Johnson 33-33-88

Welex

ACOUSTIC CEMENT BOND MICRO-SEISMOGRAM

COMPANY OREGON NATURAL GAS CORPORATION
WELL HOWARD JOHNSON 33-33
FIELD OLNEY GAS
County CLATSOP State OR

COMPANY OREGON NATURAL GAS CORPORATION
WELL HOWARD JOHNSON 33-33
FIELD OLNEY GAS
COUNTY CLATSOP STATE OREGON

RECEIVED-PTLD
JAN 25 1982
DEPT OF GEOLO

Location
2036' NORTH & 2000' WEST FROM THE SOUTHEAST CORNER OF:
Sec. 33 Twp 8N Rge 8W

Other Services:
PERF.

Permanent Datum G.L. Elev. 500
Log Measured From K.B. OR 21 Ft. Above Perm. Datum
Drilling Measured From K.B.

Elev.: K.B. 521
D.F.
G.L. 500

Run No.	ONE	
Date & Time Survey	12-7-81	
Date & Time Cementing	11-29-81 1st. 7:30 A.M. 2nd. 12:30 P.M.	
Type Cementing Operation	TWO STAGE	
Depth Driller	6958	
Depth Welex	6934	
Logged Interval	6928 to 1030	to
Casing Driller	5 1/2 @ 6955	@
Float Collar—D.V. Tool	6955 | 4468	
Squeeze Depth	N/A	
Amount & Type Cement	SEE REMARKS	
Amount & Type Admix	SEE REMARKS	
Type Fluid in Hole	WATER	
Fluid Level	FULL	
Salinity PPM Cl	N/A	
Weight lb/gal—Vis.	N/A | N/A	
Approx. Logged Cem. Top	N/A	
Calculated Cement Top	N/A	
Max. Hole Temperature	130 °F	°F
Tool No.	26250 28203 NEUT.	
Spacing Recorded	4'	
Equipment—Location	9430 | WOODLAND	
Recorded by	CLARK	
Witnessed by	STINSON, PORTWOOD	

Fold Here

BORE HOLE RECORD			CASING RECORD			
Bit Size	From	To	Csg. Size	Wt.	From	To
8 5/8	SURF.	6955	5 1/2	17	6955	6393
			5 1/2	15.5	6393	SURF.

Centralized Interval 6870, 6795, 6715. 6640, 6565. 4500, 4535. 4410.
Scratched Interval 4300, 4260. 4150. 3400, 3320, 3180,
Open Perforations 3100

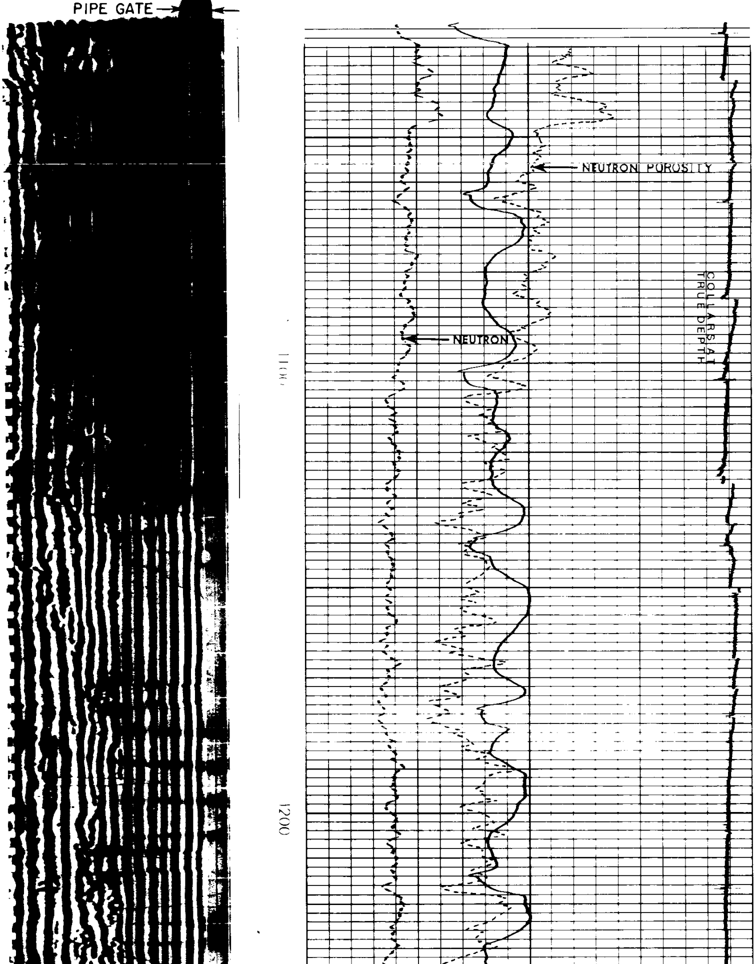
Service Ticket No. N/A Remarks CEMENT DATA: 1st. STAGE 7000' TO 6000' 265 SACKS CLASS G 2% CaCl, 8% GEL FOLLOWED WITH 200 SACKS G 2% CaCl. 2nd. STAGE 4500-2500' 705 SACKS CLASS G 2% CaCl, 8% GEL FOLLOWED WITH 200 SACKS CLASS G.

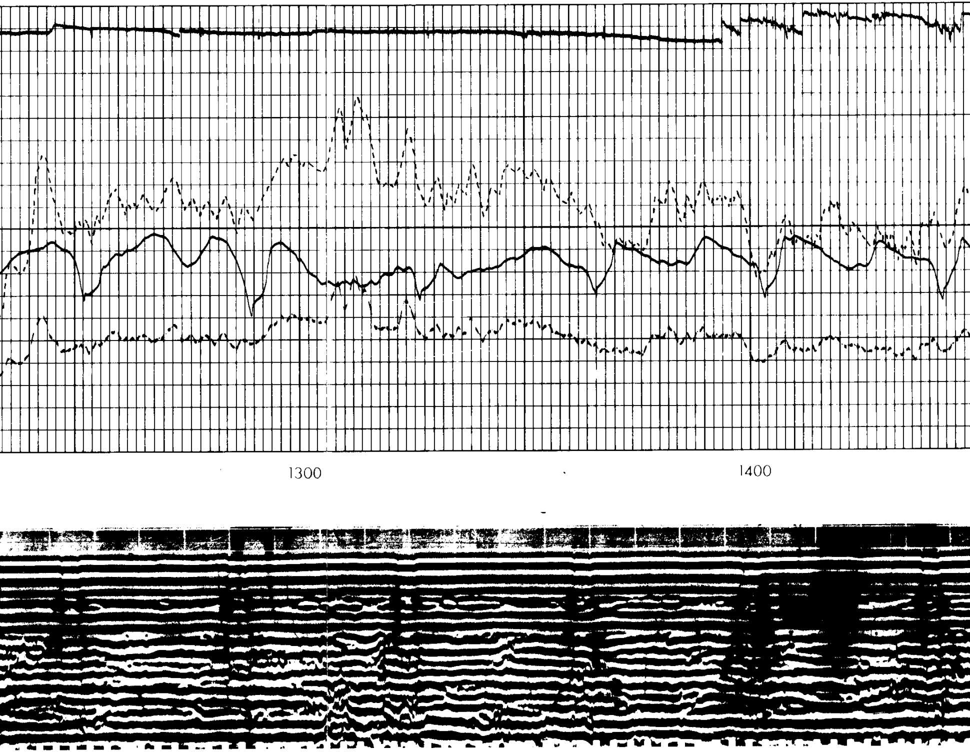
Welex does not guarantee the accuracy of any interpretation of log data, conversion of log data to physical rock parameters, or recommendations which may be given by Welex personnel or which may appear on the log or in any other form. Any user of such data, interpretations, conversions, or recommendations 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.

