075 - OGC # 20005

G00894

Schlumberger

SIMULTANEOUS

COMPENSATED NEUTRON-FORMATION DENSITY

COUNTY	GENTRY
FIELD	WILDCAT
LOCATION	SEC. 36-62N-32W
WELL	M JAMESON #1
COMPANY	ANSCHUTZ - NCRA - DOW CHEMICAL

COMPANY THE ANSCHUTZ CORPORATION - NCRA - DOW CHEMICAL COMPANY JSW 1-26-79

WELL M.S. JAMESON #1

RELEASED

CONFIDENTIAL

FIELD WILDCAT

COUNTY GENTRY STATE MISSOURI

LOCATION 85' W & 120' S OF C SE-SE

540 FSL- 745 FEL

API SERIAL NO.	SEC	TWP	RANGE
	~~36~~34	62N	32W

Other Services: DIL

Permanent Datum GROUND LEVEL ; Elev.: 1030

Log Measured From KB , Ft. Above Perm. Datum

Drilling Measured From KB

Elev.: K.B. 1037

D.F. ----

G.L. 1030

RECEIVED

DEC 18 1974

MO. OIL & GAS COUNCIL

Date	12-13-74			
Run No.	ONE			
Depth—Driller	2514			
Depth—Logger	2511			
Btm. Log Interval	2510			
Top Log Interval	0000			
Casing—Driller	8 5/8 @ 215	@	@	@
Casing—Logger	215			
Bit Size	7 7/8			
Type Fluid in Hole	FRESH MUD W/GEL			
Dens. | Visc.	9.0 | 45			
pH | Fluid Loss	9.0 | 7.6 ml	ml	ml	ml
Source of Sample	CIRCULATED			
Rm @ Meas. Temp.	5.05 @ 68 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	4.53 @ 70 °F	3.35 @ 95 °F	@ °F	@ °F
Rmc @ Meas. Temp.	-- @ -- °F	@ °F	@ °F	@ °F
Source: Rmf | Rmc	MP | --			
Rm @ BHT	3.75 @ 95 °F	@ °F	@ °F	@ °F
TIME: Circulation Stopped	12-12 2345			
TIME: Logger on Bottom	12-13 0500			
Max. Rec. Temp.	95 °F	°F	°F	°F
Equip. | Location	4571 | WICH			
Recorded By	PARSLOW			
Witnessed By Mr.	PURSWELL			

SWS-3872-F

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

RUN NO.	ONE			
Service Order No.	21322			
Fluid Level	FULL			
Salinity, PPM CL.	667			
Speed - F.P.M.	30			
EQUIPMENT DATA				
Dens. Panel	EA-281			
Dens. Cart.	EA-297			
Dens. Skid.	D-691			
Dens. Sonde	E-227			
Dens. Source	B-2605			
Dens. Calibrator	272			
Neut. Panel	A-249			
Neut. Cart.	A-248			
Neut. Source	F-A289			
Neut. Calibrator	A-225			
GR Cart.	JAA-259			
Memorizer Panel	B-118			
Tape Recorder (TTR)	---			
Depth Encoder (DRE)	---			
Pressure Wheel (CPW)	---			
Centralizers: Enter Spring, Standoffs, In-line, or None — Type	--/-			
Centralizers — No.	---			
Centralizers — S. O. — Inches	---			
CALIBRATION DATA				
GR — BKG. CPS	64			
GR — Source CPS	460			
GR — Sens. - Cal	200			
GR — T. C. - Cal	6			
CNL — Short Spacing - Before Log	3740			
CNL — Long Spacing - Before Log	1540			
CNL — Short Spacing - After Log	3740			
CNL — Long Spacing - After Log	1540			
FDC — P_1 — Before Log	400			
FDC — P_2 — Before Log	616			
FDC — P_1 — After Log	400			
FDC — P_2 — After Log	612			

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

REMARKS:

LOGGING DATA

DEPTH		CNP			FDC				GR			
Top	Bottom	Porosity Scale	Matrix	Auto Corr. or Hole Size Setting	Porosity Scale	Grain Density	Liquid Density	Hole Fluid	Sens. Logged	T. C.	Zero. Div. Left	Scale Per 100 Div.
SURF	215	--	--	---	---	--	--	--	150	2	0	150
215	TD	30/-10	LIME	AUTO CORR.	30/-10	2.71	1.00	LIQ.	150	2	0	150

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 7 of our General Terms and Conditions as set out in our current Price Schedule.

