



McCullough®

BOND CEMENT™ AND - OR SONIC SEISMOGRAM LOG

GAMMA RAY

FILING NO.

HBC-GR-SS-
61684

COMPANY CHEVRON OIL COMPANY

WELL U.P. 72 X 31

FIELD RANGELY

COUNTY RIO BLANCO STATE COLORADO

LOCATION:

1329' FNL & 1309' FEL

OTHER SERVICES:

SEC.

31 TWP. 2N RGE. 102W

PERMANENT DATUM

G.L. ELEV. 5283'

LOG MEASURED FROM

K.B.

DRILLING MEASURED FROM

K.B.

DATE

8-23-71

RUN NO.

ONE

TYPE LOG

GR-BOND CEMENT-SONIC SEISMOGRAM

DEPTH-DRILLER

6287'

DEPTH-LOGGER

6285.5'

BOTTOM LOGGED INTERVAL

6280'

TOP LOGGED INTERVAL

2900'

TYPE FLUID IN HOLE

WATER

SALINITY PPM CL.

DENSITY LB./GAL.

LEVEL

400'

MAX. REC. TEMP. DEG. F

OPR. RIG TIME

3 HRS.

RECORDED BY

ROBINSON

WITNESSED BY

MR. GARY HAMMON

BORE HOLE RECORD

CASING RECORD

NO.	BIT	FROM	TO	SIZE	WGT.	FROM	TO
	15"	0	760	10-3/4"		0	760
	8-3/4"	760	6218	7"	23#	0	6218
	6-1/8"	6218	6230			6218	6287
	6-1/16"	6230	6287			OPEN HOLE	

THIS HEADING AND LOG CONFORMS TO API RECOMMENDED STANDARD PRACTICE RP-33

FIELD MARK

LOGGING AND EQUIPMENT DATA (BOND CEMENT LOG)

DATE RECORDED	8-23-71	TOOL MODEL NO.	GBCS-3.5-G
TIME STARTED	2:00 PM	DIAMETER	3.5"
TIME FINISHED	5:00 PM	LENGTH	17' (4' SPACING)
LOGGED INTERVAL	6280'-2900'		
LOGGED CEMENT TOP			

CEMENTING DATA

	1	2	SQUEEZE NO. 1	SQUEEZE NO. 2	SQUEEZE NO. 3
DATE AND HOUR SET	8-12-71				
SETTING TIME (HRS)					
TYPE CEMENT	HAL. LIGHT	REGULAR			
SACKS USED	400	300			
PRECEDING FLUID	WATER				
% ADDITIVE	16% GEL	.75% CFR-2			
% RETARDER					
SLURRY WT.	11.8	15.8			
BREAKDOWN PRESS.					
SURFACE MAX. PRESS.					
BOTTOM MAX. PRESS.					

GAMMA RAY

RUN NO.	ONE
TOOL MODEL NO.	GBCS-3.5-G
DIAM.	3.5"
DETECT. MODEL NO.	132
TYPE	SCINT.
LENGTH	3"
DIST. TO N. SOURCE	

NEUTRON

RUN NO.	
LOG TYPE	
TOOL MODEL NO.	
DIAM.	
DETECT MODEL NO.	
TYPE	
LENGTH	
SOURCE MODEL NO.	

GENERAL

HOIST TRUCK NO.	1694 M
INST. TRUCK NO.	1694 M
TOOL SERIAL NO.	
LOG TICKET NO.	

SERIAL NO.

SERIAL NO.	
SPACING	
TYPE	
STRENGTH	

LOGGING DATA

GENERAL				GAMMA RAY				NEUTRON			
RUN NO.	DEPTHS		SPEED FT./MIN.	T.C. SEC.	SENS. SETTINGS	ZERO DIV. L. OR R.	API G.R. UNITS PER LOG DIV.	T.C. SEC.	SENS. SETTINGS	ZERO DIV. L. OR R.	API N. UNIT PER LOG DIV.
	FROM	TO									
1	6280	2900	35	1.8	G-300 D-400 R-6A	3.5-L	14				

REMARKS:

