

# GREAT GUNS

## Digital Log

MARKED

### R A Guard Log

FILE NO. \_\_\_\_\_

COMPANY CHIEF DRILLING COMPANY, INC.

WELL COBERLY 'C' No. 1

FIELD \_\_\_\_\_

COUNTY GOVE STATE KANSAS

LOCATION: SW SW SE

OTHER SERVICES \_\_\_\_\_

SEC 17 TWP 15 S RGE Z8W

Permanent Datum GROUND LEVEL Elev. 2425

Log Measured from KELLY Bushings 7 Ft. Above Permanent Datum

Drilling Measured from KELLY Bushings

Elevations:

KB 24322431

DF 2429 2428

GL 2425 2424

Date	<u>DEC 11, 1985</u>		
Run No	<u>ONE</u>		
Depth—Driller	<u>4235</u>		
Depth—Logger	<u>4233</u>		
Bottom Logged Interval	<u>4230</u>		
Top Logged Interval	<u>SURFACE</u>		
Casing—Driller	<u>2516 @ 304</u>	@	@
Casing—Logger			
Bit Size	<u>7 7/8</u>		
Type Fluid in Hole	<u>DRILL</u>		
Density and Viscosity	<u>9.6</u>	<u>46.0</u>	
pH and Fluid Loss	<u>9.5</u>	<u>0.8</u>	
Source of Sample	<u>Flow Line</u>		
Rm @ Meas. Temp.	<u>0.92</u>	<u>65.5</u>	F
Rmf @ Meas. Temp.	<u>0.61</u>	<u>65.5</u>	F
Rmc @ Meas. Temp.	<u>1.38</u>	<u>65.5</u>	F
Source of Rest and Rev.	<u>Drilling Fluid</u>		
Rm @ BHT	<u>0.81</u>	<u>115</u>	F
Time Since Crt.	<u>1 1/2 Hours</u>		
MSL Rec Temp	<u>115</u>		

I hereby certify that the information furnished herein is true and correct to the best of my knowledge and belief. I understand that this log is a public record and that it may be made available to the public. I agree that Great Guns is not responsible except where due to negligence.

#### EQUIPMENT DATA

Gamma Ray		Neutron	
Run No.	Log Type	ONE	S.D. from C.D. (ft.)
<u>ONE</u>	<u>200A</u>	<u>NEU-NEU</u>	<u>GR 2.8</u>
<u>200A</u>	<u>4 IN.</u>	<u>200 ENP</u>	<u>CAL 11.6</u>
<u>4 IN.</u>	<u>6 PF 16</u>	<u>4 IN.</u>	<u>RSTY 6.4</u>
<u>6 PF 16</u>	<u>SCINTILLATION</u>	<u>RSP41-206204</u>	<u>SENP 12.0</u>
<u>SCINTILLATION</u>	<u>4 IN.</u>	<u>HE 3</u>	
<u>4 IN.</u>	<u>10.7 IN.</u>	<u>5 IN.</u>	
<u>10.7 IN.</u>	<u>General</u>	<u>GNI 71-1</u>	
<u>General</u>	<u>79</u>	<u>71-1-5125</u>	
<u>79</u>	<u>HAYS, KS</u>	<u>10.75 IN.</u>	
<u>HAYS, KS</u>	<u>79</u>	<u>AM BE</u>	
<u>79</u>		<u>5 CURIES</u>	

#### LOGGING DATA

Gamma Ray		Neutron	
Speed	Zero	Sens.	API N. Units
Ft/Min.	Div. L or R	Settings	Per Log Div.
<u>25</u>	<u>-0-</u>	<u>15 P2</u>	<u>80 P2</u>
<u>50</u>	<u>-0-</u>	<u>15 P2</u>	<u>--</u>

