FIELD PRINT

Welex

FRACTURE FINDER
MICRO-SEISMOGRAM® LOG

COMPANY ____________
WELL ____________
FIELD ____________
County ____________ State ____________

COMPANY NORTHWEST GEOTHERMAL CORP.

WELL OLD MAID FLAT #7

FIELD N.G.C. (OLD MAID FLAT)

COUNTY CLACKAMAS STATE OREGON

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

Sec. ______ Twp ______ Rge ______

Other Services:
DIGL
CAVL
COL/GIN
SWC
Temp
Deflct

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

Elev.: K.B. 2760'
D.F. –
G.L. 2750'

Date	8-16-78			
Run No.	ONE			
Depth—Driller	4002'			
Depth—Welex	4002			
Btm. Log Inter.	[illegible]			
Top Log Inter.	162'			
Casing—Driller	8⅝ @ 160'	@	@	@
Casing—Welex	162'			
Bit Size	7⅞			
Type Fluid in Hole	Quik-Gel CC-16			
Dens. | Visc.	98 | 40	|	|	|
pH | Fluid Loss	10.0 | N.R. 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.	168 °F @ BHT	°F @	°F @	°F @
Equip. | Location	9430 | Vancouver	|	|	|
Recorded By	Doug			
Witnessed By	Mr. Calvert			

