Case No.

2045

Large Exhibits

N.N.M.C.F. MICROGRAPHICS

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WELEX

CASE NO. 2045
EXHIBIT NO. 2

INDUCTION LOG

COMPANY THE OHIO OIL COMPANY
WELL LEA UNIT FEDERAL # 1
FIELD WILDCAT
COUNTY LEA
STATE NEW MEXICO

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
CASE NO. 2045
EXHIBIT NO. 2

Location: 1980' FSL 660' FWL
SEC. 12
RGE. 34-E

Other Services: GR-NG
ELECTRIC
FORXO

	Sec.	Twp.	Rge.	Elevation
				KB 3674
Permanent Datum: GROUND LEVEL			Elev. 3656	DF 3672
Log Measured From: KELLY BUSHING				GL 3656
Drilling Measured From: KELLY BUSHING				

Run No.	1	2	3
Date	5-4-60	5-20-60	6-26-60
Total Depth Driller	9,628	14,732	14,735
Total Depth Welex	9,629	14,732	14,724
Csg. Shoe Driller	4,515	4,515	14,080
Csg. Shoe Welex	"	"	14,072
Survey Begins	6,400	14,109	14,730
Survey Ends	4,500	6,400	14,109
Csg. Size	9-5/8"	9-5/8"	7"
Bit Size	8-3/4"	8-3/4"	6"
Mud Data — Type	WATER BASE GEL-DRISCOSE-LIME CAUSTIC-Q-BROKIN		
Weight	8.9	10.0	9.5
Viscosity	37	53	84
Wtr. Loss cc/ 30 min.	12	12	8
Sam. @ Surface Temp.	68 @ 72°F	87 @ 72°F	86 @ 76°F
Sam. @ Max. Hole Temp.	135 @ 127°F	207 @ 209°F	207 @ 211°F
Rmf @	1.0 @ 82°F	17 @ 209°F	1.0 @ 211°F
Rmc @	1.5 @ 82°F	"	1.78 @ 95°F
Source Mud Sample	PIT	CIRCULATED	PIT
Recorded By	J.G.GIBER	G.E.ALVARES	G.E.ALVARES
Witnessed By	MR.BRINBERRY	MR.KOLLAJA	MR.BARKER
Logging Tool No.	10038	10038	10038

REMARKS: RECORDED SPOTS ON LOG INDICATE G/R LOGGING SPEED
NOTE: Run #1 & #2 Logged on Bore Hole Compensated Sonic Log
Run #2 Logged on Run #2 and Run #3 Logged as SUCC.

CONDUCTIVITY MILLIMHOS/M: 0 — 200 — 400 — 600 — 800 — 1000

RESISTIVITY OHMS M²/M (14,109'-14,730'): RUN #2 — 18" NORMAL: 0 — 100 — 1000; RUN #3 — 40" INDUCTION: 0 — 100 — 1000

POTENTIAL MILLIVOLTS: − 10 +; Rm .27 at 206 °F.

GAMMA RAY COUNTS/SEC.: 0 — 90 — 180

Boundary Curves Recorded: Normal 18" Long 64" — 40" INDUCTION

6400 6500 6600 6700 6800 6900 7000 7100 7200 7300

40" IND. CONDUCTIVITY

40" IND. RESISTIVITY

GAMMA RAY

1 MINUTE

V.A.M.C.F. MICROGRAPHICS
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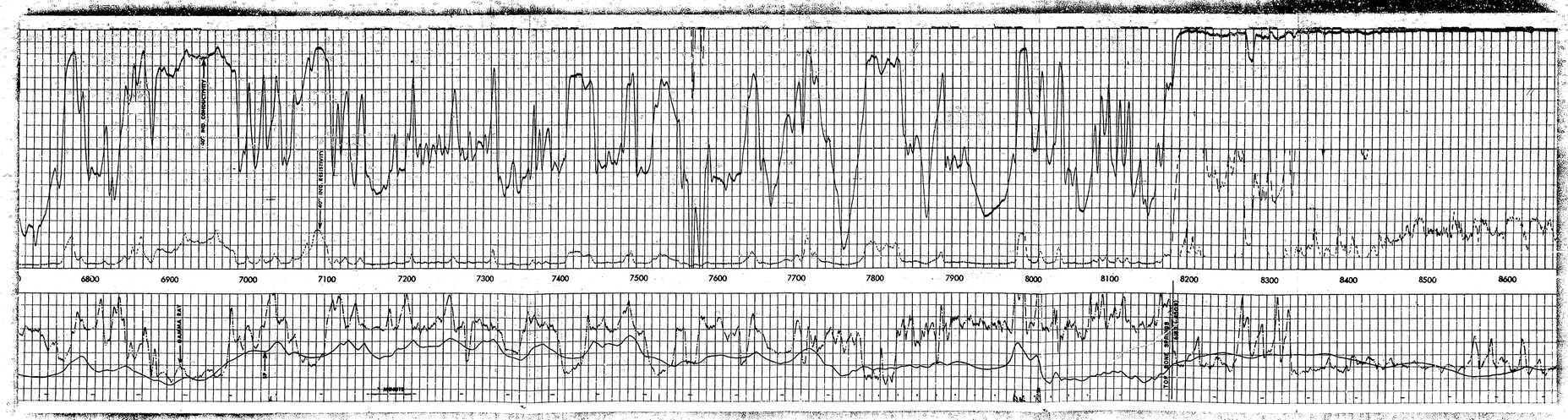

