Schlumberger

BOREHOLE COMPENSATED SONIC LOG

VARIABLE DENSITY

COUNTY
FIELD
LOCATION
WELL
COMPANY

COMPANY MONSANTO RESEARCH CORP.
PENNSYLVANIA DER

WELL PRESQUE ISLE STATE PARK #1;EGSP-PA # 3

FIELD WILDCAT

COUNTY ERIE STATE PA.

LOCATION 530'W OF 80°07'37"
4830'S OF 42°10'00"

PERMIT NO. ERI-20846 SEC. TWP RANGE

Other Services:
FDC-CNL-GR
DIL NOISE
FIL
TEMP

Permanent Datum: G. L. ; Elev.: 574
Log Measured From K. B. 4 Ft. Above Perm. Datum
Drilling Measured From K. B.

Elev.: K.B. 578
D.F. -
G.L. 574

Date	10/11/79			
Run No.	ONE			
Depth—Driller	1276			
Depth—Logger (Schl.)	1277			
Btm. Log Interval	1266			
Top Log Interval	300			
Casing—Driller	$8\frac{5}{8}$ @ 295	@	@	@
Casing—Logger	301			
Bit Size	$6\frac{1}{2}$			
Type Fluid in Hole	FRESH WATER			
Dens. | Visc.	8.9 | 36	|	|	|
pH | Fluid Loss	7.0 | 6.8 ml	| ml	| ml	| ml
Source of Sample	NA			
Rm @ Meas. Temp.	-- @ -- °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	-- @ -- °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	-- @ -- °F	@ °F	@ °F	@ °F
Source: Rmf | Rmc	-- | --	|	|	|
Rm @ BHT	-- @ -- °F	@ °F	@ °F	@ °F
TIME Circulation Stopped	2000			
TIME Logger on Bottom	0630			
Max. Rec. Temp.	60EST °F	°F	°F	°F
Equip. | Location	7813 | WOOSTER	|	|	|
Recorded By	BYRD			
Witnessed By Mr.	J. DIXON			

SWS-1384-K

FOLD HERE

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

Run No.	ONE			
Service Order No.	85670			
Fluid Level	FULL			
API SERIAL NO	ERI 20846			

EQUIPMENT DATA				
Sonic Panel No.	SLP - JH	235		
Sonic Cart No.	SLS - NA	1171		
Sonic Sonde No.	SLC			
Mem. Panel No.	VCD			
G.R. Cart. No.				
G.R. Panel No.				
Caliper No.				
TTR No.				
Centralizers: No.				
Type				
Standoffs: No.				
Type				
Time Const.-Sec.				
Speed - F.P.M.				

