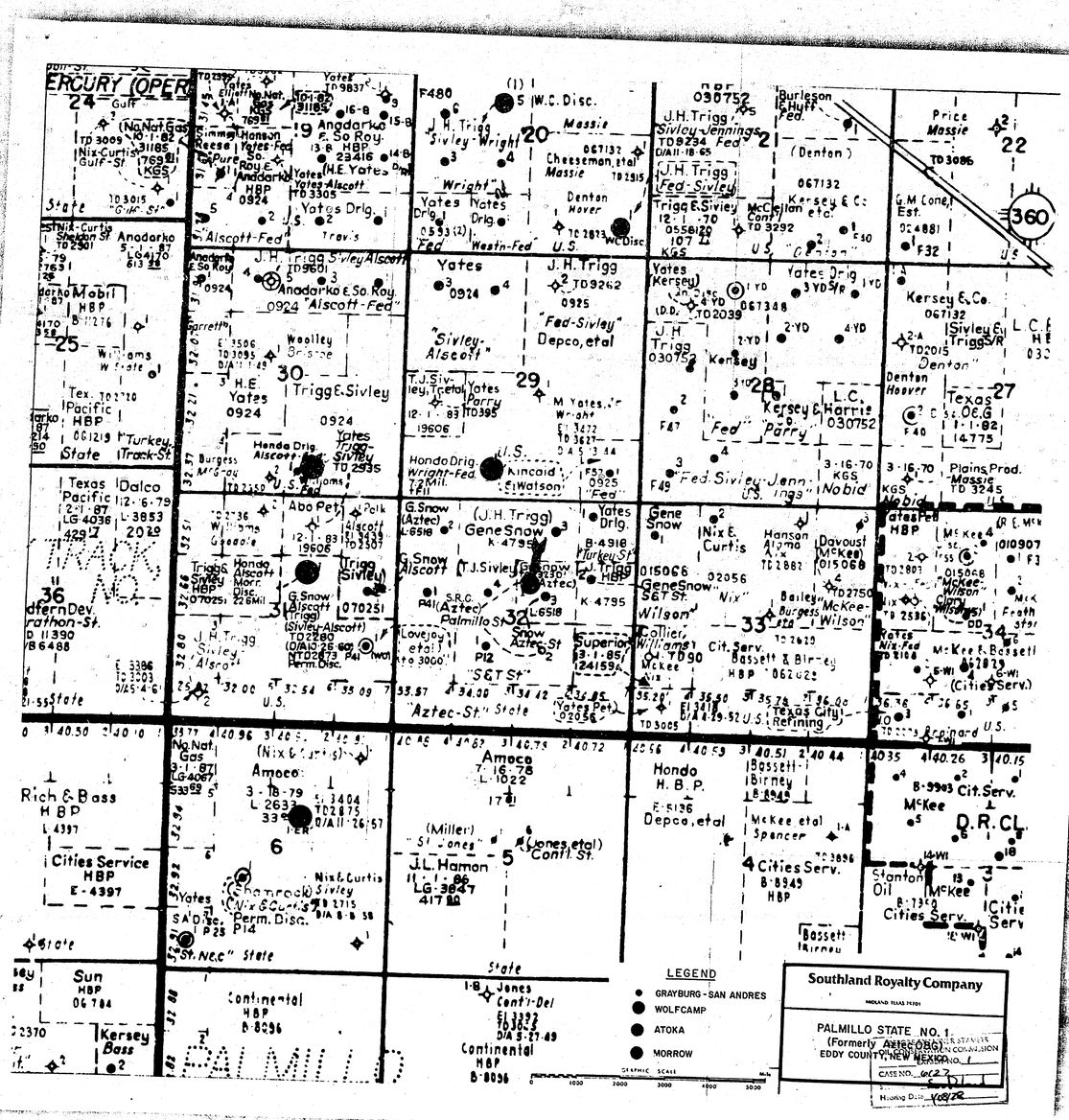
Case No
6127

Large Exhibits


Southland Royalty Company
PALMILLO STATE NO. 1
(Formerly Aztec Oil & Gas)
EDDY COUNTY, NEW MEXICO
LEGEND
GRAYBURG - SAN ANDRES
WOLFCAMP
ATOKA
MORROW
GRAPHIC SCALE
PALMILLO
Gulf
Mobil
Texas Pacific
Dalco
Amoco
Shamrock
Nix & Curtis
Hondo
Depco, etal
Cities Service
Continental
Sun
Kersey
Bass
Rich & Bass
Jones
Cont'l-Del
J.L. Hamon
Gene Snow
Anadarko
Yates
Trigg & Sivley
Kersey & Co.
Plains Prod.
Texas
Stanton Oil
Bassett & Birney
Cit. Serv.
Texas City Refining
Superior
Davoust
McKee
Wilson
Nix E. Curtis
Hanson
Bailey
Burleson
Price
Massie
Denton
Hoover
Parry
Sivley-Wright
Sivley-Alscott
Fed-Sivley
Sivley-Jennings
Aztec-St.
S&T St.
Palmillo St.
Turkey St.
Wilson St.
Nix-Curtis
Sheldon St.
Gulf-St.
Travis
Jones
Wright
Alscott
Aztec
Fed
State
U.S.
360

Dresser Atlas

DRESSER

Combination Logging Systems

Compensated **Densilog**
Compensated **Neutron**

FILE NO.	
COMPANY	AZTEC OIL & GAS COMPANY
WELL	PALMILLO STATE COMM. NO. 1
FIELD	NORTH TURKEY TRACK (MORROW)
COUNTY	EDDY STATE NEW MEXICO
LOCATION:	1731' FNL & 2310' FEL
	SEC 32 TWP 18-S RGE 29-E

Other Services: DLL/GR MLL

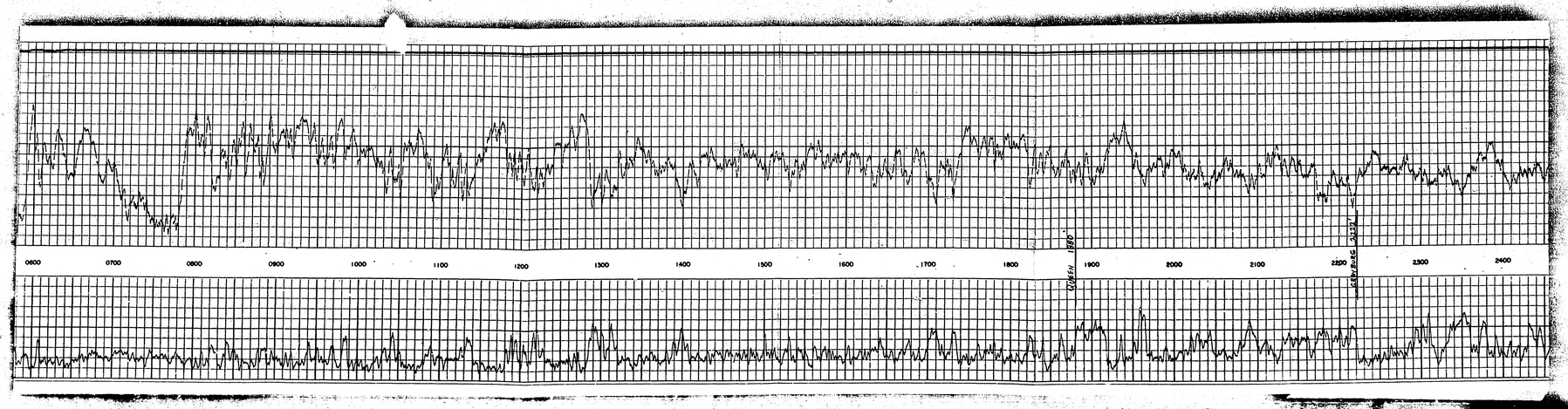
Permanent Datum: GROUND LEVEL — Elev.: 3633 — Elevations: KB 3648, DF, GL 3633