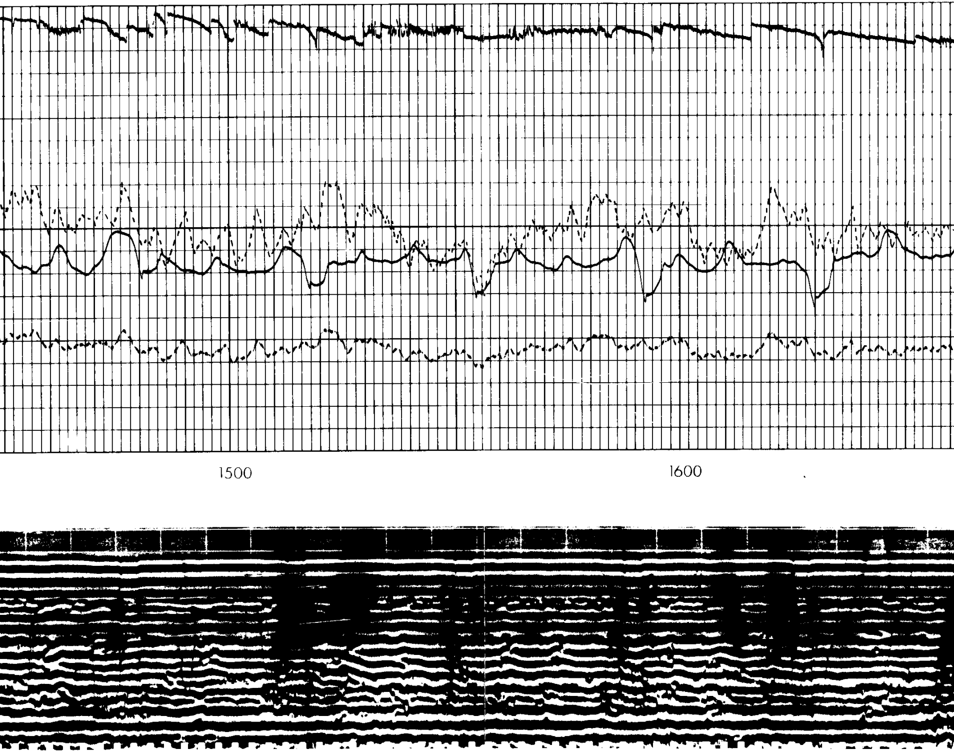
1200 MICROSECONDS 200
MICRO-SEISMOGRAM LOG

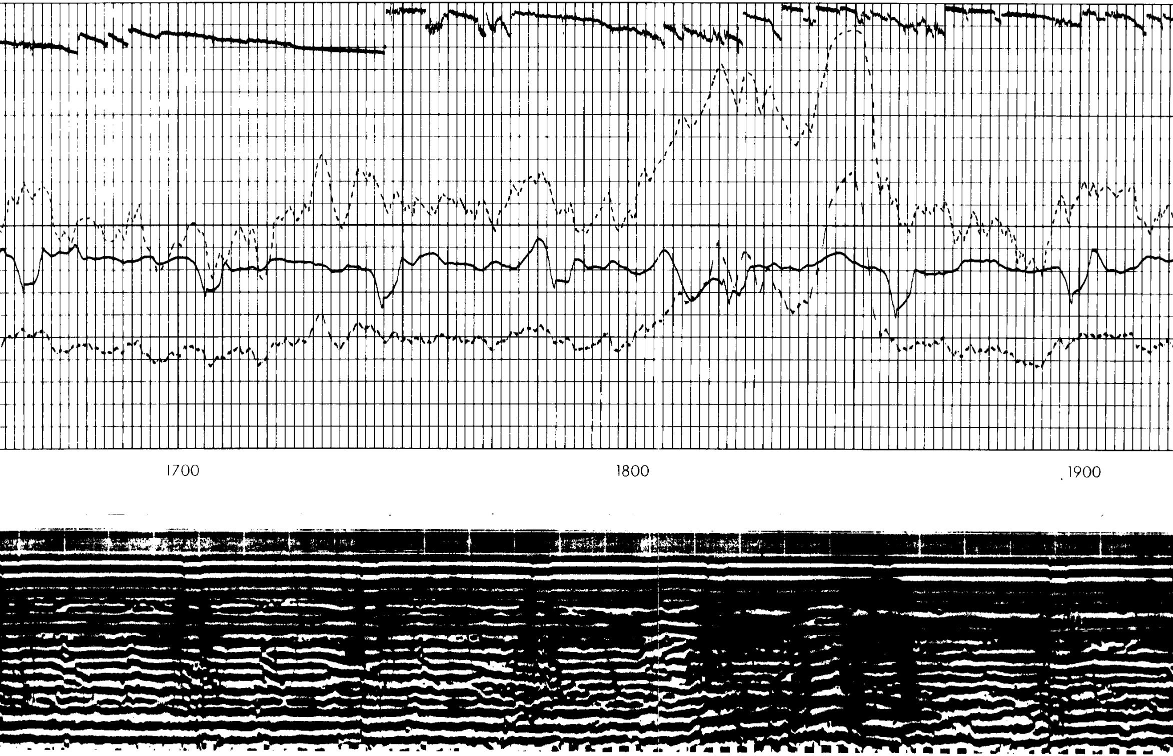
DEPTH

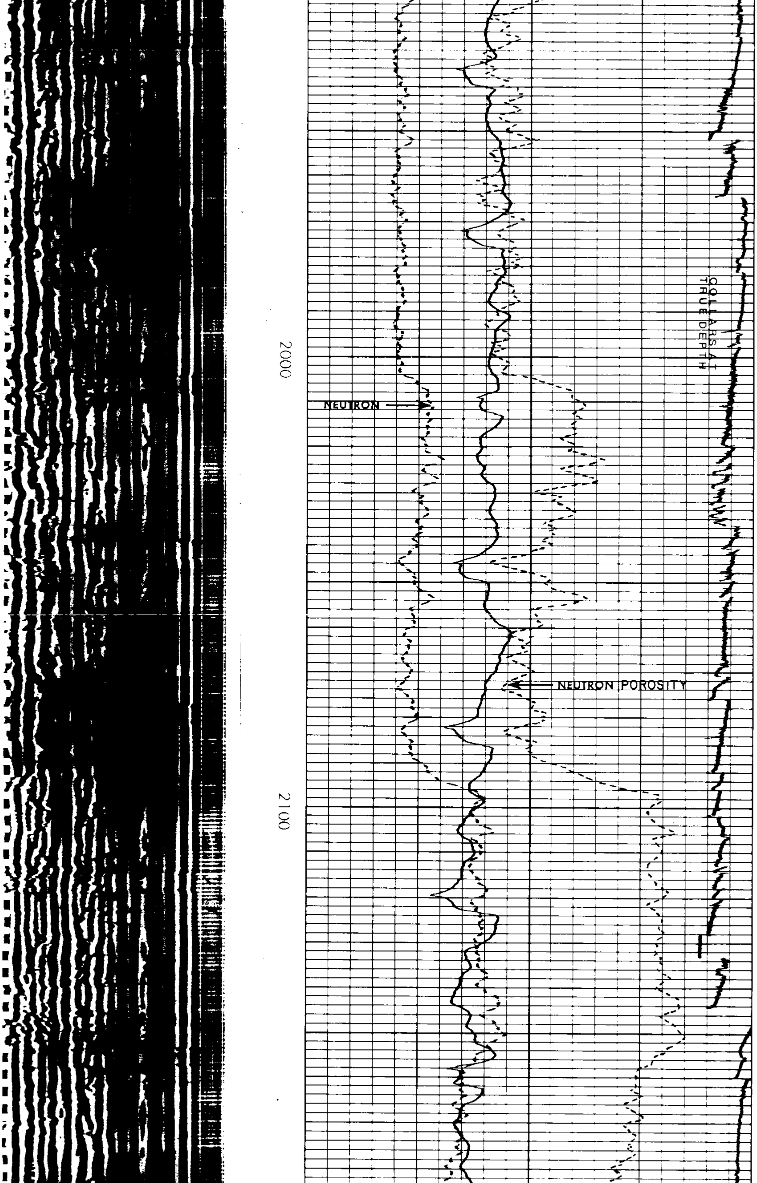
AMPLITUDE →
← CEMENT BOND INCREASES
