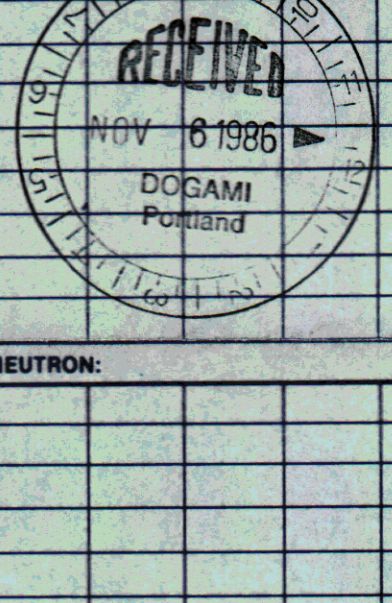


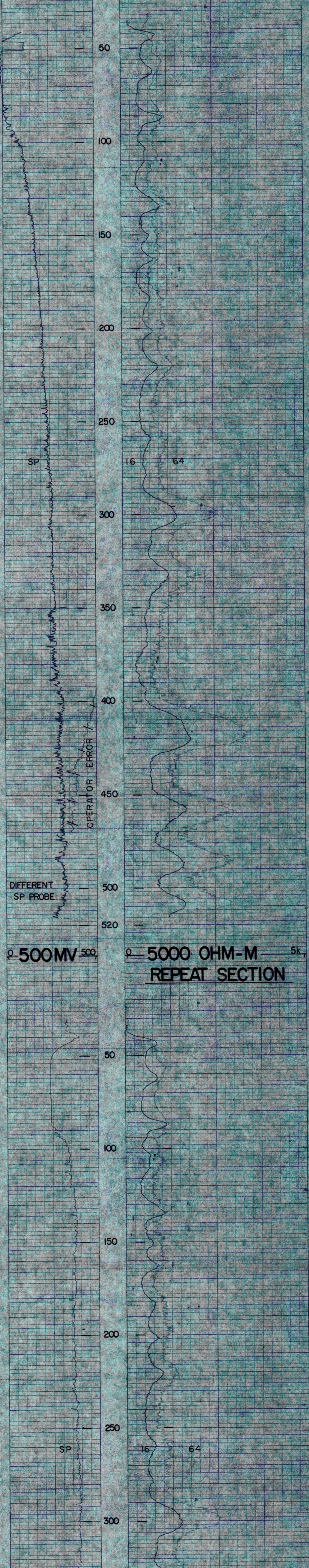
COLORADO WELL LOGGING, INC.

1019 - 8th STREET • GOLDEN, COLORADO 80401 • (303) 279-0171 • TELEX: 45-0286

PROJECT: CLACKAMAS GEOTHERMAL HOLE	HOLE: CTGH NO. 1	INSTR. MODEL: 111-1W	UNIT NO.: 245
COMPANY: THERMAL POWER CO.	DATE: JUNE 13, 1986	PROBE NO: RLP	K-FACTOR: N/A
STATE: OREGON	COUNTY: MARION	SEC: 28	TWP: 8S
DRILLING CONTRACTOR: BOYLES BROTHERS (RENO, NV)	RAN: 8E	TIME CONSTANT: N/A	SEC
DEPTH DRILLED: 517 FT	COLLAR ELEV. 3840 EST. FT	CASING THICK: 1/4 IN	OPERATOR: BOB CROWDER
DEPTH LOGGED: 516 FT	BIT SIZE: 8 3/4 IN	DRILL PIPE THICK: N/A IN	WITNESS: MR. DOUG GOODWIN
DEPTH CASING: 35 FT	TIME SINCE CIRCULATION: 15 1/2 HRS	REMARKS: DEPTH MEASURE FROM G.L. MS. ANGELA MCDANNEL	
FLUID LEVEL: 18 FT	TYPE FLUID: BENTONITE GEL**	* SE ₂ UNABLE TO RECORD SINGLE PT. RES.	
LOGGED: OPEN HOLE XXX	THRU PIPE	THRU CASING	SURF
CORRECTION FACTORS: PIPE CASING WATER		** W/POLYMER - VIS. 47 SEC. 9.1 LB.	
NATURAL GAMMA	INITIAL RUN	RERUNS	
DEPTH	FROM	RESISTANCE	INIT 1 2 3 4 5
NO.	TO	DEPTH	FROM
		TO	
FULL SCALE (CPS)		LOGGING SPEED - FT/MIN	
CHART RATIO - FT/IN		RATIO - OHMS/DIV	
LOGGING SPEED - FT/MIN		DISPLACEMENT OHMS	
DIGITAL INTERVAL - FT		SPONTANEOUS POTENTIAL	
TIME CONSTANT - SEC		DEPTH	FROM
Y-Y DENSITY:	N-N NEUTRON:	TO	515.5 516
DEPTH	FROM	LOGGING SPEED - FT/MIN	35 40
NO.	TO	RATIO - MILLVOLTS/DIV	25 25
		BIAS - MILLVOLTS	50 20
FULL SCALE (CPS)		RESISTIVITY	16" 64"
DISPLACEMENT - CPS		DEPTH	FROM
CHART RATIO - FT/IN		TO	516 516 512 512
LOGGING SPEED - FT/MIN		LOGGING SPEED - FT/MIN	35 35 35 35
DIGITAL INTERVAL - FT		RATIO - OHMS/DIV	25 30 25 20
		RATIO - OHM-M/DIV	5k 5k 5k 5k



COMPANY: THERMAL POWER PROJECT: CLACKAMAS G.H. HOLE NO. 1 STR. NO. 1 DATE: 1-8-86



S.P. 275 500MV 225

16" & 64" RESISTIVITY 0 5000 OHM-M 5k

CLACKAMAS GEOTHERMAL CTGH NO. 1

RECORDER CAL ZERO SPAN 100 MV

ZERO SPAN 100 MV

MOULT SORRIS INSTRUMENT CO. DELTA, COLORADO, U.S.A. CHART NO. 41-E