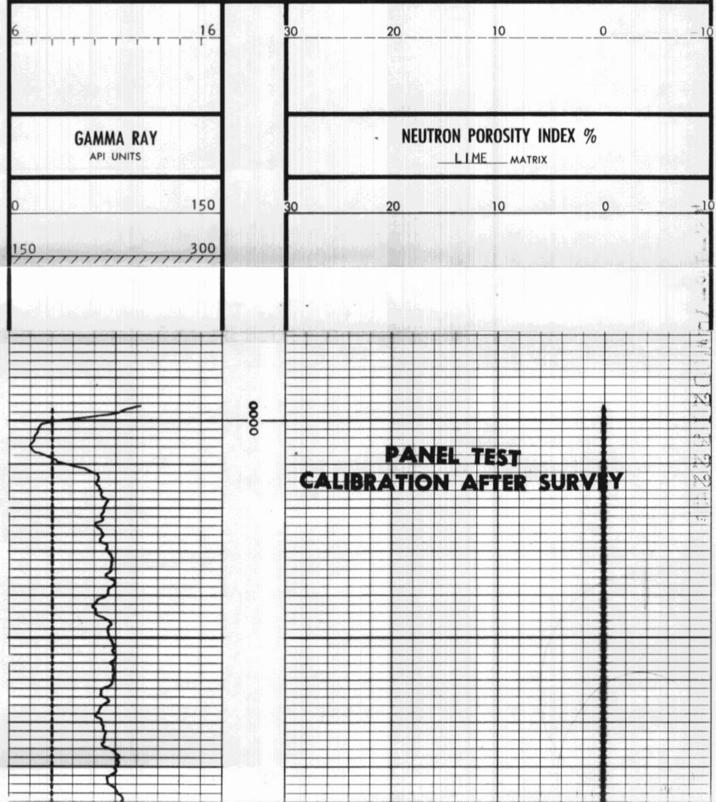
CALIPER
HOLE DIAM. IN INCHES

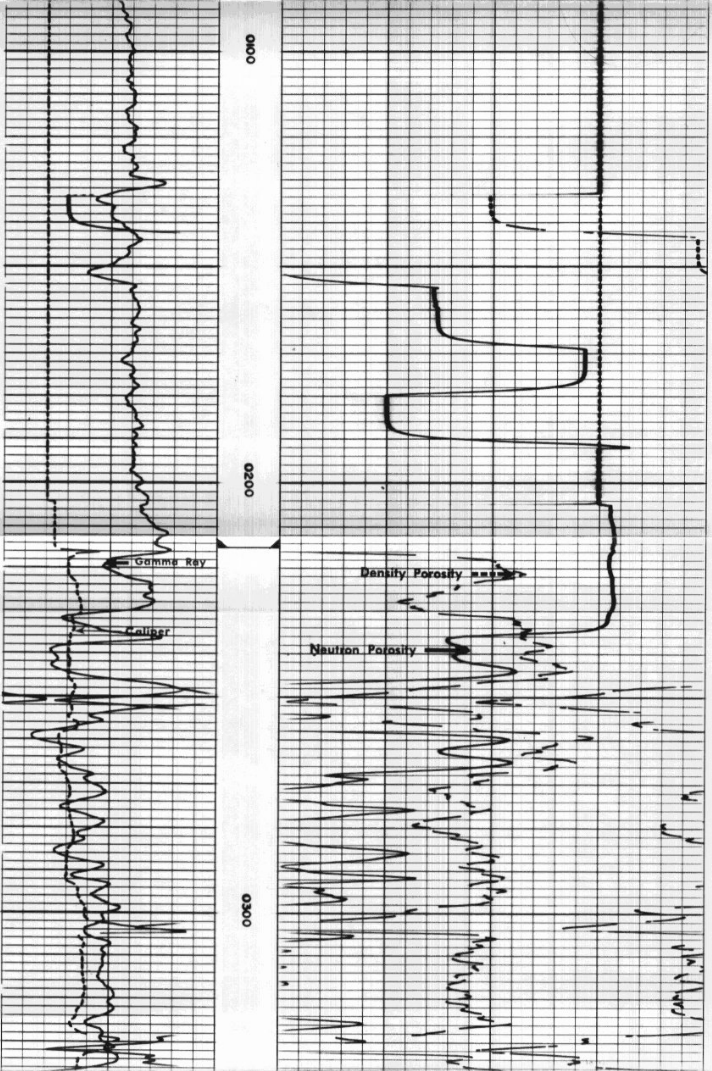
DEPTHS

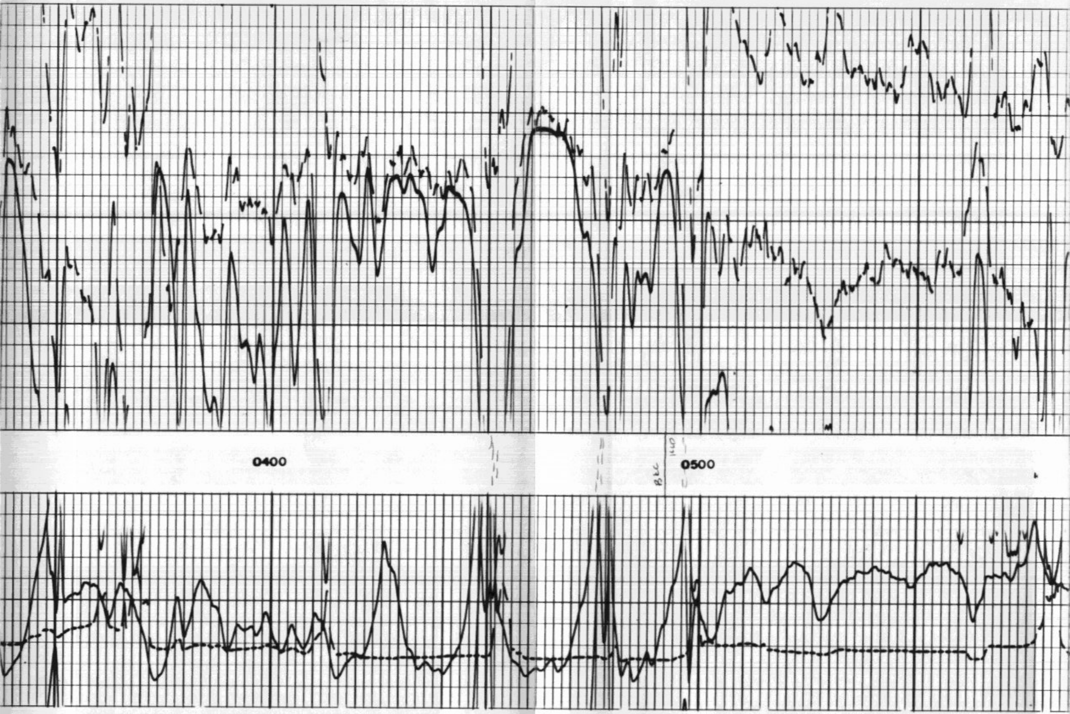
DENSITY POROSITY INDEX %
LIME MATRIX

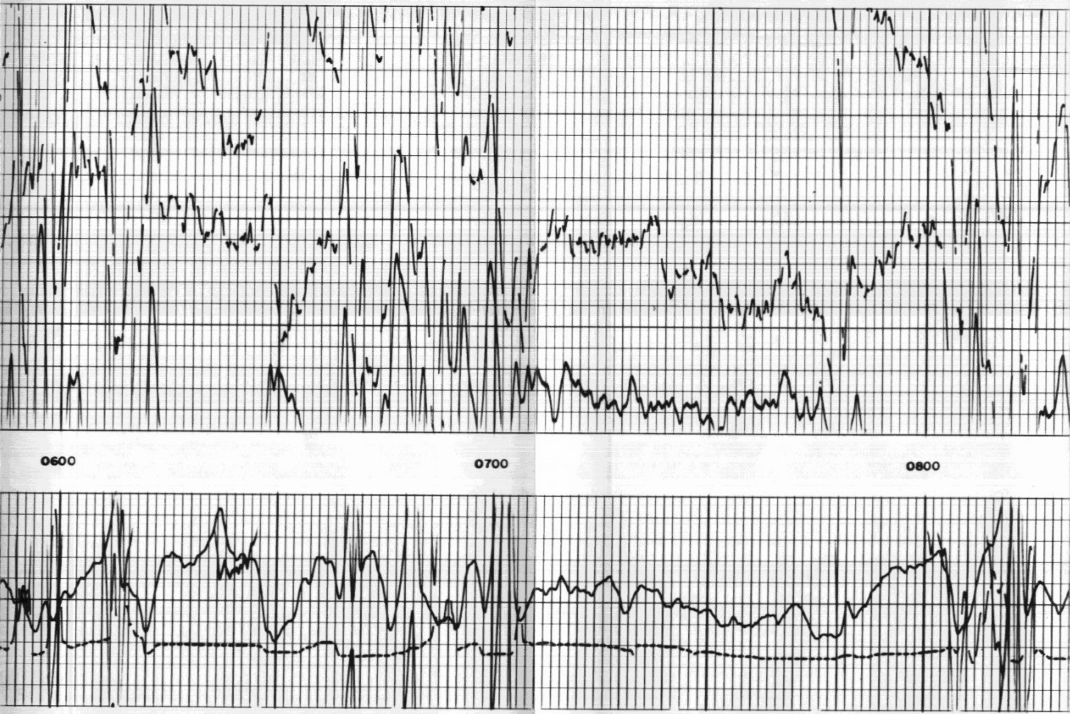
GAMMA RAY
API UNITS

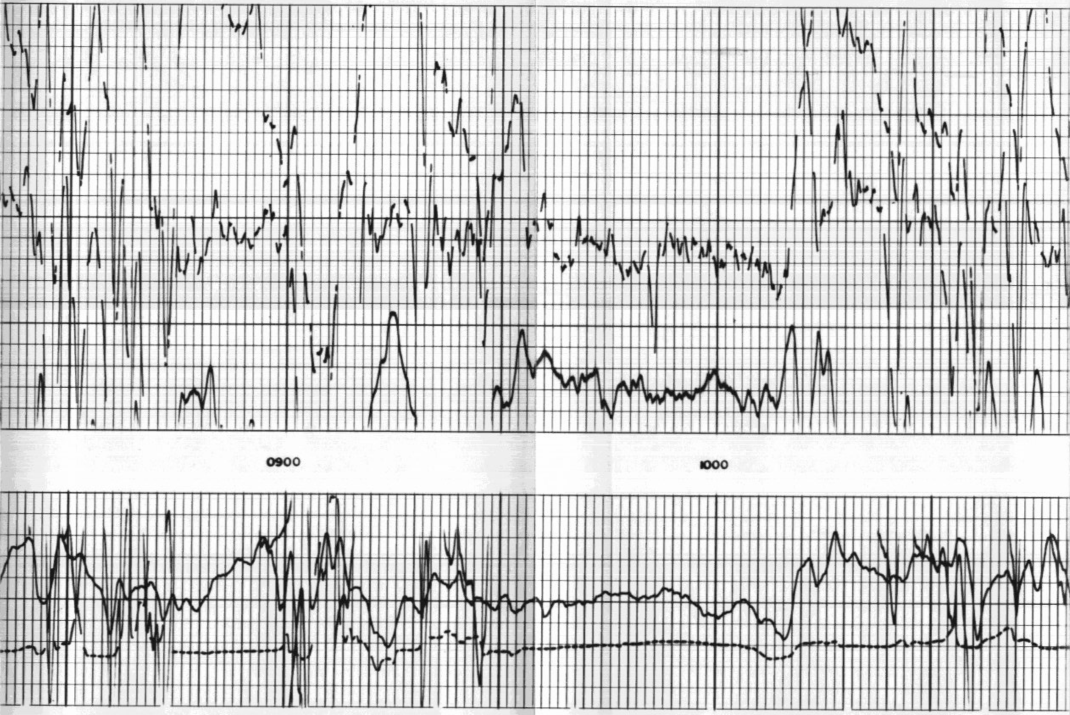
NEUTRON POROSITY INDEX %
LIME MATRIX

