Schlumberger

DUAL SPACING THERMAL NEUTRON DECAY TIME

COUNTY COLUMBIA
FIELD IST NEHALEM BASIN
LOCATION 23-7N-5W
WELL LONGVIEW FIBER
12-33
COMPANY REICHHOLD ENERGY

COMPANY REICHHOLD ENERGY CORPORATION

WELL LONGVIEW FIBER 12-33

FIELD MIST NEHALEM BASIN

COUNTY COLUMBIA **STATE** OREGON

LOCATION: 1763'S & 705'E FROM THE NW CORNER OF:

API SERIAL NO	SEC	TWP	RANGE
	23	7N	5W

Other Services:

Permanent Datum: GL ; Elev.: 887.9
Log Measured From KB 11.4 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 899.3
D.F.
G.L. 887.9

Date	6-10-82		
Run No.	ONE		
Depth—Driller	2427		
Depth—Logger (Schl.)	2367		
Btm. Log Interval	2361		
Top Log Interval	1000		
Type fluid in hole	GAS		
Salinity ppm Na Cl.	-		
Density	-		
Fluid level	-		
Max. rec. temp., deg F.	-		
Operating rig time	-		
Truck no. / D Truck no.	5774 / 4612		
Location	RKS CH		
Recorded by	MOFFETT		
Witnessed by	STINSON		

RUN	BORE-HOLE RECORD			CASING & TUBING RECORD				
No.	Bit	From	To	Size	Wgt.	Remarks	From	To
	6 1/4			4 1/2	10.5		SURF	TD
				7			SURF	441
				2-3/8	4.7		SURF	2226

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

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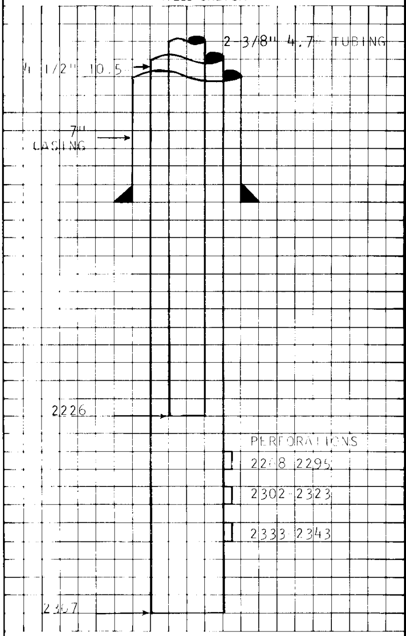
Log depths of these records relate to:
Schlumberger line measurements ☒
Correlated by Radioactivity Log measurements ☐

WELL SKETCH



Indicate: Hole deviation in production zone. Open hole diameter. Diameter and weight of casing and tubing. Position, nature and date of perforations (bullets, SC, capsules etc.). Depth of all plugs and packers. Annulus fluid type.

EQUIPMENT DATA

Run No.	ONE		
Logging Unit	5774		
Location	4405		
TNP-	LA-57		
CAL-	QB-363		
TNC-	KB-406		
TNC-	KA-405		
TND-	KC-408		
TNG-	-		
SGT-	CA-479		

CALIBRATION DATA

Run No.			ONE		
TYPE LOG	GR	BKG. CPS	70		
		Source CPS	350		
		Tc	6		
	TDT NEAR N3	BKG. CPS	0		
		Source CPS	480		
	TDT FAR F3	BKG. CPS	0		
		Source CPS	680		

Time

Run No.	ONE		
Service Order No.	183756		
Fluid Type in Tbg-Csg Annulus	-		
Annulus Fluid Salinity, ppm Na. Cl	-		
Estimated Cement Top	1790		
Source of Cement Top	CBL		
Sigma Produced water			
Source of Sigma $_w$	-		
Csg Collars Recorded	23 ft. DEEP	ft.	ft.
Perforations	2268-95. 2302-23. 2333-43		

REMARKS:

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

RUN NUMBER →	ONE
PASS NUMBER →	ONE
DATE	6-10-82
WELL CONDITION	SHUT
OIL RATE (SURF)	-
GAS RATE	-
WATER RATE	-
WELLHEAD PRESSURE	850
BOTTOM LOGGED INTERVAL	2361
TOP LOGGED INTERVAL	1000
SPEED	900/1800
TIME CONSTANT	4/2

