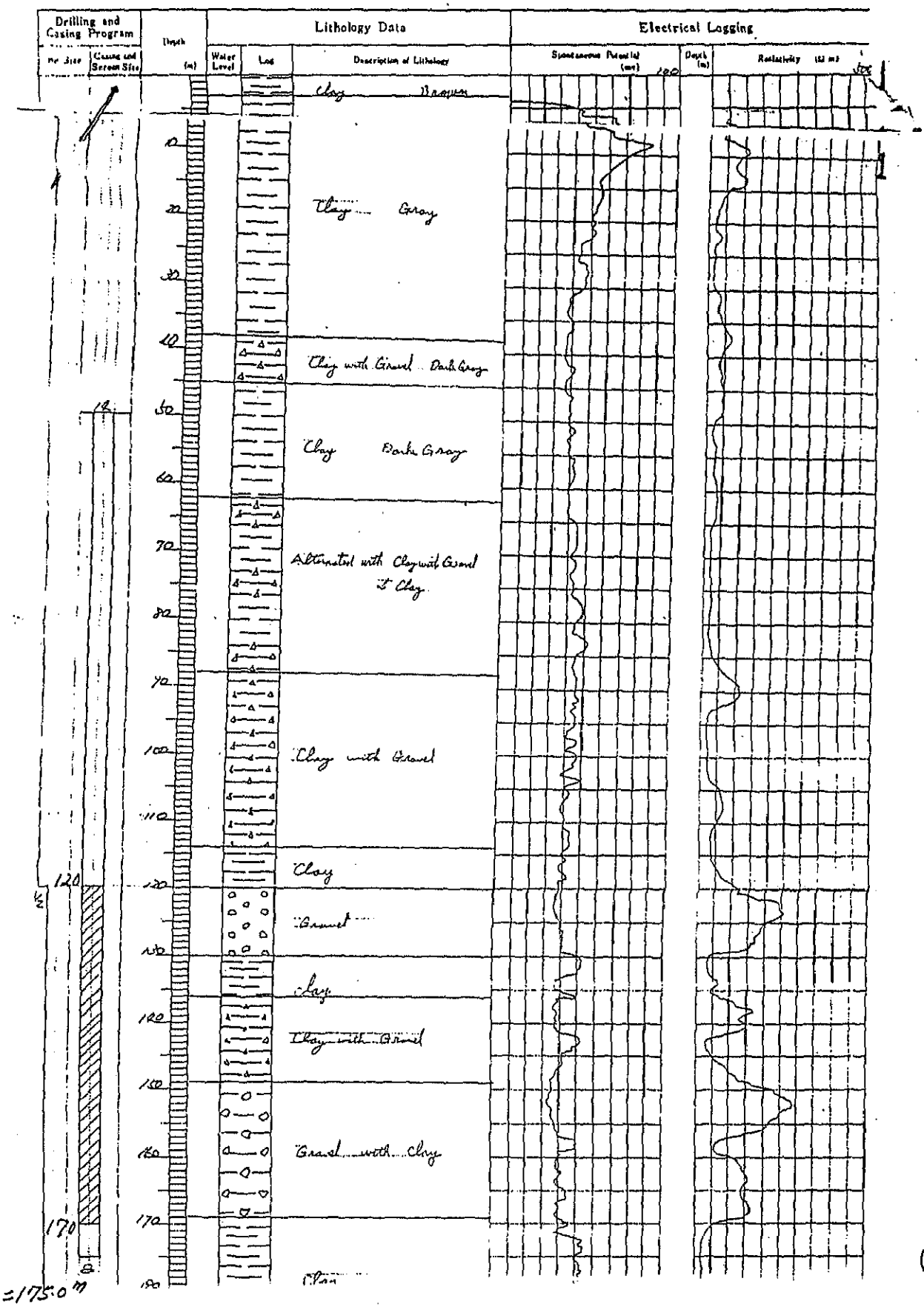
well LOG

DATA NO. 5

PROJECT NAME		WELL NO. B-15
AREA AND LOCATION	HANSPUR – KATHAPULLA	
ELEVATION m		LATITUDE LONGITUDE
TOTAL DEPTH	175.0 m (686)	DRILLING RIG 2
DRILLING STARTED	10, Feb., '86	DRILLED BY M. KAKUDA
WELL COMPLETED	27, Feb., '86	LOGGED BY H. KAWABATA

