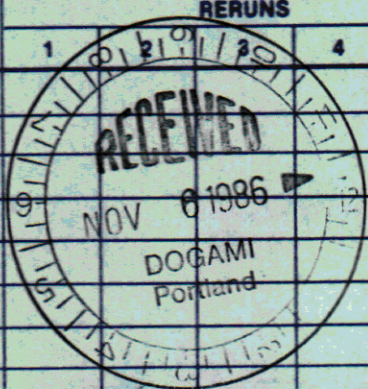




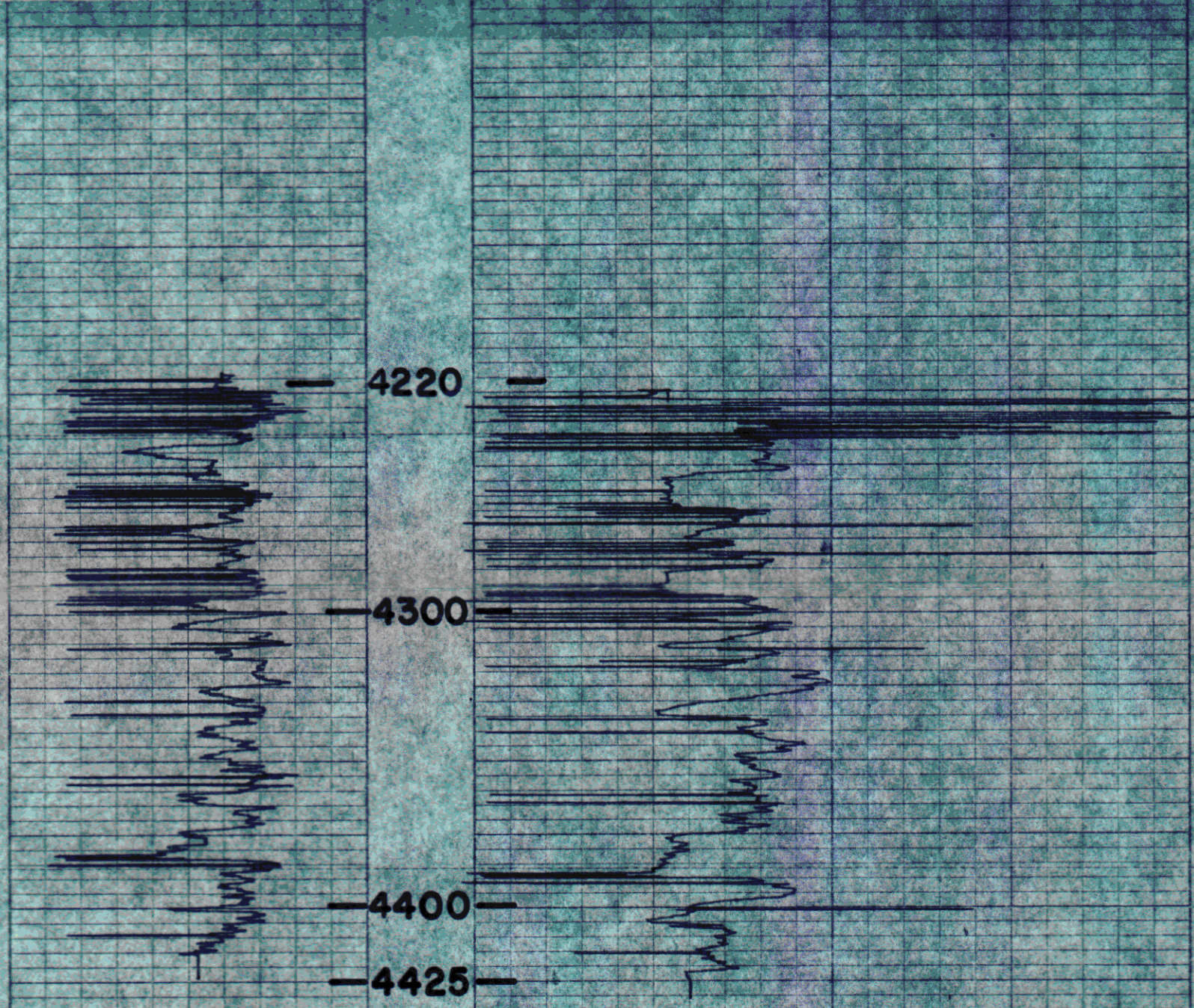
# COLORADO WELL LOGGING, INC.

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

PROJECT: CLACKAMAS GEOTHERMAL	HOLE: CTGH #1	INSTR. MODEL: III	UNIT NO.: 19			
COMPANY: THERMAL POWER	DATE: 9-6-86	PROBE NO.: CLP	K-FACTOR:			
STATE: OREGON	COUNTY: MARON	SEC: 28	TWP: 8S			
	RAN: 8F	DEAD TIME:	TIME CONSTANT: SEC			
DRILL HOLE DATA: DRILLING CONTRACTOR BOYLES BROTHERS		TIME ON: 05:00	OFF: 08:30			
DEPTH DRILLED 4800 FT	COLLAR ELEV. 3840 EST. FT	CASING THICK IN	OPERATOR: CROWDER			
DEPTH LOGGED 4425 FT	BIT SIZE NX CORE	IN	DRILL PIPE THICK IN			
DEPTH CASING FT	TIME SINCE CIRCULATION	REMARKS DEPTH MEASURE FROM GROUND LEVEL				
FLUID LEVEL 22 FT	TYPE FLUID BENTONITE GEL	9.1# - VIS. 42 - 48 SEC., W-POLYMER				
LOGGED: OPEN HOLE THRU PIPE THRU CASING		PROBE DIED AT 4425FT. DUE TO HEAT.				
CORRECTION FACTORS: PIPE CASING WATER						
NATURAL GAMMA	INITIAL RUN	RERUNS				
DEPTH	FROM	1	2	3	4	5
	TO					
	NO.					
FULL SCALE (CPS)						
CHART RATIO - FT/IN						
LOGGING SPEED - FT/MIN						
DIGITAL INTERVAL - FT						
TIME CONSTANT - SEC						
Y-Y DENSITY: N-N NEUTRON:						
DEPTH	FROM					
	TO					
	NO.					
FULL SCALE (CPS)						
DISPLACEMENT - CPS						
CHART RATIO - FT/IN						
LOGGING SPEED - FT/MIN						
DIGITAL INTERVAL - FT						
		RESISTANCE	INIT	1	2	3
		DEPTH	FROM			
			TO			
		LOGGING SPEED - FT/MIN				
		RATIO - OHMS/DIV				
		DISPLACEMENT OHMS				
		SPONTANEOUS POTENTIAL	DELTA T			
		DEPTH	FROM	4225		
			TO	4425		
		LOGGING SPEED - FT/MIN		15		
		RATIO - MILLIVOLTS/DIV		20	MICRO SEC./DIV	
		BIAS - MILLIVOLTS		0		
		RESISTIVITY				
		DEPTH	FROM			
			TO			
		LOGGING SPEED - FT/MIN				
		RATIO - OHM-M/DIV				



COMPANY: THERMAL POWER PROJECT: CLACKAMAS HOLE NO.: CTGH #1 DATE: 9-6-86



CLACKAMAS GEOTHERMAL  
 CTGH NO. 1  
 THERMAL POWER  
 9-6-86

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