Case No
5648

Large Exhibits

V.R.M.C.F. MICROGRAPHICS

Docket No. 10-70

Dockets Nos. 11-70 and 12-70 are tentatively set for hearing on March 31, 1970 and April 14, 1970. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - MARCH 18, 1970

9 A.M. - OIL CONSERVATION COMMISSION CONFERENCE ROOM,
STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

The following cases will be heard before Daniel S. Nutter, Examiner, or Elvered L. Stamets, Alternate Examiner:

ALLOWABLE: (1) Consideration of the allowable production of gas for April, 1970, from seventeen prorated pools in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico.

(2) Consideration of the allowable production of gas for April, 1970, from five prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico.

CASE 4630: (Continued & Readvertised)

Application of Julian Ard for an unorthodox oil well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a well to be drilled in the center of the SW/4 SW/4 of Section 20, Township 9 South, Range 37 East, West Chesterman Arties Pool, Lea County, New Mexico, in exception to the provisions of Rule 4, Order No. R-2070.

CASE 4651: (Continued from March 4, 1970, Examiner Hearing)

Application of John Turonka for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced water by injection in the Queen formation through the perforated interval from approximately 3700 to 3799 feet in his State of "E" Well No. 1 located in Unit B of Section 16, Township 23 South, Range 36 East, Jalmat-Tansill Pool, Lea County, New Mexico.

CASE 4649: Application of Texas Evaluation Company for suspension of Rules 104 and 152 of the gas proration rules, Indian Basin-Upper Pennsylvanian Gas Pool, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks suspension for a period of one year from April 1, 1970, of those provisions of Rule 104 and 152 of the General Rules and Regulations for the prorated gas pools of Southeastern New Mexico promulgated by Order No. R-1670, as amended, that provide for the classification of unorthodox gas wells and the classification of overproduced wells, as applied to the Indian Basin-Upper Pennsylvanian Gas Pool, Eddy County, New Mexico.

CASE 4648: Application of Southern Union Gas Company for suspension of Rules 104 and 152 of the gas proration rules, Fainview-Townsend Gas Pool, Otero County, New Mexico. Applicant, in the above-styled cause, seeks suspension for a period of one year from April 1, 1970, of those provisions of Rule 104 and 152 of the General Rules and Regulations for the prorated gas pools of Southeastern New Mexico promulgated by Order No. R-1670, as amended, that provide for the classification of unorthodox gas wells and the classification of overproduced wells, as applied to the Fainview-Townsend Gas Pool, Otero County, New Mexico.

CASE 4647: Application of Griffin & Burnett, Inc. for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the Empire Unit Area comprising 2,147 acres, more or less, of State and Federal lands in Township 24 South, Range 29 East, Lea County, New Mexico.

CASE 4645: Application of Depco, Inc. for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its DEP State well No. 1, located in Unit F of Section 23, Township 19 South, Range 28 East, Eddy County, New Mexico, to produce gas from the Wolfcamp and Strawn formations.

CASE 4610: Application of Pennington Transportation, Inc. for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Lloyd, Inc. Levitt Well No. 1, to be drilled 1970 feet from the North line and 1650 feet from the East line of Section 13, Township 18 South, Range 26 East, Eddy County, New Mexico, the N/2 of said Section 13 to be dedicated to the well.

CASE 4650: Application of Robinson Resource Development Company, Inc. for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Pennsylvanian age or older underlying the N/2 of Section 18, Township 21 South, Range 27 East, Eddy County, New Mexico, to be dedicated to a well to be drilled at a previously approved unorthodox location in Unit F of said Section 18. Also to be considered will be the cost of drilling said well and a charge for risk involved in drilling said well, the allocation of said costs, as well as actual monthly costs and charges for supervision. Also to be considered will be the designation of the applicant as operator of the well and a charge for the risk involved in drilling said well.

V.N.M.C.P. MICROGRAPHICS
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Docket No. 16-96

CASE 5060: Application of Bryan Oil & Gas Co. for an unorthodox gas well location, Eddy County. (Re: Section 1, T19S, R26E, Undesignated Penasco Draw-Morrow Gas Pool, 1650' FSL & 1650' FEL of Section 1 to be drilled.) Also to be considered will be the pooling of all mineral interests in the Morrow formation underlying the N/2 of Section 1 to be dedicated to the well.

CASE 5059: Application of Bryan Oil & Gas Co. for an unorthodox gas well location, Eddy County. (Re: Section 1, T19S, R26E, Undesignated Penasco Draw-Morrow Gas Pool, 1650' FSL & 1650' FEL of Section 1 to be drilled.) Also to be considered will be the pooling of all mineral interests in the Morrow formation underlying the S/2 of Section 1 to be dedicated to the well.

CASE 5058: Application of Bryan Oil & Gas Co. for gas recognition and special gas rules, Eddy County. (Re: Section 1, T19S, R26E, Undesignated Penasco Draw-Morrow Gas Pool, 1650' FSL & 1650' FEL of Section 1 to be drilled.) Applicant seeks an order recognizing the Morrow formation in the above-described well as a gas pool for Undesignated Penasco Draw-Morrow Gas Pool and promulgating special rules therefor, including a provision for 640-acre spacing and proration units.

CASE 5057: Application of Bryan Oil & Gas Co. for gas recognition and special gas rules, Eddy County. (Re: Section 1, T19S, R26E, Undesignated Penasco Draw-Morrow Gas Pool, 1650' FSL & 1650' FEL of Section 1 to be drilled.) Applicant seeks an order recognizing the Morrow formation in the above-described well as a gas pool for Undesignated Penasco Draw-Morrow Gas Pool and promulgating special rules therefor, including a provision for 320-acre spacing and proration units.

CASE 5056: Application of Bryan Oil & Gas Co. for an unorthodox gas well location, Eddy County. (Re: Section 1, T19S, R26E, Undesignated Penasco Draw-Morrow Gas Pool, 1650' FSL & 1650' FEL of Section 1 to be drilled.) Also to be considered will be the pooling of all mineral interests in the Morrow formation underlying the E/2 of Section 1 to be dedicated to the well.

CASE 5039: (Continued)

In the matter of Case 5039 being reopened pursuant to the provisions of Order No. R-4857, which order established temporary special rules and regulations for the Undesignated Bell Lake-Bone Spring Pool, Lea County, New Mexico, including a provision for 80-acre proration units. All interested parties may appear and show cause why said pool should not be developed on 40-acre spacing units.

U.S.D.C.F. MICROGRAPHICS
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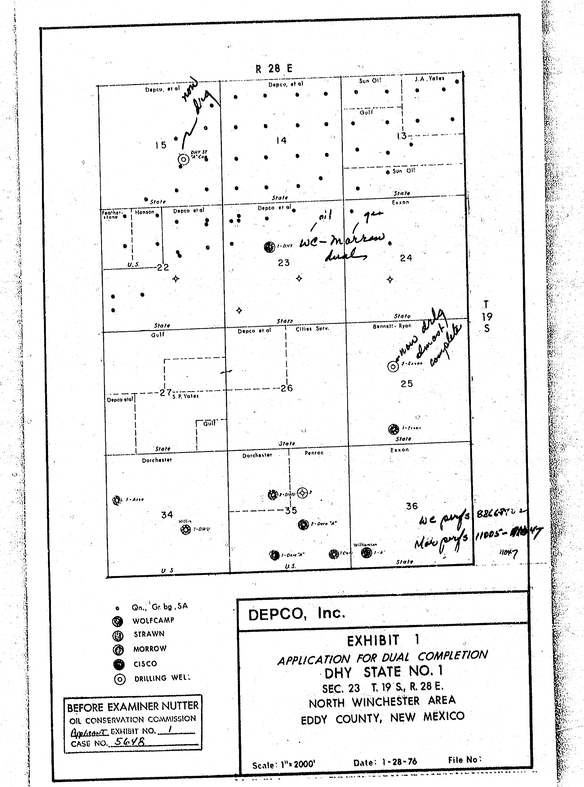

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
Applicant EXHIBIT NO. 1
CASE NO. 5698

V.R.N.C.F. MICROGRAPHICS
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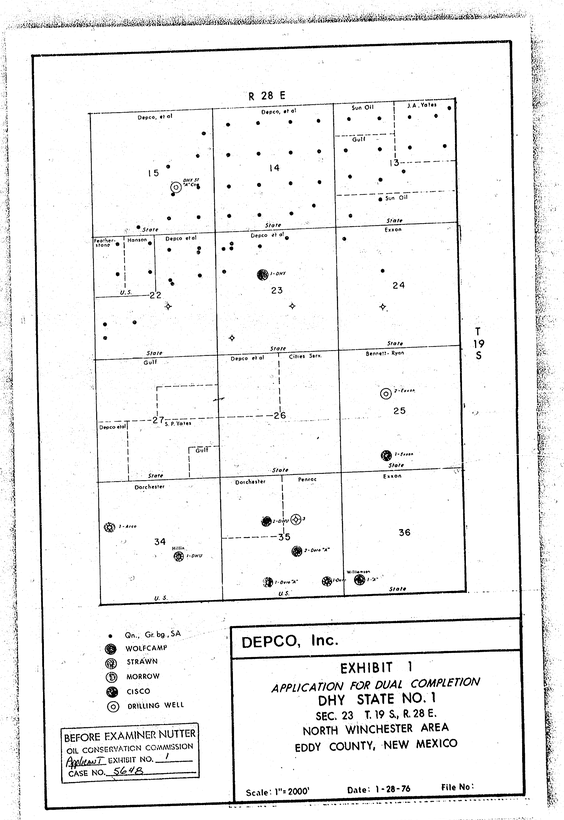

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
Applicant EXHIBIT NO. 1
CASE NO. 5648

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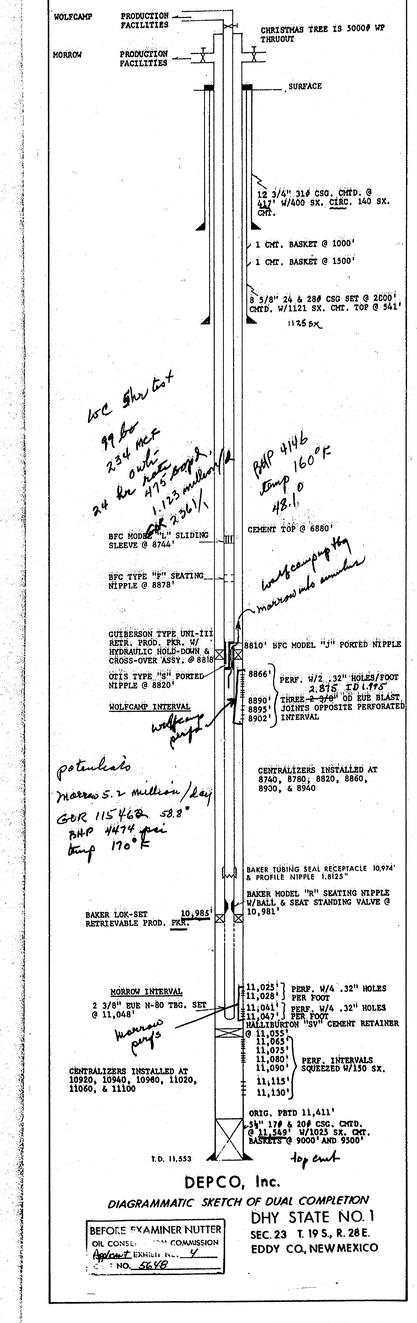

DEPCO, Inc.

DIAGRAMMATIC SKETCH OF DUAL COMPLETION

DHY STATE NO. 1
SEC. 23 T. 19 S., R. 28 E.
EDDY CO., NEW MEXICO

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
Applicant Exhibit No. 4
CASE NO. 5648

W.R.N.C.P. MICROGRAPHICS
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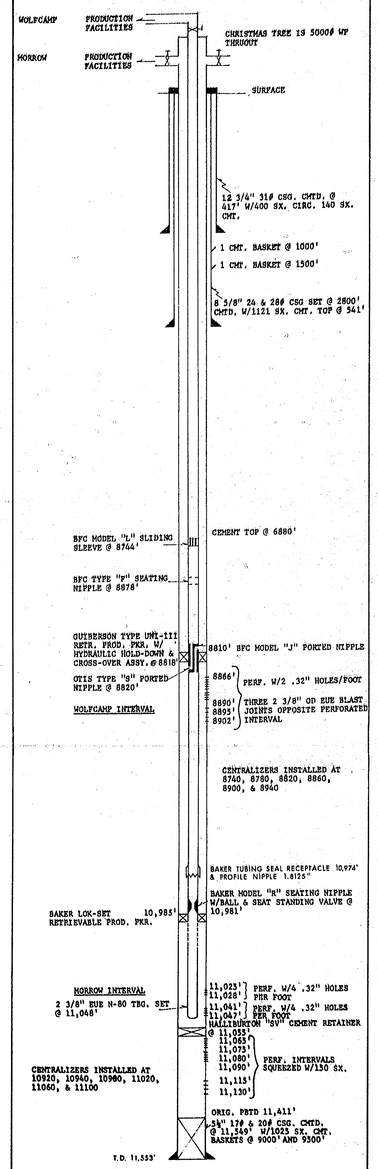

DEPCO, Inc.

DIAGRAMMATIC SKETCH OF DUAL COMPLETION

DHY STATE NO. 1
SEC. 23 T. 19 S., R. 28 E.
EDDY CO., NEW MEXICO

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
Depco, Inc. EXHIBIT NO. 4
CASE NO. 5618

W.N.M.C.P. MICROGRAPHICS
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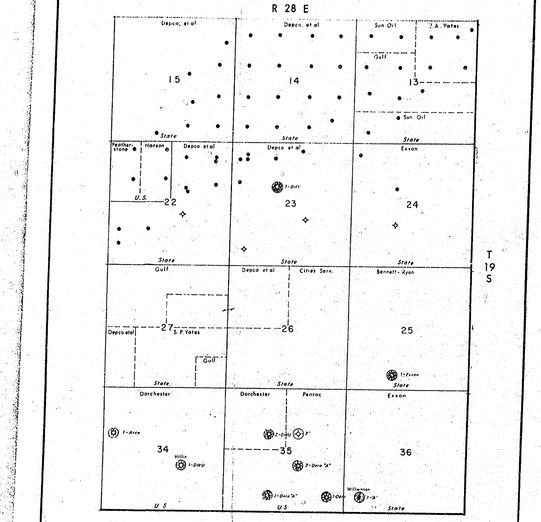
Case 5641



- Qn., Gr bg., SA
- WOLFCAMP
- STRAWN
- MORROW

DEPCO, Inc.

EXHIBIT 1

APPLICATION FOR DUAL COMPLETION

DHY STATE NO. 1

SEC. 23 T. 19 S., R. 28 E.

NORTH WINCHESTER AREA

EDDY COUNTY, NEW MEXICO

Scale: 1"= 2000' Date: 1-28-76 File No:

N.M.O.C.D. MICROGRAPHICS
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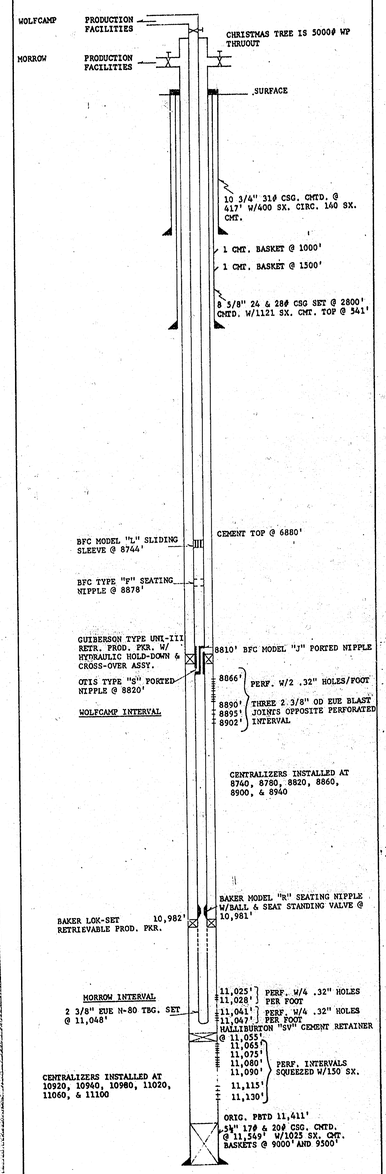
Case 5648



DEPCO, Inc.

DIAGRAMMATIC SKETCH OF DUAL COMPLETION

DHY STATE NO. 1

SEC. 23 T. 19 S., R. 28 E.

EDDY CO, NEW MEXICO

N.M.O.C.D. MICROGRAPHICS

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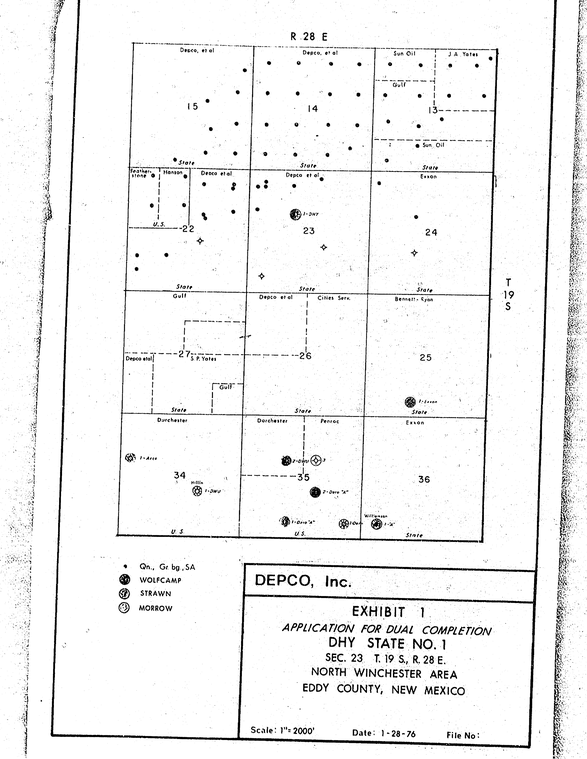
Case 5649



N.M.O.C.D. MICROGRAPHICS
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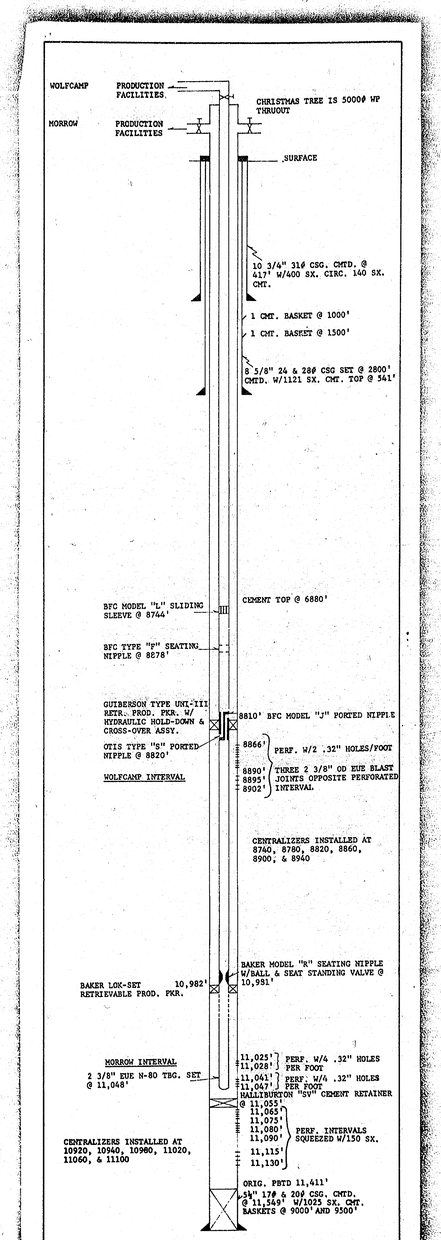

DEPCO, Inc.

DIAGRAMMATIC SKETCH OF DUAL COMPLETION

DHY STATE NO. 1

SEC. 23 T. 19 S., R. 28 E.

EDDY CO, NEW MEXICO

N.M.O.C.D. MICROGRAPHICS

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Schlumberger

SIMULTANEOUS COMPENSATED NEUTRON-FORMATION DENSITY

Case 5648
Exhibit 3

COMPANY DEPCO INCORPORATED

WELL STATE D.H.Y. #1

FIELD WILDCAT

COUNTY EDDY STATE NEW MEXICO

Location: 1980' FNL & 1980' FWL

Other Services: DLL, MDT

Permanent Datum: G.L. Elev.: 3382
Log Measured From: K.B. 19 Ft Above Perm. Datum
Drilling Measured From: K.B.