Fold Here

Service Ticket No. 006981 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

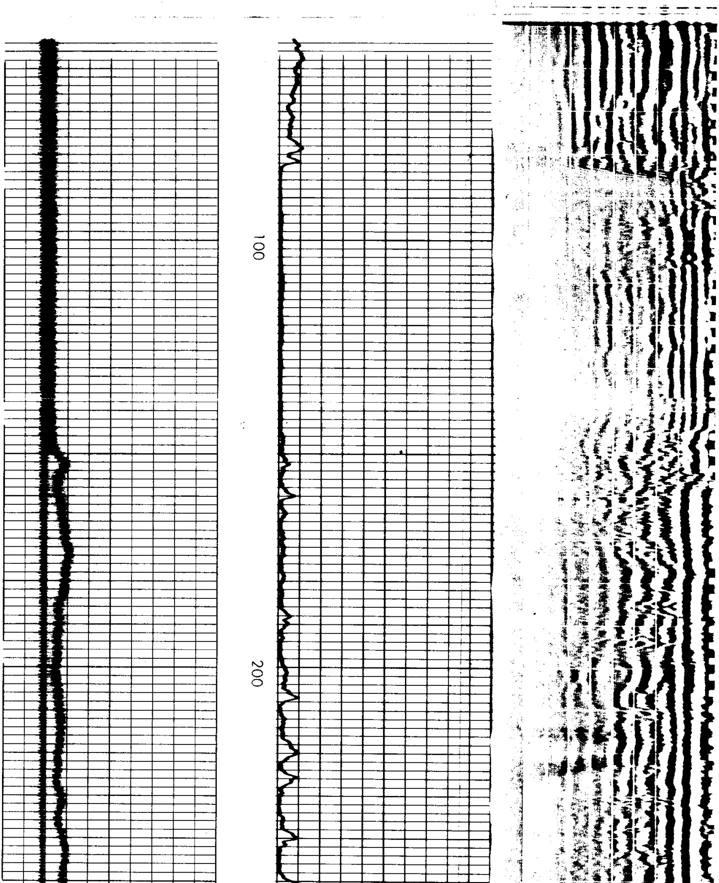
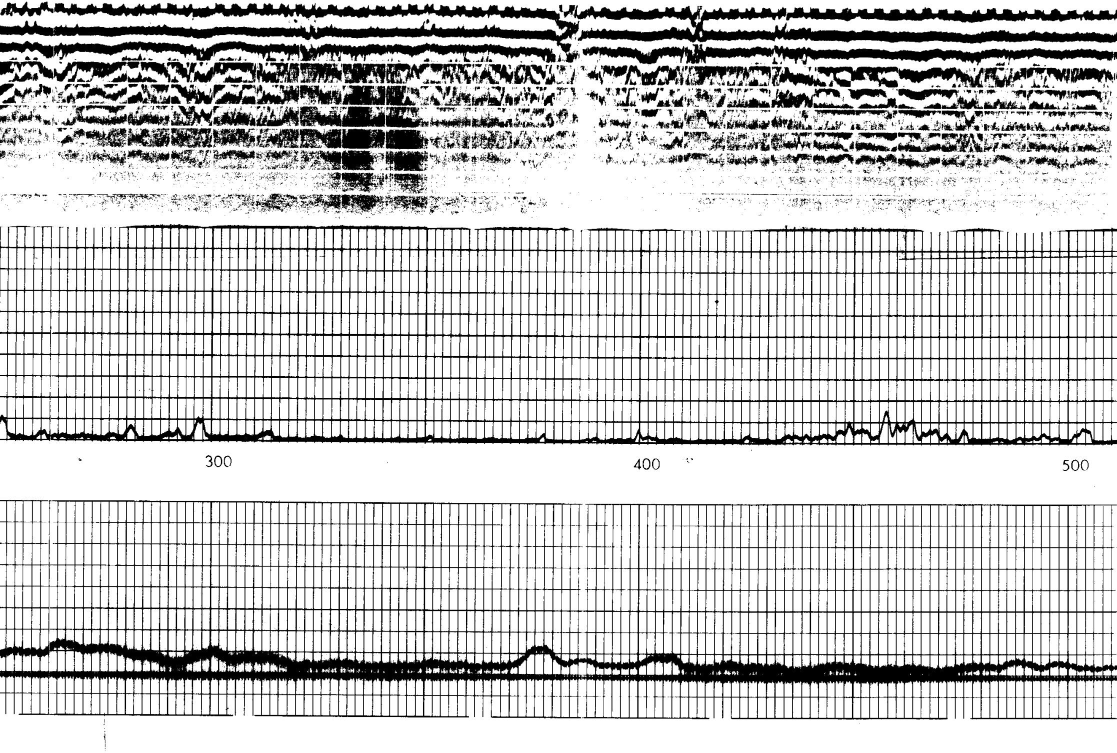
