FIELD PRINT

Welex

TEMPERATURE LOG

COMPANY
WELL
FIELD
County
State

COMPANY *NORTHWEST GEOTHERMAL CORP.*

WELL *OLD MAID FLAT #1*

FIELD *NGC (OLD MAID FLAT)*

COUNTY *CLACKAMAS* STATE *OREGON*

Location *2400' E of W. Line*
500' N of S. Line

Sec. *15* Twp *25* Rge *8E*

Other Services:
DIGL
CAUL
F.F.
COL/G/N
Drift
SWL

Permanent Datum *G.L.* Elev. *2750'*
Log Measured From *K.B.* OR *10* Ft. Above Perm. Datum
Drilling Measured From *K.B.*

Elev.: K.B. *2760'*
D.F.
G.L. *2750'*

Date	*8-17-78*			
Run No.	*ONE*			
Depth—Driller	*4002'*			
Depth—Welex	*4000'*			
Btm. Log Inter.	*4000'*			
Top Log Inter.	*0*			
Casing—Driller	*8⅝* @ *160'*	@	@	@
Casing—Welex	*162'*			
Bit Size	*7⅞*			
Type Fluid in Hole	*Quik-Gel*			
Dens. | Visc.	*98* | *40*	|	|	|
pH | Fluid Loss	*10.0* | *N.A.* ml	| ml	| ml	| ml
Source of Sample	*Pit*			
R_m @ Meas. Temp.	*6.15* @ *60* °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	*5.92* @ *60* °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	*6.28* @ *60* °F	@ °F	@ °F	@ °F
Source R_{mf} R_{mc}	*M* | *M*	|	|	|
R_m @ BHT	*2.22* @ *166* °F	@ °F	@ °F	@ °F
Time Since Circ.	*24 Hrs ±*			
Max. Rec. Temp.	*176* °F @ *BHT*	°F @	°F @	°F @
Equip. | Location	*9430* | *WDLND*	|	|	|
Recorded By	MR. *Dove*			
Witnessed By	MR. *Colvert*			

Fold Here

Service Ticket No *00698* Remarks:

Change in Mud Type or Additional Samples

Date | Sample No.	|	|
Depth—Driller		
Type Fluid in Hole		
Dens. | Visc.	|	|
ph | Fluid Loss	| ml	|
Source of Sample		
R_m @ Meas. Temp.	@ °F	@ °F
R_{mf} @ Meas. Temp.	@ °F	@ °F
R_{mc} @ Meas. Temp.	@ °F	@ °F
Source: R_{mf} | R_{mc}	|	|
R_m @ BHT	*2.22* @ *166* °F	@ °F
R_{mf} BHT	*2.13* @ *166* °F	@ °F
R_{mc} BHT	*2.26* @ *166* °F	@ °F

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole
Temp	*10*	*30 To 70*	*60 To 100*
	1140	*60 To 100*	*90 To 130*
	2410	*90 To 130*	*120 To 160*
	3550	*120 To 160*	*150 To 190*

EQUIPMENT DATA

Run No.	Tool Type and No.	Pad Type	Tool Position	Other
ONE	*Temp 20292*		*FREE*	

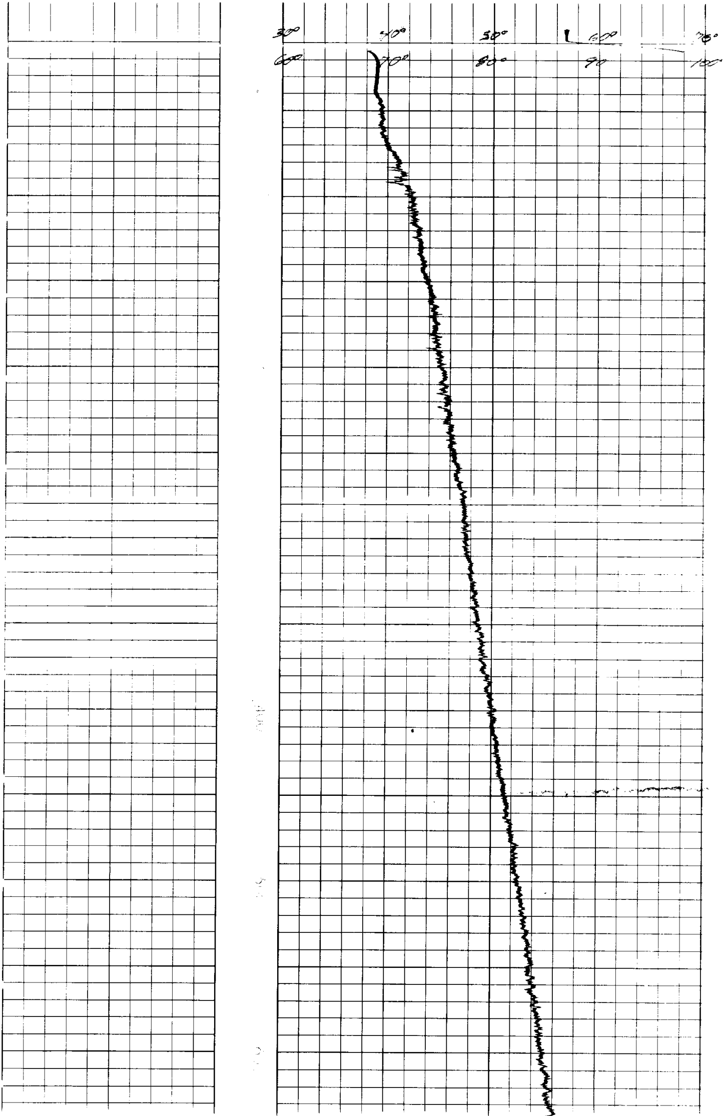
Tool CALibrated with Cold Water @ 52°; Hot Water @ 137° outside Temp 62° to 68° and Tool read both in and out The same as Termometer read.
Bottom Hole Thermometer read 176°

