COUNTY LAKE 2/40S/20E
FIELD or LOCATION THOMAS CREEK AREA
WELL D. J. LEAVITT NO. 1
COMPANY HUMBLE OIL AND REFINING COMPANY

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS

Sonic Log

COMPANY	HUMBLE OIL AND REFINING COMPANY
WELL	D. J. LEAVITT NO. 1 Leavitt 1
FIELD	THOMAS CREEK AREA
LOCATION	2 / 40S / 20E
COUNTY	LAKE
STATE	OREGON

Other Surveys
SL(1-ES,GRN,CDMP)
2 INCH SCALE

Location of Well

Elevation: K.B.: 4796
D.F.:
or G.L.: 4783

Log Depths Measured From K.B. 13 Ft. above G.L.

RUN No.	ONE			TWO					
Date	12/18/60			2/18/61					
First Reading	1195			9559					
Last Reading	50			1195					
Feet Measured	1145			8364					
Csg. Schlum.	50			-					
Csg. Driller	50			712					
Depth Reached	1199			9563					
Bottom Driller	1199			9579					
Mud Nat.	GEL.			GEL.					
Dens. | Visc.	73.5	52		75	48				
Mud Resist.	8.8	@ 82	°F	4.2	@ 71	°F		@	°F
" Res. BHT	6.8	@ 108	°F	1.0	@ 295	°F		@	°F
" pH	8	@ 82	°F	9	@ 71	°F		@	°F
" Wtr. Loss	-	CC 30 min		-	CC 30 min			CC 30 min	
" Rmf(C)	-	@ -	°F	0.75	@ 295	°F		@	°F
Bit Size	REMARKS			REMARKS					
Spacing:									
T 3'R.3'R₂	1195	To 50			To			To	
T 3'R.1'R₂		To		9559	To 1195			To	
Opr. Rig Time	1 1/2 HOUR			5 1/2 HOURS					
Truck No.	1510 SAC			2507 SAC					
Recorded By	CAGLE			PARKS					
Witness	THOMAS			THOMAS					

FOLD HERE

REMARKS

VLC No.:	B 78	B 42
VLS No.:	B 33	B 48
VLP No.:	A 14	B 78
VIP NO:	B 195	X 14
RUN NO.	ONE	TWO

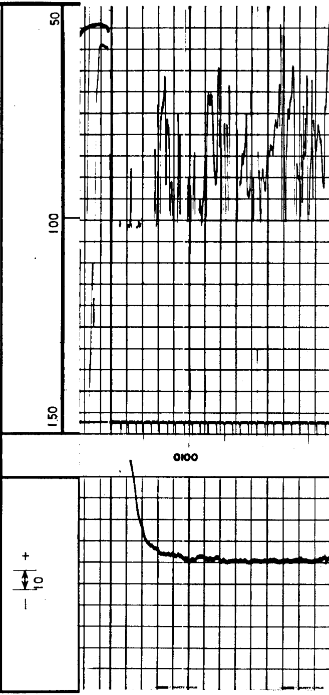
BIT SIZE: RUN 1: 12 1/4" TO 713
10 5/8" TO T.D.
RUN 2: 10 5/8" TO 8887
9 7/8" TO 9576
7 7/8" TO 9579

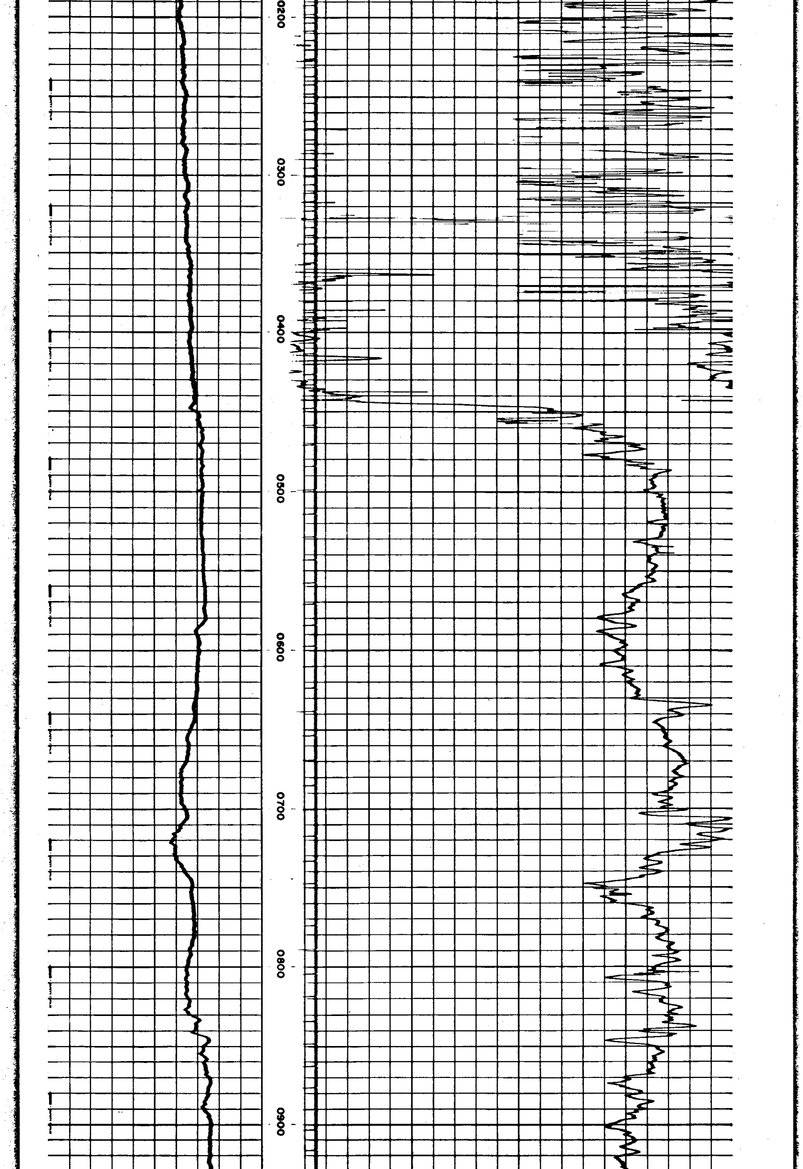
Velocity (feet per second) = 1,000,000 / Interval Transit Time (microseconds per foot)