GAMMA API UNITS

40 80 120 160

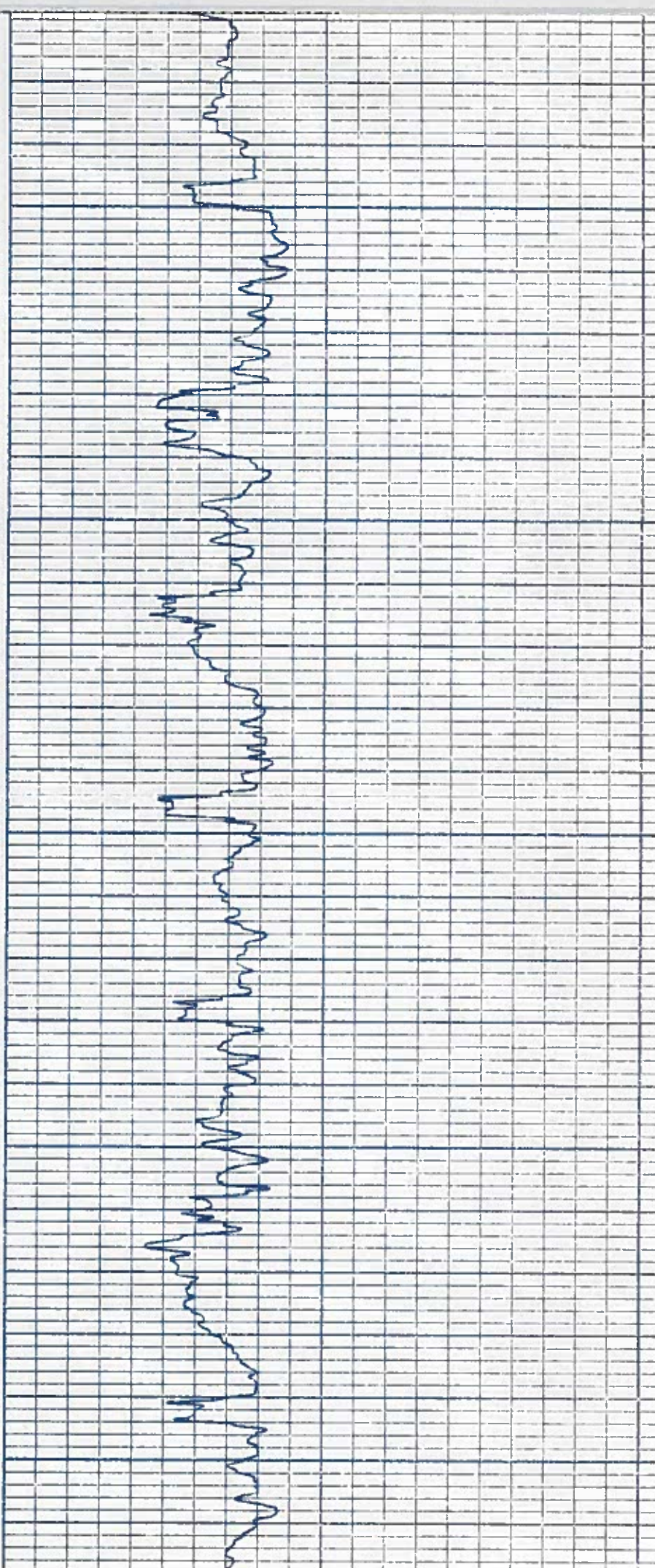
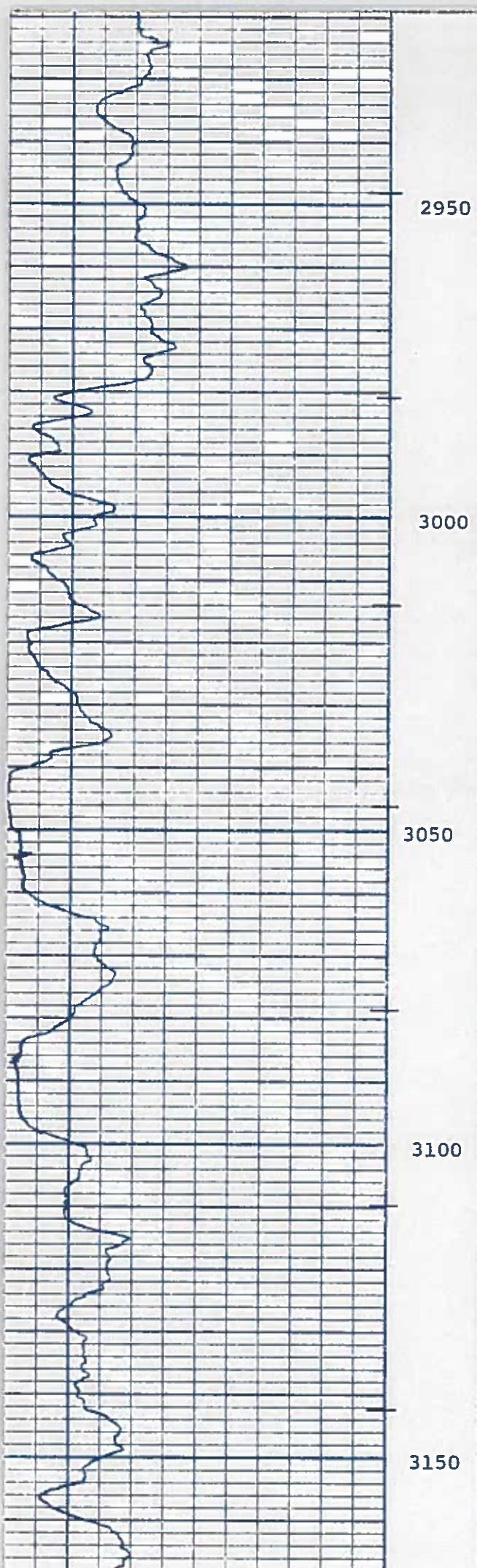
GAMMA ZERO 1"

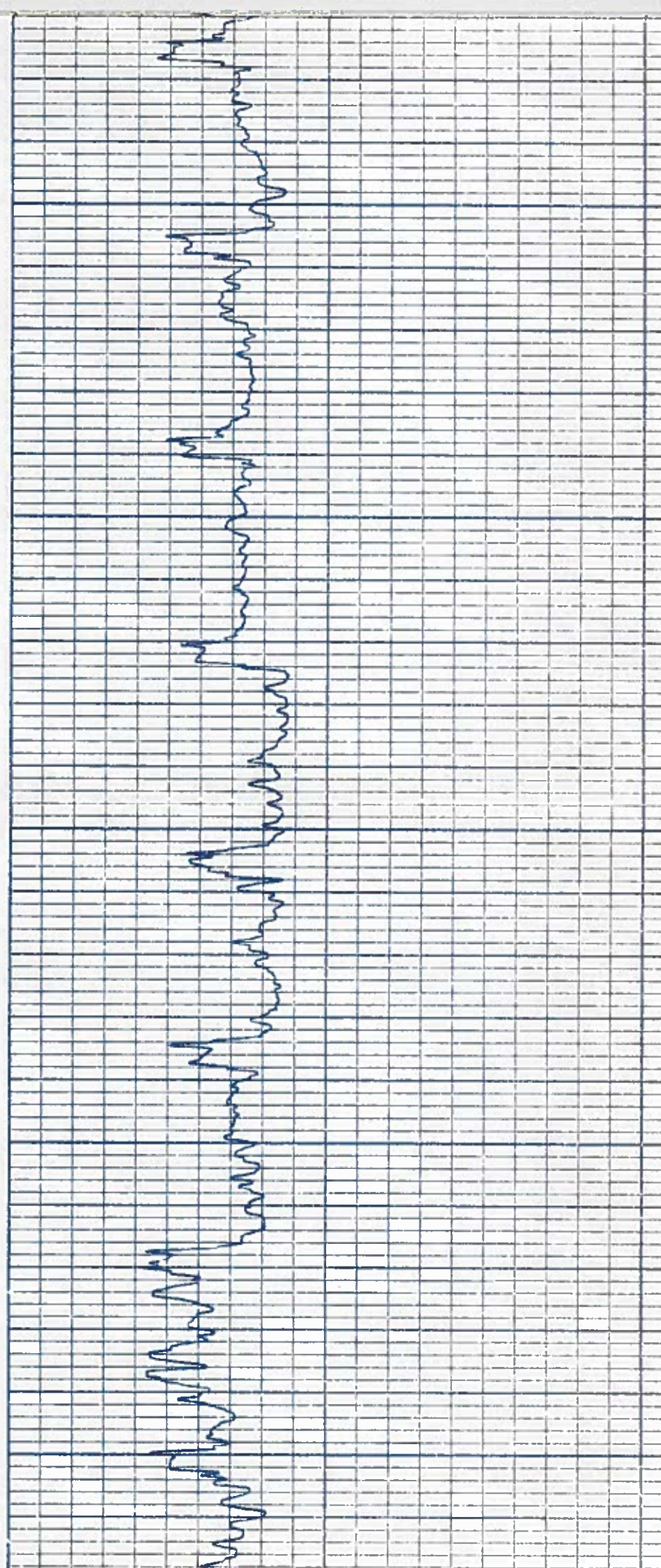
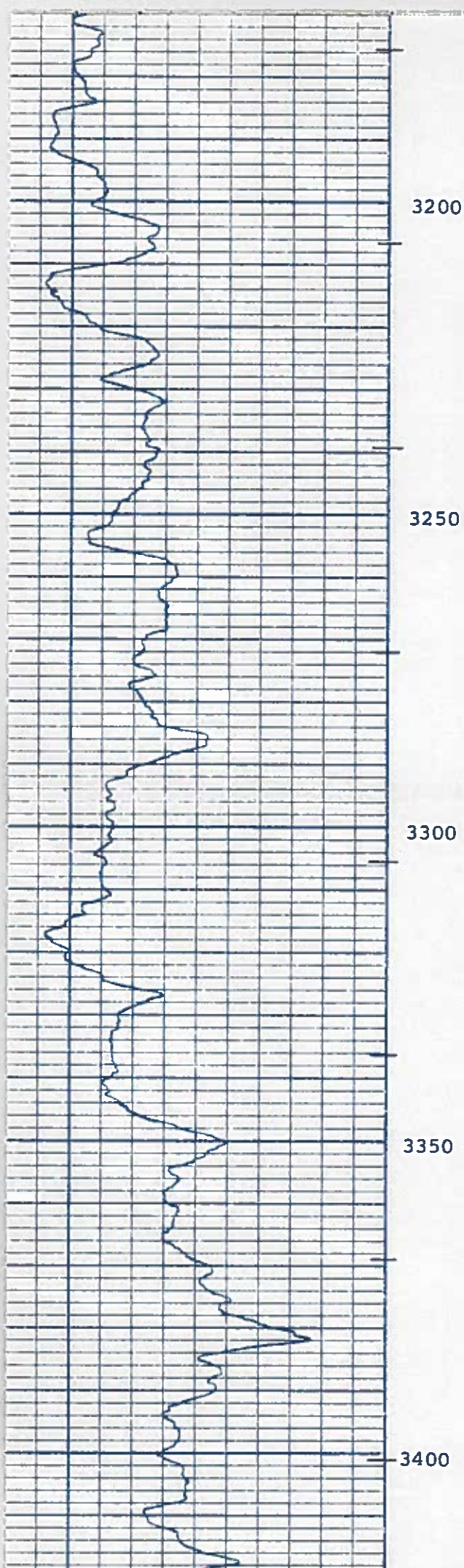
7"