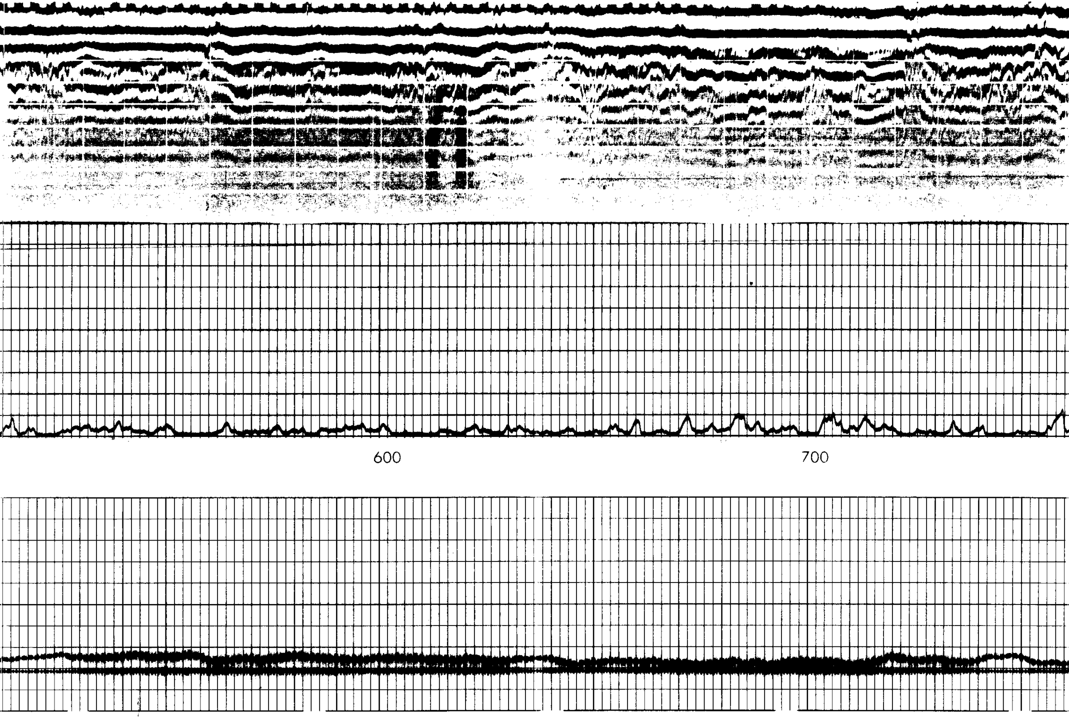
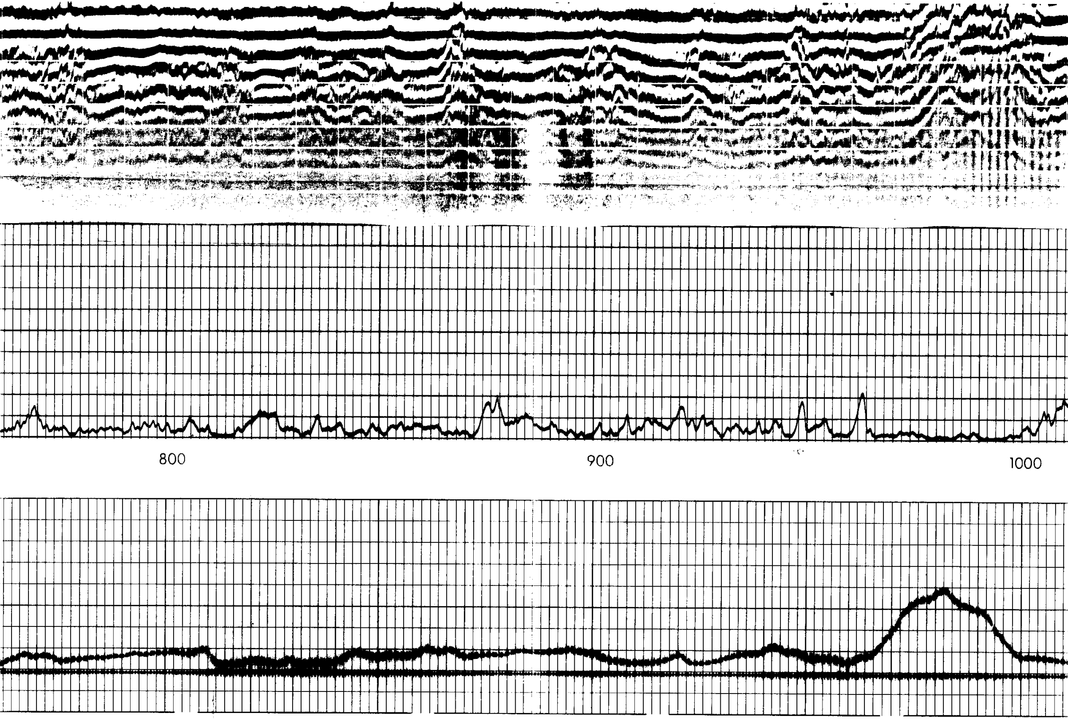
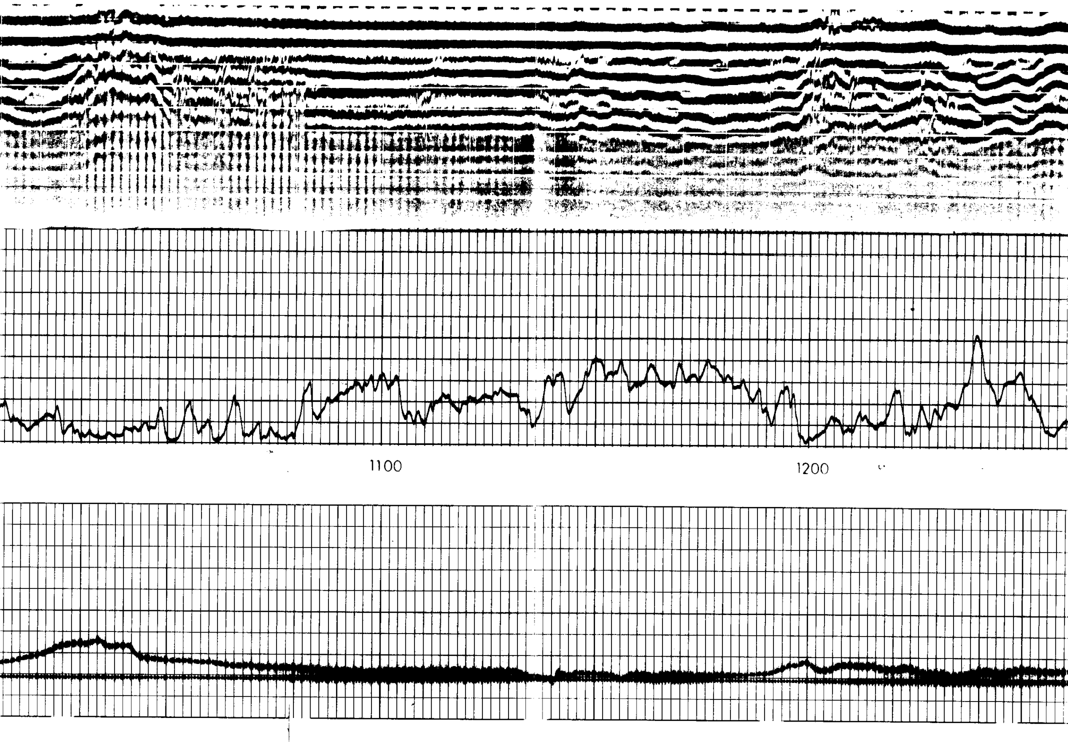
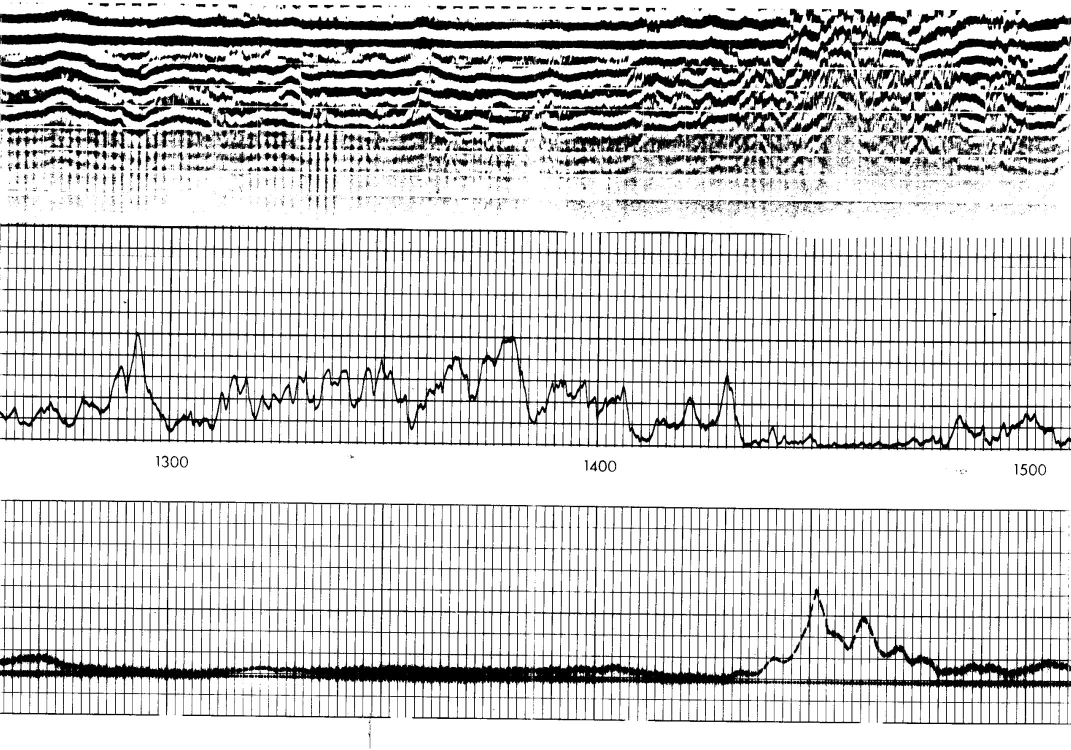
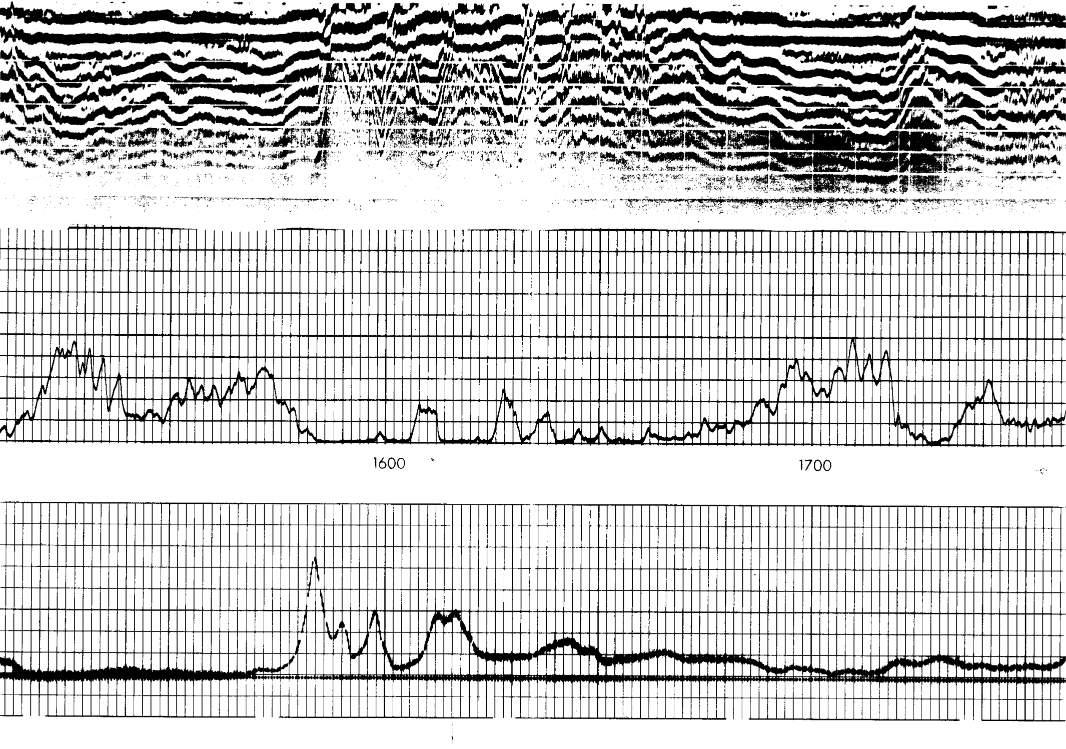
