



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-8178

OIL CONSERVATION DIVISION
BOX 2088
SANTA FE, NEW MEXICO 87501

DATE 3-19-81

RE: Proposed MC _____
Proposed DHC _____
Proposed NSL _____
Proposed SWD α _____
Proposed WFX _____
Proposed PMX _____

Gentlemen:

I have examined the application dated 3-16-81
for the Conoco Inc. Jicarilla 30 #2 C-29-25N-4W
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve with requirement that cement above bridge plug
covers stage collar by a minimum of 50'

Yours truly,

Frank J. Chang

Frank

RECEIVED
MAR 10 1981

NEW MEXICO OIL CONSERVATION COMMISSION

APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

OPERATOR Conoco Inc.		ADDRESS P.O. Box 460 Hobbs, NM 88240		DIVISION SANTA FE	
WELL NAME Jicarilla 30		WELL NO. 2		FIELD West Lindrith	
COUNTY Rio Arriba					
UNIT LETTER C ; WELL IS LOCATED 810 FEET FROM THE North LINE AND 1825 FEET FROM THE West LINE, SECTION 29 TOWNSHIP 25N RANGE 4W NMPM.					
CASING AND TUBING DATA					
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface casing	8 5/8"	310'	185 SK.	circulate	
Intermediate	5 1/2"	6565'	500 SK.	2750'	temp. survey
Production stringer	4"	6512'-6946'	None	—	—
Wellbore	2 3/8"	6577'	NAME, MODEL AND DEPTH OF TUBING PACKER Baker +bg. anchor 6455'		
NAME OF PROPOSED INJECTION FORMATION Mesa Verde			TOP OF FORMATION 4913'		BOTTOM OF FORMATION 5600'
IS THERE THROUGH TUBING, CASKING, OR ANNULUS?		PERFORATIONS OR OPEN HOLES?		PERFORATED INTERVAL(S) OF INJECTION	
tubing		perfs		5444'-5476', 5522'-28', 5540'-60'	
IS ANOTHER WELL DRILLED FOR INJECTION?		IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED?		HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE?	
No		Gallup Dakota Pool		No, slotted liner.	
LIST ALL PERFORATED INTERVALS AND GRADES OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH					
6613'-6638', 6638'-6699', 6745'-6810', 6810'-6938'; Bridge plug at 6500', 60' cmt on top					
DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA			
2890'		4168'		6582'	
MINIMUM DAILY PRODUCTION VOLUME (BBL/D)		MAXIMUM DAILY PRODUCTION VOLUME (BBL/D)		OPEN OR CLOSED TYPE SYSTEM	
100		860		closed	
IS INJECTION TO BE BY GRAVITY OR PRESSURE?		APPROX. PRESSURE (PSI)			
pressure		1600 psi			
DO ANY VESSELS OF NO. WHETHER THE FOLLOWING WATERS ARE MINOR WATERS TO SUCH A DEGREE AS TO BE SUIT FOR DOMESTIC, AGRICULTURAL, OR OTHER GENERAL USE?		WATER TO BE DISPOSED OF		NATURAL WATER IN DISPOSAL ZONE	
No		No		No	
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND)					
Jicarilla Apache Tribe					
NAME AND ADDRESS OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL					
Conoco Inc. P.O. Box 460 Hobbs, NM 88240					

RECEIVED
MAR 16 1981
OIL CON. COM.
DIST. 3

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

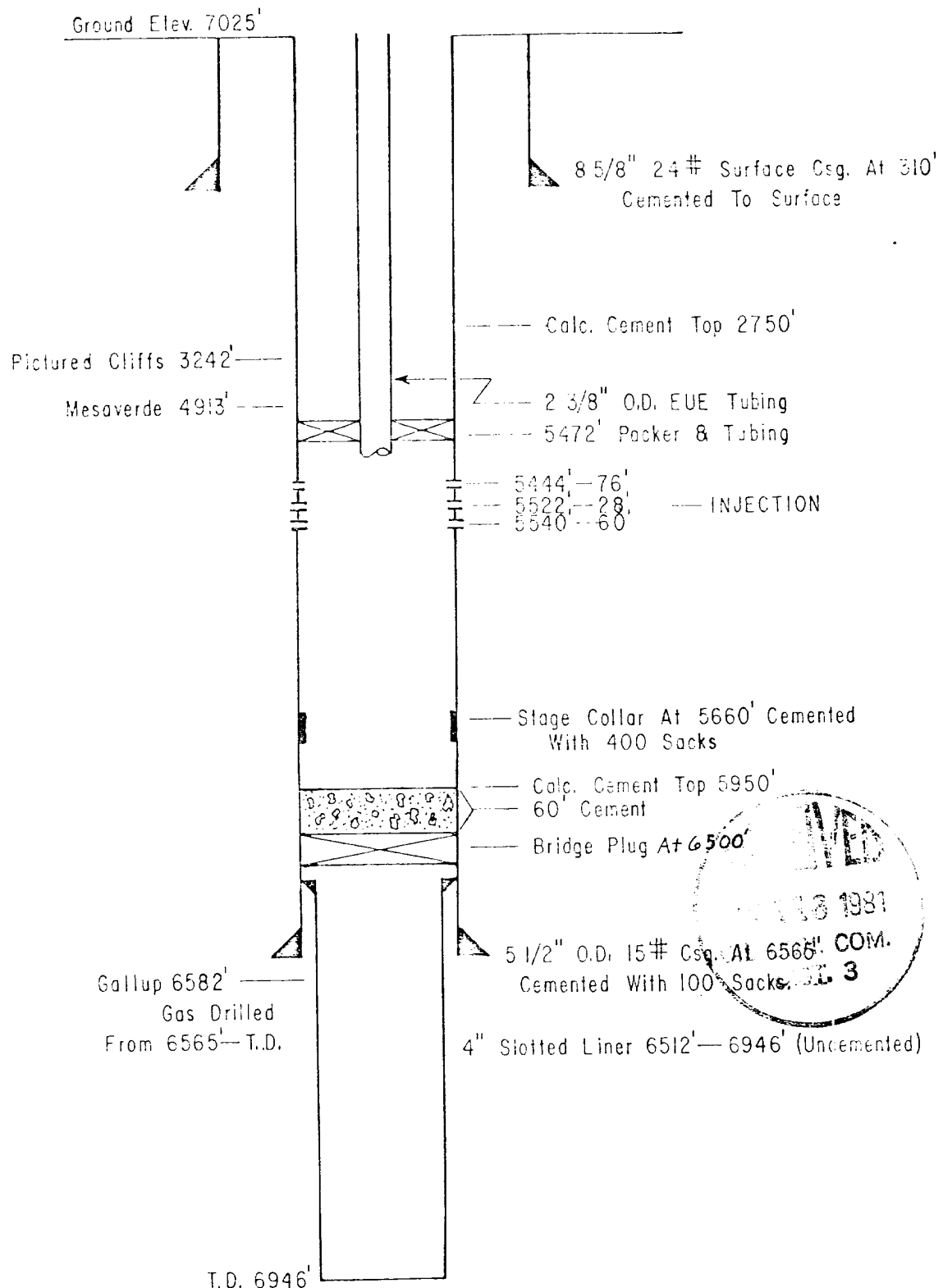
W. A. Butterfield
(Signature)