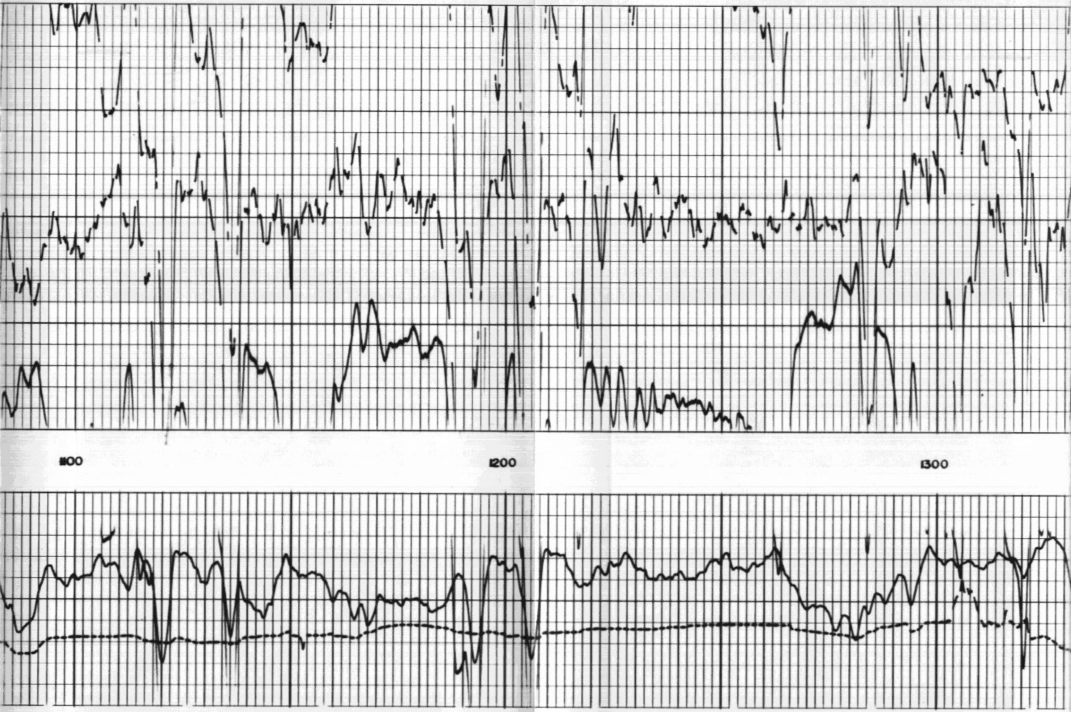


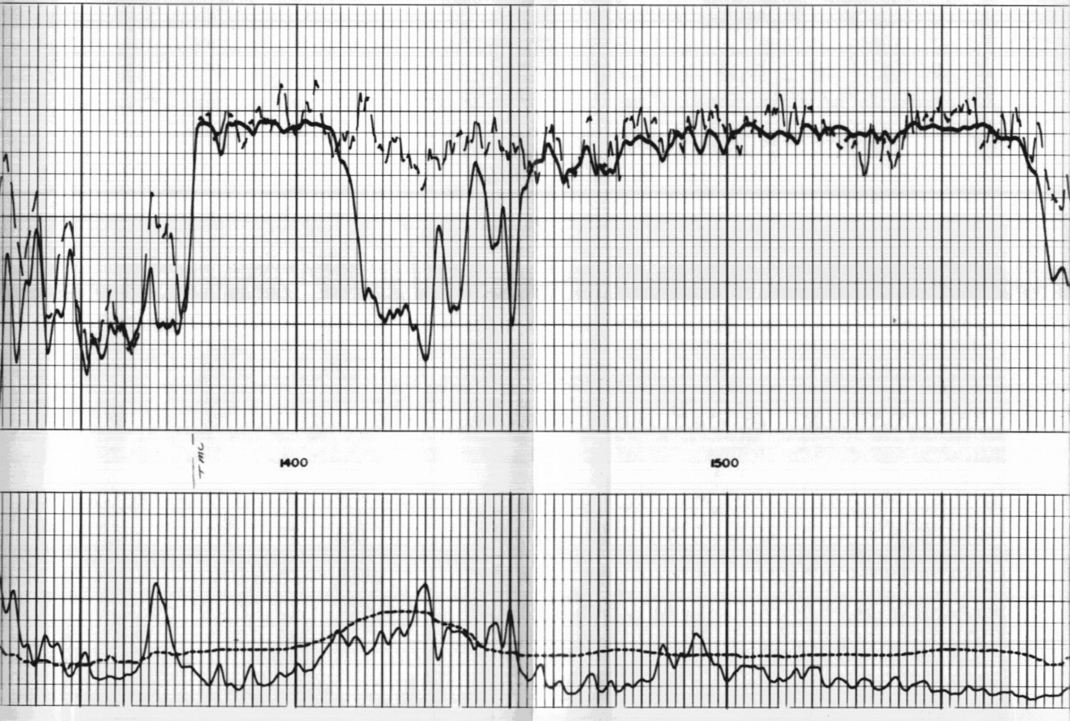


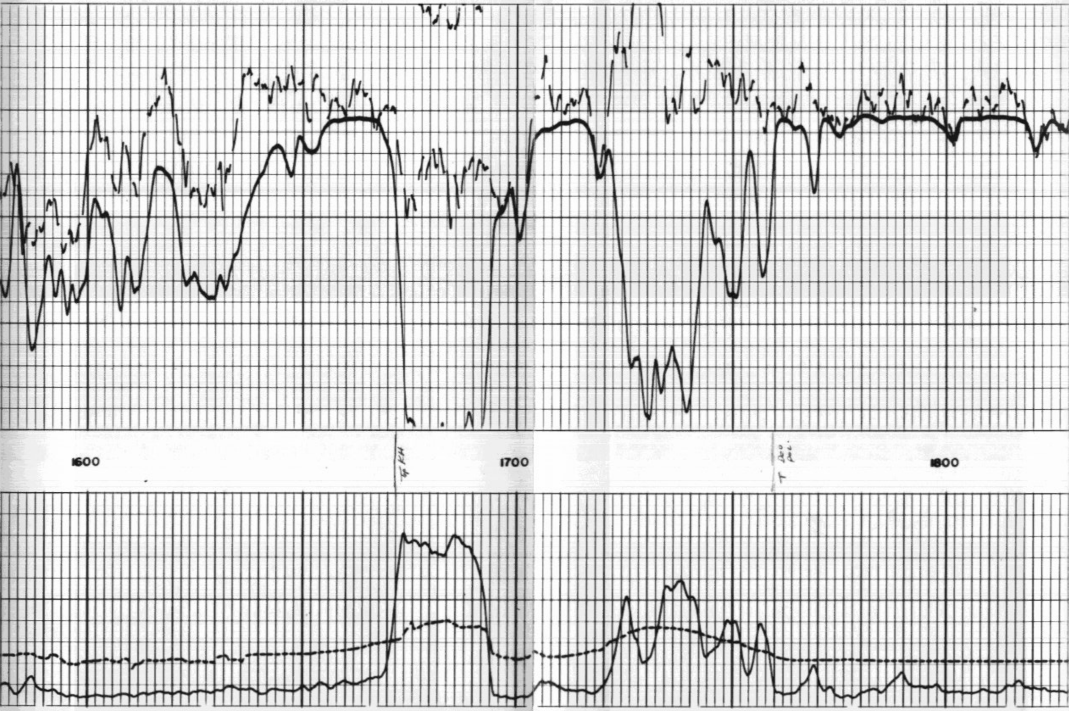


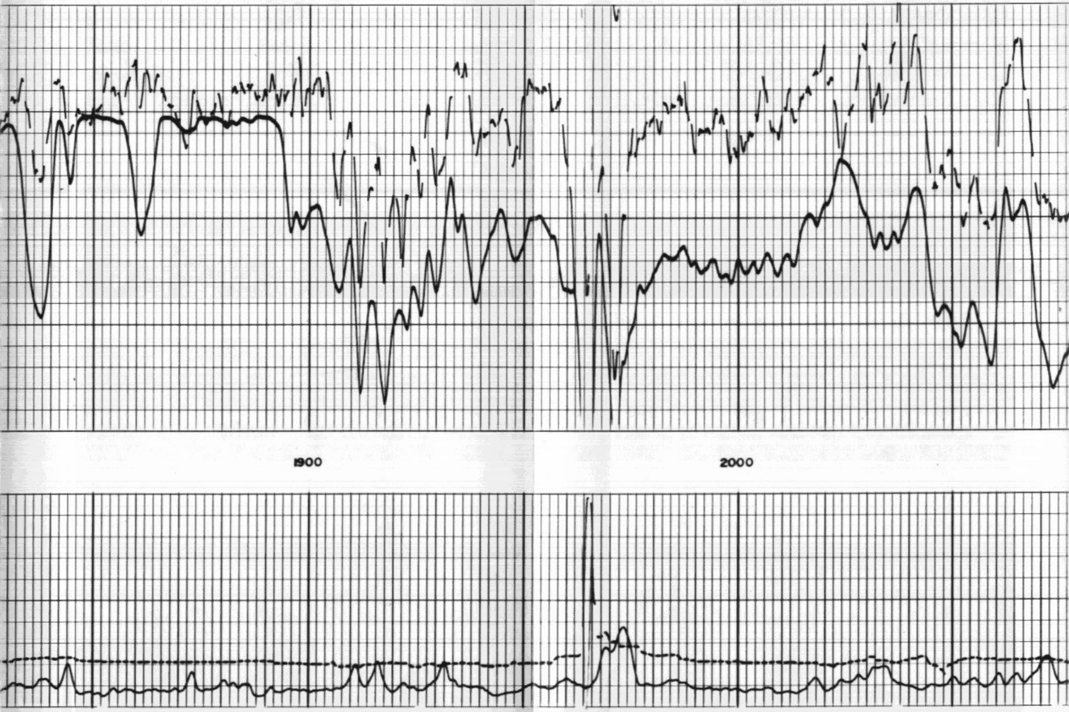


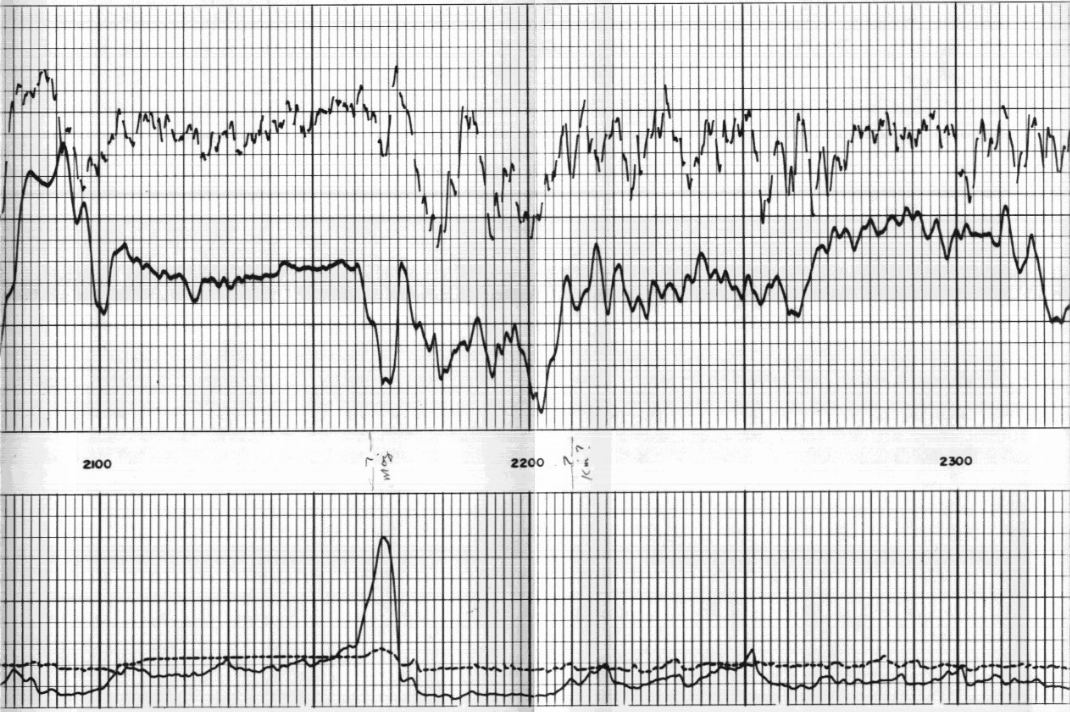


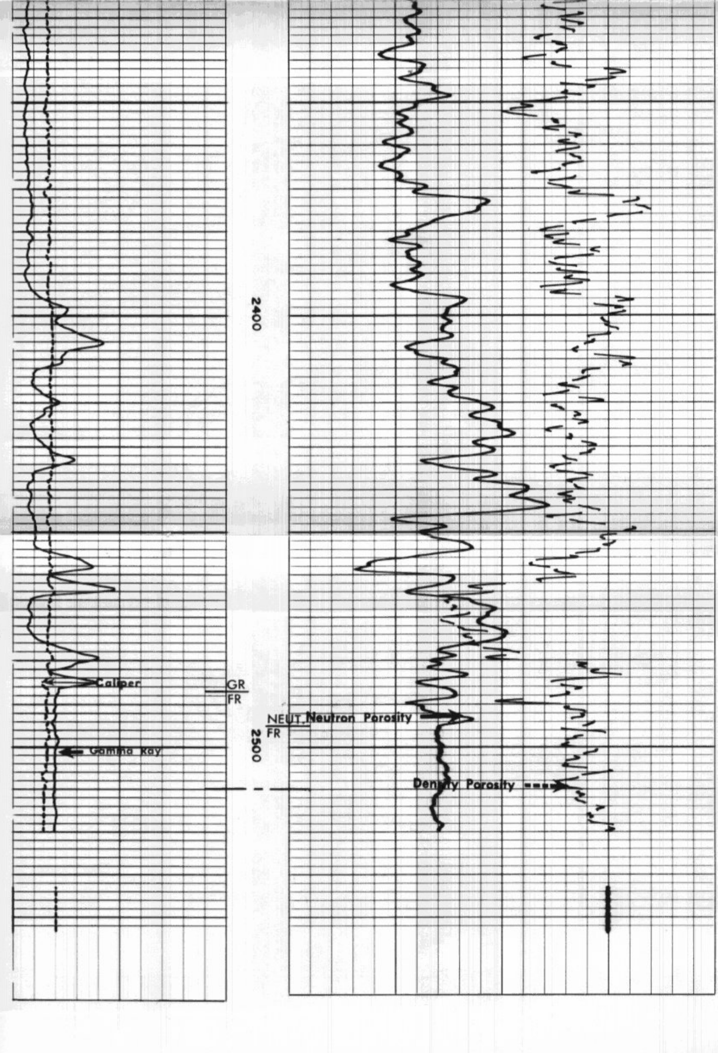


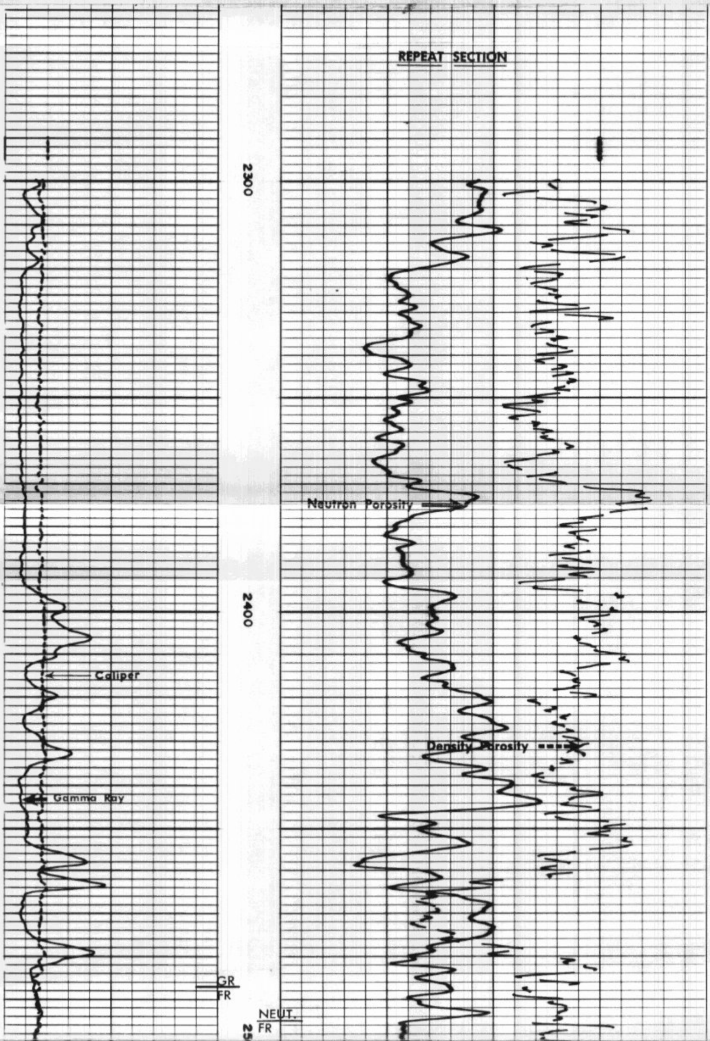


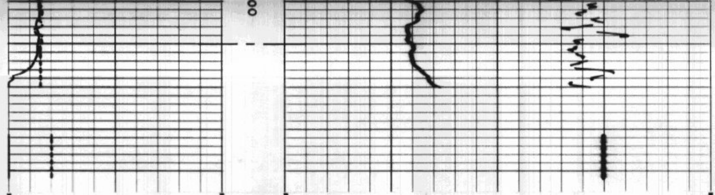












0 150

150 300

GAMMA RAY