CALIBRATION DATA					
GR	BKG. CPS	-			
	Source CPS	-			
	Tc Sec	-			

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

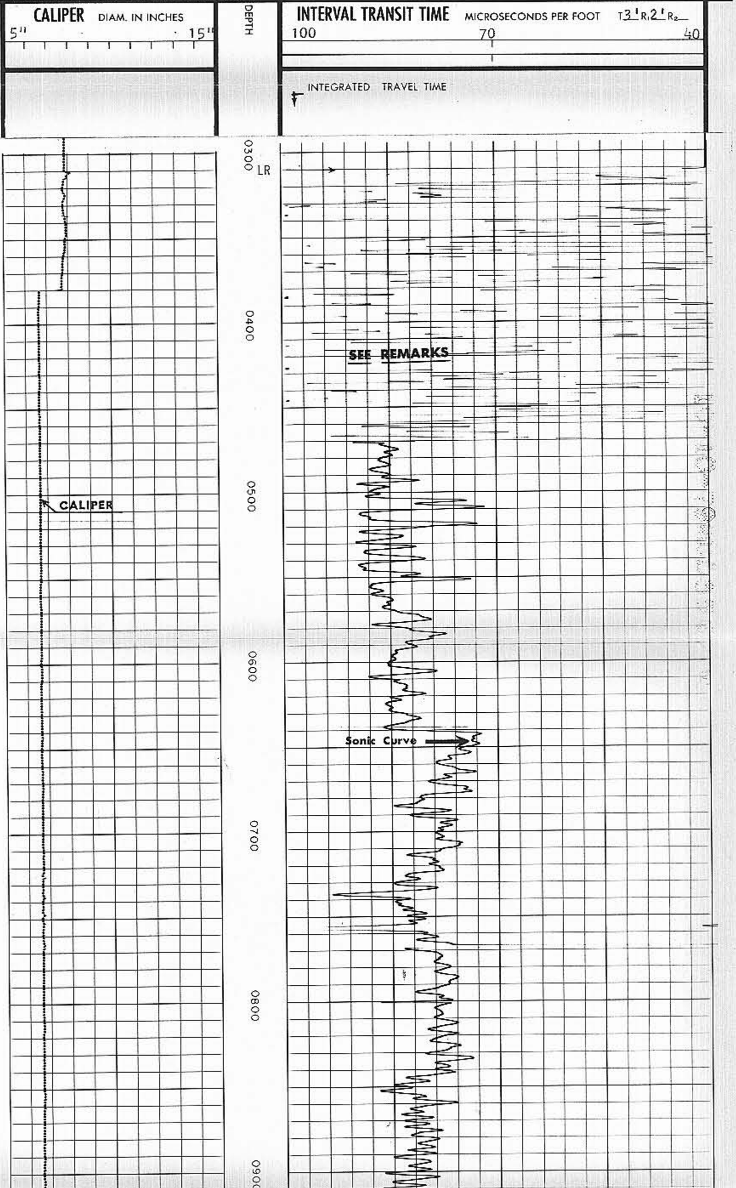
LOGGING DATA

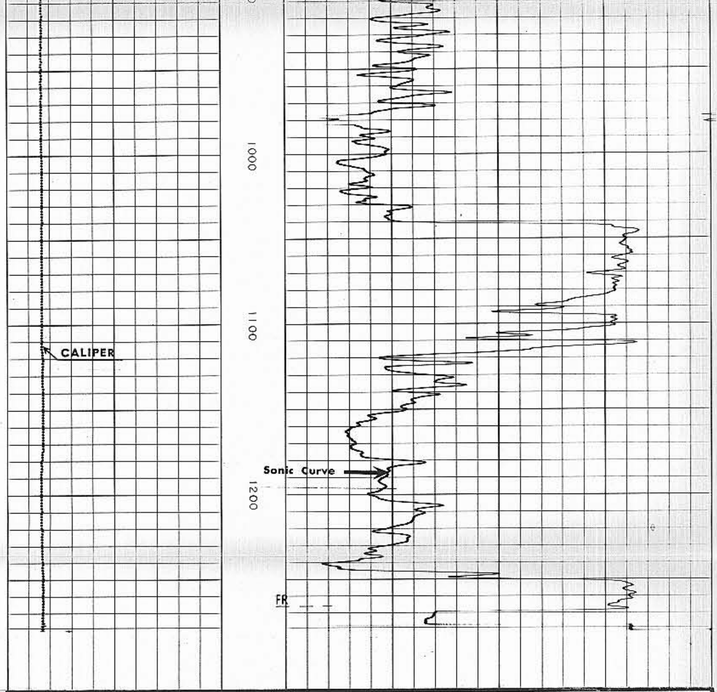
Porosity Selectors				Depth	
Δt_m	Δt_f	Cp	Ø Scale	From	To

REMARKS FORMATION CONDITIONS -NOT FLUID LEVEL- CAUSED THIS LOSS OF SIGINAL - NOTE EXTRA REPEAT SECTIONS.

$$\text{Velocity (ft/sec)} = \frac{1{,}000{,}000}{\text{Interval Transit Time (microseconds per foot)}}$$

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.