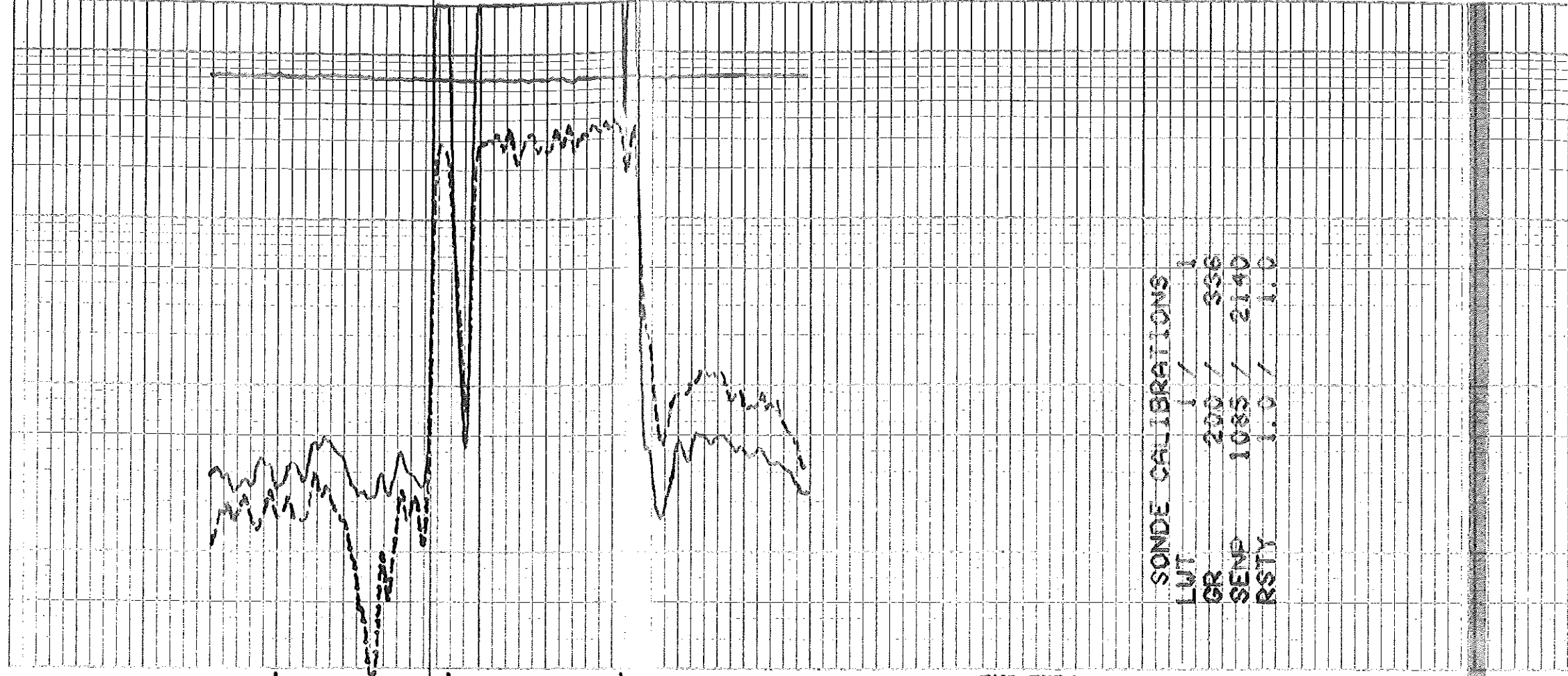
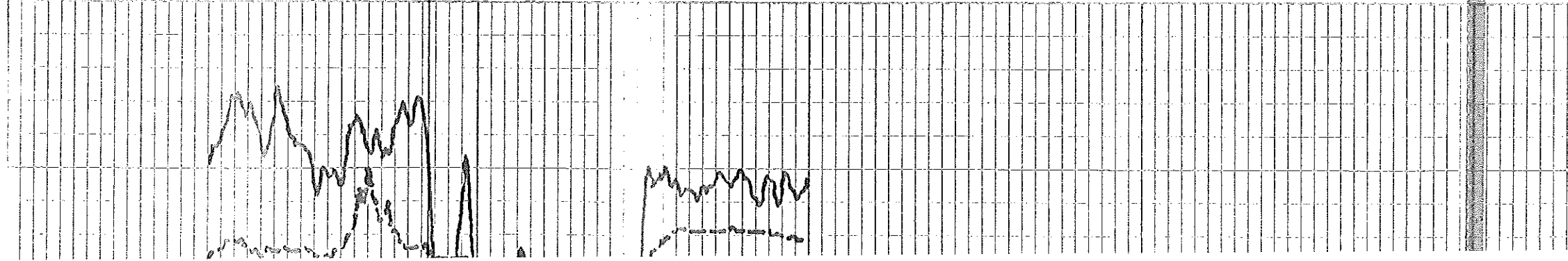
GAMMA RAY A.P.I. UNITS	2	1	10	100	1000
	RESISTIVITY				
CALIPER (INCHES)	NEUTRON A.P.I. UNITS				
	300				