ADMINISTRATIVE APPROVAL
(Title)

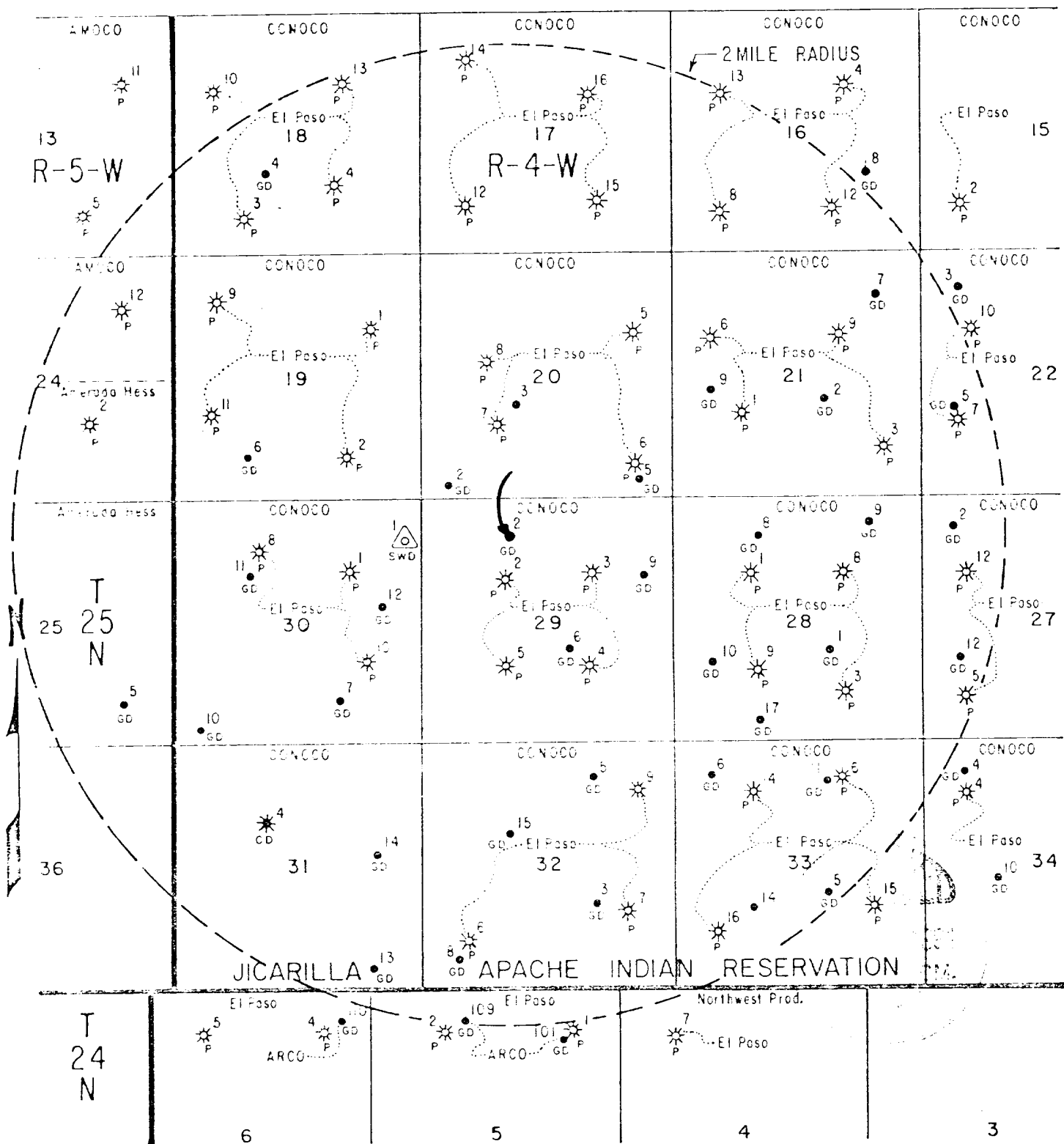
March 5, 1981
(Date)

NOTE: Should waivers from the surface owner and all operators within one-half mile of the proposed injection well not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days from the date of receipt by the Commission's Santa Fe office. If at the end of the 15-day waiting period no protest has been received by the Santa Fe office, the application will be processed. If a protest is received, the application will be set for hearing, if the applicant so requests. SEE RULE 701.

JICARILLA 30 NO. 2 PROPOSED WELL BORE SCHEMATIC TO CONVERT TO A SWD WELL



Liner Collapsed — Could Not Drill Out Below 6590'



- ☼ CHARCA
- DAKOTA
- GALLUP
- ☼ PICTURED CLIFFS

PRODUCTION DEPARTMENT
HOBBS DIVISION

RIO ARRIBA COUNTY, NEW MEXICO

SCALE

LEGEND:

- LOCATION
- OIL WELL
- ☼ GAS WELL

- ⬮ DRY HOLE
- ⬮ INJECTION WELL
- ⬮ ABANDONED WELL
- ⬮ SHUT-IN WELL
- ⊕ SALT WATER DISPOSAL WELL
- DEEPER WELL - ZONE UNTESTED



DIVISION OF DRESSER INDUSTRIES, INC.

FILE NO.

COMPANY CONTINENTAL OIL COMPANY

WELL JICARILLA 30 WELL N° 2

FIELD JICARILLA GALLUP

COUNTY RIO ARRIBA STATE NEW MEXICO

LOCATION: 1850' FWL. & 790 FNL

Other Services

IES

SEC 29 TWP 25 N RGE 4W

Permanent Datum G.L. Elev. 7025

Log Measured from K. B. 11 Ft. Above Permanent Datum

Drilling Measured from K. B.

Elevations:
KB 7035
DF 7035
GL 7025

Date 12-6-63

Run No. ONE

Type Log G&R N&N DL

Depth-Driller 6949

Depth-Logger 6951

Bottom Logged Interval 6950

Top Logged Interval 3200

Type Fluid in Hole GAS DRILLED

Salinity Ppm Cl.