API UNITS

6 16

CALIPER
HOLE DIAM. IN INCHES

30 20 10 0 -10

NEUTRON POROSITY INDEX %
LIME MATRIX

30 20 10 0 -10

DENSITY POROSITY INDEX %
LIME MATRIX

DEPTHS

CALIPER
HOLE DIAM. IN INCHES

DEPTHS

F CURVE
10 100 1000 10,000

6 16

−.25 0 +.25

CORRECTION
GRAMS/CC.

GAMMA RAY
API UNITS

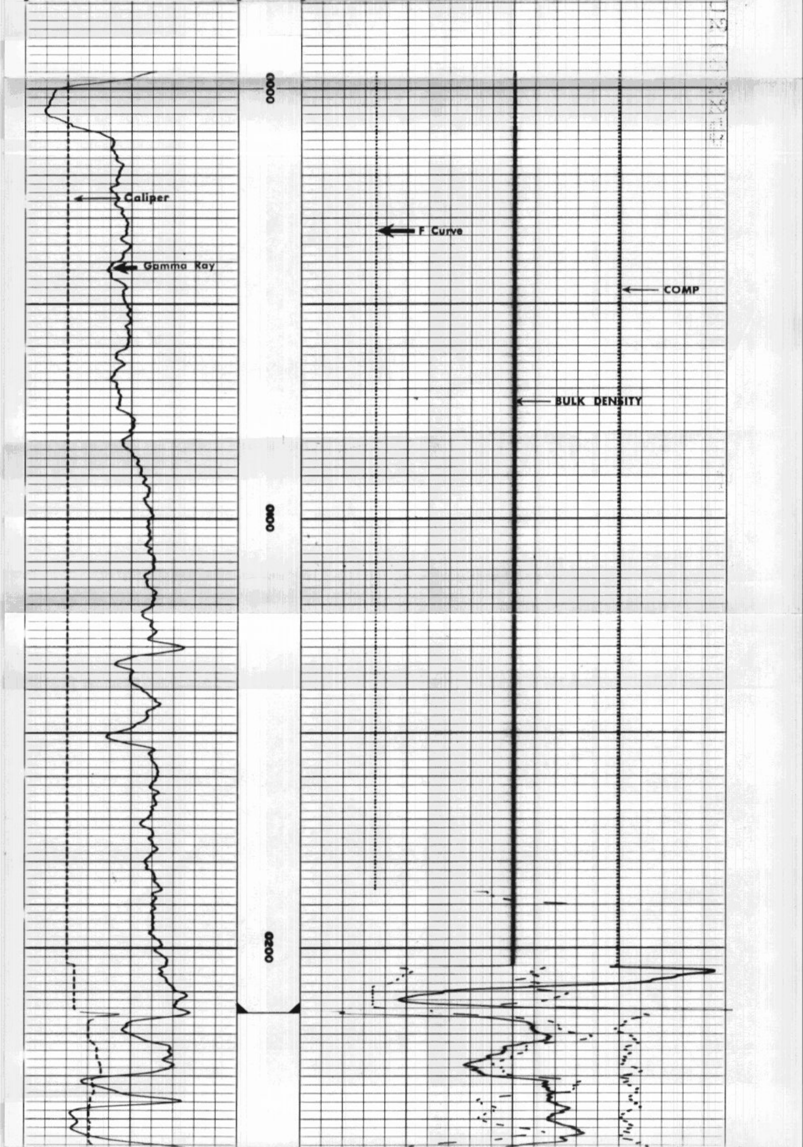
BULK DENSITY
GRAMS/CC.