0 NEUTRON 2000
6 NEUTRON POROSITY 0

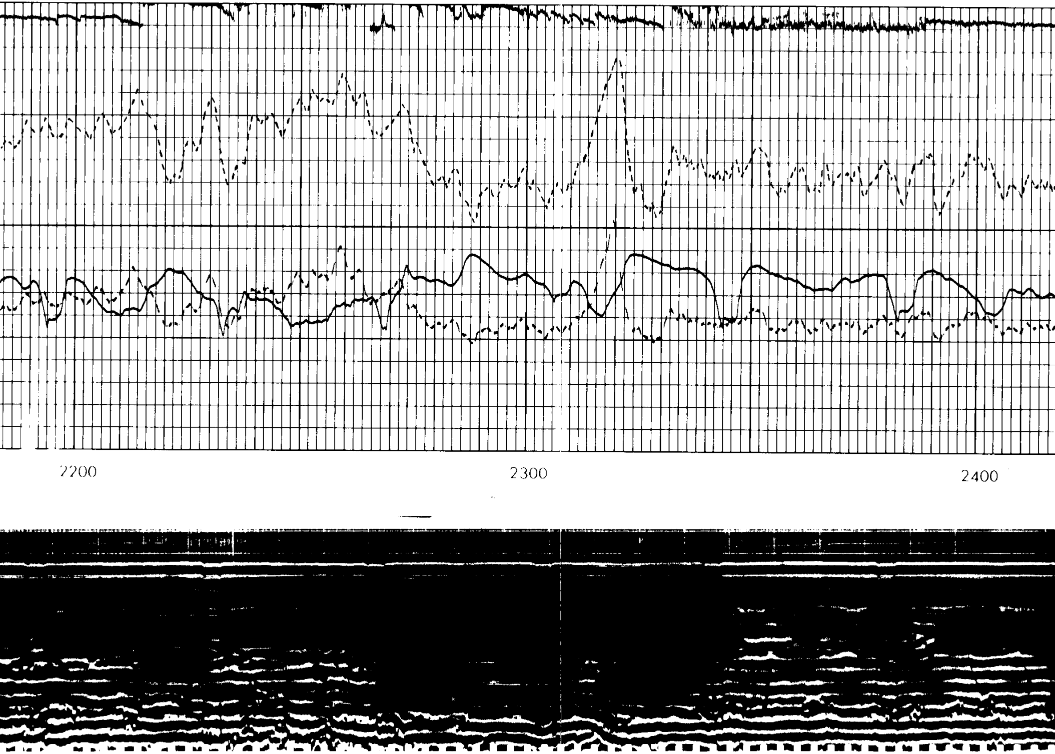


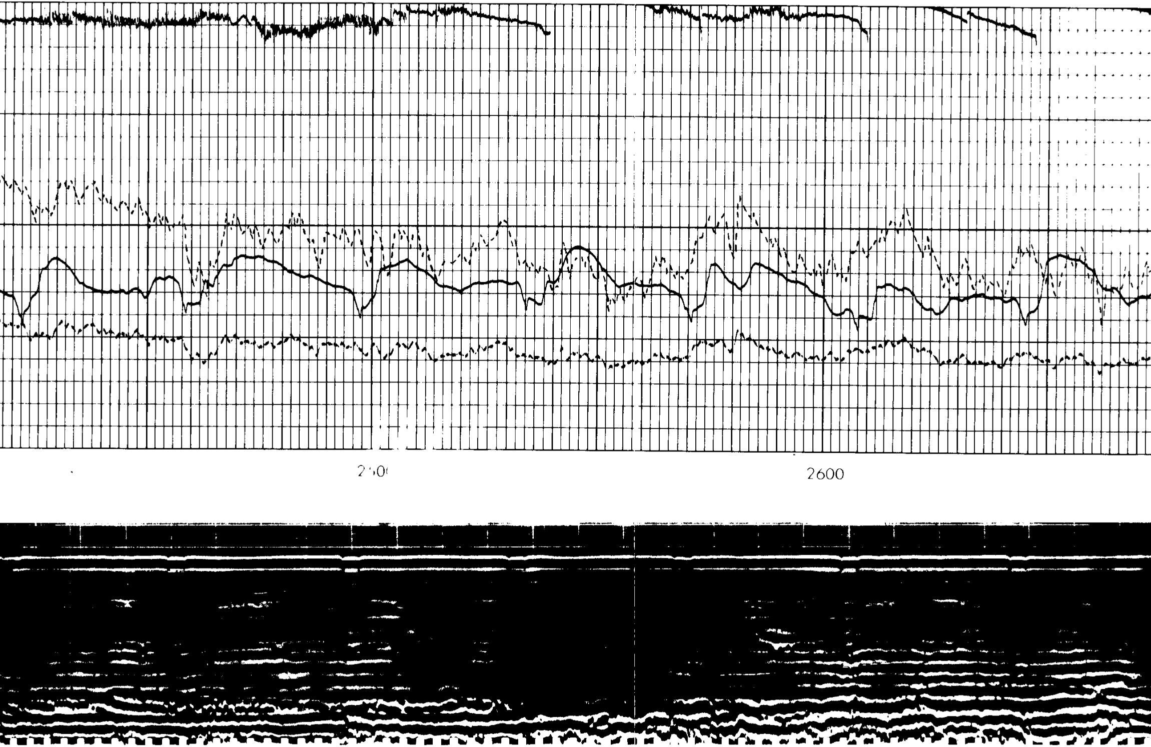


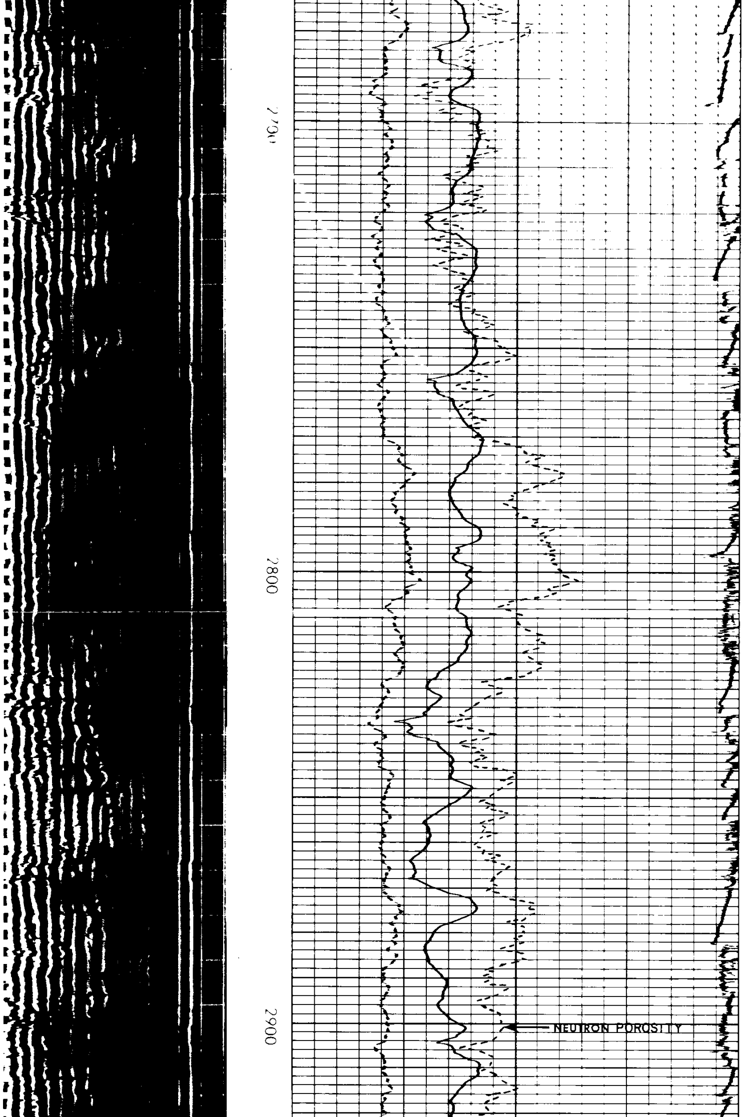


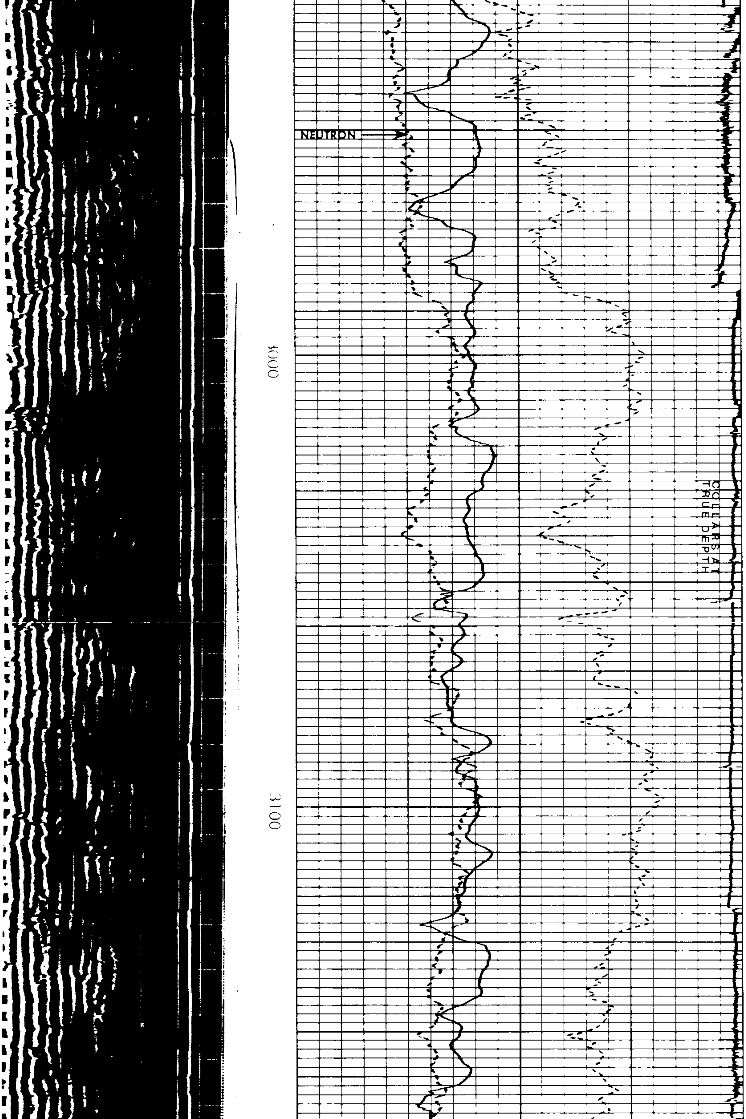