W.N.W.C.P. MICROGRAPHICS

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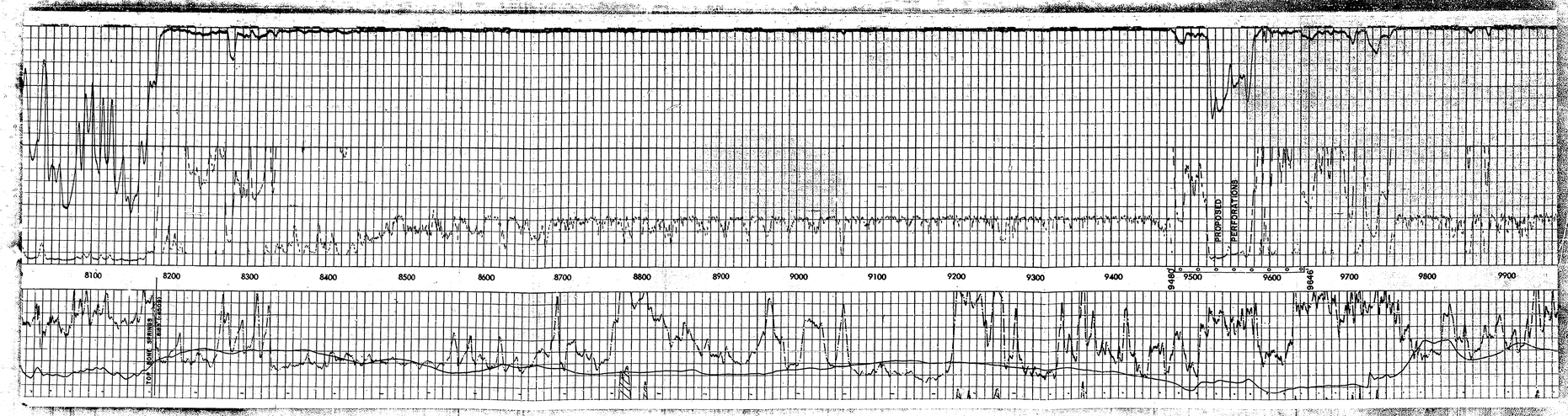

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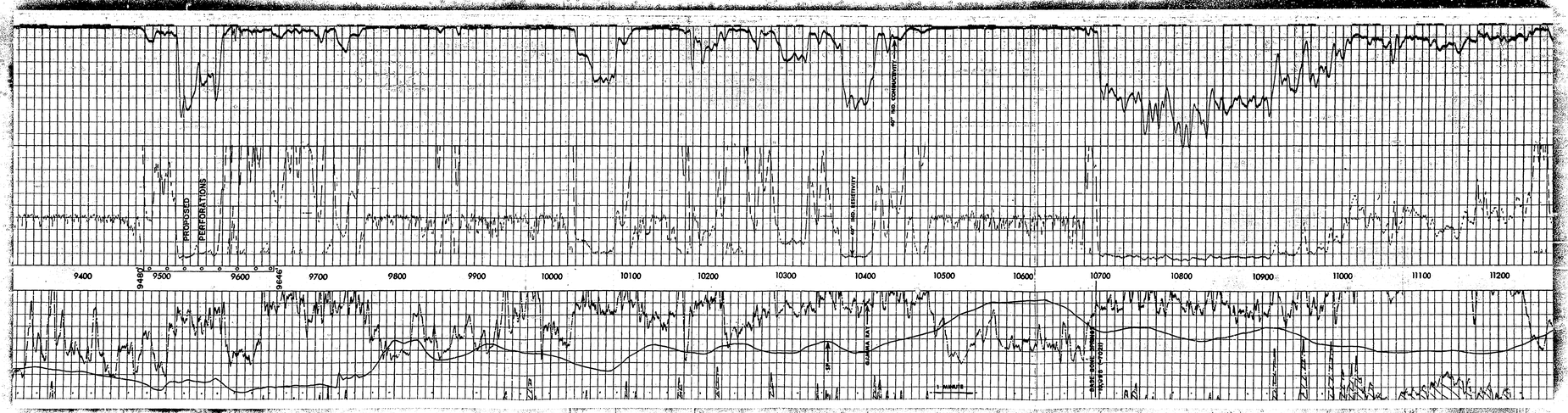

