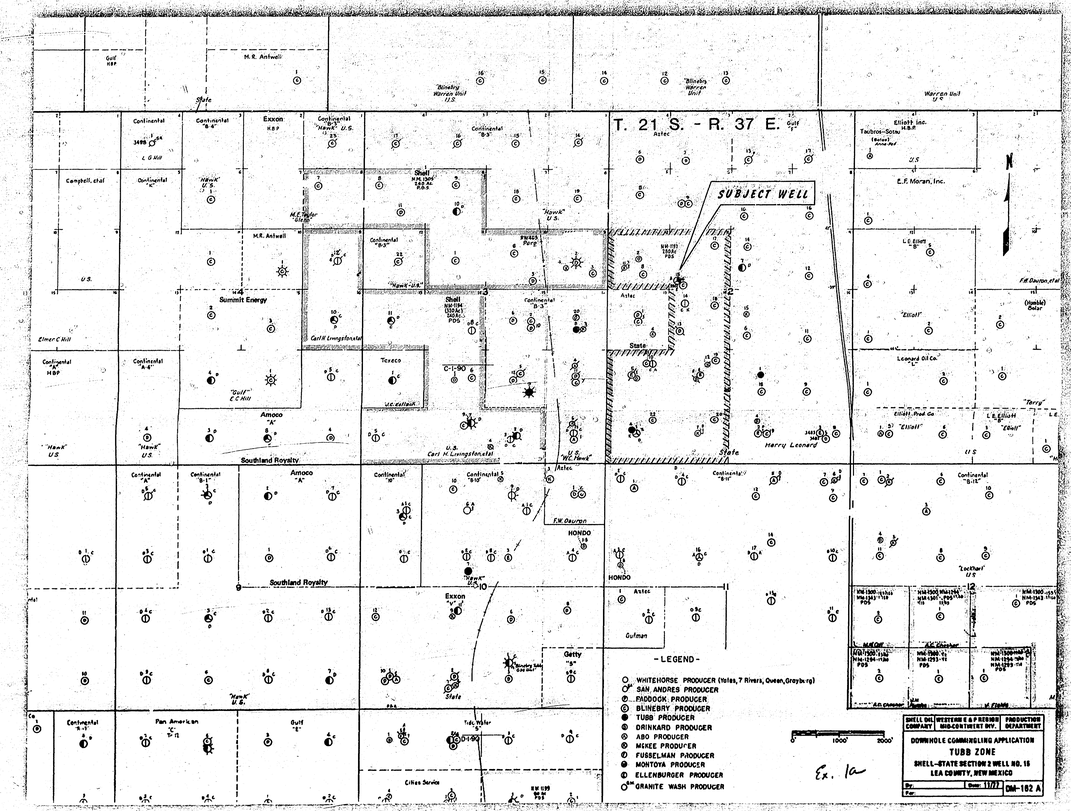
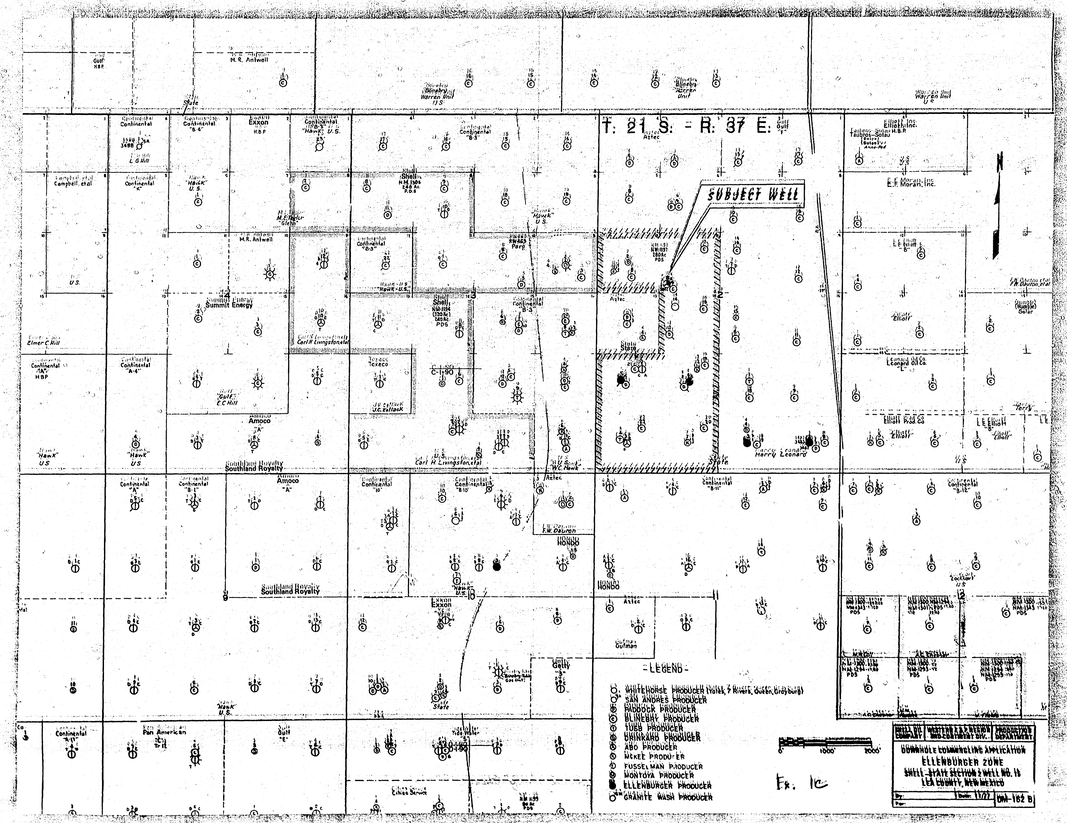
Case No
6165