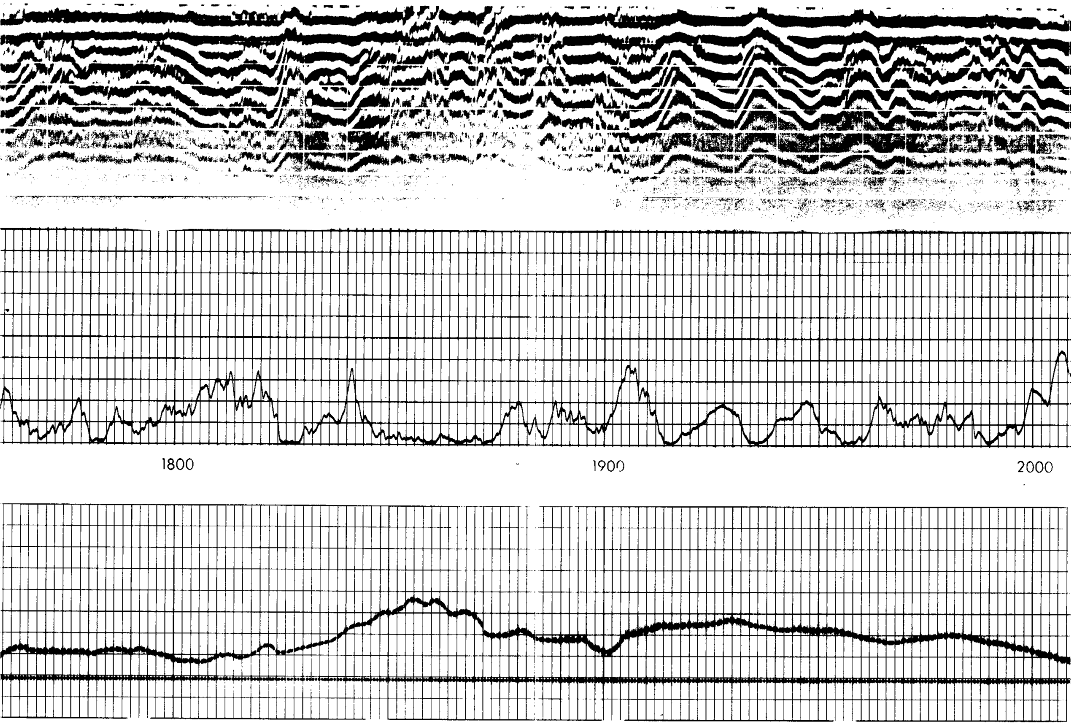
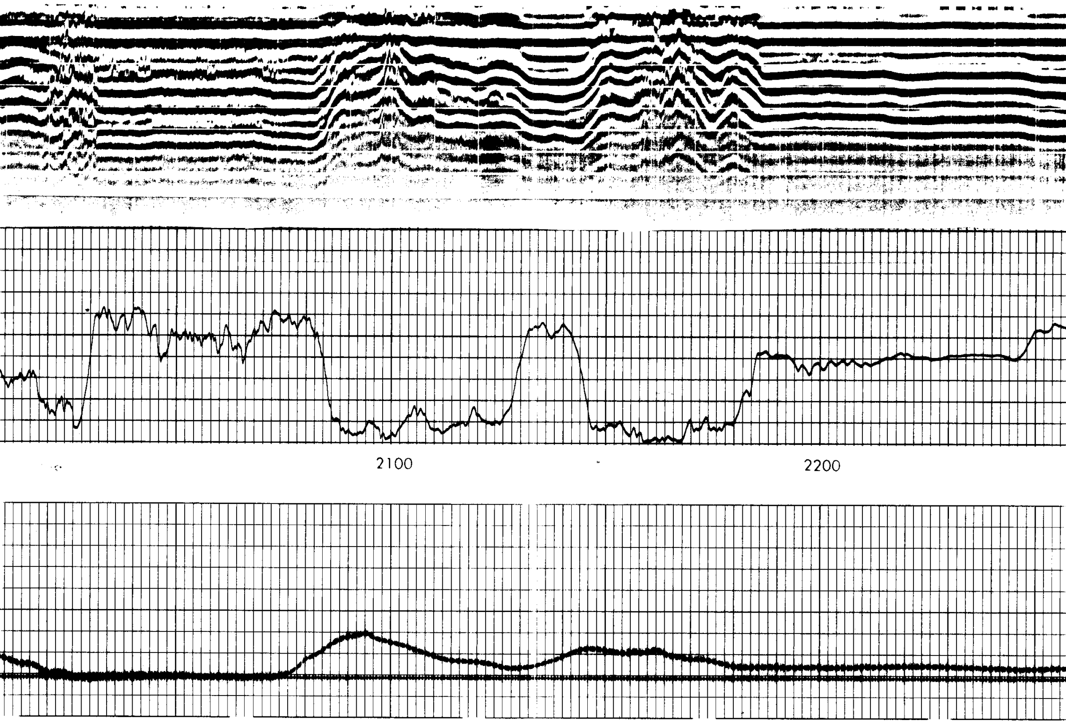
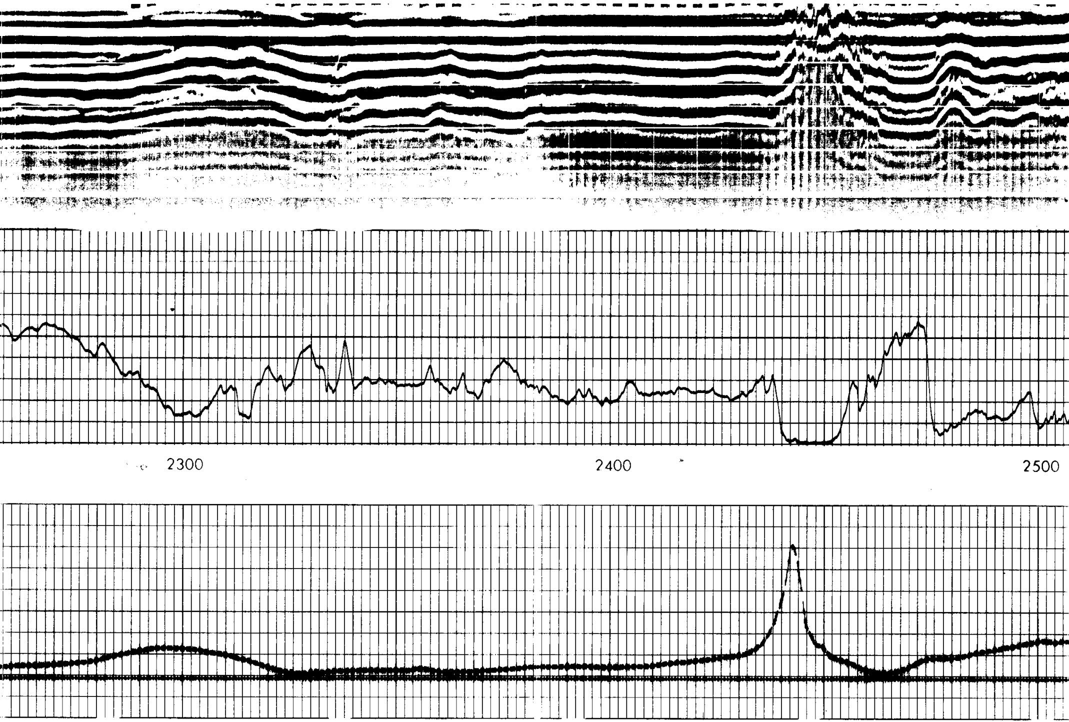
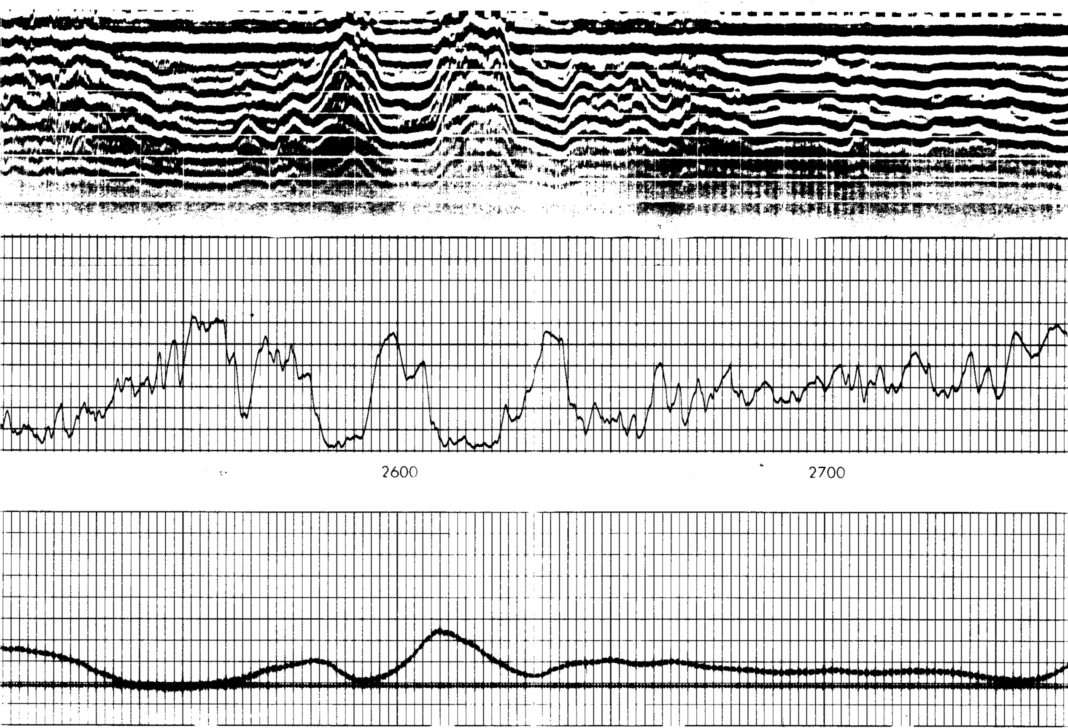
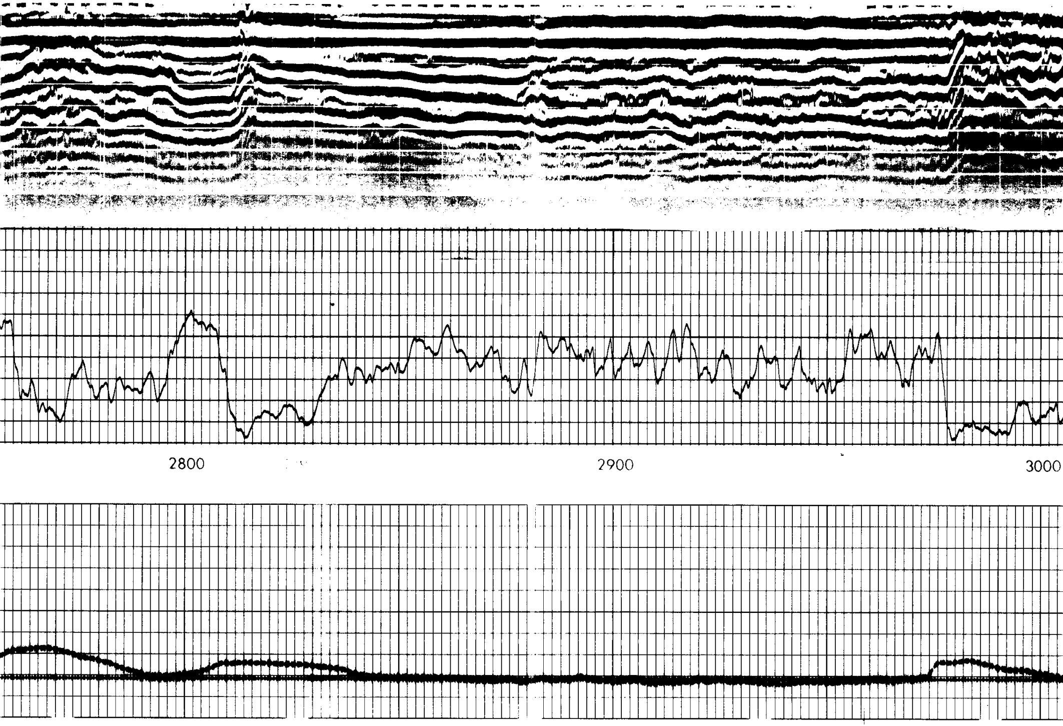
