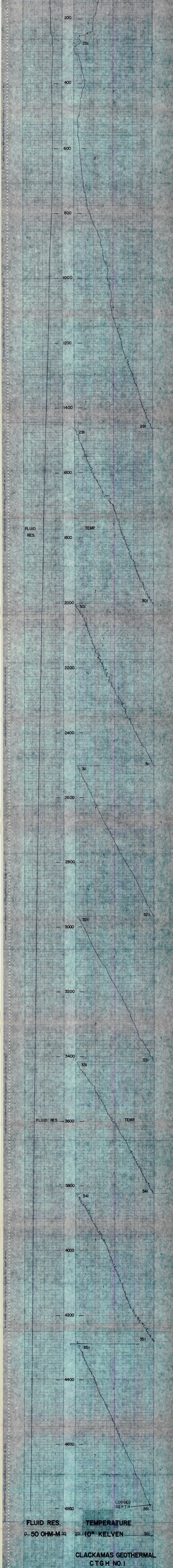


COLORADO WELL LOGGING, INC.

1019 - 8th STREET • GOLDEN, COLORADO 80401 • (303) 279-0171 • TELEEX 45-0288

PROJECT: CLACKAMAS GEOTHERMAL		HOLE: CTGH #1		INSTR. MODEL: L11		UNIT NO.: 19	
COMPANY: THERMAL POWER		DATE: 9-5-86		PROBE NO.: MIP		K-FACTOR:	
STATE: OREGON		COUNTY: MARION		SEC: 28		TWP: 8S	
DRILL HOLE DATA:		DRILLING CONTRACTOR: BOYLES BROTHERS		DEAD TIME:		TIME CONSTANT: SEC	
DEPTH DRILLED: 4800 FT		COLLAR ELEV: 3840 EST. FT		CASING THICK: IN		TIME ON: 07:30	
DEPTH LOGGED: 4785 FT		BIT SIZE: NX CORE		DRILL PIPE THICK: IN		OFF: 13:15	
DEPTH CASING: FT		TIME SINCE CIRCULATION:		REMARKS: DEPTH MEASURE FROM GROUND LEVEL			
FLUID LEVEL: 22 FT		TYPE FLUID: BENTONITE GEL		LOGGED THRU: NX CORE			
CORRECTED OPEN HOLE:		THRU PIPE:		THRU CASING:		OPERATOR: BATES	
CORRECTION FACTORS: PIPE:		CASING:		WATER:		WITNESS: JOE IOVENETTI	
NATURAL GAMMA		INITIAL RUN		REBRYANDE TEMP.		INIT	
1		2		3		4	
3		4		5		6	
DEPTH		FROM		DEPTH		FROM	
TO		NO.		SURF		4785	
NO.		NO.		LOGGING SPEED - FT/MIN		20	
FULL SCALE (CPS)		LOGGING SPEED - FT/MIN		RATIO - OHM-M/DIV		25	
CHART RATIO - FT/IN		LOGGING SPEED - FT/MIN		BIAS - MILLIVOLTS/DIV		28	
LOGGING SPEED - FT/IN		DIGITAL INTERVAL - FT		SPONTANEOUS POTENTIAL			
DIGITAL INTERVAL - FT		TIME CONSTANT - SEC		DEPTH		FROM	
YY DENSITY:		N-N NEUTRON:		TO			
FROM		LOGGING SPEED - FT/MIN		RATIO - MILLIVOLTS/DIV			
TO		RATIO - MILLIVOLTS/DIV		BIAS - MILLIVOLTS			
NO.		RESISTIVITY		FLUID RES.			
FULL SCALE (CPS)		DISPLACEMENT - CPS		DEPTH		FROM	
CHART RATIO - FT/IN		LOGGING SPEED - FT/IN		SURF		4785	
LOGGING SPEED - FT/IN		DIGITAL INTERVAL - FT		LOGGING SPEED - FT/MIN		20	
DIGITAL INTERVAL - FT		RATIO - OHM-M/DIV		RATIO - OHM-M/DIV		5	



CLACKAMAS GEOTHERMAL
 CTGH NO.1
 THERMAL POWER
 9-5-86