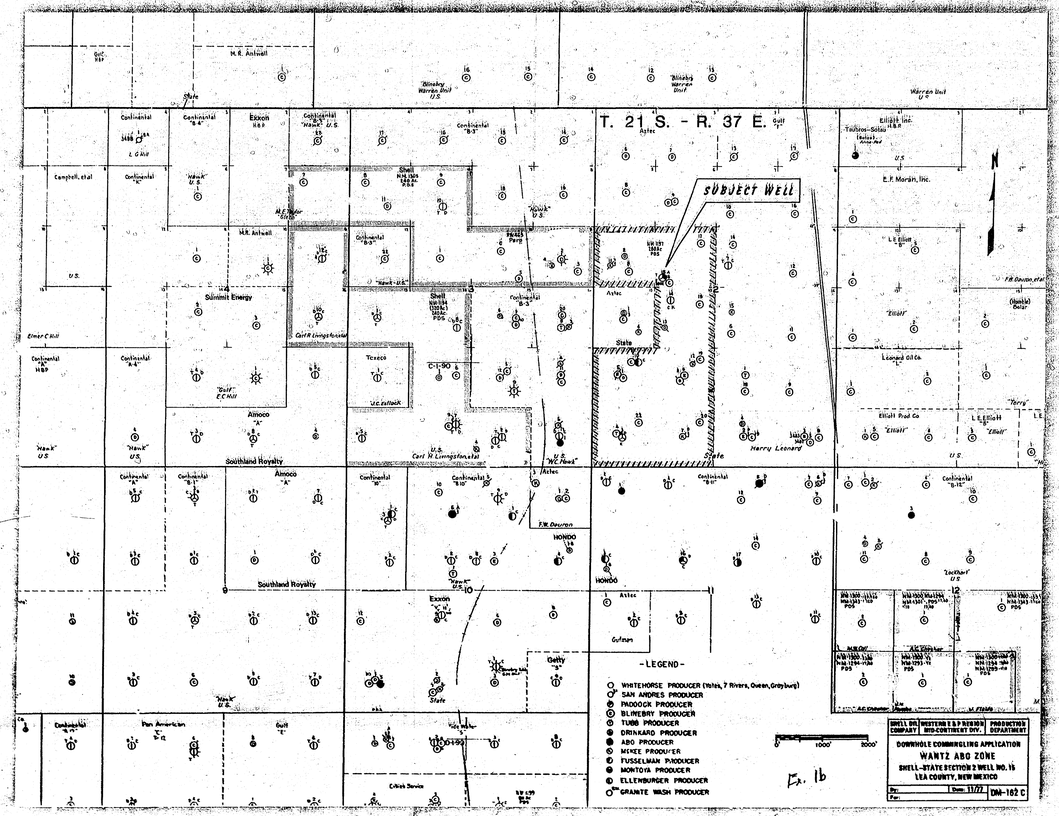
Large Exhibits



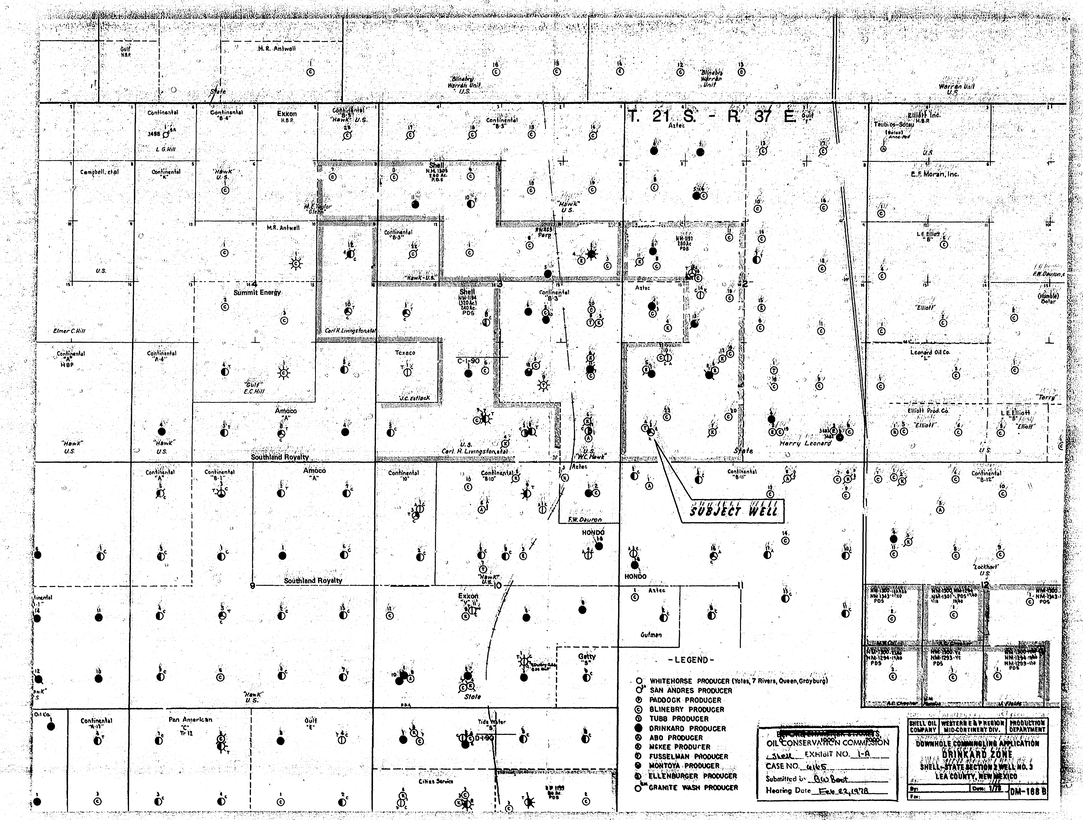

V.E.N.C.P. MICROGRAPHICS
BEST AVAILABLE COPY



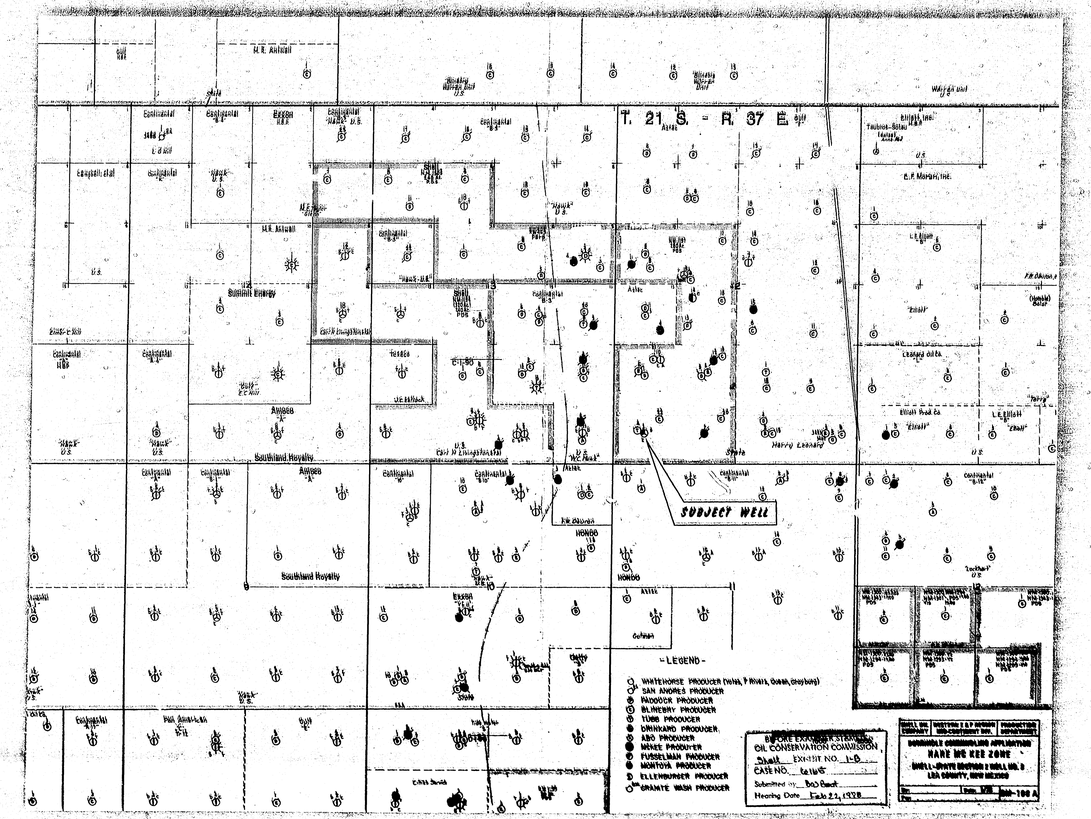

N.M.O.C.D. Hobbs, NM



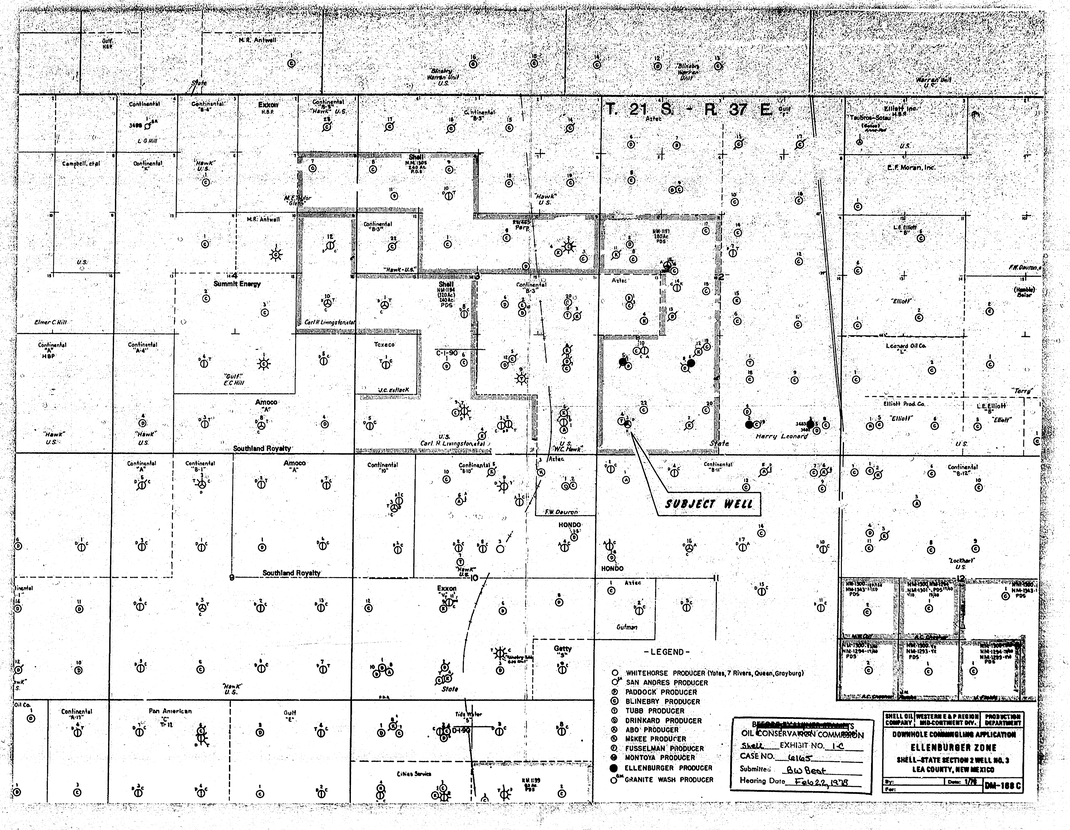

V.U.R.C.P. MICROGRAPHICS
BEST AVAILABLE COPY




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

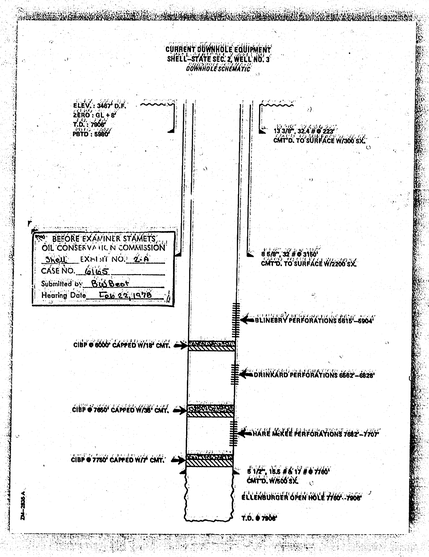



V.E.R.C.F. MICROGRAPHICS



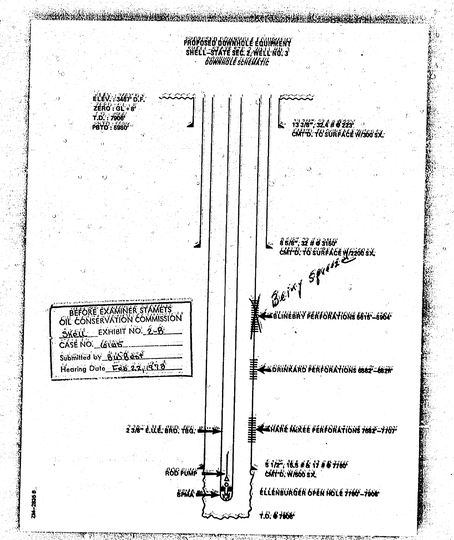

V.R.N.C.F. MICROGRAPHICS
BEST AVAILABLE COPY

CURRENT DOWNHOLE EQUIPMENT
SHELL-STATE SEC. 2, WELL NO. 3
DOWNHOLE SCHEMATIC



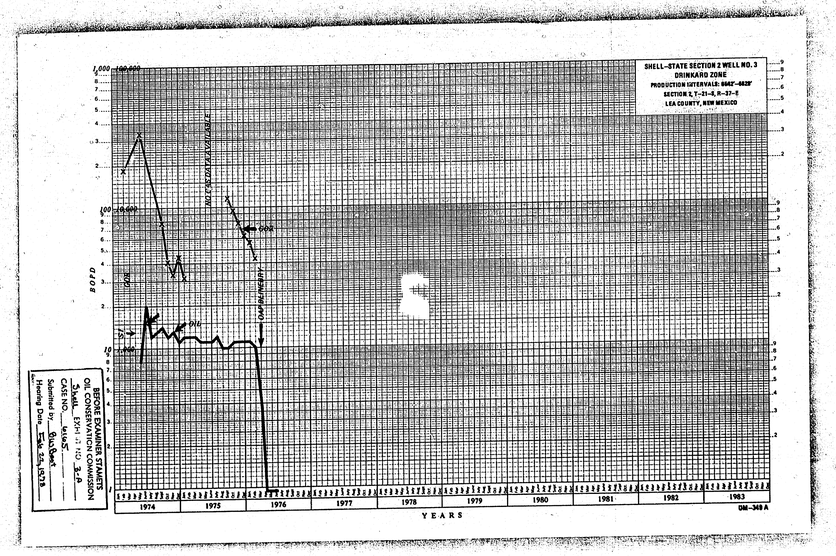

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION
SHELL EXHIBIT NO. 2-A
CASE NO. 6165
Submitted by Shell
Hearing Date Feb 22, 1978