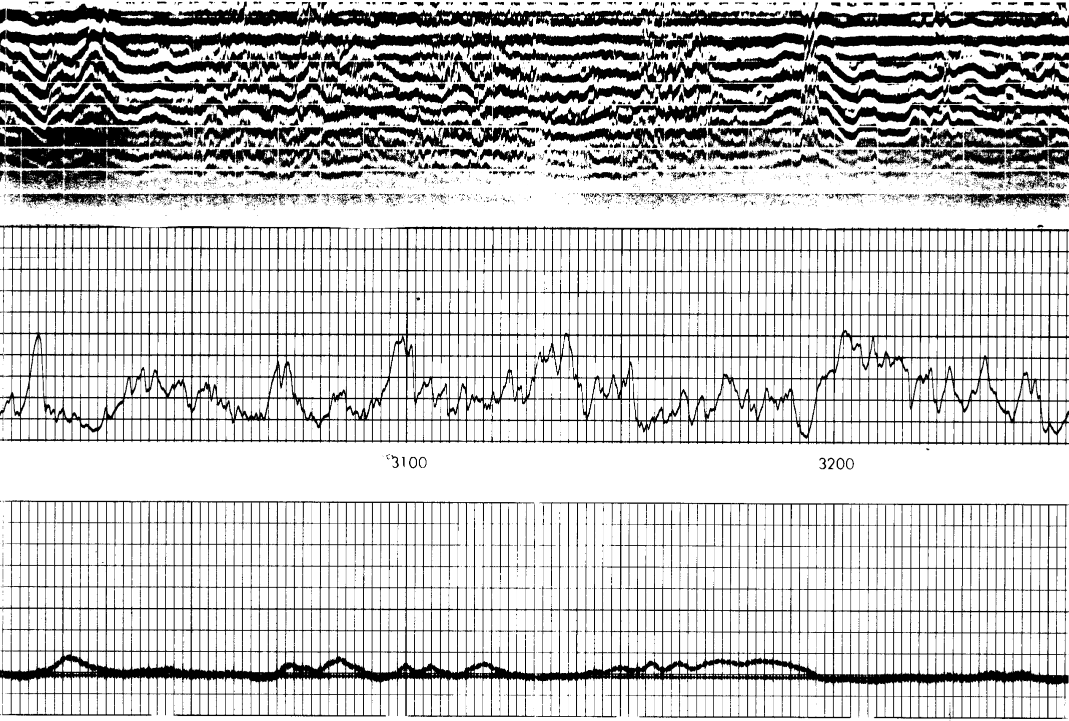
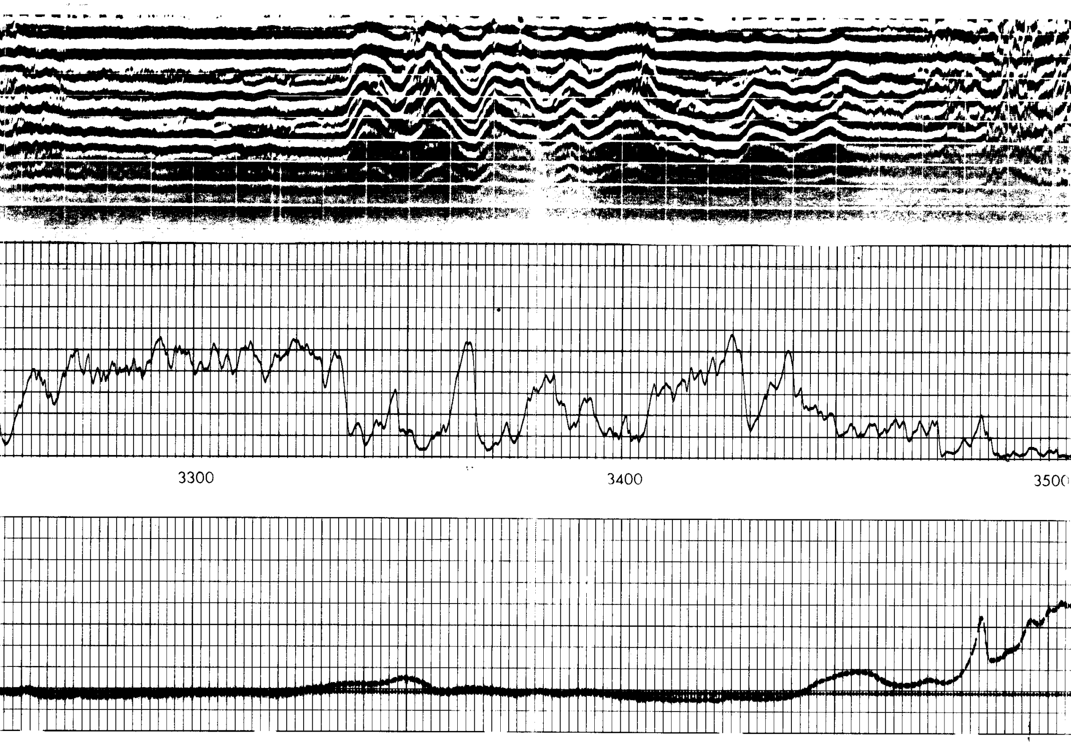
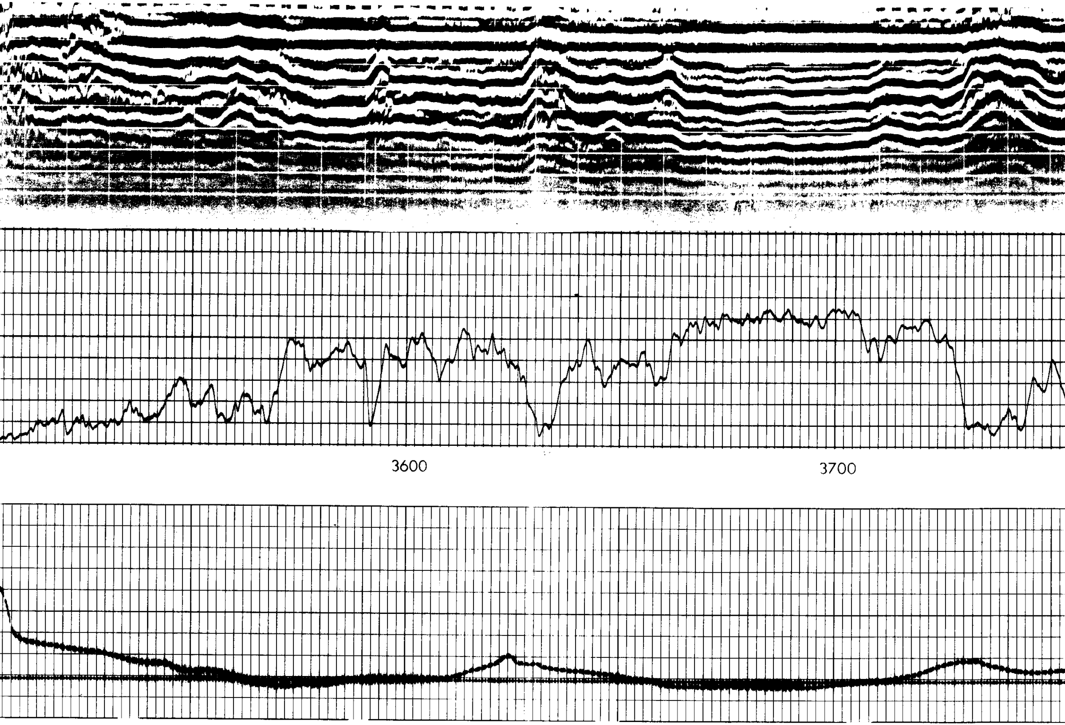
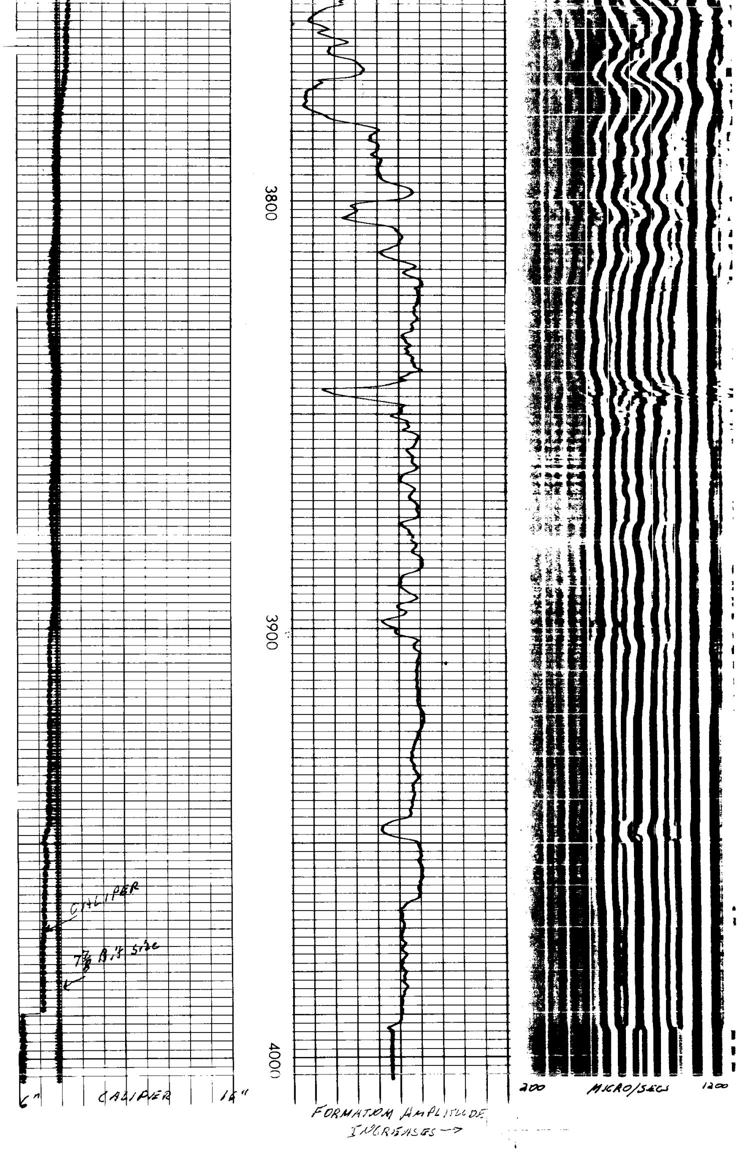