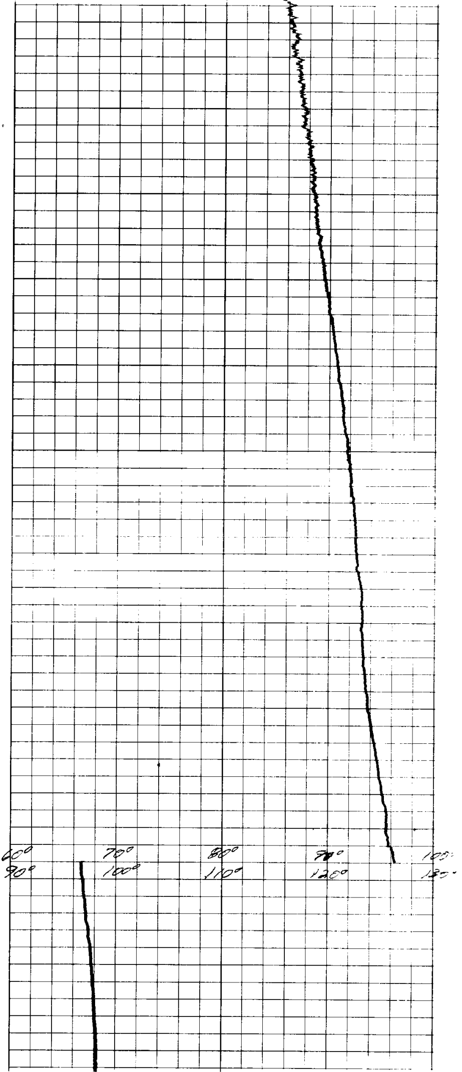
Welex does not guarantee the accuracy of any interpretation of log data, conversion of log data to physical rock parameters, or recommendations which may be given by Welex personnel or which may appear on the log or in any other form. Any user of such data, interpretations, conversions, or recommendations agrees that Welex is not responsible, except where due to gross negligence or wilful misconduct, for any loss, damages, or expenses resulting from the use thereof.