PROPOSED DOWNHOLE EQUIPMENT
SHELL-STATE SEC. 2, WELL NO. 3
DOWNHOLE SCHEMATIC

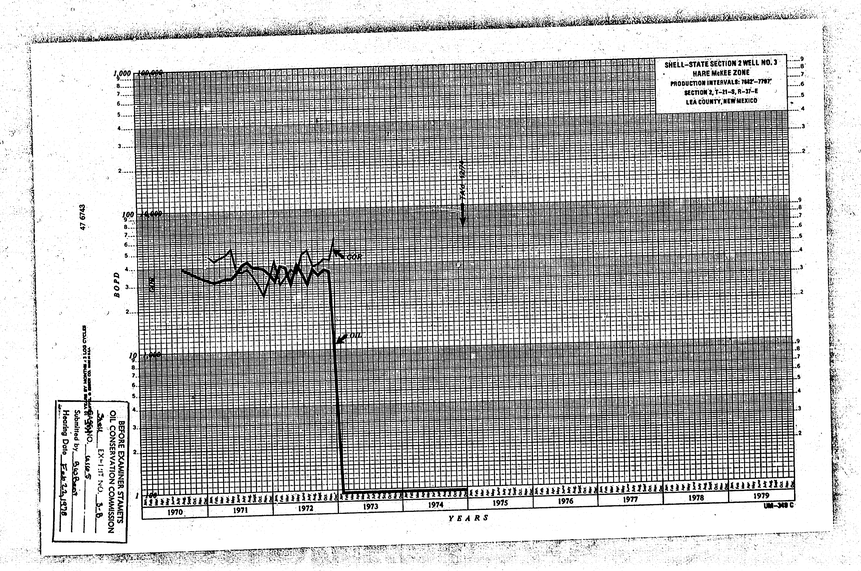


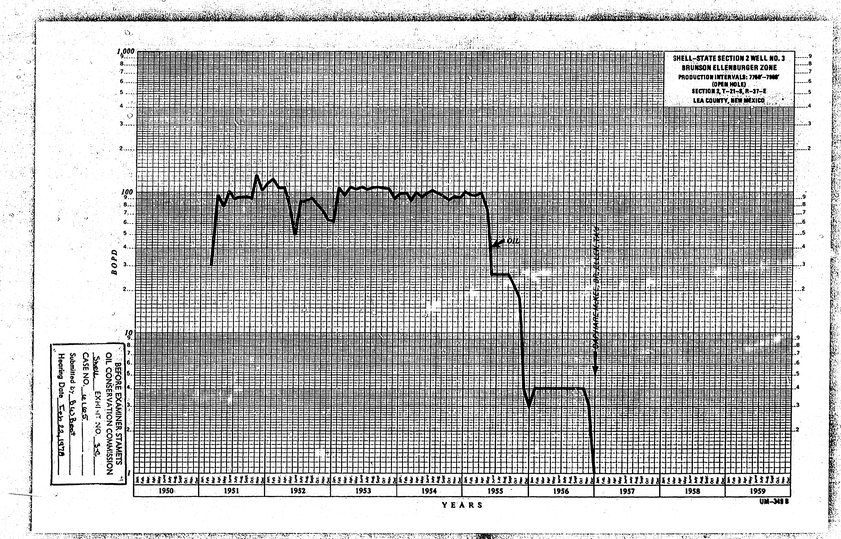

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION
SHELL EXHIBIT NO. 2-B
CASE NO. 6165
Submitted by Shell
Hearing Date Feb 22, 1978

V.R.N.C.P. MICROGRAPHICS
BEST AVAILABLE COPY




U.N.M.C.P. MICROGRAPHICS
NOT AVAILABLE OFF


SHELL-STATE SECTION 2 WELL NO. 3
HARE McKEE ZONE
PRODUCTION INTERVAL: 7647-7787'
SECTION 2, T-11-S, R-37-E
LEA COUNTY, NEW MEXICO
1,000
100
10
1
GAS
OIL
WATER
7,645-7,678'
CUM
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
YEARS
BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION
Case No. 5690
Exhibit No. 5
Submitted by: Shell
Hearing Date: 7-26-78