Log Measured from: K. B. — 15 Ft. Above Permanent Datum

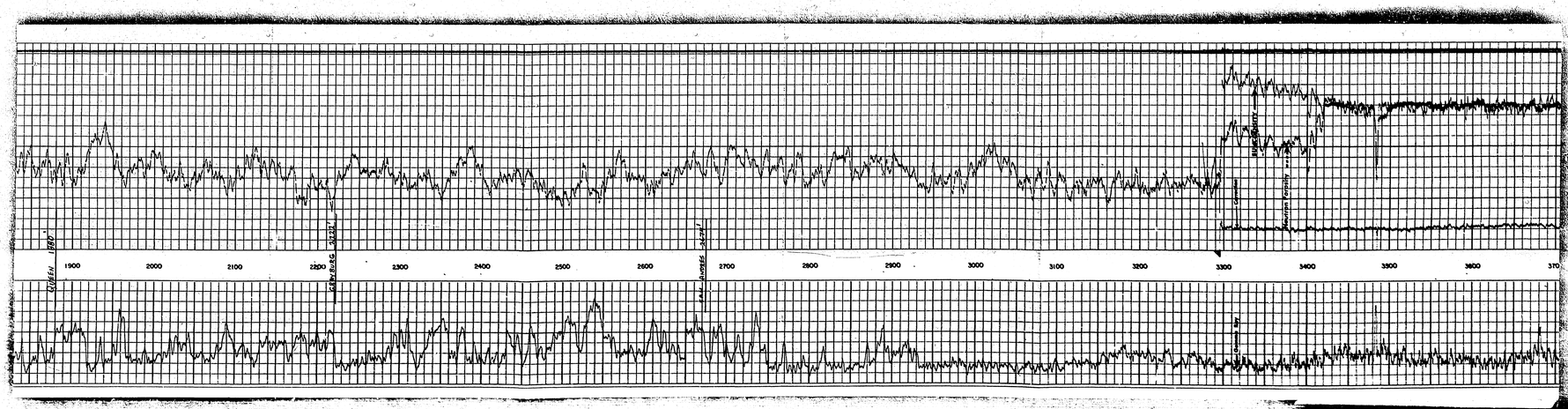
Drilling Measured from: K. B.

Date	11-8-77			
Run No.	ONE			
Service Order	88012			
Depth—Driller	11303			
Depth—Logger	11301			
Bottom Logged Interval	11299			
Top Logged Interval	SURFACE			
Casing—Driller	8 5/8@ 1309	@	@	@
Casing—Logger	1291			
Bit Size	7 7/8			
Type Fluid in Hole	SALT GEL			
Density and Viscosity	10			
pH and Fluid Loss	9.5	5.6cc	cc	cc
Source of Sample	PIT			
Rm @ Meas. Temp.	.020@ 84 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	.0152@ 84 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	@ °F	@ °F	@ °F	@ °F
Source of Rmf and Rmc	MEAS.		°F	°F
Rm @ BHT	.020@ 170°F	@ °F	@ °F	@ °F
Time Since Circ.	9 HOURS			
Max. Rec. Temp. Deg. F	170°F	°F	°F	
Equip. No. and Location	6721 HOBBS			
Recorded By	M. DUNCAN			
Witnessed By	RANKIN-SIVLEY-TERRELL			

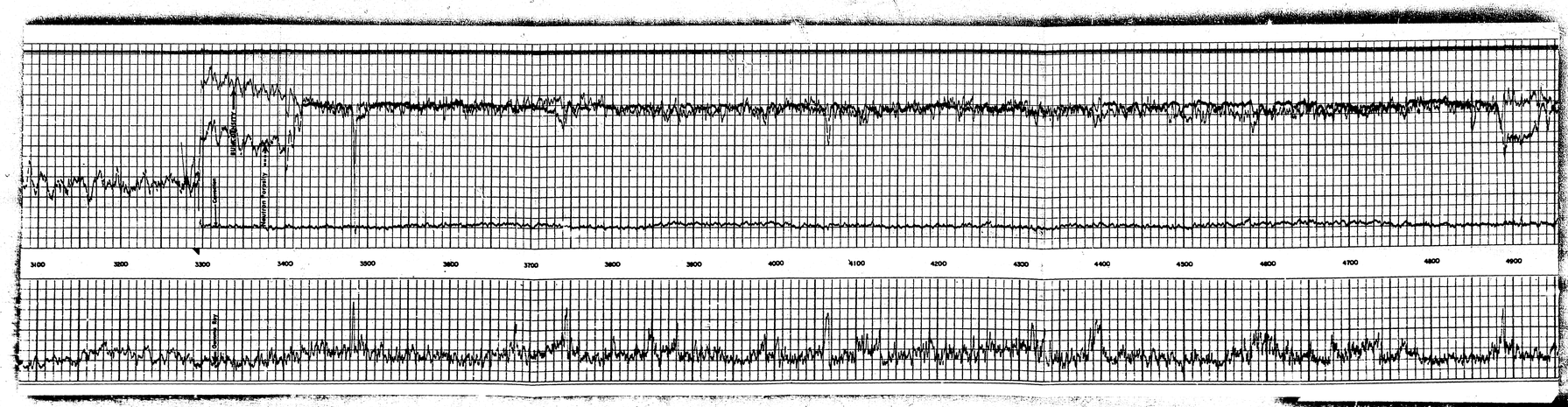
RUN NO. 1 — GR: Chk'd 11301 — 1300 — 5.5 — 1291 — 1291 — 1291