Elev.: K.B. 3402
D.F.
G.L. 3382

Date	12-24-75						
Run No.	ONE						
Depth—Driller	11515						
Depth—Logger	11553						
Btm. Log Interval	11552						
Top Log Interval	C						
Casing—Driller	8 5/8@2800	@		@		@	
Casing—Logger	2806						
Bit Size	7 7/8						
Type Fluid in Hole	SUPER X						
Dens. | Visc	9.9 | 39						
pH | Fluid Loss	8 | 4.6 ml		ml		ml		
Source of Sample	CIRCULATED						
Rm @ Meas. Temp.	.061 @80 °F	@ °F		@ °F		@ °F	
Rmf @ Meas. Temp.	.060 @80 °F	@ °F		@ °F		@ °F	
Rmc @ Meas. Temp.	.076 @80 °F	@ °F		@ °F		@ °F	
Source Rmf | Rmc	M | C						
Rm @ BHT	@ °F	@ °F		@ °F		@ °F	
Time Circulation Stopped	0810						
Time Logger on Bottom	1330						
Max. Rec. Temp.	°F		°F			°F	
Equip. | Location	7627 HOBBS						
Recorded By	REED						
Witnessed By	MR. RAGSDALE						

Field: EDDY
County: NM
Well: STATE D.H.Y. #1
Company: DEPCO INCORPORATED

RUN NO. ONE
Bit No. ONE12
Type Log DUAL
Depth-Driller 11515
Depth-Logger 11553
Btm. Log Interval 11552
Top Log Interval 10
Casing-Driller 8 5/8@2800
Casing-Logger 2806
Bit Size 7 7/8
Type Fluid in Hole SUPER X
Dens. 9.9
Visc. 39
pH 8
Fluid Loss 4.6 ml
Source of Sample CIRCULATED
Rm @ Meas. Temp. .061 @80
Rmf @ Meas. Temp. .060 @80
Rmc @ Meas. Temp. .076 @80
Source Rmf Rmc M C
Rm @ BHT
Time Circ. Stopped 0810
Time Logger on Bottom 1330
Max. Rec. Temp.
Equip. Location 7627 HOBBS
Recorded By REED
Witnessed By MR. RAGSDALE

Density Depth
Neutron Depth
REMARKS

CALIBRATION DATA
Rm @ Meas. Temp. .061 @80
Rmf @ Meas. Temp. .060 @80
Rmc @ Meas. Temp. .076 @80
Source Rmf Rmc M C
Rm @ BHT
Time Circ. Stopped 0810
Time Logger on Bottom 1330
Max. Rec. Temp.
Equip. Location 7627 HOBBS
Recorded By REED
Witnessed By MR. RAGSDALE

CDC
Neutron Matrix: LIME
Density Matrix: LIME
Hole Corr. Source: CALIPER
Rm @ Meas. Temp. .061 @80
Rmf @ Meas. Temp. .060 @80
Rmc @ Meas. Temp. .076 @80
Source Rmf Rmc M C
Rm @ BHT
Time Circ. Stopped 0810
Time Logger on Bottom 1330
Max. Rec. Temp.
Equip. Location 7627 HOBBS
Recorded By REED
Witnessed By MR. RAGSDALE

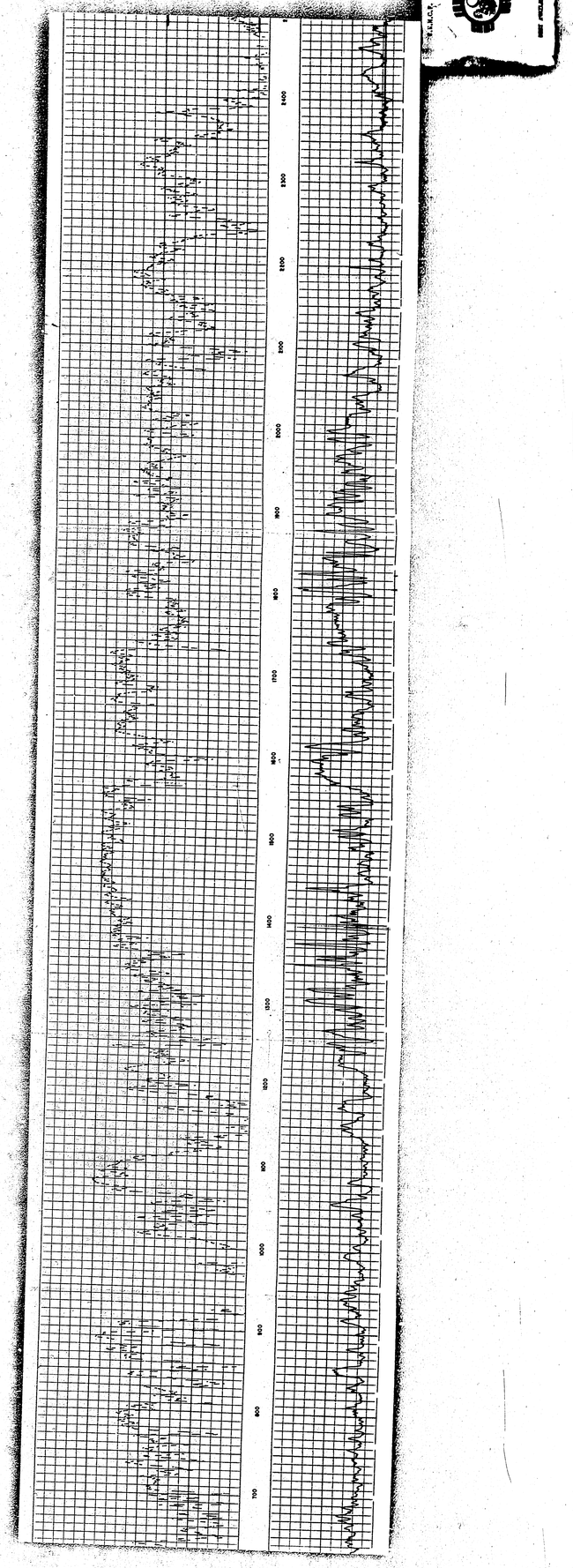
CNL
Matrix: LIME
Hole Corr.: CALIPER
Rm @ Meas. Temp. .061 @80
Rmf @ Meas. Temp. .060 @80
Rmc @ Meas. Temp. .076 @80
Source Rmf Rmc M C
Rm @ BHT
Time Circ. Stopped 0810
Time Logger on Bottom 1330
Max. Rec. Temp.
Equip. Location 7627 HOBBS
Recorded By REED
Witnessed By MR. RAGSDALE

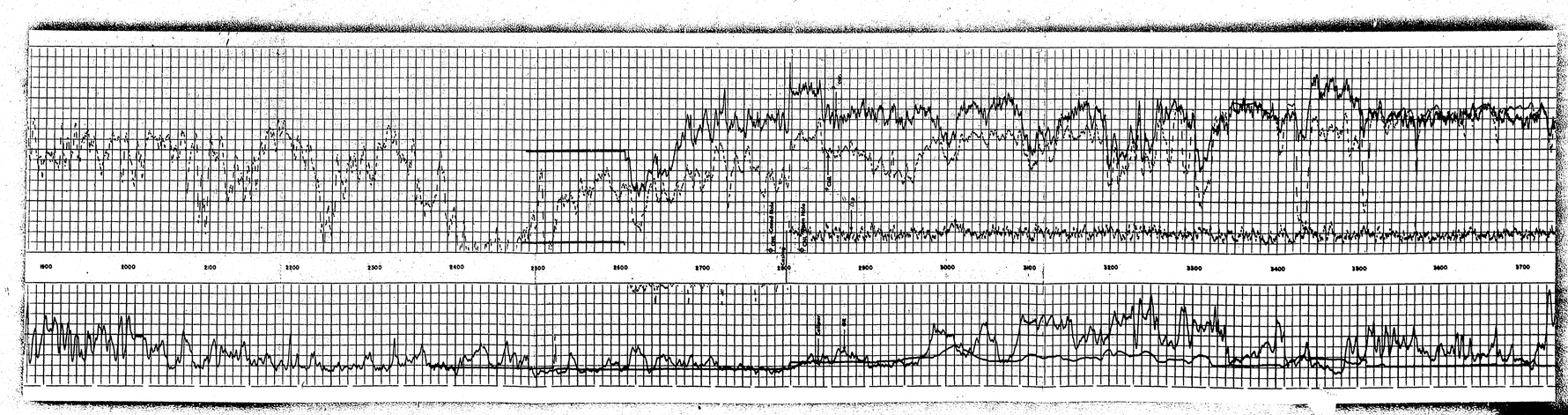
LOGGING DATA
CDC
Density Type: Compensated
Matrix: LIME
Hole Corr. Source: CALIPER
Run No.: ONE
Date: 12-24-75
Depth-Driller: 11515
Depth-Logger: 11553
Btm. Log Interval: 11552
Top Log Interval: 10
Casing-Driller: 8 5/8@2800
Casing-Logger: 2806
Bit Size: 7 7/8
Type Fluid in Hole: SUPER X
Dens.: 9.9
Visc.: 39
pH: 8
Fluid Loss: 4.6 ml
Source of Sample: CIRCULATED
Rm @ Meas. Temp.: .061 @80
Rmf @ Meas. Temp.: .060 @80
Rmc @ Meas. Temp.: .076 @80
Source Rmf: M
Rmc: C
Rm @ BHT:
Time Circ. Stopped: 0810
Time Logger on Bottom: 1330
Max. Rec. Temp.:
Equip. Location: 7627 HOBBS
Recorded By: REED
Witnessed By: MR. RAGSDALE

CNL
Matrix: LIME
Hole Corr.: CALIPER
Rm @ Meas. Temp.: .061 @80
Rmf @ Meas. Temp.: .060 @80
Rmc @ Meas. Temp.: .076 @80
Source Rmf: M
Rmc: C
Rm @ BHT:
Time Circ. Stopped: 0810
Time Logger on Bottom: 1330
Max. Rec. Temp.:
Equip. Location: 7627 HOBBS
Recorded By: REED
Witnessed By: MR. RAGSDALE

CDC
Neutron Matrix: LIME
Density Matrix: LIME
Hole Corr. Source: CALIPER
Rm @ Meas. Temp. .061 @80
Rmf @ Meas. Temp. .060 @80
Rmc @ Meas. Temp. .076 @80
Source Rmf Rmc M C
Rm @ BHT
Time Circ. Stopped 0810
Time Logger on Bottom 1330
Max. Rec. Temp.
Equip. Location 7627 HOBBS
Recorded By REED
Witnessed By MR. RAGSDALE

CNL
Matrix: LIME
Hole Corr.: CALIPER
Rm @ Meas. Temp. .061 @80
Rmf @ Meas. Temp. .060 @80
Rmc @ Meas. Temp. .076 @80
Source Rmf Rmc M C
Rm @ BHT
Time Circ. Stopped 0810
Time Logger on Bottom 1330
Max. Rec. Temp.
Equip. Location 7627 HOBBS
Recorded By REED
Witnessed By


S.A.R.C.E. NICARAGUA
SISMOGRAMA



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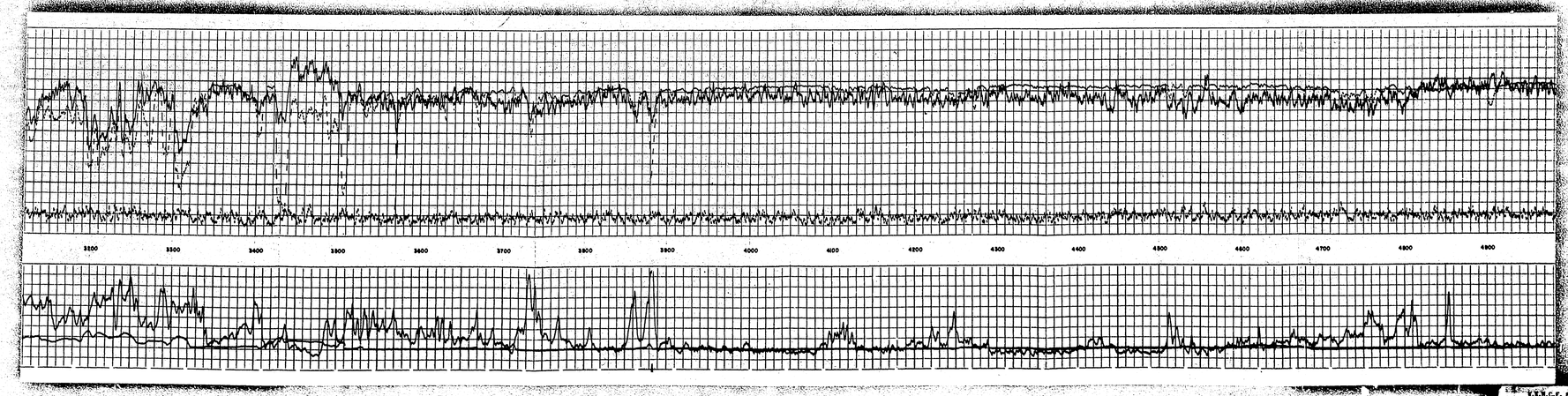

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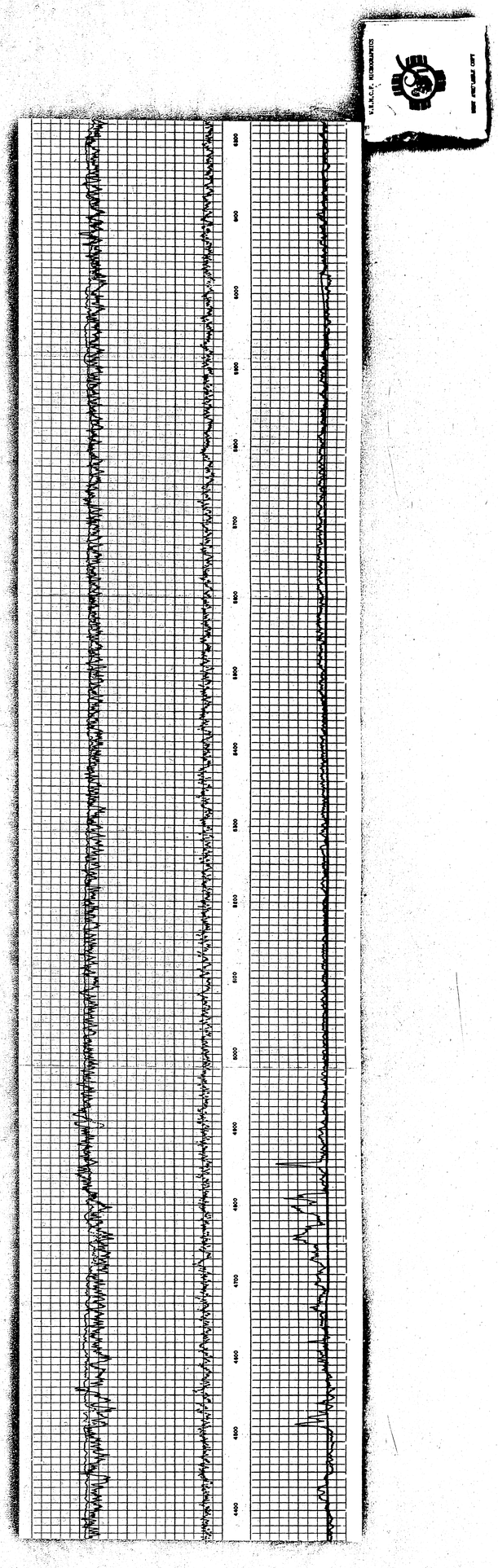
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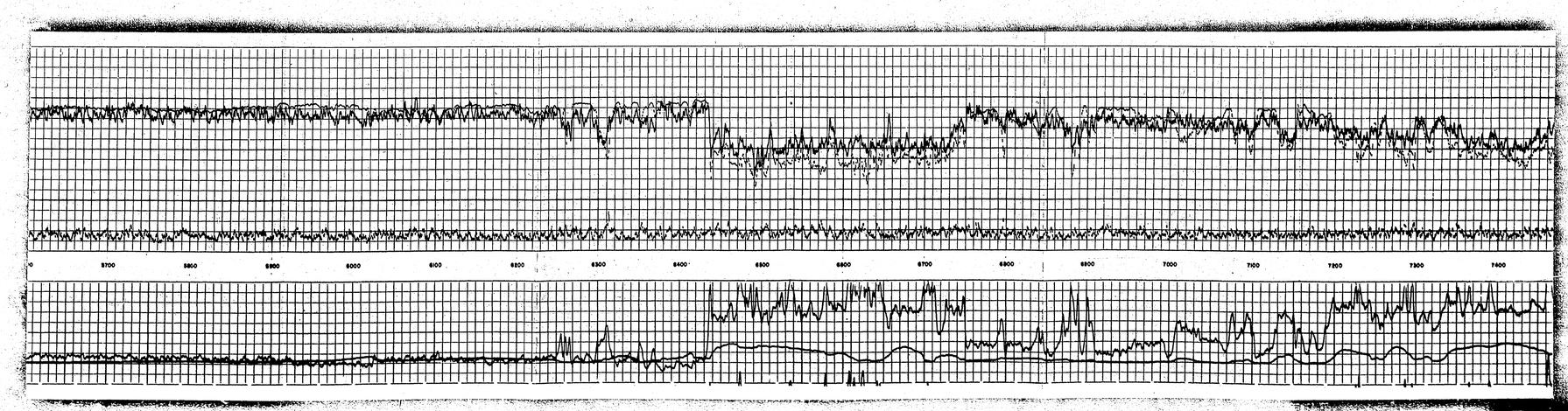

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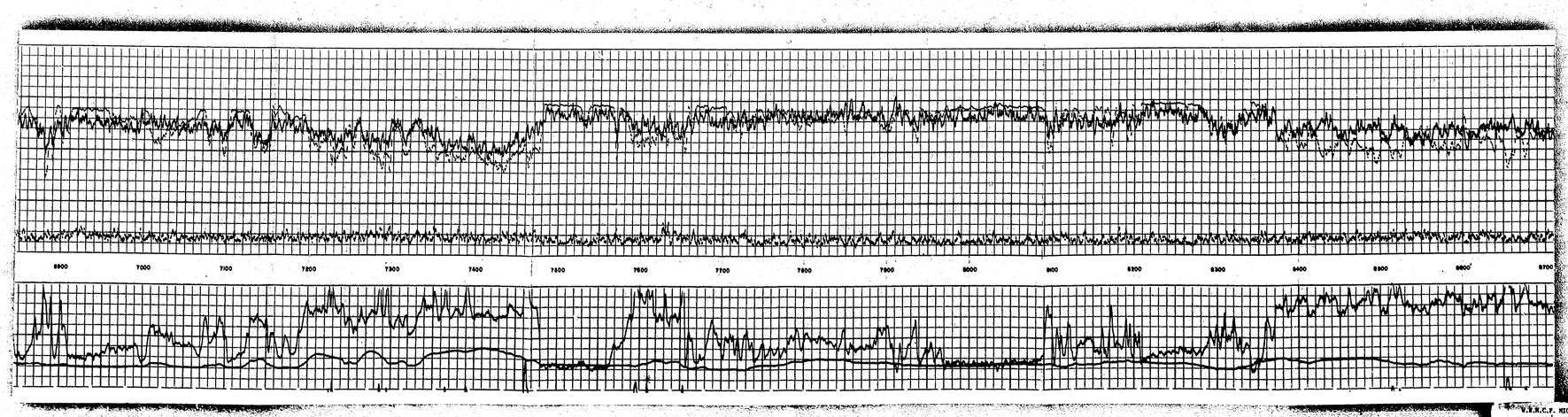

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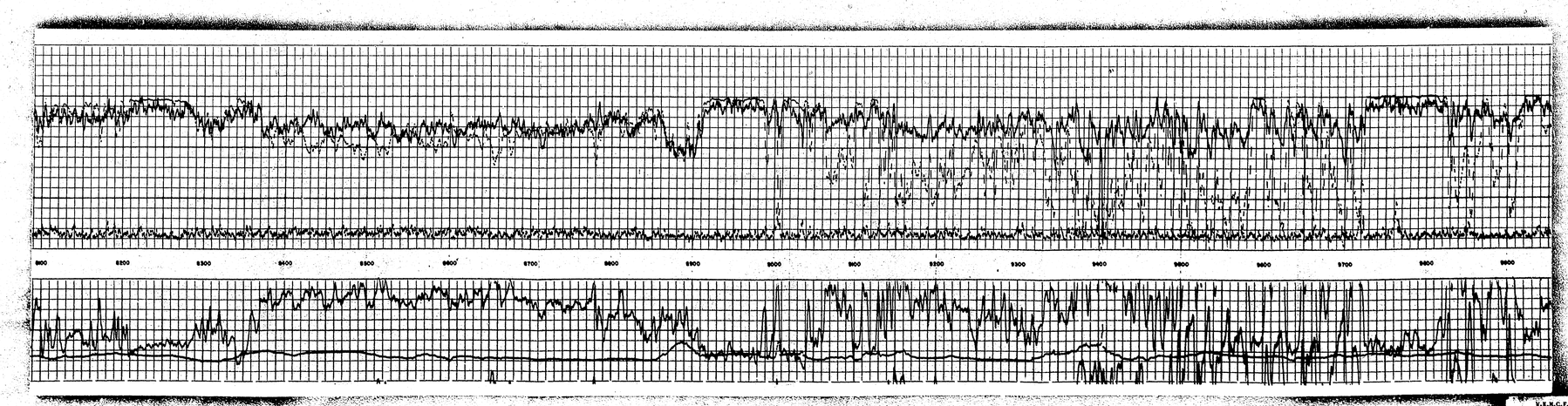

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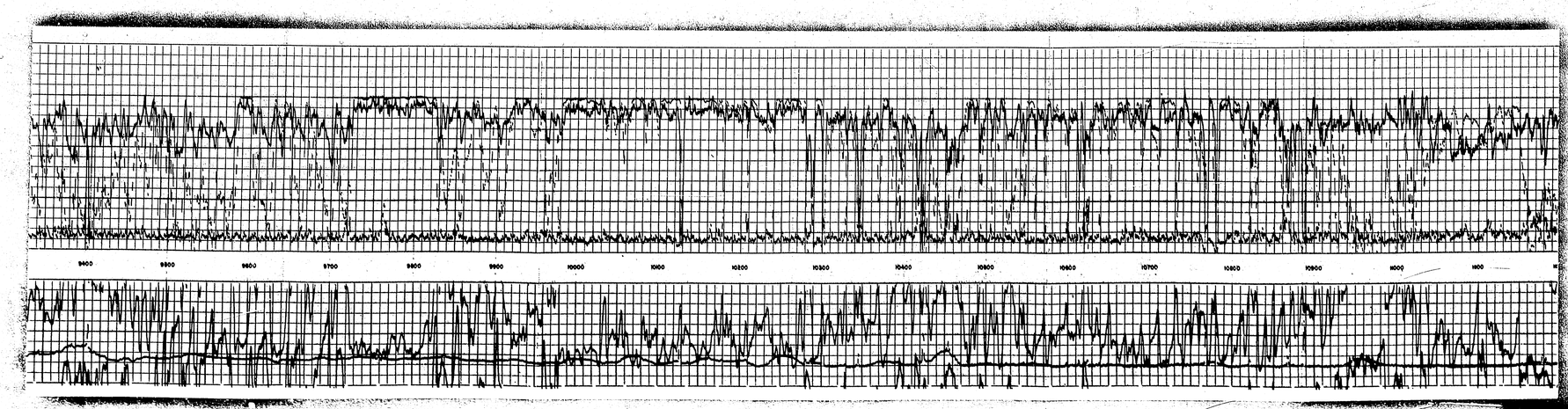