U.S.B.C.F. MICROGRAPHICS
BEST AVAILABLE COPY

SHELL-STATE SECTION 2 WELL NO. 3
PRODUCTION RATE AND CUMULATIVE
PROPOSED COMMINGLED POOLS

DRINKARD PRODUCTION

| YEAR | | JAN | FEB. | MARCH | APRIL | MAY | JUNE | JULY | AUG. | SEPT. | OCT. | NOV. | DEC. | ANNUAL TOTAL | CUM. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1974 011 | | – | – | – | – | 263 | 594 | 386 | 417 | 408 | 374 | 388 | 351 | 3,187 | 3,187 |
| | Gas | – | – | – | – | 8823 | 892 | – | – | 3197 | 1511 | 1318 | 1546 | 17,282 | 17,282 |
| 1975 011 | | 366 | 340 | 357 | 344 | 350 | 316 | 387 | 308 | 288 | 327 | 333 | 338 | 4,054 | 7,261 |
| | | 1157 | – | – | – | – | – | – | – | 3325 | 3156 | 2578 | 2134 | 12,350 | 29,632 |
| 1976 011 | | 332 | 302 | 134 | – | – | – | – | – | – | – | – | – | 768 | 8,009 |
| | Gas | 1862 | 1311 | 249 | – | – | – | – | – | – | – | – | – | 3,422 | 33,054 |

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION
Shell EXHIBIT NO. 4-A
CASE NO. 6165
Submitted by Bill Beat
Hearing Date Feb 22, 1978

SHELL-STATE SECTION 2 WELL NO. 3
PRODUCTION RATE AND CUMULATIVE
PROPOSED COMMINGLED POOLS

WARE MCKEE PRODUCTION

| YEAR | | JAN | FEB. | MARCH | APRIL | MAY | JUNE | JULY | AUG. | SEPT. | OCT. | NOV. | DEC. | ANNUAL TOTAL | CUM. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1969 011 | | 988 | 799 | 990 | 878 | 913 | 949 | 917 | 888 | 818 | 934 | 899 | 862 | 10,825 | 156,075 |
| | Gas | 1832 | 1301 | 1917 | 1774 | 2095 | 1790 | 2795 | 1935 | 1762 | 2264 | 1866 | 1626 | 21,957 | 166,995 |
| 1970 011 | | 948 | 870 | 956 | 947 | 905 | 848 | 920 | 902 | 949 | 924 | 860 | 891 | 10,920 | |
| | Gas | 1585 | 1643 | 1867 | 1919 | 3978 | 3806 | 3993 | 4700 | 4831 | 3637 | 3799 | 3691 | 39,449 | 166,995 |
| 1971 011 | | 999 | 874 | 959 | 1001 | 980 | 1066 | 1210 | 1291 | 1181 | 1182 | 1020 | 1058 | 12,880 | |
| | Gas | 4711 | 3912 | 4452 | 4826 | 5201 | 3803 | 4457 | 4920 | 4090 | 3511 | 2831 | 3397 | 50,201 | 179,875 |
| 1972 011 | | 937 | 1118 | 1169 | 870 | 1237 | 1042 | 880 | 1139 | 1016 | 1116 | 1066 | 644 | 12,054 | |
| | Gas | 4183 | 3305 | 3872 | 3279 | 4428 | 5057 | 4426 | 4693 | 4137 | 4038 | 4587 | 2698 | 49,403 | 191,929 |
| 1973 011 | | 17 | – | – | – | – | – | – | – | – | – | – | – | 17 | |
| | Gas | 128 | – | – | – | – | – | – | – | – | – | – | – | 128 | 191,946 |

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION
Shell EXHIBIT NO. 4-B
CASE NO. 6165
Submitted by Bill Beat
Hearing Date Feb 22, 1978

SHELL-STATE SECTION 2 WELL NO. 3
PRODUCTION RATE AND CUMULATIVE
PROPOSED COMMINGLED POOLS

BRUNSON BLLENBURGER PRODUCTION

| YEAR | JAN | FEB. | MARCH | APRIL | MAY | JUNE | JULY | AUG. | SEPT. | OCT. | NOV. | DEC. | ANNUAL TOTAL | CUM. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1951 011 | 3124 | 3378 | 3821 | 3777 | 3802 | 3565 | 3939 | 3737 | 3694 | 3910 | 3475 | 3688 | 43,920 | 55,818 |
| 1952 011 | 3707 | 3589 | 3845 | 3720 | 1737 | 3224 | 3122 | 3150 | 3183 | 3252 | 3093 | 3246 | 38,868 | 94,686 |
| 1953 011 | 3229 | 2944 | 3272 | 3190 | 3271 | 3131 | 3254 | 3279 | 3174 | 3194 | 2714 | 2955 | 37,607 | 132,293 |
| 1954 011 | 2906 | 2645 | 2952 | 2810 | 2871 | 3061 | 2953 | 2825 | 2670 | 2815 | 2765 | 2945 | 34,218 | 166,511 |
| 1955 011 | 2973 | 2614 | 2966 | 2428 | 775 | 750 | 778 | 770 | 661 | 540 | 111 | 79 | 15,445 | 181,956 |
| 1956 011 | 120 | 116 | 126 | 117 | 124 | 120 | 117 | 124 | 120 | 108 | 87 | 36 | 1,315 | 183,271 |

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION
Shell EXHIBIT NO. 4-C
CASE NO. 6165
Submitted by Bill Beat
Hearing Date Feb 22, 1978

U.S.G.S. MICROGRAPHICS

Reproduced By
**West Texas Electrical Log Service**
Dallas 2, Texas

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION
Exhibit NO. 5
CASE NO. 5616
Submitted by: Atlas Rpts.
Hearing Date: Feb 22, 1978

REFERENCE Nº A 5951 -E

PERFORATING GUNS ATLAS CORP.

**NEUTRON BOMBARDMENT LOG**

| | |
|---|---|
| LOCATION | |
| SEC 2 | |
| TWP 23 | |
| RGE 27 | |
| | SHELL OIL COMPANY |
| | STATE (SECTION 2) # 3 |
| | EDDY |
| | NEW MEXICO |
| | TOP OF K.O.B. 3460 |
| | DERR 3460 |
| | GROUND LEVEL 3436 |

| | | |
|---|---|---|
| | CASING REC. | TUBING RECORD |
| | 8 5/8 | 2 1/8 |
| | 17-18 | 10-60 |
| | TA | RA 125 |

CASING RECORD — OPEN HOLE RECORD

REMARKS AND OTHER DATA

## COMPLETION RECORD

SPUD DATE

COMP DATE

DST RECORD

CASING RECORD

PERFORATING RECORD

ACID, FRAC SHOT

I P

GOR GR

T P C P

REMARKS:

CASING RECORD

PERFORATING RECORD

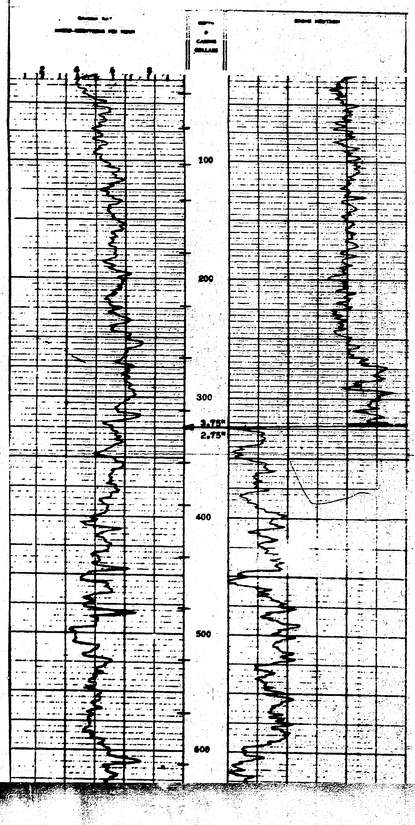
ACID. FRAC SHOT

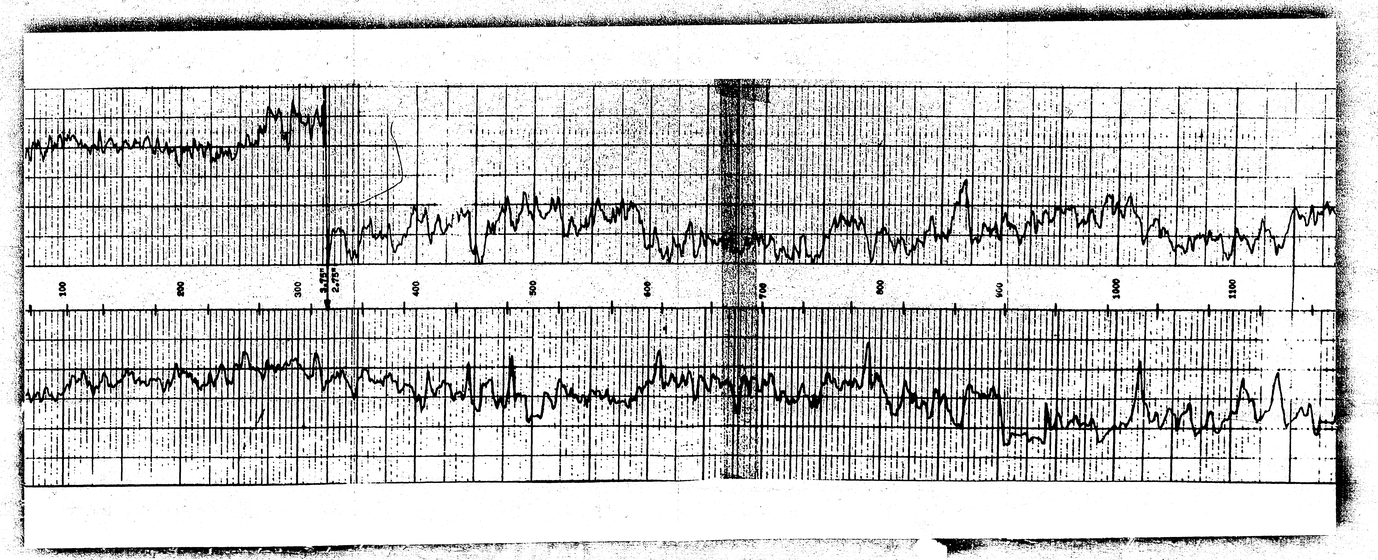
I.P

GOR GR

T.P C.P

REMARKS:






U.S.N.C.T. MICROGRAPHICS
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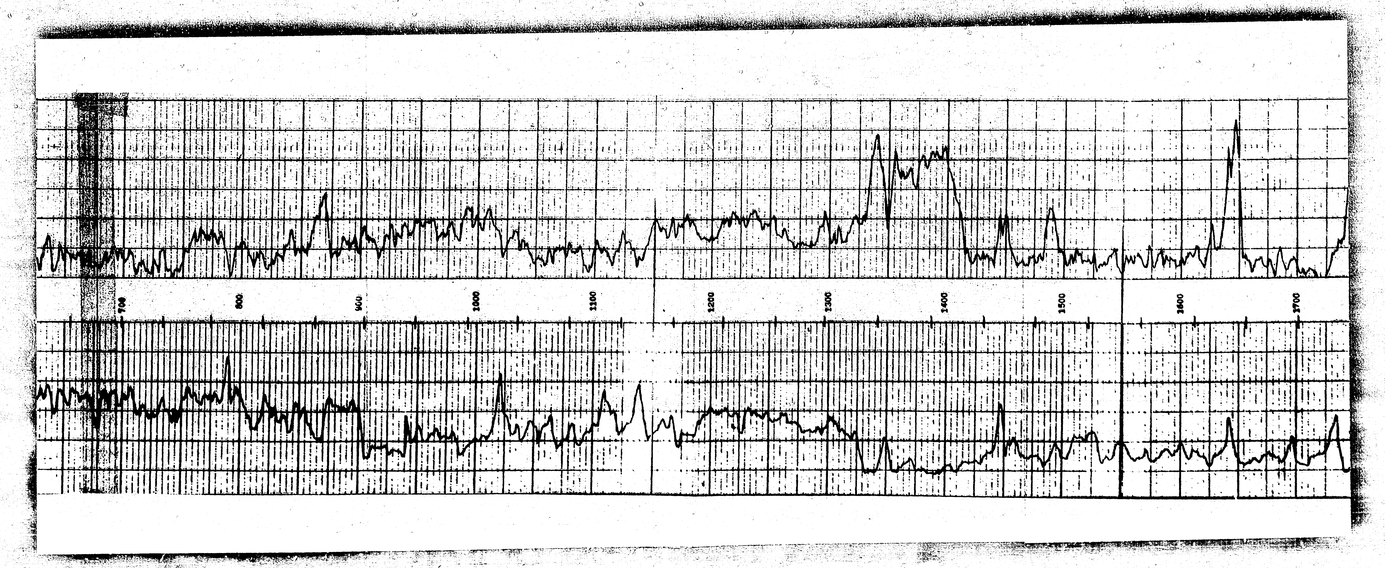