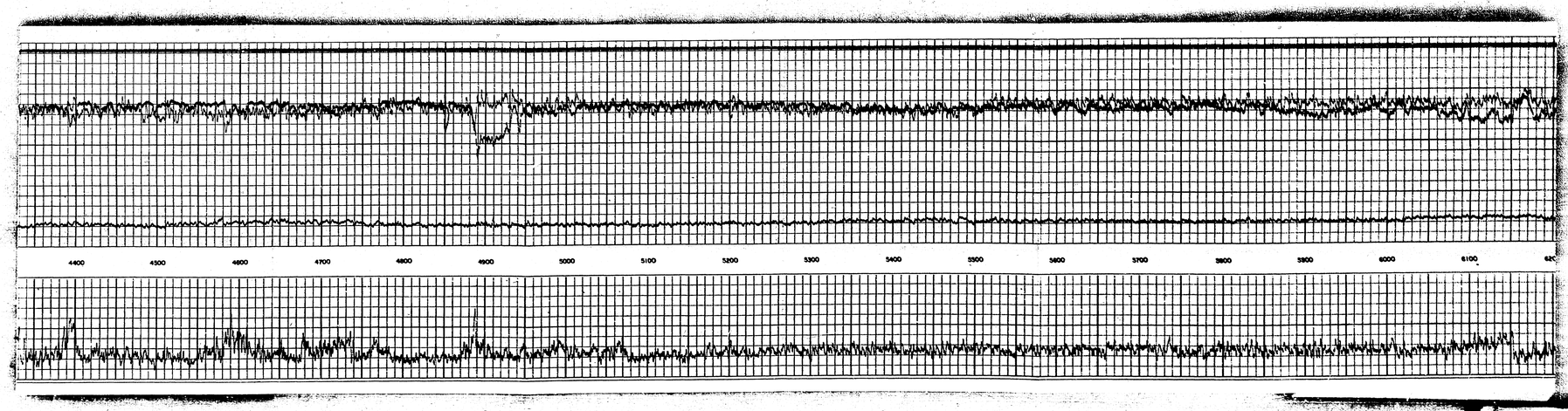
V.E.H.C.P. MICROGRAPHICS



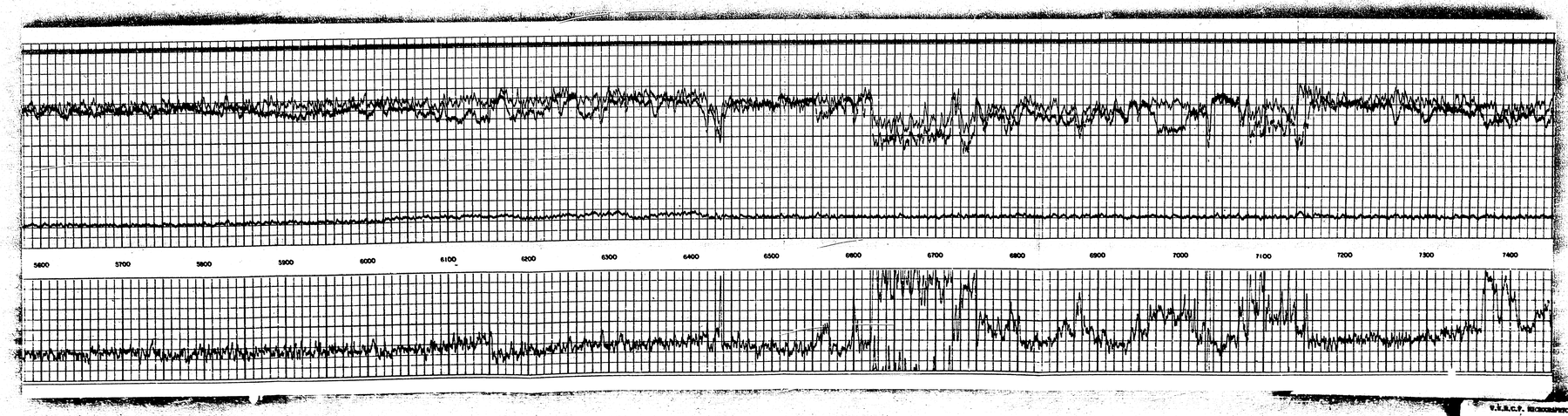
V.P.I.C.F. MICROGRAPHICS
BEST AVAILABLE COPY



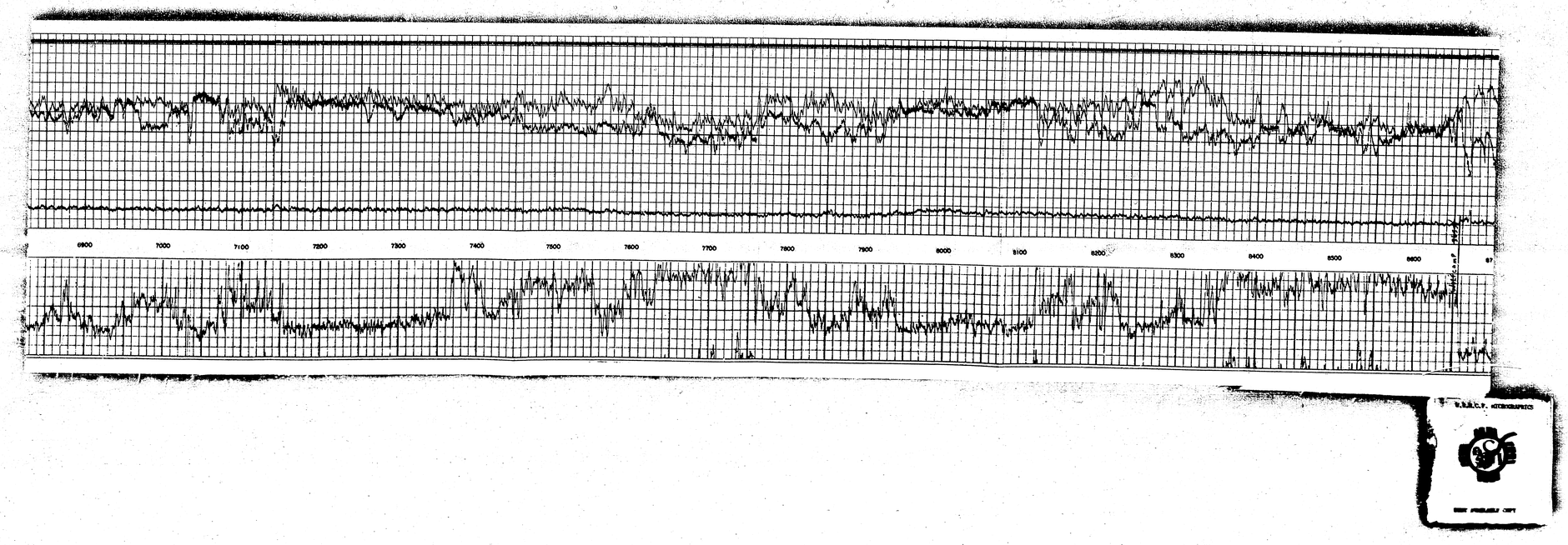
U.S.B.C.P. MICROGRAPHICS
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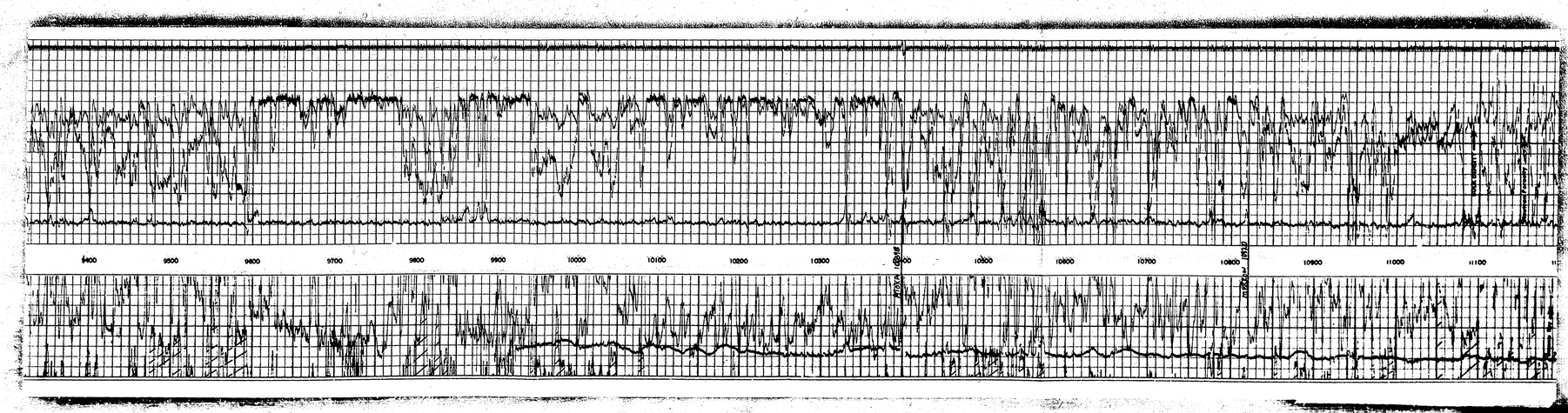
U.S.S.R.C.P. MICROGRAPHICS

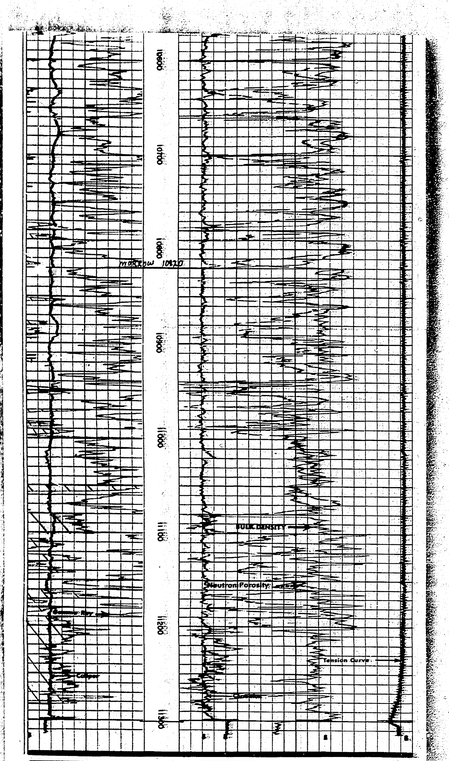


V.I.R.C.F. MICROGRAPHICS


6900
7000
7100
7200
7300
7400
7500
7600
7700
7800
7900
8000
8100
8200
8300
8400
8500
8600

8150
8200
8300
8400
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9800
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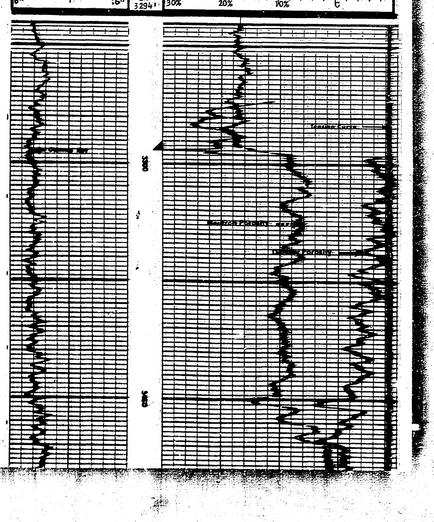

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9500
9600
9700
9800
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10000
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10500
10600
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10800
10900
11000
11100