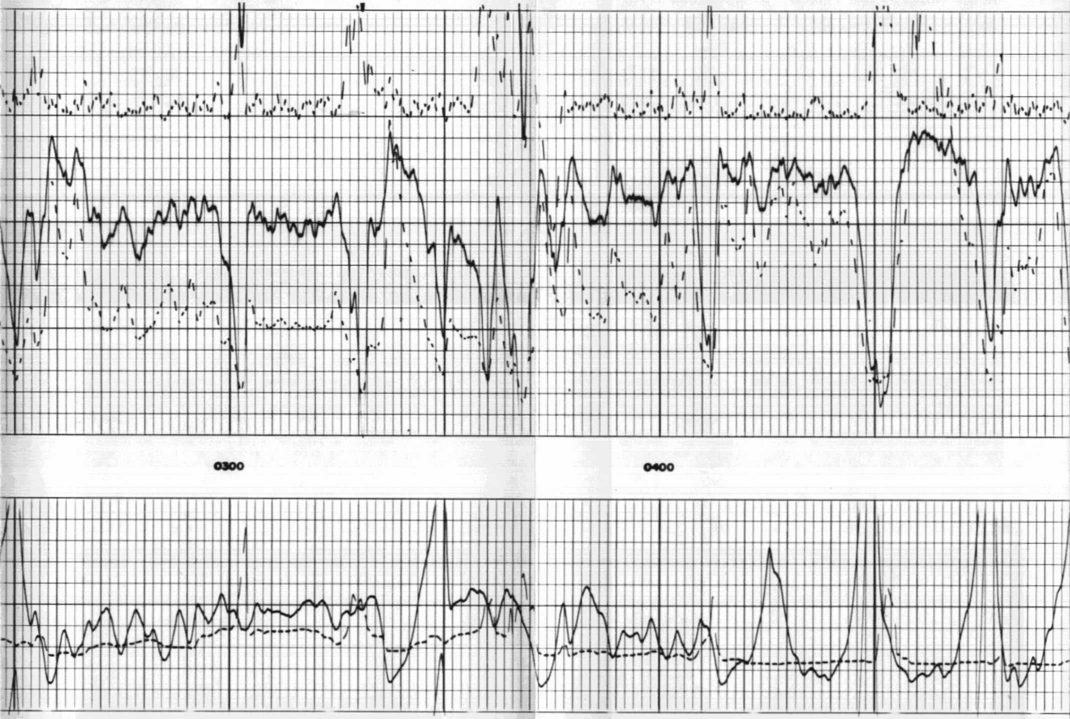
0 150

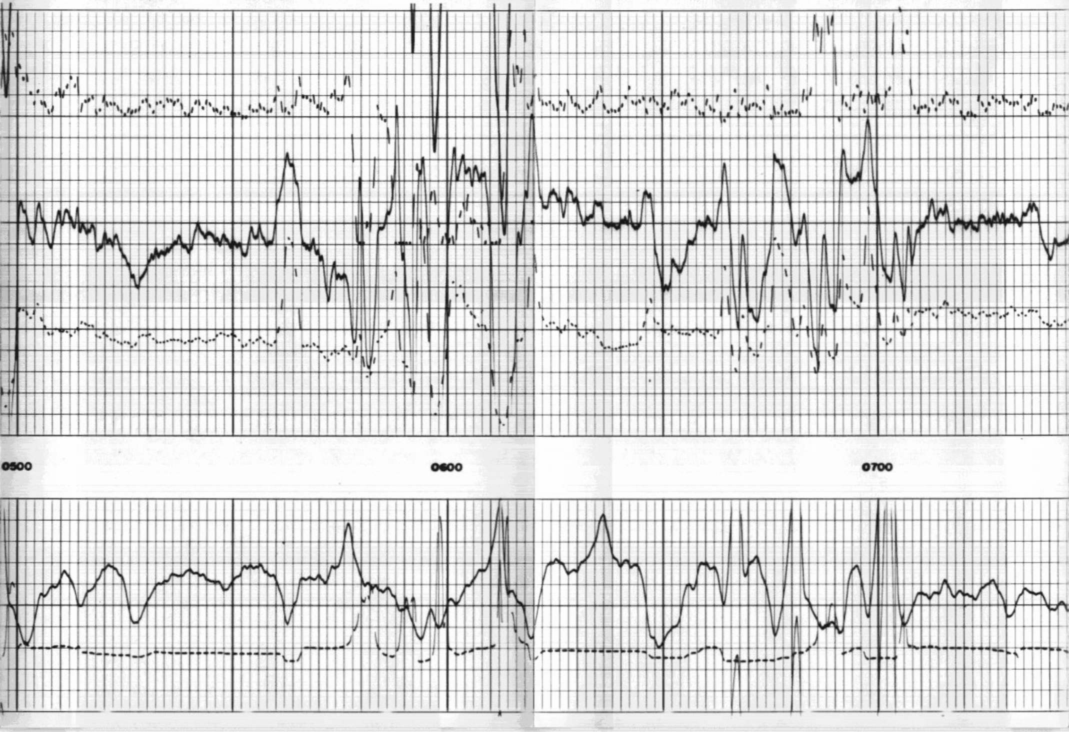
150 300

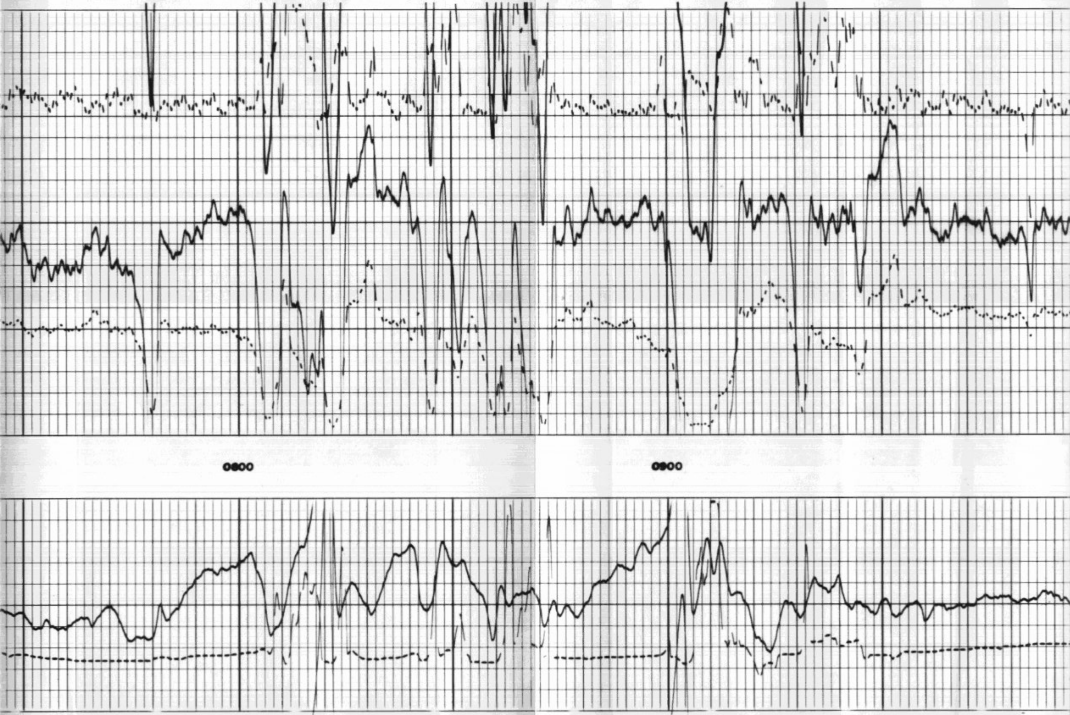
2.0 2.5 3.0

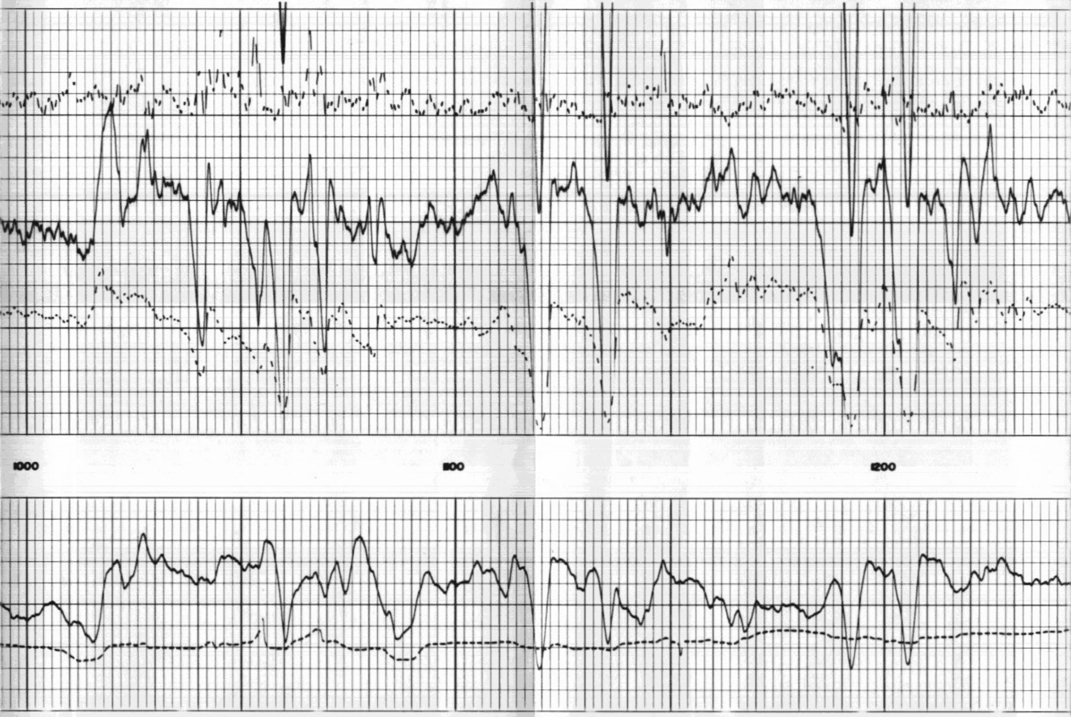
1.0 1.5 2.0

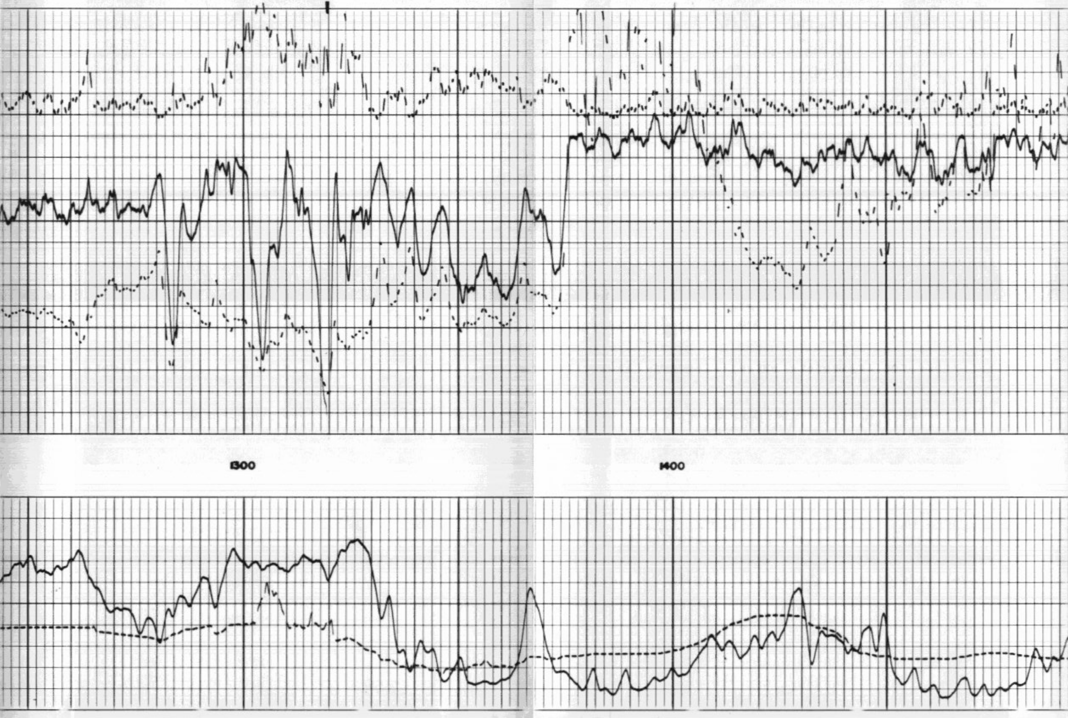


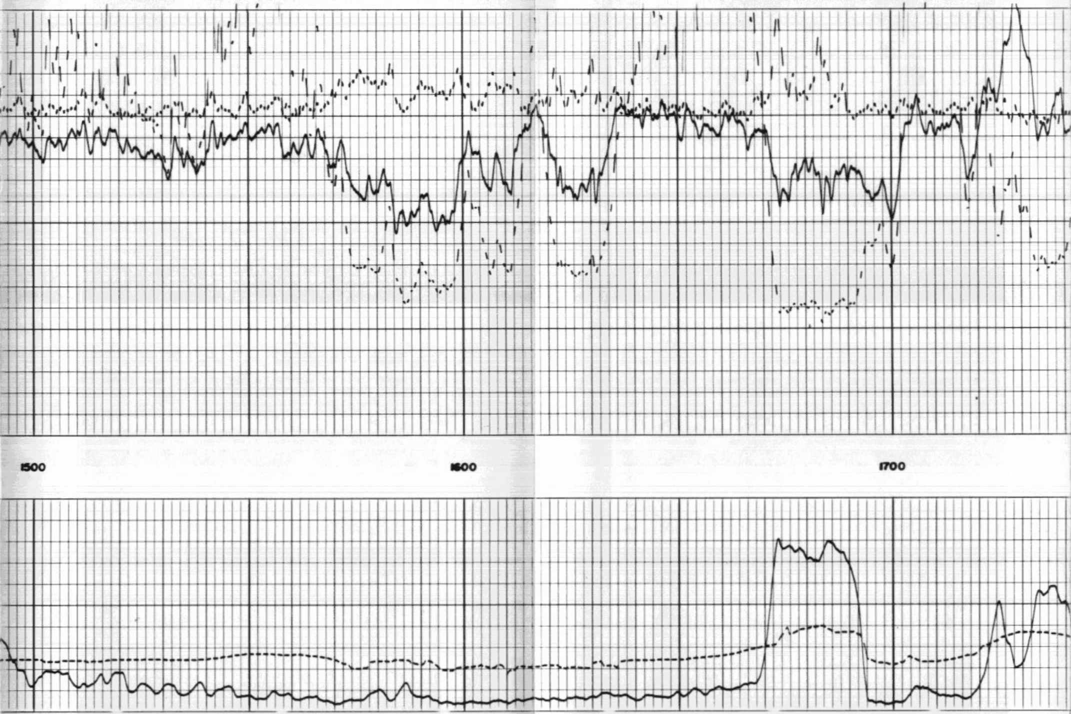


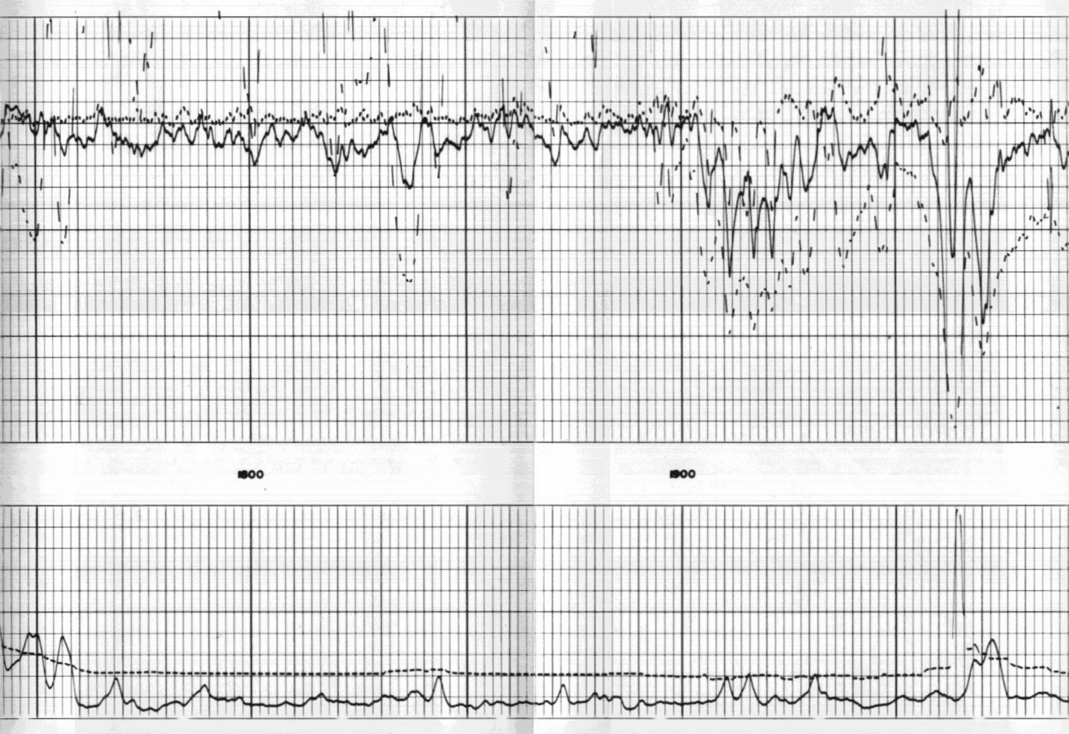