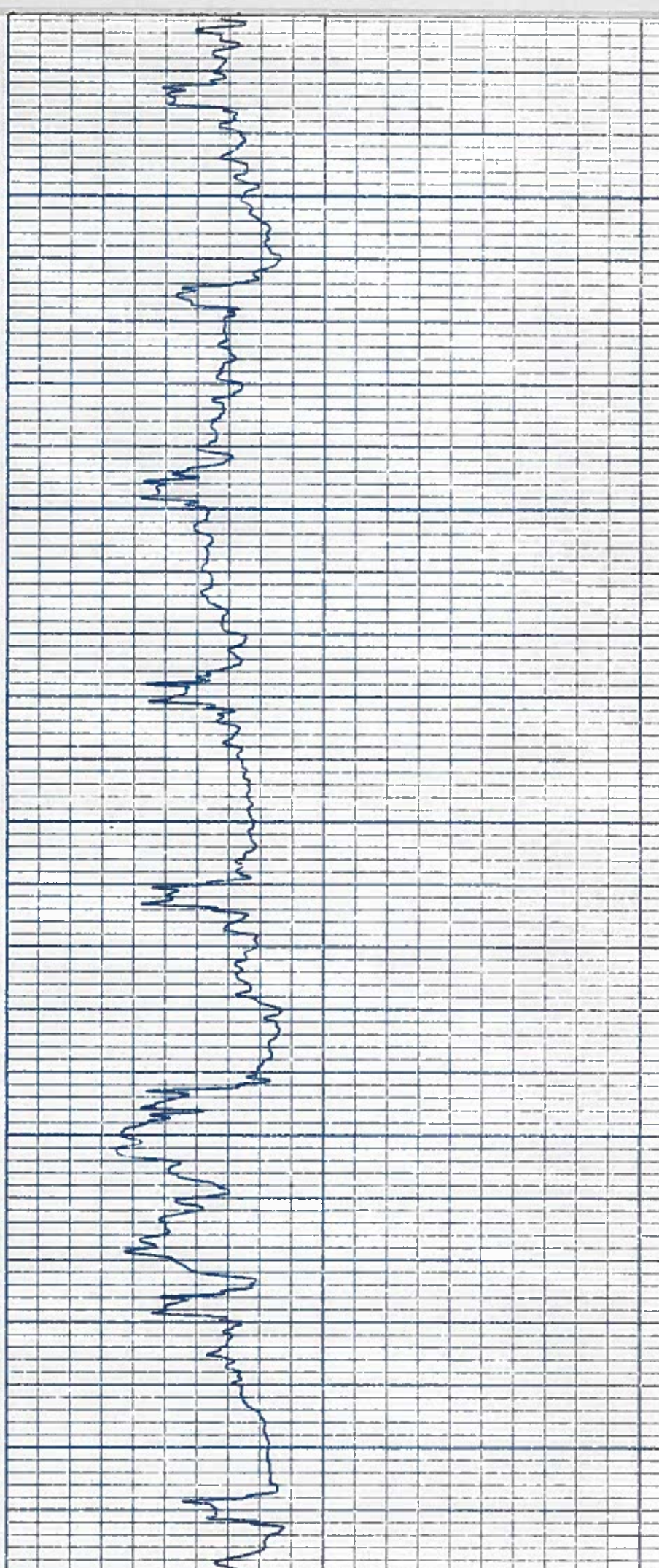
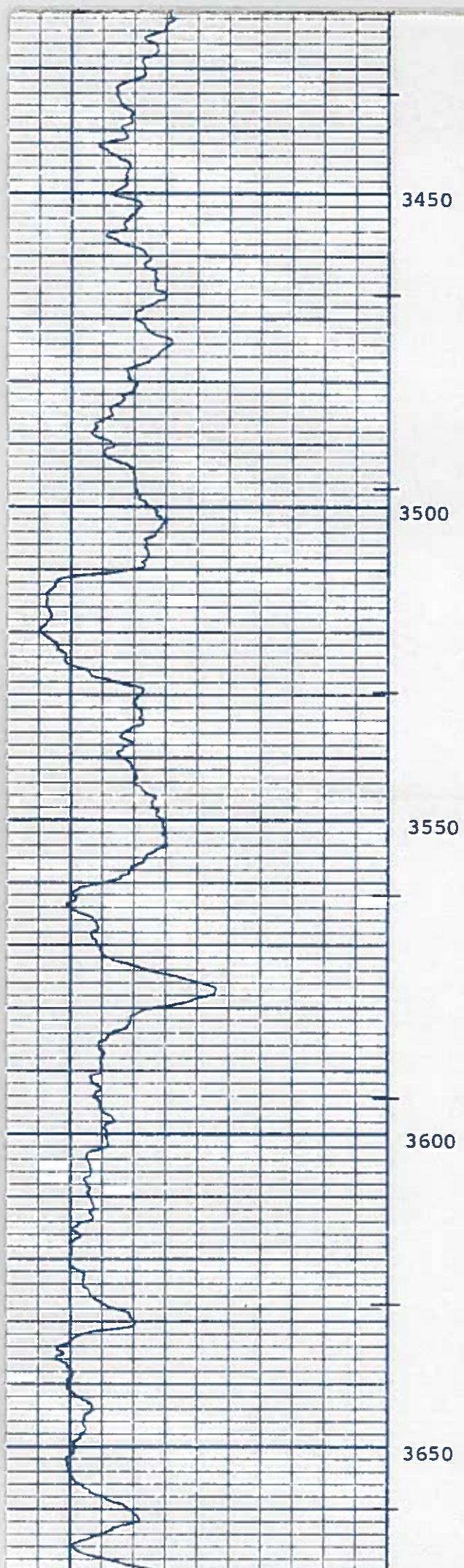
BOND CEMENT CURVE