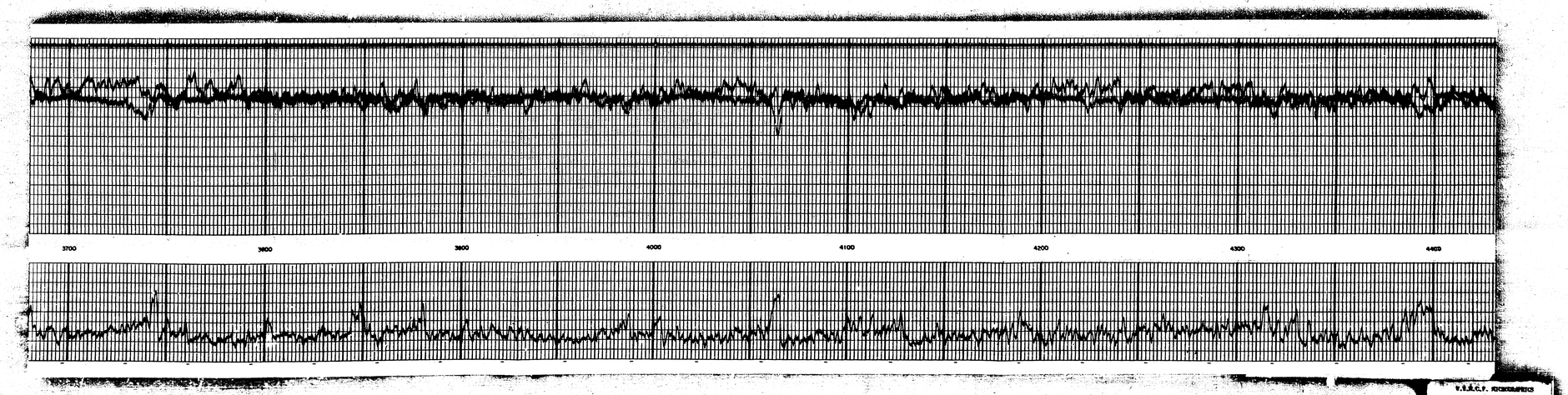
HOLE SIZE-INCHES		POROSITY LIMESTONE
CALIPER		COMPENSATED NEUTRON
		BULK DENSITY—POROSITY
API UNITS 10 API/CD		BULK DENSITY—GRAMS/CC
		CORRECTION CORRECTION
GAMMA RAY	DEPTH	COMPENSATED DENSILOG

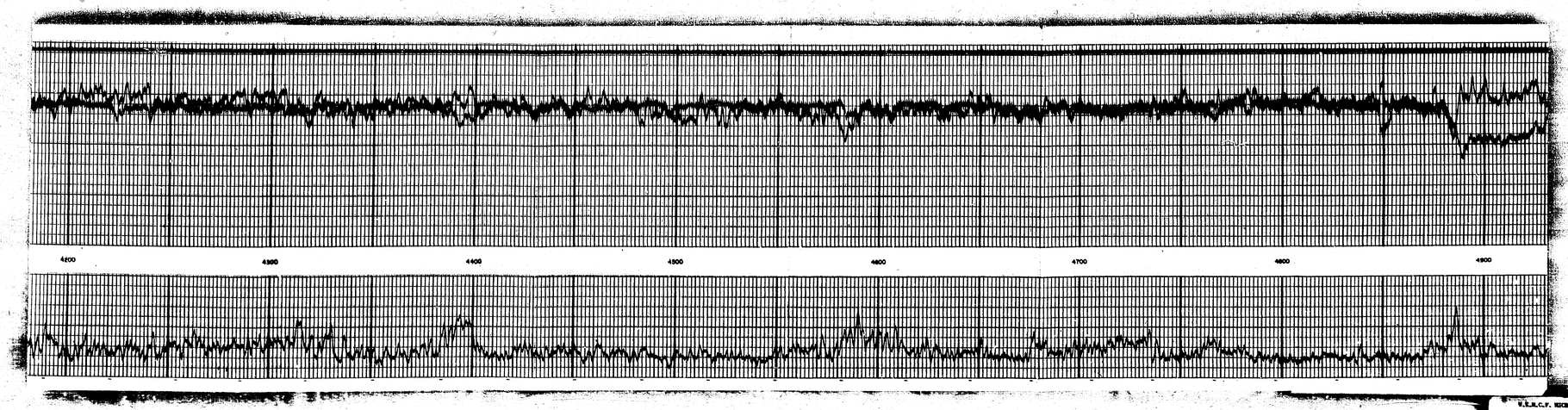
Company:	AZTEC OIL & GAS COMPANY	Driller's T.D.	11,303'
Well:	PALMILLO STATE COMM. NO. 1	Log F.P.	11,299'
Field:	NORTH TURKEY TRACK (MORROW)	Log T.D.	11,301'
County:	EDDY	Elevations:	
State:	NEW MEXICO	K.B. 3448' D.F.	G.L. 3433'

GAMMA RAY	DEPTH	COMPENSATED DENSILOG
10 API/CD API UNITS		CORRECTION CORRECTION
		BULK DENSITY—GRAMS/CC
		DG=2.71 BULK DENSITY—POROSITY DF=1.1
CALIPER		COMPENSATED NEUTRON
HOLE SIZE-INCHES	5"=100' LS 3204'	LIMESTONE POROSITY

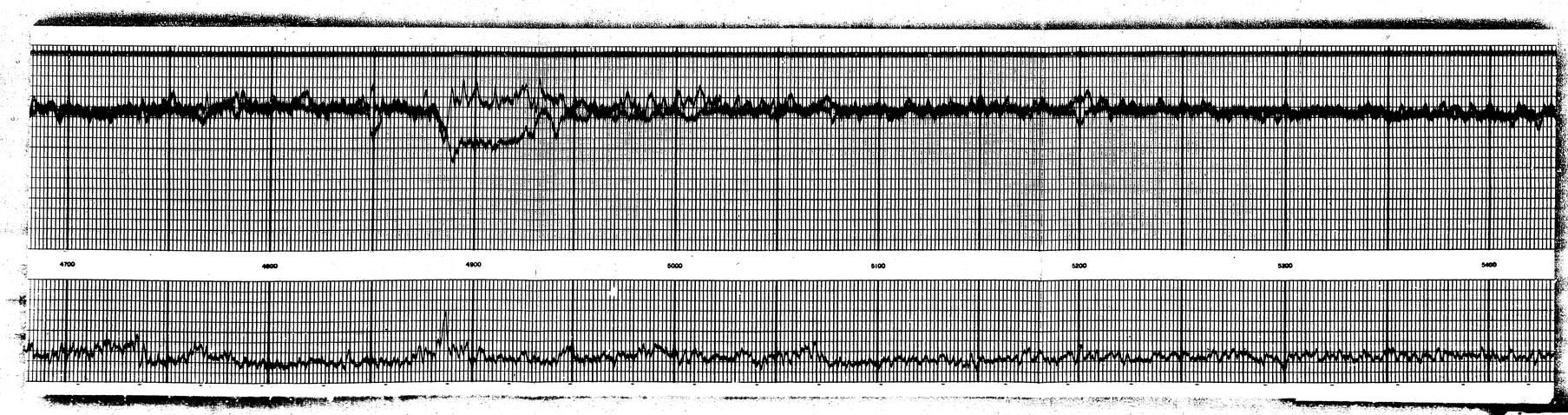


BULK DENSITY—POROSITY
DC=2.71
DF=1.1
COMPENSATED NEUTRON
LIMESTONE POROSITY
CALIPER
HOLE SIZE-INCHES
5"=100'
LS 3954.1
3400
3500
3600
3700
3800
3900

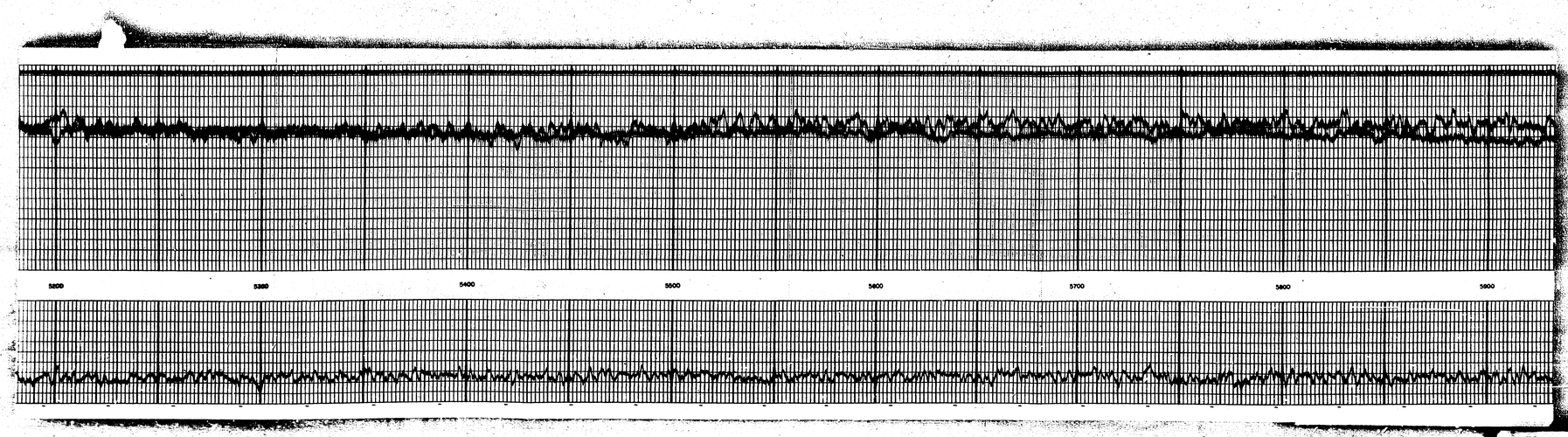

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3800
3900
4000
4100
4200
4300
4400