W.W.R.C.P. MICROGRAPHICS
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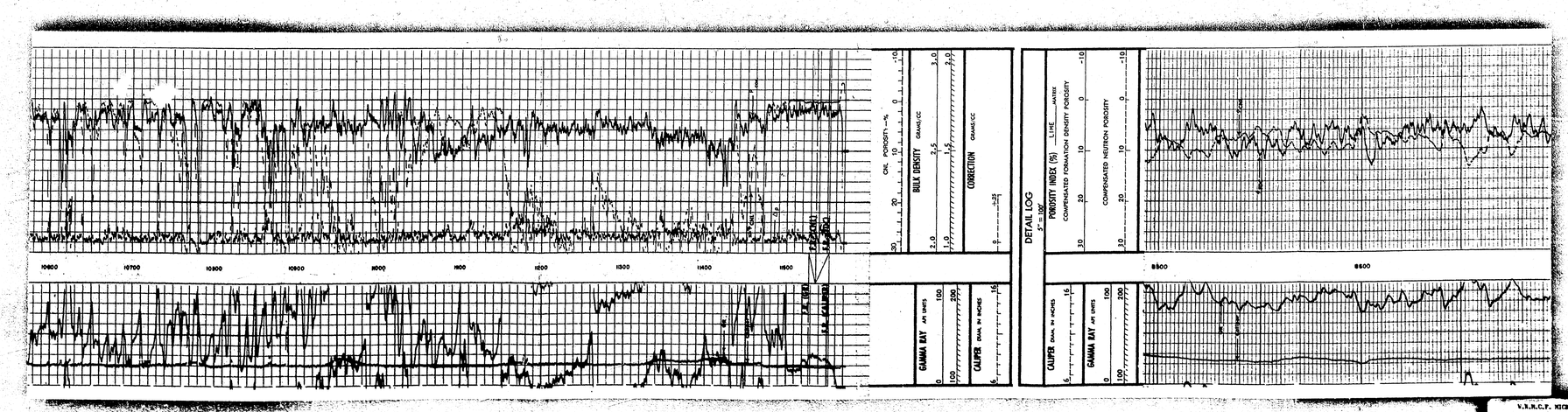
DETAIL LOG
5" = 100'
POROSITY INDEX (%) LIME MATRIX
COMPENSATED FORMATION DENSITY POROSITY
COMPENSATED NEUTRON POROSITY
BULK DENSITY GRAMS/CC
CORRECTION GRAMS/CC
GAMMA RAY API UNITS
CALIPER (MAN. IN INCHES)
8500
8600
10900
10700
10500
10000
9000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
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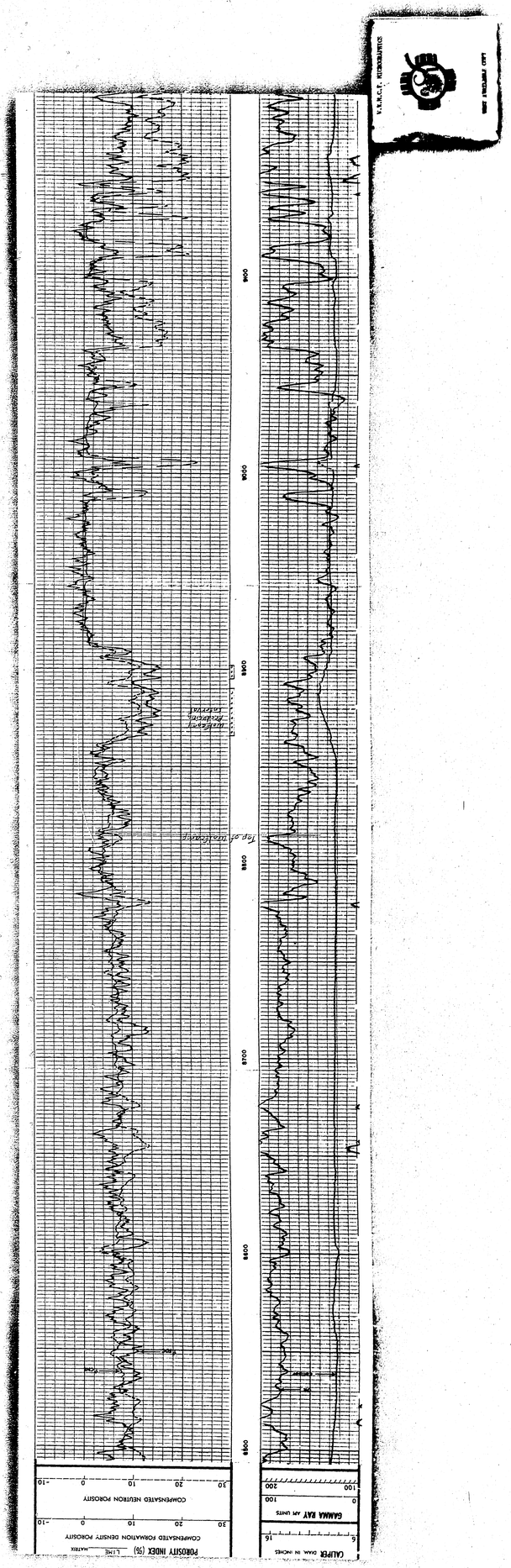
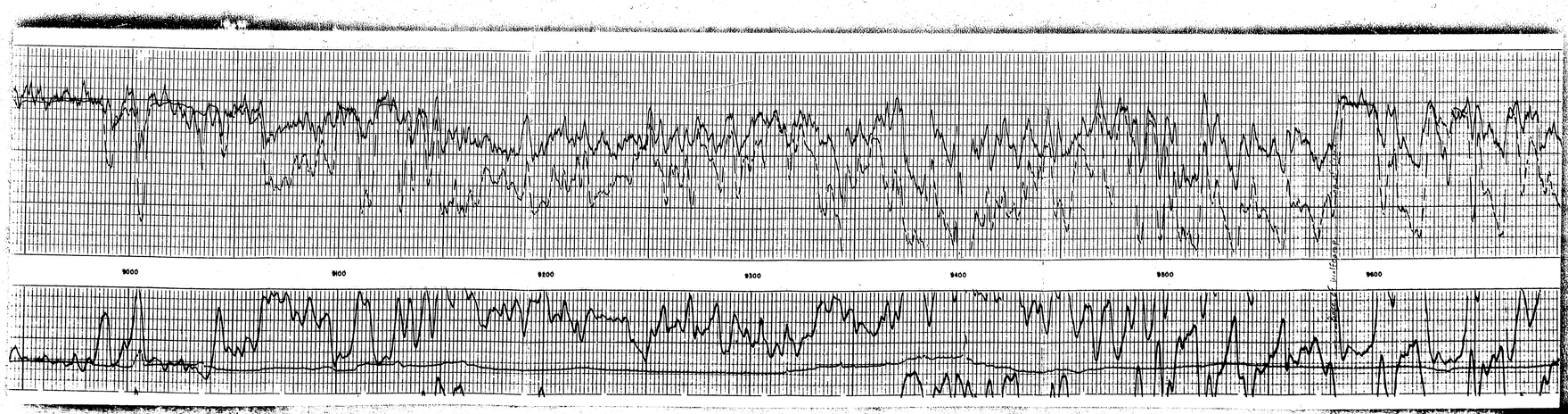

V.S.A.C.F. INSTRUMENTS
CALIPER DIAM. IN INCHES
6
16
GAMMA RAY API UNITS
0
100
200
POROSITY INDEX (%)
LIME
MATRIX
COMPENSATED FORMATION DENSITY POROSITY
COMPENSATED NEUTRON POROSITY
8800
8900
9000
9100
Top of Interval
Interval Running Interval
Base



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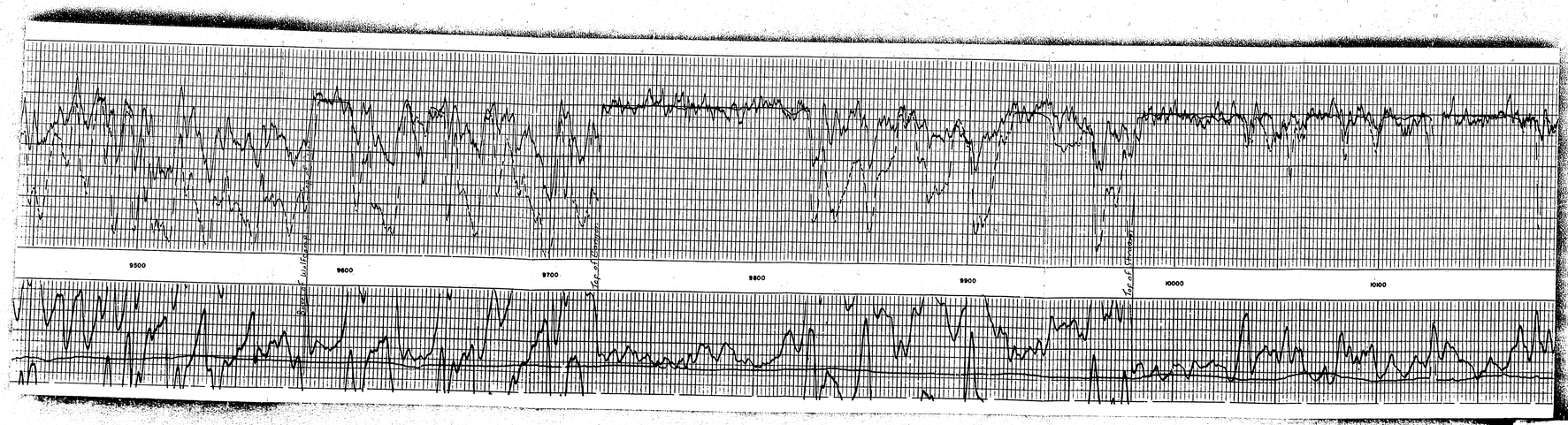

V.R.M.C.F. MICROGRAPHICS
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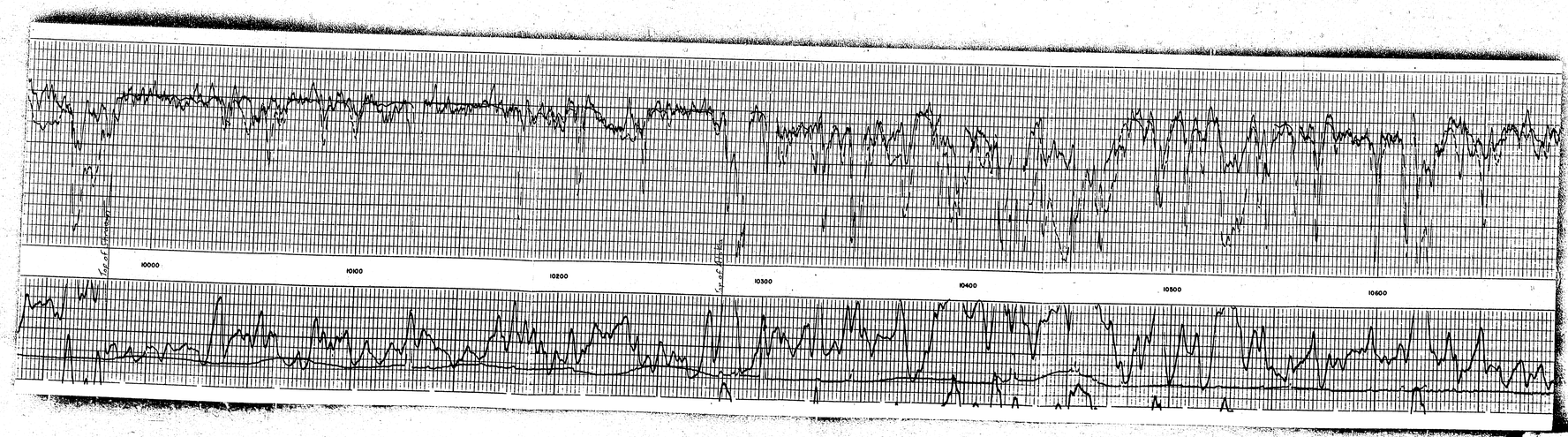

V.V.N.C.F. MICROGRAPHICS
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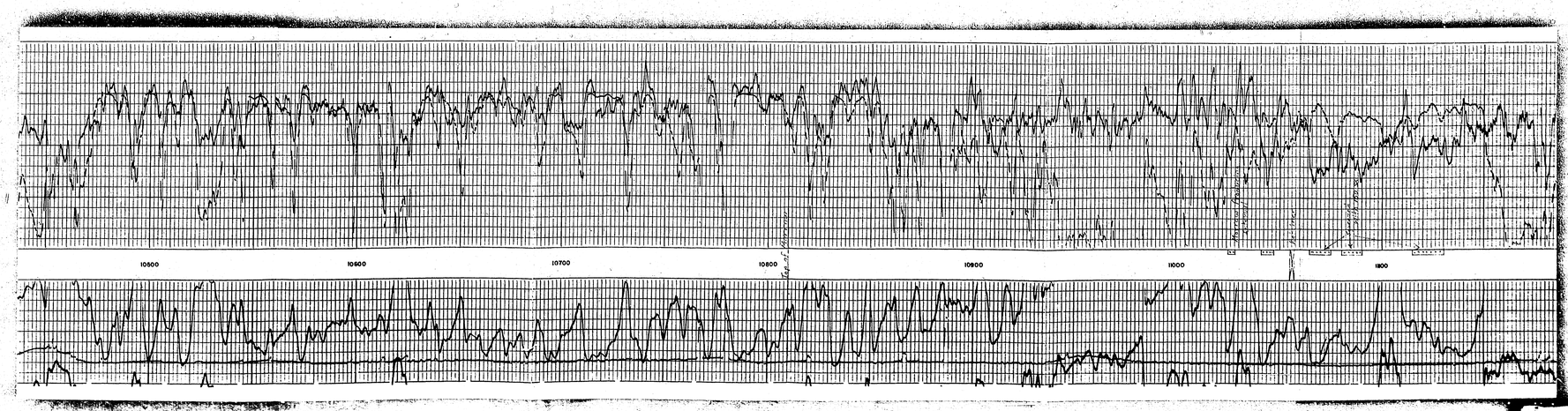

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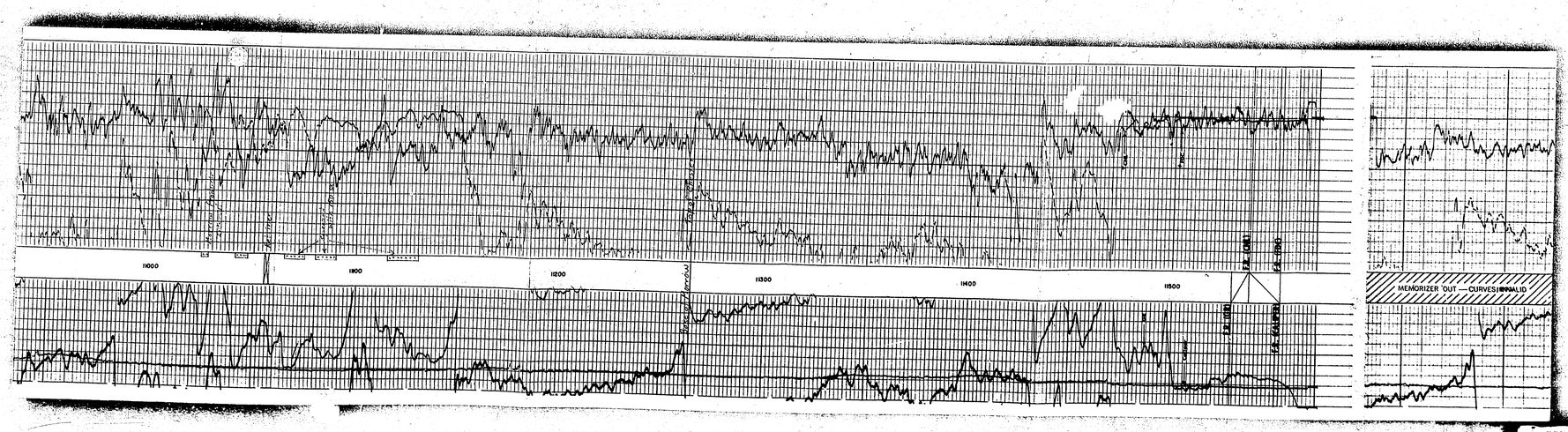

V.A.N.C.F. MICROGRAPHICS
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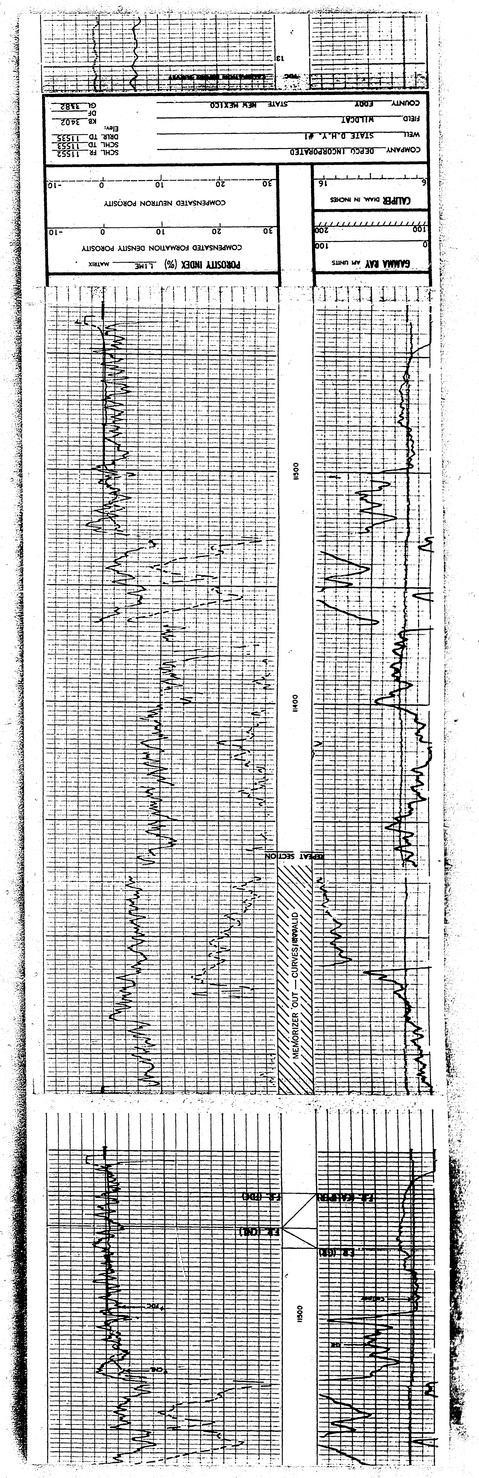

COMPANY DEPCO, INCORPORATED
WELL STATE D.H.Y. #1
FIELD WILDCAT
COUNTY EDDY STATE NEW MEXICO
GAMMA RAY API UNITS
CALIPER DIAM. IN INCHES
POROSITY INDEX (%) LIME MATRIX
COMPENSATED FORMATION DENSITY POROSITY
COMPENSATED NEUTRON POROSITY
MEASURED DEPTH
MEAS. SECTION
MEASURED DEPTH - CORRECTED
FT. (MD)
FT. (TVD)
DEPTH
DRILLER
LOGGER
BOTTOM LOGGED INTERVAL
TOP LOGGED INTERVAL
TYPE FLUID IN HOLE
DENSITY
VISCOSITY
PH
FLUID LOSS
SOURCE OF SAMPLE
RM @ MEAS. TEMP.
RMF @ MEAS. TEMP.
RMC @ MEAS. TEMP.
SOURCE OF RMF
SOURCE OF RMC
RM @ BHT
TIME SINCE CIRCULATION
MAX. REC. TEMP. DEG. F
EQUIP. LOCATION
RECORDED BY
WITNESSED BY
RUN NO.
DATE
TYPE LOG
SCHL. TO 11552
SCHL. TO 11552
SCHL. TO 11552
DRILL. TO 11552
ELEV.
KB 3402
DF
GL 3382

C.I. MICROGRAPHICS W.N.M.E.P.

P.O. DRAWER 250

GRANTS, NEW MEXICO 87020

DOCUMENT WITHDRAWN SHEET

The document listed below has been withdrawn for the purpose as follows:

_____ No acknowledgement

_X_ Other: Water Damaged Documents

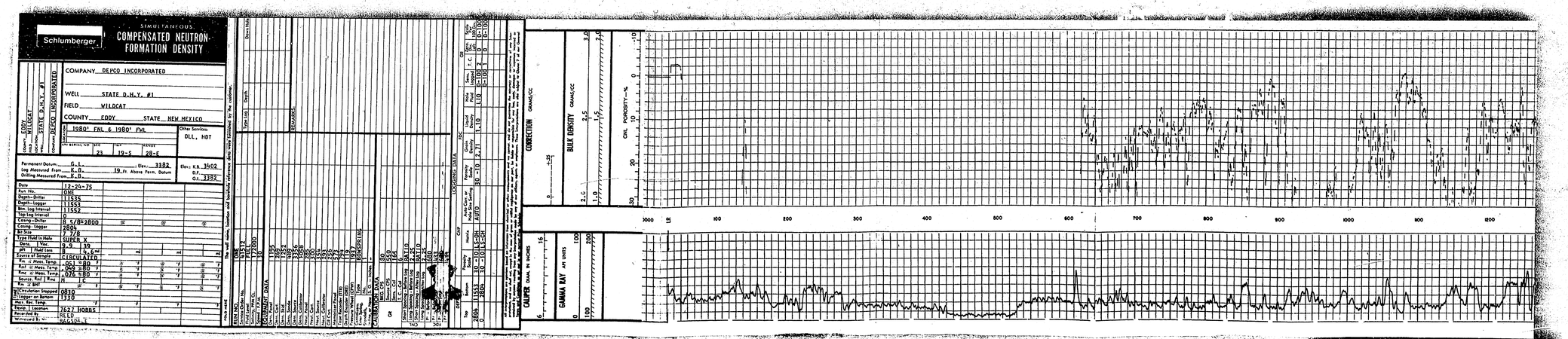
DOCUMENT NUMBER 5648

REEL NUMBER F 39

FRAME NUMBER # 147

DATE 1-13-88

SIGNED OUT BY Hernandez



W.N.M.E.P. MICROGRAPHICS

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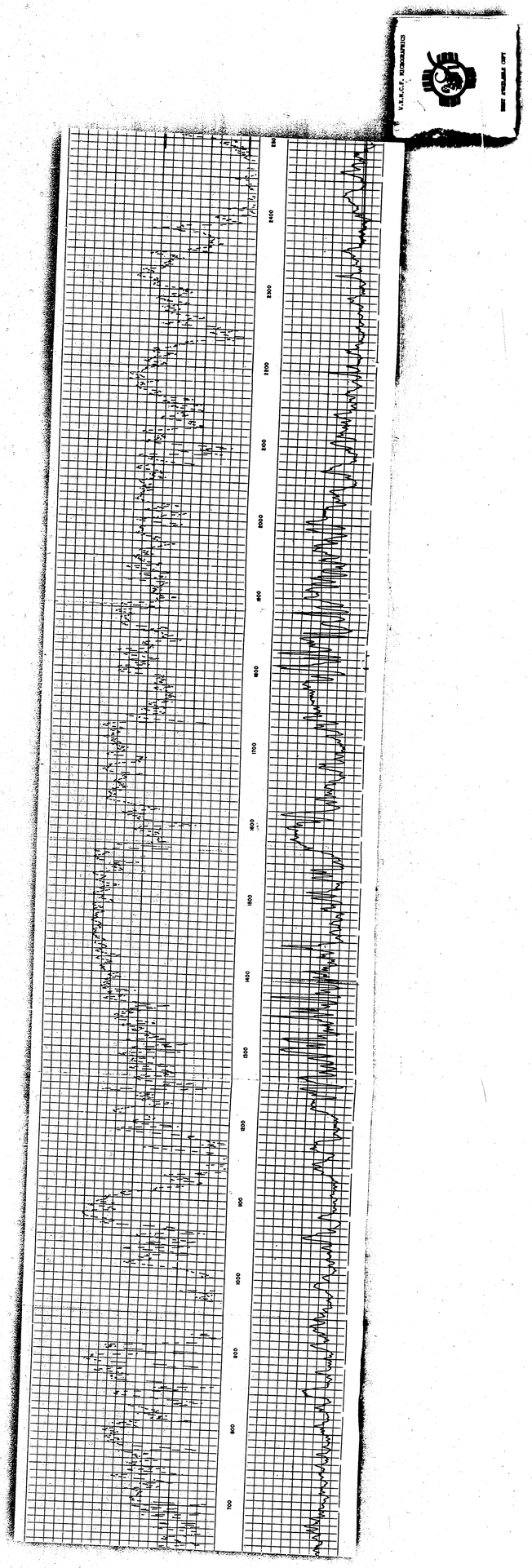
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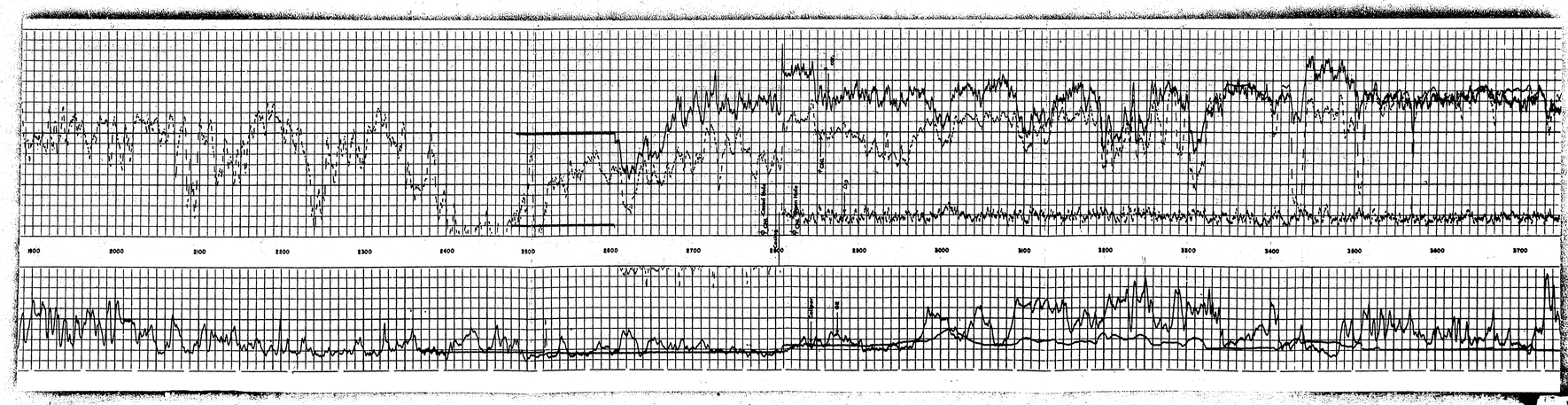
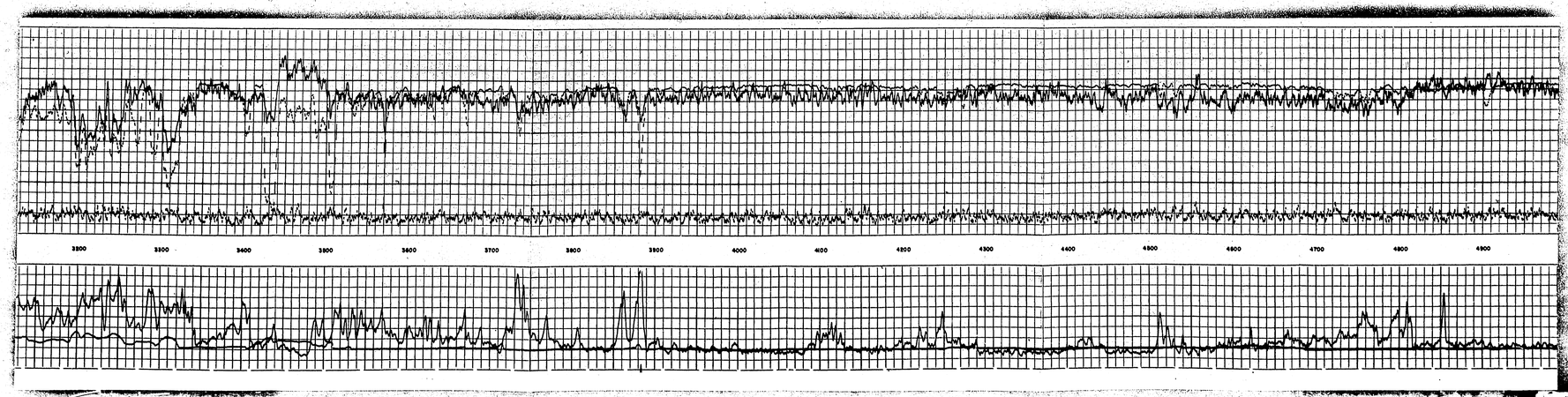
900
1000
1100
1200
1300
1400
1500
1600
1700
1800



V.A.R.C.F. MICROGRAPHICS



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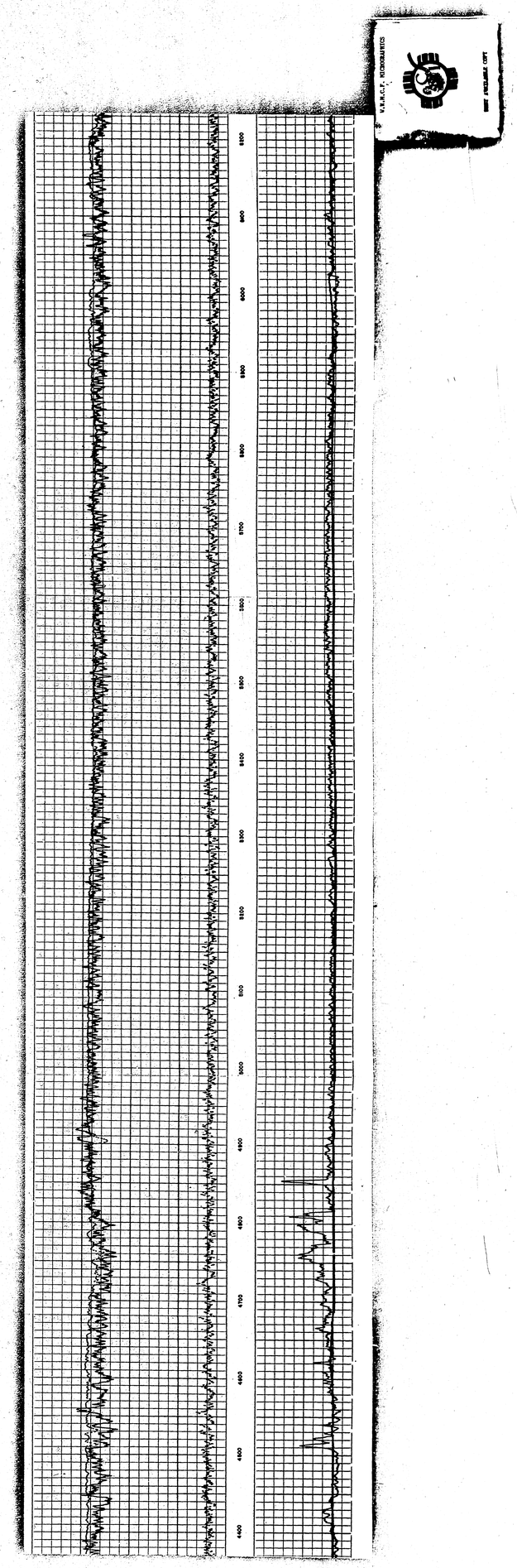
M.N.A.C.P. MICROSEISMOS
INST. GEOLOGIA U.N.A.M.
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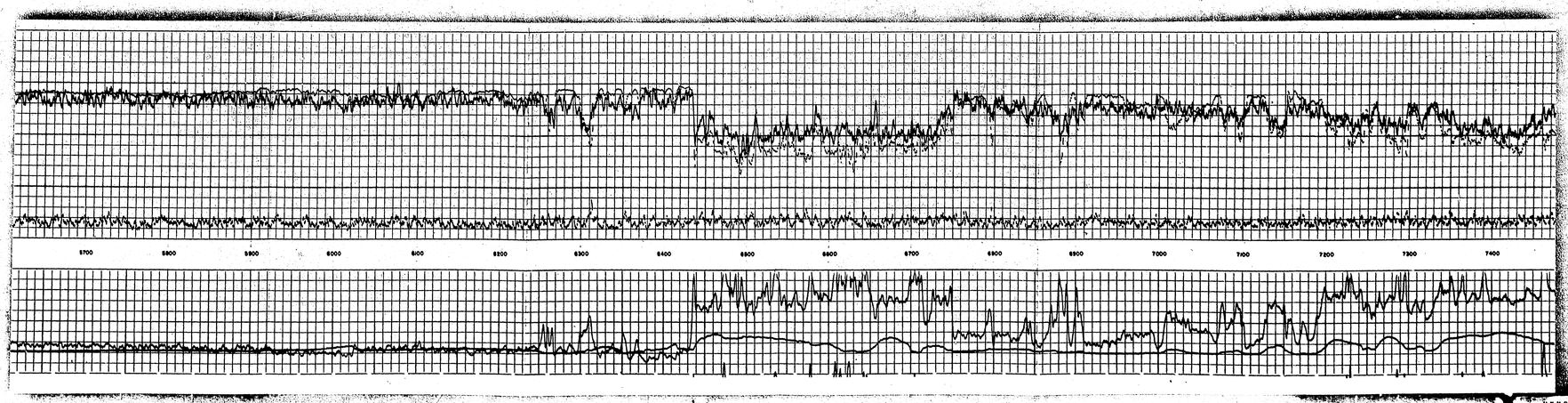
0700
0800
0900
1000
0900
0800
0700
0600
0500
0400



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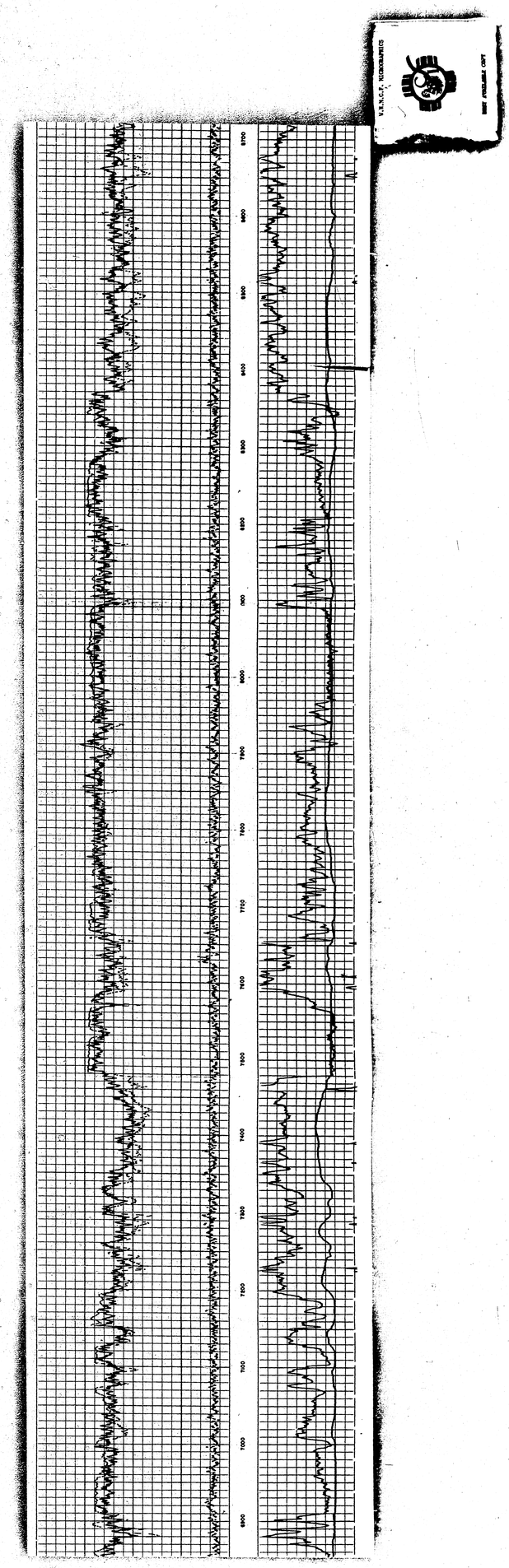
V.E.N.C.F. KUROKAMPUIS
7700
7600
7500
7400
7300
7200
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6600
6500
6400
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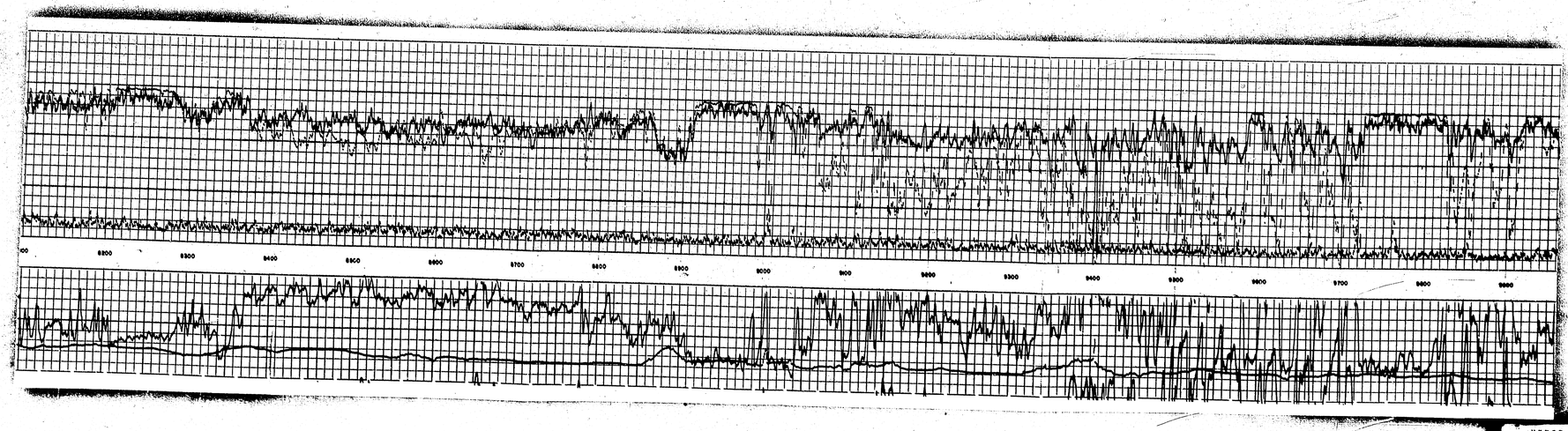
5800
5700



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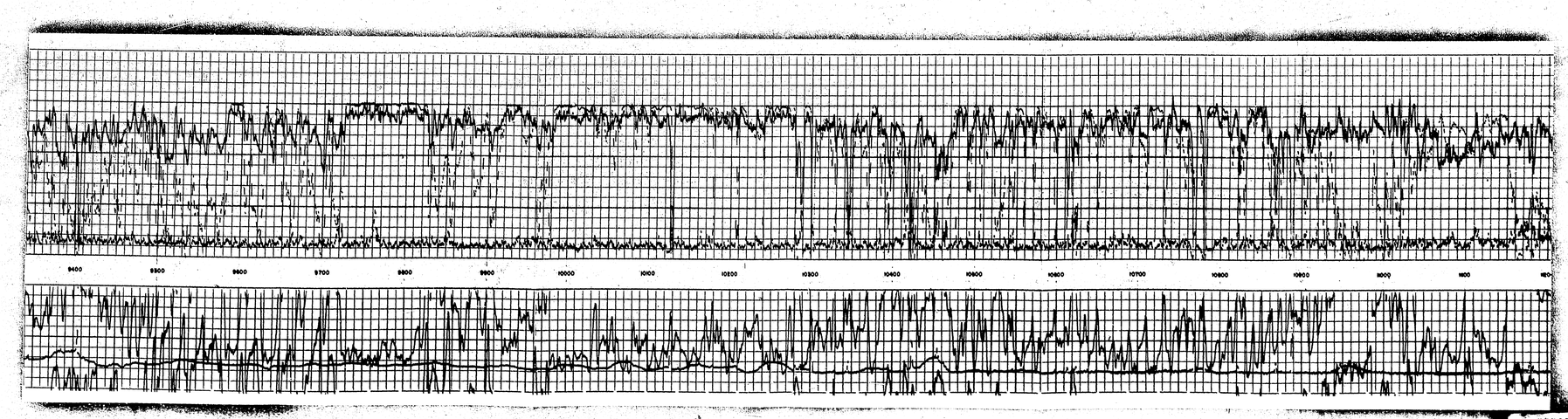

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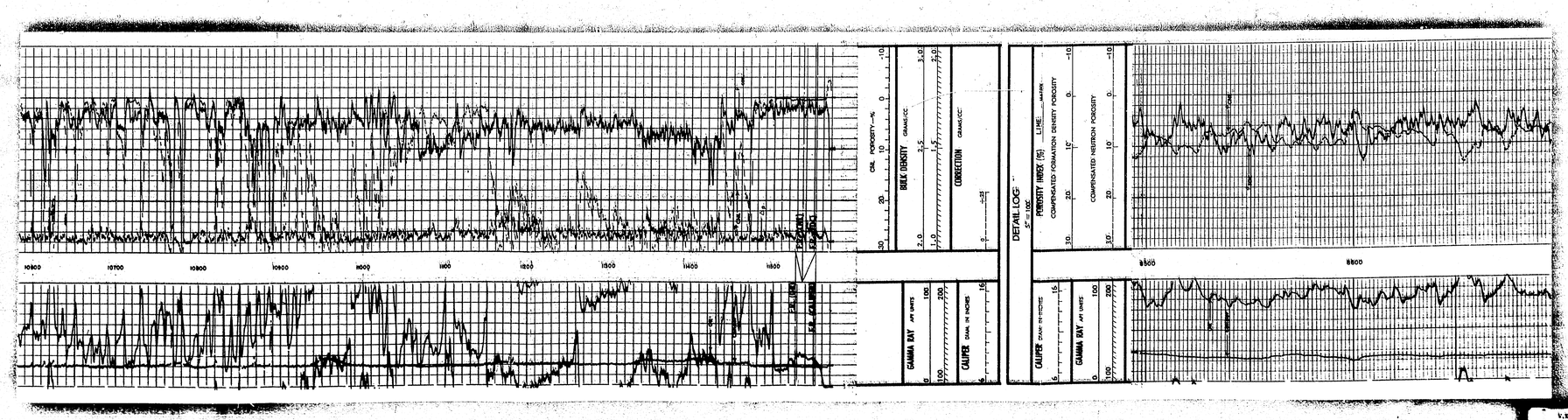
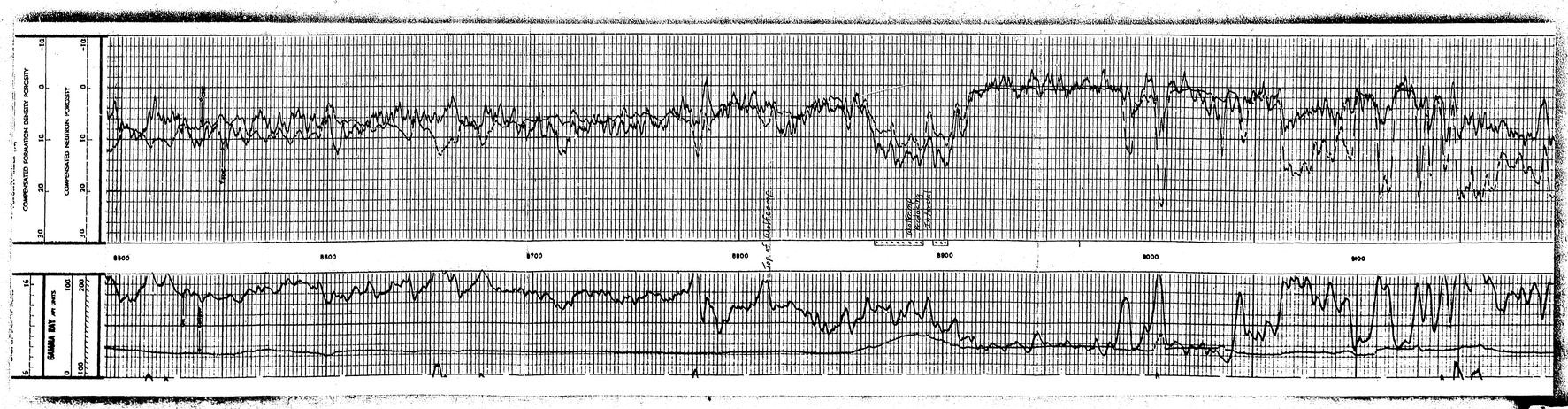


V.V.N.C.P. PHOTOGRAPHICS



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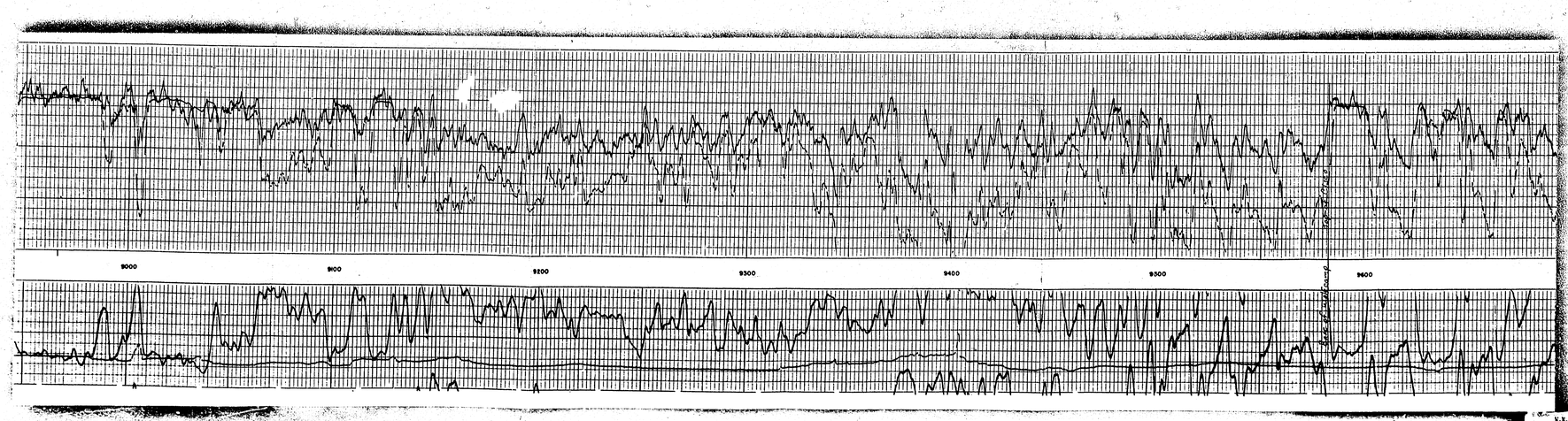

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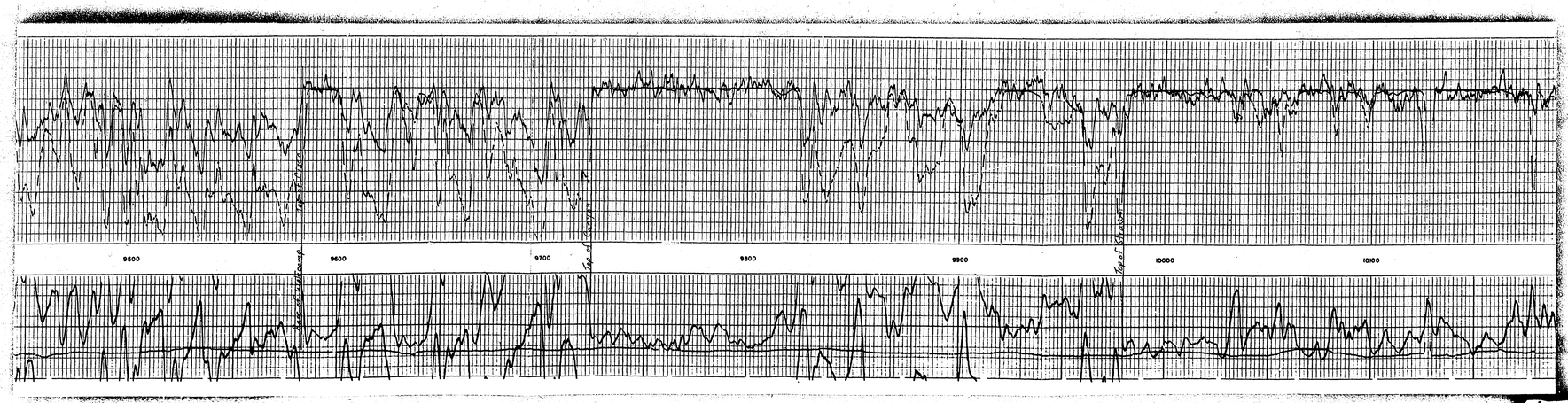