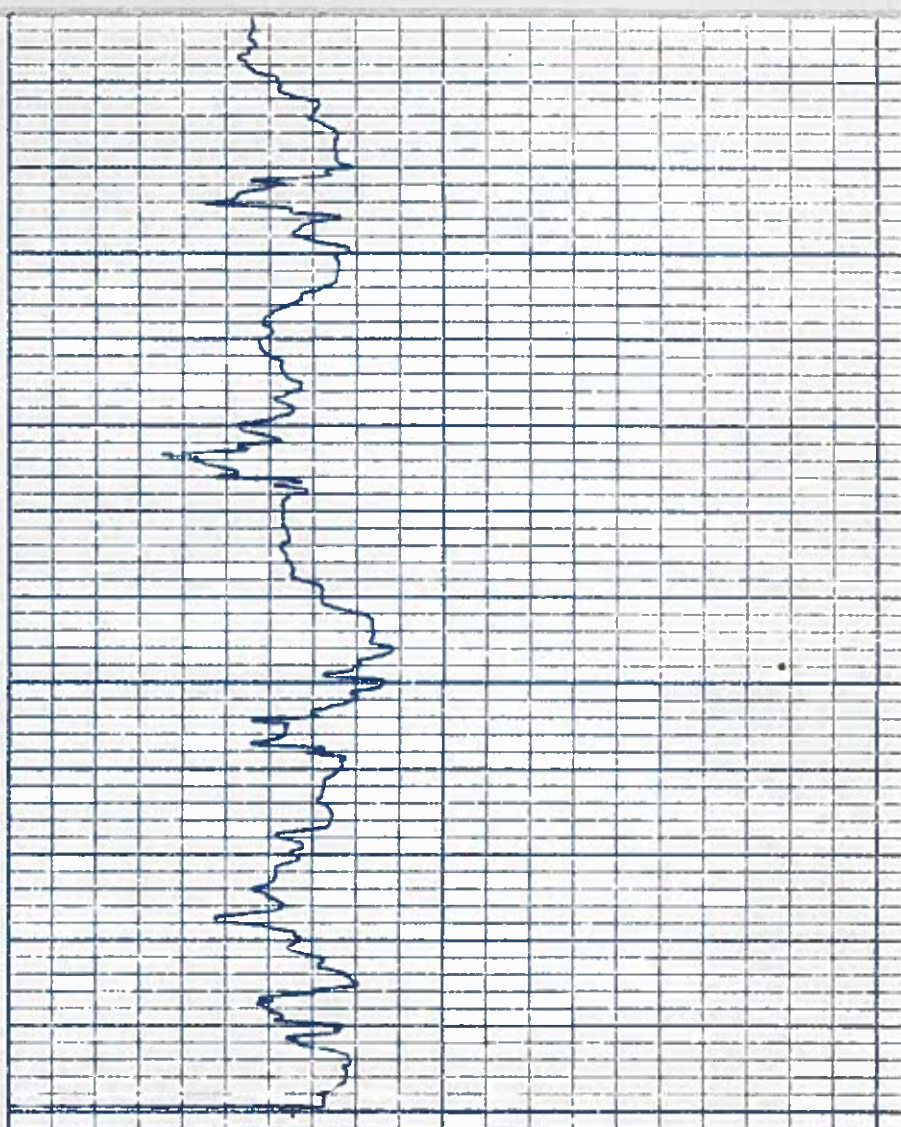
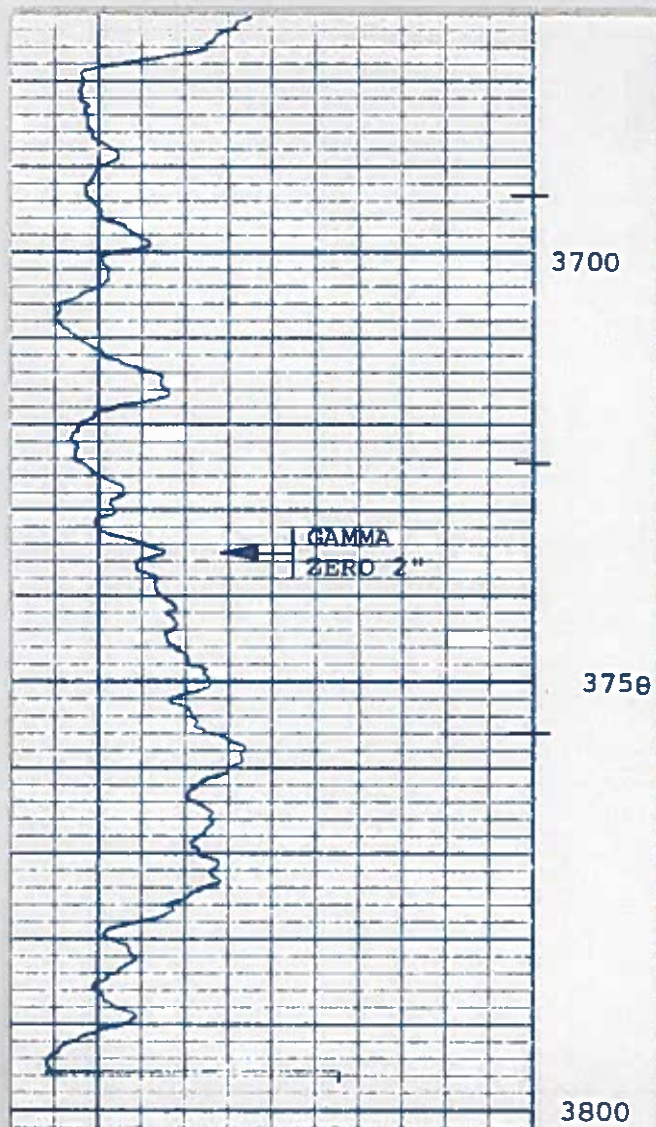
0 MV 40