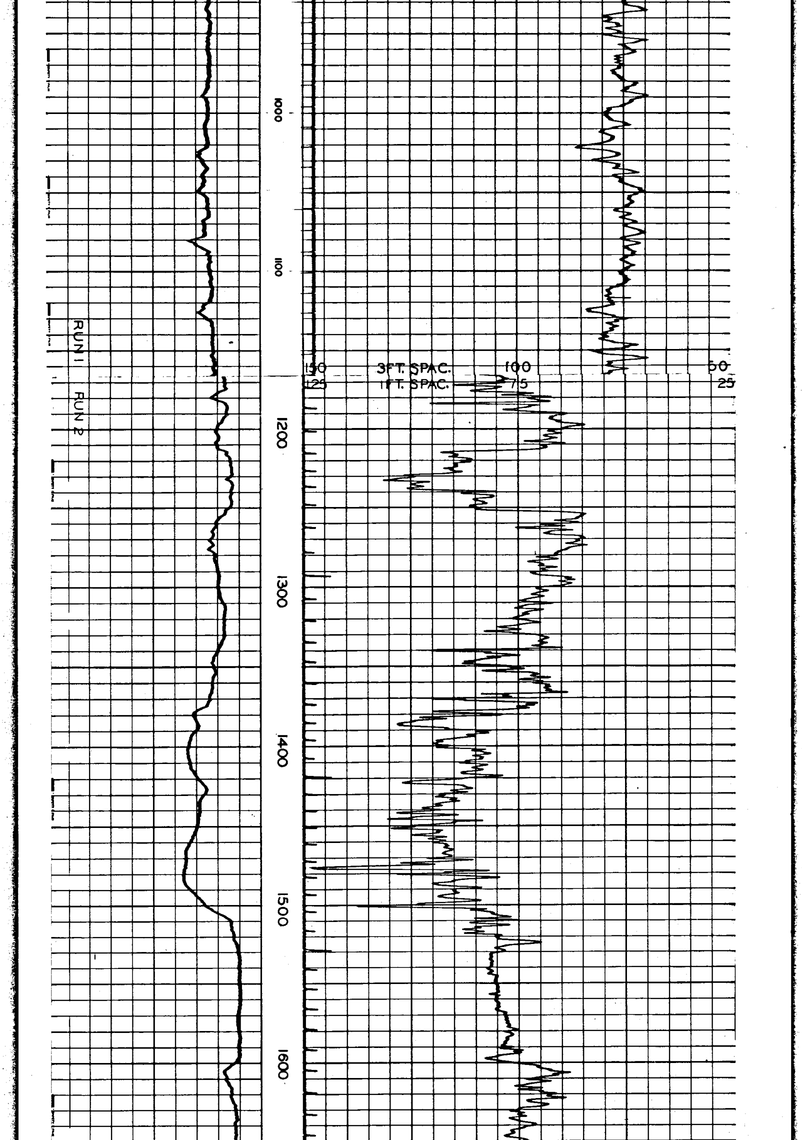
SPONTANEOUS-POTENTIAL millivolts

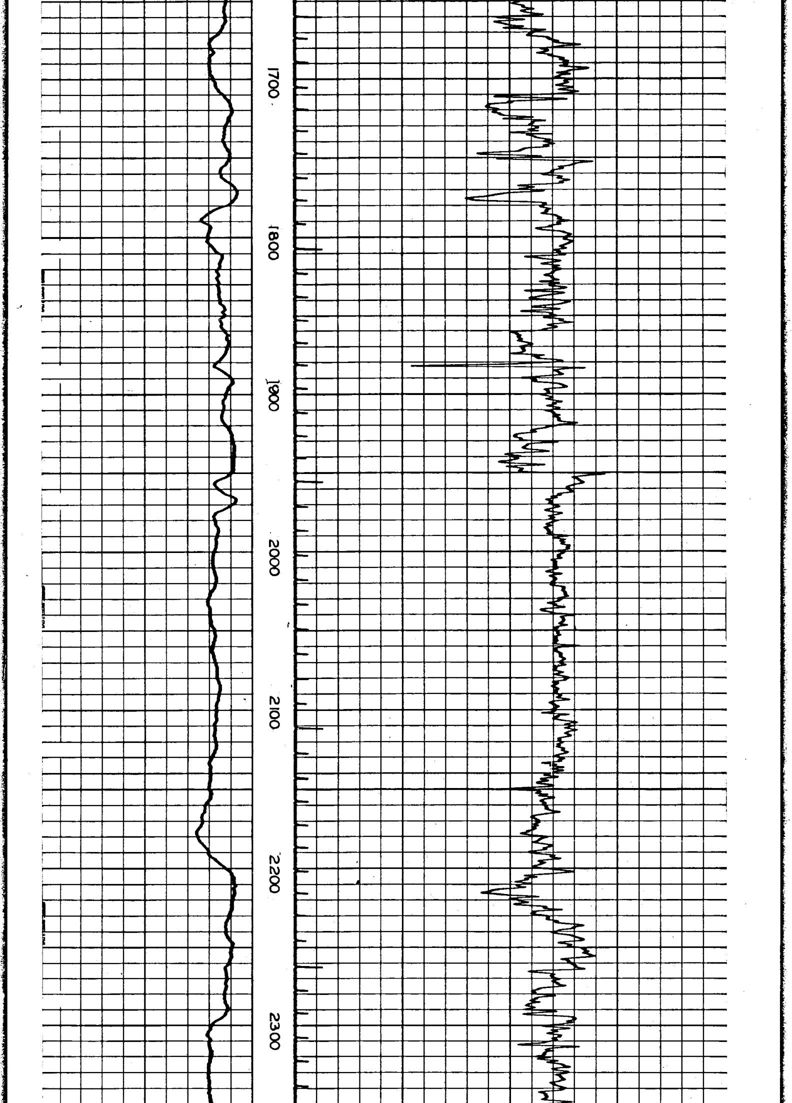
DEPTHS

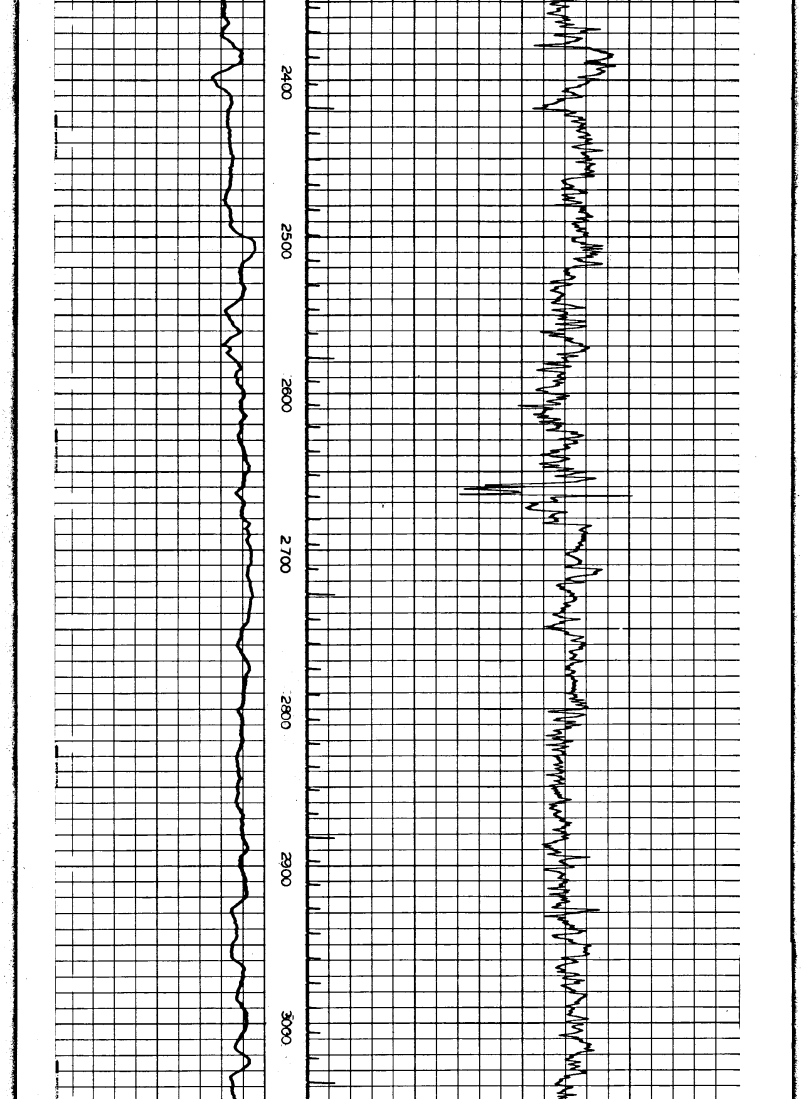
INTERVAL TRANSIT TIME microseconds per foot ← Increases T3'R₁ 3'R₂