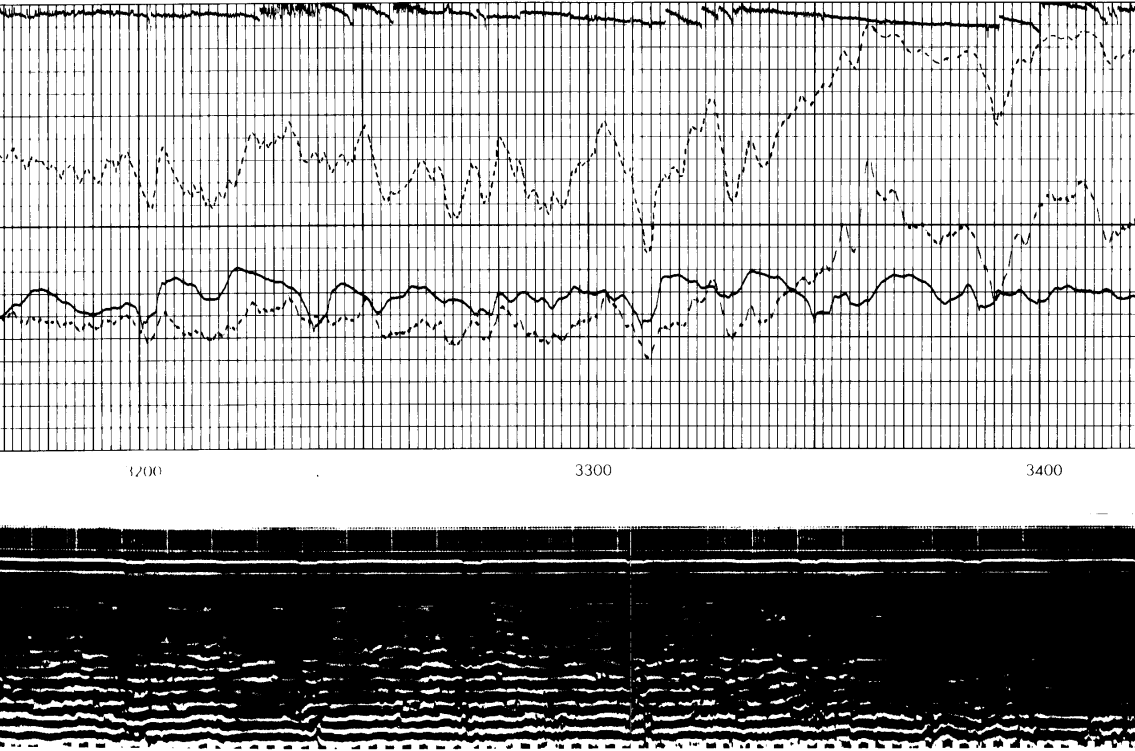


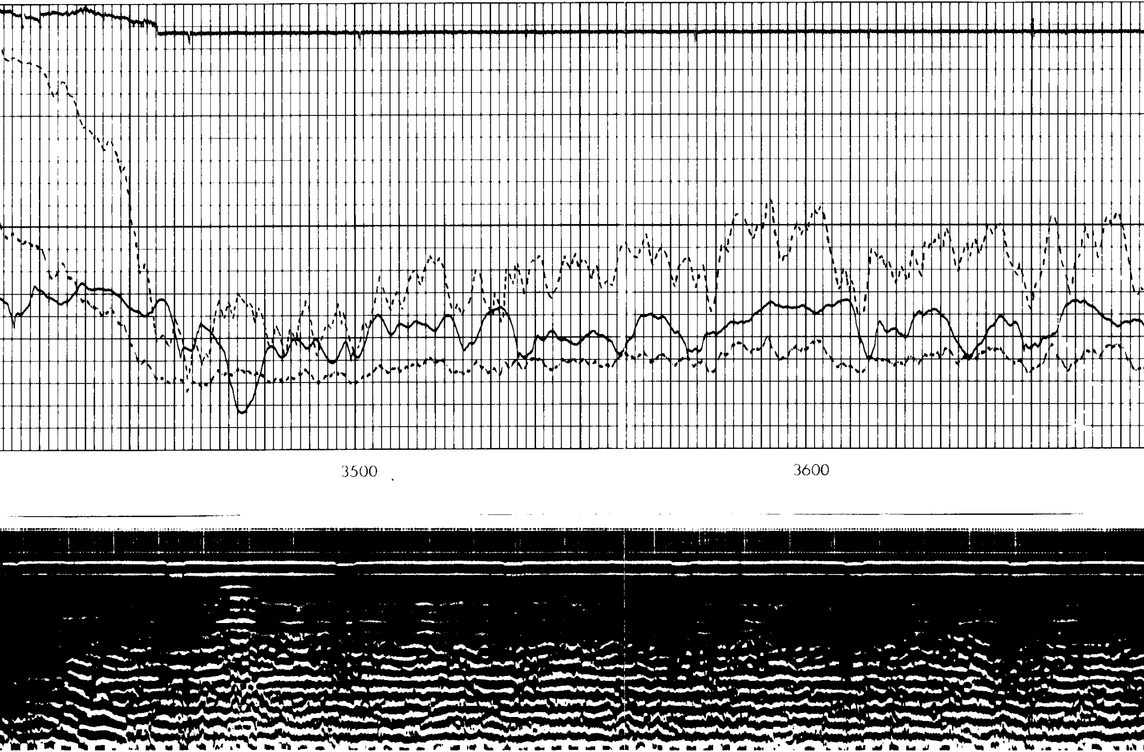


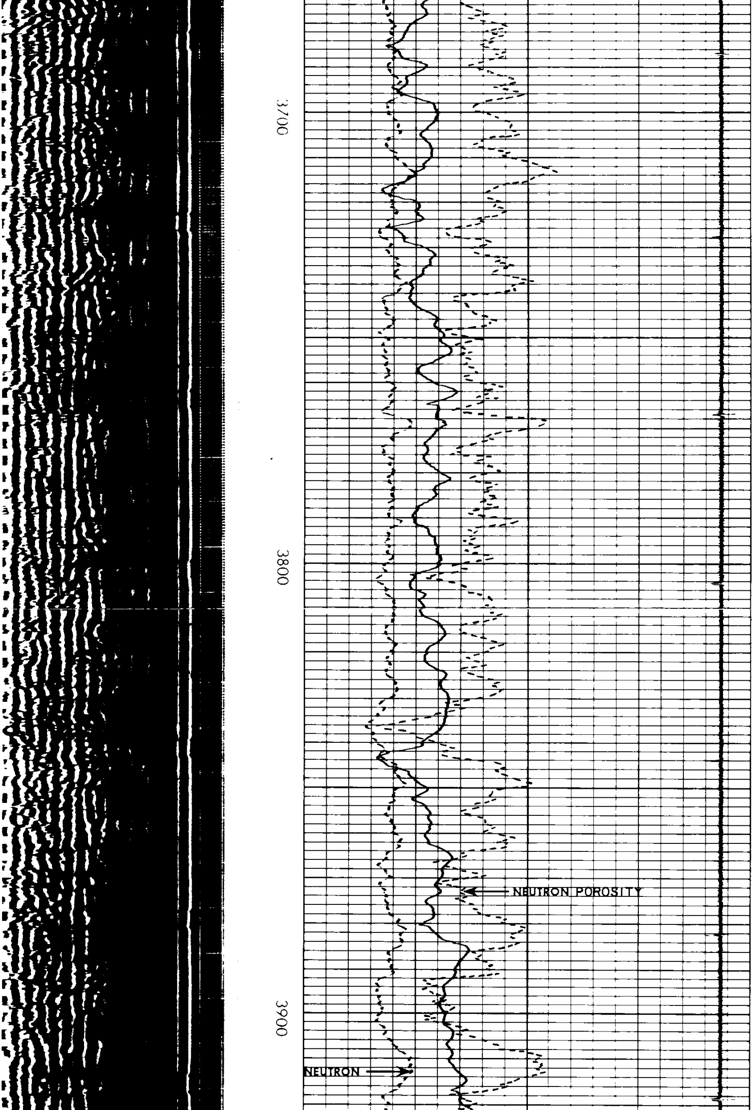


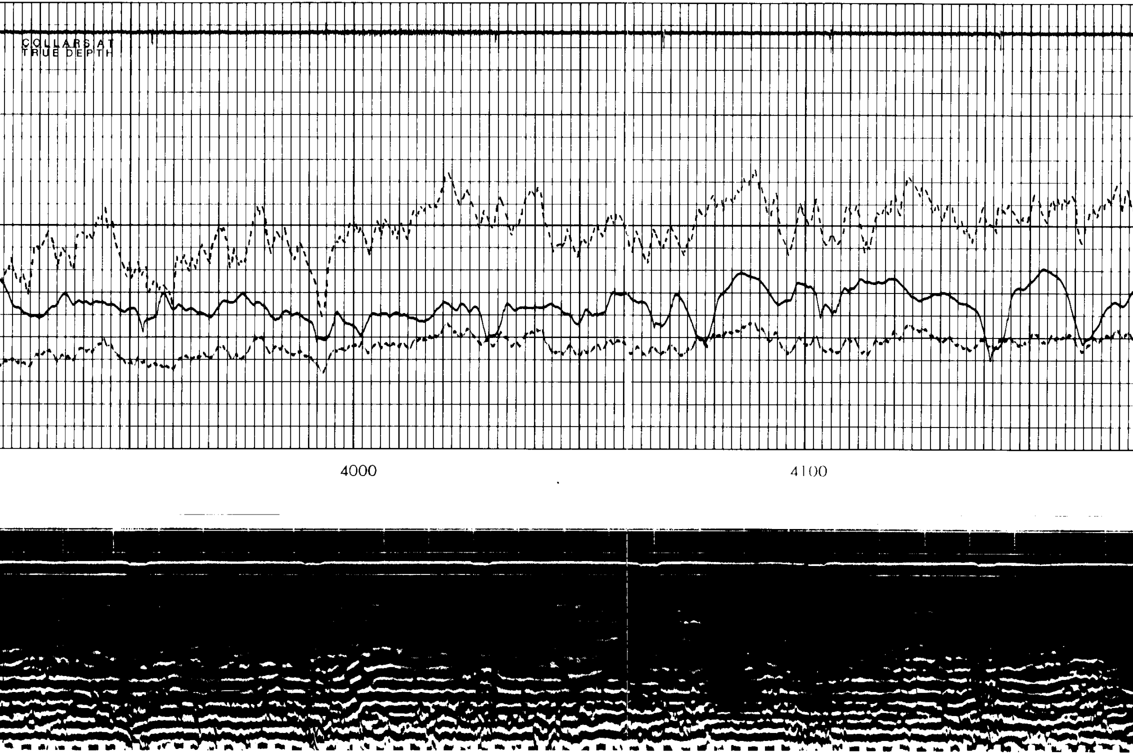


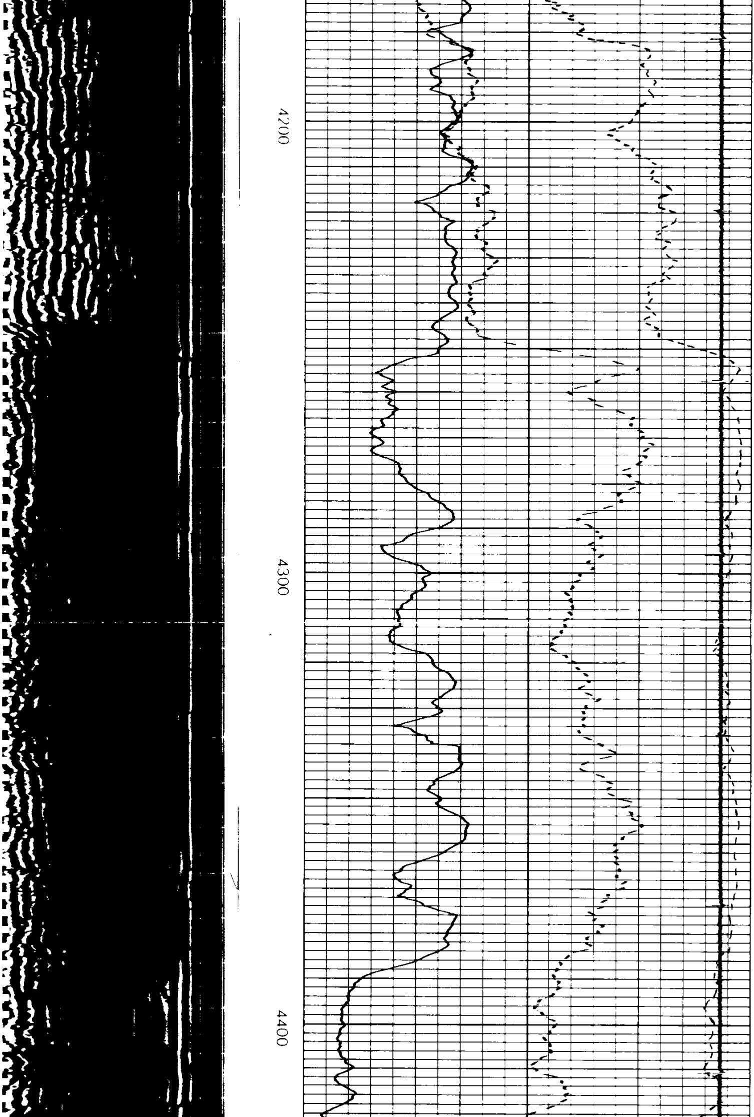