Density Lb. Gal.

Level

Max. Rec. Temp. Deg. F 170°

Op. Rig Time 3.5 HOURS

Recorded By BAKER

Witnessed By MR. ONEILL

Casing Record

Bore Hole Record

Run No. 2 Bit 4 5/8 From 6951 To 6565 Size 5 1/2 Wgt. 15.5 From 6565 To 0

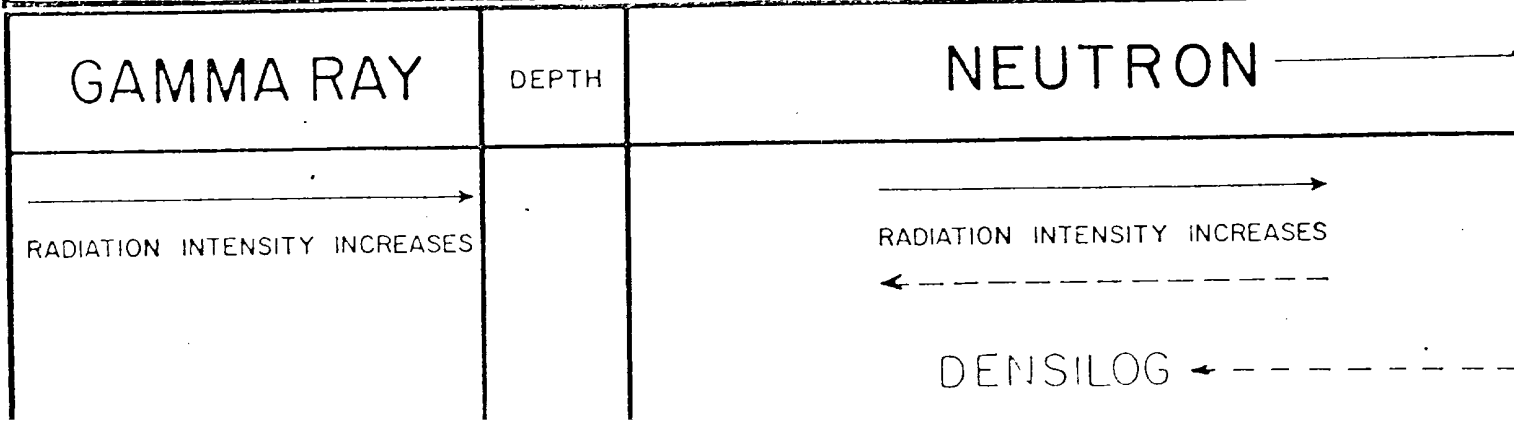
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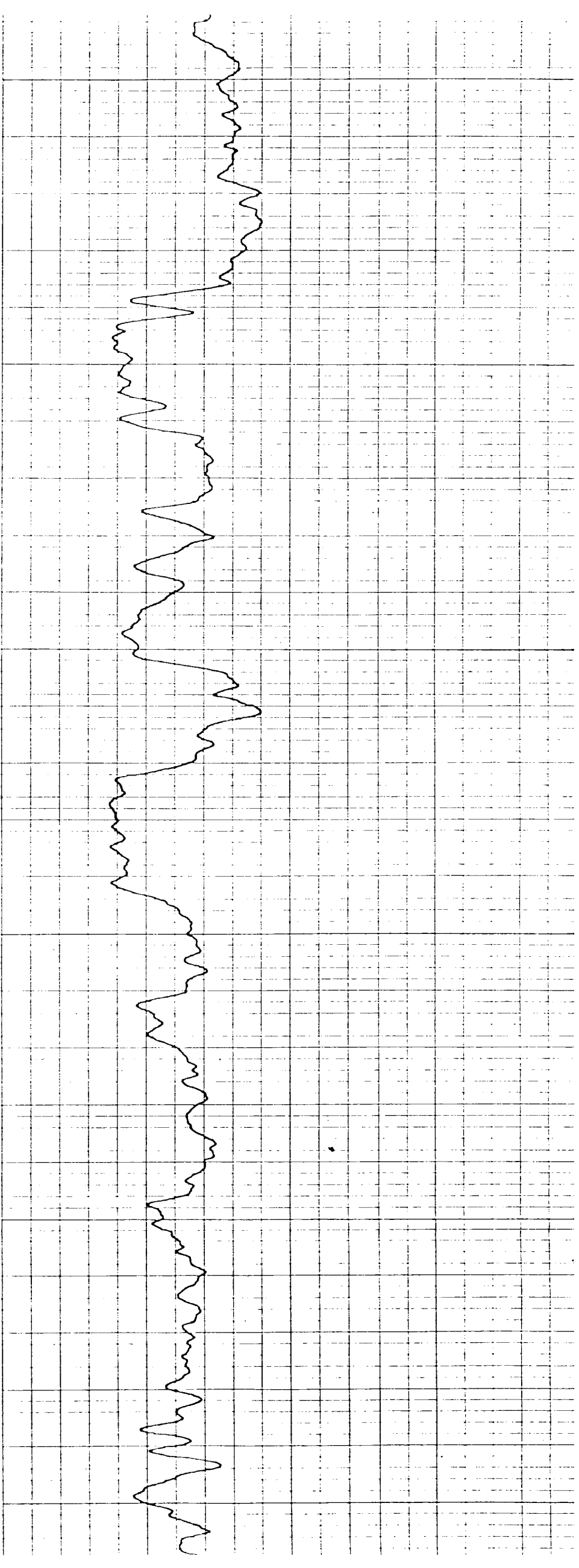
Gamma Ray				Equipment Data				Neutron DENSIOLOG			
Run No.	TWO			Run No.	TWO			TWO			
Tool Model No.	402			Log Type	N/N			D/L			
Diam.	3.5"			Tool Model No.	402			501			
Detect. Model No.	0461			Diam.	3.5"			3.5"			
Type	SCINT			Detect. Model No.	D6NL			DIA			
Length	4"			Type	SCINT			GEIGER			
Dist. to N. Source	13'			Length	4"			7"			
General				Source Model No.	S16D5			CO-60			
Hoist Truck No	L-5170			Serial No.	3546			34			
Inst. Truck No.	L-5170			Spacing	13.5"			F			
Tool Serial No.				Type	PU-BE			CO-60			
				Strength	70 X 10			97 %			

General				Gamma Ray				Neutron			
Run No.	Depths From	To	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. Uni Per Log Div.
2	6565	3200	65	0.9	315	2L	15	0.9	45	5 L	125
2	6951	6565	65	0.9	315	1L	15	0.9	45	10 L	125