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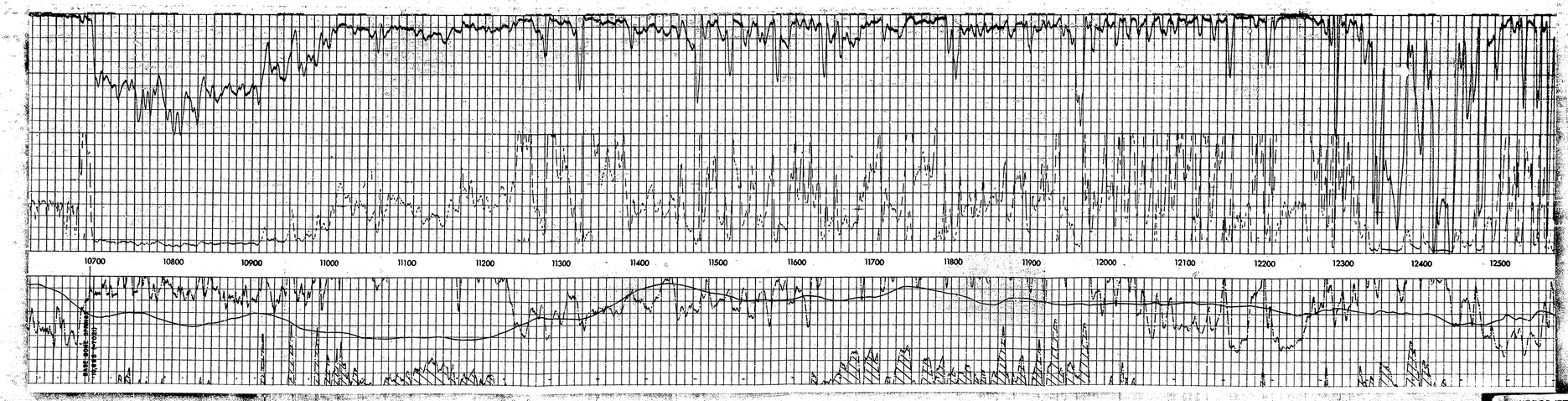

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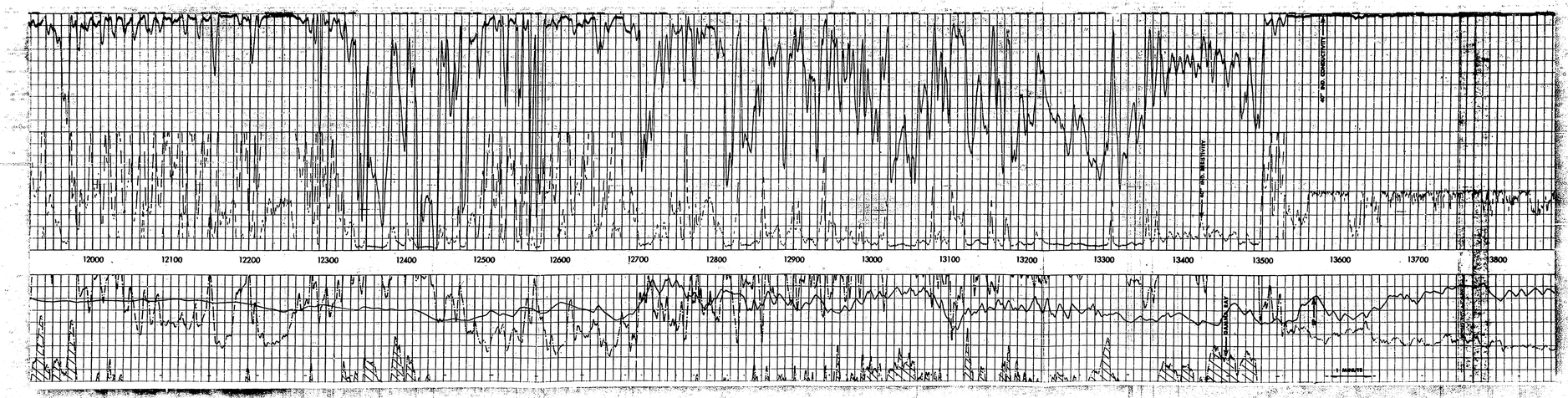

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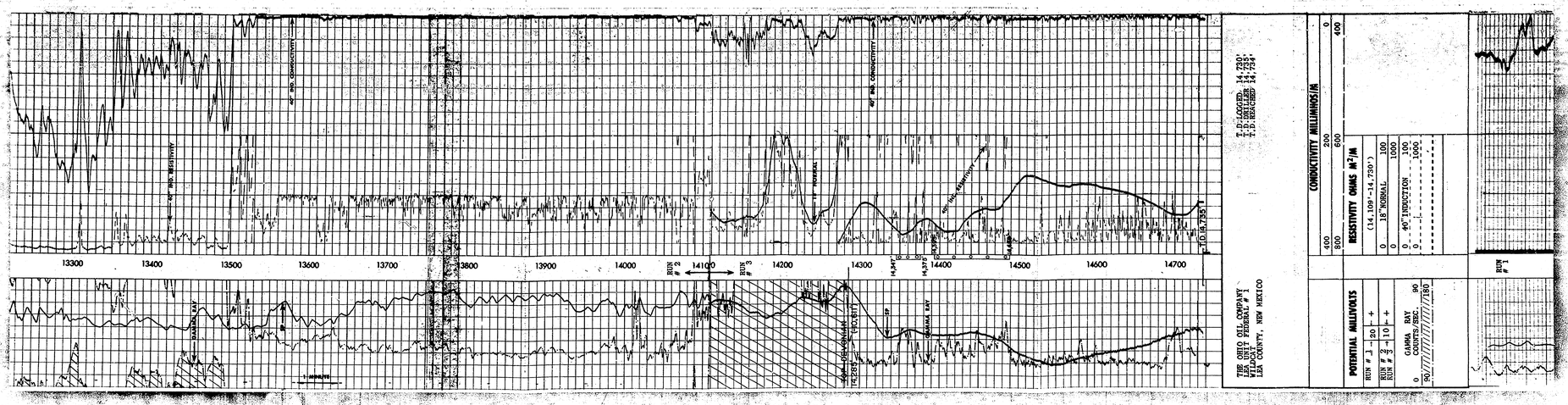