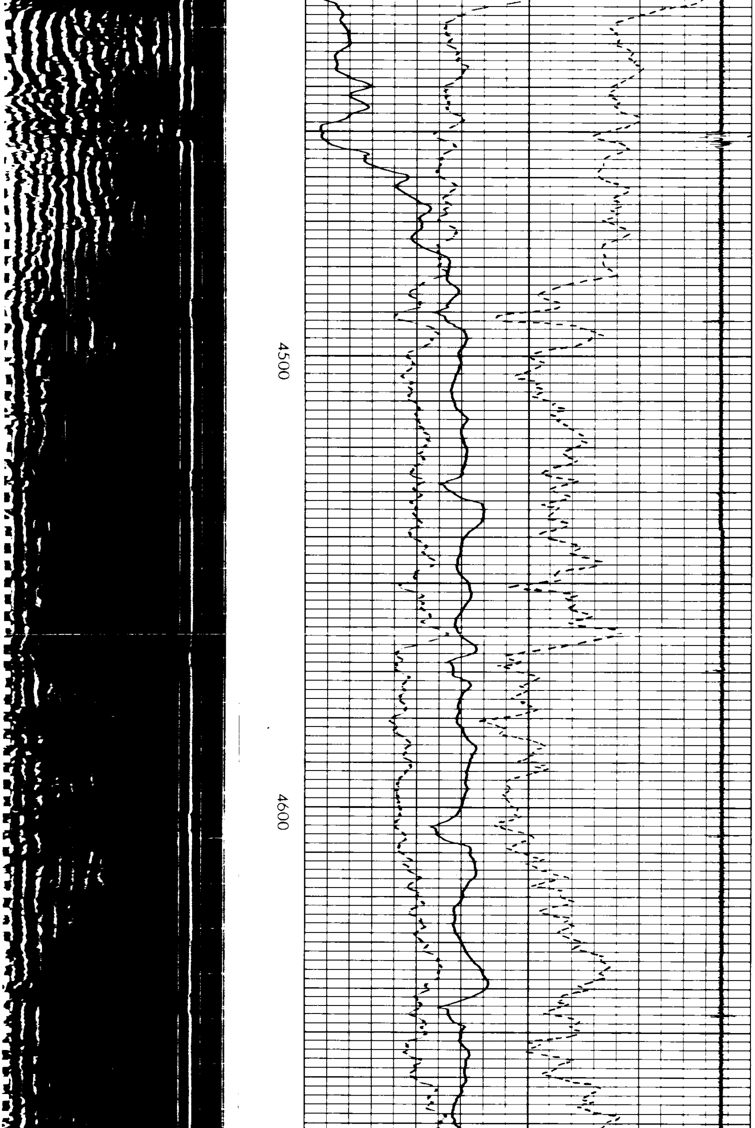


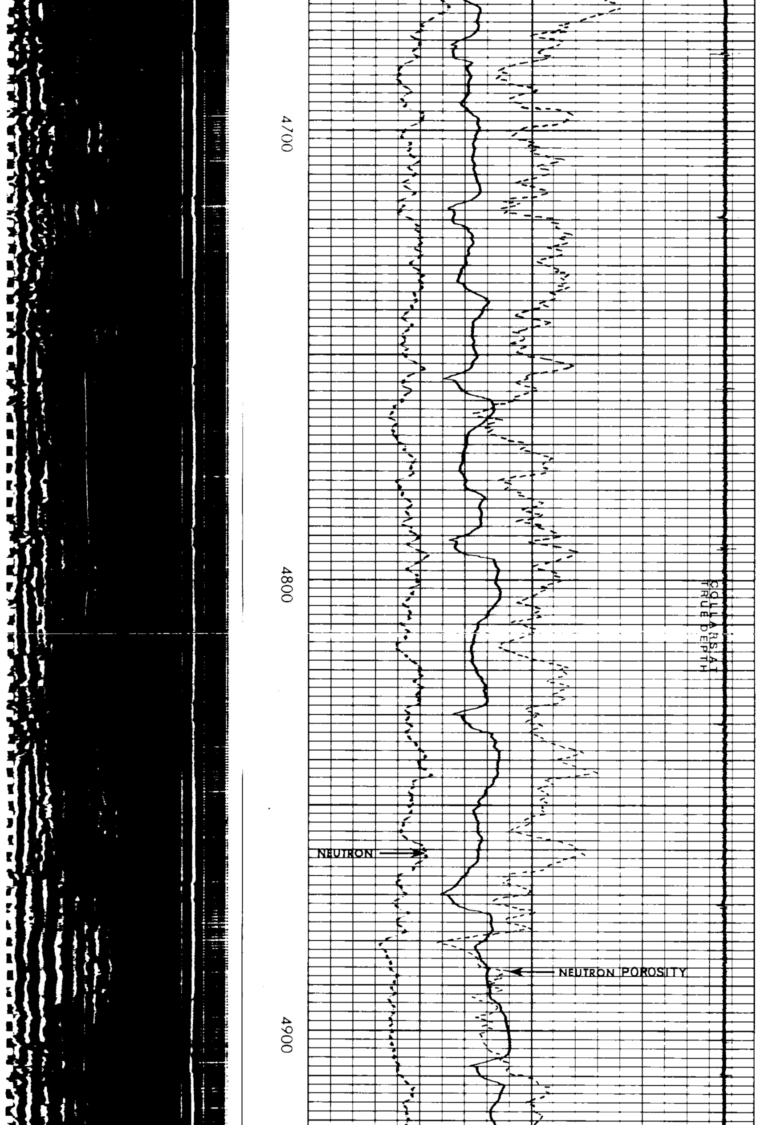


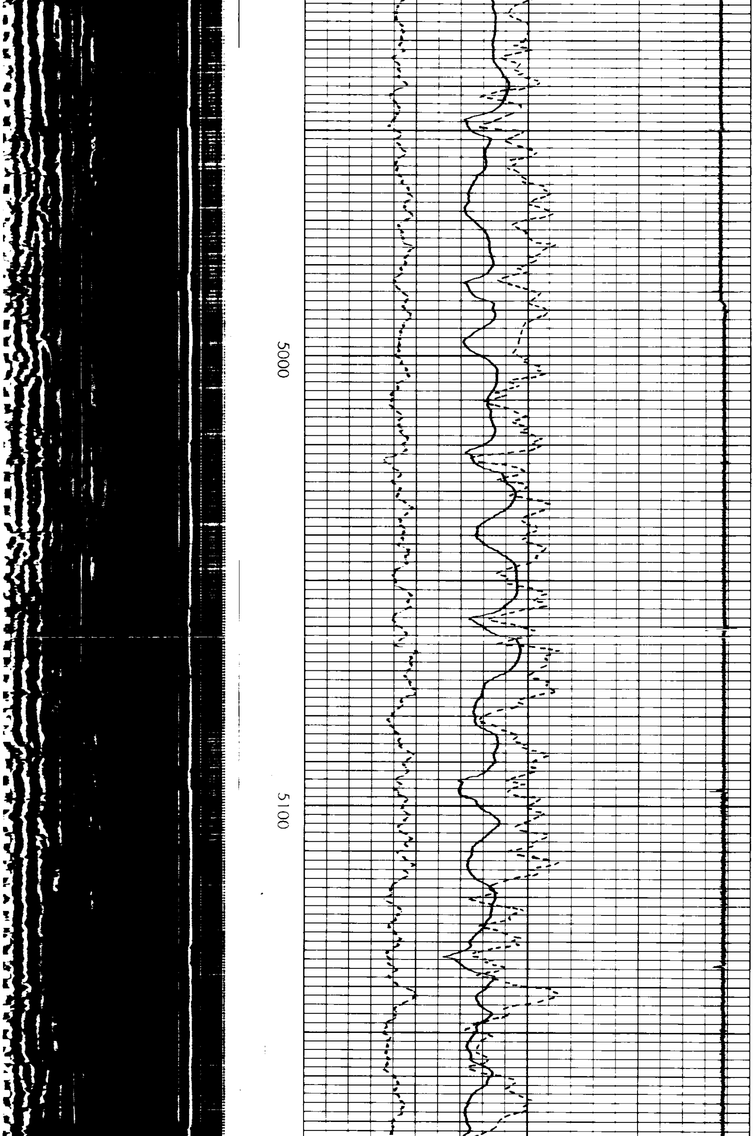


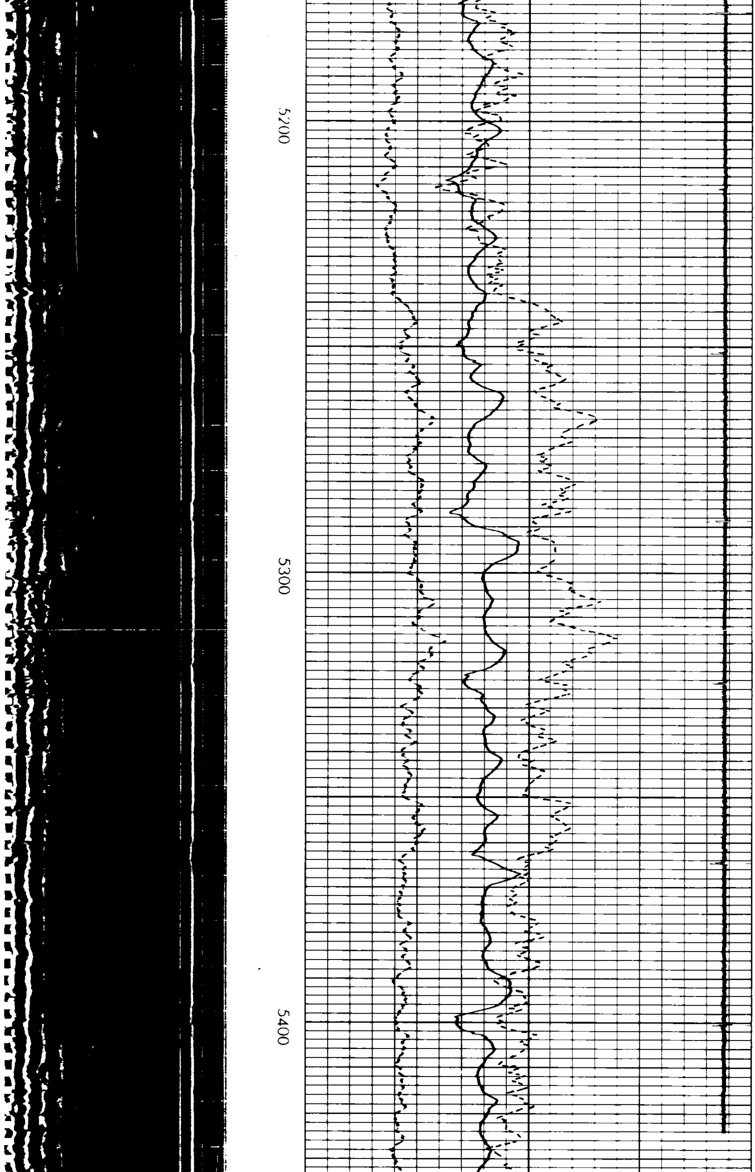