Remarks: SOURCE STRENGTH X SENSITIVITY X TOOL FACTOR = 250
97 % X 2.37" X LOG = 250

Reference Literature:

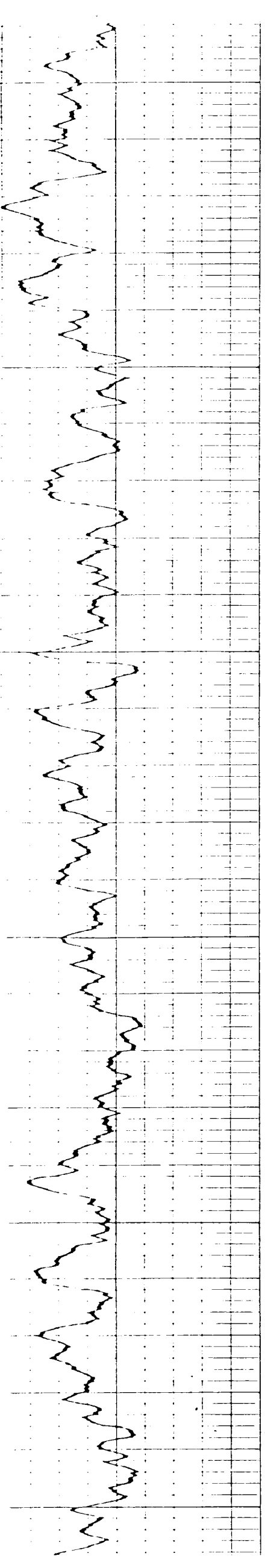


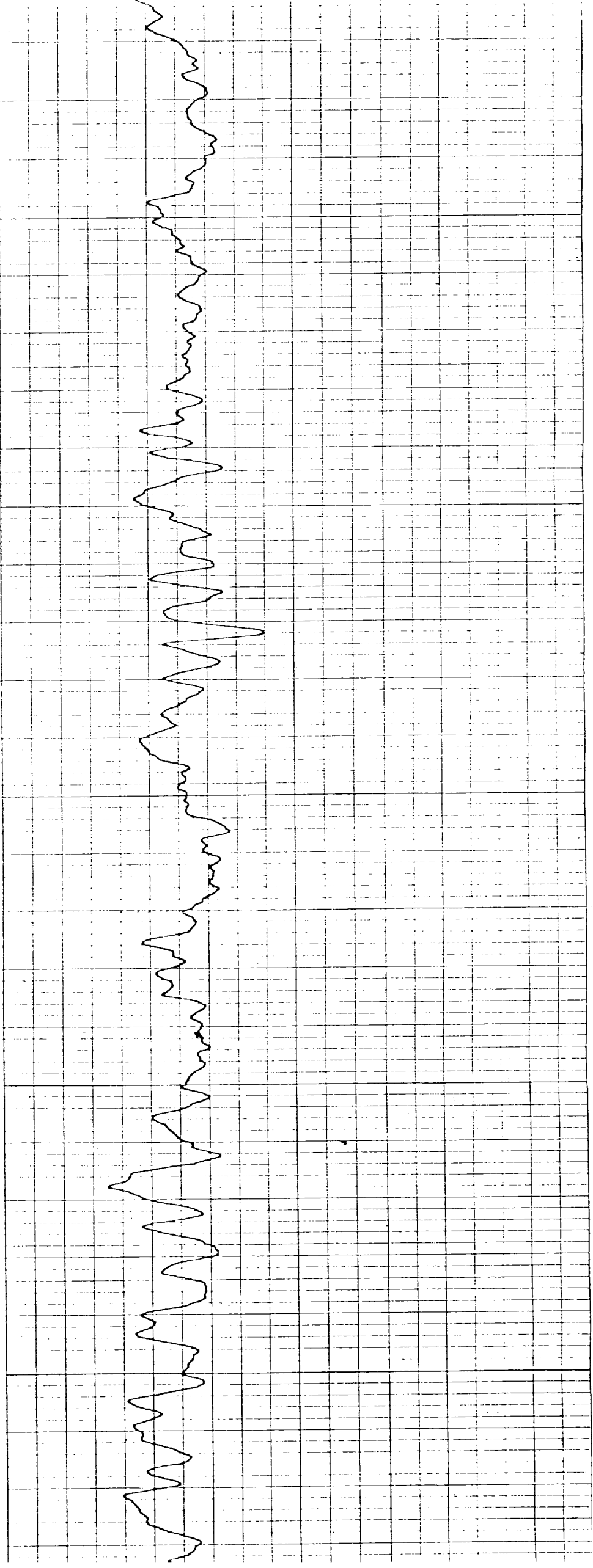


4900

5000

5100

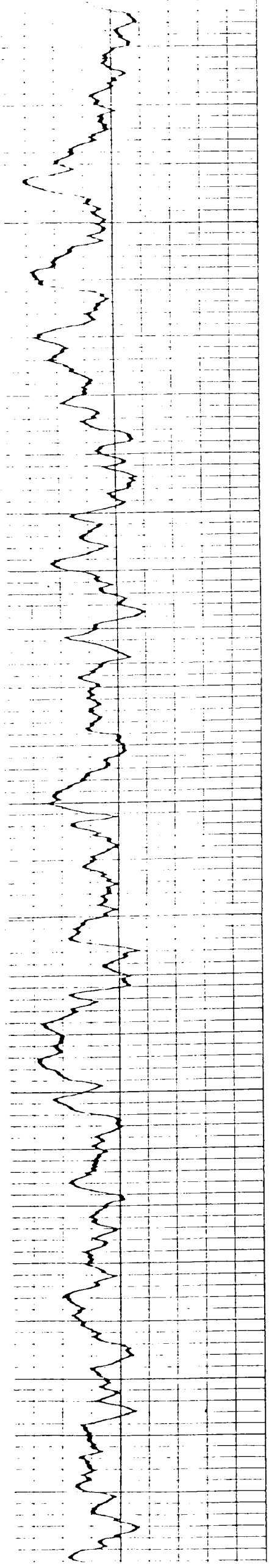