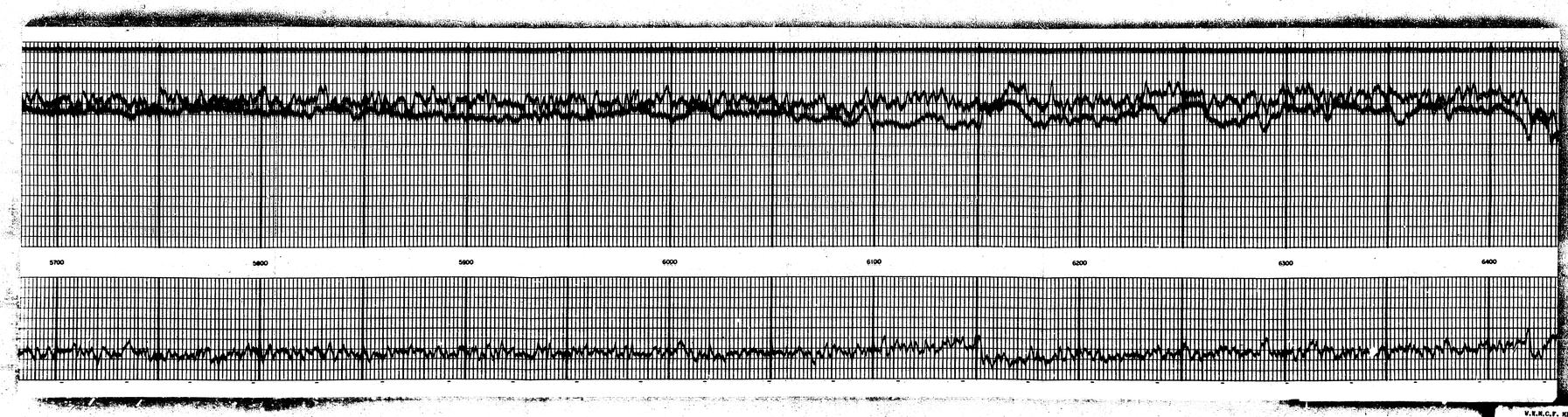


U.S.N.C.V. MICROGRAPHICS
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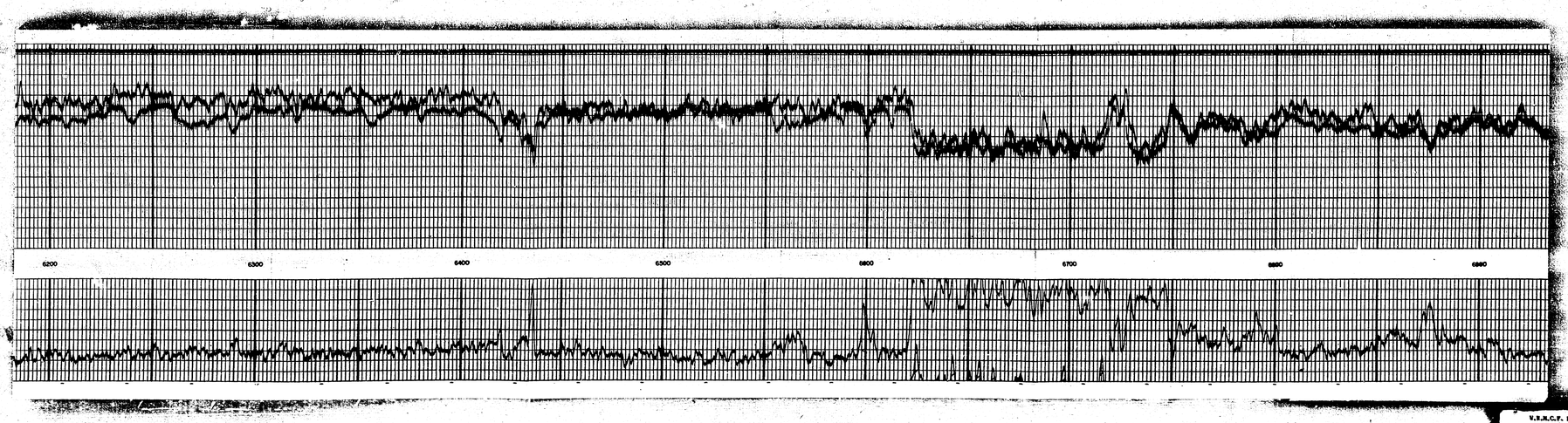


