GL02528-DC3

Schlumberger

BOREHOLE COMPENSATED SONIC LOG

COUNTY ADA IDAHO
FIELD WILDCAT
WELL J. N. JAMES #1
COMPANY MICHEL T. HALBOUTY ET AL

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COUNTY ADA STATE IDAHO

LOCATION 510' FEL & 825' FSL

SEC	TWP	RANGE
27	4N	1W

Other Services: 13
DIL
CNL-FDC-GR

Permanent Datum: GL ; Elev.: 2551
Log Measured From KB 20 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 2571
D.F. ----
G.L. 2551

The well name, location and borehole reference data were furnished by the customer.

UNIVERSITY OF UTAH
RESEARCH INSTITUTE
EARTH SCIENCE LAB.

Date	7-10-76		
Run No.	ONE		
Depth Drill.	3961		
Depth Logger (Schl.)	3969		
Btm. Log Interval	3960		
Top Log Interval	760		
Casing Driller	16" @785	@	@
Casing Logger	786		
Bit Size	14-3/4"		
Type Fluid in Hole	LSND		
Dens. / Visc.	8.9 / 47		
pH / Fluid Loss	8.5 / 10.0 ml		ml
Source of Sample	CIRCULATED		
Rm @ Meas. Temp.	4.25 @ 84 F	@ F	@ F
Rmf @ Meas. Temp.	5.54 @ 70 F	@ F	@ F
Rmc @ Meas. Temp.	6.5 @ 84 F	@ F	@ F
Source Rmf / Rmc	M / C		
Rm @ BHT	2.5 @ 142F	@ F	@ F
TIME Circulation Stopped	2200 7-9		
TIME Logger on Bottom	0900 7-10		
Max. Rec. Temp.	148 F	F	F
Equip. / Location	7726 / RS		
Recorded By	PARKS		
Witnessed By Mr.	MOSELEY		

FOLD HERE

Reproduced By
Electrical Log Services
MIDLAND, TEXAS 79701

REFERENCE K 1193Z

13 COMPLETION RECORD

SPUD DATE

COMP DATE

DST RECORD

API NO.

CASING RECORD

PERFORATING RECORD

ACID. FRAC SHOT

I P

GOR GR

T P C P

REMARKS:

Run No.	ONE			
Service Order No.	25160			
Fluid Level	FULL			

EQUIPMENT DATA

Sonic Panel No.	JH-128
Sonic Cart No.	EA-145
Sonic Sonde No.	KB-160
Mem. Panel No.	AC-207
G.R. Cart. No.	---
G.R. Panel No.	AC-207
Caliper No.	D-1293
TTR No.	E-898
Centralizers: No.	2
Type	CME-Z
Standoffs: No.	---
Type	---
Time Const.-Sec.	1
Speed - F.P.M.	60