BACKGROUND FAR cps

0 1000

GAMMA RAY API UNITS

0 150

0.1 QUALITY 1.1

DEPTH

NEUTRON CAPTURE CROSS SECTION Σ, capture units (cu 10^{3}cm^{2}/cm^{3})

60 30 0

RATIO

6 1

Casing Collars

Recorded collars

Memorized collars, corrected depth

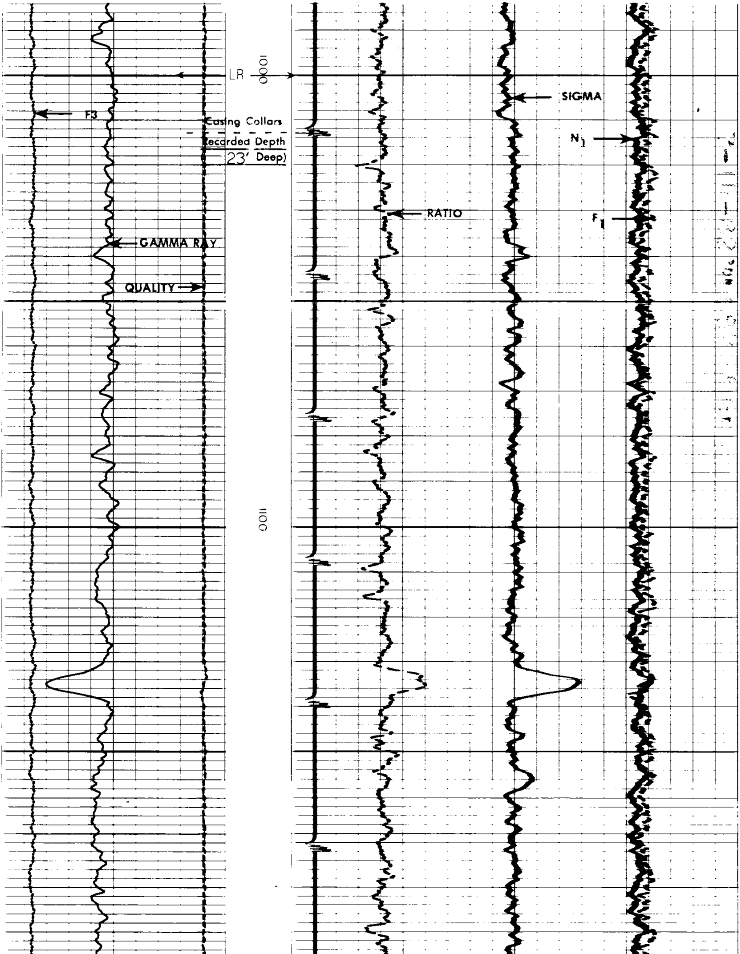
Recorded collars

FAR cps

1000 0

NEAR cps

6000 0



KODAK SAFETY FILM
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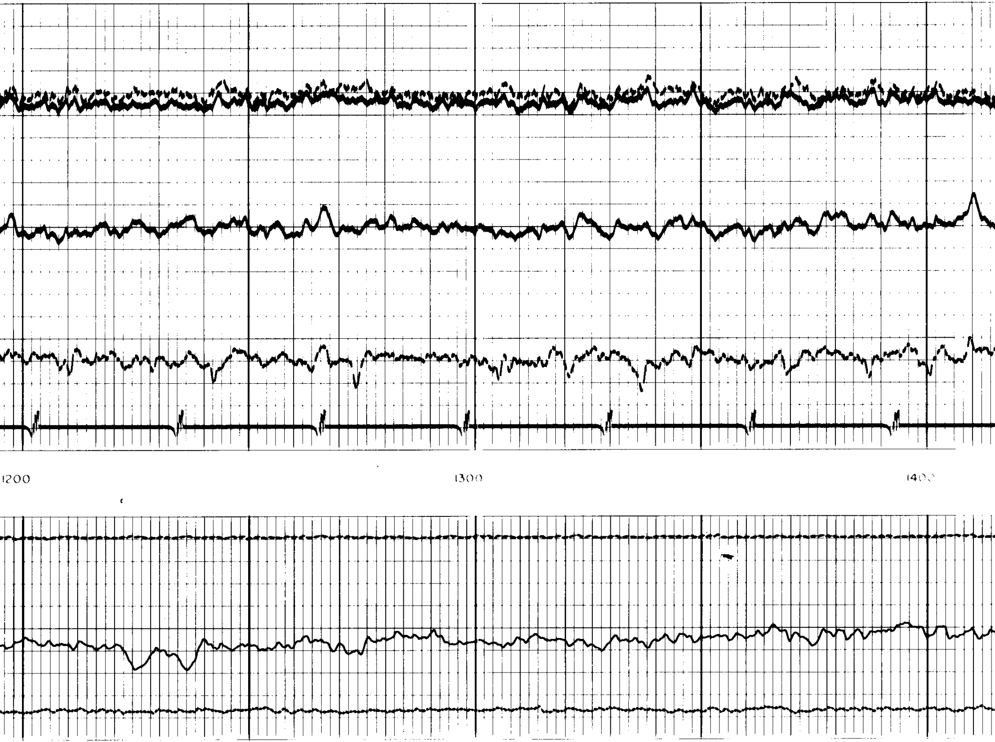