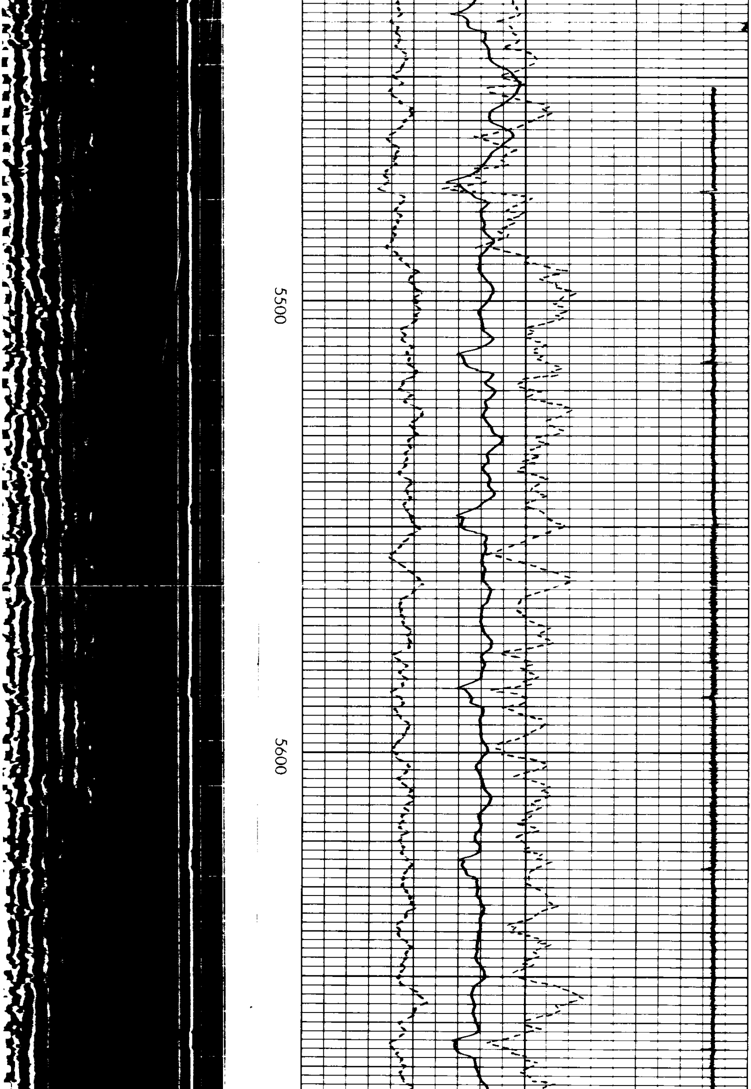


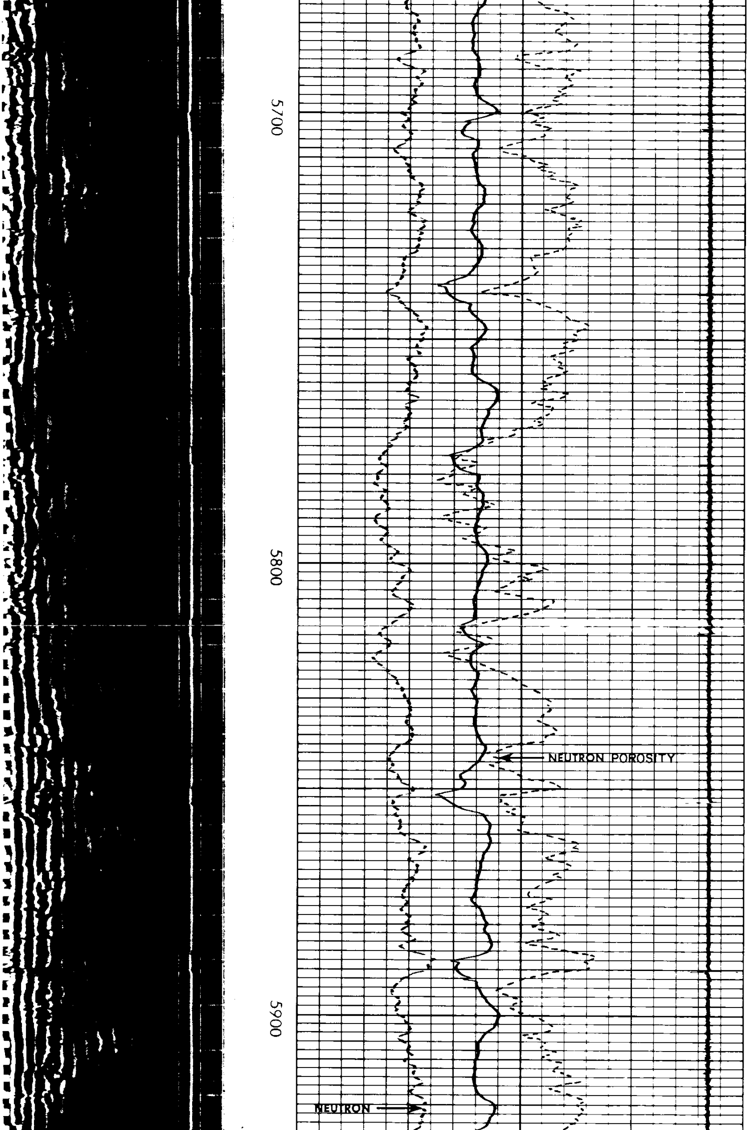


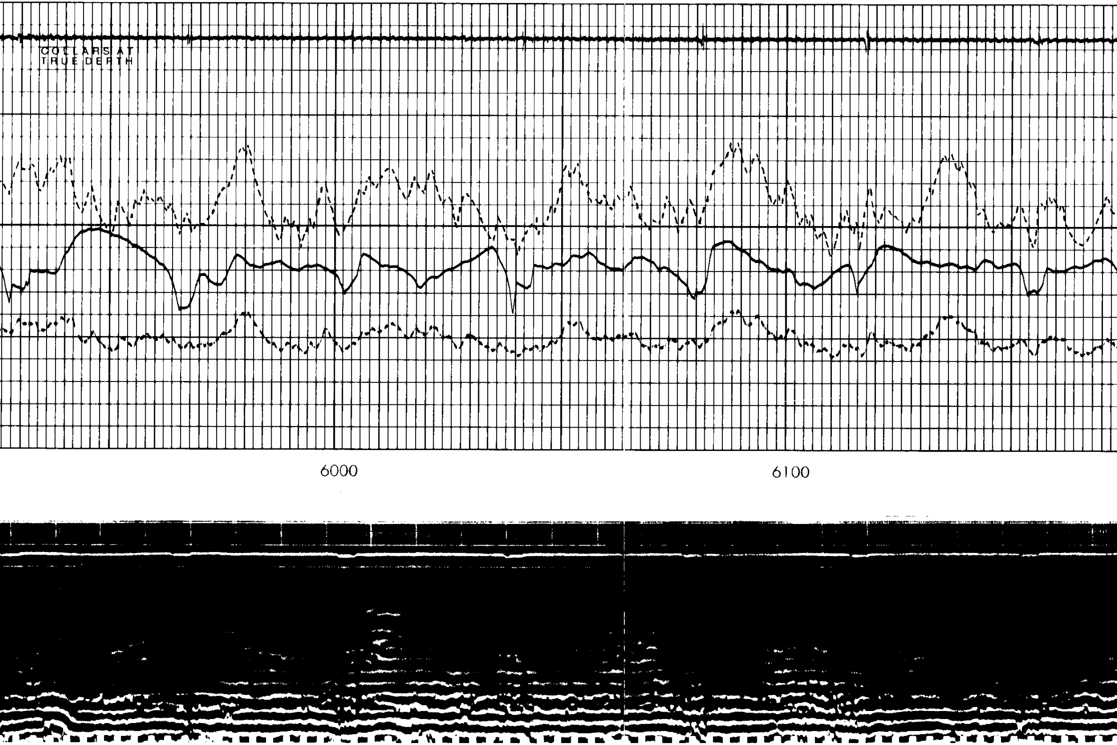


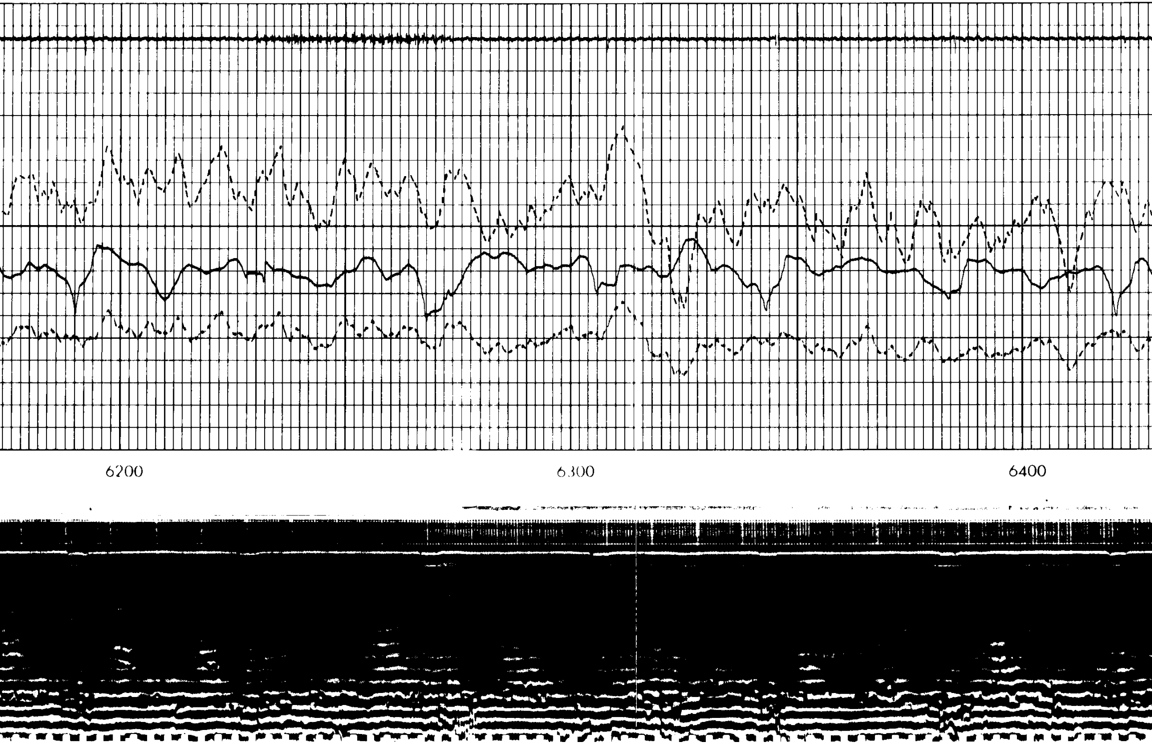


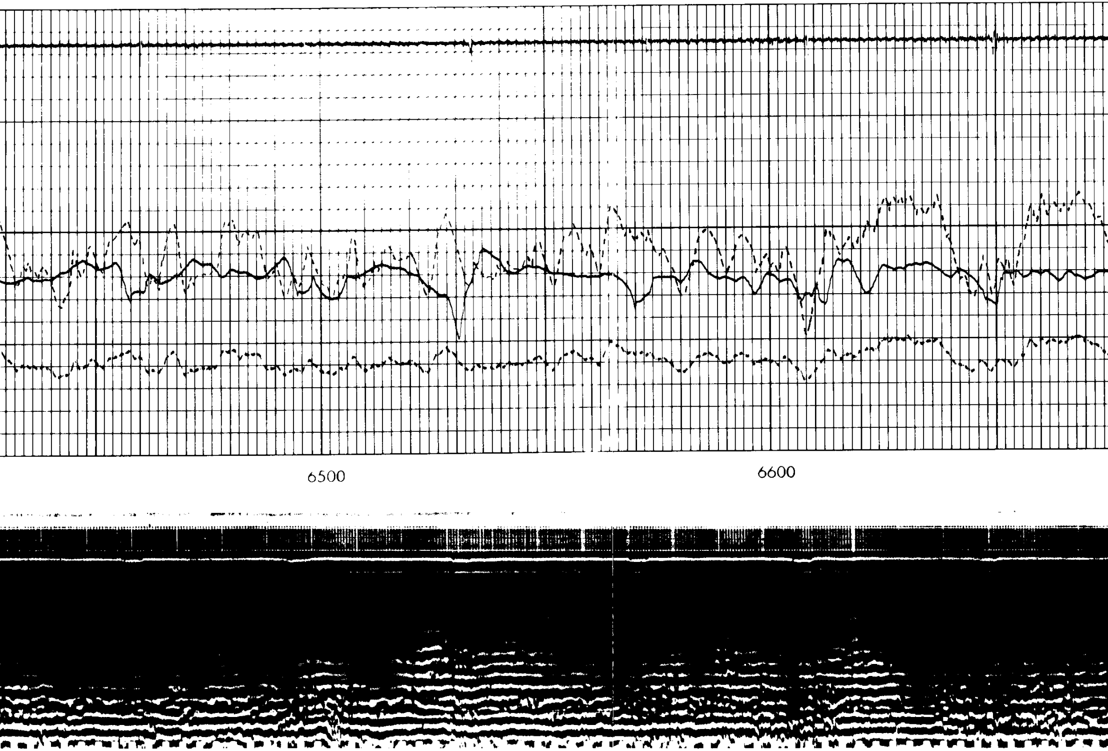