V.V.R.C.F. MICROGRAPHICS
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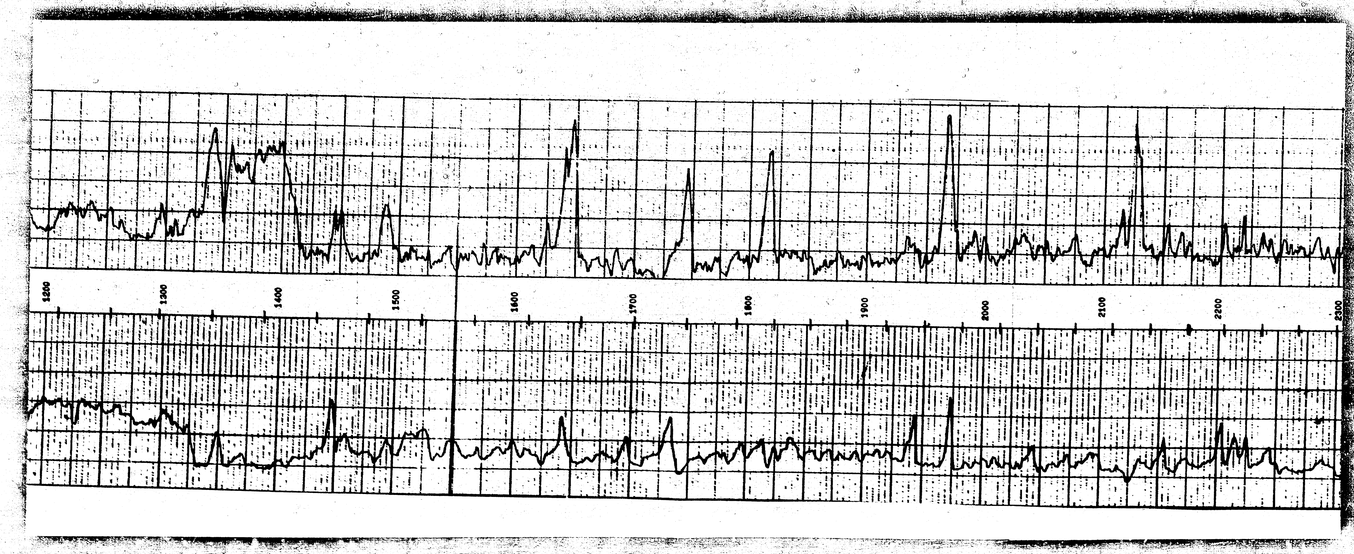
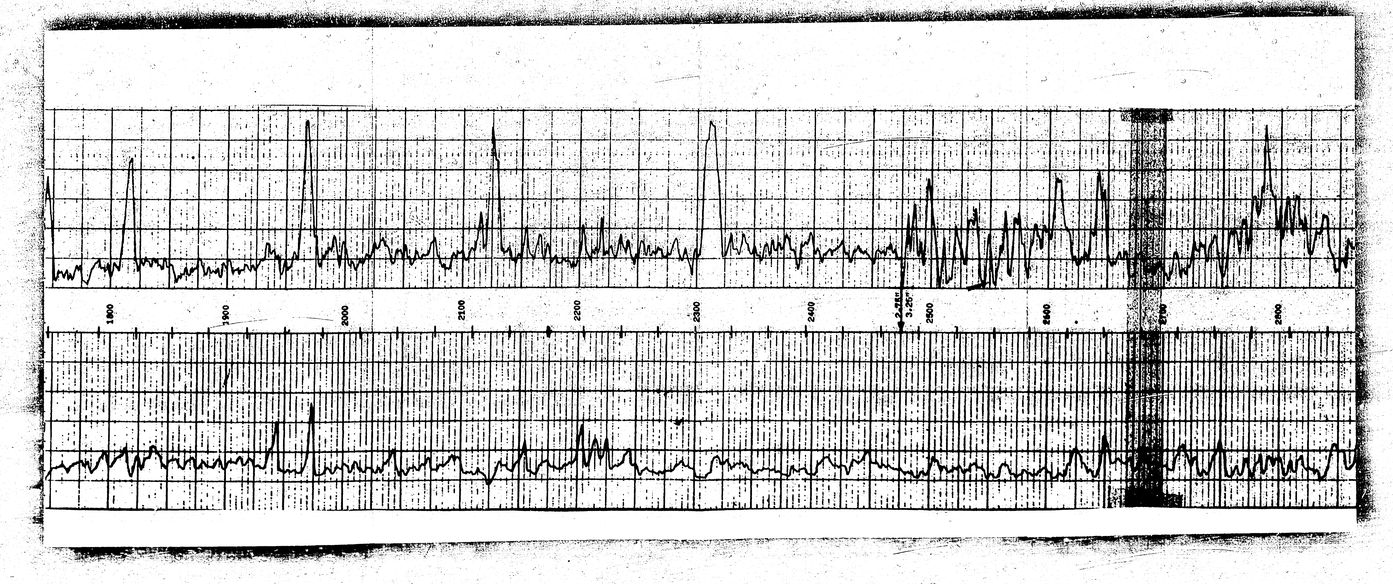
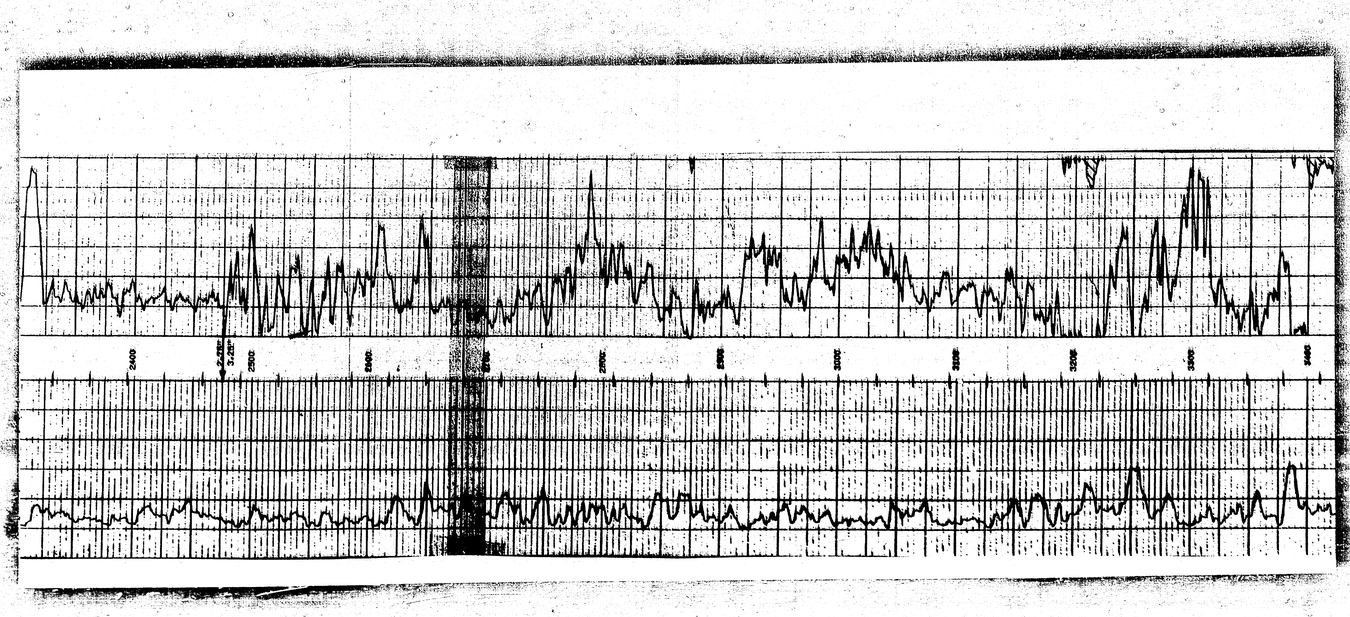
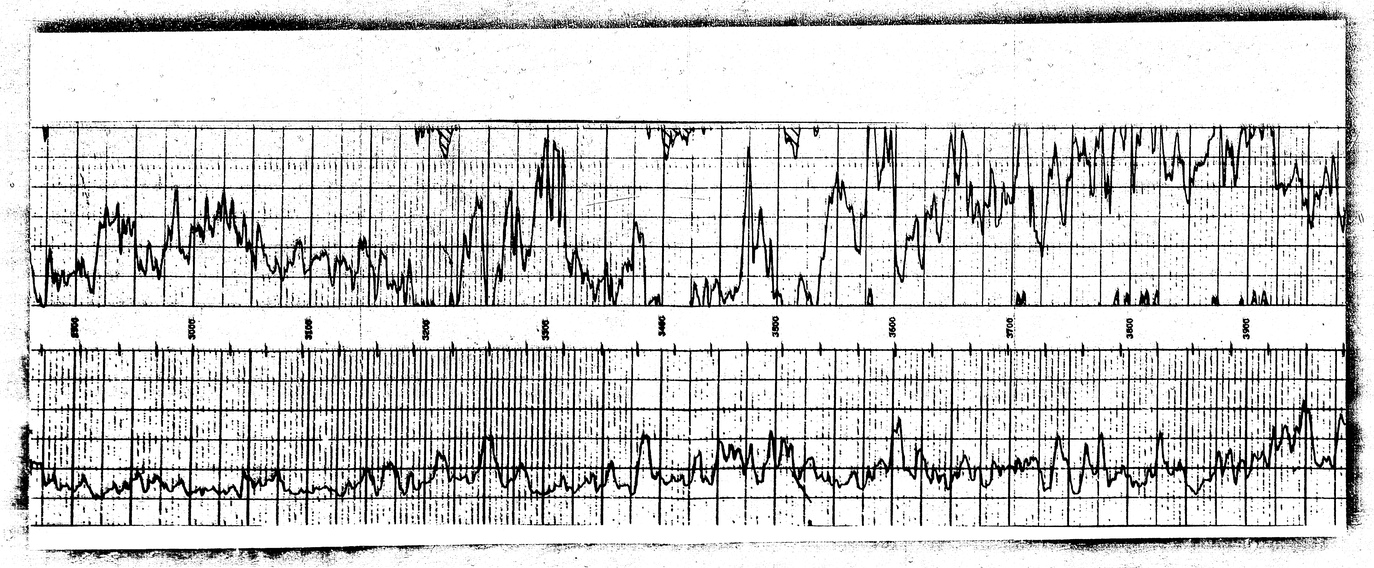
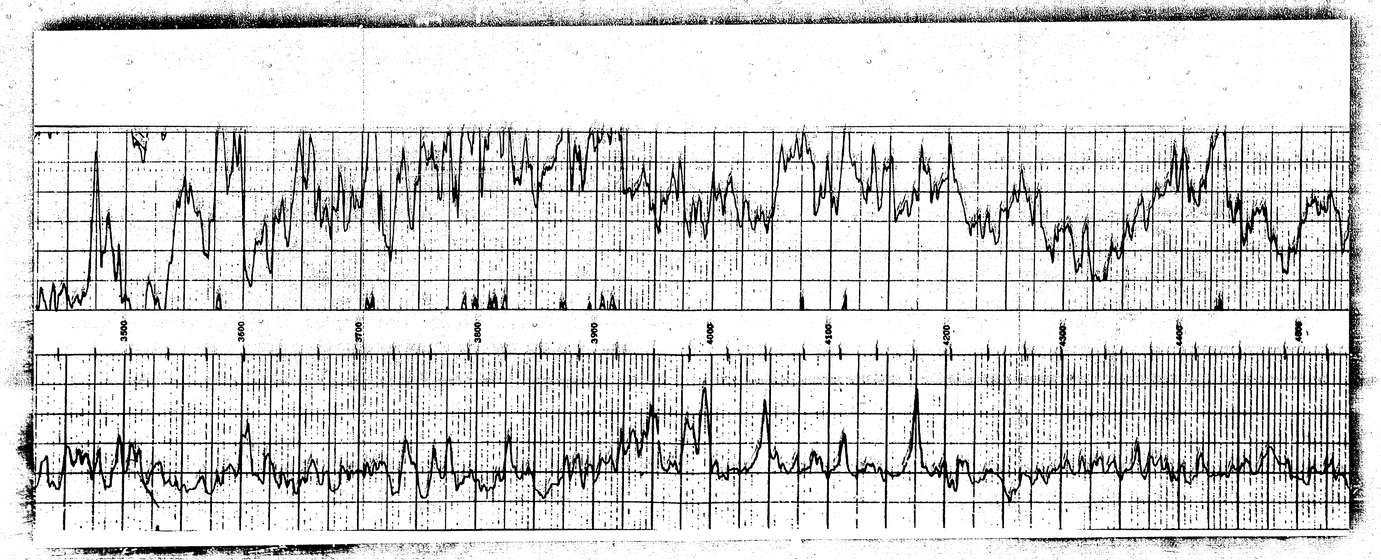