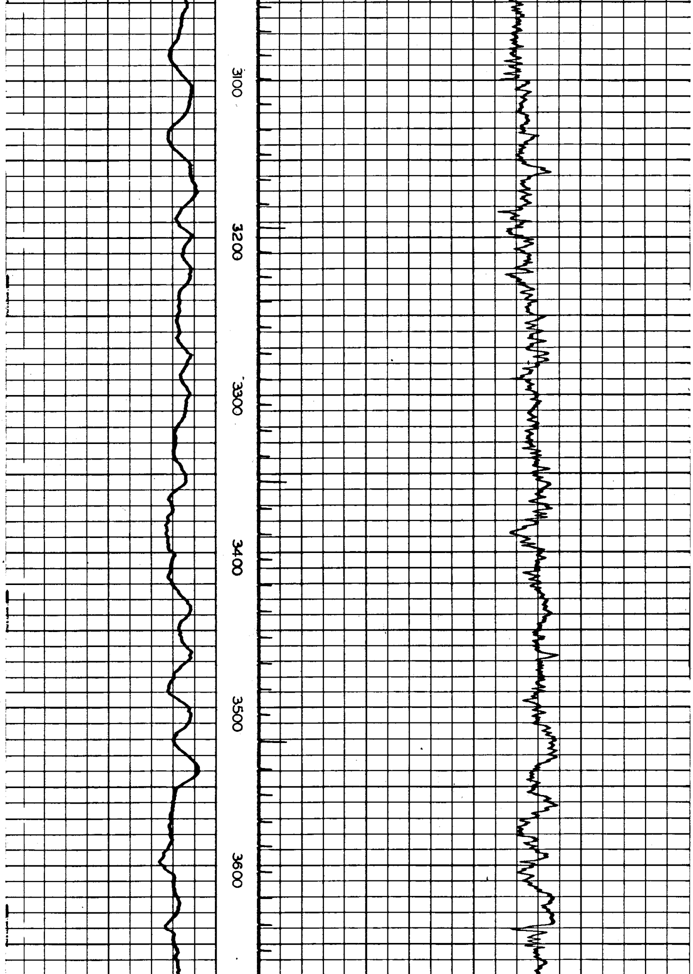


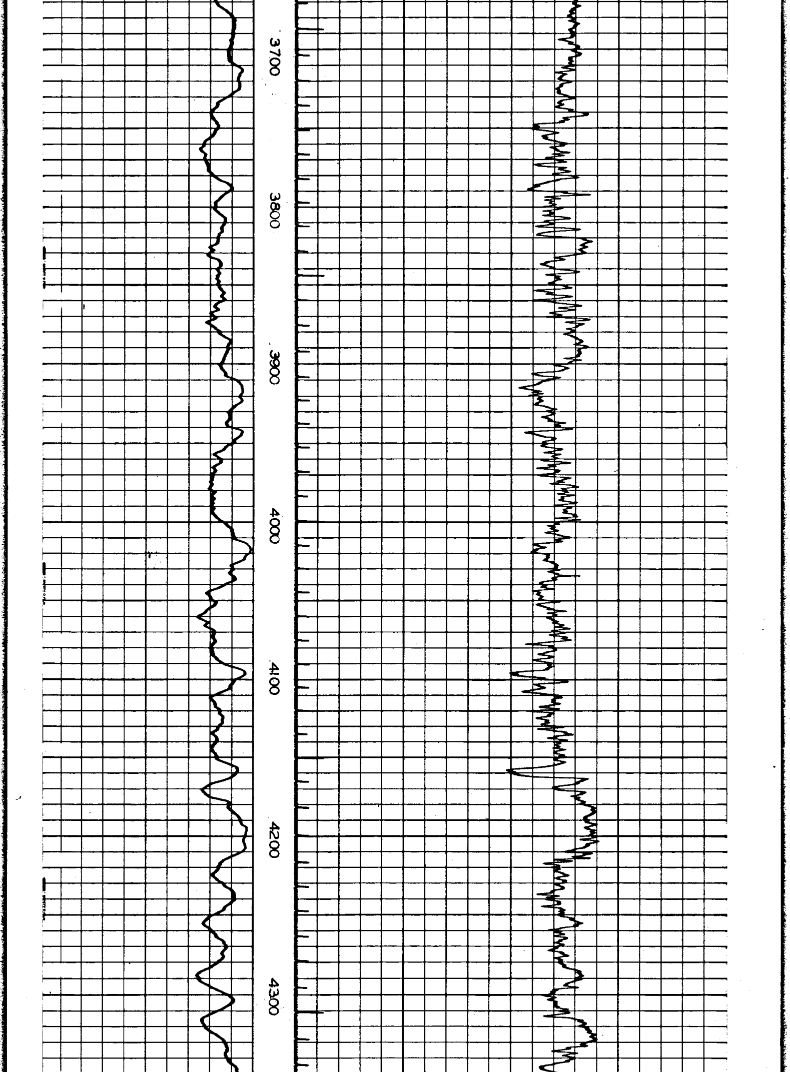


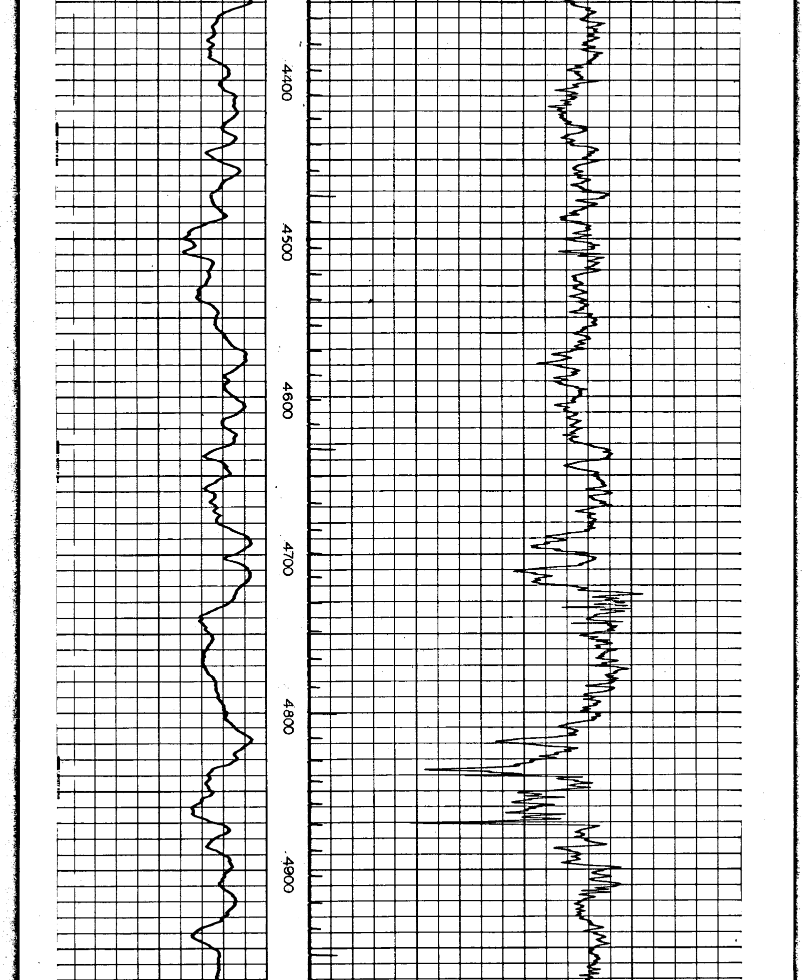


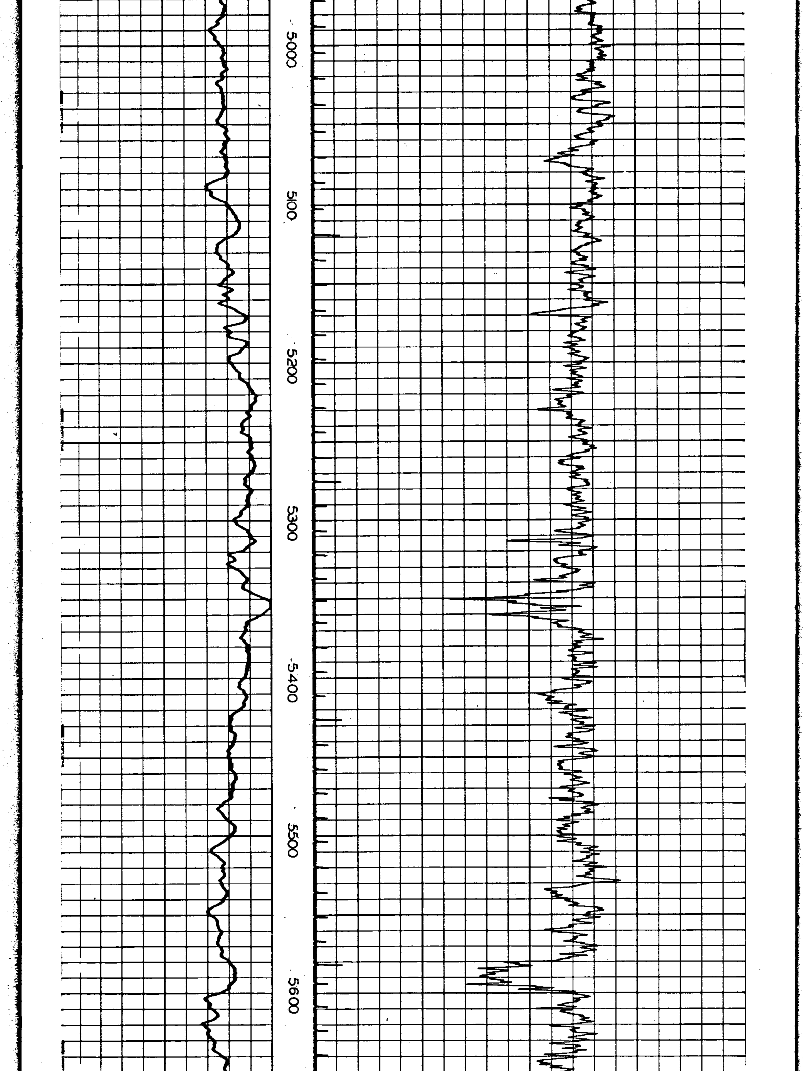