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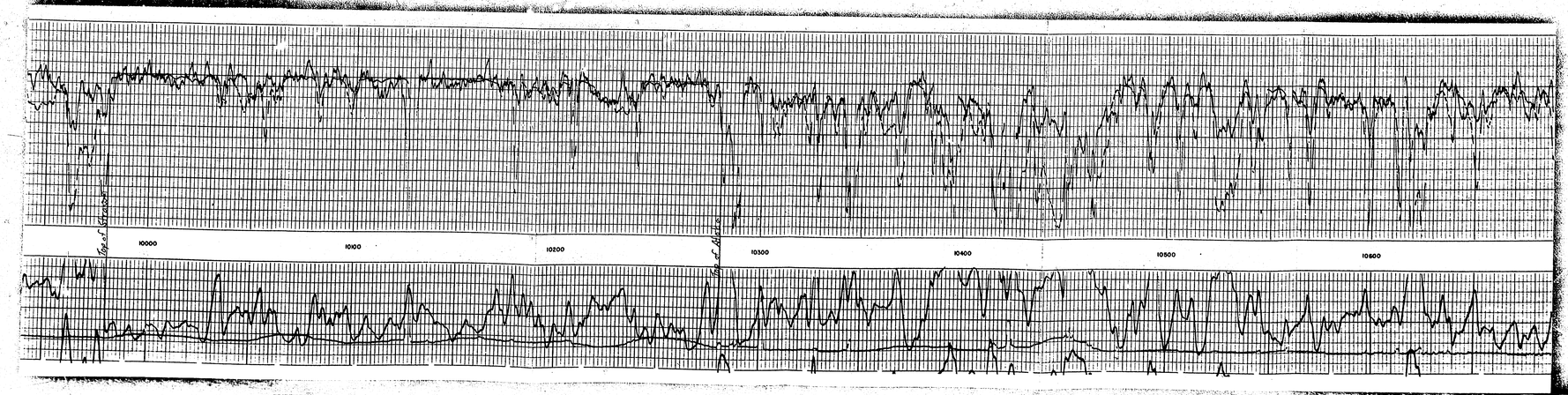

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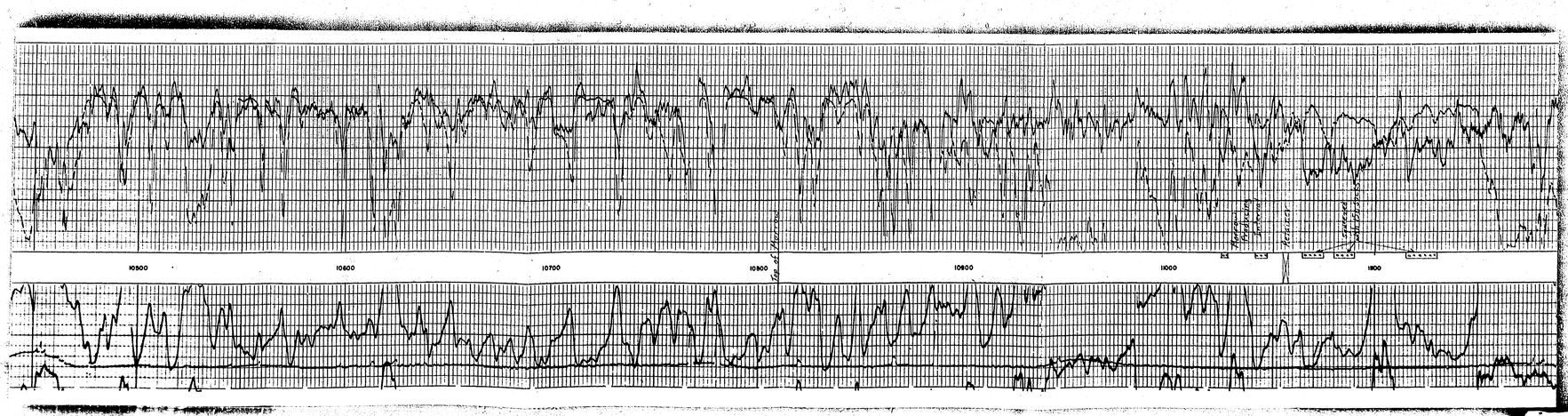

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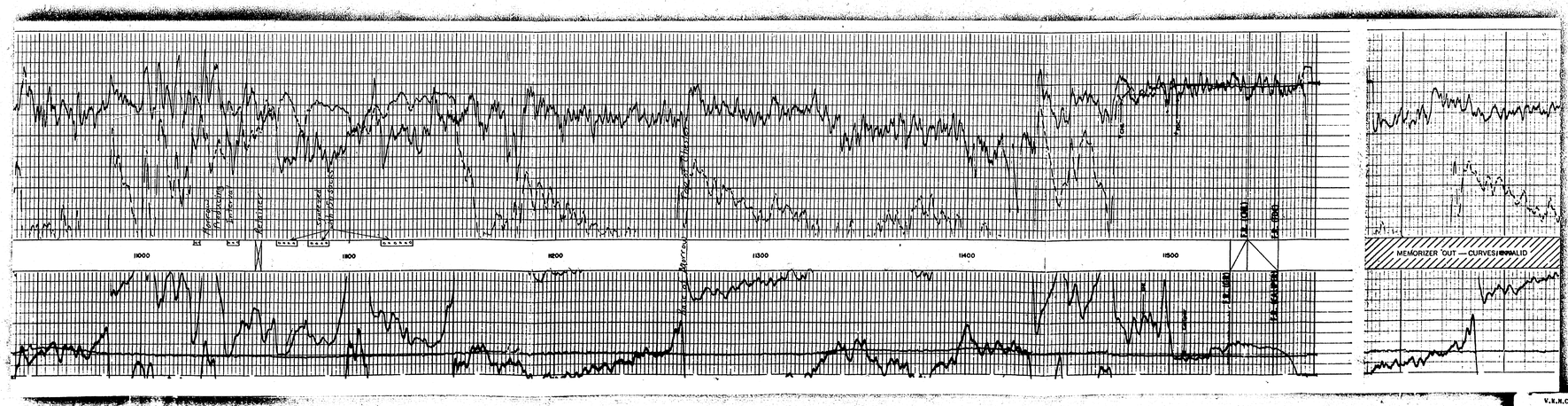

V.R.N.C.F. MICROGRAPHICS
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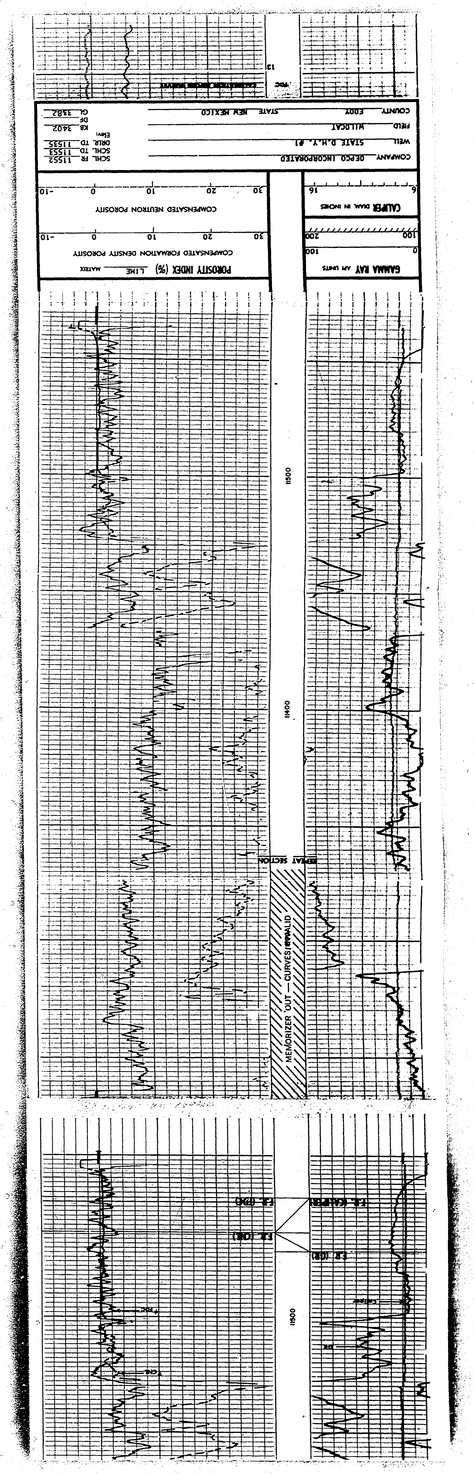
V.A.M.C.F. MICROGRAPHICS
LAND SURVEY DEPT



Schlumberger

SIMULTANEOUS
COMPENSATED NEUTRON-FORMATION DENSITY

COMPANY DEPCO INCORPORATED

Exhibit No. 3

WELL STATE D.H.Y. #1

FIELD WILDCAT

COUNTY EDDY STATE NEW MEXICO

1980' FNL & 1980' FWL

Other Services: DLL, MDT

Sec 23 Twp 19-S Rge 28-E

Permanent Datum G.L. Elev. 3382 Elev.: K.B. 3402

Log Measured From K.B. 19 Ft. Above Perm. Datum D.F.

Drilling Measured From K.B. G.L. 3382

Date	12-24-75	
Run No.	ONE	
Depth—Driller	11535	
Depth—Logger	11553	
Btm. Log Interval	11552	
Top Log Interval	0	
Casing—Driller	8 5/8@2800	@
Casing—Logger	2804	
Bit Size	7 7/8	
Type Fluid in Hole	SUPER X	
Dens. / Visc.	9.9 / 39	
pH / Fluid Loss	8 / 6.4	ml / ml
Source of Sample	CIRCULATED	
Rm @ Meas. Temp.	.061 @ 80 °F	@ °F @ °F @ °F
Rmf @ Meas. Temp.	.049 @ 80 °F	@ °F @ °F @ °F
Rmc @ Meas. Temp.	.076 @ 80 °F	@ °F @ °F @ °F
Source Rmf / Rmc	M / C	/
Rm @ BHT	.38 °F	@ °F @ °F @ °F
Circulation Stopped	0830	
Logger on Bottom	1330	
Max. Rec. Temp.	°F	°F °F
Equip. Location	7627 HOBBS	
Recorded By	RECO	
Witnessed By Mr.	RAGSDALE	

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
Applicant EXHIBIT NO. 3
CASE NO. 548

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

Field: EDDY
Area: WILDCAT
Location: STATE D.H.Y. #1
Customer: DEPCO INCORPORATED

Directional Data — Type (Inc. / Azim.) / Depth

REMARKS

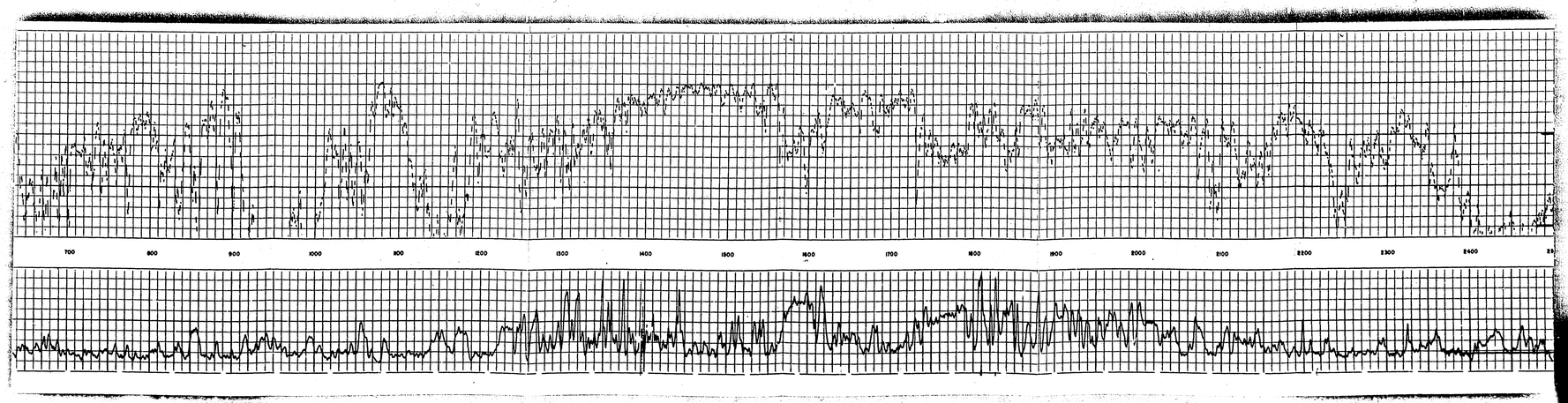
LOGGING DATA

RUN NO.	ONE	TWO	THREE
Date	12-24-75		
Time Logger On Btm.	1330		
Fluid Level	FULL		
Max. Rec. Temp. °F	130		
Equip. No. / Location	7627 HOBBS		
Recorded By	RECO		
Witnessed By	RAGSDALE		

CALIBRATION DATA

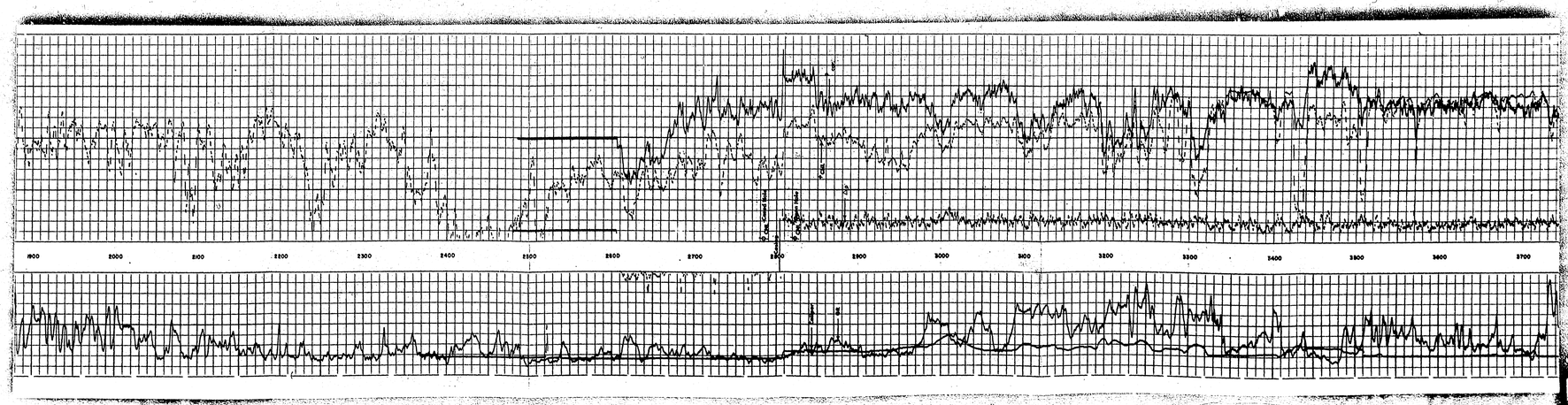
Rm @ Meas. Temp.	.061 @ 80
Rmf @ Meas. Temp.	.049 @ 80
Rmc @ Meas. Temp.	.076 @ 80
Rm @ BHT	.38
Time Since Circ.	5 HRS
Max. Rec. Temp.	130 °F
Equip. No. / Location	7627 HOBBS
Recorded By	RECO
Witnessed By	RAGSDALE

	Run No.	Bottom	Top
Log Measured From	ONE	11535	7000
Permanent Datum	ONE	11535	1195
Elevation	ONE	11535	1195
Elevation	ONE	11535	1195
Elevation

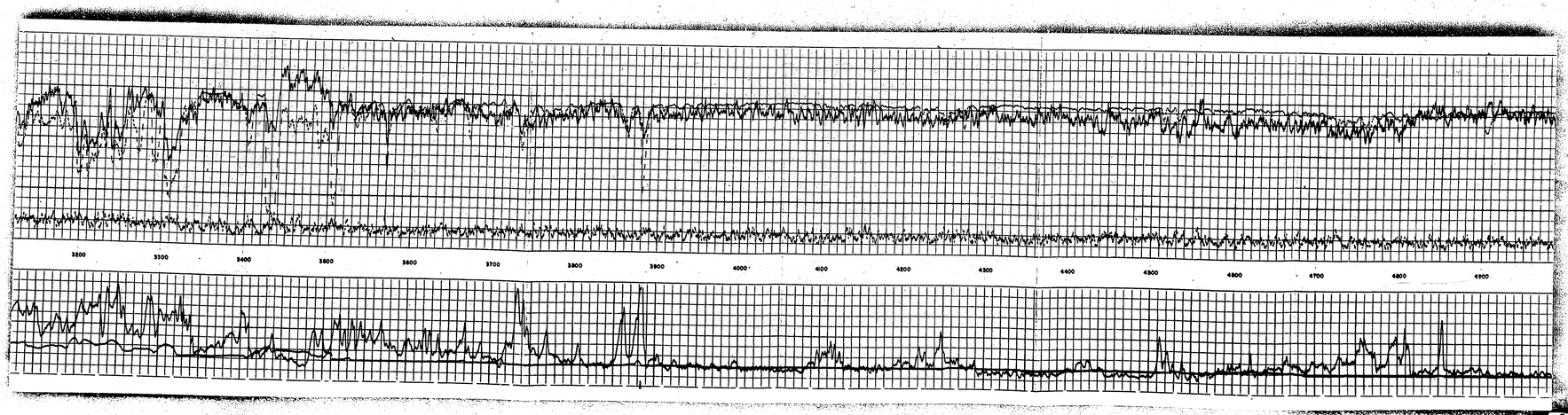


V.R.N.C.F. MICROGRAPHICS

BEST AVAILABLE COPY



U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE
W.S.M.C.F. MICROGRAPHICS
BEST AVAILABLE COPY



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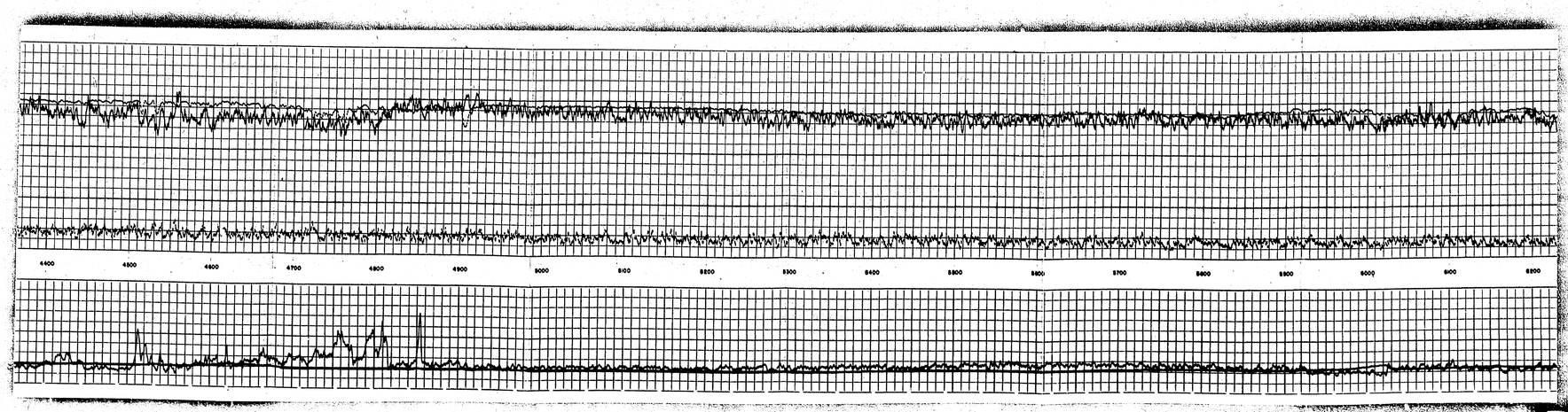

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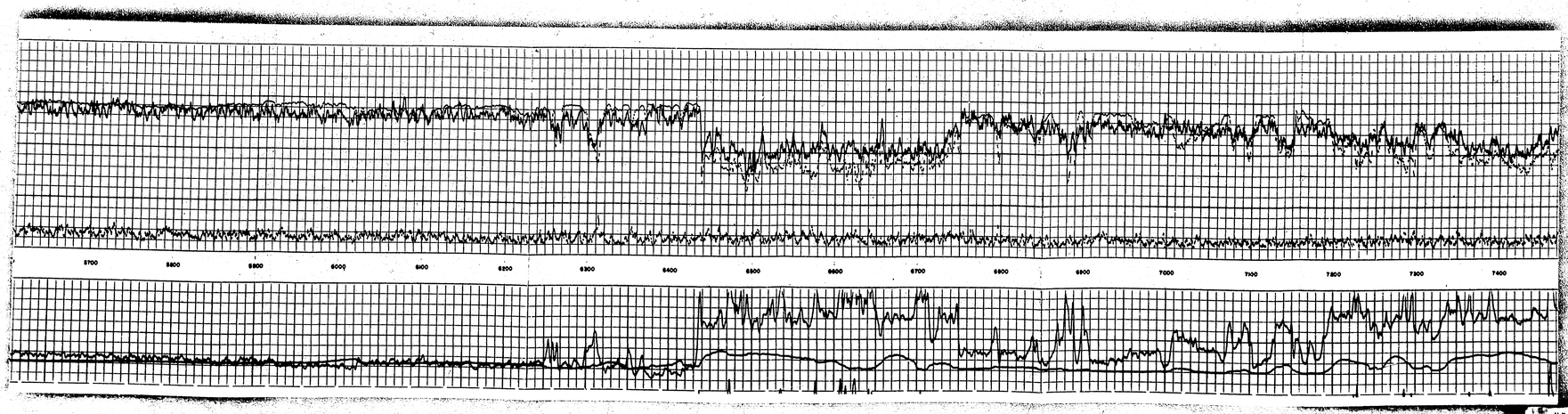