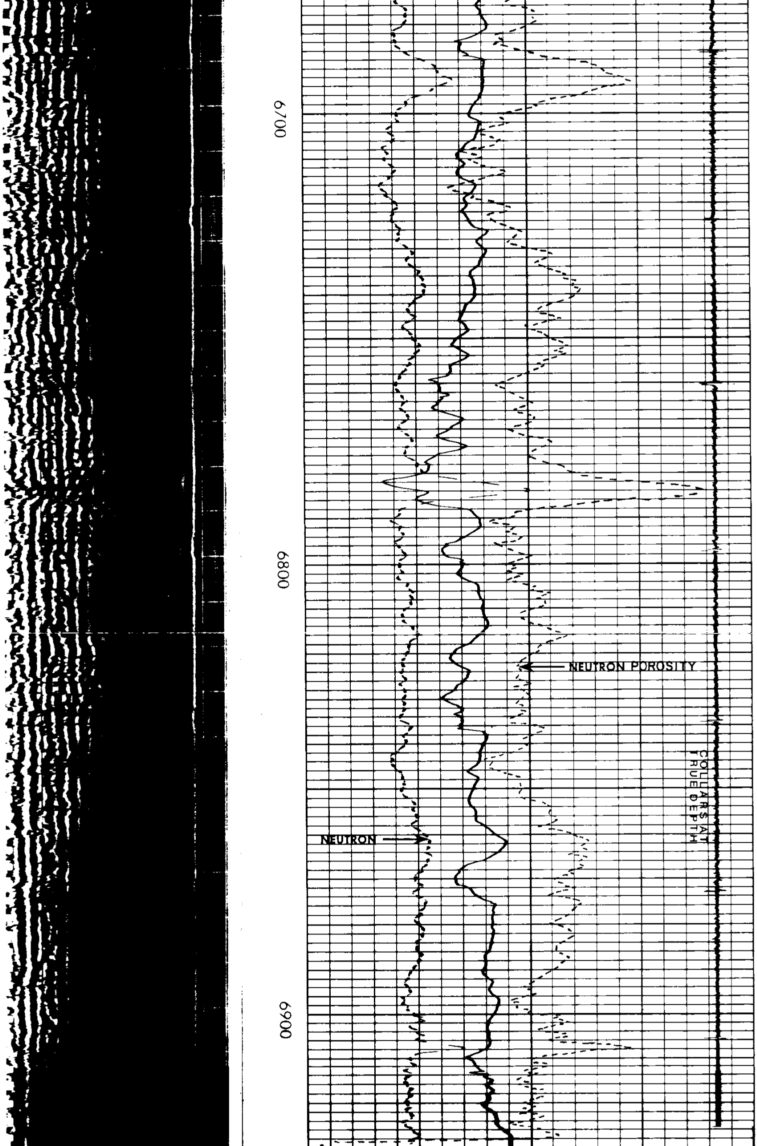


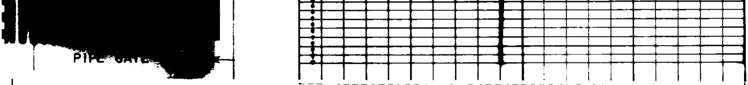












1200 MICROSECONDS 200

MICRO-SEISMOGRAM® LOG

[illegible]

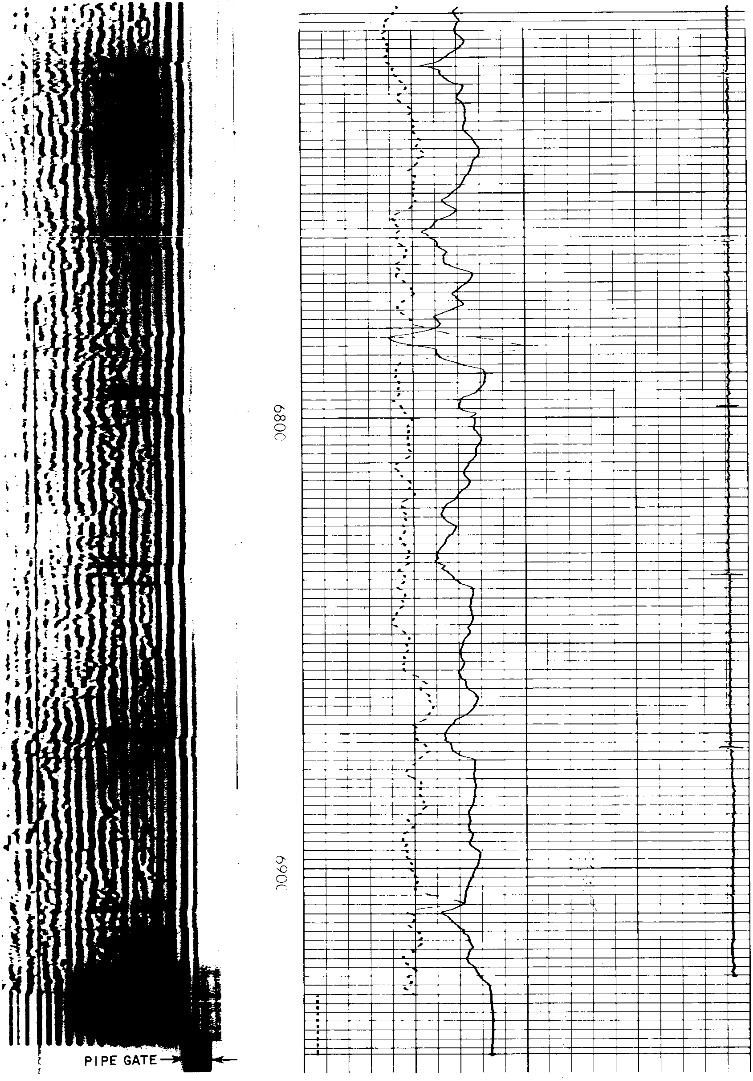
0 NEUTRON 2000

CEMENT BOND INCREASES ←

→ **AMPLITUDE**

OREGON NATURAL GAS CORPORATION
HOWARD JOHNSON 33-33
OLNEY GAS
CLATSOP COUNTY, OREGON

T.D. LOGGED 6928
T.D. DRILLER 6958
T.D. WELEX 6934
ELEV: KB 521 GL 500

REPEAT SECTION