2900

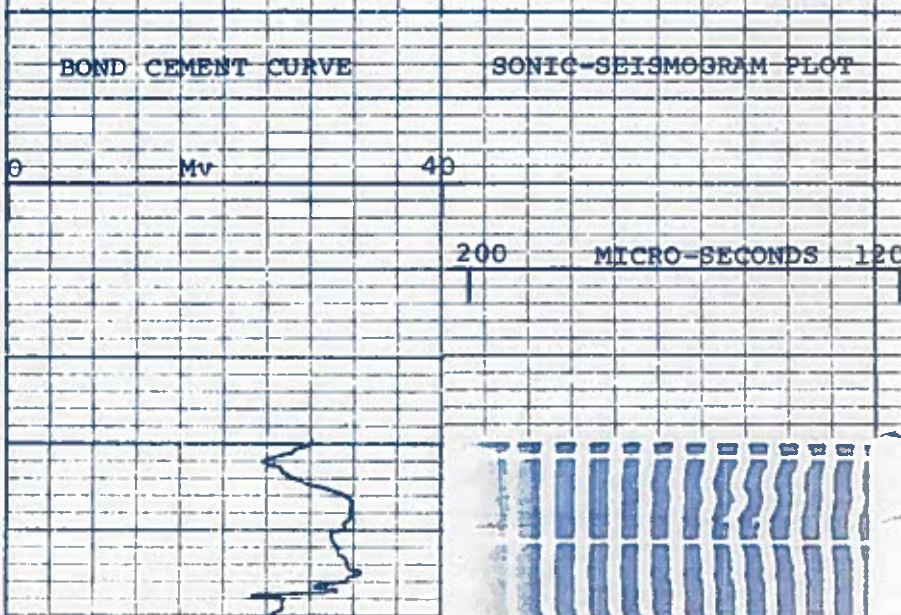
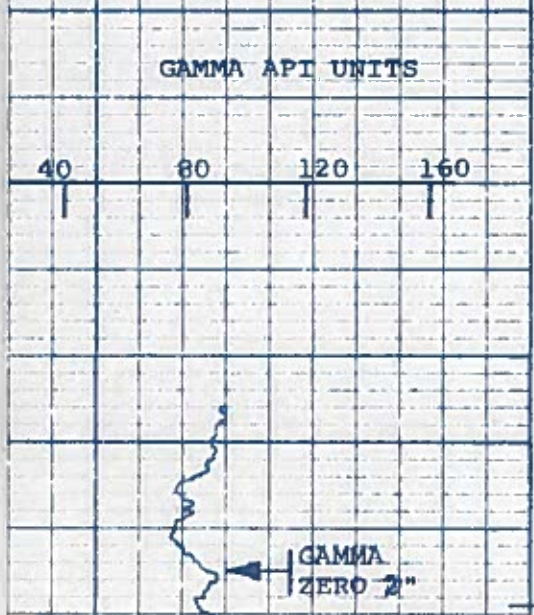