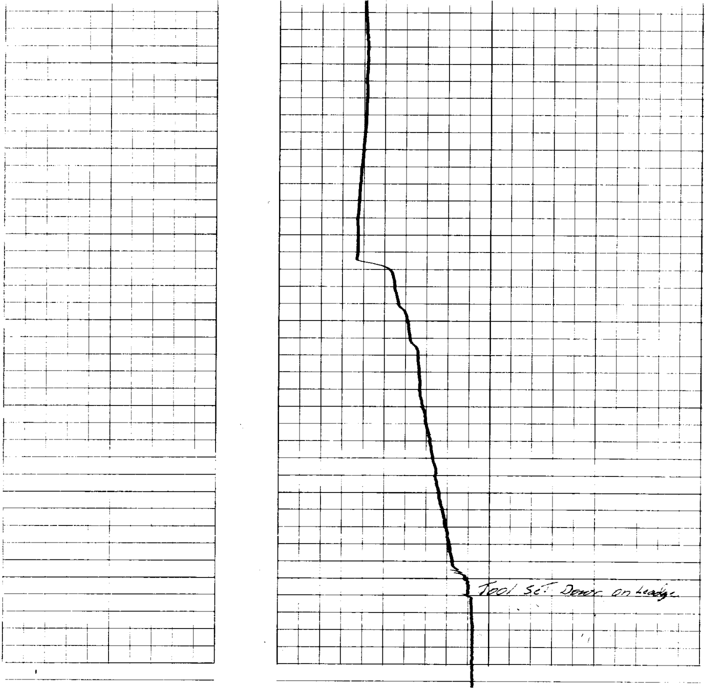
ONE MINUTE INTERVAL MAR

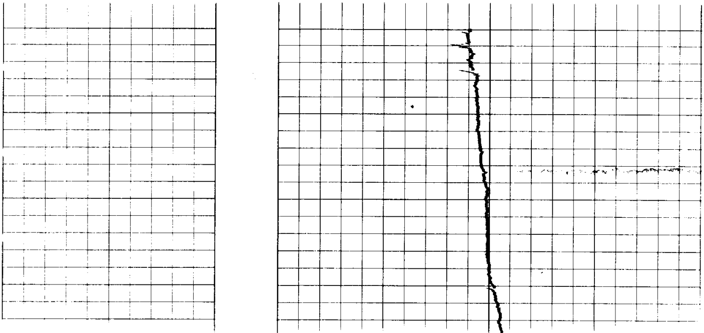
TEMPERATURE IN DEGREES FAHRENHEIT

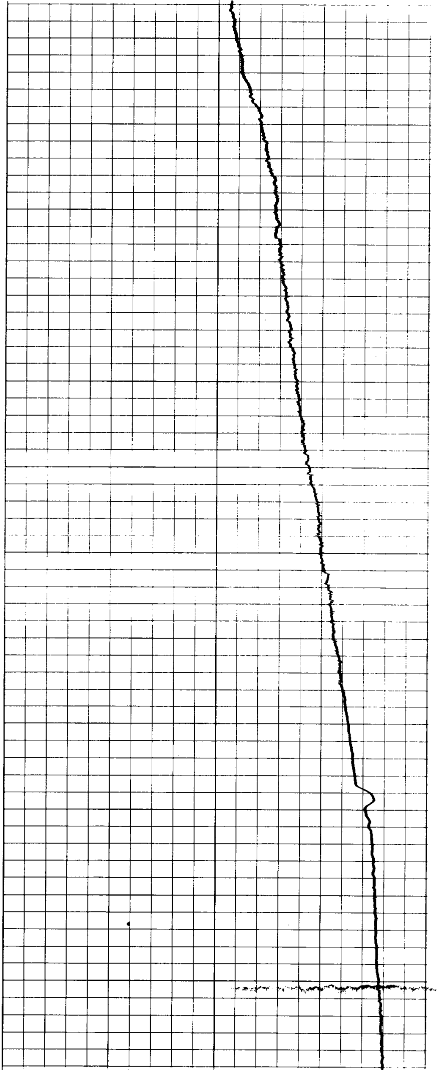
30 *40* *50* *60* *70*