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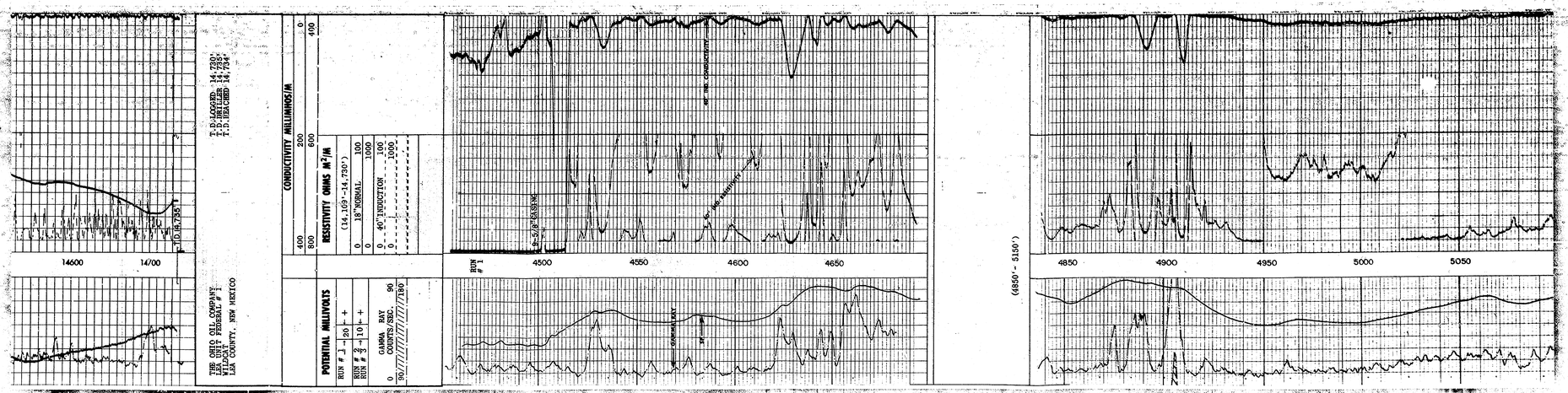

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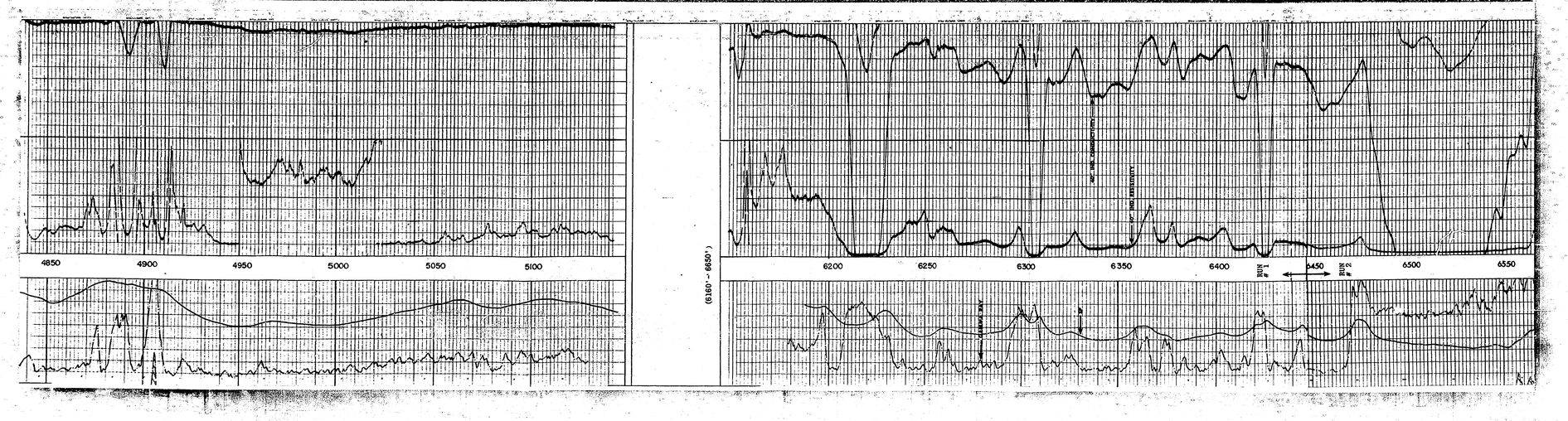