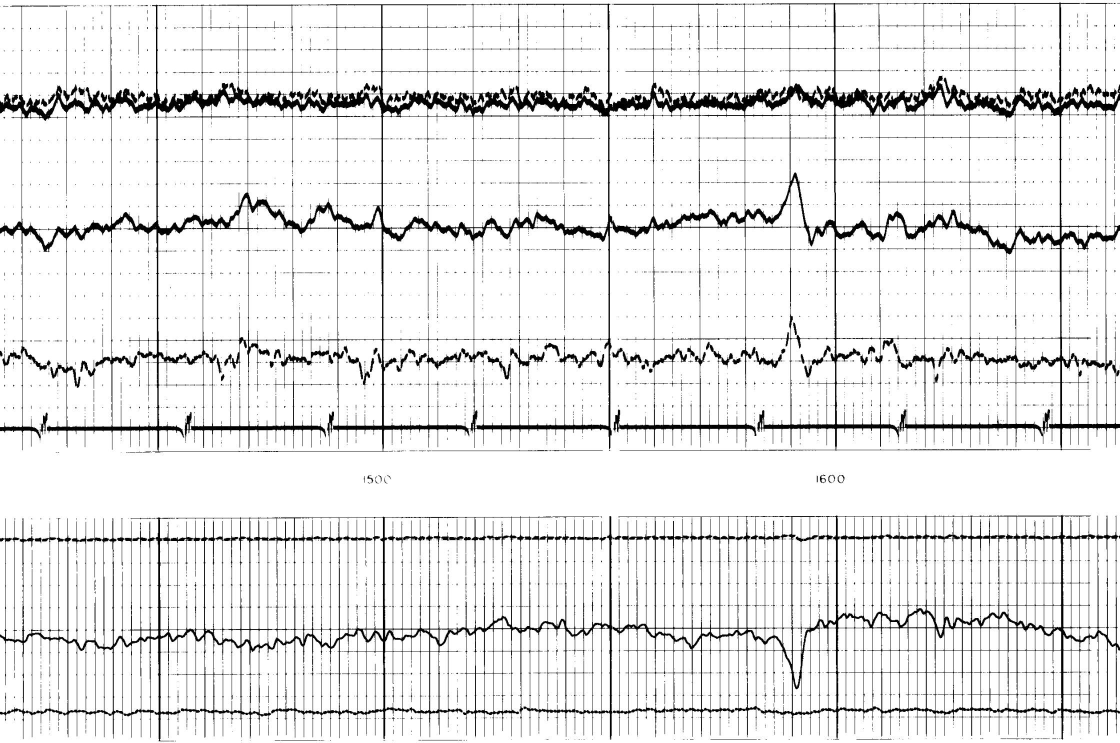

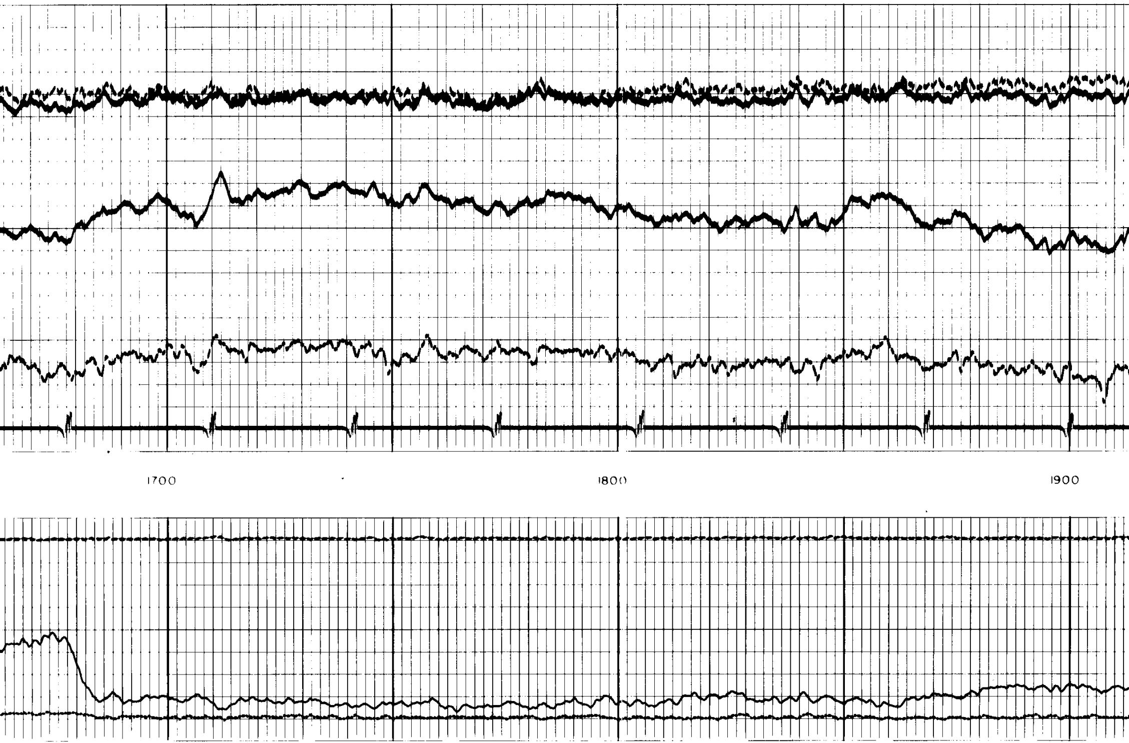