CALIBRATION DATA

GR	BKG. CPS				
	Source CPS				
	Tc Sec				

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

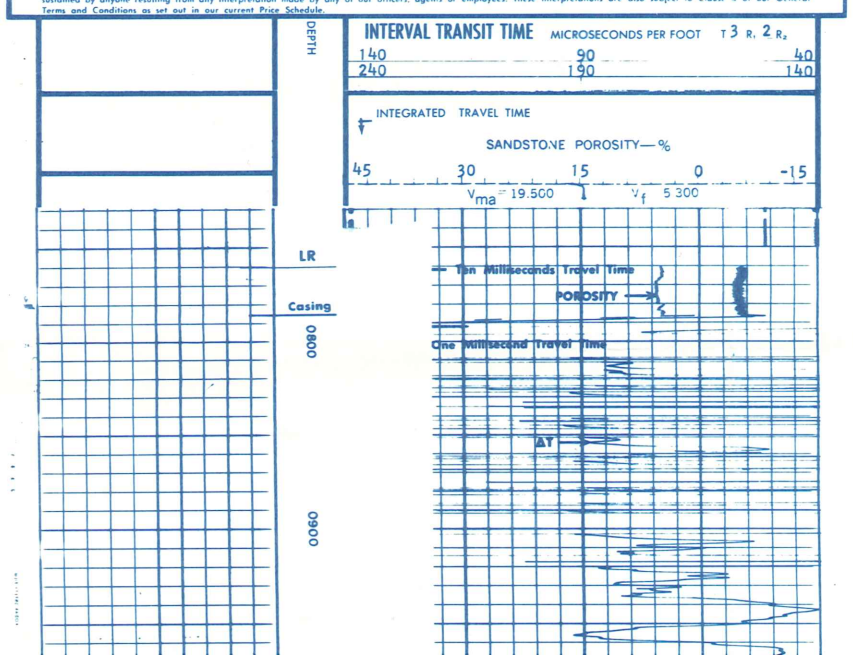
LOGGING DATA

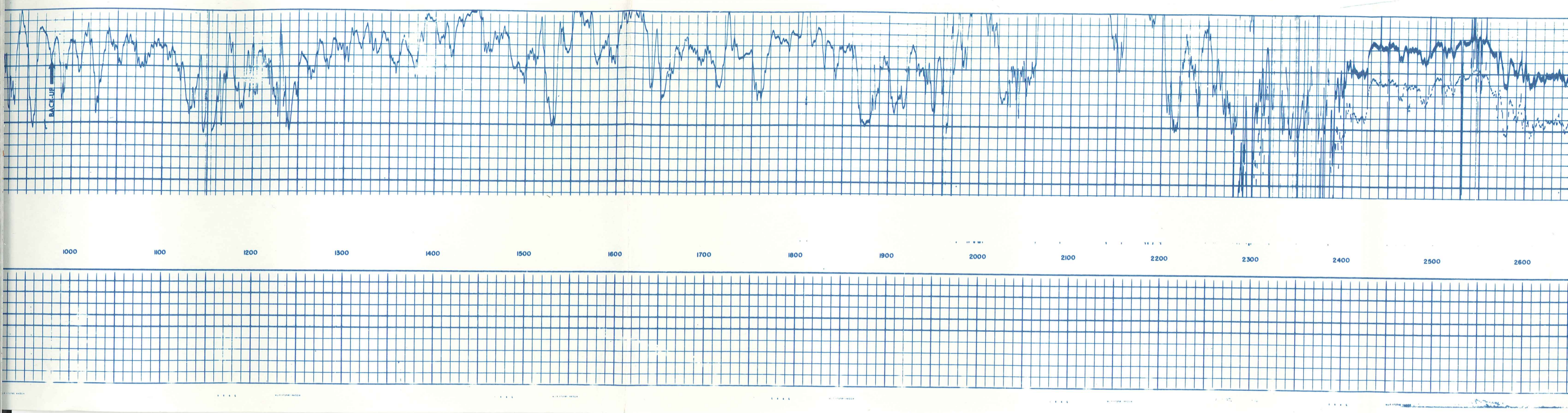
Porosity Selectors				Depth	
Δt_m	Δt_f	Cp	Scale	From	To
51.3	189	1.0	30/TK	760	3960