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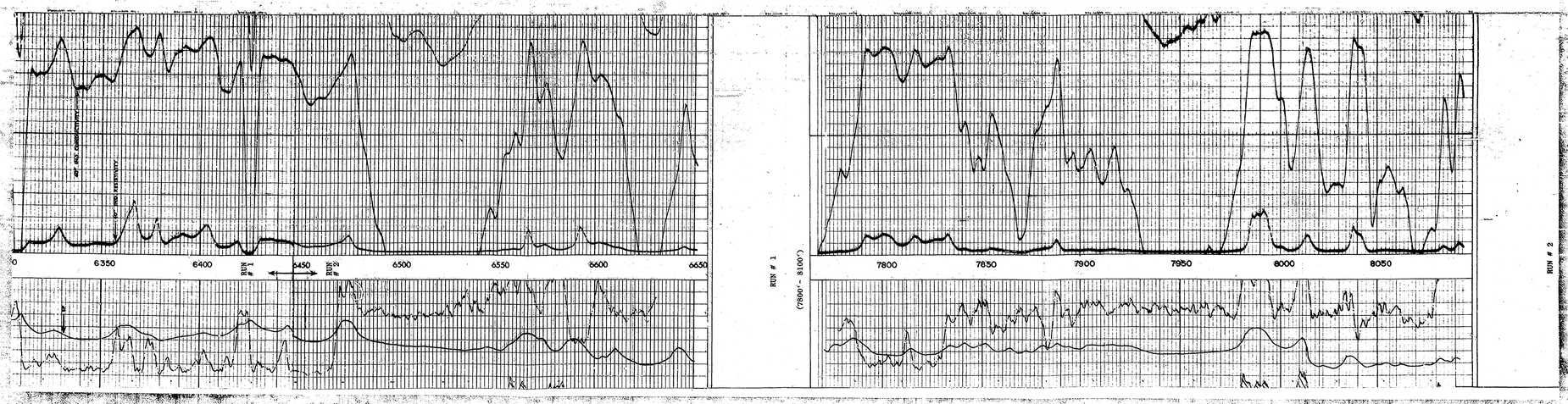

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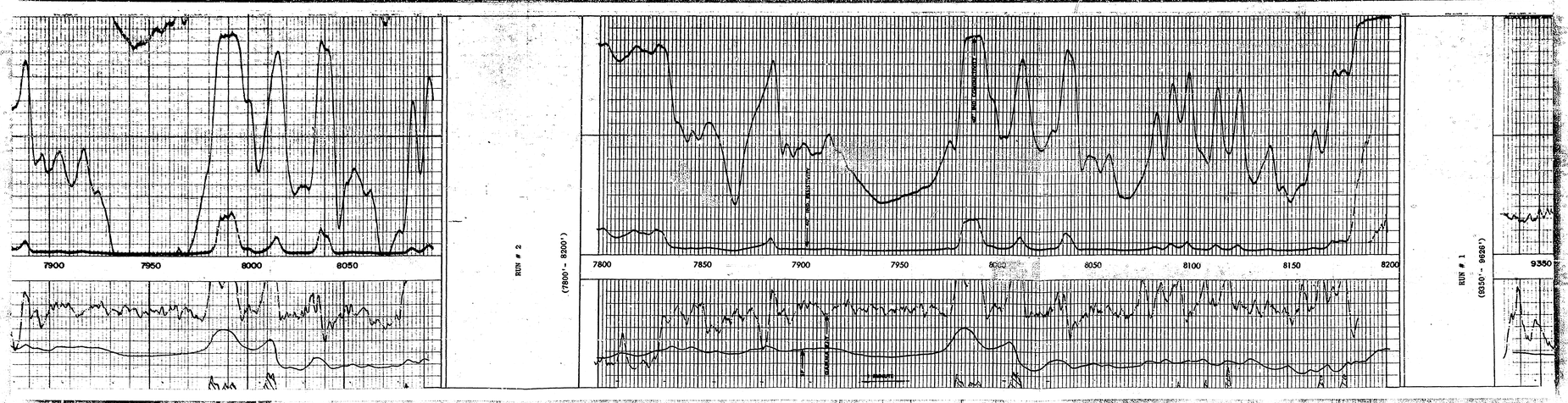

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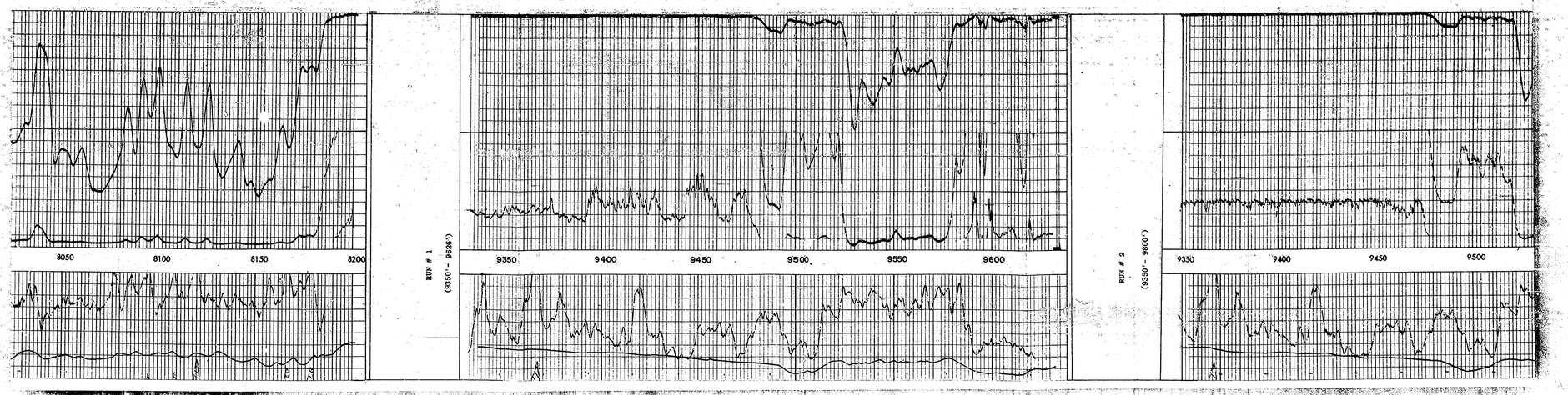