V.E.B.C.F. KIEKOGRAFIETS

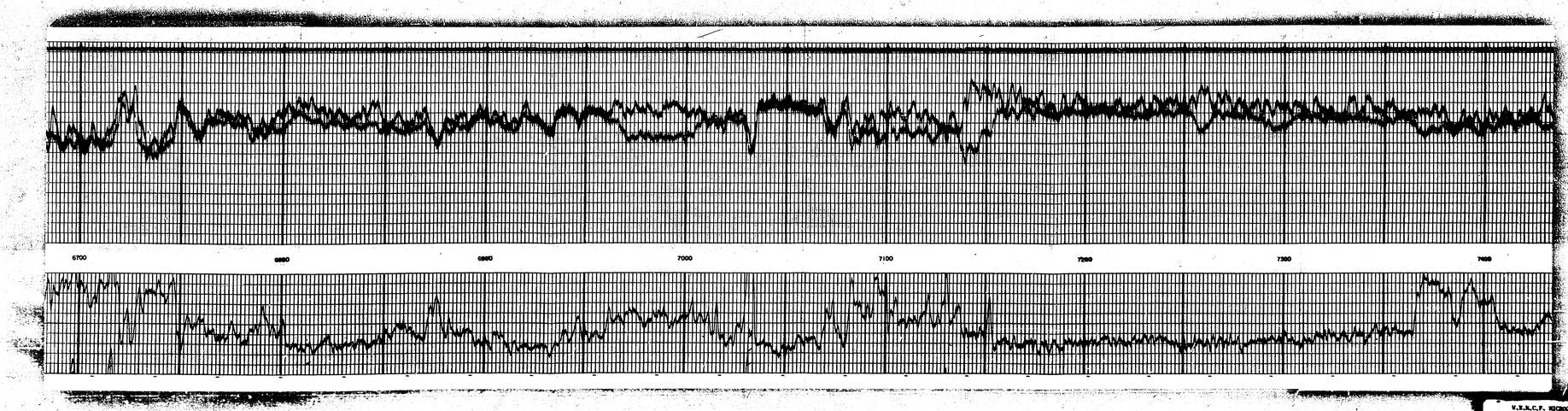

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5500
5600
5700
5800
5900



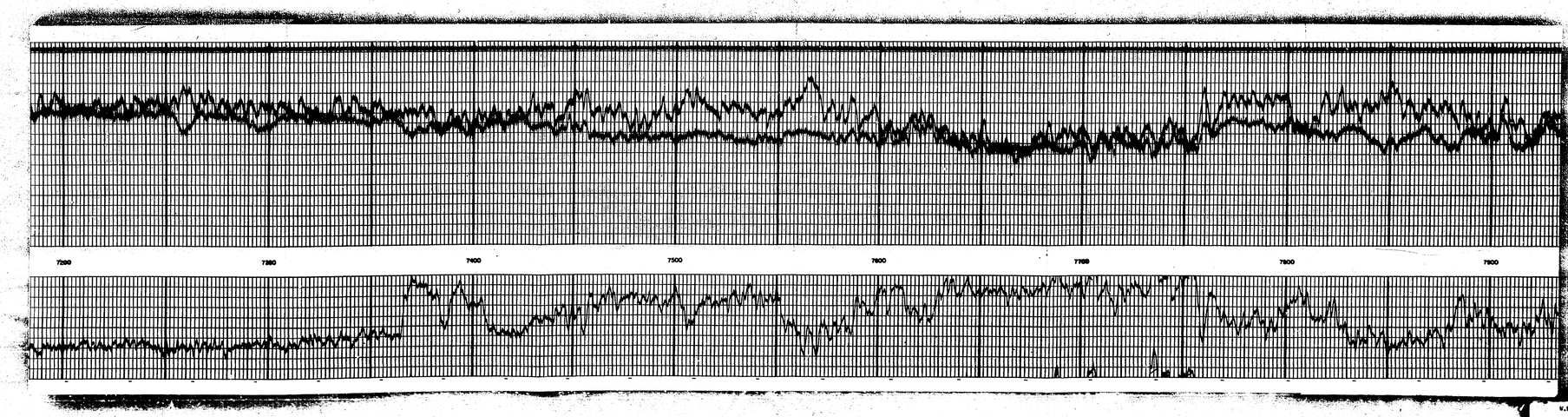
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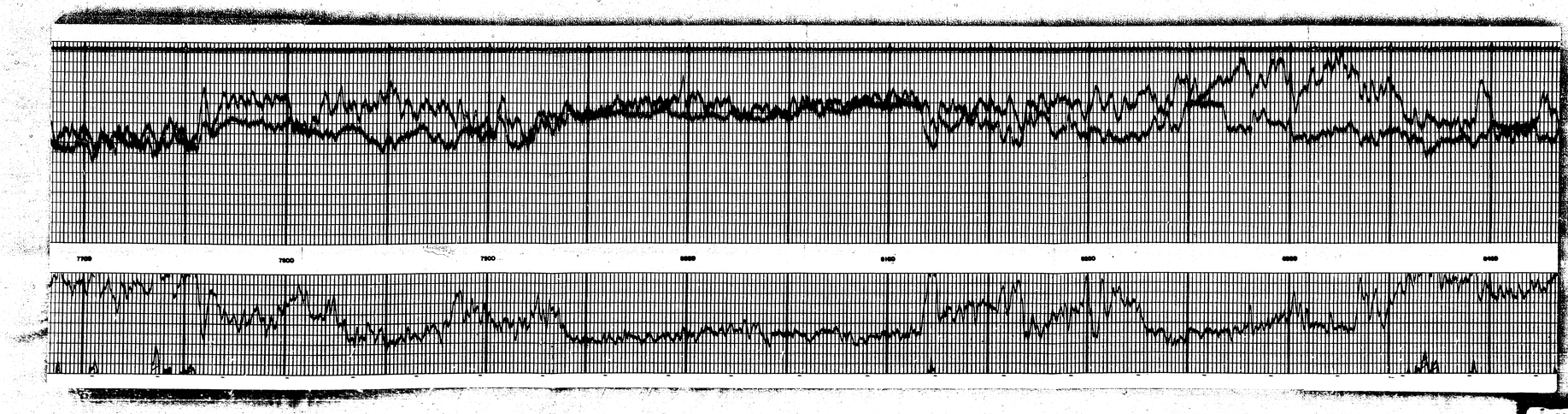


V.N.M.C.F. MICROGRAPHICS
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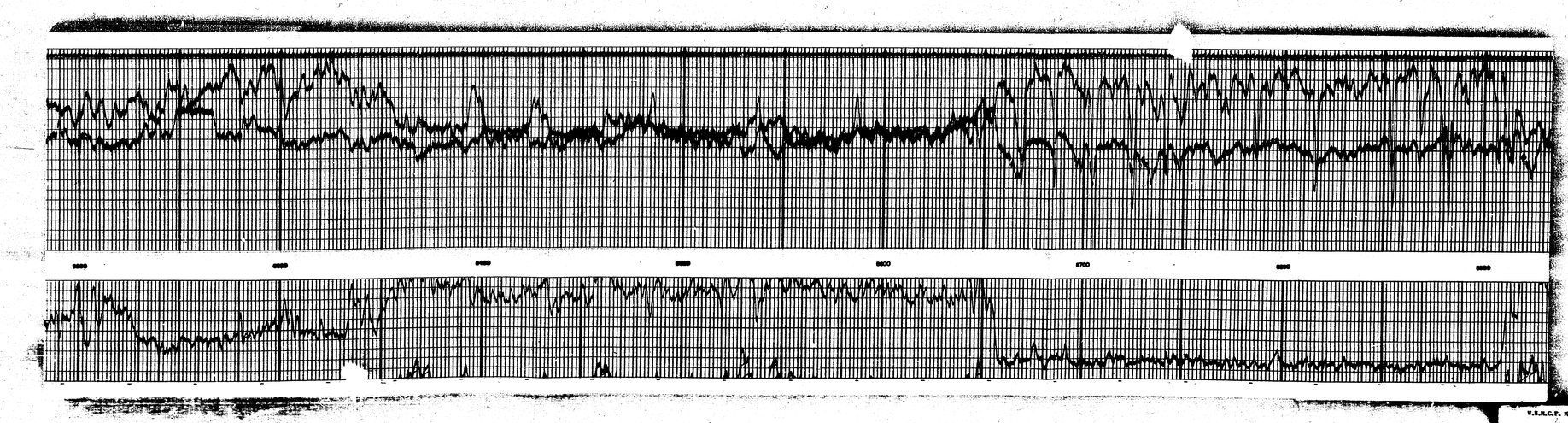