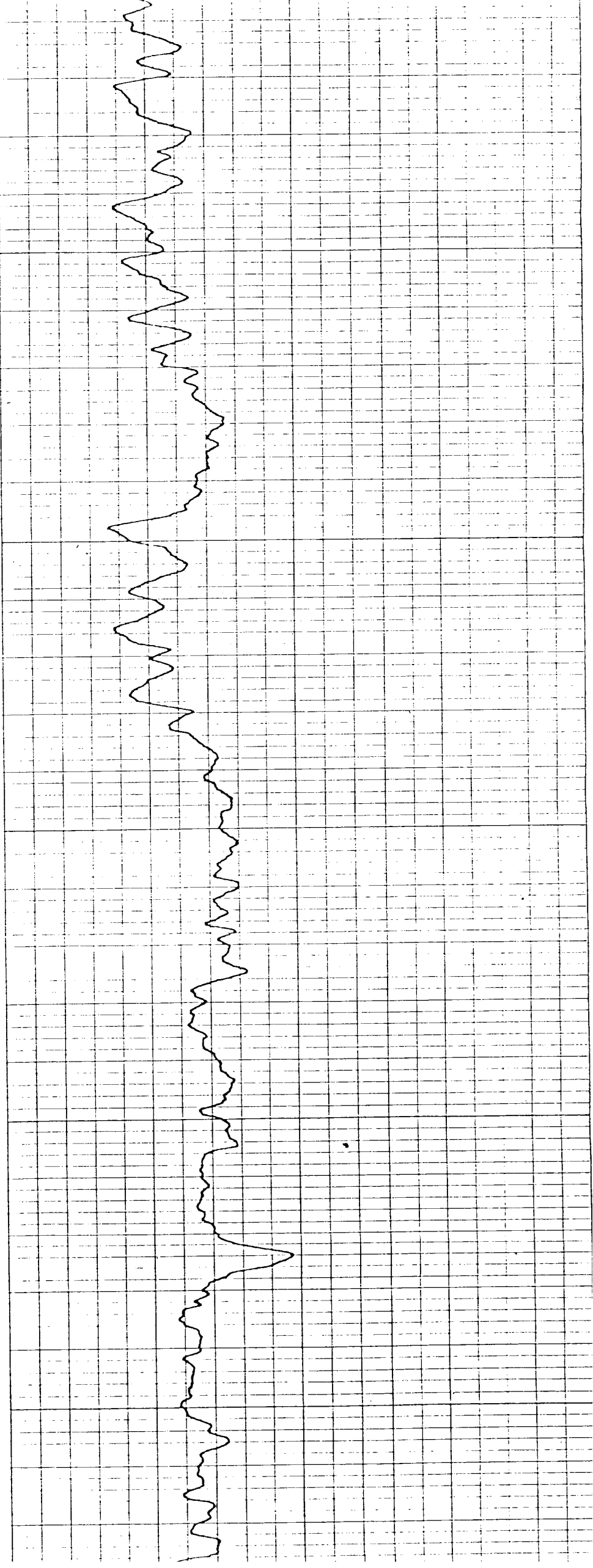


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5200

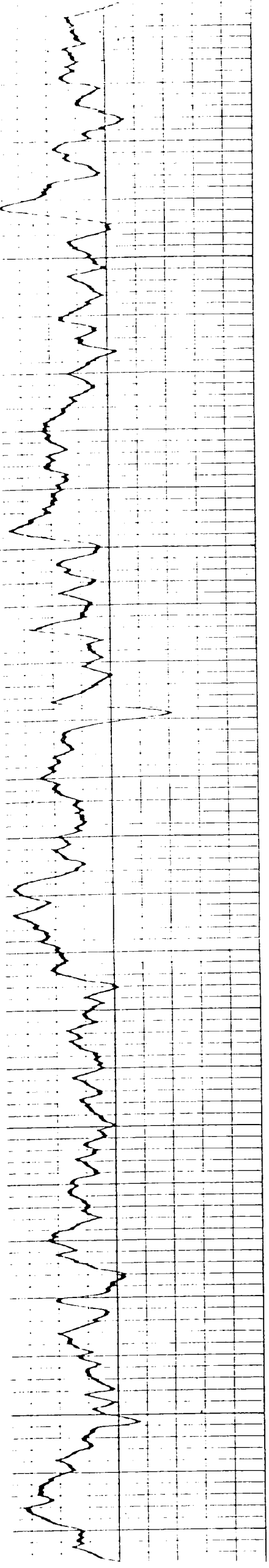
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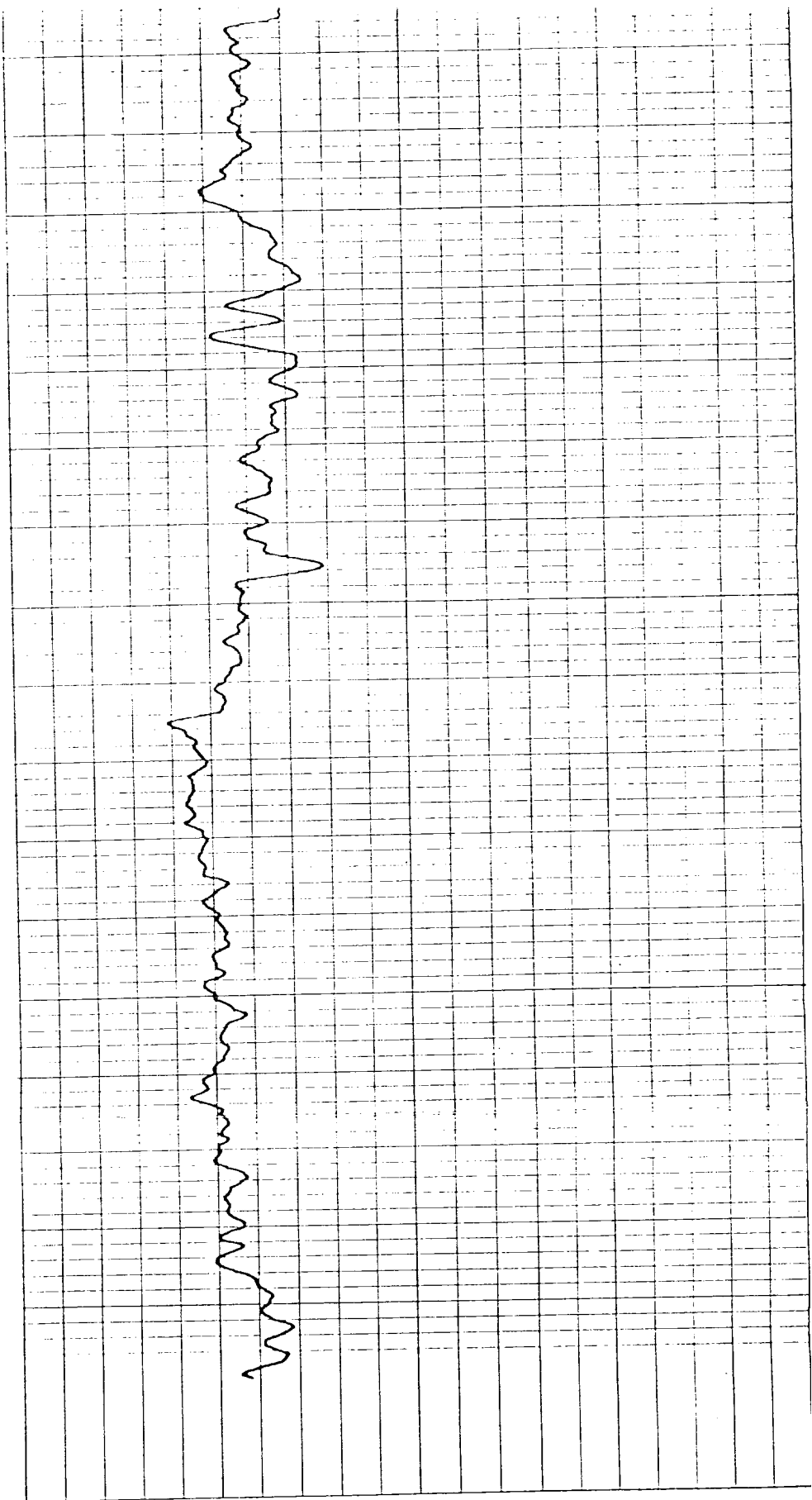