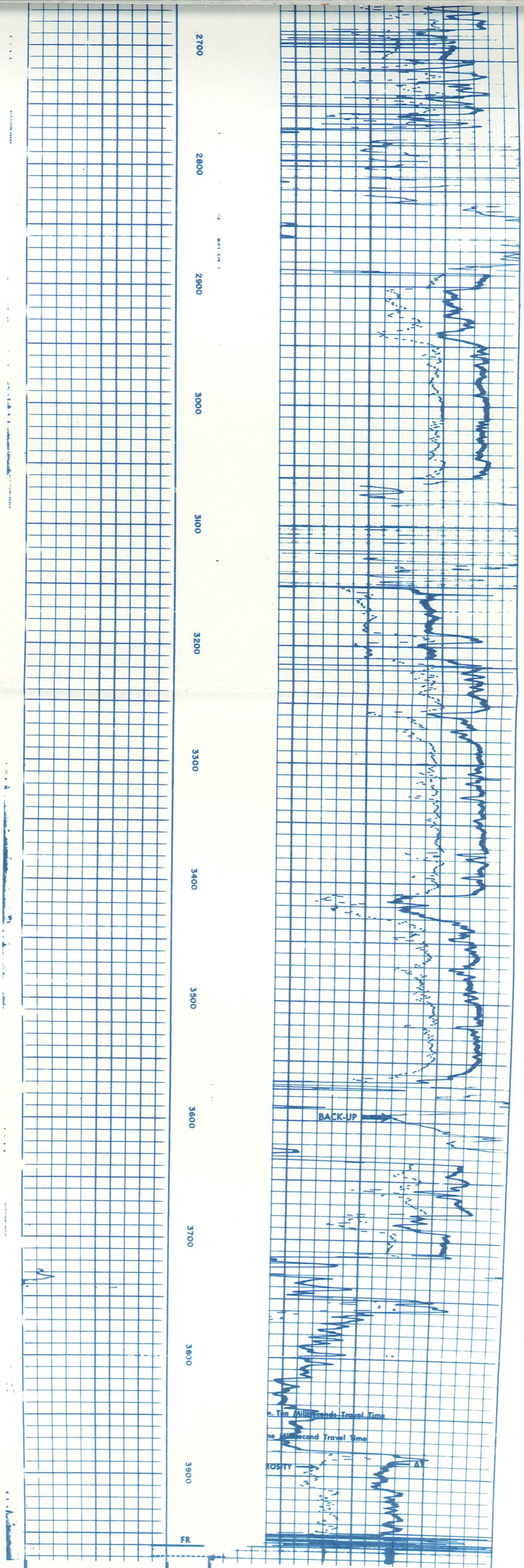
REMARKS
CALIPER DOES NOT READ OVER 14-3/4 INCHES

Velocity (ft sec) 1,000,000
Interval Transit Time (microseconds per foot)

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.