RESISTIVITY

NEUTRON  
A.P.I. UNITS

300

CALIPER  
(INCHES) 16"



FILE 882

SONDE CALIBRATIONS  
 LWT 1 / 1  
 GR 200 / 336  
 SEND 1085 / 2190  
 RSTY 1.0 / 1.0

LINE HEIGHT  
AP2 INITS

1500

2500

NEUTRON  
AP1 INITS

500

2500

GUARD RESISTIVITY  
AP1 INITS

.2

2000.0

3200

3300

TOP  
3311

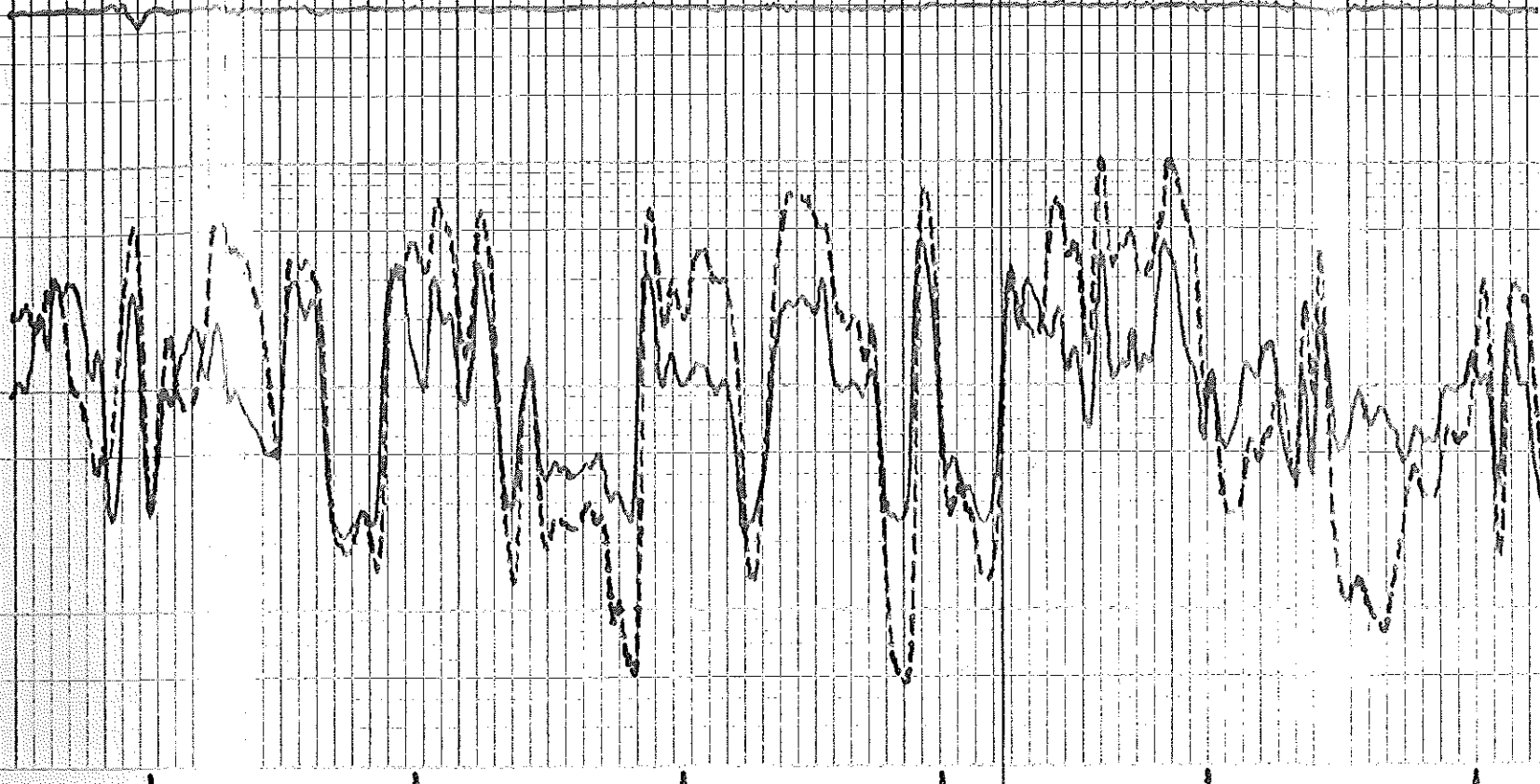
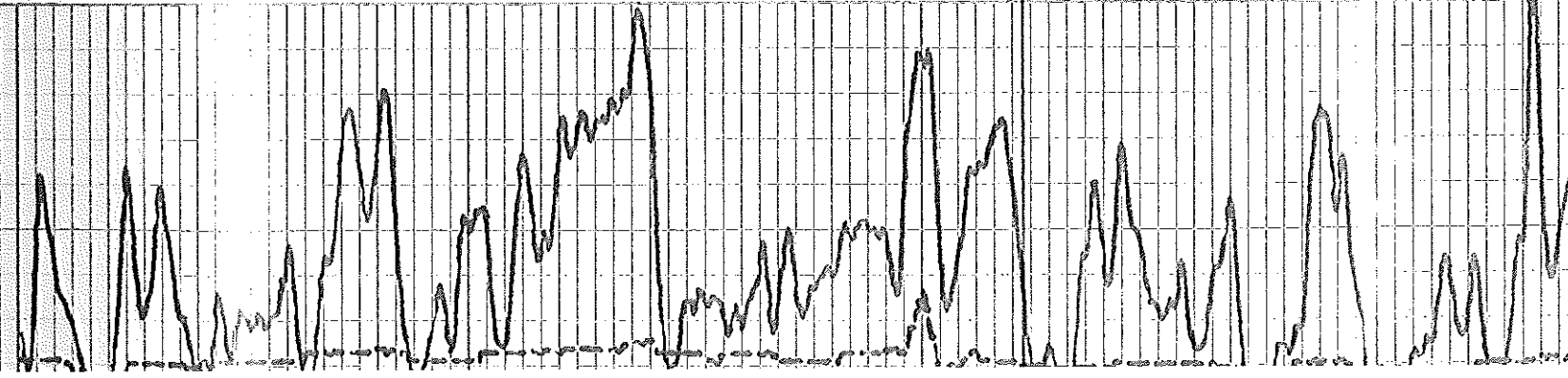
GAMMA RAY  
AP2 INITS