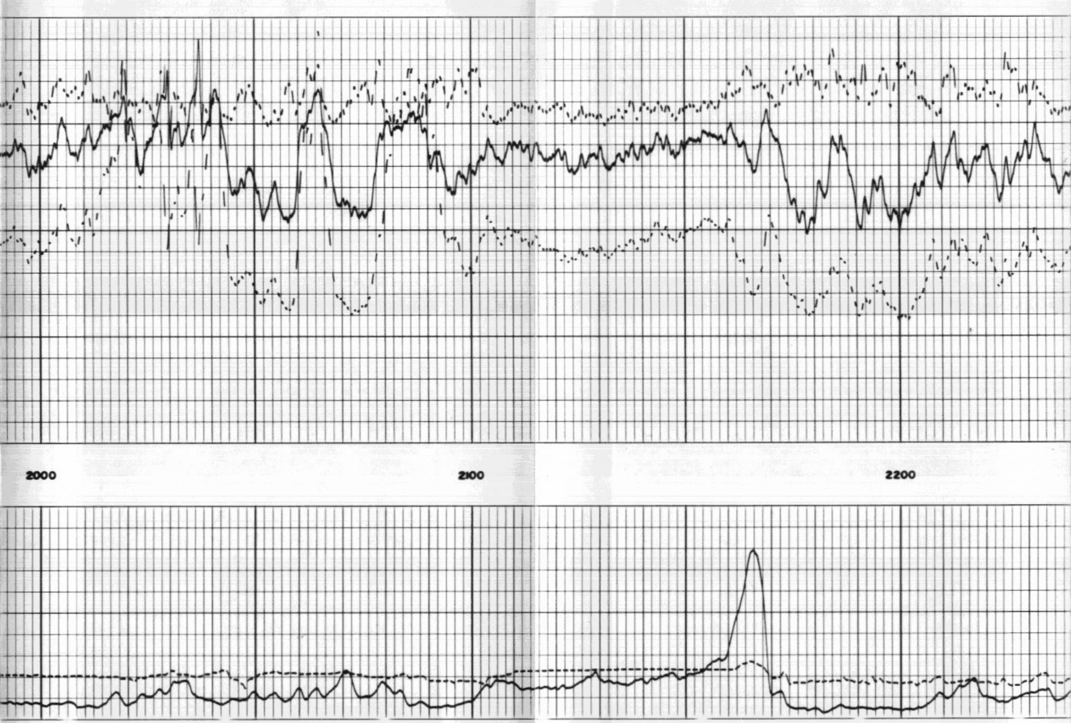


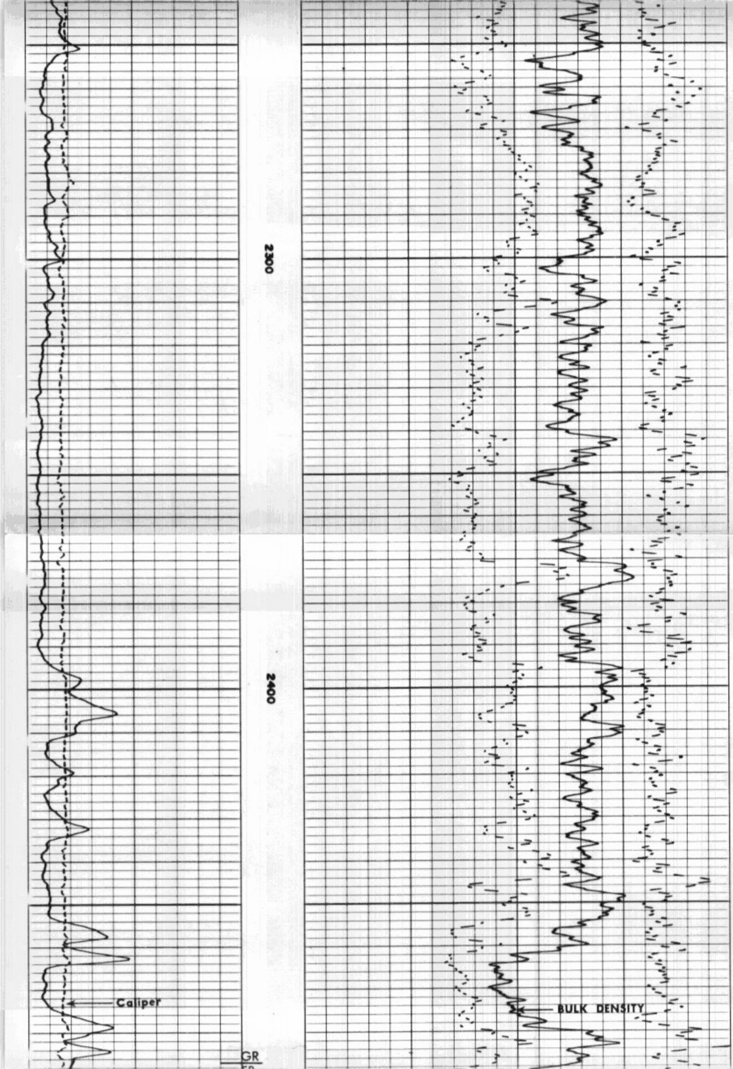


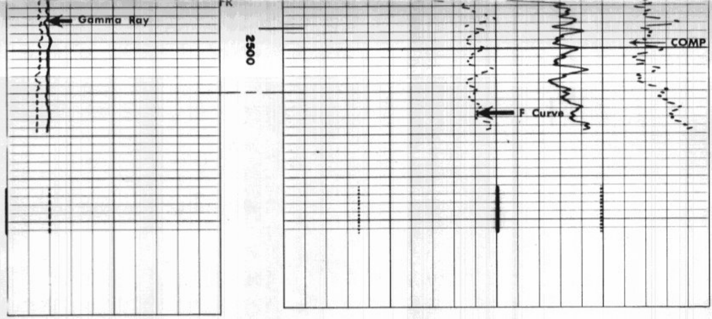


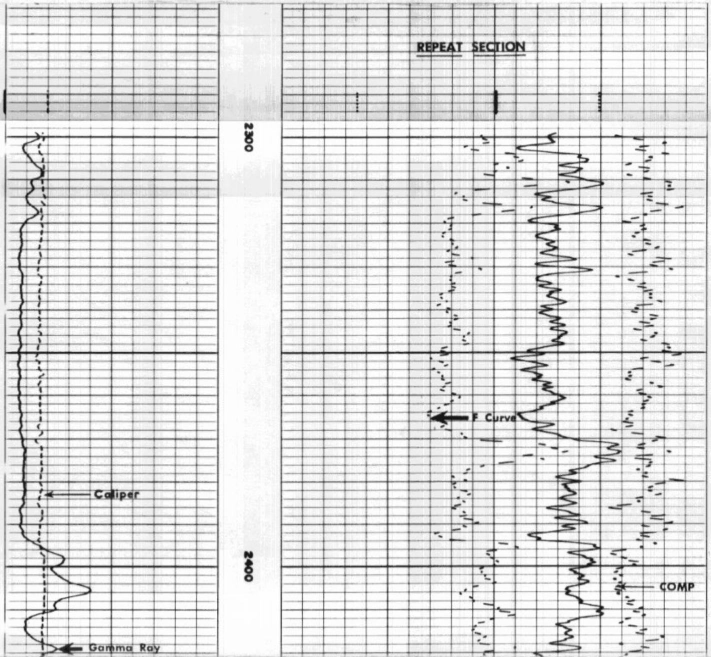


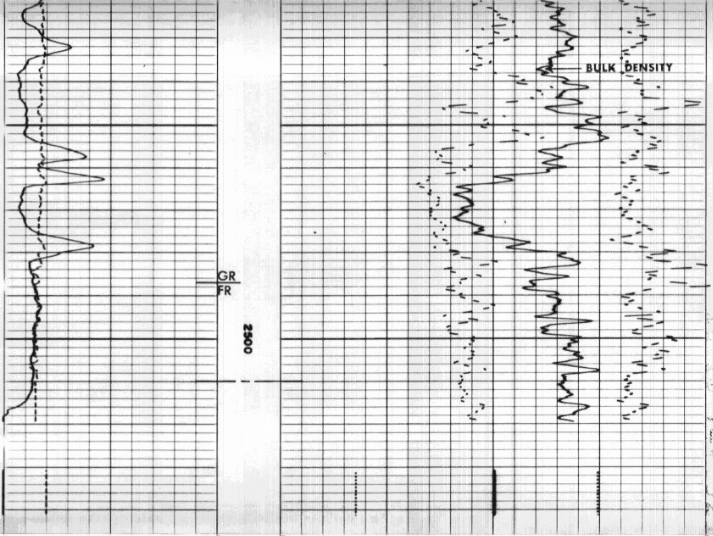






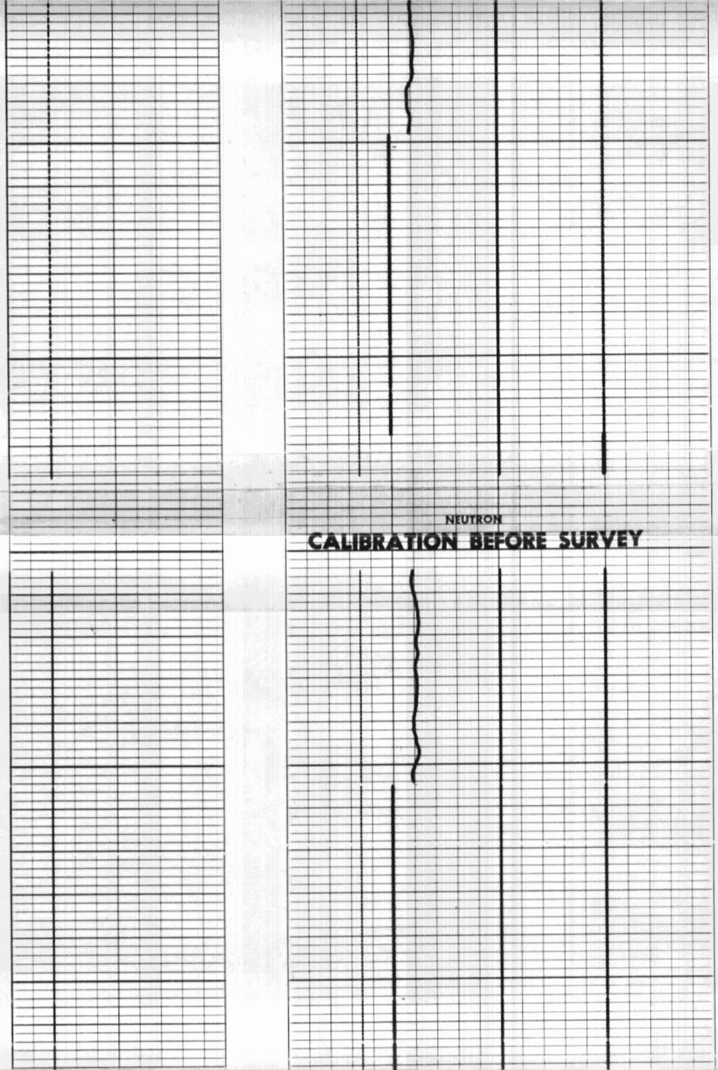






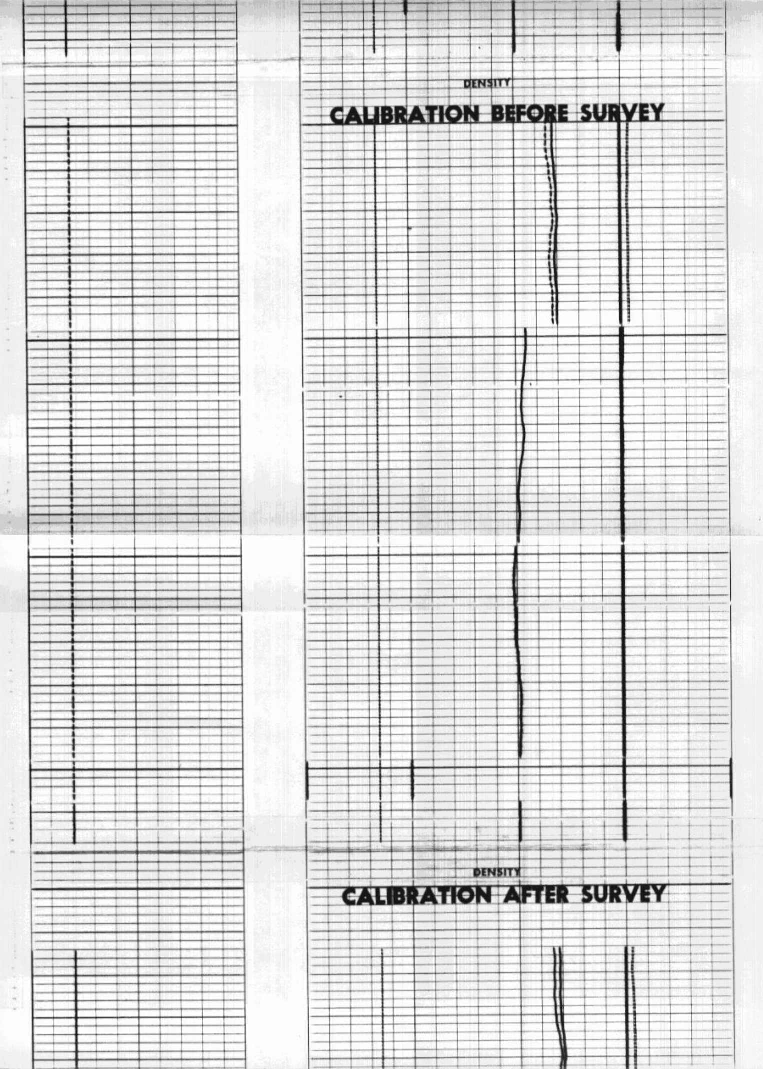