DETAIL LOG

5″ = 100′

DEPTHS

INTERVAL TRANSIT TIME

MICROSECONDS PER FOOT

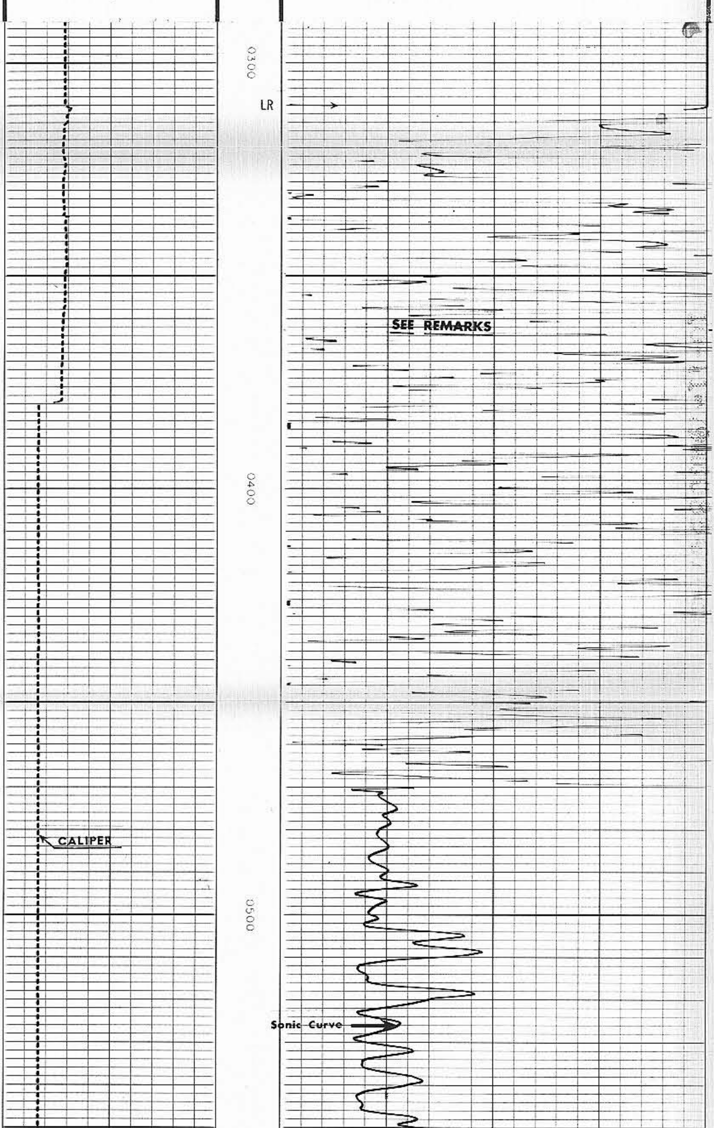
T 3′ R_1 2′ R_2

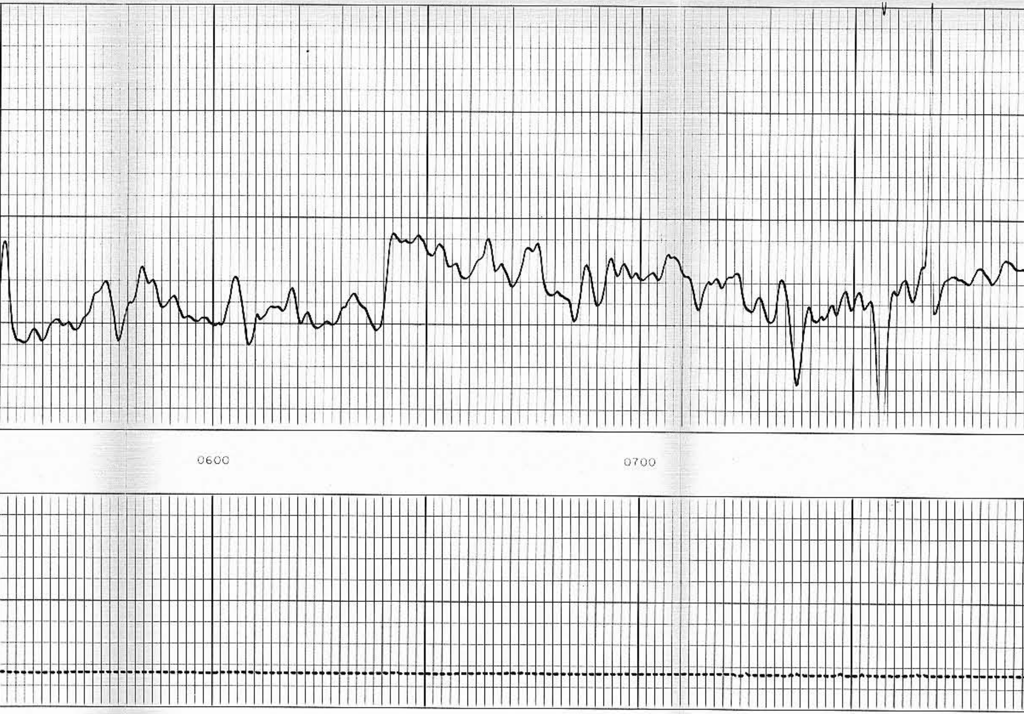
100 70 40