U.S.N.G.F. MICROGRAPHICS
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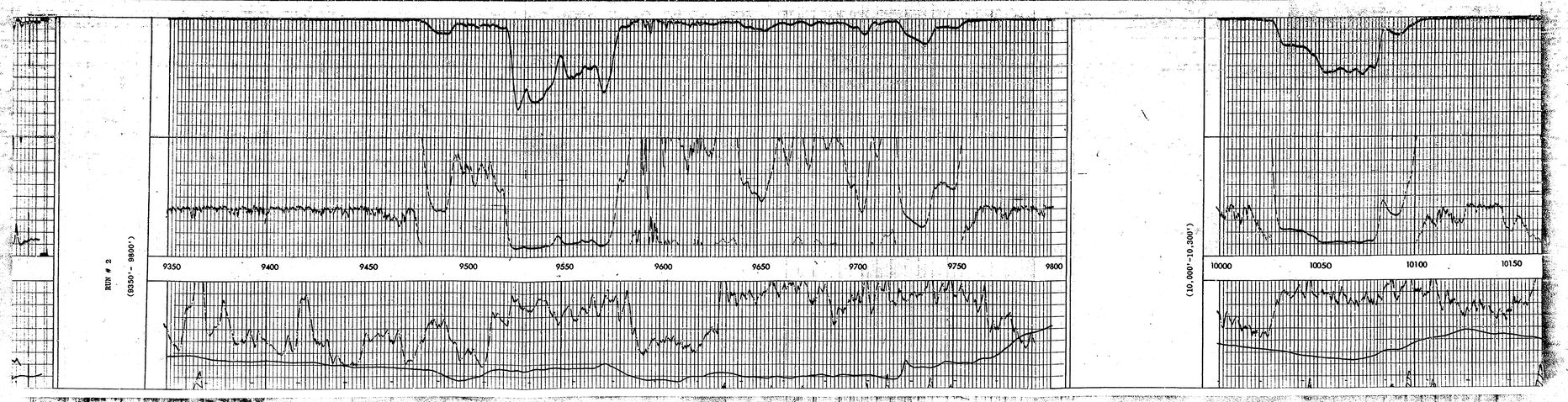

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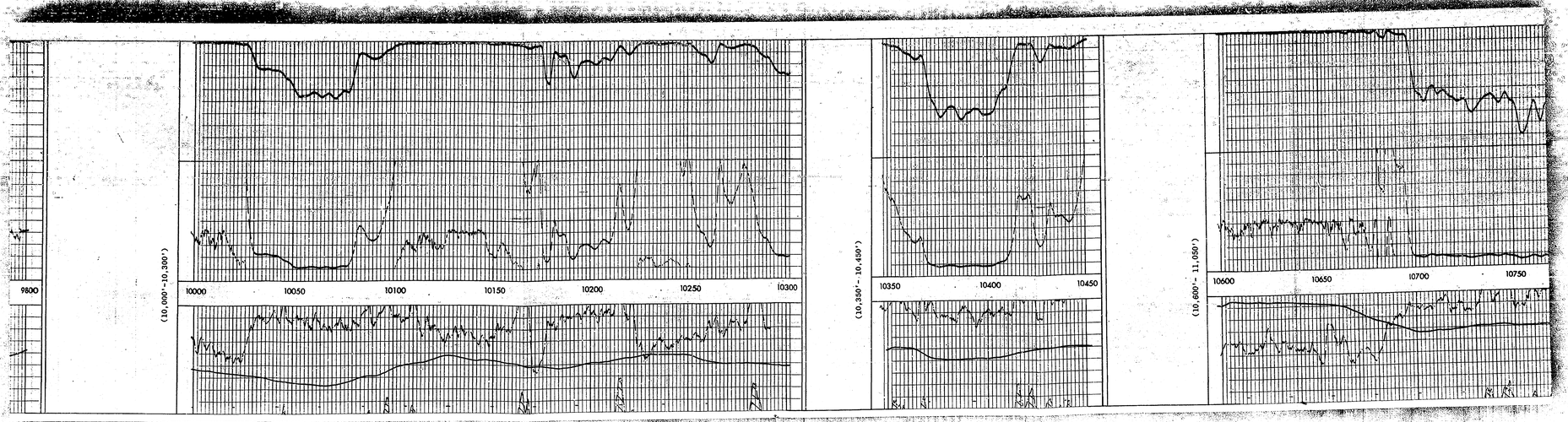