1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300


1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800

V.E.B.C.F. SEISMOGRAPHICS


2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400


3000
3100
3200
3300
3400
3500
3600
3700
3800
3900

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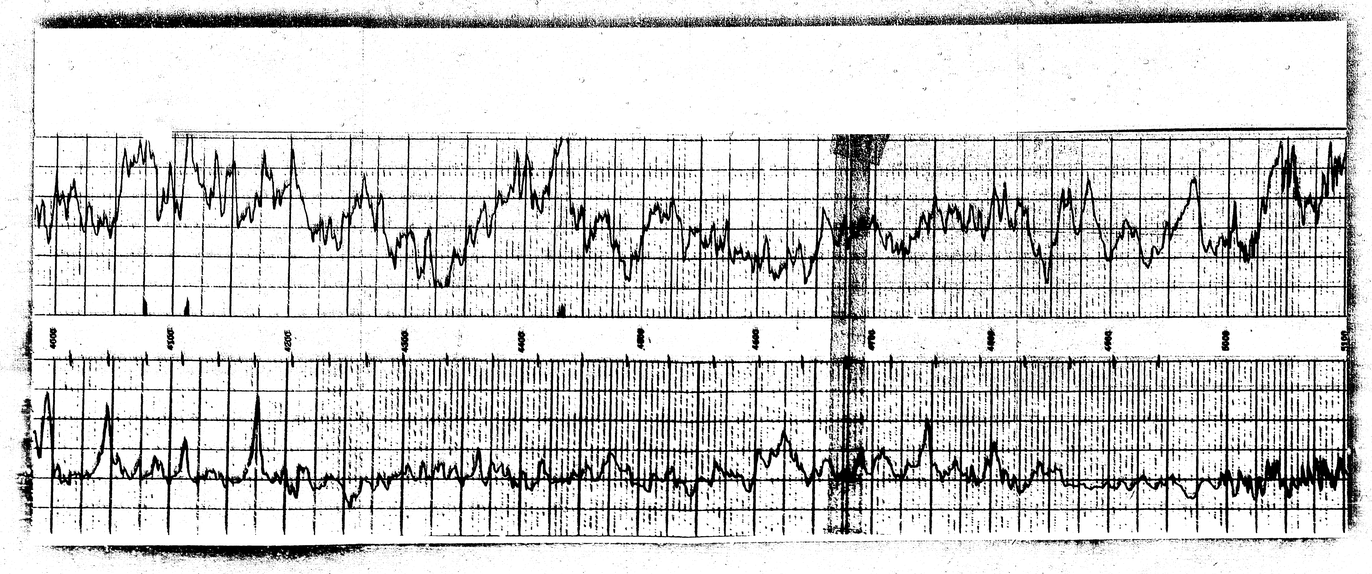
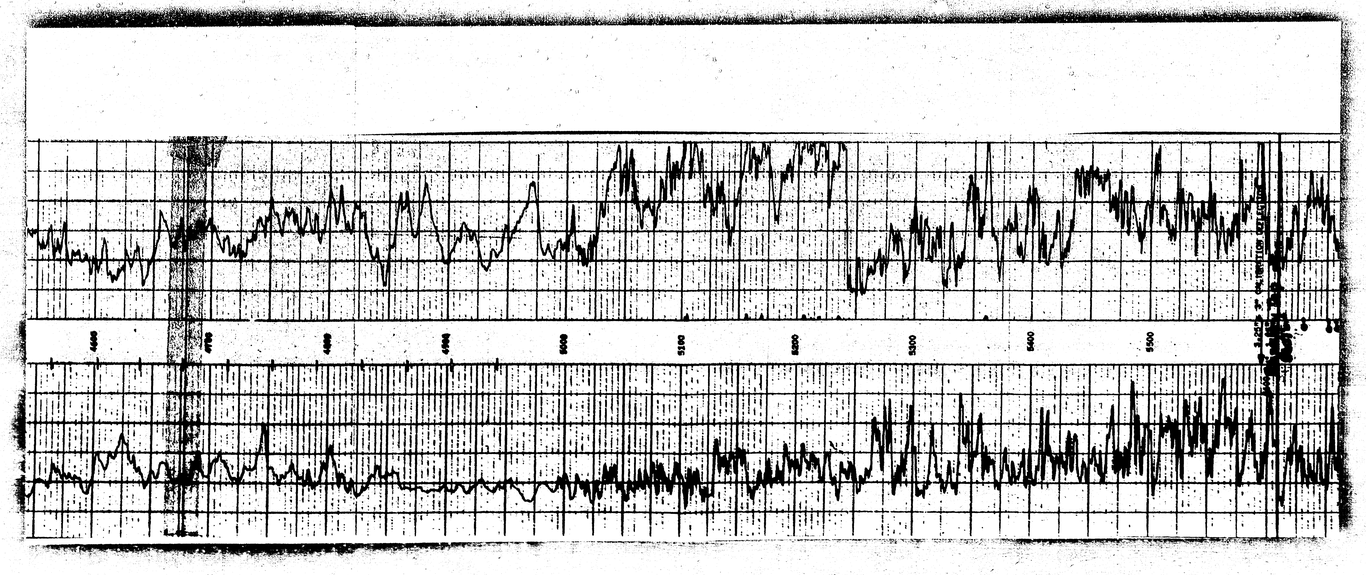
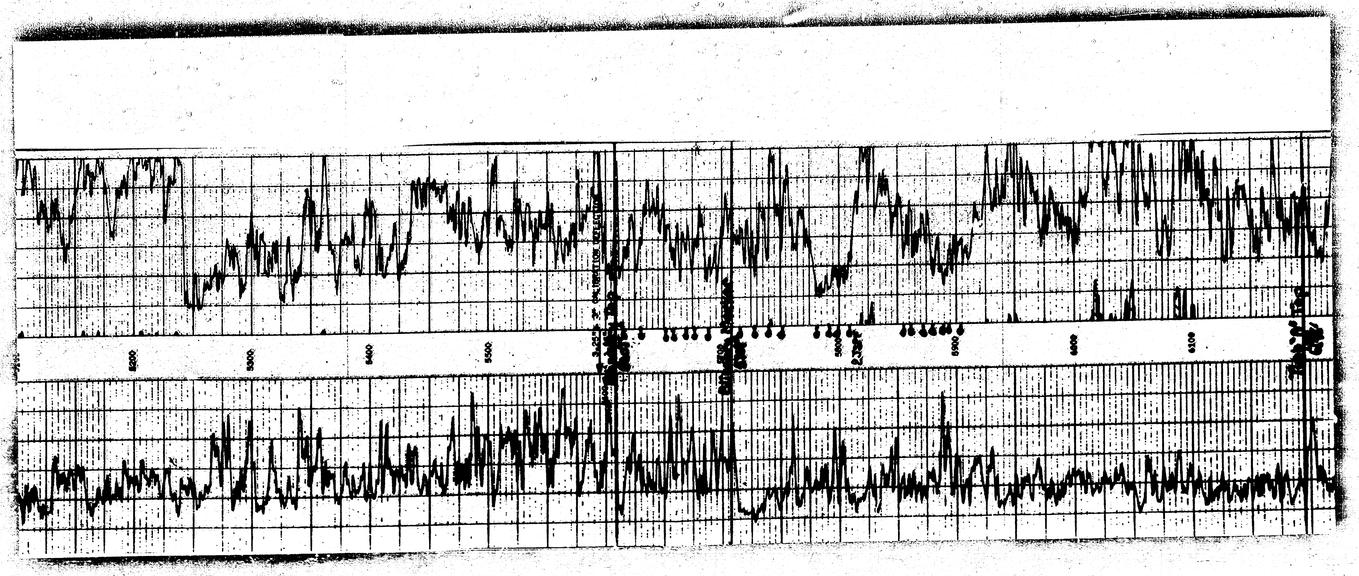