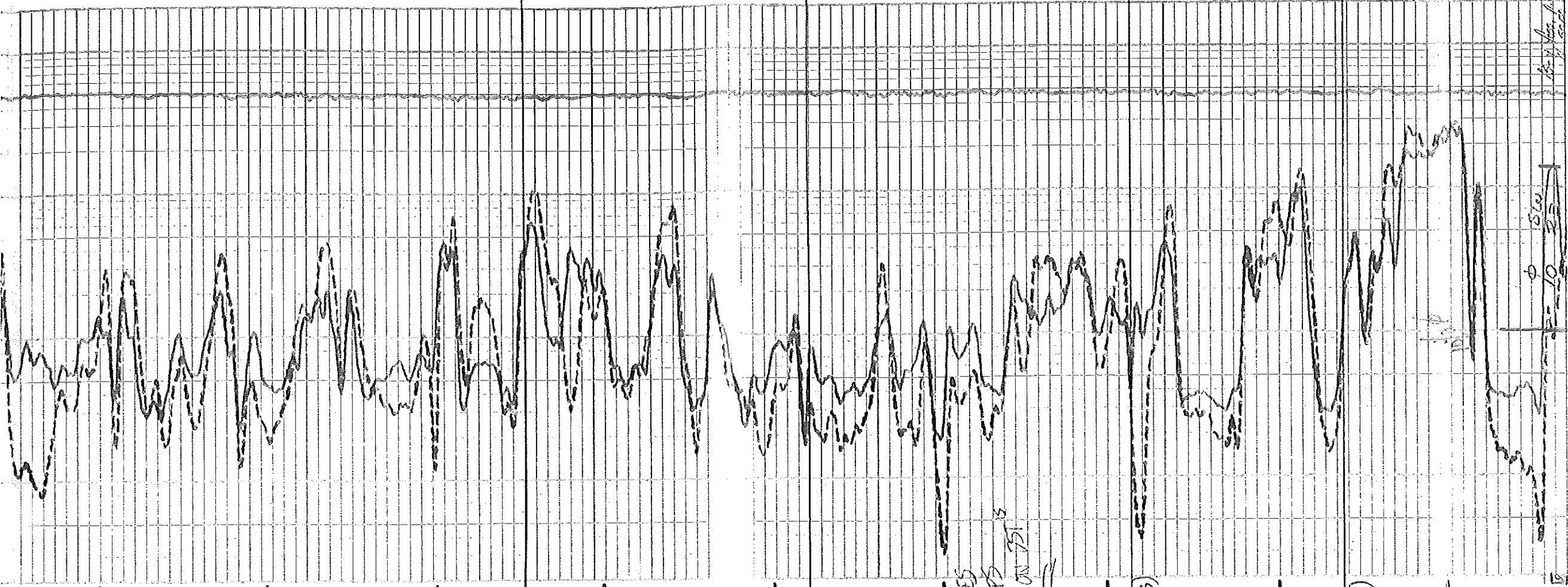
100

500

CALIPER  
INCHES

10





3400

DECOMPA  
3483

3500

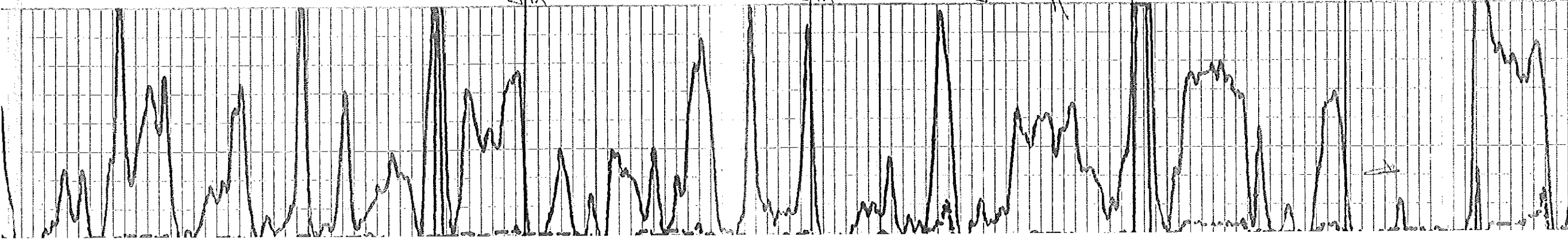
LOG MOVES  
SAMPL TOPS  
UP 2' ON 751

UB  
354A (113)

ICC  
3581 (150)