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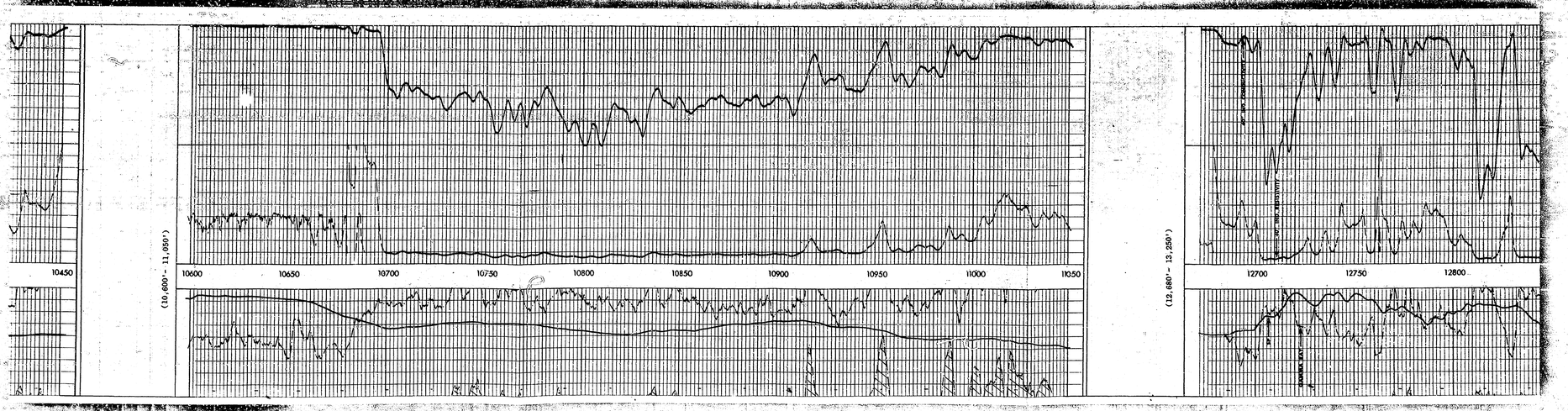

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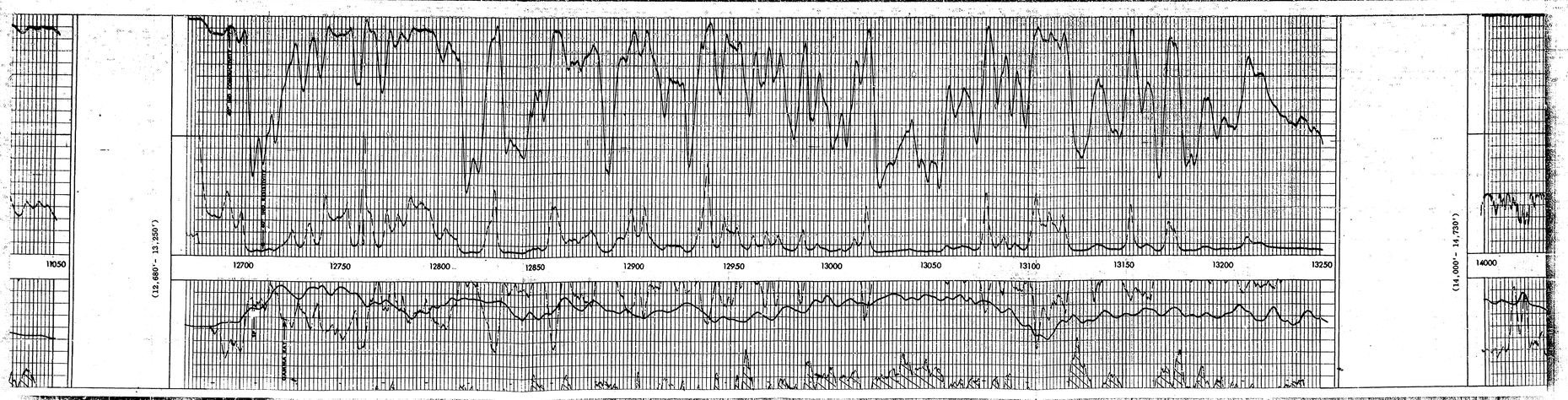

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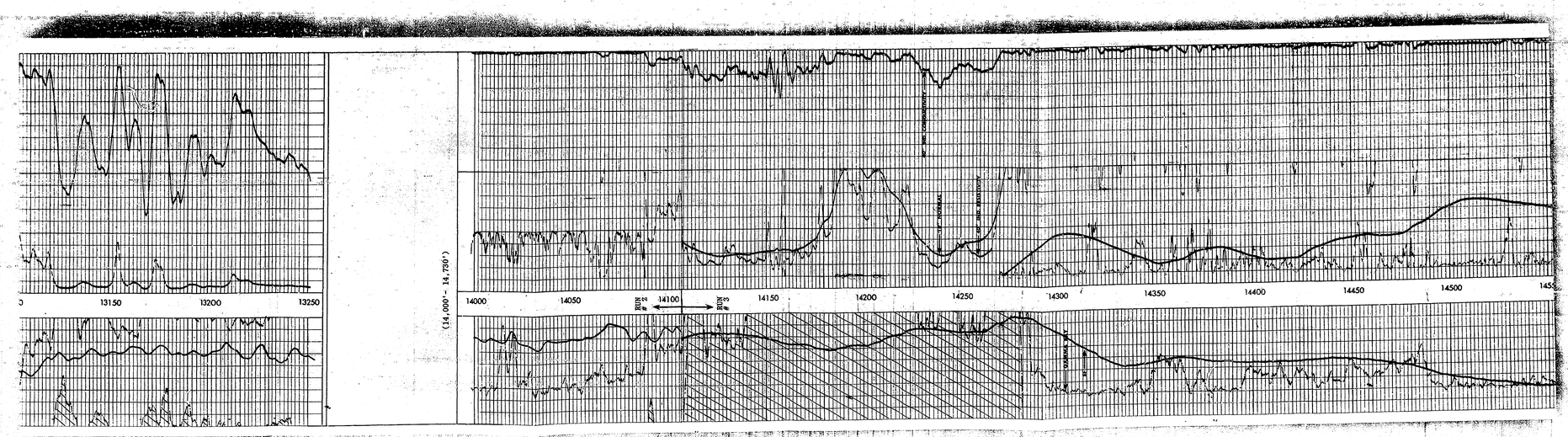