BACKLIP
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600



SANDSTONE POROSITY—%

45 30 15 0 -15

V_{ma} = 19.500 V_f = 5.300

INTERGRATED TRAVEL TIME

DEPTH

INTERVAL TRANSIT TIME MICROSECONDS PER FOOT T 3 R_1 2 R_2

140 90 40

240 190 140

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SCHL. FR 3960

SCHL. TD 3969

DRLR TD 3961

Elev: KB 2571

DF ----

GL 2551

DETAIL LOG

5" 100

DEPTH

INTERVAL TRANSIT TIME MICROSECONDS PER FOOT T 3 R_1 2 R_2

140 90 40

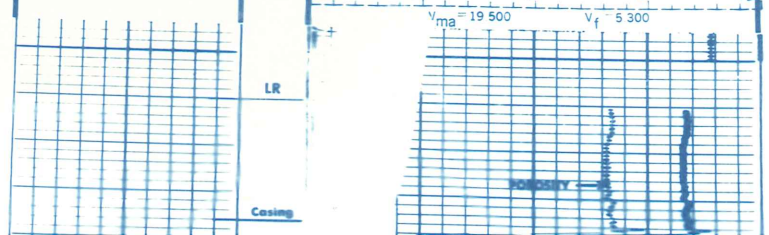
240 190 140

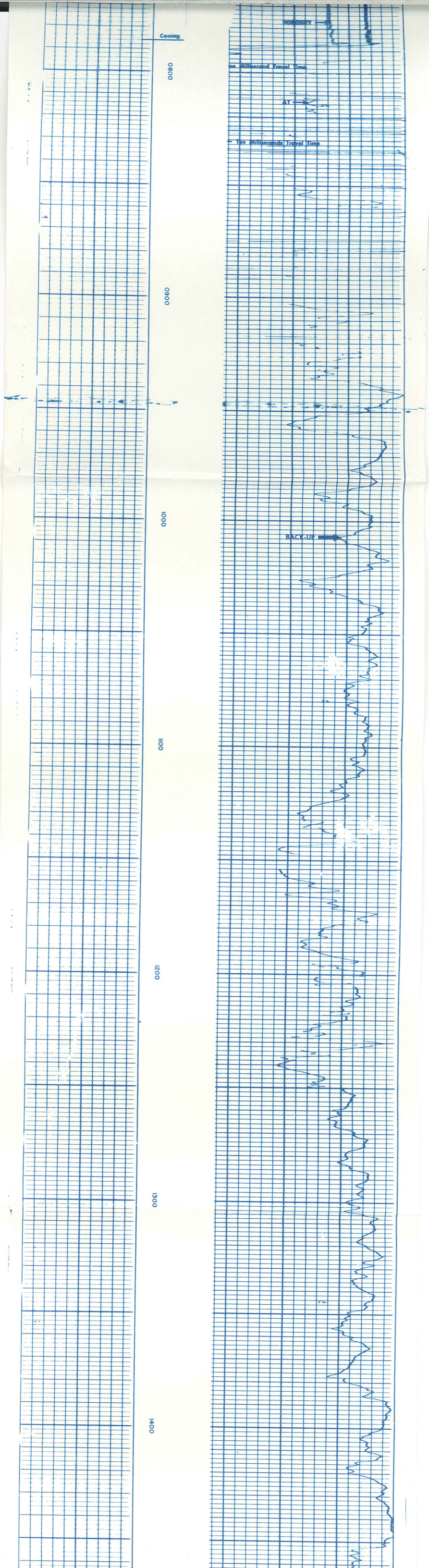
INTERGRATED TRAVEL TIME

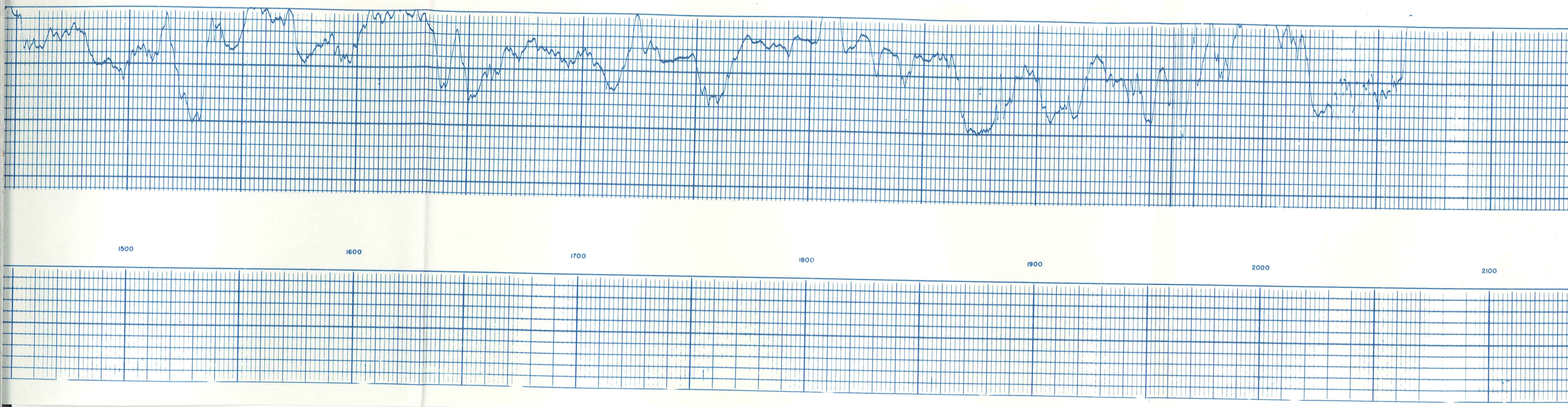
SANDSTONE POROSITY—%

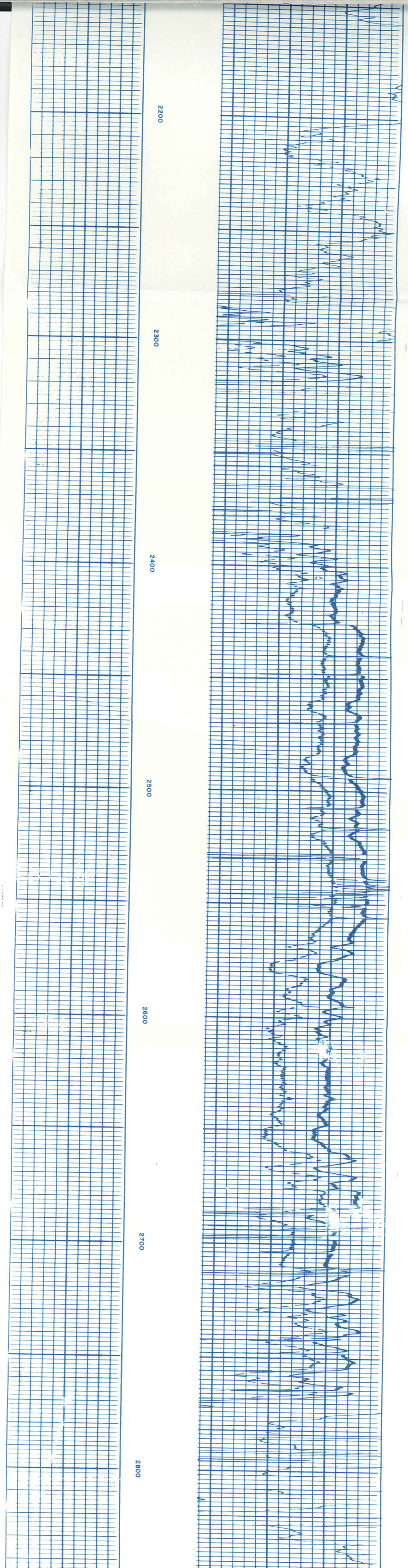
45 30 15 0 -15