3600

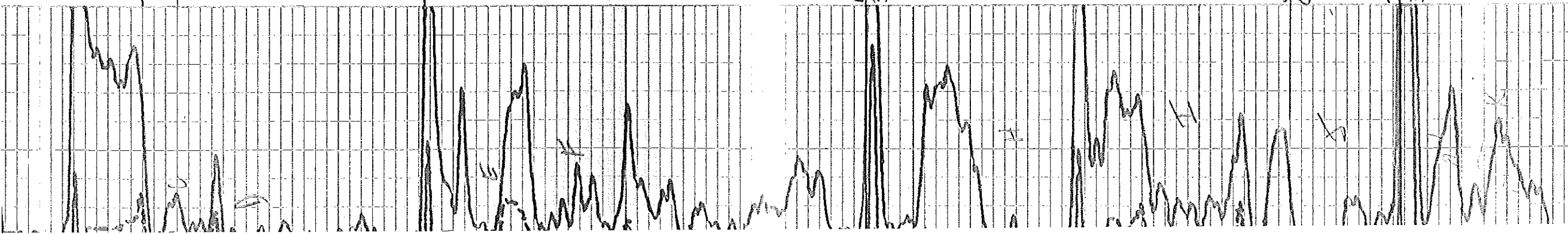
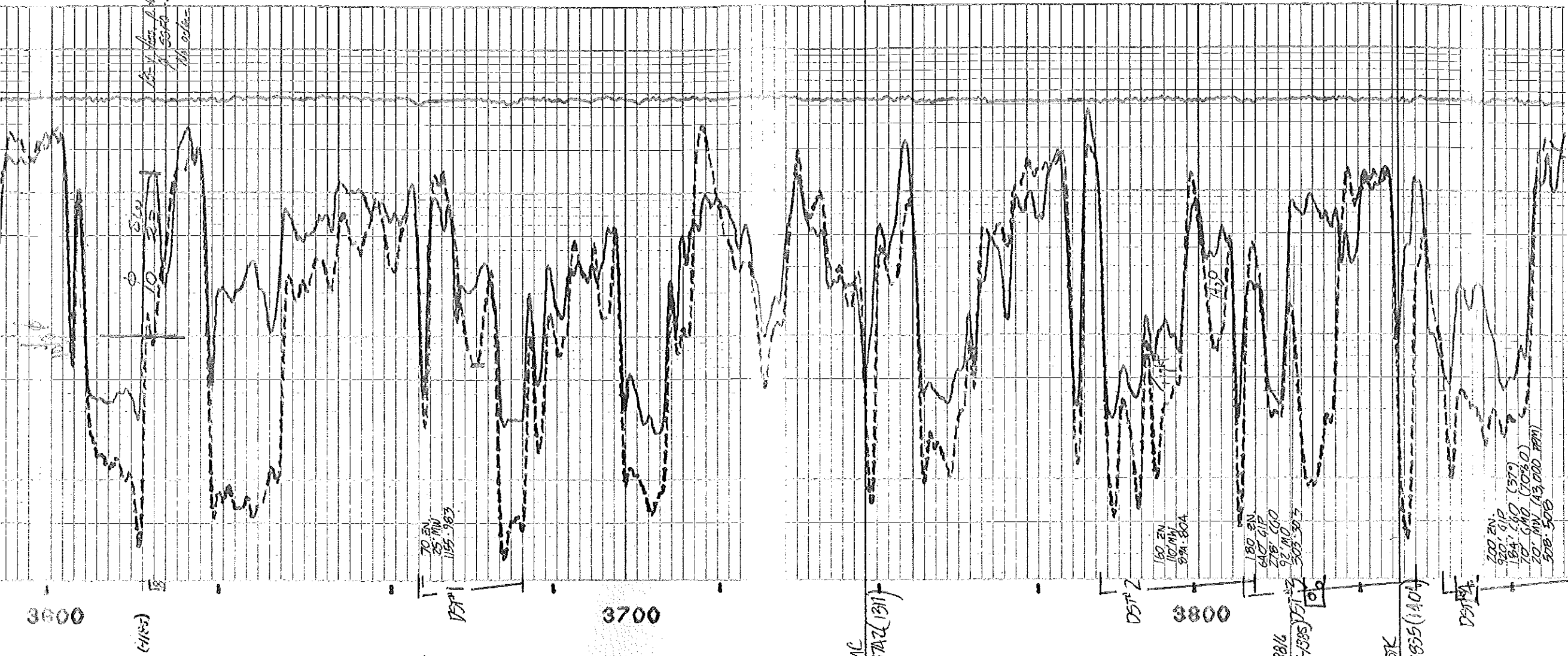
(113)



