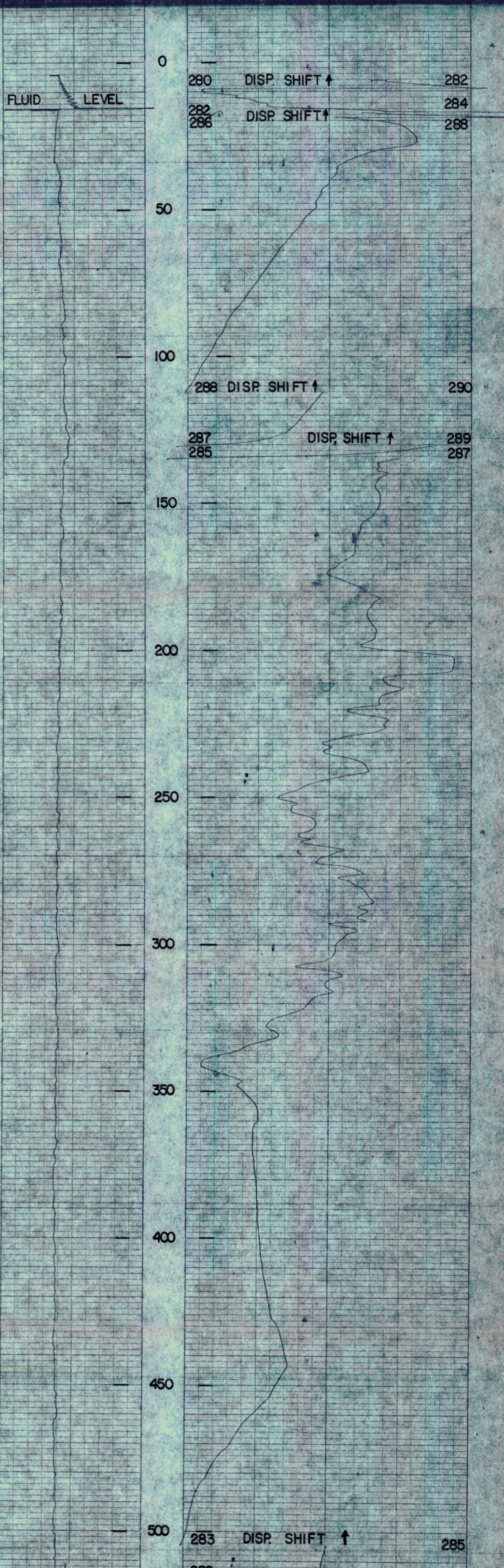
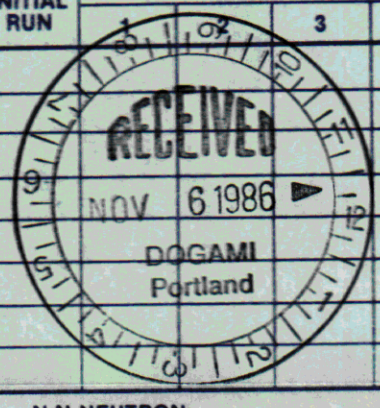




# COLORADO WELL LOGGING, INC.

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

PROJECT: CLACKAMAS GEOTHERMAL HOLE	HOLE: CTGH NO. 1	INSTR. MODEL: III-IW	UNIT NO.: 245
COMPANY: THERMAL POWER CO.	DATE: JUNE 13, 1986	PROBE NO.: MLM3280	K-FACTOR: N/A
STATE: OREGON	COUNTY: MARION	DEAD TIME: N/A	
SEC: 28*	TWP: 8S	TIME CONSTANT: N/A	SEC
RAN: 8F		TIME ON: 06:30	OFF: 07:30
DRILL HOLE DATA: DRILLING CONTRACTOR: BOYLES BROTHERS (RENO, NV)		OPERATOR: BOB CROWDER	
DEPTH DRILLED: 517 FT	COLLAR ELEV: 3840 EST. FT	CASING THICK: 1/4 IN	WITNESS: MR. DOUG GOODWIN
DEPTH LOGGED: 516 FT	BIT SIZE: 8 3/4 IN	DRILL PIPE THICK: N/A IN	MS. ANGELA McDANNEL
DEPTH CASING: 35 FT	TIME SINCE CIRCULATION: 14 1/2 HRS	REMARKS: DEPTH MEASURE FROM G.L.	
FLUID LEVEL: 18 FT	TYPE FLUID: BENTONITE GEL**	* SF	
LOGGED: OPEN HOLE: XXX	THRU PIPE: SURF	THRU CASING: SURF	** .47 SEC. VIS. 9.1 LB. W/POLYMER
CORRECTION FACTORS: PIPE: _____	CASING: _____	WATER: _____	FLUID RES. OFFSET UPWARD
NATURAL GAMMA: _____	INITIAL RUN: _____	RERUNS: 3 4 5	BOTTOM TEMPERATURE STATIC FOR 8 MIN.
DEPTH: FROM _____ TO _____ NO. _____	TEMP RESISTANCE CONT. INIT 1 2 3 4 5	DEPTH: FROM _____ TO _____	
FULL SCALE (CPS): _____	LOGGING SPEED - FT/MIN: _____	RATIO - OHMS/DIV: _____	
CHART RATIO - FT/IN: _____	LOGGING SPEED - FT/MIN: _____	DISPLACEMENT OHMS: _____	
LOGGING SPEED - FT/MIN: _____	DIGITAL INTERVAL - FT: _____	TIME CONSTANT - SEC: _____	
Y-Y DENSITY: _____	N-N NEUTRON: _____	SPONTANEOUS POTENTIAL: _____	
DEPTH: FROM _____ TO _____ NO. _____	LOGGING SPEED - FT/MIN: _____	RATIO - MILLIVOLTS/DIV: _____	
FULL SCALE (CPS): _____	DISPLACEMENT - CPS: _____	LOGGING SPEED - FT/MIN: _____	
CHART RATIO - FT/IN: _____	LOGGING SPEED - FT/MIN: _____	DIGITAL INTERVAL - FT: _____	
LOGGING SPEED - FT/MIN: _____	DIGITAL INTERVAL - FT: _____	RESISTIVITY: _____	
DIGITAL INTERVAL - FT: _____		DEPTH: FROM _____ TO _____	
		LOGGING SPEED - FT/MIN: _____	
		RATIO - OHM-M/DIV: _____	



FLUID RES.  
0 50 OHM 50

TEMPERATURE  
282 284  
2.0° K

## CLACKAMAS GEOTHERMAL CTGH NO. 1

INST. CAL.  
RECORDER CAL.  
ZERO SPAN  
100 MV

INST. CAL.  
RECORDER CAL.  
ZERO SPAN  
100 MV

MOUNT SOPRIS INSTRUMENT CO. DELTA, COLORADO, U.S.A. CHART NO. 411 E

COMPANY: THERMAL POWER PROJECT: CLACKAMAS G.H. HOLE NO. 1 DATE: 13-86