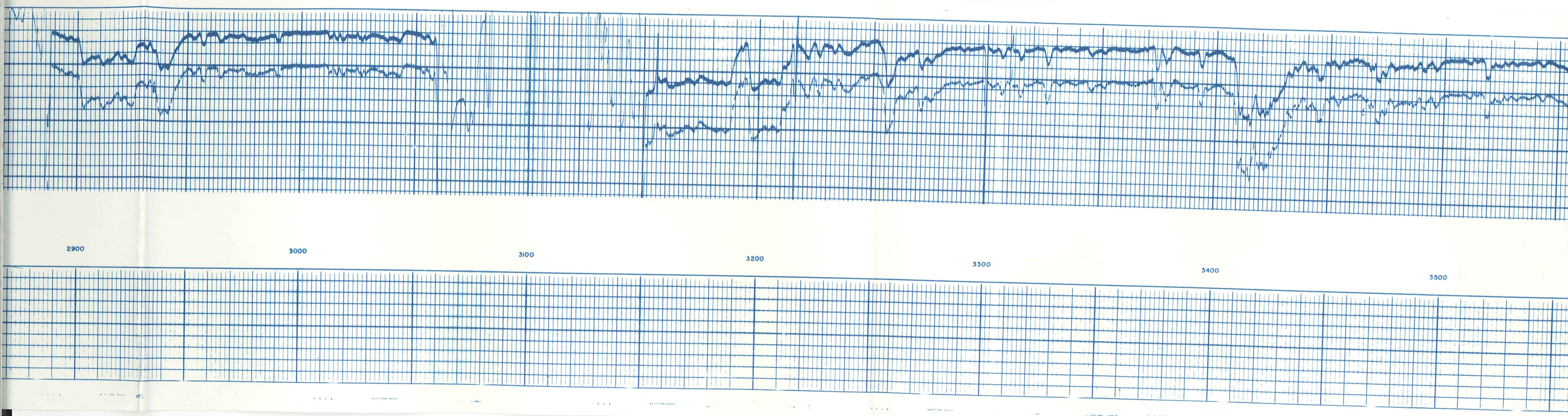
V_{ma} = 19 500 V_f = 5 300

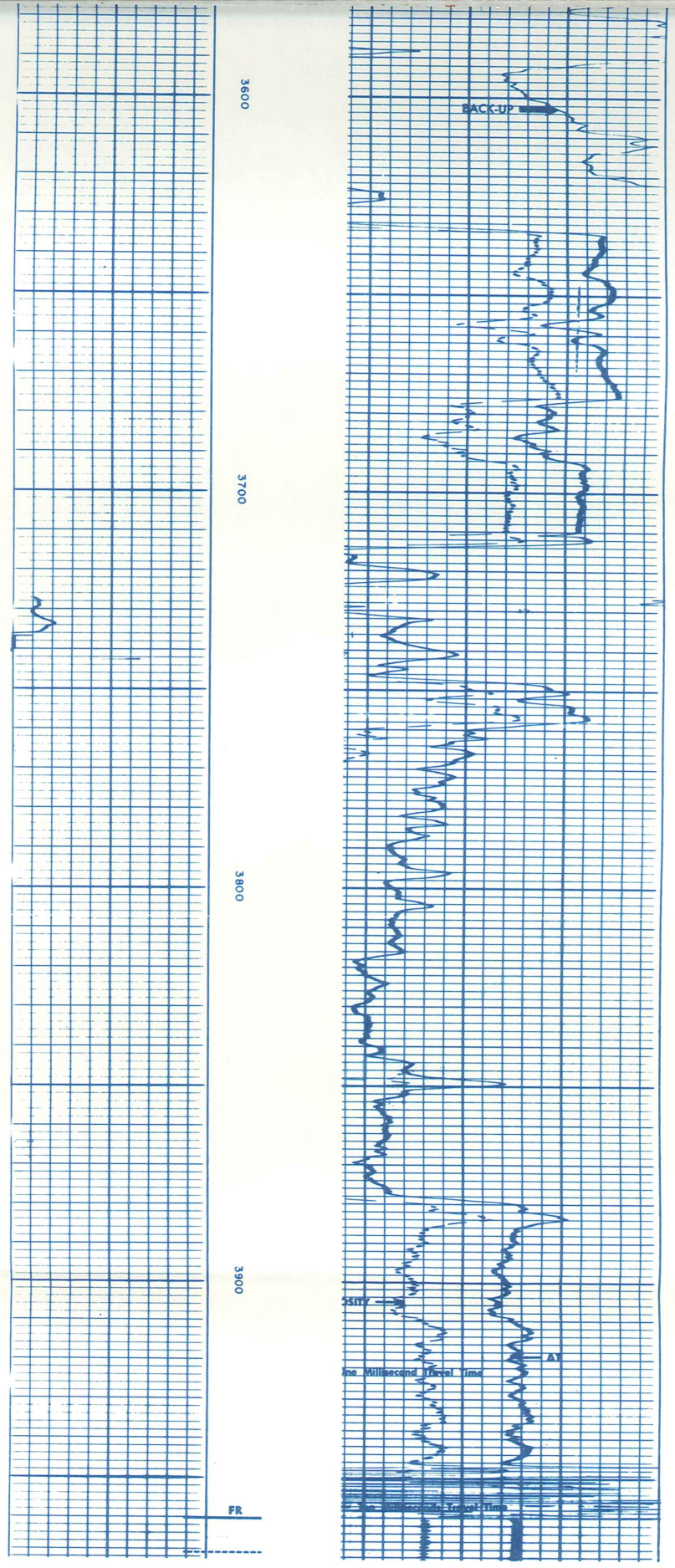


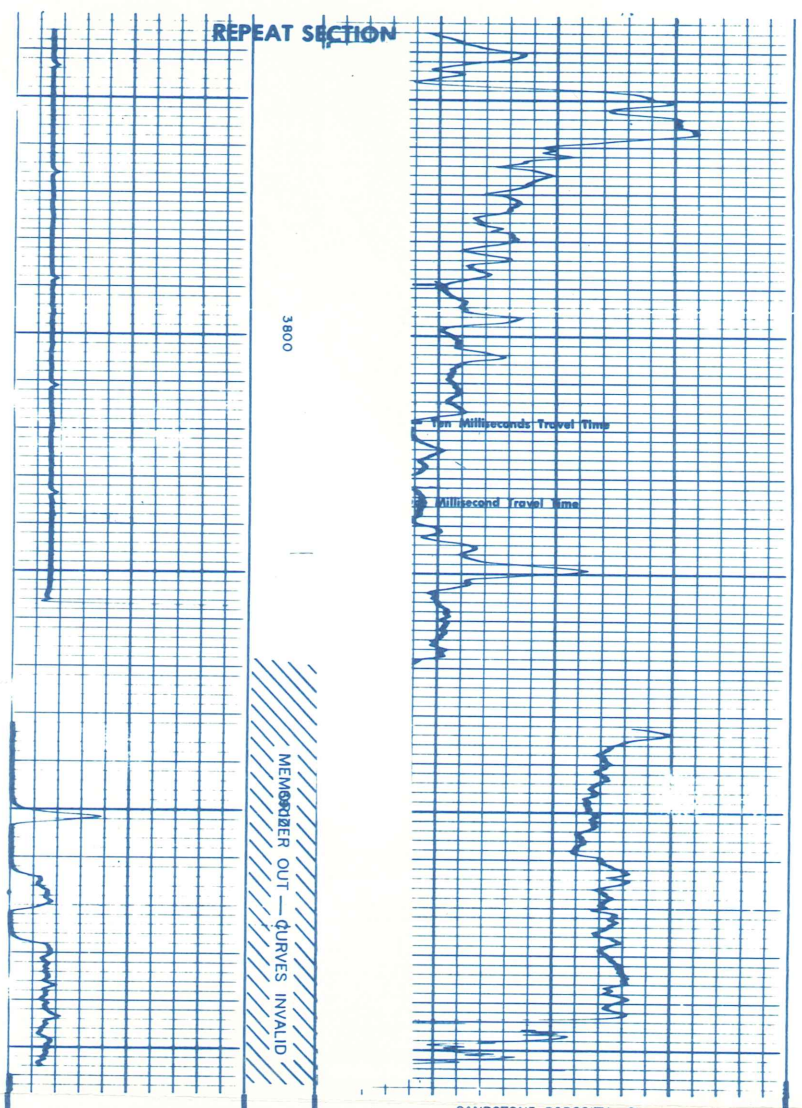

Casing
0800
0900
1000
1100
1200
1300
1400
Ten Milliseconds Travel Time
AT
BACK-UP