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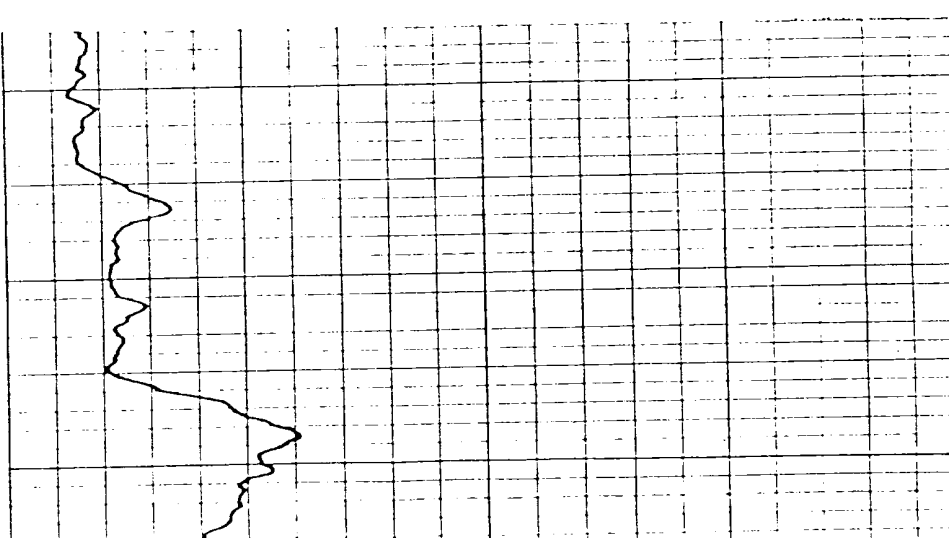
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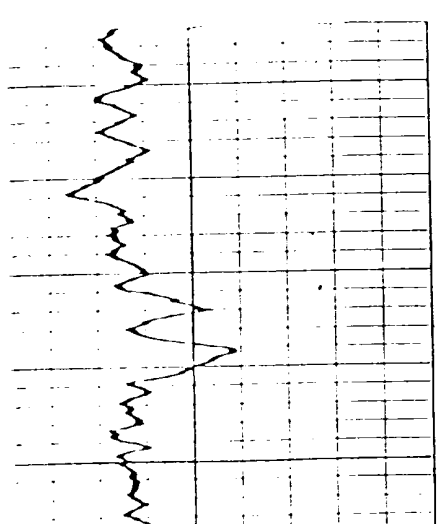
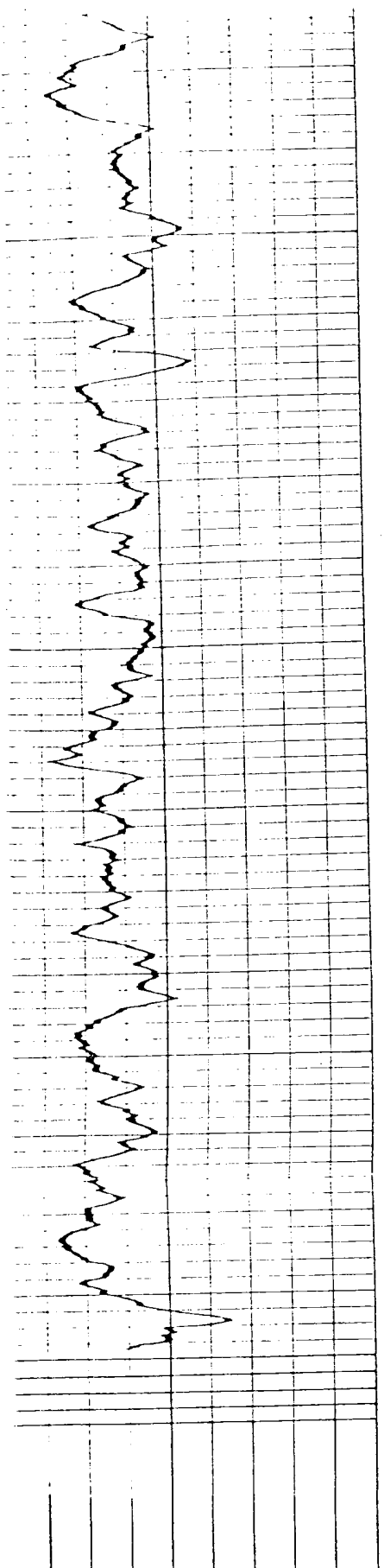


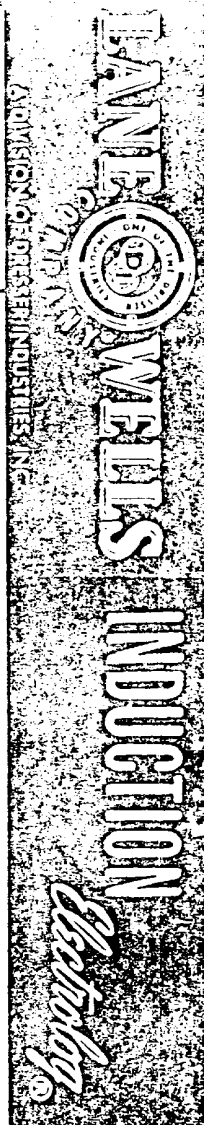
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5700



5600





ADMISSION OF FOREIGN INDUSTRIES, INC.