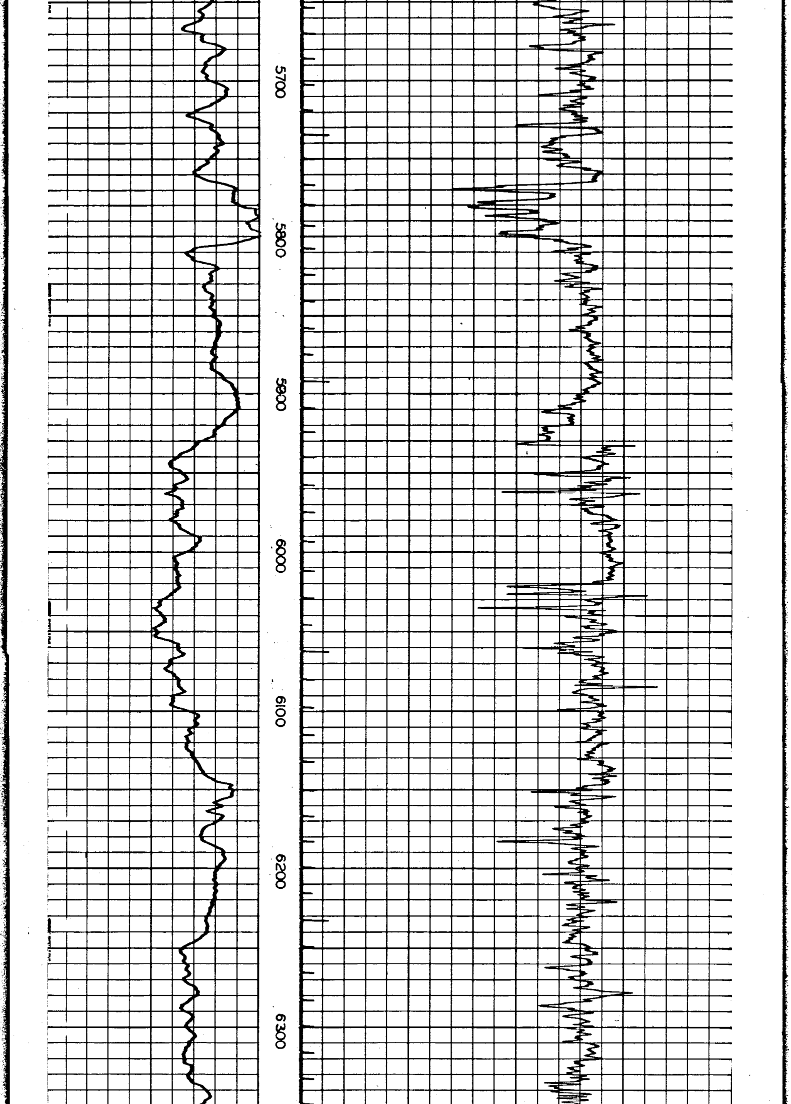


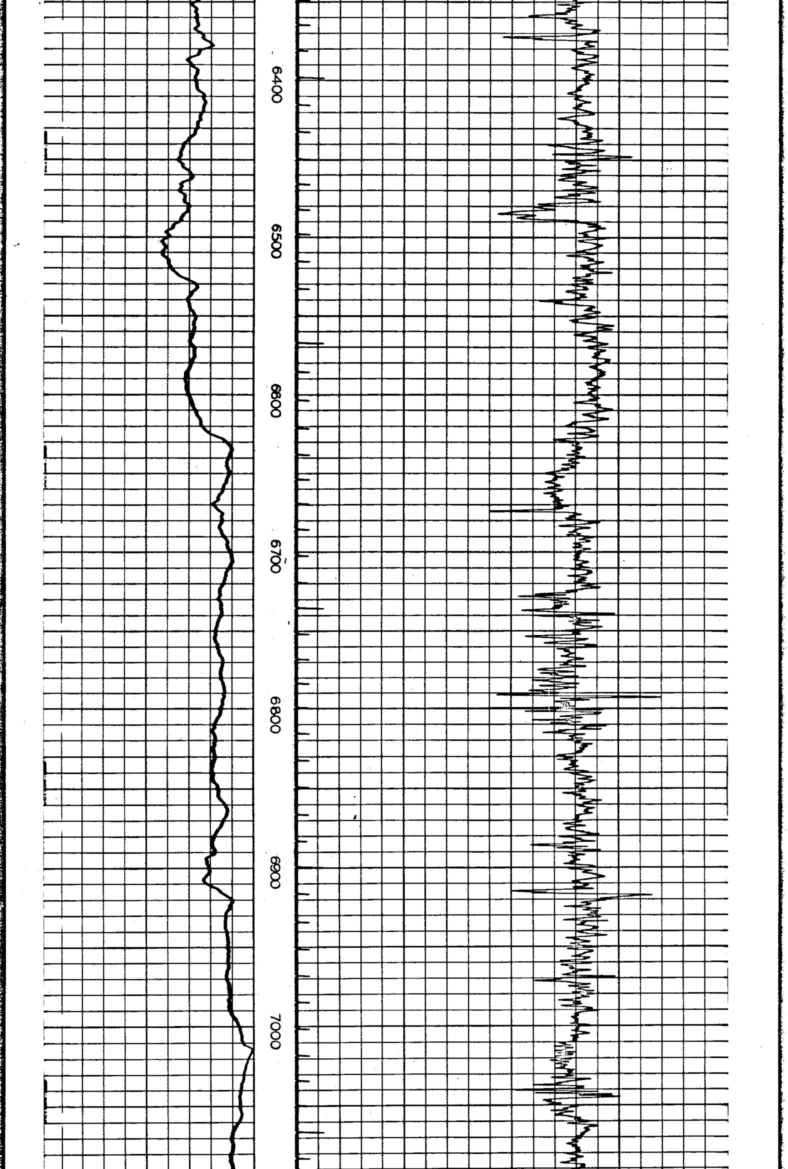


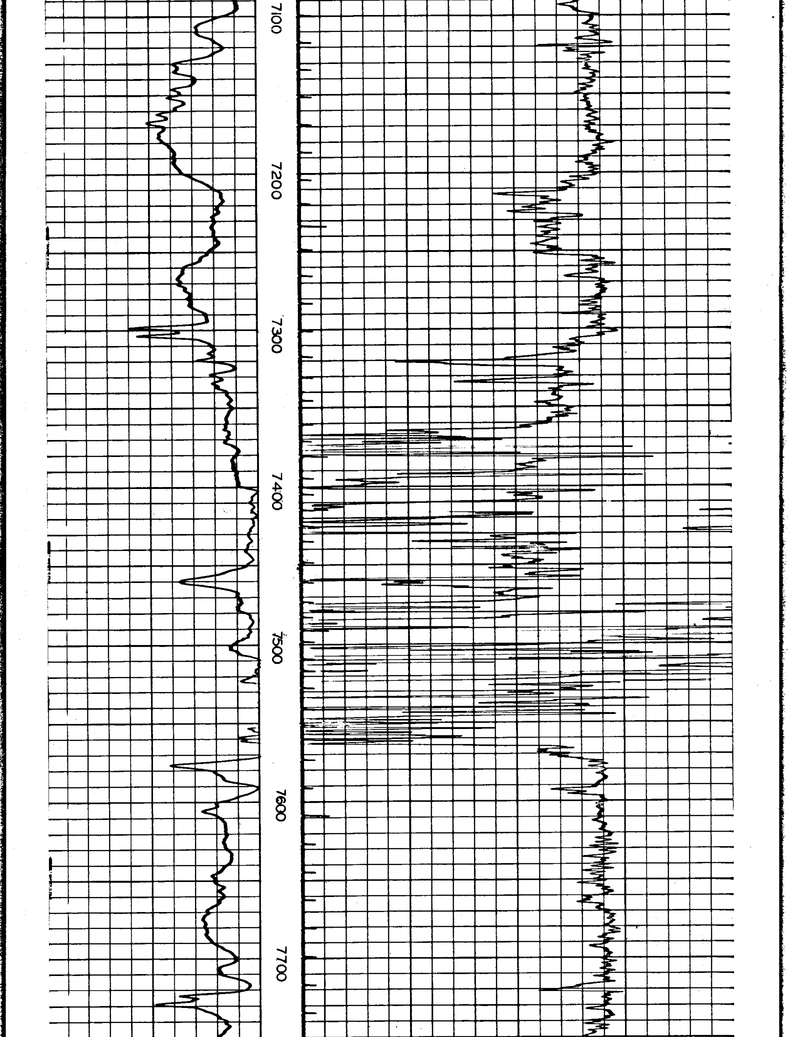


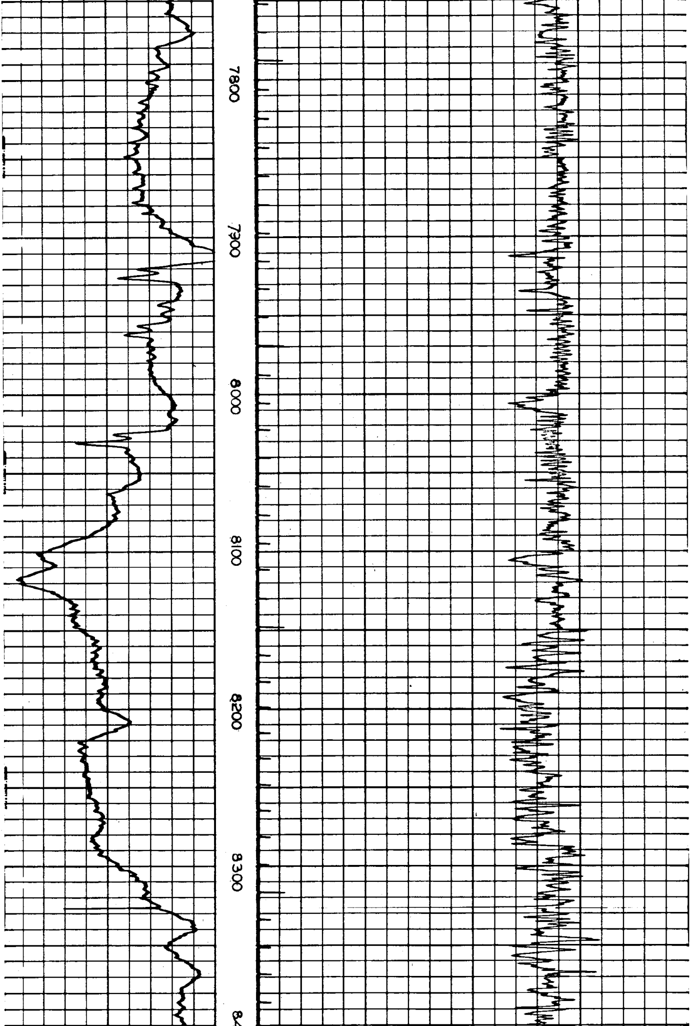


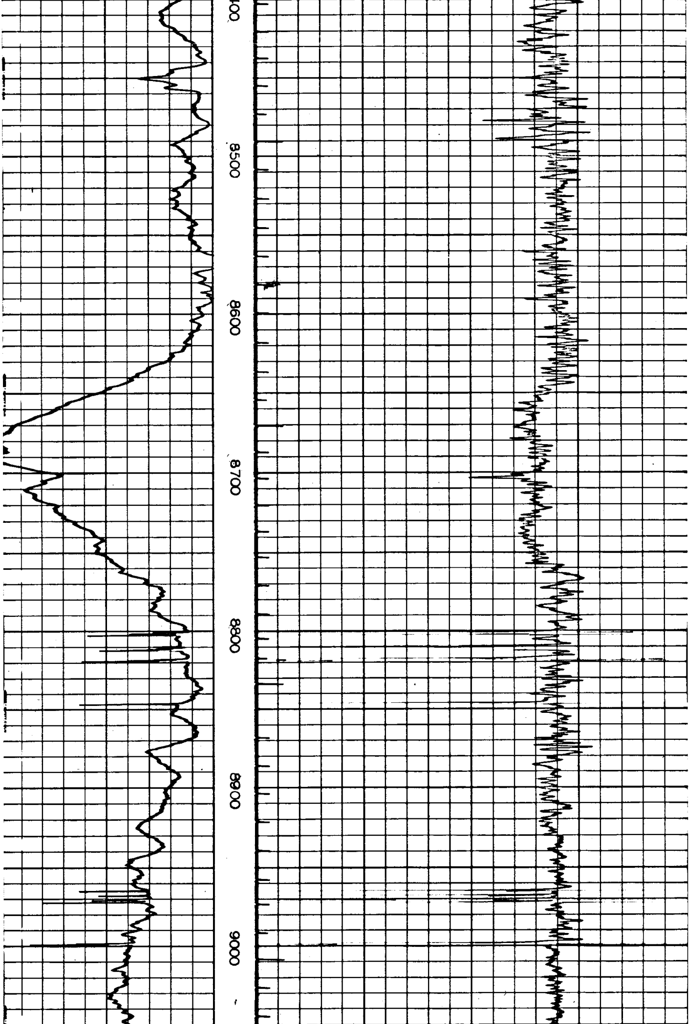