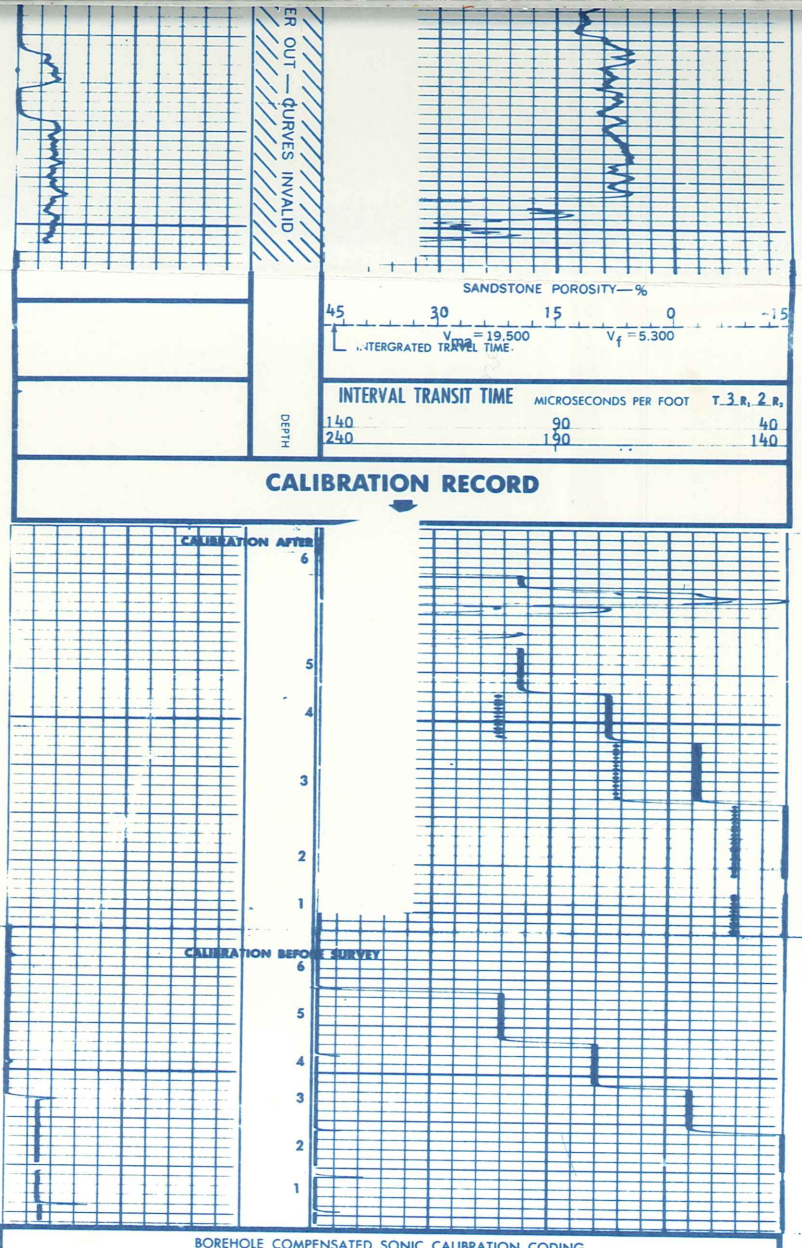

1500
1600
1700
1800
1900
2000
2100


2200
2300
2400
2500
2600
2700
2800


2900
3000
3100
3200
3300
3400
3500
2900
3000
3100
3200
3300
3400
3500


3600
3700
3800
3900
BACK-UP
FR
A1
One Millisecond Travel Time


REPEAT SECTION
3800
Ten Milliseconds Travel Time
One Millisecond Travel Time
MEMORIZER OUT — CURVES INVALID
DEPTH
SANDSTONE POROSITY—%
45
30
15
0
-15
V_{ma} = 19.500
V_f = 5.300
INTERGRATED TRAVEL TIME
INTERVAL TRANSIT TIME
MICROSECONDS PER FOOT
T 3 R, 2 R,
140
90
40
240
190
140



BOREHOLE COMPENSATED SONIC CALIBRATION CODING

1. MECHANICAL ZERO
2. 40 μ SEC FT
3. 60 μ SEC FT
4. 80 μ SEC FT
5. 100 μ SEC FT
6. 140 μ SEC FT

GAMMA RAY CALIBRATION CODING

1. MECHANICAL ZERO
2. ELECTRICAL ZERO
3. RECORDER SENSITIVITY
4. MEMORIZER ADJUSTMENT
5. BACKGROUND
6. CALIBRATION

CALIBRATION RECORD

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