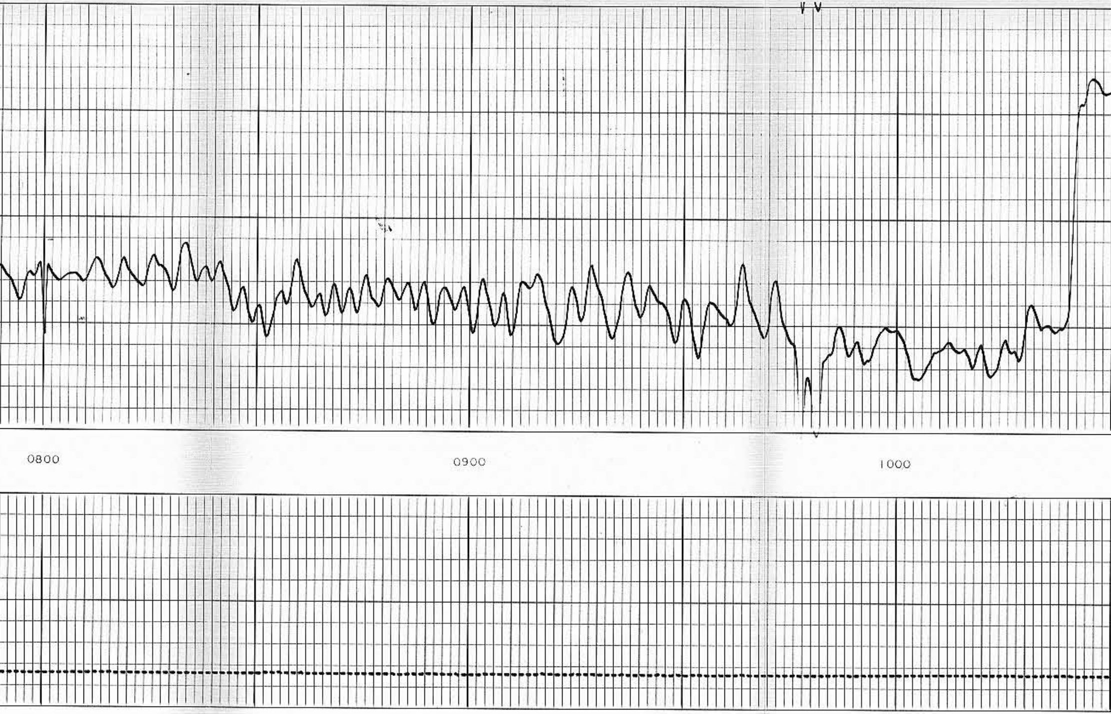
CALIPER

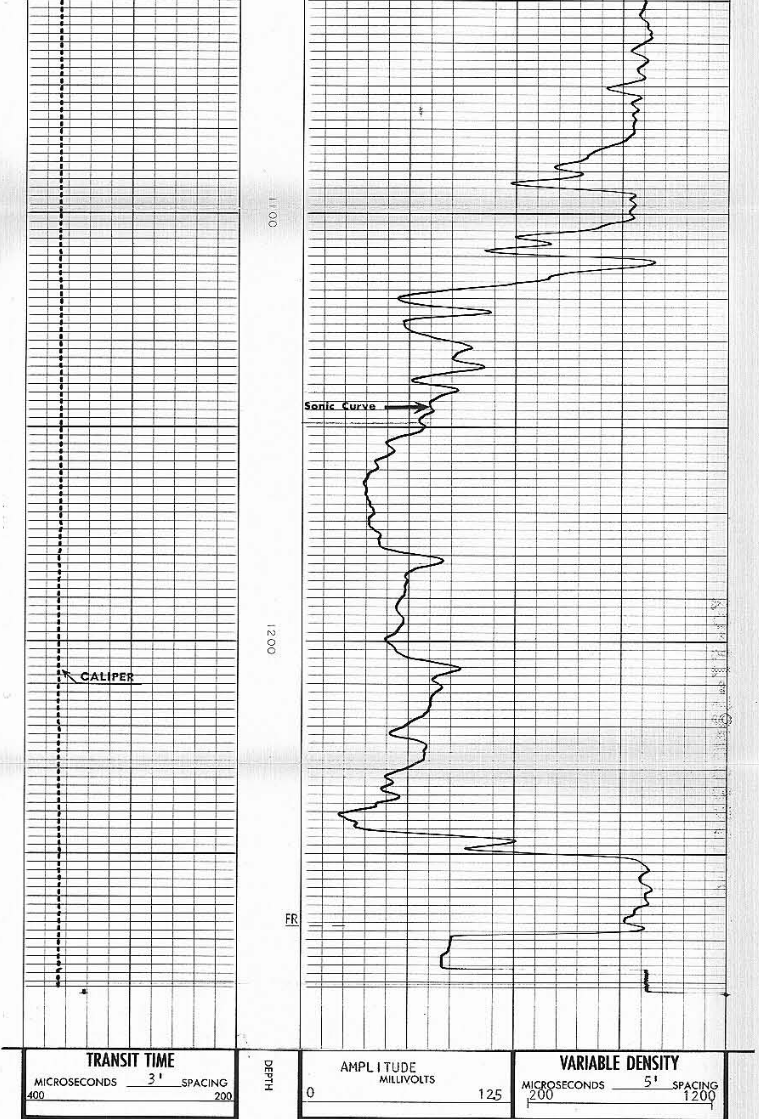
HOLE DIAM. IN INCHES

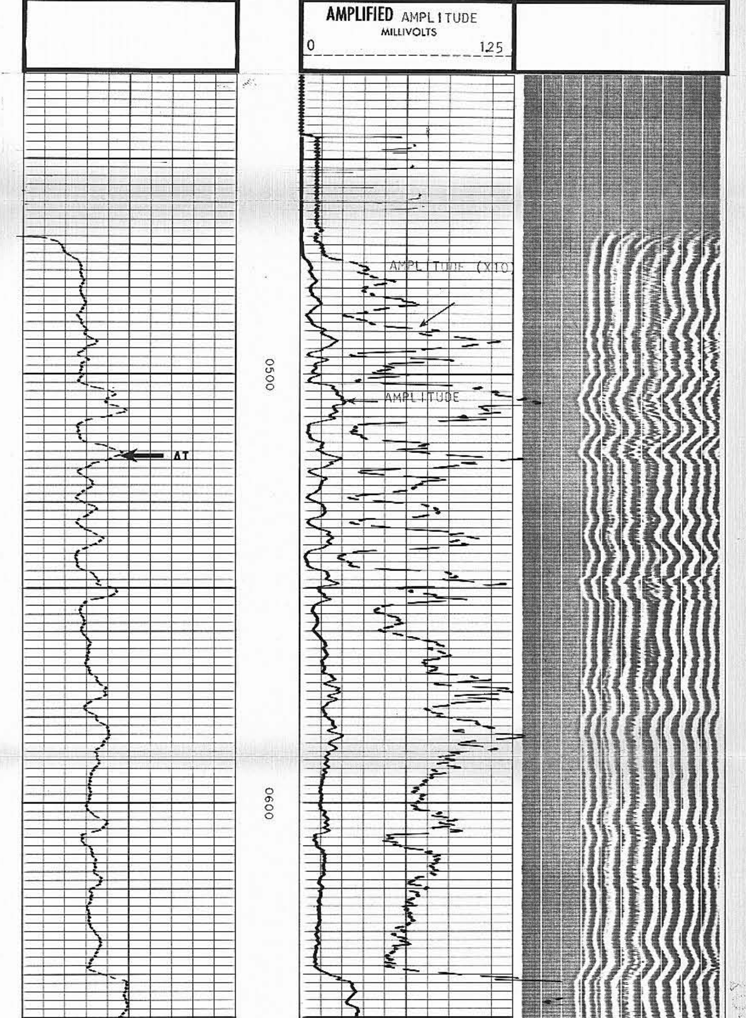
5″ 15″