T15

STATIC WATER LEVEL	Artesian Flowing m	WATER TEMPERATURE	°C
DYNAMIC WATER LEVEL	15.85 m	CONDUCTIVITY	μS/cm
PUMPING RATE	420 l/min (604.8 m³/d)	pH	
SPECIFIC CAPACITY	m³/d/m	TOTAL HARDNESS	



D=175.0 m

139

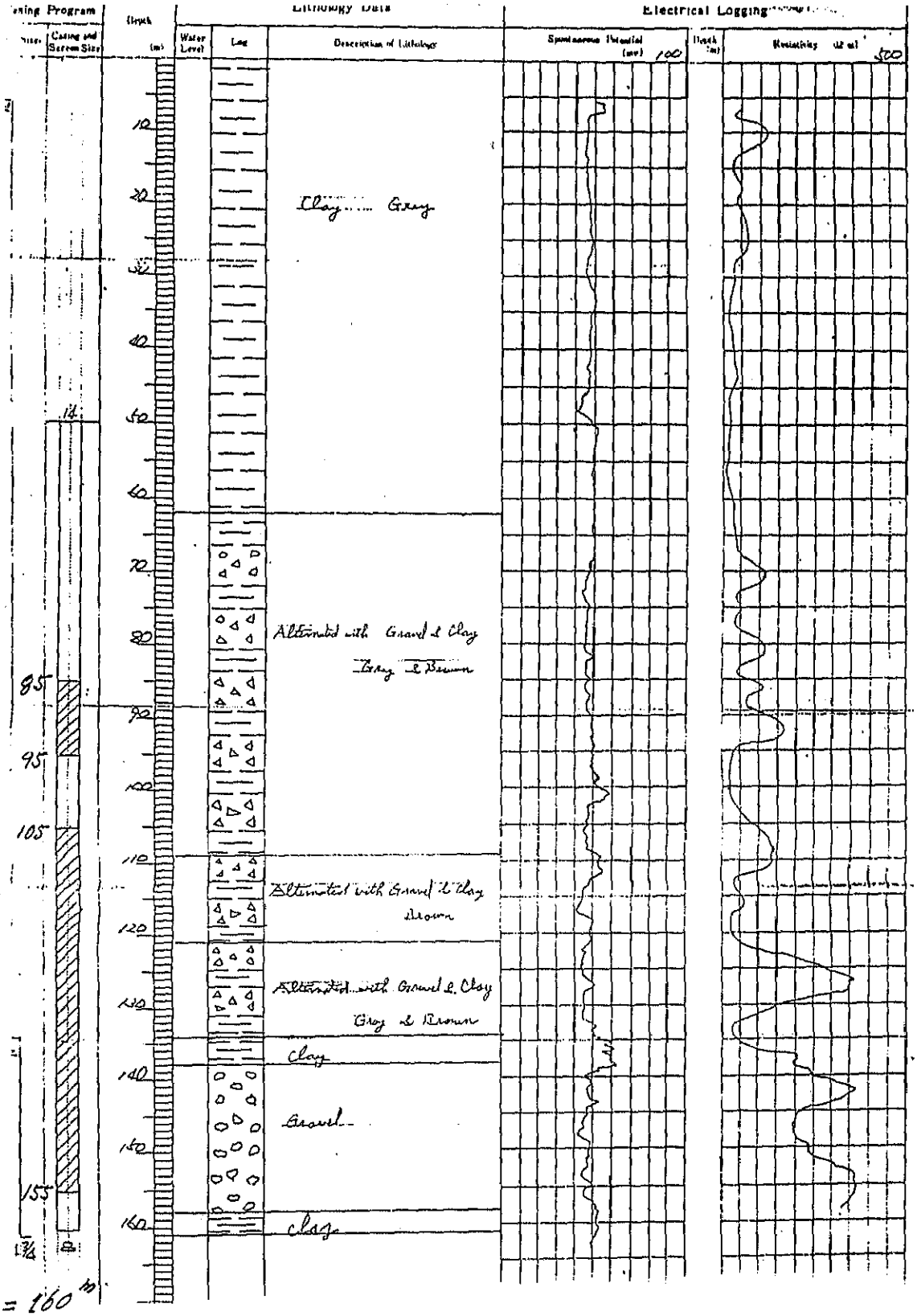
WELL LOG

Data No. 16

PROJECT NAME	WELL NO. S-16
AREA AND LOCATION JIJATIYAH	
ELEVATION m	LATITUDE LONGITUDE
TOTAL DEPTH 160.0 M (161) m	DRILLING RIG 3
DRILLING STARTED 13, Feb., '86	DRILLED BY K. MATSUZAKI
WELL COMPLETED 2, Mar., '86	LOGGED BY — do —

T16

STATIC WATER LEVEL 2.18 m	WATER TEMPERATURE °C
DYNAMIC WATER LEVEL 35.35 m	CONDUCTIVITY μS/cm
PUMPING RATE 1,500 l/min (2,160 m³/d)	pH
SPECIFIC CAPACITY m³/d/m	TOTAL HARDNESS



D = 160 m

140

JANAKPUR ZONE AGRICULTURE DEVELOPMENT PROJECT

DEEP TUBEWELL INSTALLATION

SUMITOMO-TONE TEAM

	Places	Discharge lit/sec	Total Depth	Screen Position
2-1	Dharapani	30	172	83.3-98.3 108.3-118.
4-2	Pusbalpur	Drg ~~Dug~~ Well	130	75-85 95-120
1-3	Bharatpur	40	101	35-60 70-75
2-4	Kumurha	10	180.10	49.9-59.9 90.2-95.2 165.5-175. 70-80 105.4-120.
1-5	Godar	45	152	65-70 80-130
4-6	Dhalkebar	15	145	65-75 125-130 90-115
1-7	Gauripur	25	132	50-55 90-125 65-75
1-8	Radhapur	42	150	50-60 105-120 87-90 140-145

	Places	Discharge lit/sec	Total Depth	Screen Positic