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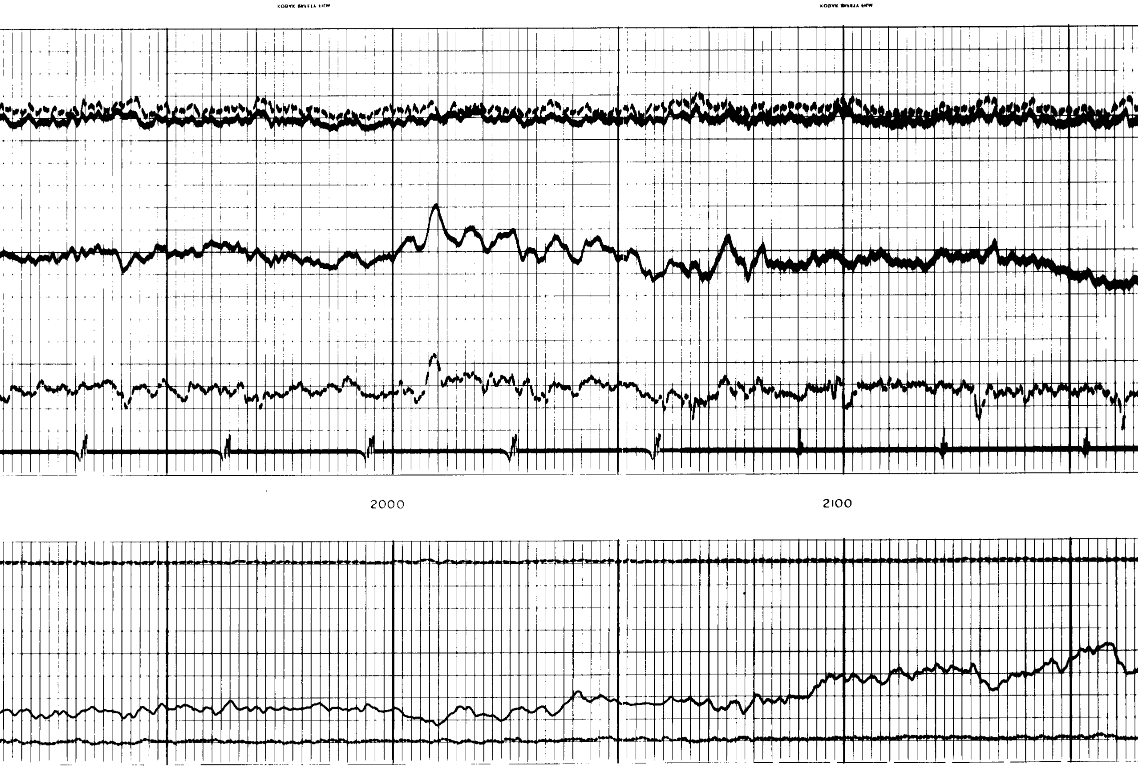