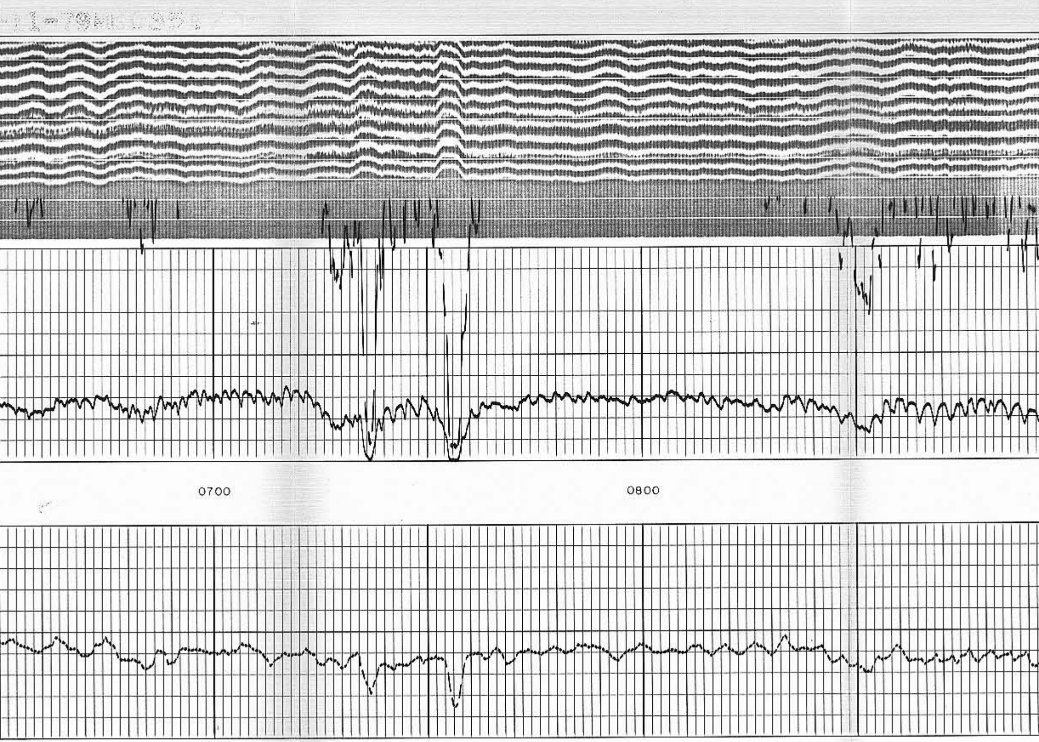


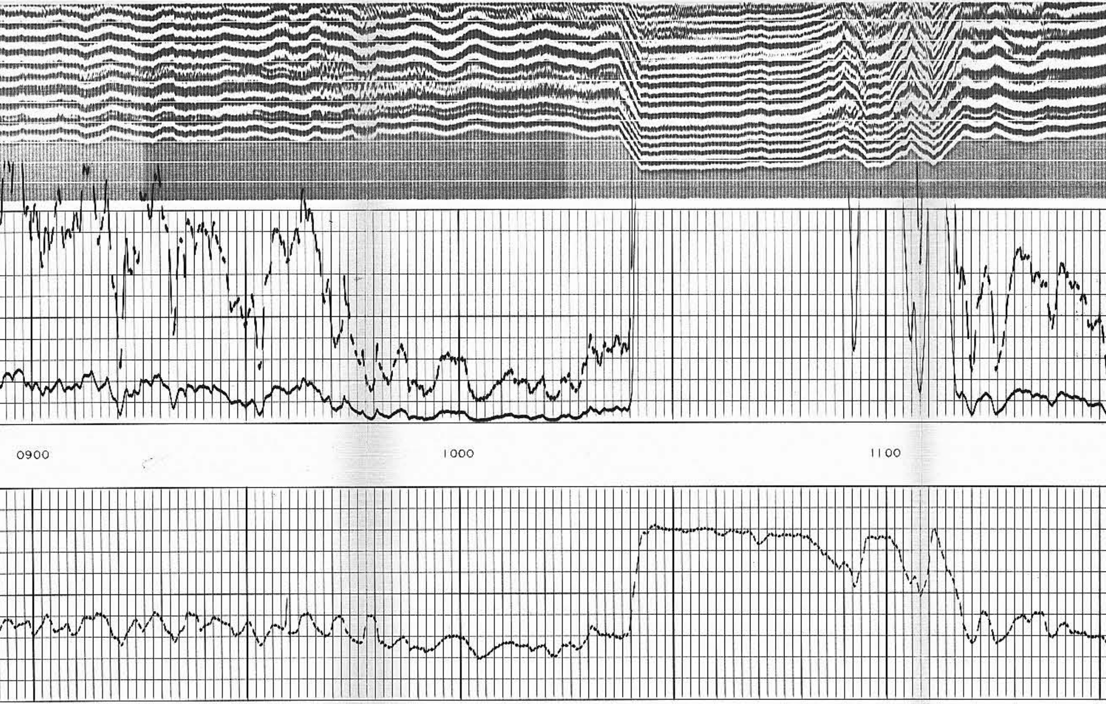


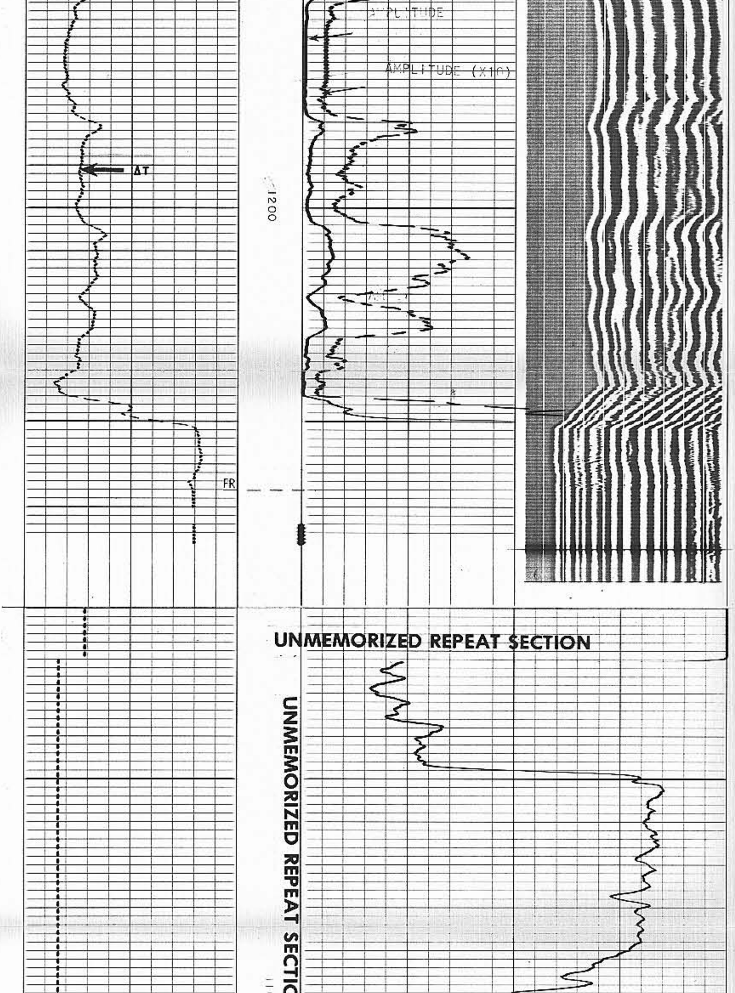


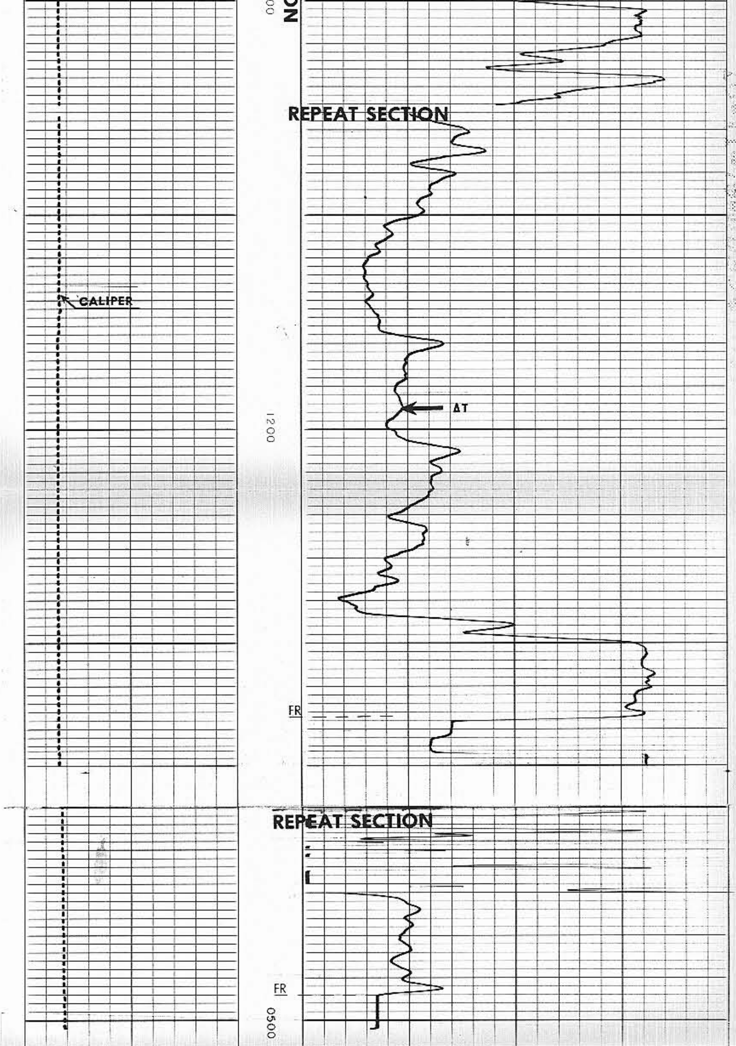