V.V.R.C.P. MICROGRAPHICS

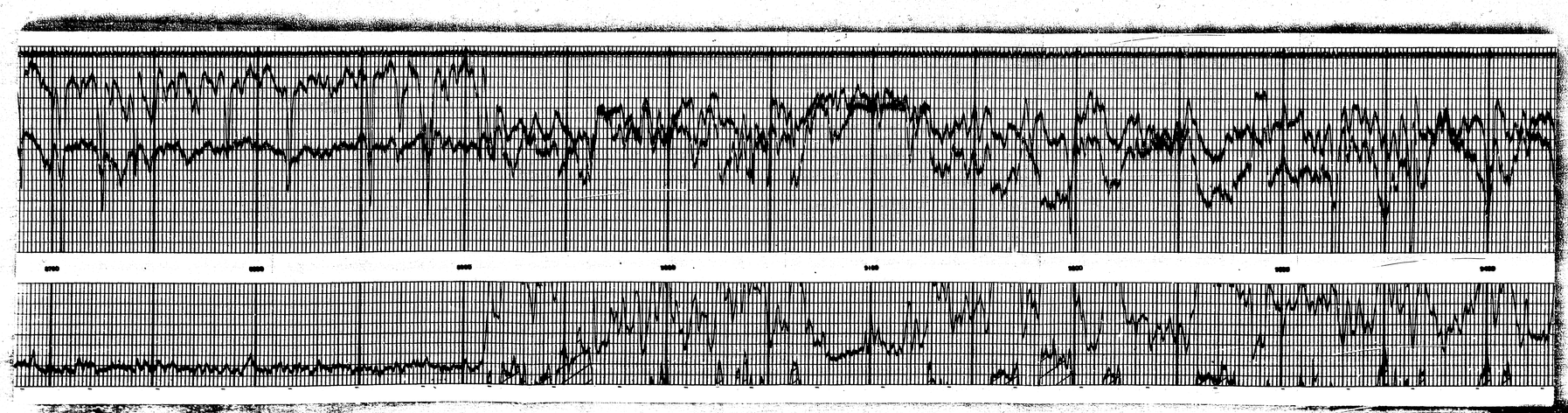

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7600
7700
7800
7900



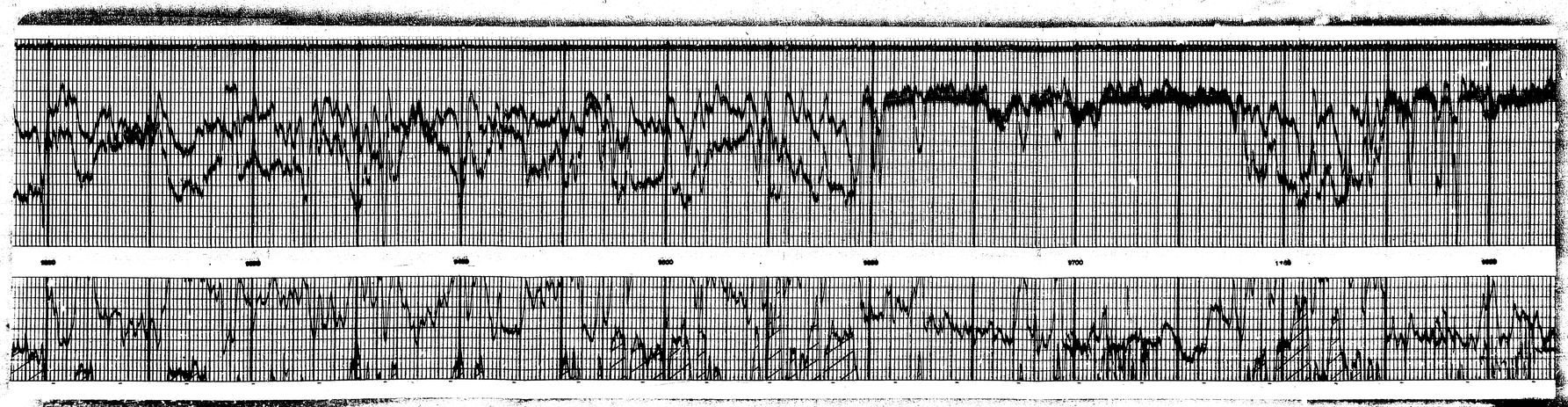
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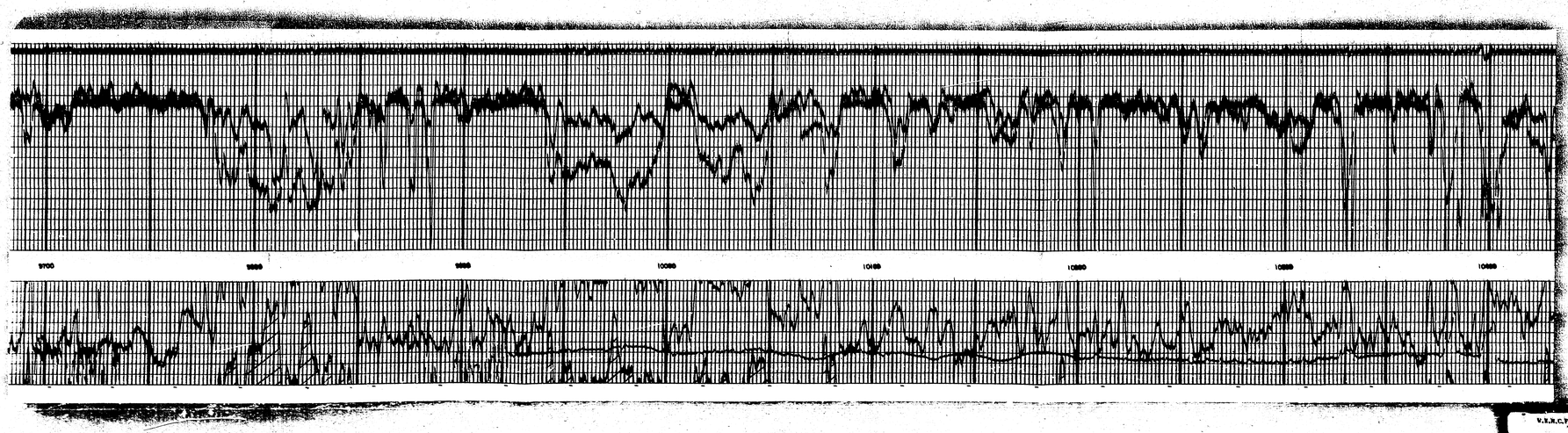


U.S.B.C.F. HYDROGRAPHICS
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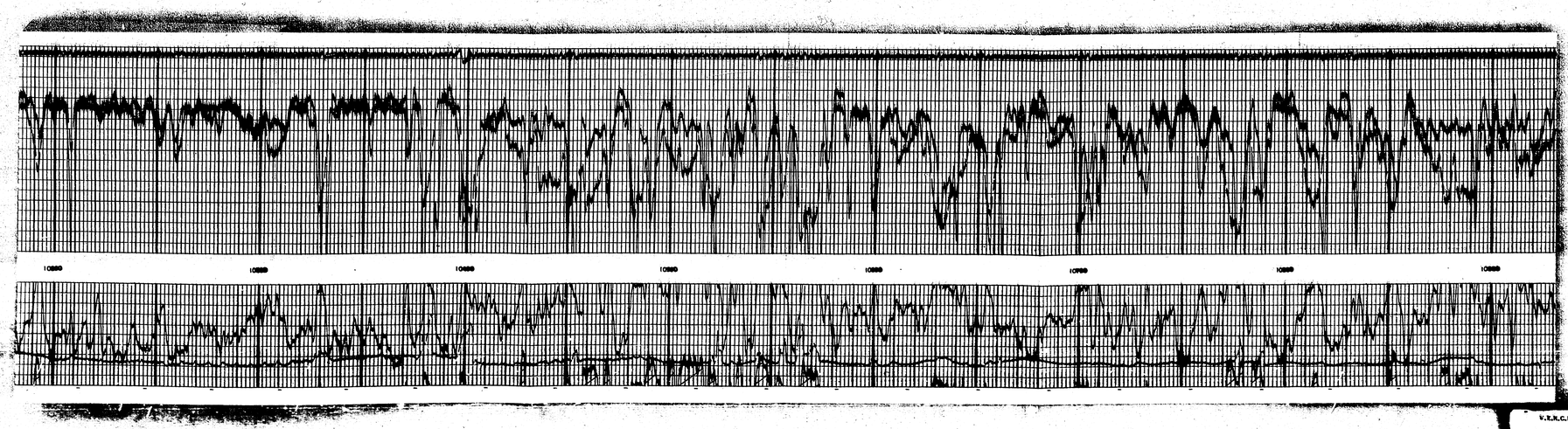


U.S.N.C.P. MICROGRAPHICS



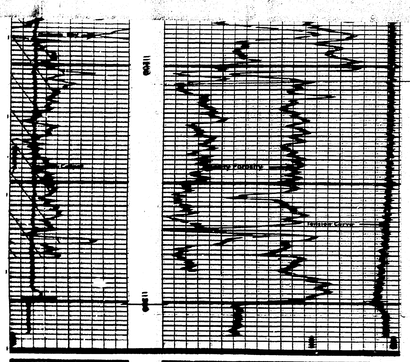


W.R.C.P. MICROGRAPHICS



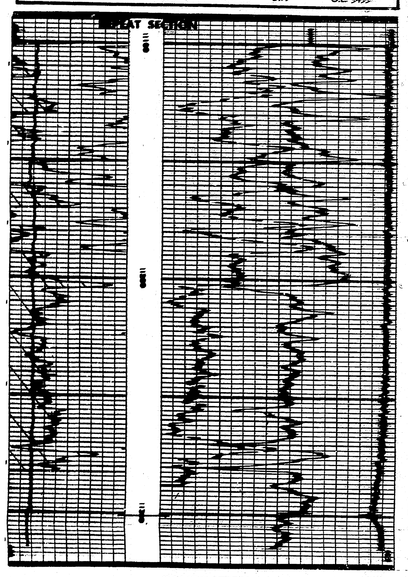
V.E.R.C.P. RECORDPHOTOS

10900
10950
11000
11050
11100
11150
11200
11250
HOLE SIZE-INCHES
6"
16"
CALIPER
API UNITS
150
0
GAMMA RAY
DEPTH
POROSITY
LIMESTONE
COMPENSATED NEUTRON
45%
-15%
BULK DENSITY—POROSITY (SF=1.0)
BULK DENSITY—GRAM/CC
CORRECTION
COMPENSATED DENSILOG
U.S.B.C.F. RECORDERS



6" HOLE SIZE-INCHES 16"		30% 20% 10% 0 POROSITY LIMESTONE
CALIPER		COMPENSATED NEUTRON
0 160 API UNITS 10 API/CD		30% 20% 10% 0 DG=2.71 BULK DENSITY—POROSITY DF=1.1 BULK DENSITY—GRAMS/CC
GAMMA RAY	DEPTH	CORRECTION CORRECTION COMPENSATED DENSILOG

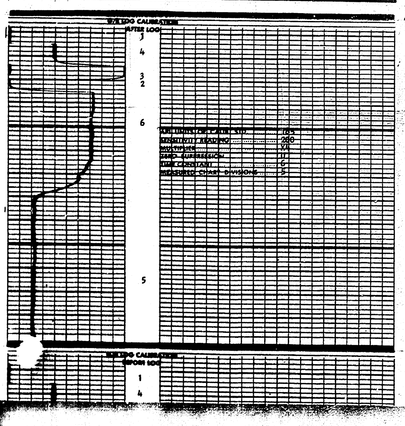
Company	AZTEC OIL & GAS COMPANY	Driller's T.D.	11,303'
Well	PALMILLO STATE COMM. NO. 1	Log T.D.	11,299'
Field	NORTH TURKEY TRACK (MORROW)	Log T.D.	11,301'
County	EDDY	Elevations:	
State	NEW MEXICO	K.B. 3448' D.F.	G.L. 3433'