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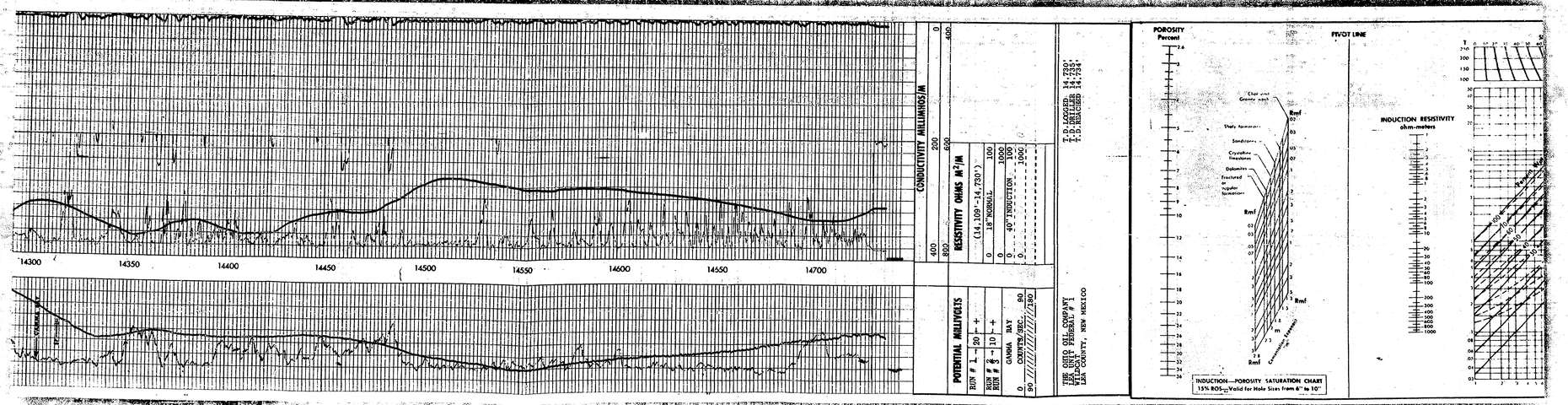
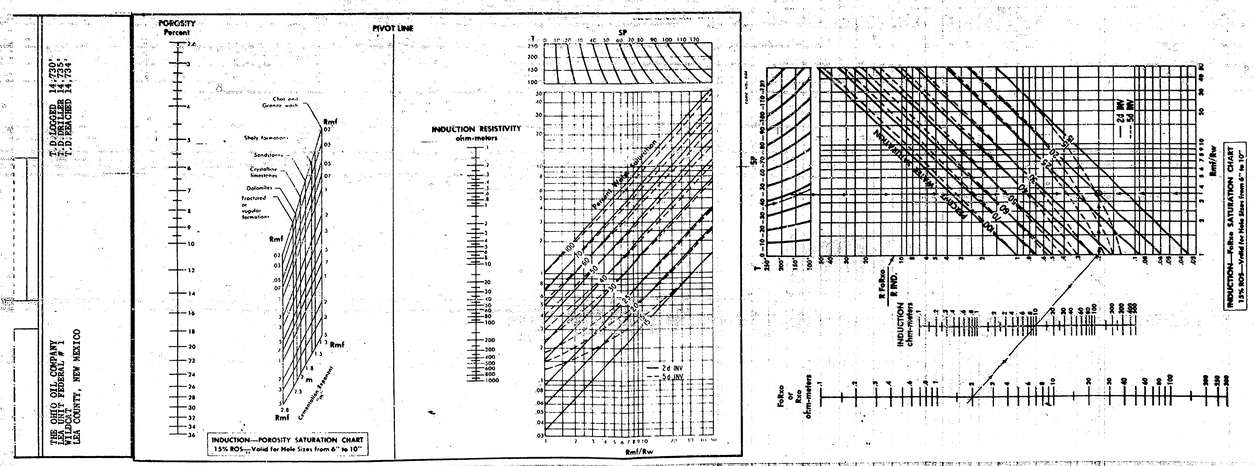

CONDUCTIVITY MILLIMHOS/M
0
400
200
600
400
800
RESISTIVITY OHMS M²/M
(14,709'-14,730')
16" NORMAL
0
100
0
100
40" INDUCTION
0
100
0
100
GAMMA RAY
0
80
COUNTS/SEC.
90
180
POTENTIAL MILLIVOLTS
RUN # 2 —
20
—
+
RUN # 3 —
10
—
+
14300
14350
14400
14450
14500
14550
14600
14650
14700
T.D. LOGGED 14,730'
T.D. REACHED 14,730'
T.D. REACHED 14,733'
THE OHIO OIL COMPANY
WELL NO. FEDERAL # 1
WILDCAT
LEA COUNTY, NEW MEXICO
POROSITY
Percent
PIVOT LINE
INDUCTION RESISTIVITY
ohm-meters
Clear water
Granite wash
Shale formations
Sandstone
Crystalline limestone
Dolomite
Fractured or regular formation
Rmf
Rmf
Rmf



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