V.R.N.C.F. MICROGRAPHICS
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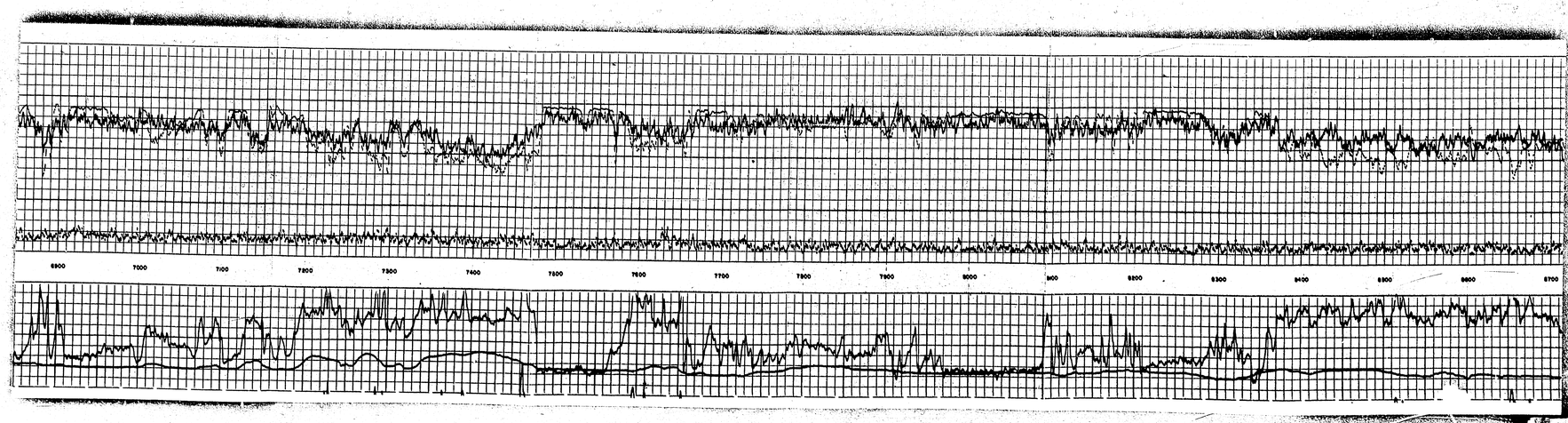

V.R.N.C.P. MICROGRAPHICS
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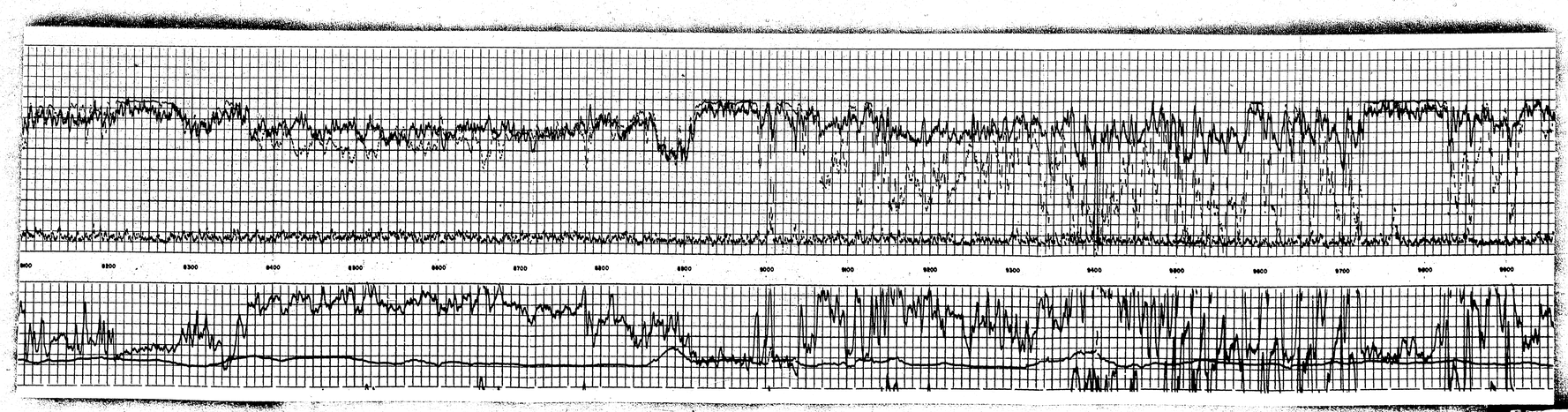

V.P.I.C.F. MICROGRAPHICS
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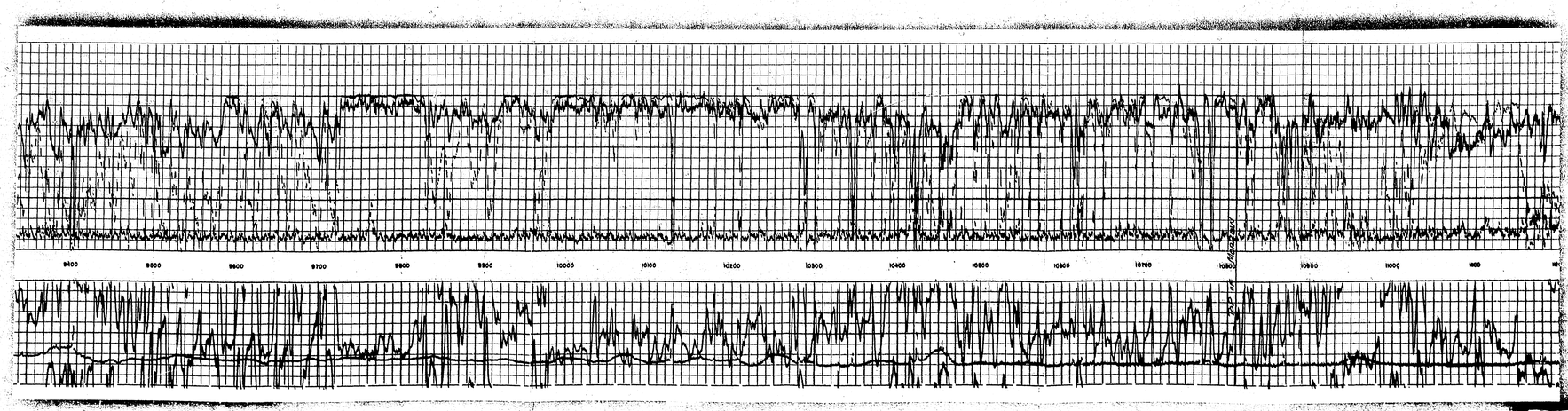

N.R.M.C.P. MICROGRAPHICS

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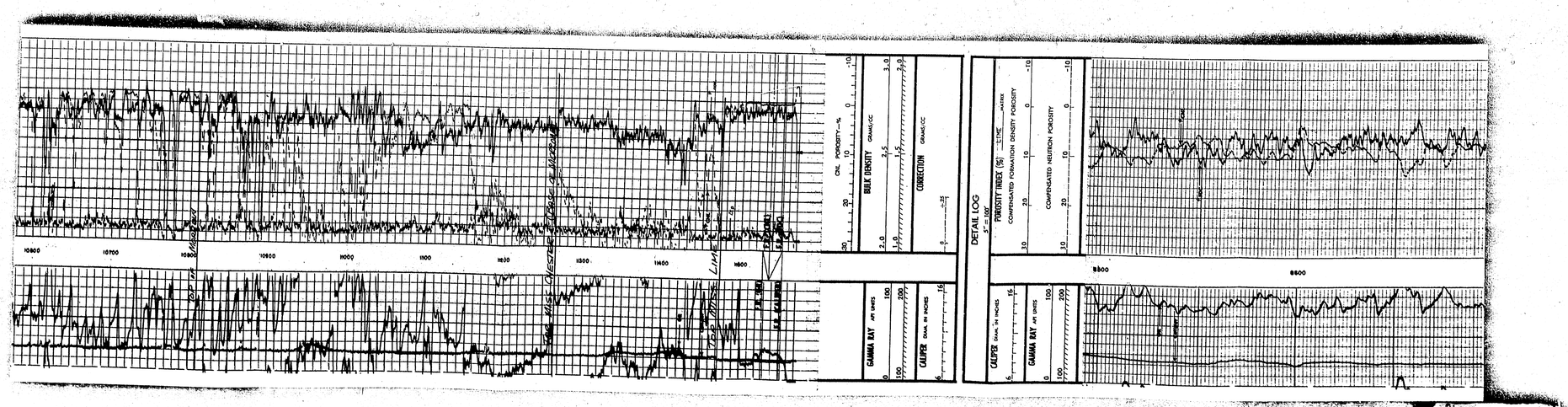

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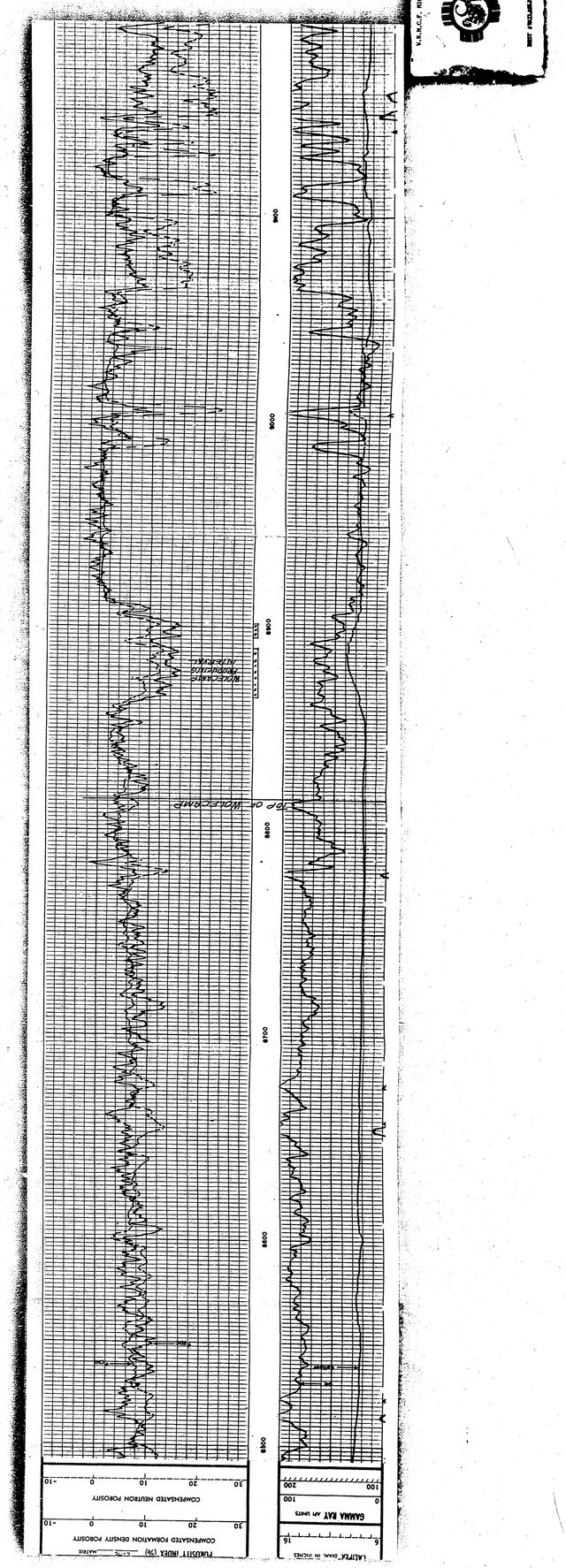
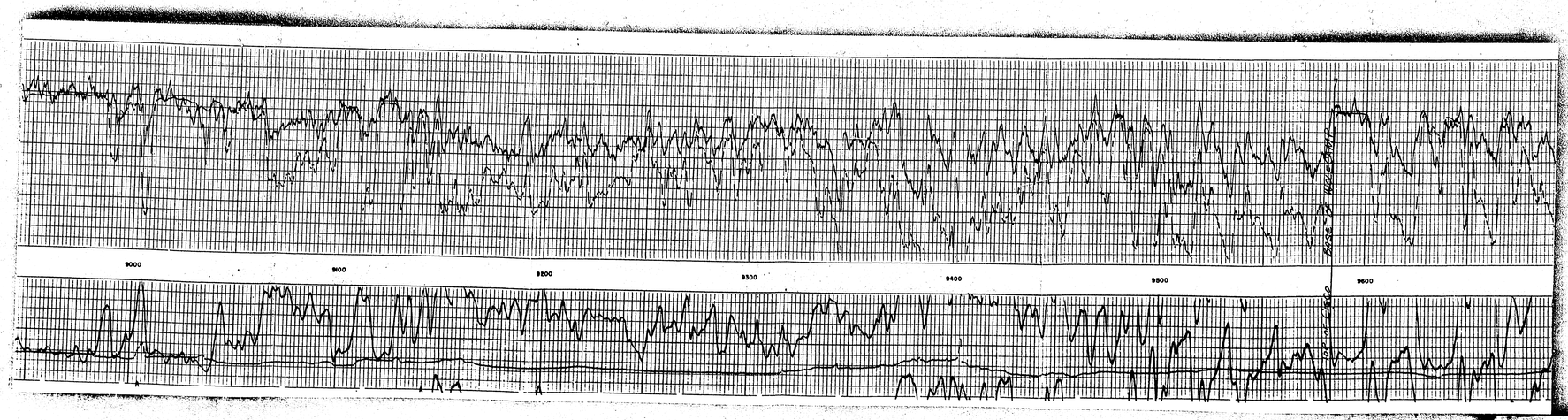

V.A.N.C.E. MICROGRAPHICS
MADE IN ENGLAND
TOP OF MOLECOMP
MOLECOMP PRODUCING INTERVAL
8900
8800
8700
8600
8500
CALIPER DIAM. IN INCHES
6
16
GAMMA RAY API UNITS
0
100
200
COMPENSATED NEUTRON POROSITY
30
20
10
0
-10
COMPENSATED FORMATION DENSITY POROSITY
POROSITY INDEX (%)
LIMESTONE MATRIX



U.S.N.C.F. MICROGRAPHICS

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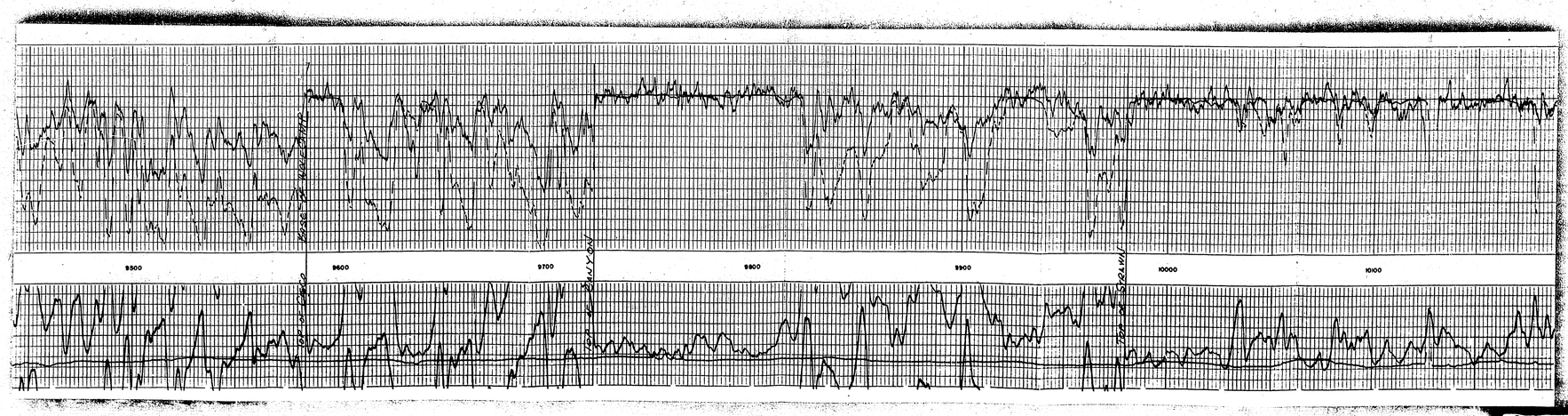

V.P.I.S.U. MICROGRAPHICS
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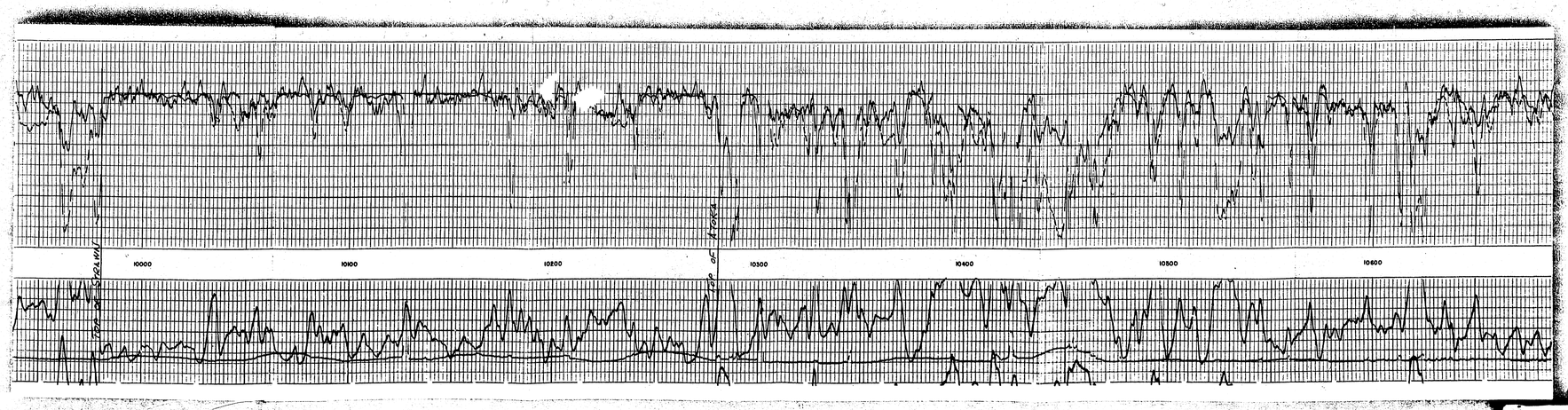

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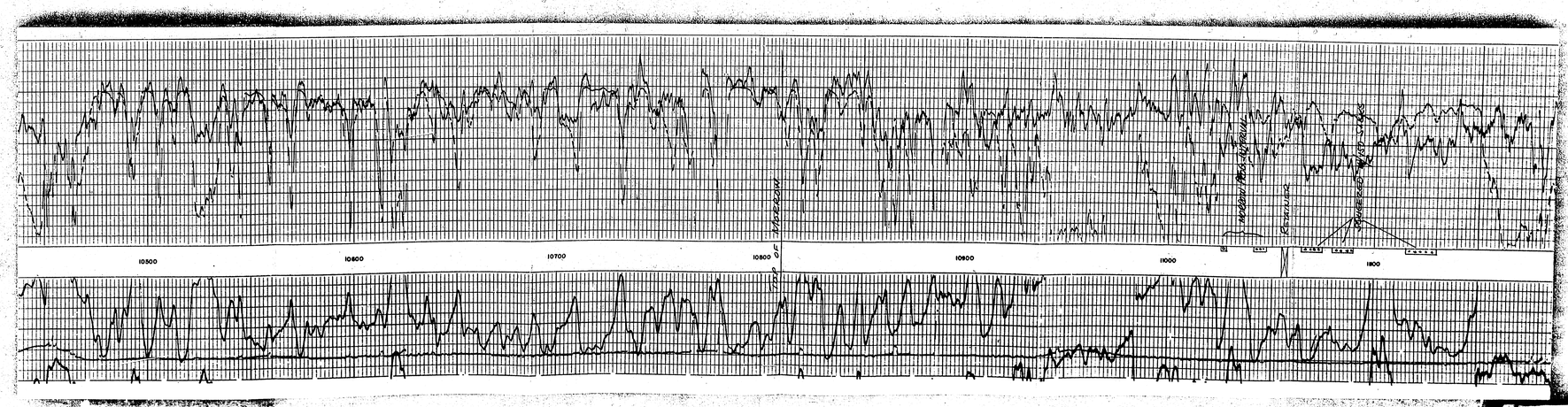

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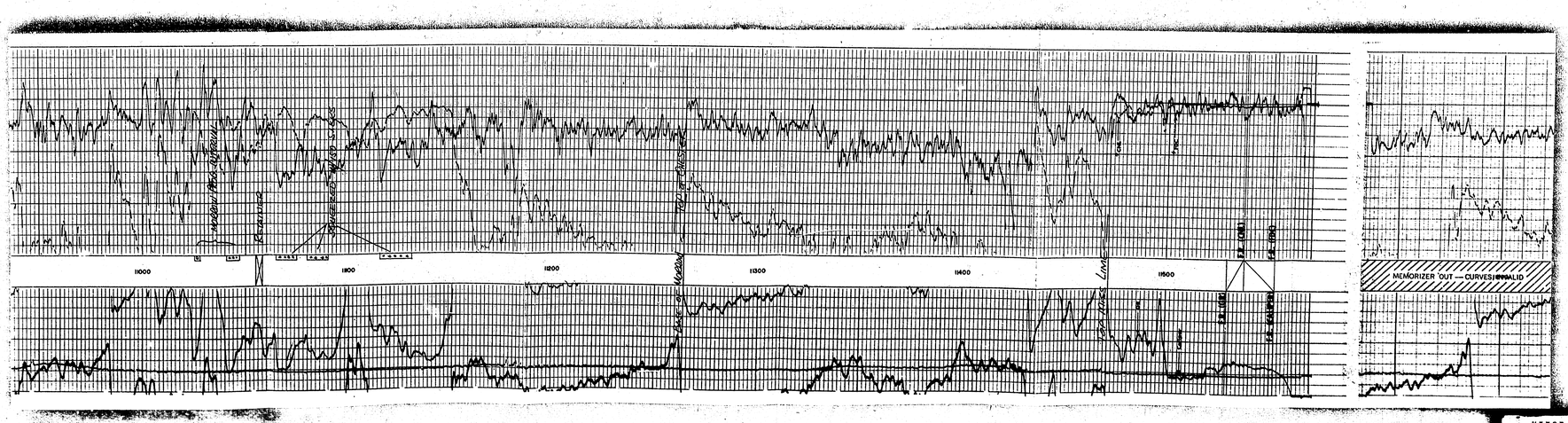

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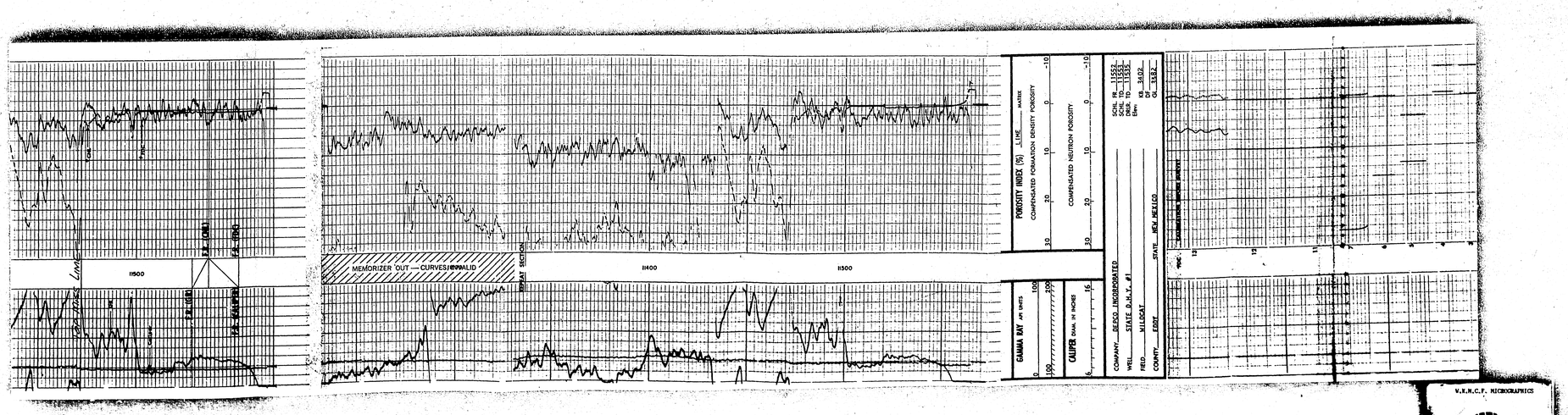