5.5' Area / Area cost  
1/2 each 5.5' x 1/2

φ 5.00  
10

Mc / Jan / Feb cont  
1 5570 5m up  
No other







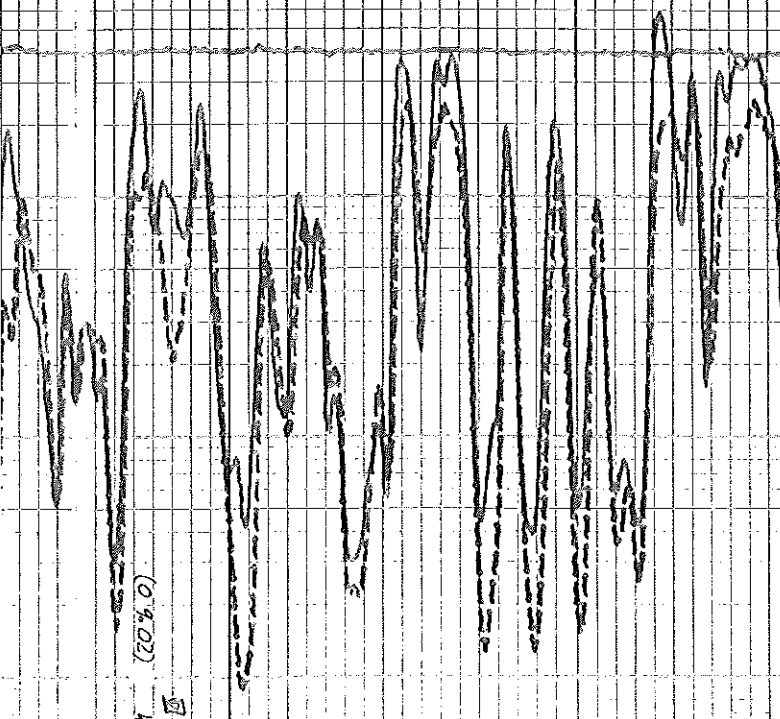
4090 (1659) P.C. 401

4100

FISS GIP  
360' NORM  
50' NORM  
500-800

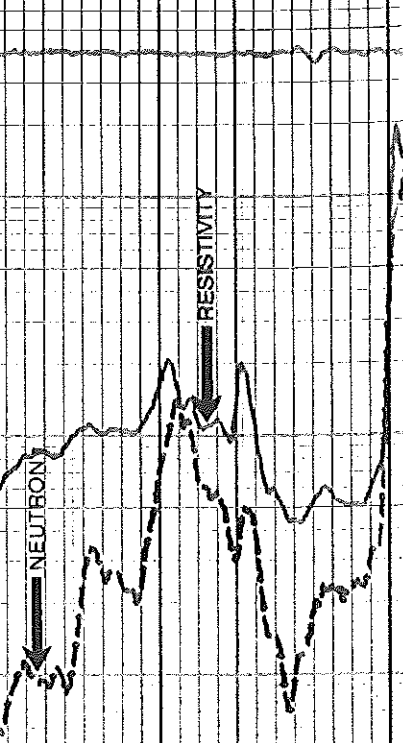
CUK  
4114 (1653)

BOREHOLE VOLUME



CALIPER

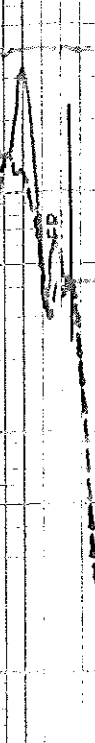
CONCL  
(2'ECT + 50')  
4200



GAMMA RAY

MSS

4216 (1785)



FR  
4235  
FILM

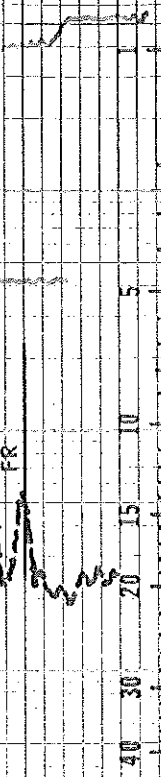
0 CUBIC FEET  
20 CUBIC FEET

40 30 20 15 10 5

POROSIITY LIMESTONE (FLUID FILLED MULE)