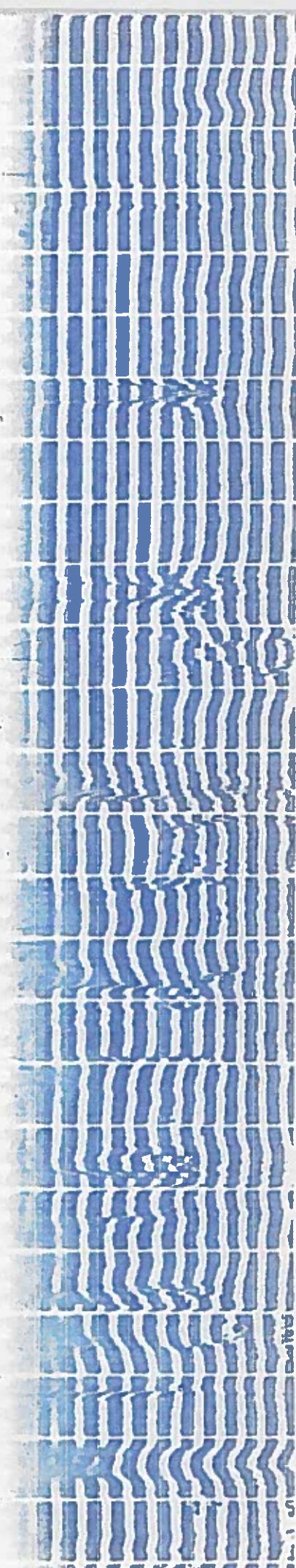
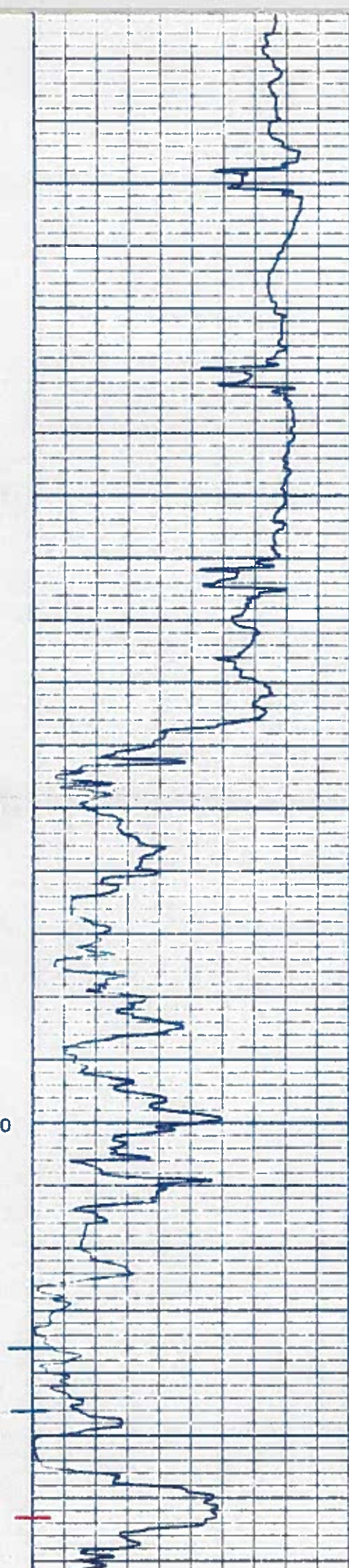
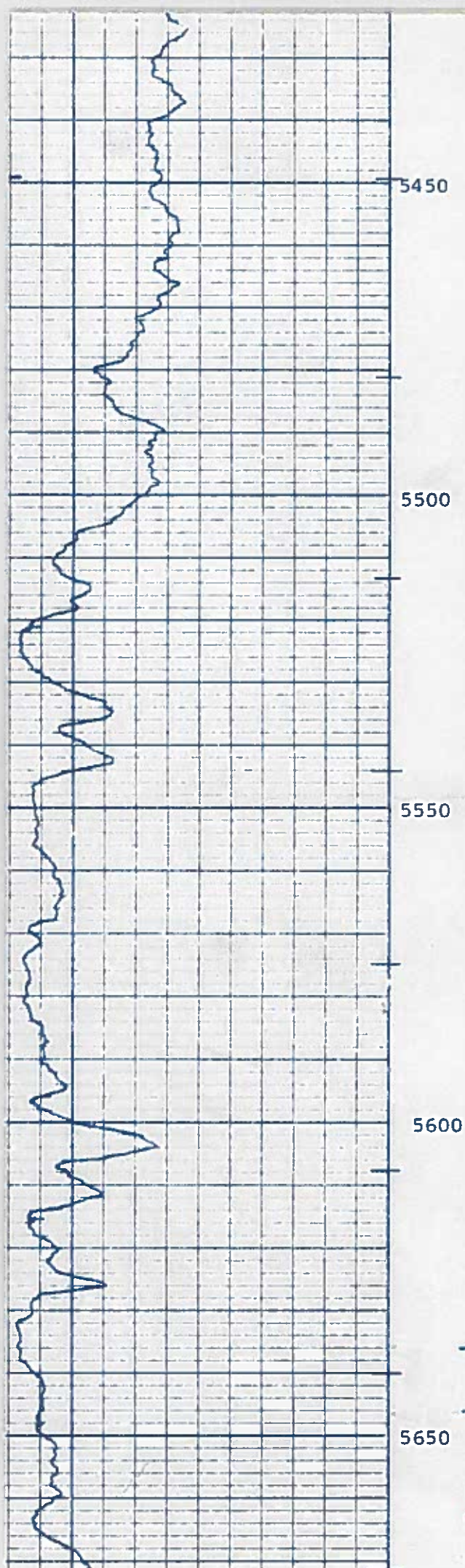