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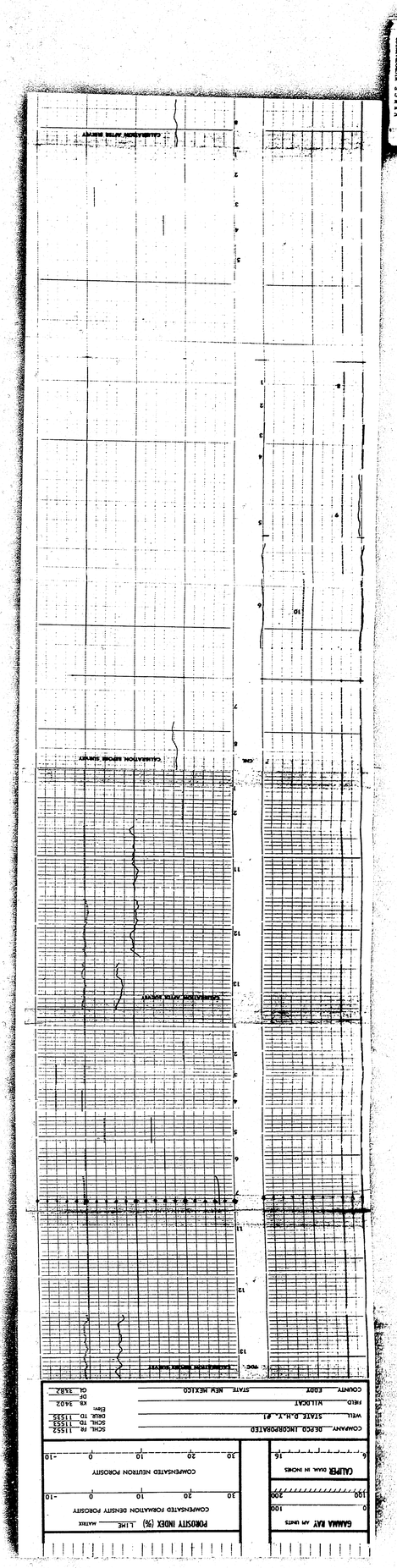
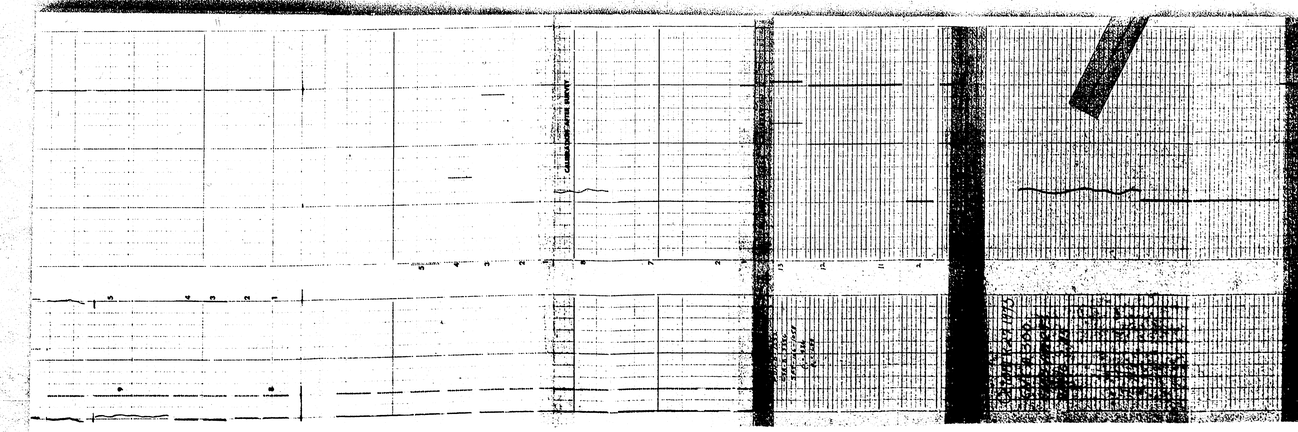

V.A.N.C.F. MICROGRAPHICS
CALIBRATION ARRAY INDUCTION
CALIBRATION SHORT SPACING
CALIBRATION LONG SPACING
CALIBRATION MICRO INVERSE
CALIBRATION MICRO NORMAL
GAMMA RAY API UNITS
0
100
200
CALIPER DIAM. IN INCHES
6
16
POROSITY INDEX (%)
LIME
MATRIX
COMPENSATED FORMATION DENSITY POROSITY
30
20
10
0
-10
COMPENSATED NEUTRON POROSITY
COMPANY DEPCO INCORPORATED
WELL STATE D.M.Y. #1
FIELD WILDCAT
COUNTY EDDY STATE NEW MEXICO
SCHL. Rm 11552
SCHL. TD. 11551
DRLR. TD. 11535
Elev.
KB 3402
DF
GL 3382



V.S.R.C.F. MICROGRAPHICS
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Schlumberger

SIMULTANEOUS
COMPENSATED NEUTRON-
FORMATION DENSITY

COMPANY DEPCO INCORPORATED

Exhibit No. 3

WELL STATE D.H.Y. #1

FIELD WILDCAT

COUNTY EDDY STATE NEW MEXICO

1980' FNL & 1980' FWL

Sec. 21 Twp. 19-S Range 28-E

Other Services: DLL, HDT

Permanent Datum: G.L. Elev.: 3382 Elev.: K.B. 3402

Log Measured From: K.B. 19 Ft. Above Perm. Datum D.F.

Drilling Measured From: K.B. G.L. 3382

Date	12-20-75						
Run No.	ONE						
Depth-Driller	11535						
Depth-Logger	11553						
Btm. Log Interval	11552						
Top Log Interval	0						
Casing-Driller	8 5/8"@2800						
Casing-Logger	2809						
Bit Size	7 7/8						
Type Fluid in Hole	SUPER X						
Dens. | Visc.	9.9 | 39						
pH | Fluid Loss	8 | 4.6cc						
Source of Sample	CIRCULATED						
Rm @ Meas. Temp.	.051@80 °F	@ °F	@ °F	@ °F			
Rmf @ Meas. Temp.	.049@80 °F	@ °F	@ °F	@ °F			
Rmc @ Meas. Temp.	.076@80 °F	@ °F	@ °F	@ °F			
Source: Rmf | Rmc	M | C						
Rm @ BHT	@ °F	@ °F	@ °F	@ °F	@ °F		
Time Circulation Stopped	0830						
Time Logger on Bottom	1330						
Max. Rec. Temp.	°F	°F	°F	°F	°F		
Equip. | Location	7627 HOBBS						
Recorded By	REED						
Witnessed By	MCDOALE						

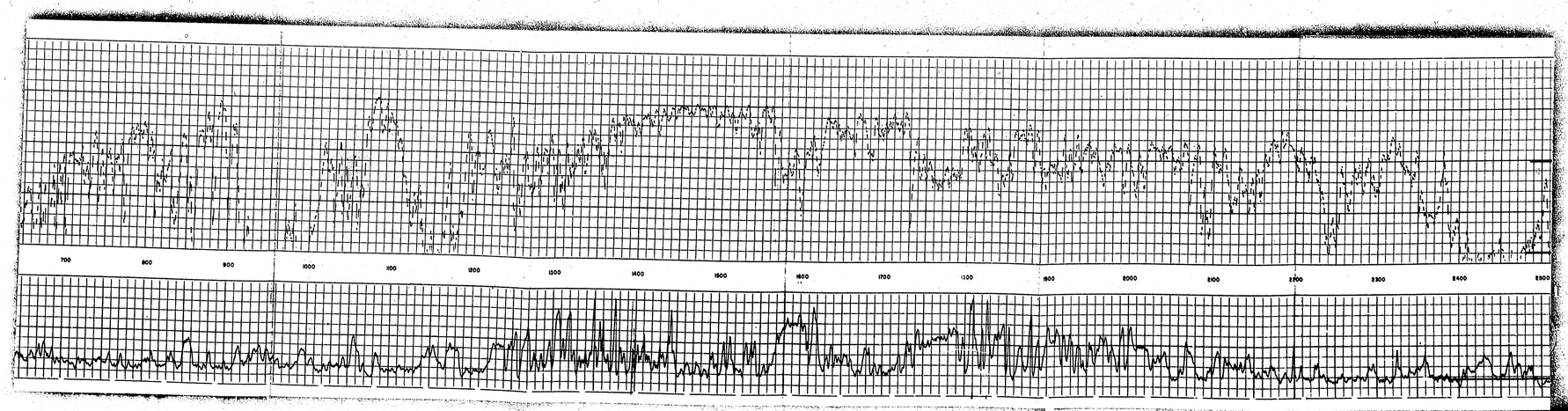
BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
Applicant Exhibit No. 3
Case No. 5696

Remarks

RUN NO. ONE
Bit No. 6JTC3
Casing Driller 8 5/8@2800
Casing Logger 2809
Bit Size 7 7/8
Type Fluid in Hole SUPER X
Dens. Visc. 9.9 39
pH Fluid Loss 8 4.6cc
Source of Sample CIRCULATED
Rm @ Meas. Temp. .051@80
Rmf @ Meas. Temp. .049@80
Rmc @ Meas. Temp. .076@80
Source Rmf Rmc M C
Rm @ BHT @ °F
Time Circ. Stopped 0830
Time Logger on Btm. 1330
Max. Rec. Temp. °F
Equip. Location 7627 HOBBS
Recorded By REED
Witnessed By MCDOALE

EQUIPMENT DATA

	Run	Type	From	To
Rec. Ch.	ONE	DLL	2809	11552
Rec. Ch.	ONE	HDT	2809	11552
Rec. Ch.	ONE			
Rec. Ch.	ONE			
Rec. Ch.	ONE		



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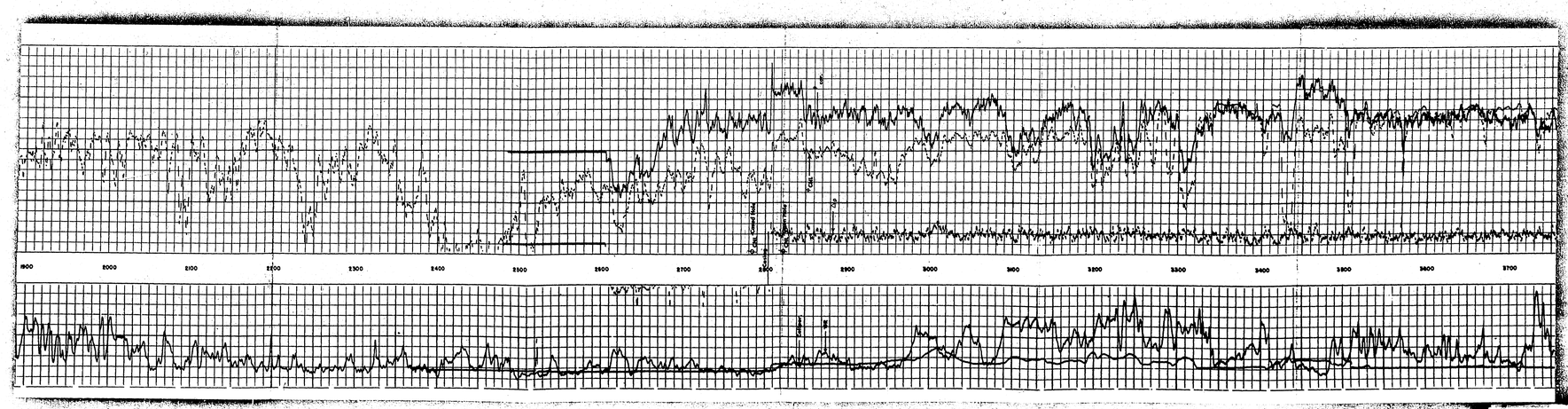

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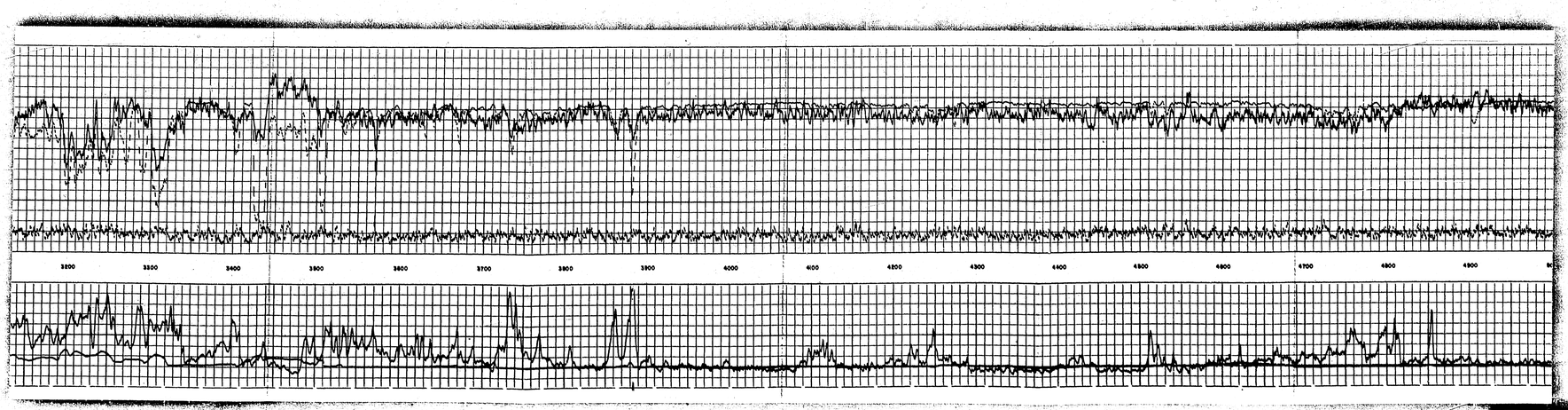

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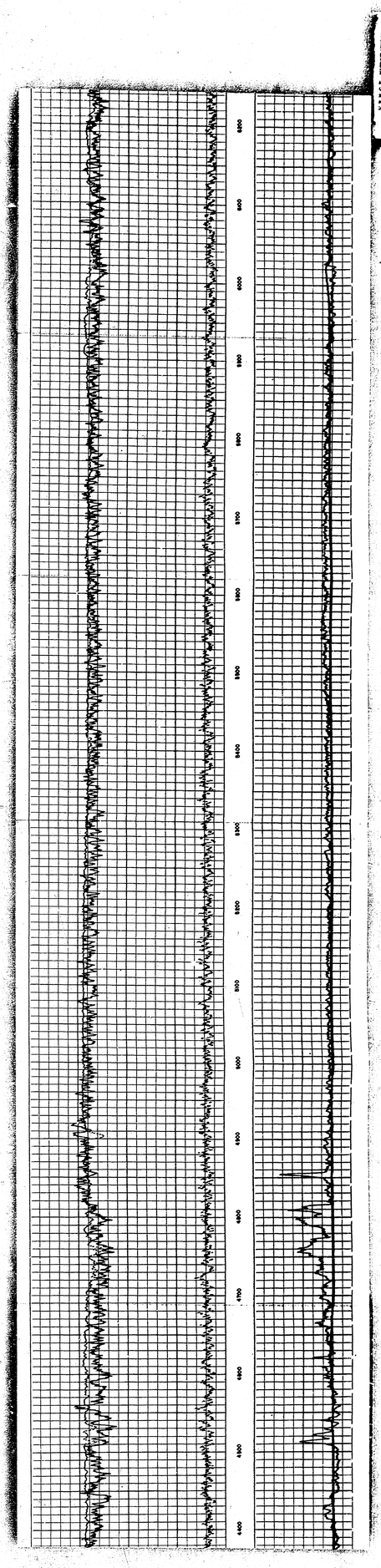
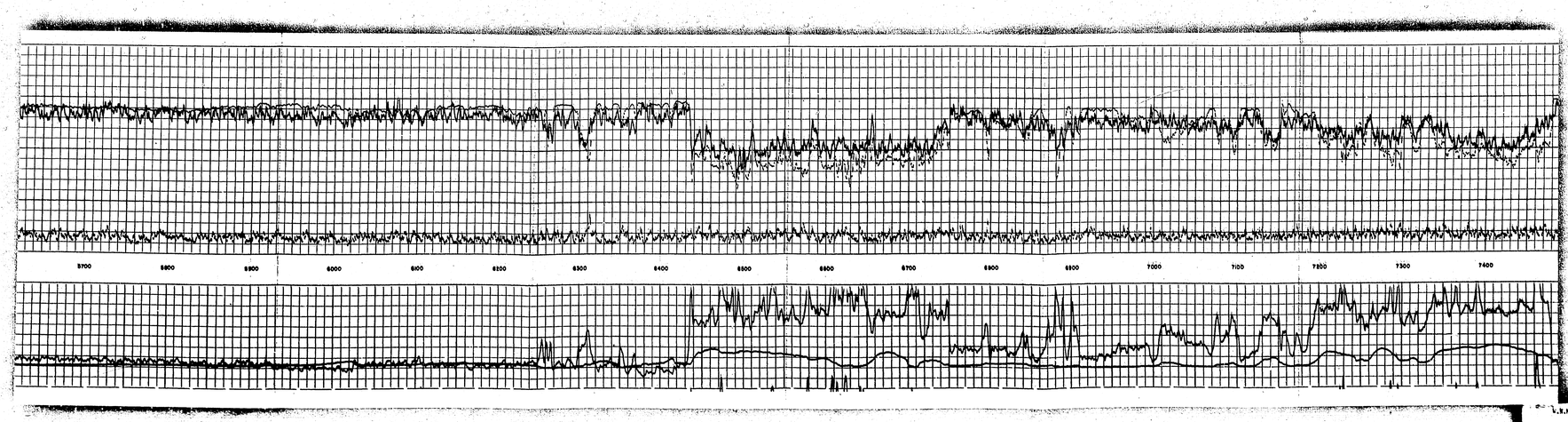

U.S.N.A.E. NORMANIC
MADE IN MEXICO CITY



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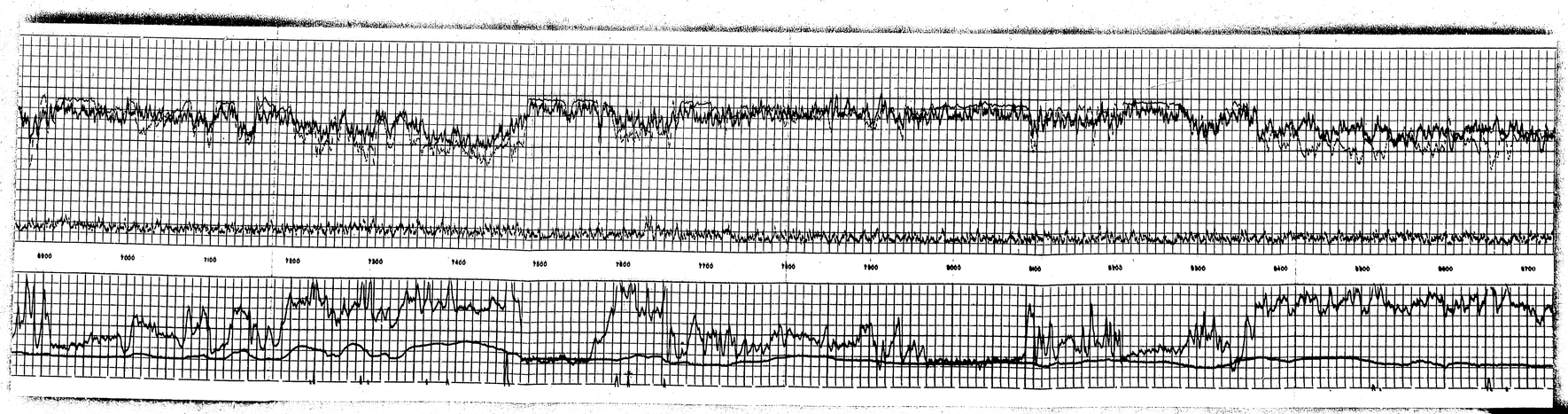

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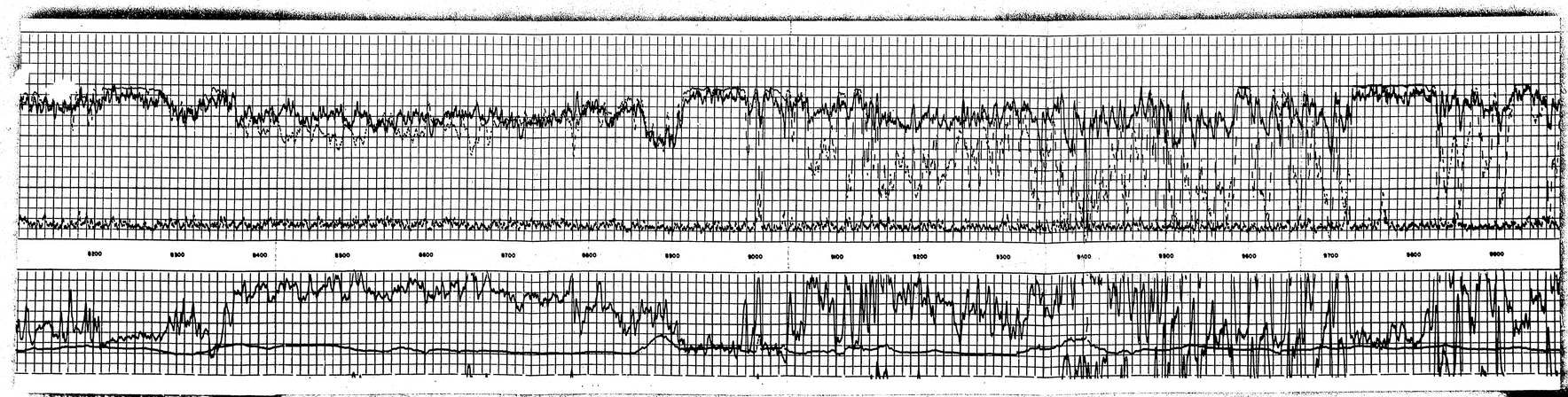