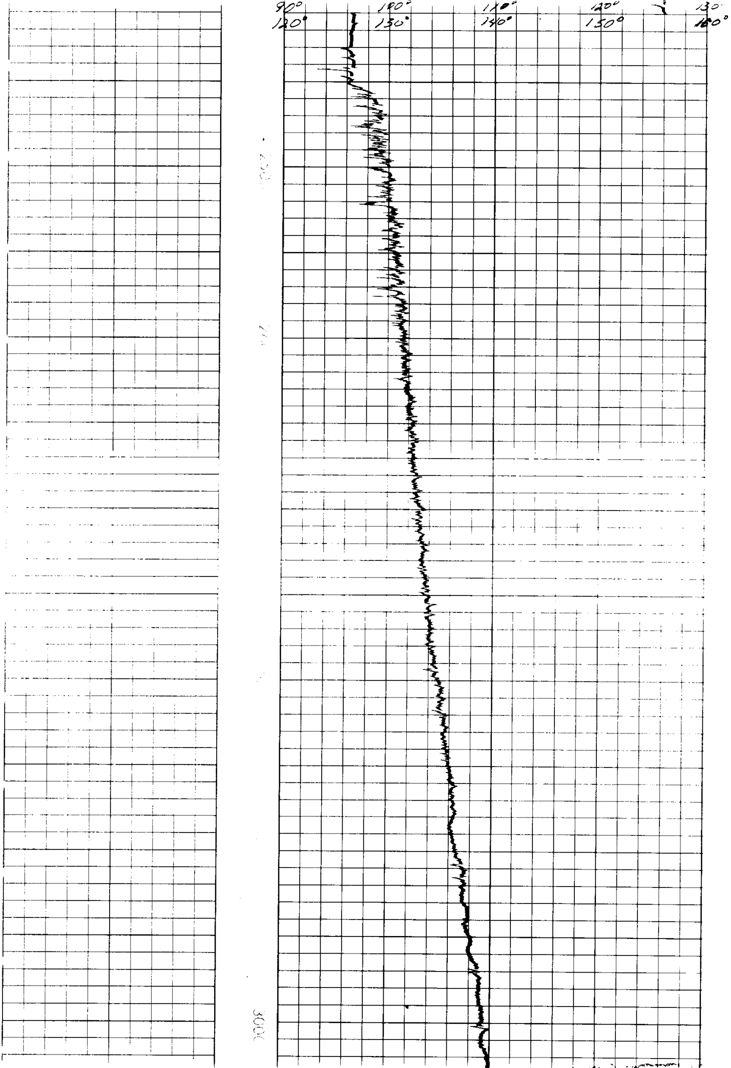


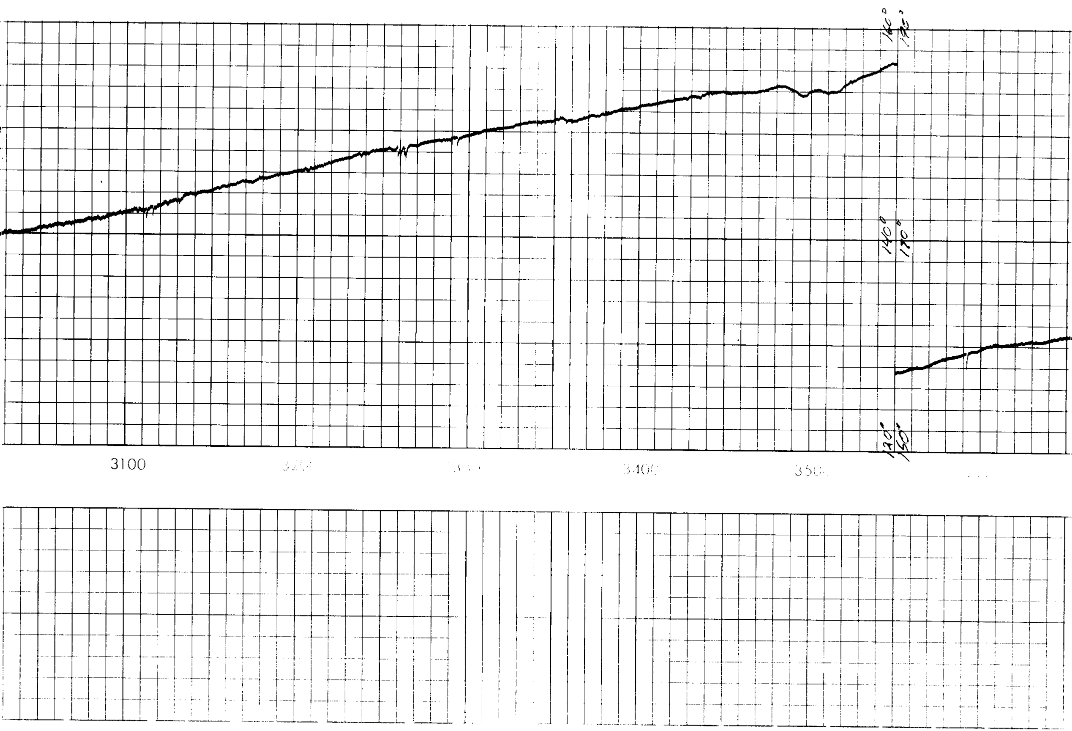


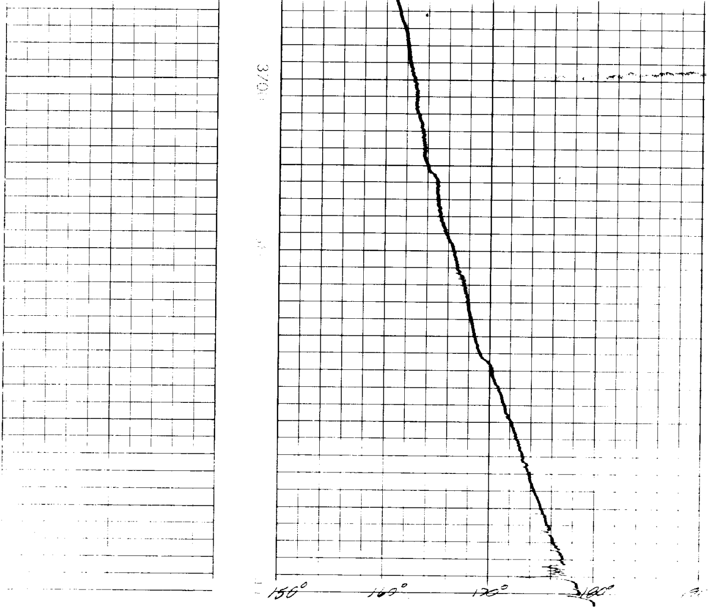












BOTTOM HOLE Termometer Read 176°

BEFORE LOG

AFTER LOG