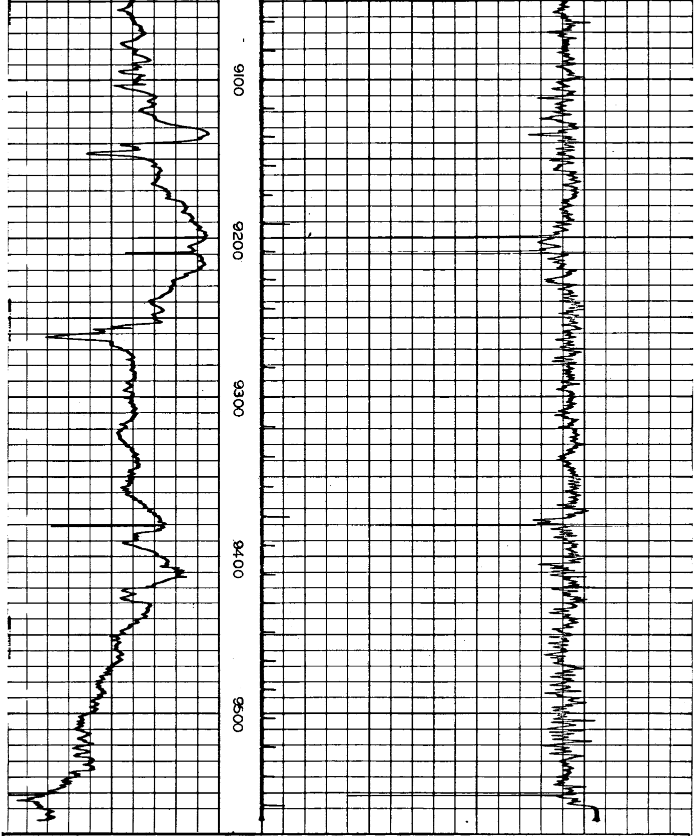












175 125 75

— |10| +

SPONTANEOUS-POTENTIAL
millivolts

DEPTHS

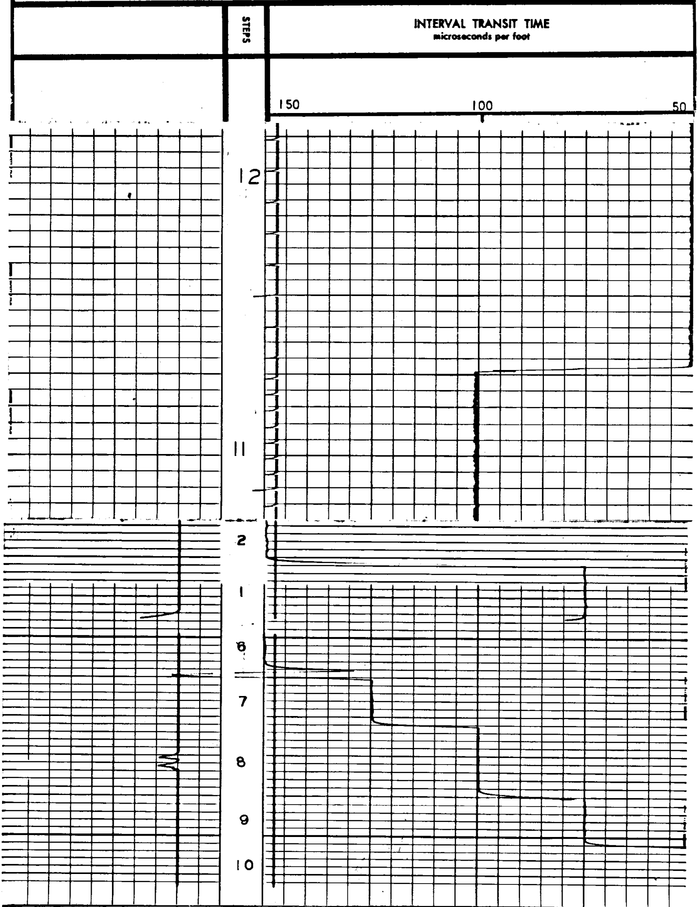
INTERVAL TRANSIT TIME
microseconds per foot
← Increases
Span: ONE Ft.; 2 Receivers

COMPANY HUMBLE OIL AND REFINING COMPANY
WELL D. J. LEAVITT NO. 1
FIELD THOMAS CREEK AREA LOCATION 2 / 40S / 20E
COUNTY LAKE STATE OREGON