FILE NO. _____

COMPANY CONTINENTAL OIL COMPANY

WELL JICARILLA 30 WELL N° 2

FIELD JICARILLA GALLUP

COUNTY RIO ARRIBA STATE NEW MEXICO

LOCATION: 1850 FWL & 790 FNL

Other Services

SEC 29 TWP 25N RGE 4W

Permanent Datum G. L. Elev. 7025

Log Measured from K. B. OR. LI. Ft. Above Permanent Datum

Drilling Measured from K. B. Elevations: KB 7036 DF 7035 GL 7025

Date 12-3-63

Run No. ONE

Depth—Driller 6565

Depth—Logger 6565

Bottom Logged Interval 6564

Top Logged Interval 311

Casing—Driller 8 5/8 @ 310

Casing—Logger 311

Bit Size 7 7/8

Type Fluid in Hole CHEM. GEL.

Density and Viscosity 9.7 75

pH and Fluid Loss 8.0 - cc

Source of Sample FLOW LINE

Rm. (1) Meas. Temp. 3.3 @ 70 F

Rmf. (2) Meas. Temp. 2.7 @ 64 F

Rmc. (3) Meas. Temp. 4.0 @ 68 F

Source of Rmf and Rmc MEASURED

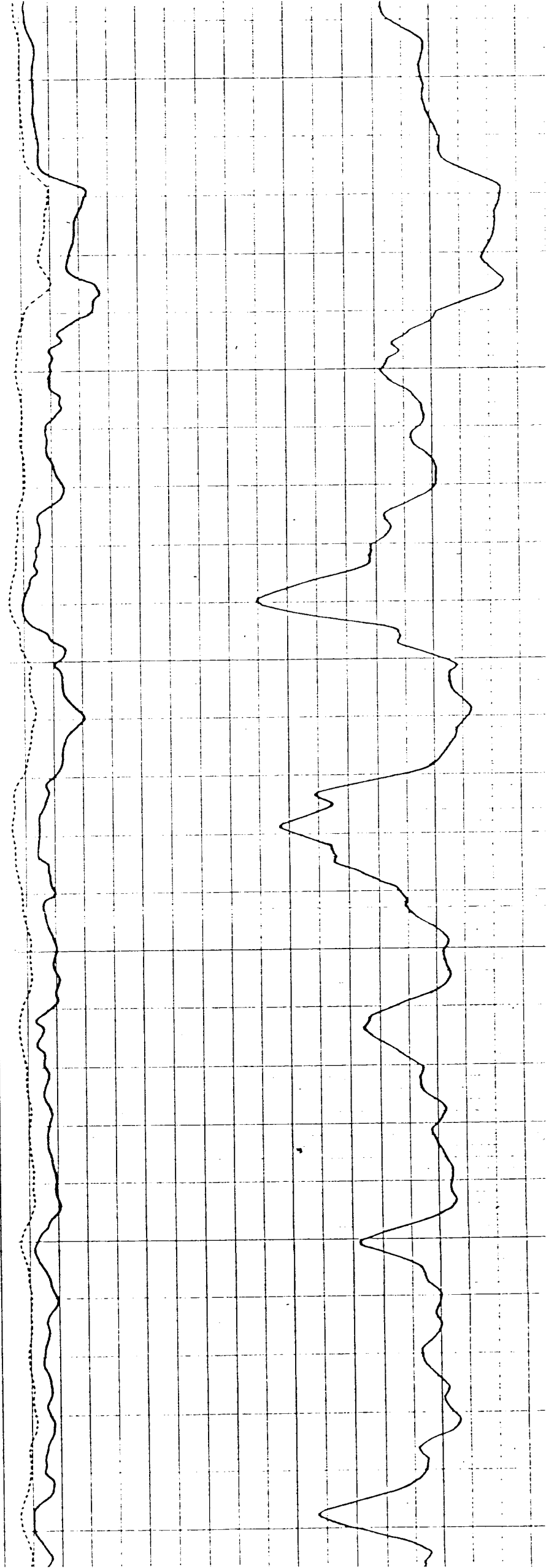
Rm. (4) BHT 18 @ 128 F

Time Since Circ. 2 HOURS

Max. Rec. Temp. Deg. F. 128 F

Equip. No. and Location L-5170 FARM

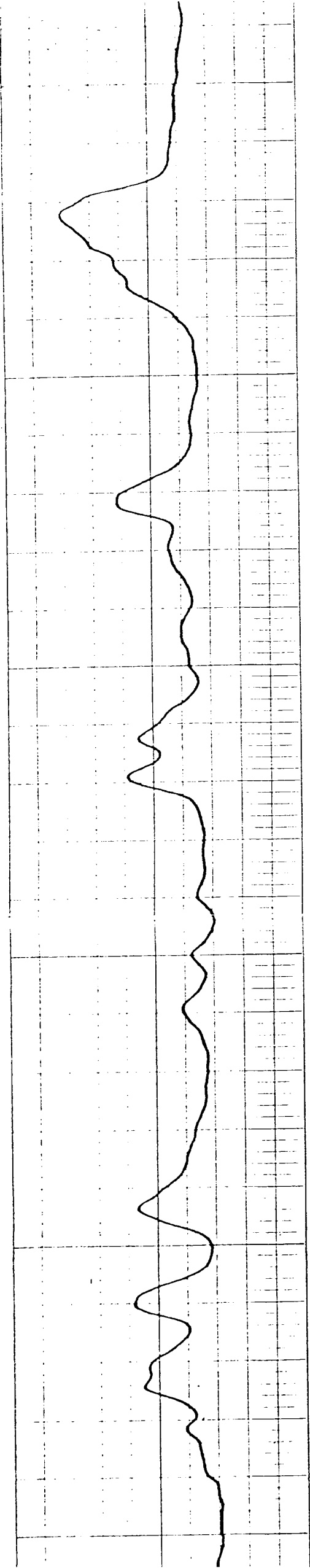
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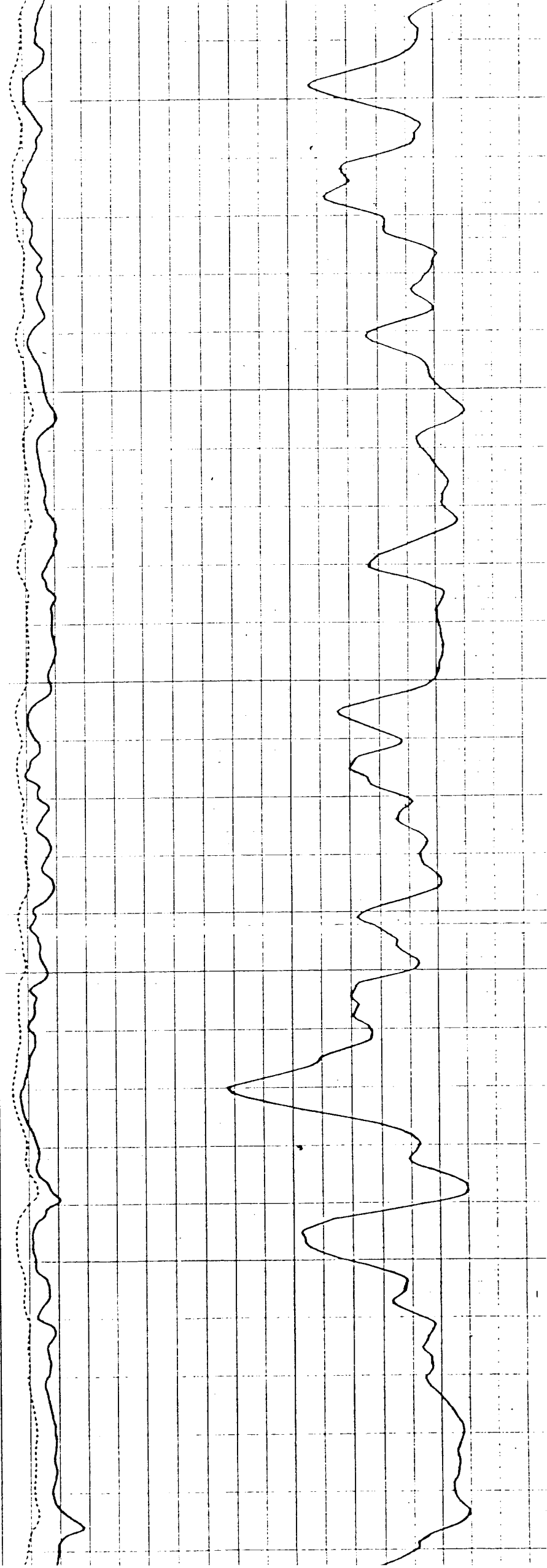