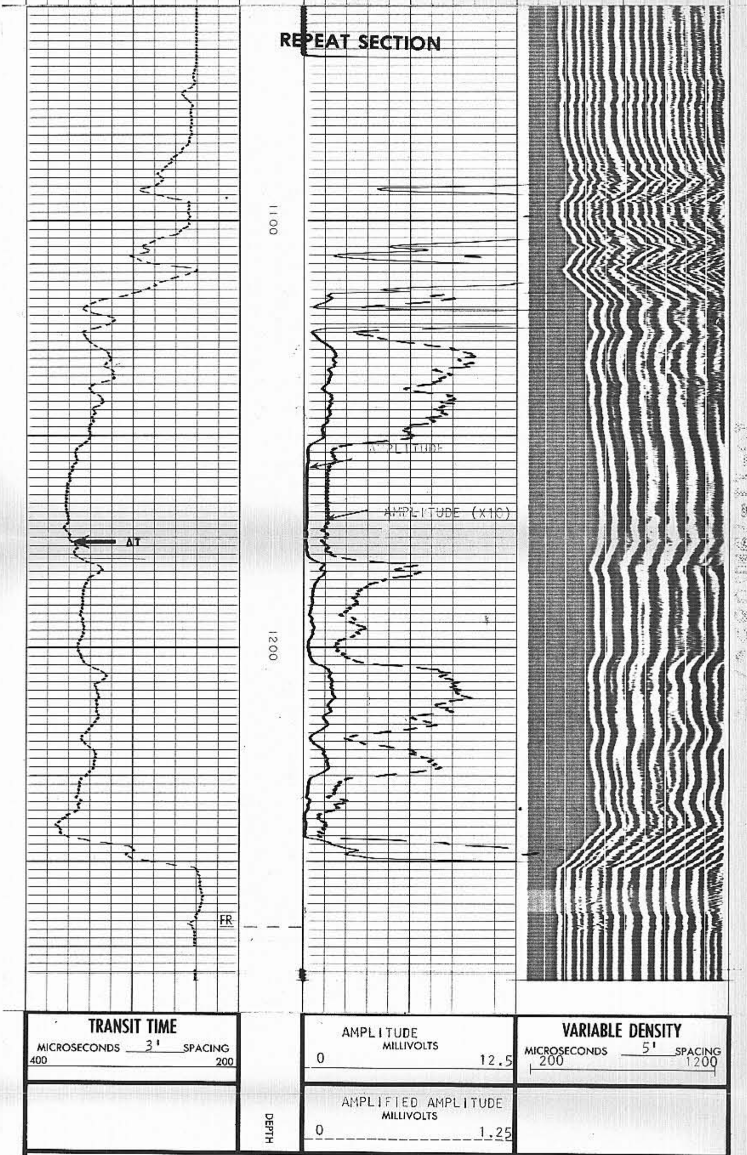












COMPANY MONSANTO RESEARCH CORP., PENNSYLVANIA DER

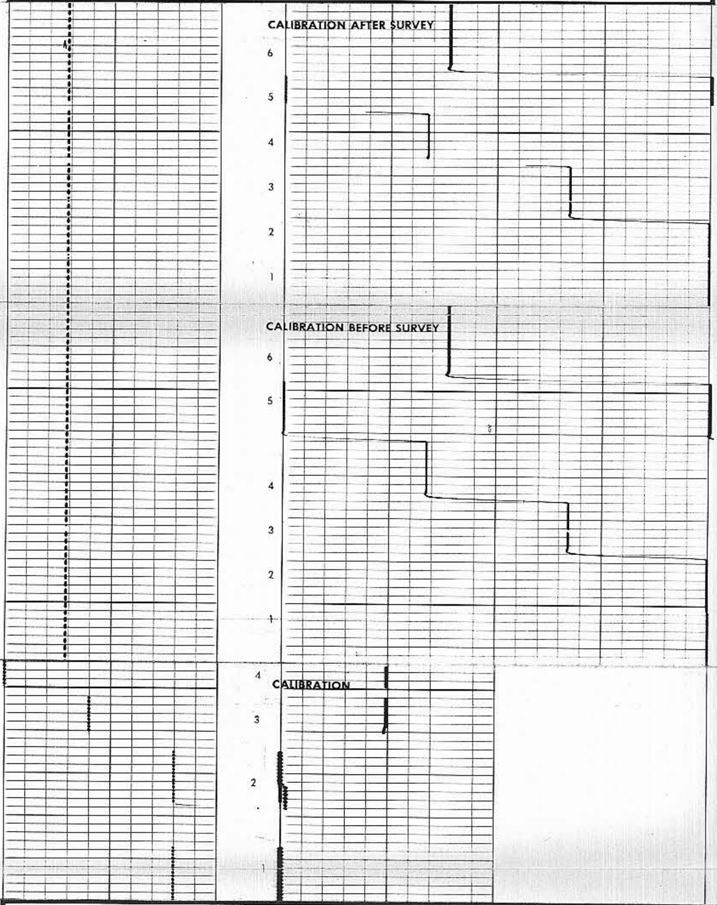
WELL PRESQUE ISLE STATE PARK#1;EGSP-PA#3

FIELD WILDCAT

COUNTY ERIE STATE PENNSYLVANIA

SCHL. FR 1266
SCHL. TD 1277
DRLR TD 1276
Elev:
KB 578
DF =
GL 574

CALIBRATION RECORD



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

CEMENT BOND CALIBRATION CODING

	TRANSIT TIME	AMPLITUDE
1.	MECHANICAL ZERO	MECHANICAL ZERO
2.	200 μ sec	ELECTRICAL ZERO
3.	320 μ sec	CALIBRATE 50 MV (SLP-J SERIES)
4.	400 μ sec	CALIBRATE 50 MV