Rm 4.2 @ 71 °F
Rmf 0.75 @295 °F
BHT 295 °F

SWSC FR 9559
SWSC TD 9563
DRLR TD 9579
Elev:
KB 4796
DF
GL 4783

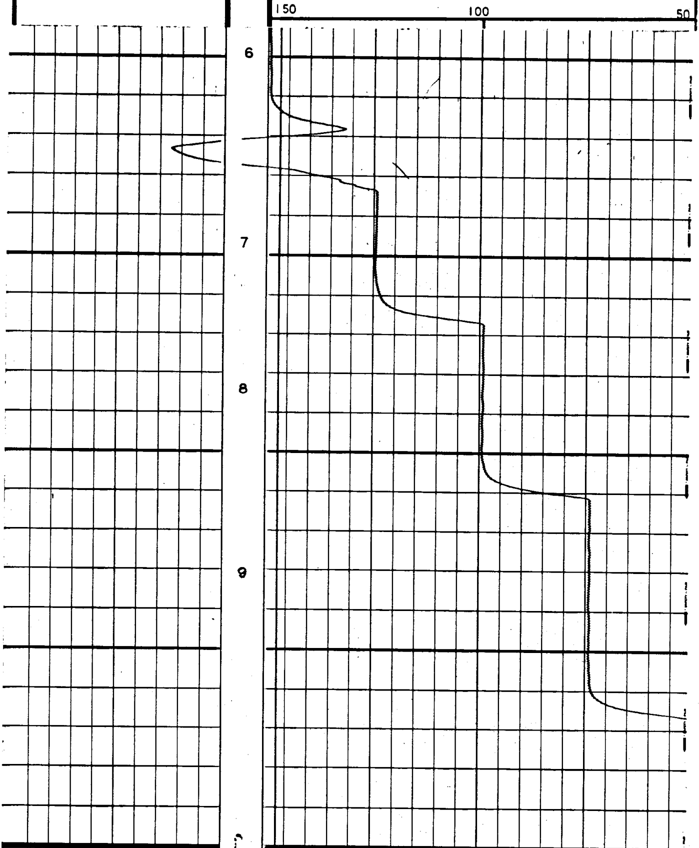
RUN NO. 1 SONIC CALIBRATION AFTER SURVEY 3 FOOT SPACING

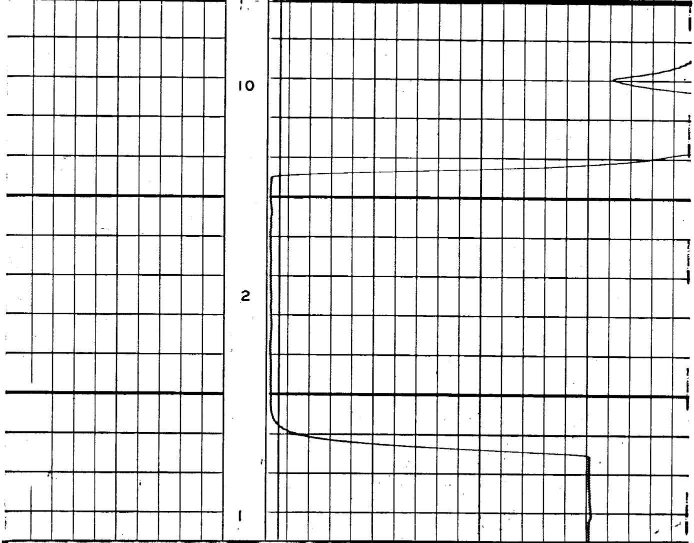


RUN NO. 1 SONIC CALIBRATION BEFORE SURVEY 3 FOOT SPACING

STEPS

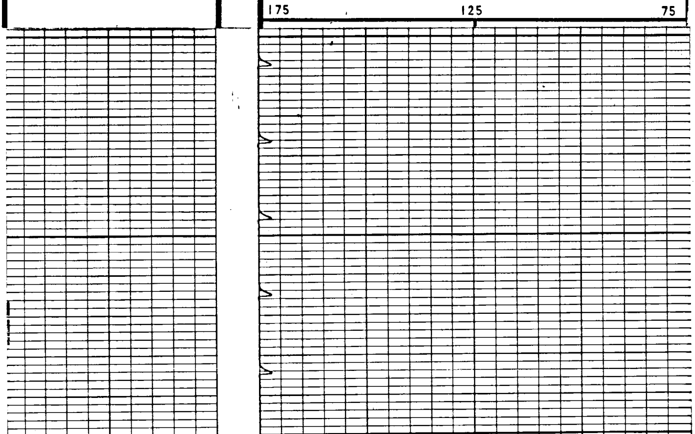
INTERVAL TRANSIT TIME
microseconds per foot

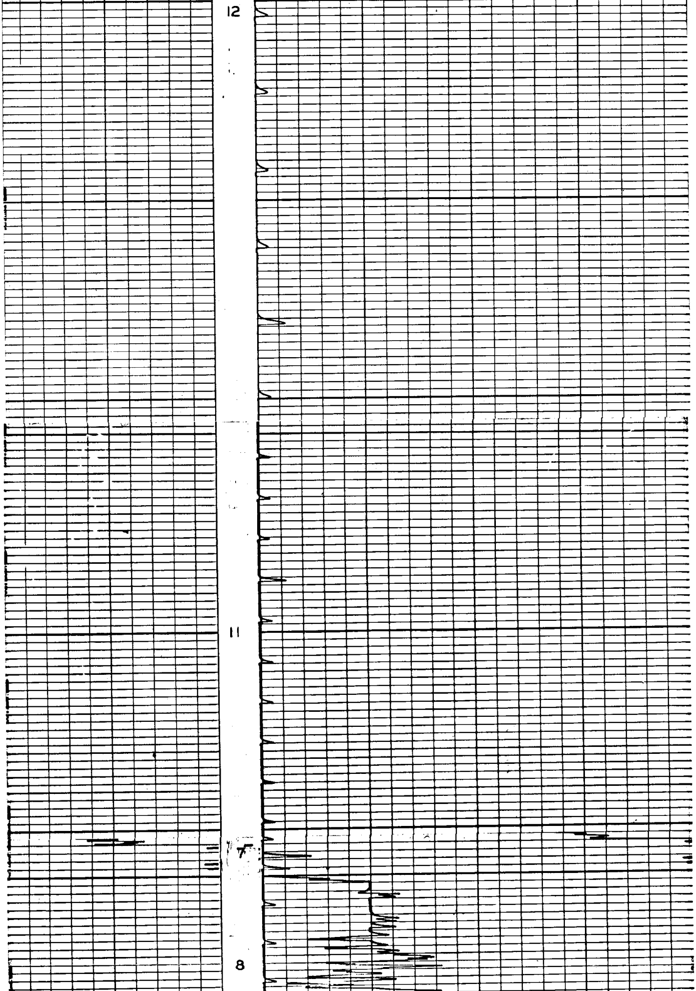


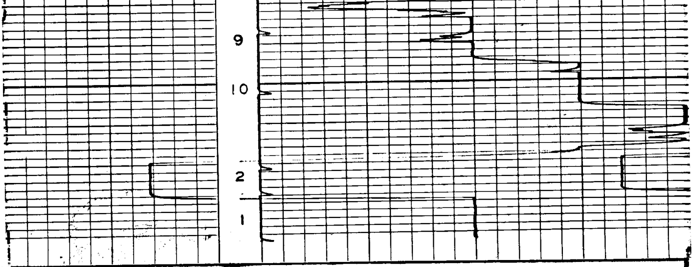


RUN NO. 2 **SONIC CALIBRATION AFTER SURVEY** ONE FOOT SPACING

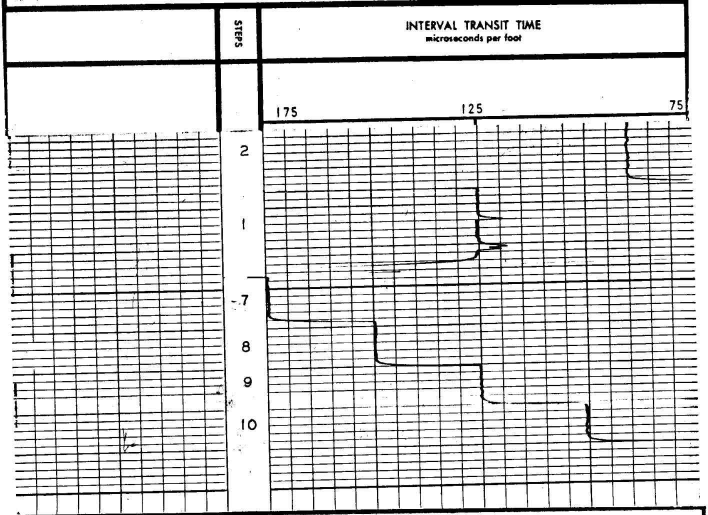
	STEPS	INTERVAL TRANSIT TIME microseconds per foot







RUN NO. 2 **SONIC CALIBRATION BEFORE SURVEY** ONE FOOT SPACING



CALIBRATION STEPS

Sonic Calibration Before and After Survey

ONE FOOT SPAN— 1) 75 Microseconds Per Foot Signal
2) 150 Microseconds Per Foot Signal
3) 225 Microseconds Per Foot Signal

THREE FOOT SPAN— 4) 200 Microseconds Per Foot Signal
5) 175 Microseconds Per Foot Signal
6) 150 Microseconds Per Foot Signal
7) 125 Microseconds Per Foot Signal
8) 100 Microseconds Per Foot Signal
9) 75 Microseconds Per Foot Signal
10) 50 Microseconds Per Foot Signal

Integrator Calibration After Survey

11) 100 Microseconds Per Foot Signal
12) 50 Microseconds Per Foot Signal

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