3-9	Mangalpur	50	172	94-104 129-169
3-10	Sarsa	20	160	95-110 120-150
3-11	Ghiya	40	155	100-110 130-155
7-12	Janki Nagar	10	180	95-105 130-165
7-13	Kajara-Ramoul	10	170	95-100 140-165 125-135
7-14	Laliya	30	166.5	72-97 108-158
8-15	Hanspur-Kathapulla	7	186	120-170
8-16	Jhatiyahi	25	161	85-95 105-155

JANAKPUR ZONE AGRICULTURE DEVELOPMENT PROJECT

DEEP TUBE-WELL INSTALLATION

Places	Discharge lit/sec		Total depth (meter)
	Pumping	Artesian	
1. I A P No.1	44.00	28.00	130.00
2. I A P No.2	36.30	15.00	130.00
3. I A P No.3	46.50	18.00	130.00
4. I A P No.4	39.90	14.00	146.00
5. I A P No.5	32.90	18.00	130.00
6. I A P No.6	30.20	25.00	131.00

Places	Discharge lit/sec		Total depth(meter
	Pumping	Artesian	
7. I A P No.7	30.20	04.70	156.00
8. I A P No.8	24.00	09.40	207.00
9. I A P No.9	43.90	29.00	130.00
10.Hardinath Agriculture Farm	30.00	10.00	160.00
11. ,,	75.00	25.00	104.50
12. ,,			

Places	Discharge lit/sec		Total depth(mete
	Pumping	Artesian	
13.Nawalpur Horticulture Farm	30.00	Non-artesian	70.00
14. ,,			
15.Nawalpur Oil-seed Farm	45.00	Non-artesian	72.50
16.Sagarnath Forest Project	30.00	Non-atresian	114.00
17. ,,	40.00	Non-artesian	110.00
18.Aurahi	60.00	05.00	111.00
19.Ram Nagar	15.00	Non-artesian	81.00