1900

5000

5100

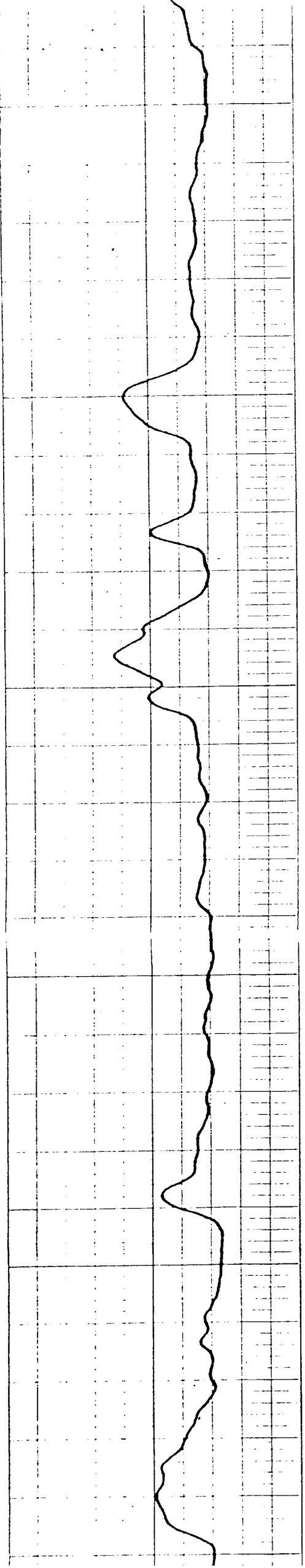


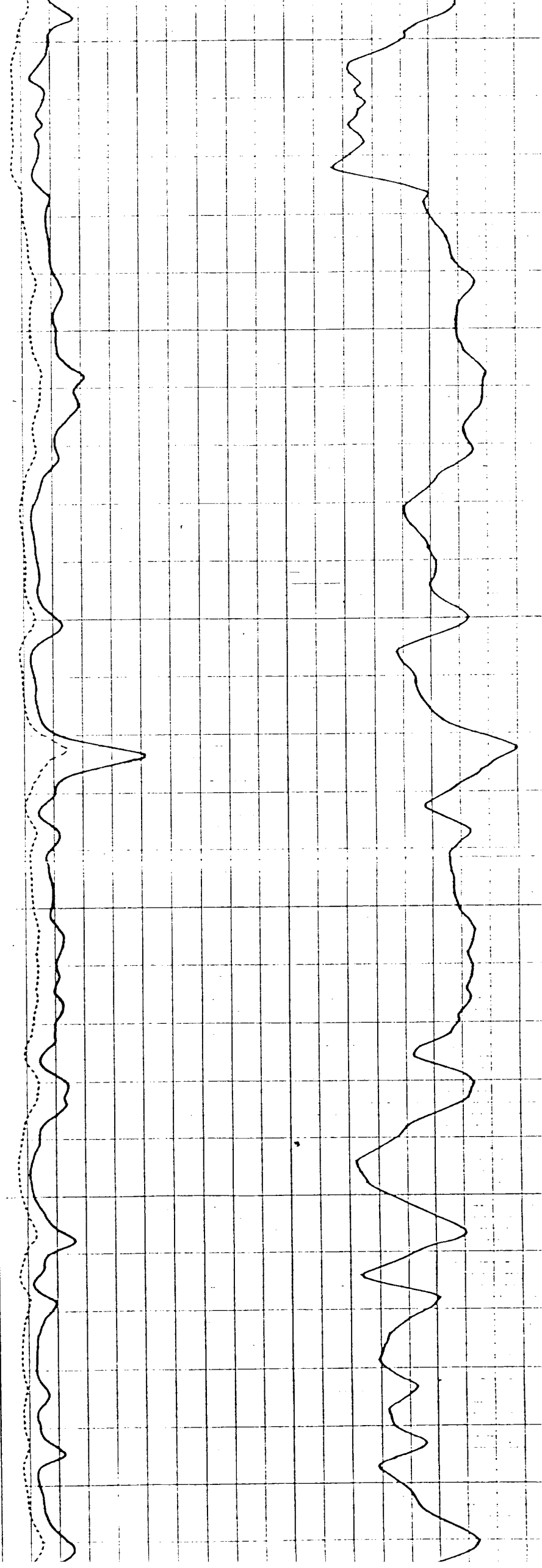


5200

5300

5400





5400

5500

5600