0 — 150 150 — 300		2.0 — 2.5 — 3.0 1.0 — 1.5 — 2.0	
GAMMA RAY API UNITS		**BULK DENSITY** GRAMS/CC.	
6 — 16		−.25 — 0 — +.25 **CORRECTION** GRAMS/CC.	
CALIPER HOLE DIAM. IN INCHES	DEPTHS	10 — 100 — 1000 — 10,000 F CURVE	

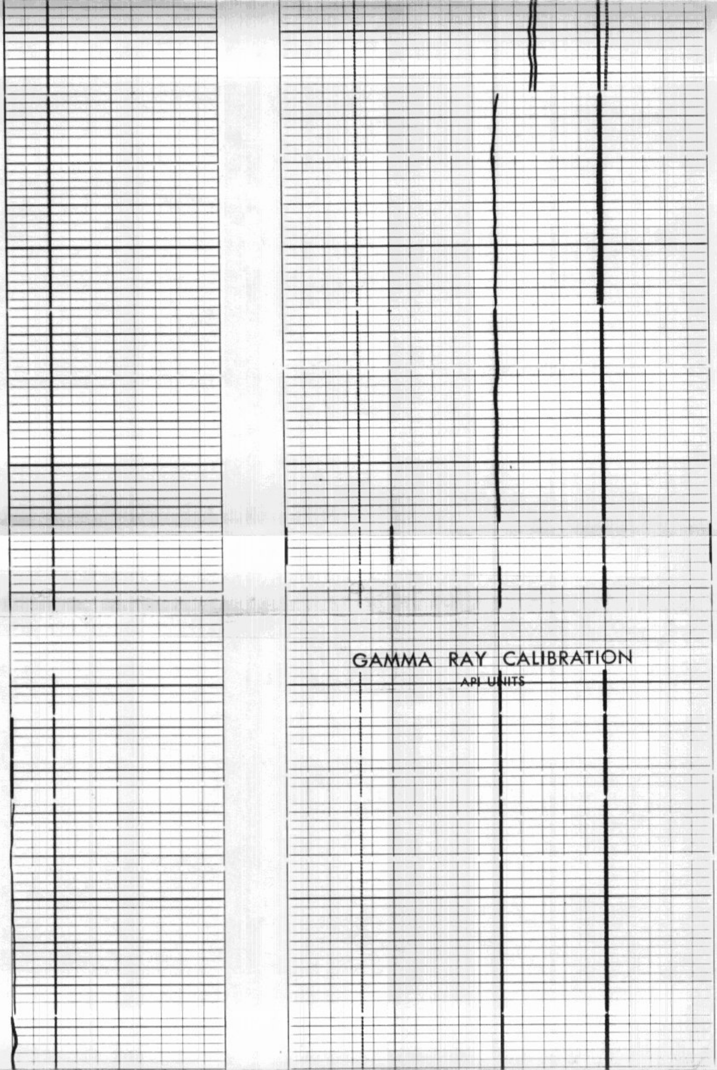
CALIBRATION RECORD