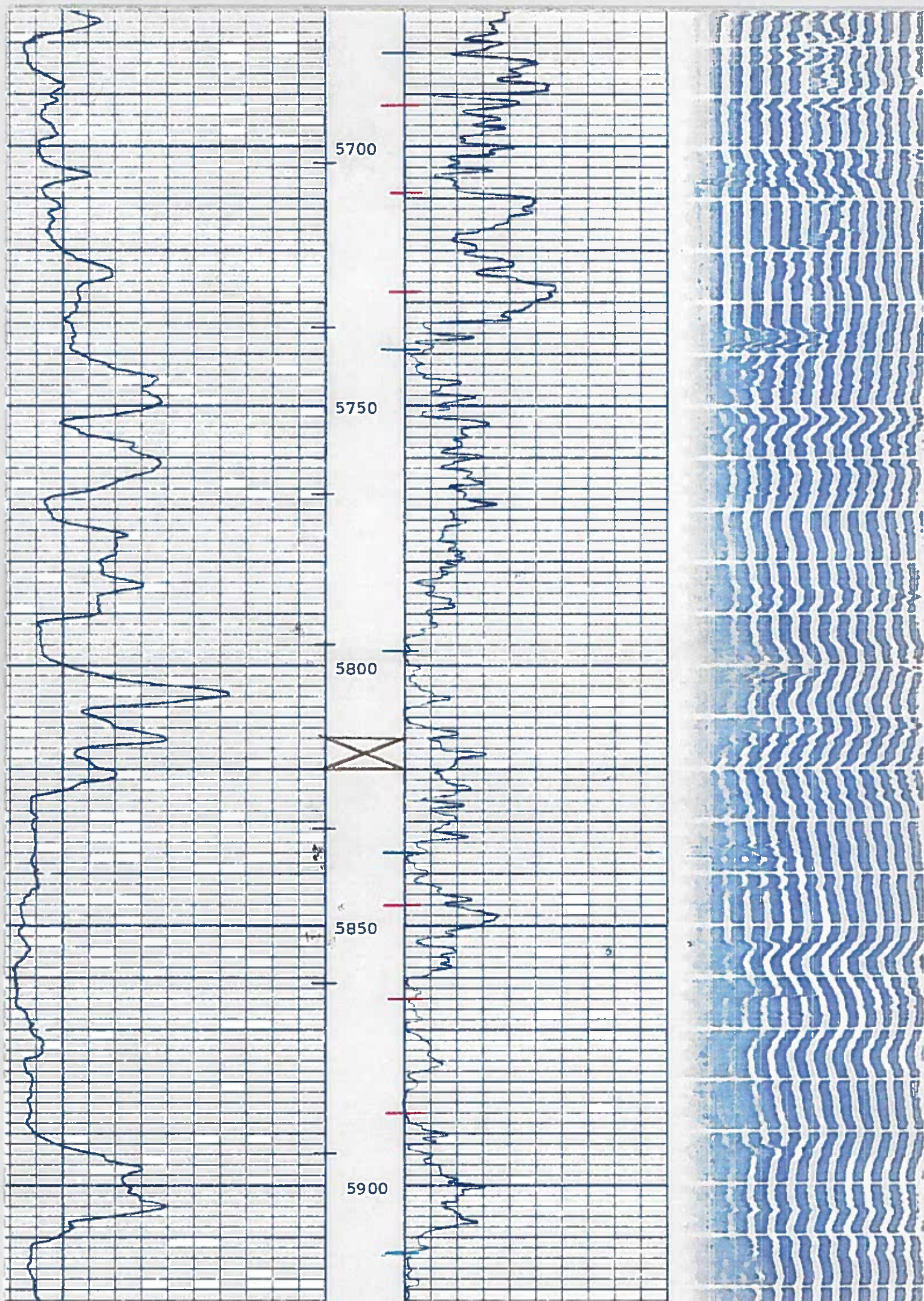


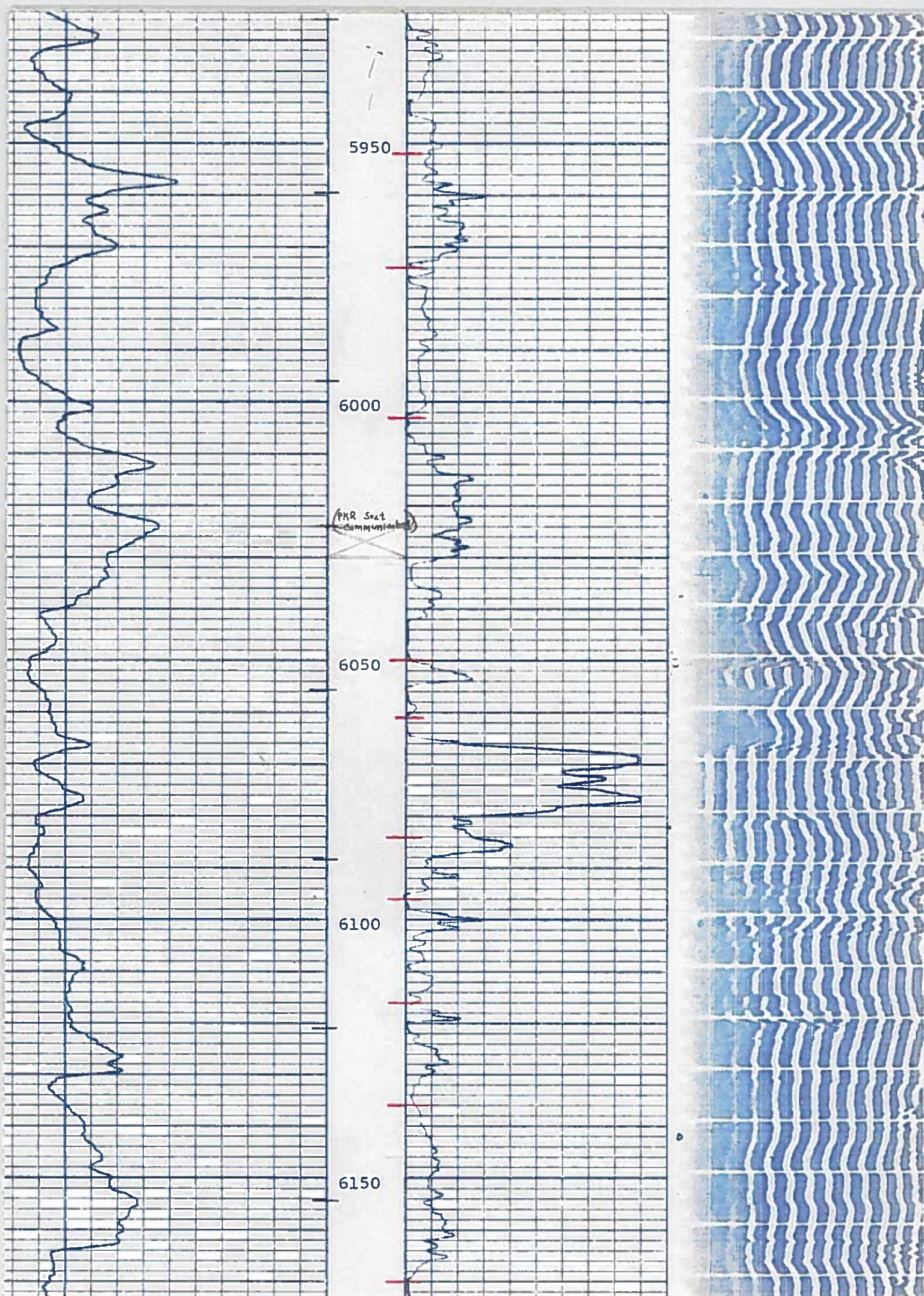


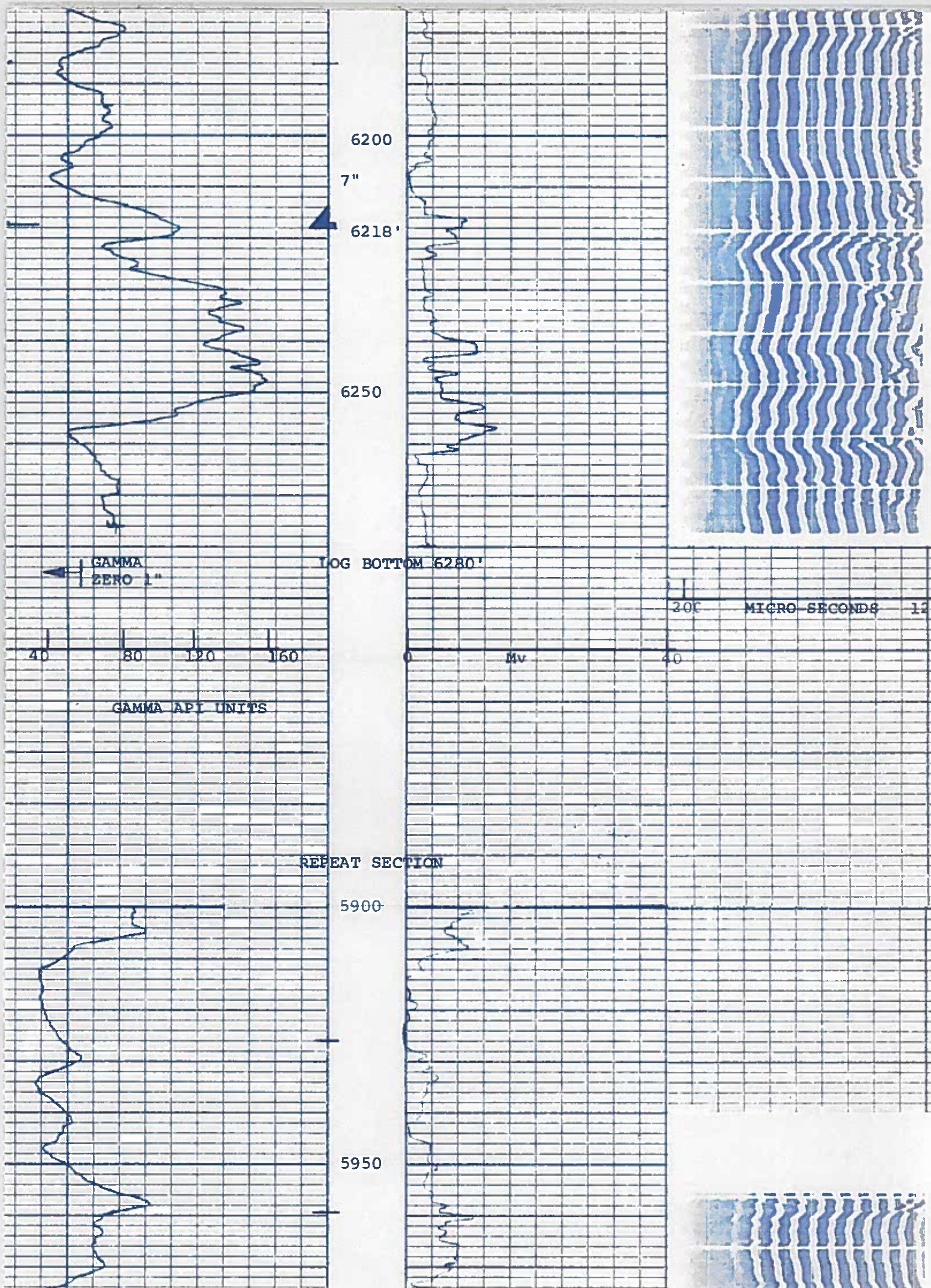
DID NOT LOG THIS INTERVAL

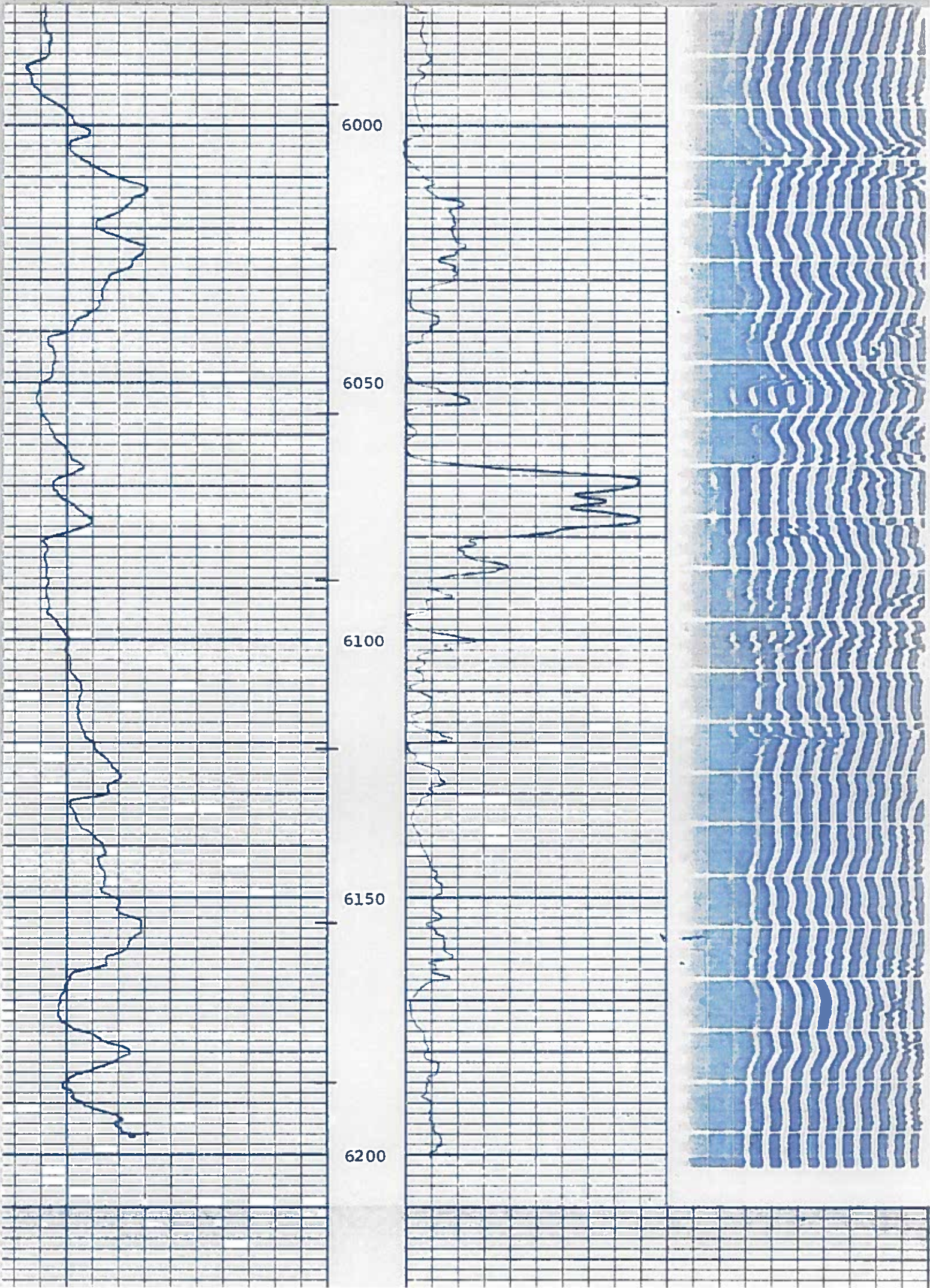






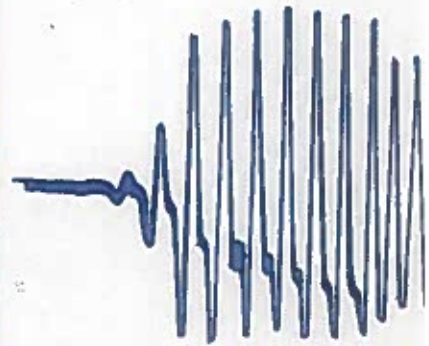






SCOPE PICTURE

SIGNAL TAKEN
AT 6200'



CHEVRON OIL COMPANY
U.P. 72 X 31
RANGELY FIELD
RIO BLANCO COUNTY, COLORADO