COLOG COLORADO WELL LOGGING, INC.

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

PROJECT: CLACKAMAS GEOTHERMAL
HOLE: CTGH #1
COMPANY: THERMAL POWER
DATE: 9-5-86
STATE: OREGON
COUNTY: MARON
SEC: 28
TWP: 8S
RAN: 8E

INSTR. MODEL: III
UNIT NO.: 19
PROBE NO.: XAP
K-FACTOR:
DEAD TIME: LESS THAN 1 MOCRO SEC.
TIME CONSTANT: 05 SEC
TIME ON: 00:15
OFF: 05:45
OPERATOR: BATES
WITNESS: JOE IOVENETTI

DRILL HOLE DATA:
DRILLING CONTRACTOR BOYLES BROTHERS
DEPTH DRILLED 4800 FT
COLLAR ELEV. 3840 EST. FT
CASING THICK IN
DEPTH LOGGED 4800 FT
BIT SIZE NX CORE IN
DRILL PIPE THICK IN
DEPTH CASING FT
TIME SINCE CIRCULATION
FLUID LEVEL 22 FT
TYPE FLUID BENTONITE GEL
LOGGED: OPEN HOLE
THRU PIPE
THRU CASING
CORRECTION FACTORS: PIPE
CASING
WATER

REMARKS DEPTH MEASURE FROM GROUD LEVEL

LOGGED THRU NX CORE

9.1# - VIS. 42 - 48 SEC., W-POLYMER

NATURAL GAMMA		INITIAL RUN	RERUNS 1	[✓ 2]	3	4	5
DEPTH	FROM	4800	3950	3950			
	TO	3550	4452	SURF			
	NO.	1250	502	3950			
FULL SCALE (CPS)		100	100	100			
CHART RATIO - FT/IN		50	50	50			
LOGGING SPEED - FT/MIN		30	30	30			
DIGITAL INTERVAL - FT		.5	.5	.5			
TIME CONSTANT - SEC		.5	.5	.5			

~~γ-γ DENSITY:~~ N-N NEUTRON:							
DEPTH	FROM	4800	3950	3950	540		
	TO	3550	4452	320	SURF		
	NO.	1250	502	3630	540		
FULL SCALE (CPS)		5000	5000	5000	5000		
DISPLACEMENT - CPS		3000	2500	2500	0		
CHART RATIO - FT/IN		50	50	50	50		
LOGGING SPEED - FT/MIN		30	30	30	30		
DIGITAL INTERVAL - FT		5	5	5	5		

RESISTANCE		INIT	1	2	3	4	5
DEPTH	FROM						
	TO						
LOGGING SPEED - FT/MIN							
RATIO - OHMS/DIV							
DISPLACEMENT OHMS							
SPONTANEOUS POTENTIAL							
DEPTH	FROM						
	TO						
LOGGING SPEED - FT/MIN							
RATIO - MILLIVOLTS/DIV							
BIAS - MILLIVOLTS							
RESISTIVITY							
DEPTH	FROM						
	TO						
LOGGING SPEED - FT/MIN							
RATIO - OHM-M/DIV							

RECEIVED
NOV 6 1986
DOGAMI
Portland

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PROJECT CLACKAMAS
HOLE NO. CTGH #1
DATE 9-5-86

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WELL CTGH 1
THERMAL POWER
9-5-86