SONDE CALIBRATIONS

LOG  
GR 200 / 336  
SEMP 1085 / 2140  
RSTY 1.0 / 1.0



REPEAT SECTION

GAMMA RAY  
API UNITS

150  
300

CALIPER

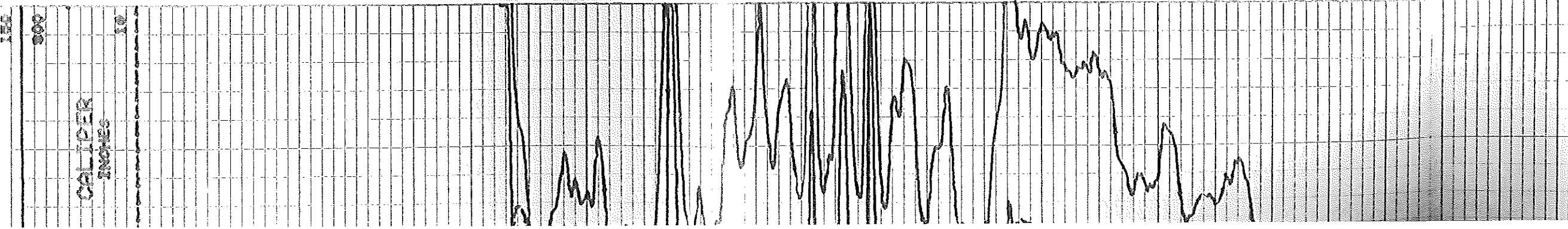
LINE WEIGHT  
POUNDS

4500

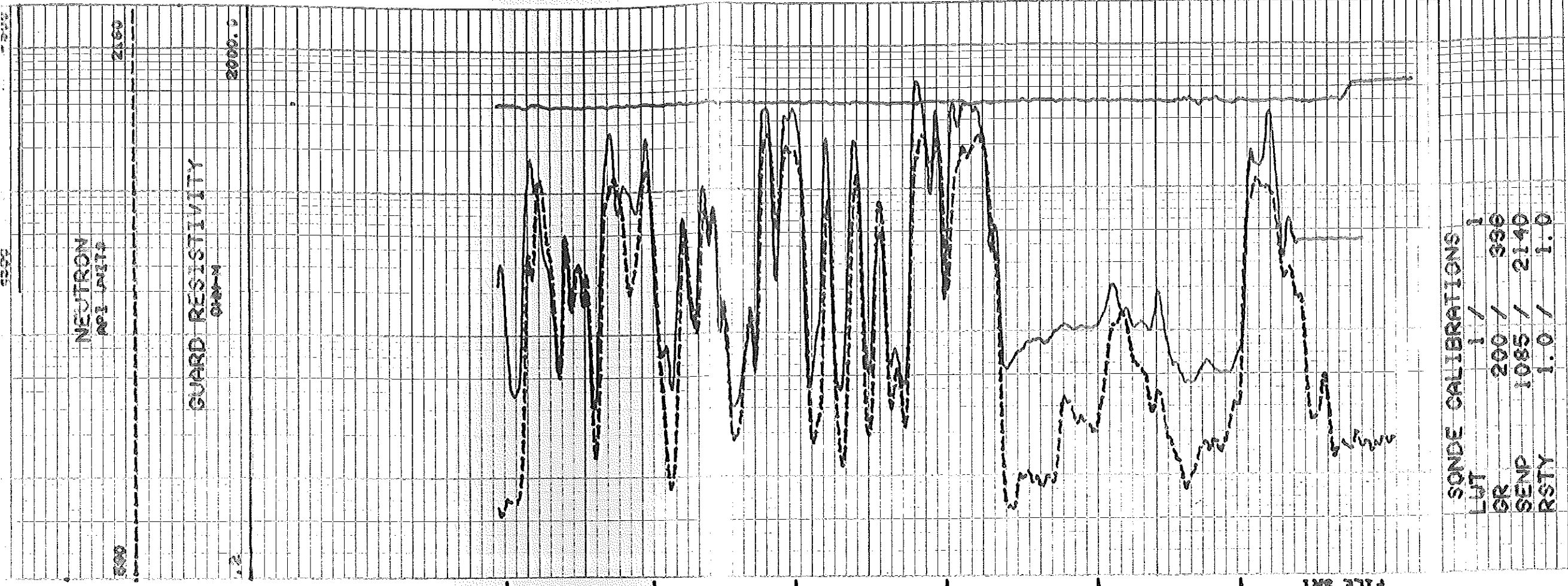
500

NEUTRON

1500  
300  
10  
CALIPER  
INCHES



5000  
2500  
500  
NEUTRON  
API UNITS  
GUARD RESISTIVITY  
OHM-M  
2000.0  
1.2



SONDE CALIBRATIONS  
LUT 1 / 1  
GR 200 / 390  
SENP 1085 / 2140  
RSTY 1.0 / 1.0

4100

4200

FILE 881



SONDE CALIBRATIONS  
 Lut 1 /  
 GR 200 / 336  
 SENP 1085 / 2140  
 RSTY 1.0 / 1.0

GAMMA RAY  
 A.P.I. UNITS

150

300

CALIPER 16"  
 (INCHES)

2 1 10 100 1000

RESISTIVITY

NEUTRON

ANY CHIEF DRILLING Co., INC.

COBERLY "C" No. 1

TON SEC 17-155 - 28W

BY GOME Co., Ks.

Dec 11, 1985

DRILLER T.D. 4235

GREAT GUNS T.D. 4233

GREAT GUNS F.R. 4230