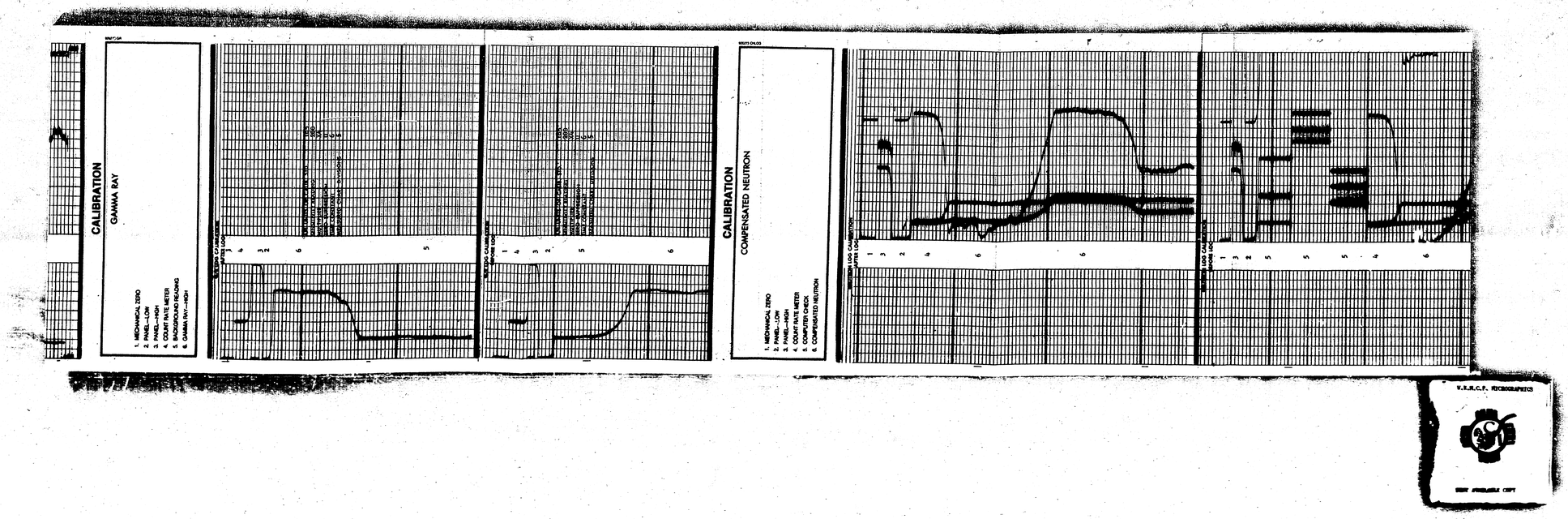


CALIBRATION

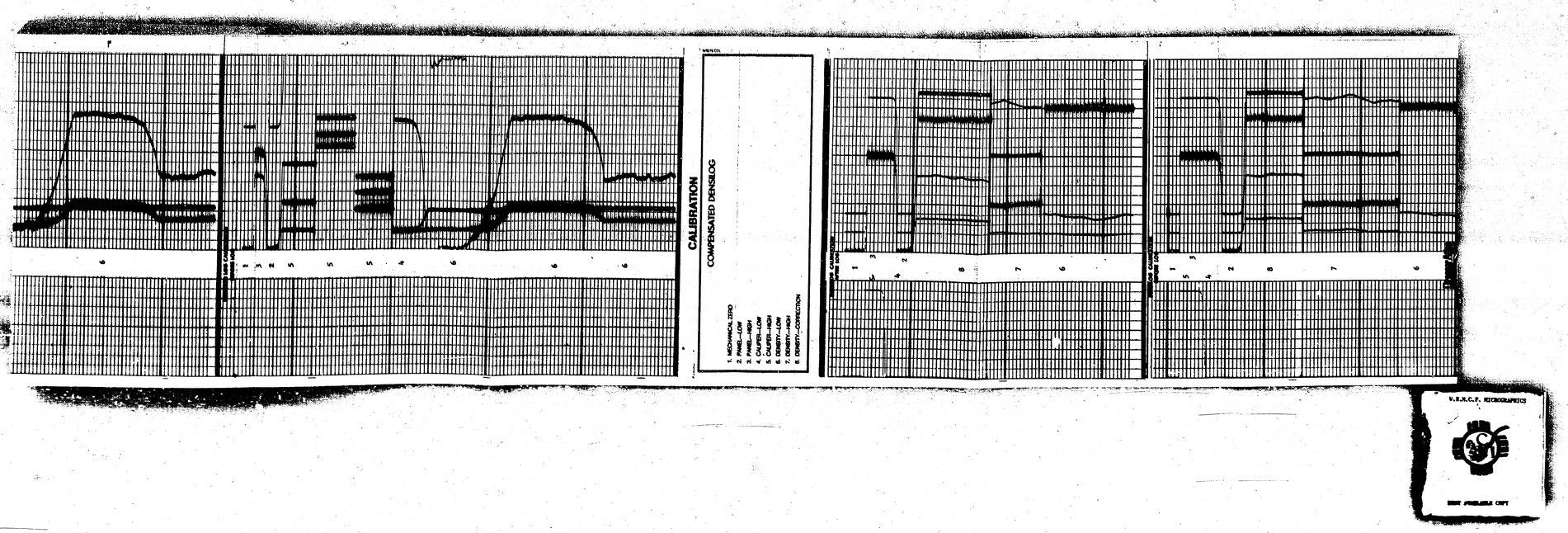
GAMMA RAY

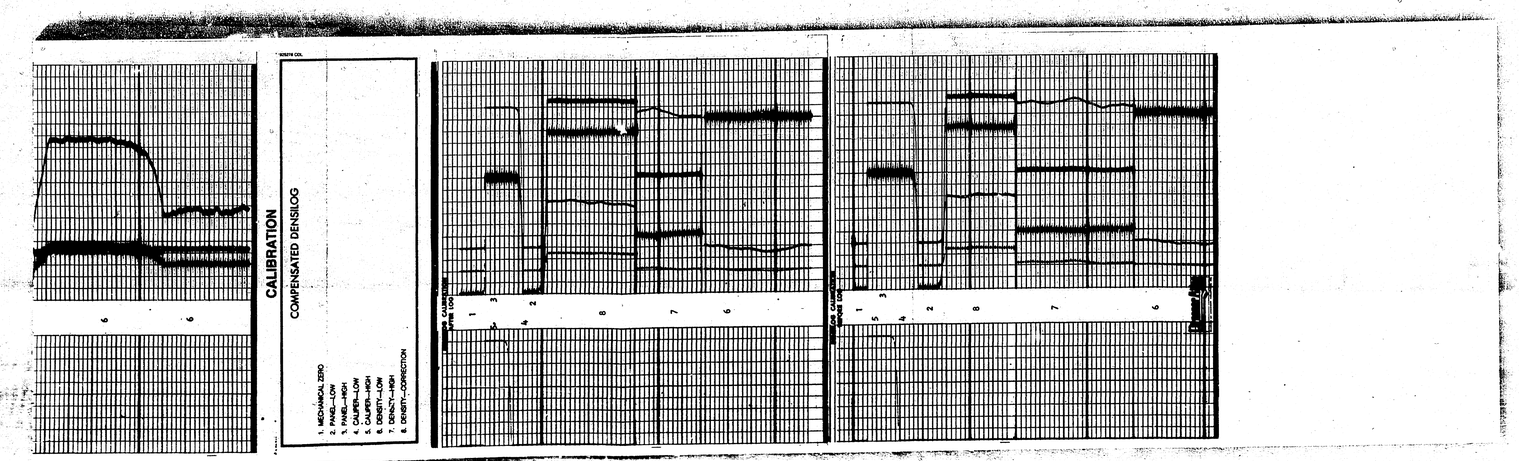
1. MECHANICAL ZERO
2. PANEL—LOW
3. PANEL—HIGH
4. COUNT RATE METER
5. BACKGROUND READING
6. GAMMA RAY—HIGH





V.E.R.C.F. PHOTOGRAPHICS


CALIBRATION
COMPENSATED DENSILOG
1. MECHANICAL ZERO
2. PAND—LOW
3. PAND—HIGH
4. CALIPER—LOW
5. CALIPER—HIGH
6. DENSITY—LOW
7. DENSITY—HIGH
8. DENSITY—CORRECTION



V.R.M.C.F. MICROGRAPHICS
BEST AVAILABLE COPY