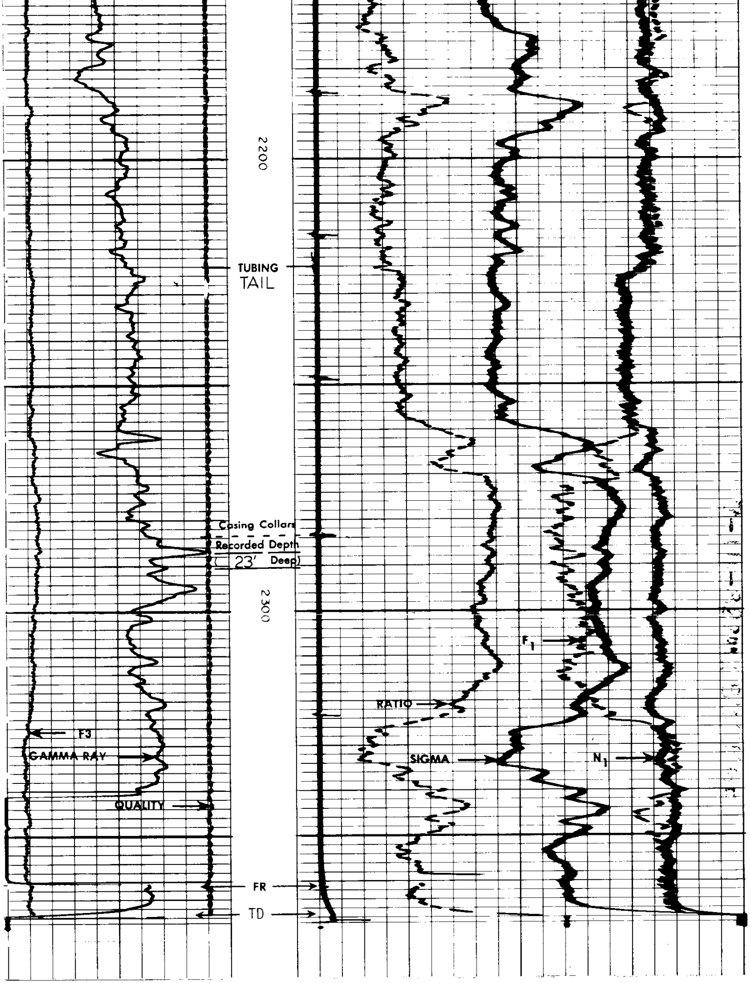
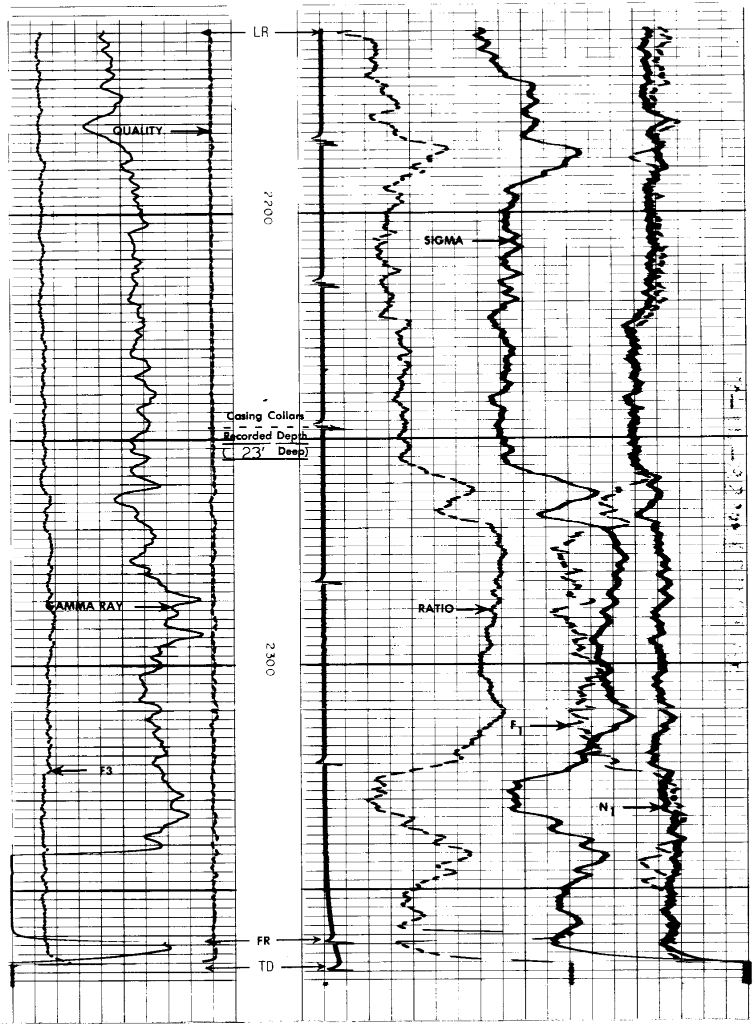