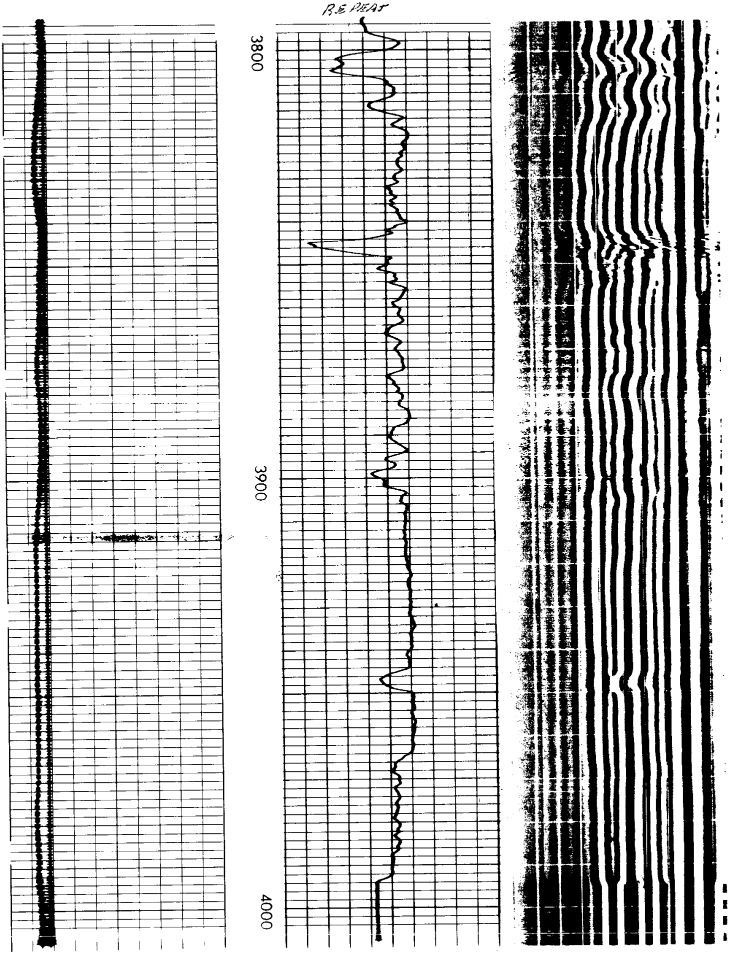
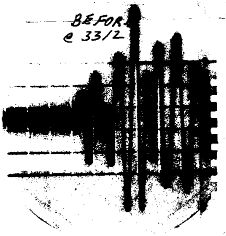
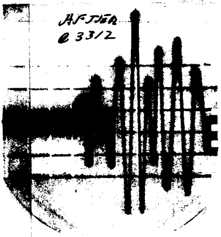
Type Log	Depth	Scale Up Hole	Scale Down Hole
None			

EQUIPMENT DATA

Run No.	Tool Type and No.	Pad Type	Tool Position	Other
One	Vel 19981		Cent	

D.A.P. Delay setting in sleeve ; open hole 3.24
No Free surface pipe

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.

~~POTENTIAL MILLIVOLTS~~		FORMATION AMPLITUDE INCREASES →	MICRO-SEISMOGRAM
– → ← +			
~~GAMMA~~ ~~API Gamma Ray Units~~		FRACTURE FINDER	200 MICRO/SECS 1200
CALIPER 6" Average Diameter In. 16"