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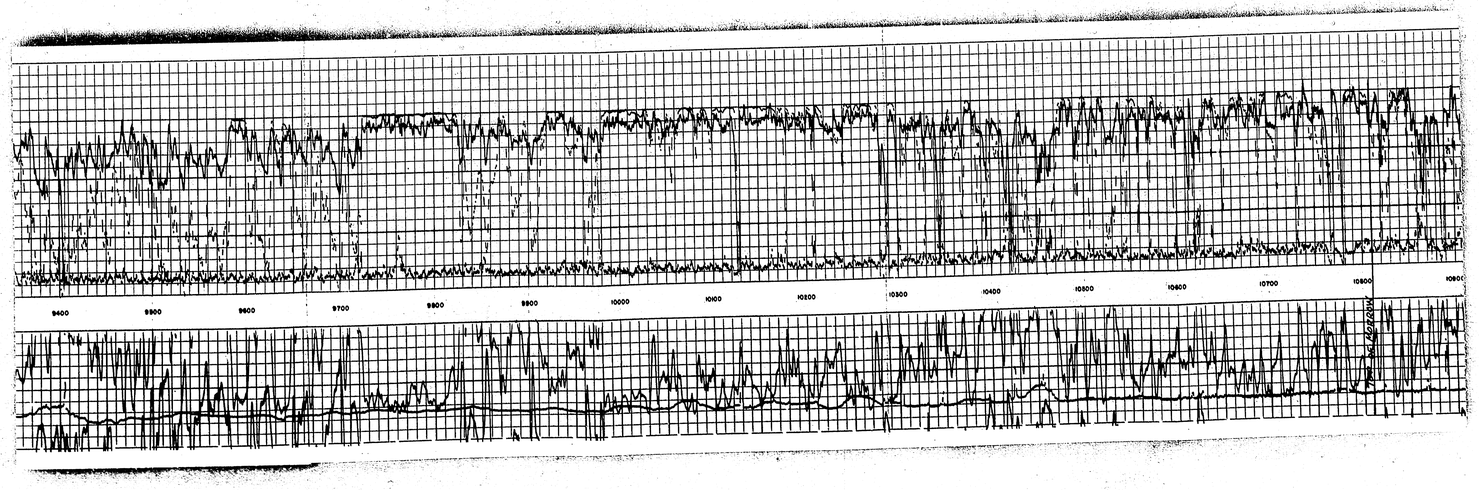

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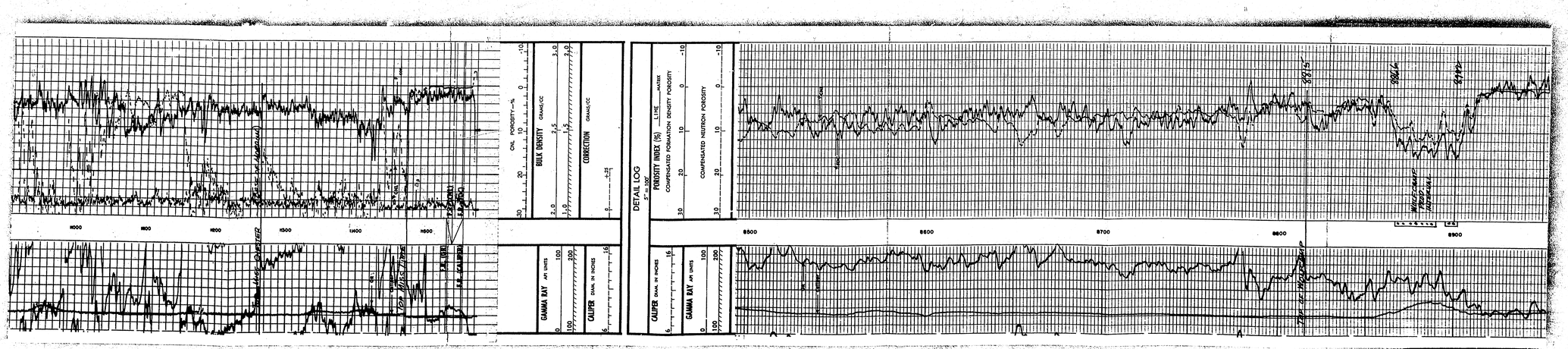

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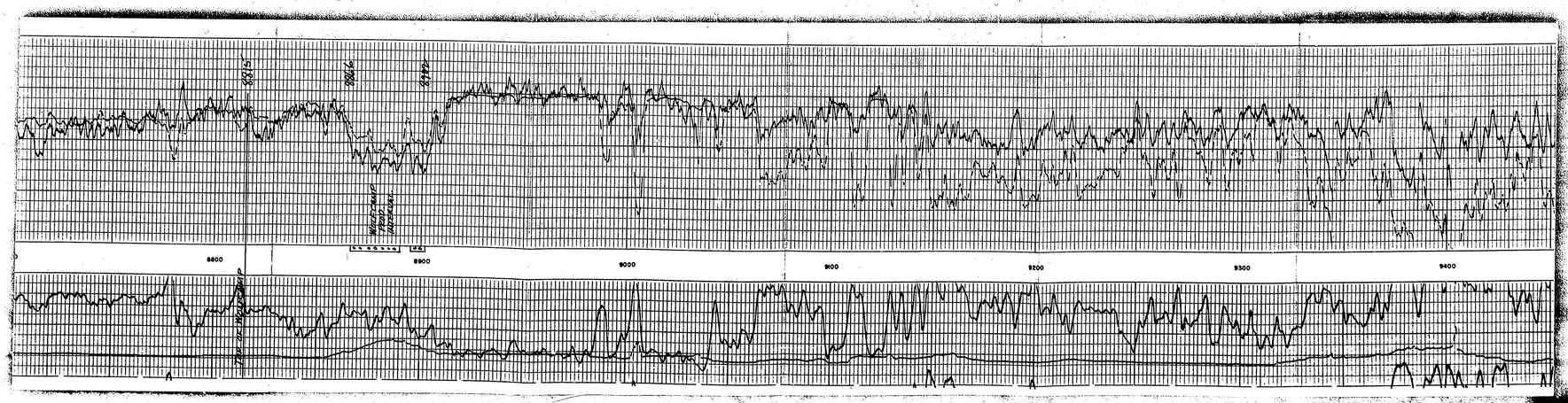

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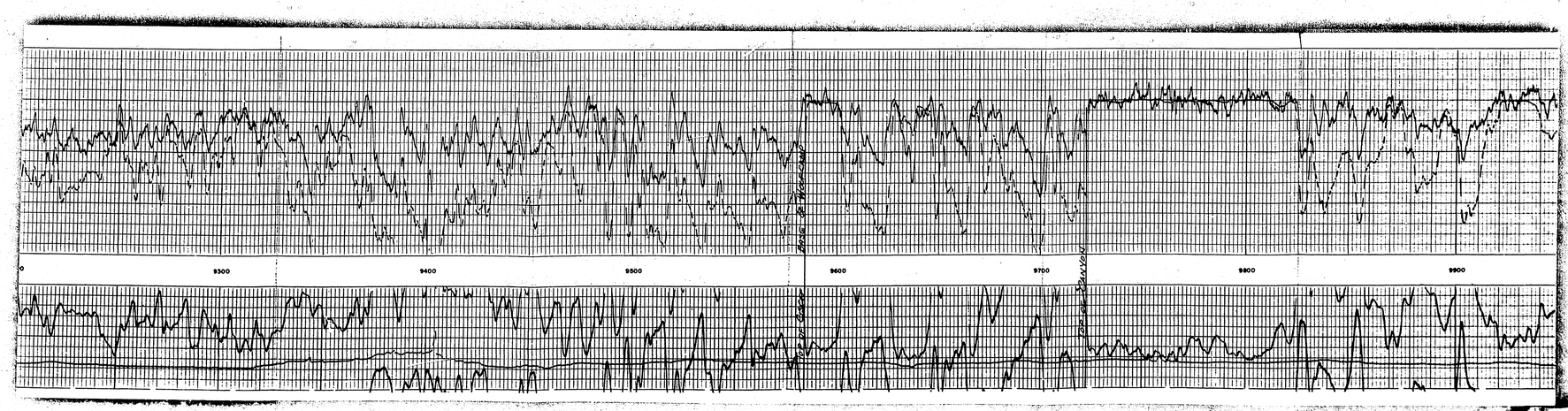

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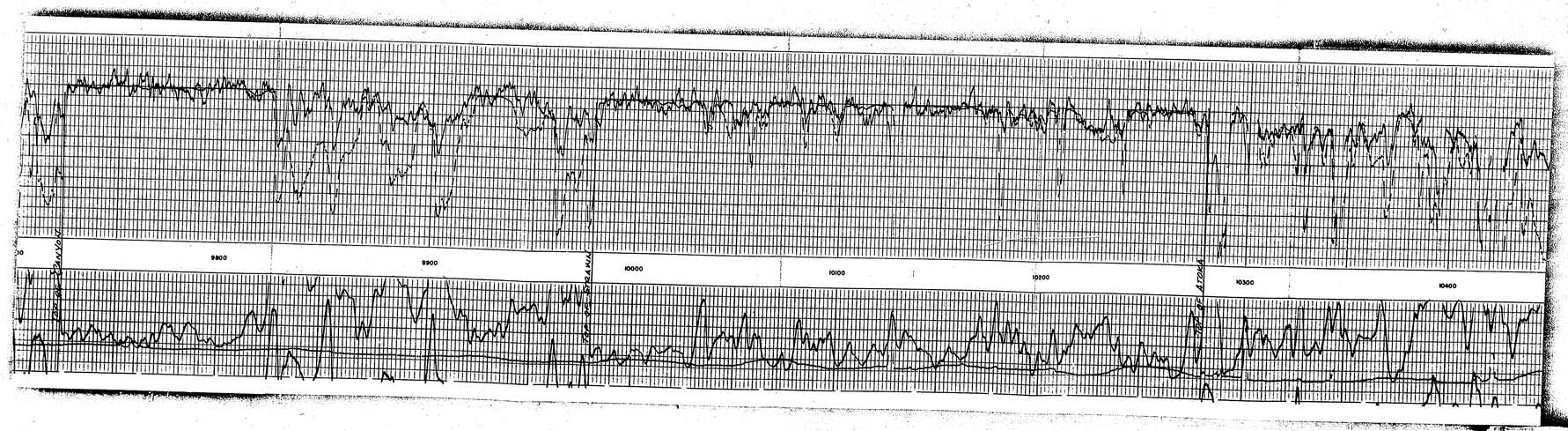

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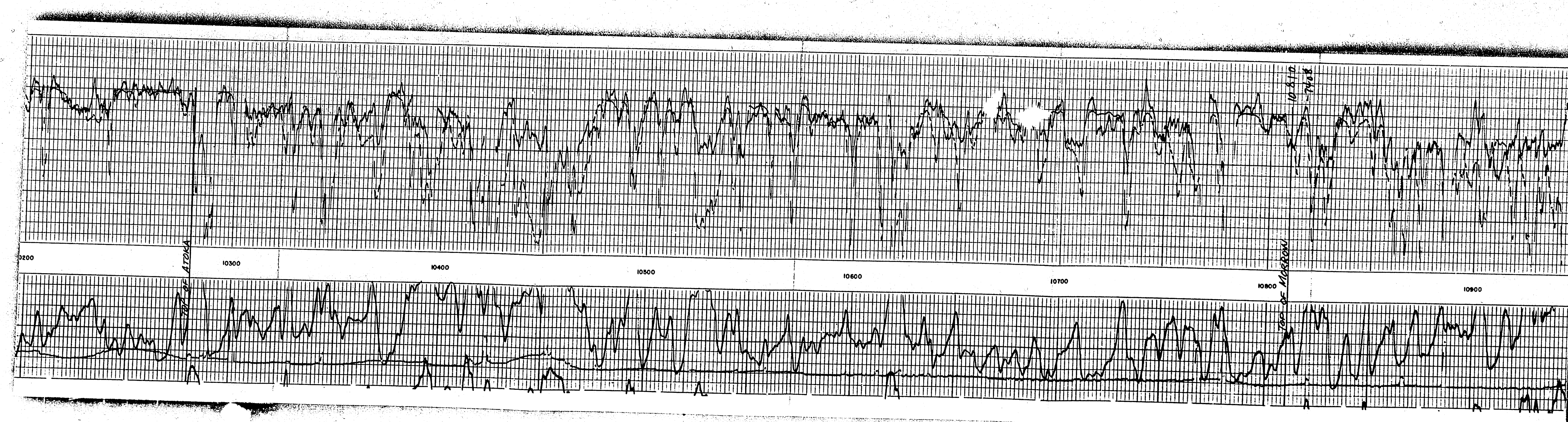

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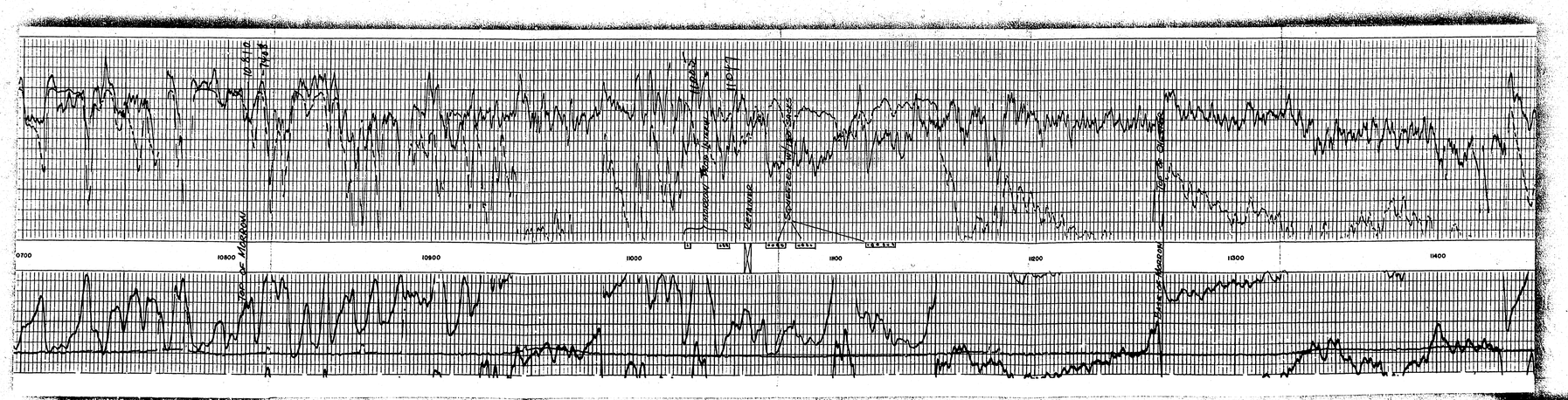

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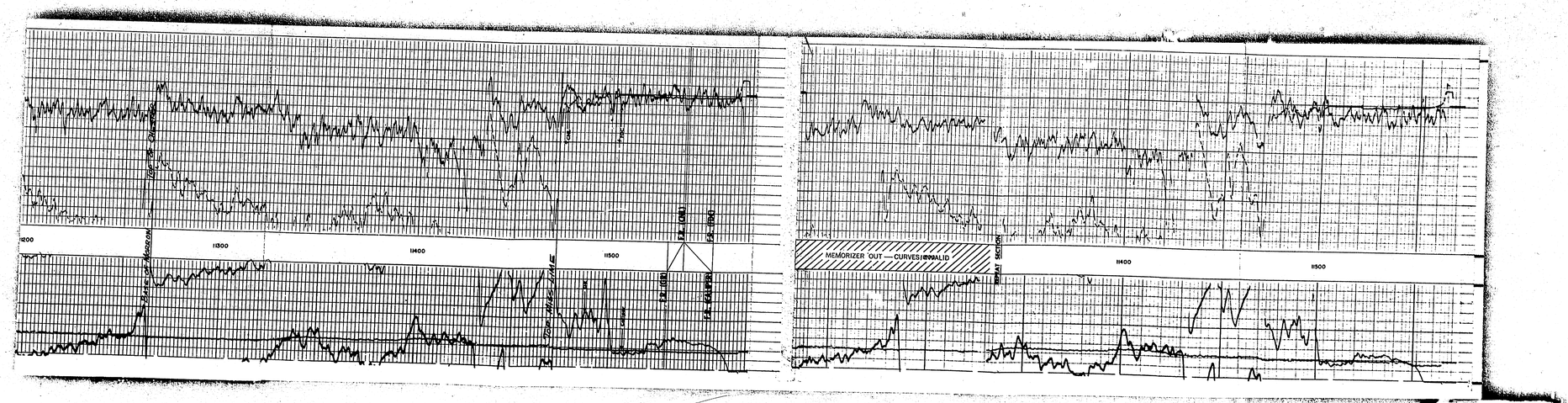

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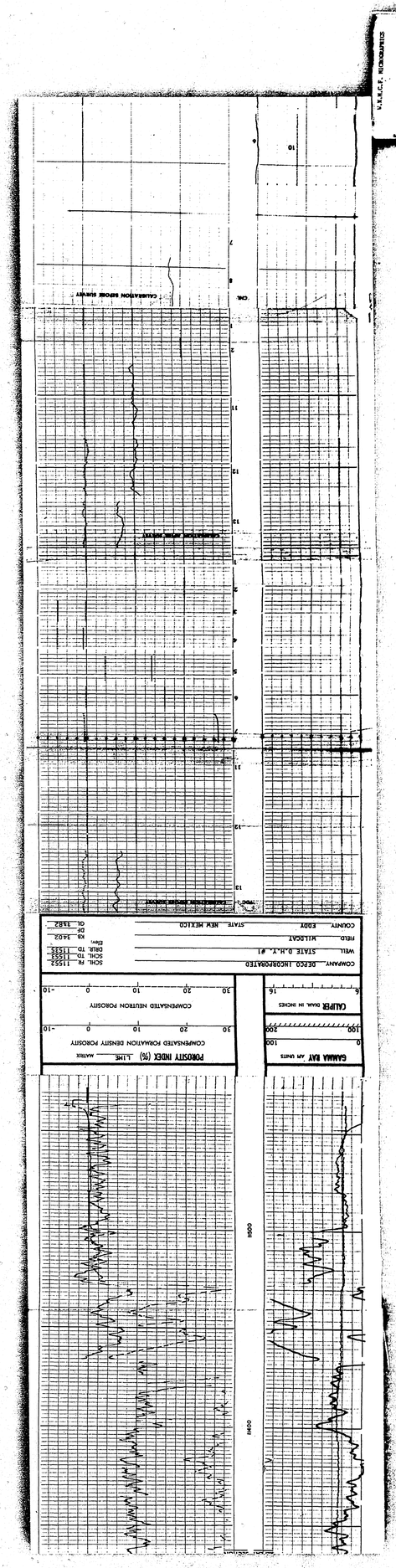
U.N.M.C.F. MICROLOGS
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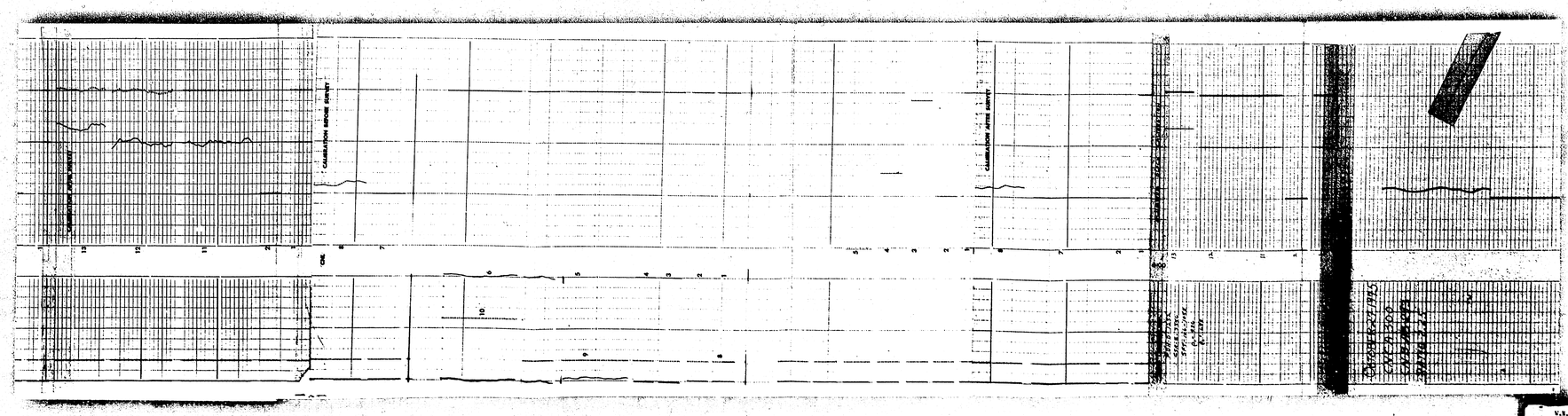
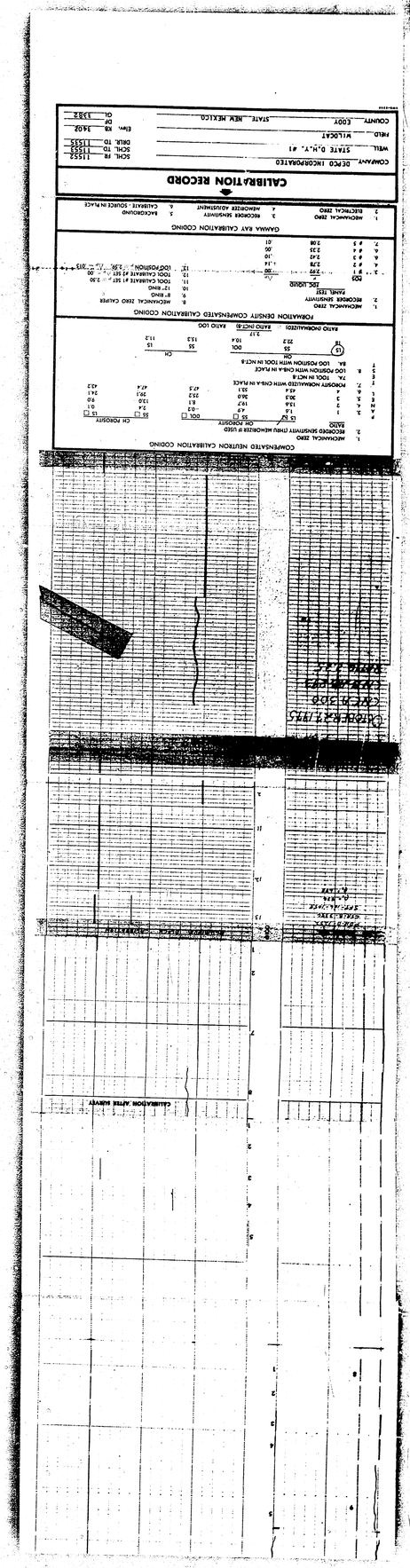
CALIBRATION ABOVE CASING
CALIBRATION BELOW CASING
CALIBRATION BELOW CASING
COMPANY DEPCO INCORPORATED
WELL STATE D.M.Y. #1
FIELD WILDCAT
COUNTY EDDY STATE NEW MEXICO
SCHL. RE 11552
SCHL. TD. 11552
DRLR. TD. 11535
Elev.
KB 3402
DF
GL 3382
GAMMA RAY API UNITS
0 100
100 200
CALIPER DIAM. IN INCHES
6 16
POROSITY INDEX (%) LIME MATRIX
COMPENSATED FORMATION DENSITY POROSITY
30 20 10 0 -10
COMPENSATED NEUTRON POROSITY
30 20 10 0 -10
6000
6000


CALIBRATION ARCHIVE SURVEY
CALIBRATION ARCHIVE SURVEY
CALIBRATION ARCHIVE SURVEY

S.K.M.C.F. MICROGRAPHICS
LOG FORMAT 2000


CALIBRATION RECORD
COMPENSATED NEUTRON CALIBRATION CODING
FORMATION DENSITY COMPENSATED CALIBRATION CODING
GAMMA RAY CALIBRATION CODING
CALIBRATION AFTER SURVEY