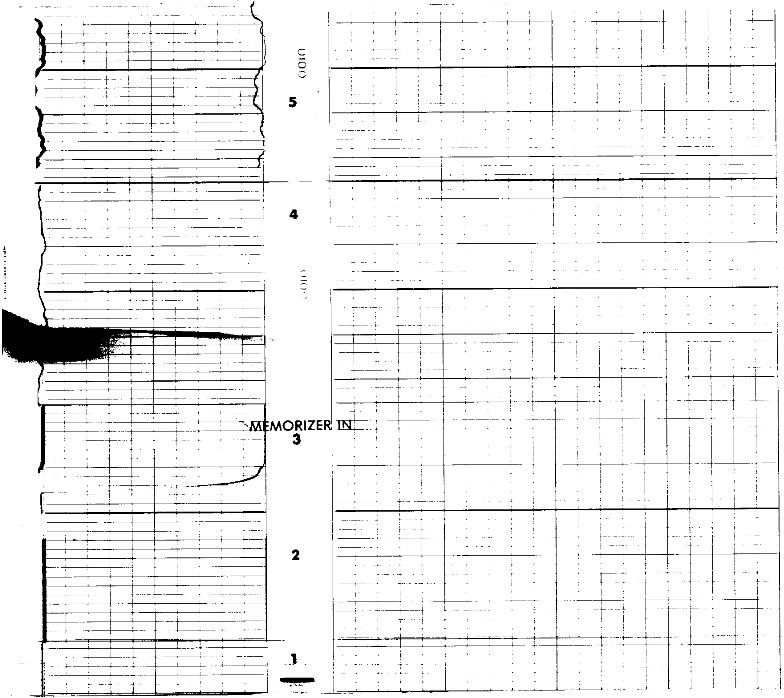


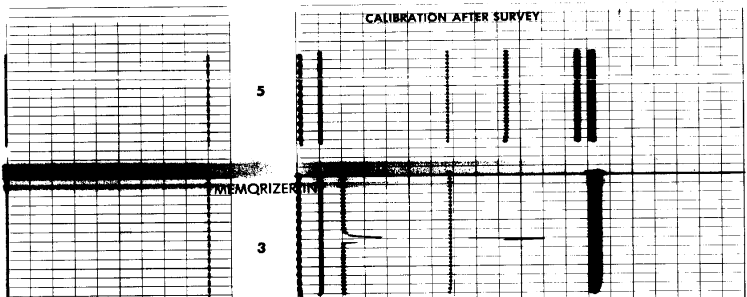
REPEAT SECTION

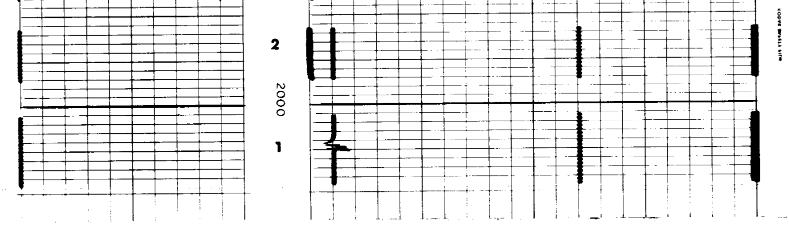
RECORDED 2 FT. SHALLOW



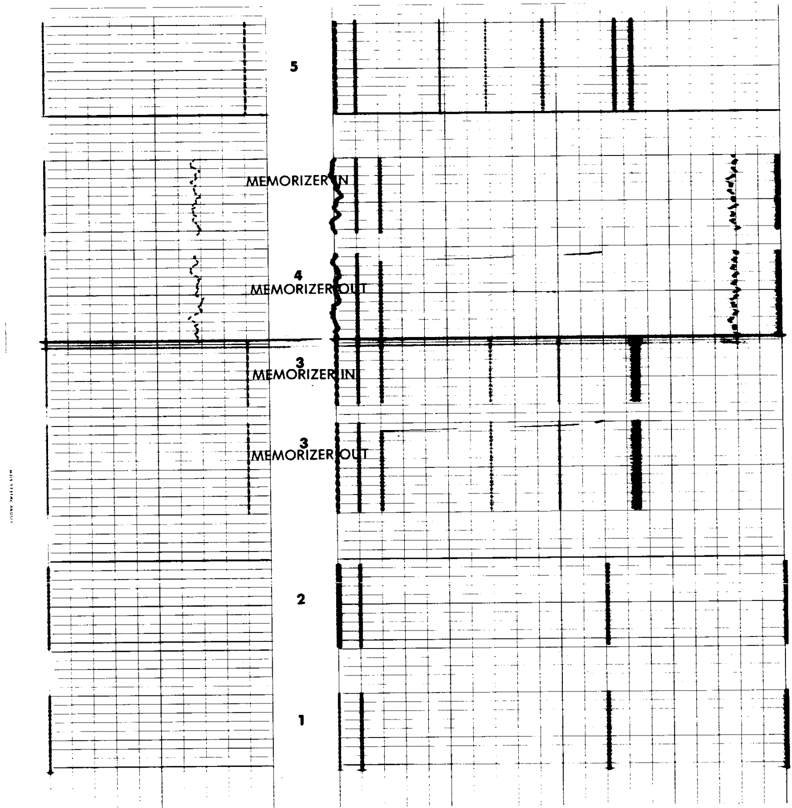
GAMMA RAY CALIBRATION







CALIBRATION BEFORE SURVEY



DUAL SPACING TDT CALIBRATION

STEP		Σ	τ	RATIO	N_1	F_1	F_3
1.	ZERO	0	100	0	0	0	0
2.	CALIBRATION (1)	60	100	0	0	0	0
3.	CALIBRATION (2)	20	300	5 ± .5	4000	2000	2000 ± 200 (uncalibrated)
3.	ADJUST RATIO MEMORY SENSITIVITY	20	300	SAME VALUE READ ABOVE	4000	2000	2000 ± 200
4.	RATIO CALIBRATION SOURCE IN PLACE	—	—	5	—	—	—
5.	PANEL TEST	22.7	200	1.0 - 1.5	4000	2000	2000 ± 200

GAMMA RAY CALIBRATION

1. ZERO
2. RECORDER SENSITIVITY
3. MEMORY SENSITIVITY
4. BACKGROUND CANCEL
5. CALIBRATE - SOURCE IN PLACE