Places	Discharge lit/sec		Total depth(meter
	Pumping	artesian	
20.JADP Center	27.50	Non-artesian	135.00
21.Janakpur Horticulture Farm	35.00	04.00	139.00
22.Janakpur Fish Farm	45.00	12.00	140.00

JANAKPUR ZONE AGRICULTURE DEVELOPMENT PROJECT

DEEP TUBEWELL INSTALLATION

○ JADP TEAM

Places	Discharge lit/sec	Total Depth	Screen Position
1. Dhalkewar	20	122.52	85-116
2. Lalbhiti	15	104.95	69.5-104.5
3. Puspabalpur	8	125	90-95.5 103.75-120.25
4. Murgiya	15	124.85	80-85.5 88.25-93.45 96.25-104.20 110.7 -119
5. Lagmatole	30	163.5	86.5-116.25 124.5-129.5 151.5-159.25
6. Birendrabazar	25	124.5	70.25-75.25 87.5-92.5 92.5-118.5
7. Dandatole	10	97.75	60.5-95.5
8. Umaprempur	10	125.5	63.25-83.25 94.25-99.25 110.25-125.25
9. Bhiman	10	120	66.5-71.5 83.5-96.5 102-117
10. Hariharpur	50	124	70.25-75.25 90-120
11. Digambarpur	20	134	98.25-133.25

Places	Discharge lit/sec	Total Depth	Screen Position
12. Umapienpur	40	129.5	64.5-84.5 102.5-127.5
13. Kisanpur	15	120.75	79.75-89.75 95.25-115.25
14. Kesharkutti	30	165	102.2-117.5 128-133 144.5-149.5 155-165
15. Lakhanpur	~~40~~ 25	105.25	66.5-71.5 77.5-102
16. Kumhartole	10	157.1	120-156.4
17. Bakchaura	45	161.6	73-83.4 123.4-128.6 134.6-160
18. Kathapulla	8	146.2	103-144
19. Singiahi	40	86.4	44.75-54.75 74-84
20. Hanumannagar	50	174.25	86.5-92 110.5-121 127-132.5 155-171.5
21. Sonapada	50	176.5	90.5-96 120-125 147.5-170.5
22. Maltole	8	132.5	66.5-77.5 105.5-127

MINISTRY OF WATER RESOURCES

MAHOTTARY GROUND WATER PROJECT, PIPARA

DEEP TUBE-WELL INSTALLATION

Places	Discharge (lit/sec)	Total Depth (meter)	Screen Position (meter)
1. Laximiya	57.15	37.50	21.80 - 23.10
			26.50 - 27.40
			30.80 - 35.30
2. Aurahi	30.00	139.50	61.90 - 67.40
			78.40 - 89.40
			105.00 - 110.90
			135.90 - 142.00
3. Shreepur	28.50	110.20	65.00 - 68.00
			74.00 - 77.00
			85.00 - 88.00
			98.00 - 107.00
4. Raghunathpur	28.00	113.00	67.50 - 71.50
			80.10 - 85.60
			99.60 - 107.60
5.Bhangaha	37.40	92.70	36.40 - 41.40
			50.60 - 52.70
			62.50 - 73.50
			86.60 - 95.70
6.Pokharbhinda		164.60	62.50 - 78.90
			93.50 - 100.00
			103.60 - 114.90
7.Sirsi-Kataiya		95.10	74.10 - 90.50

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✓ 8. Jaleshwar	12.00	140.00	71.50 - 77.40 115.30 - 118.30 127.20 - 133.20
v 9. Ekrahiya		93.30	29.40 - 32.40 39.50 - 42.00 47.40 - 49.90 73.20 - 76.20 81.70 - 87.20
v 10.Matihani	37.60	131.70	77.90 - 80.90 94.60 - 97.80 105.30 - 111.40 119.00 - 125.10
v 11.Sunderpur		45.70	
v 12.Bijalpura			
v 13.Hathilet	37.60		
v 14.Ram Nagar			
v 15.Ram-Gopalpur	20.00	109.00	
v 16.Bisambharpur	26.10		