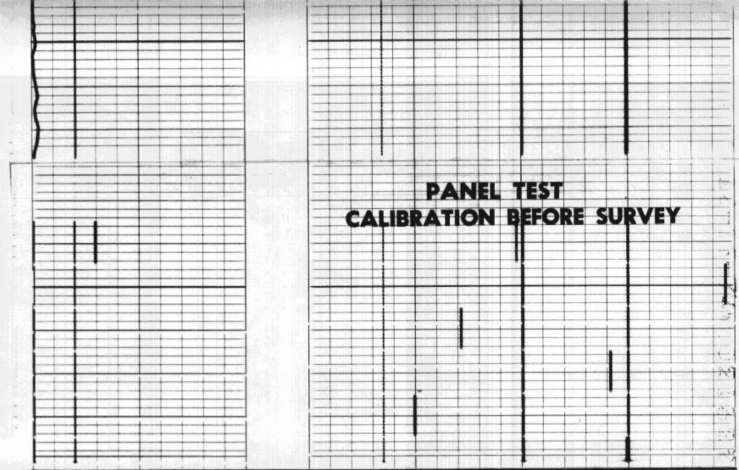


NEUTRON

CALIBRATION BEFORE SURVEY






PANEL TEST
CALIBRATION BEFORE SURVEY

CALIBRATION RECORD

COMPANY ANSCHUTZ - NCRA - DOW CHEMICAL CO.
WELL M.S. JAMESON #1
FIELD WILDCAT
COUNTY GENTRY STATE MISSOURI

SCHL. FR 2510
SCHL. TD 2511
DRLR TD 2514
Elev:
KB 1037
DF ----
GL 1030

SWS-1874-B