U.S.B.C.P. MICROGRAPHICS




V.N.R.C.F. MICROGRAPHICS
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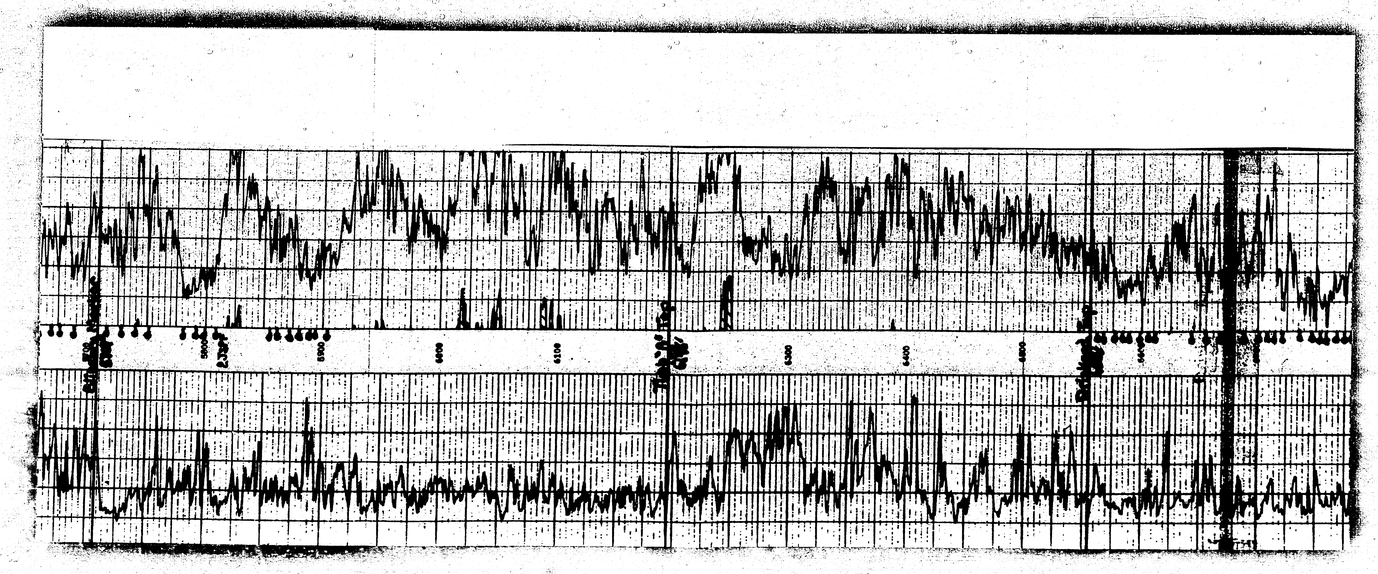

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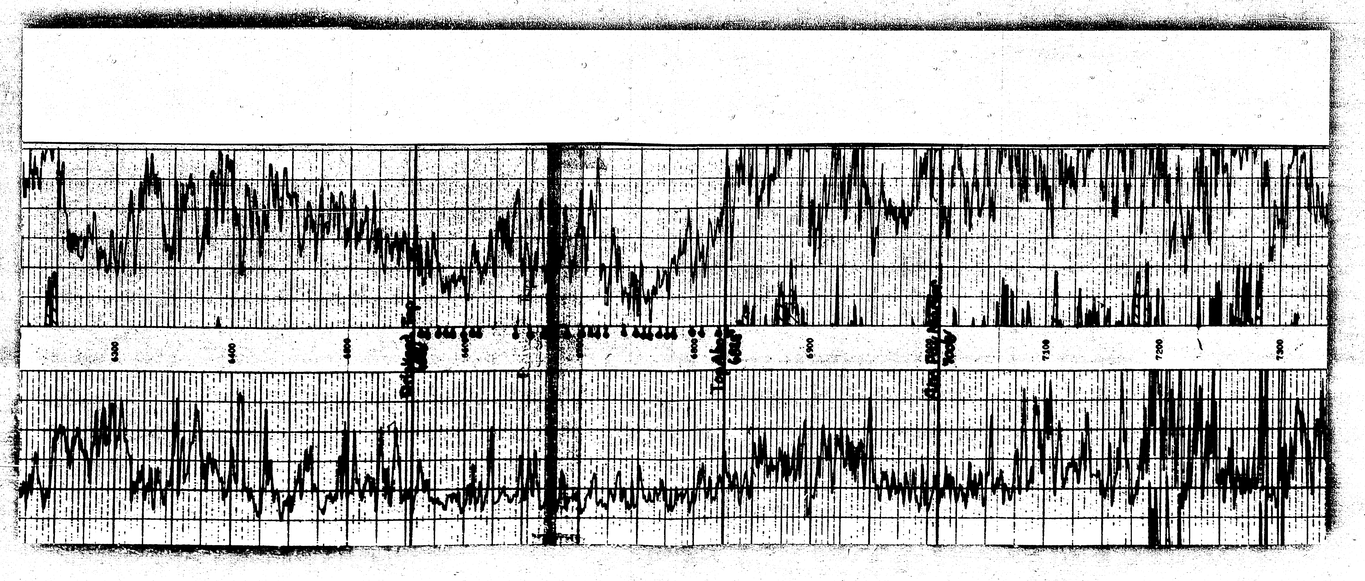


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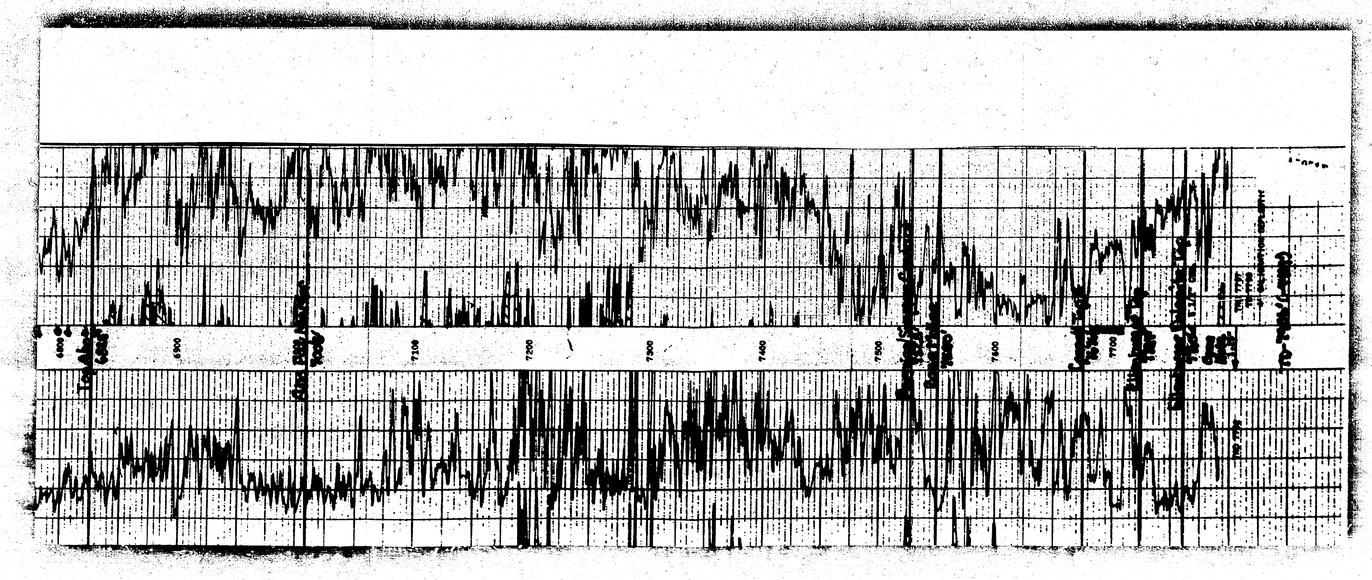


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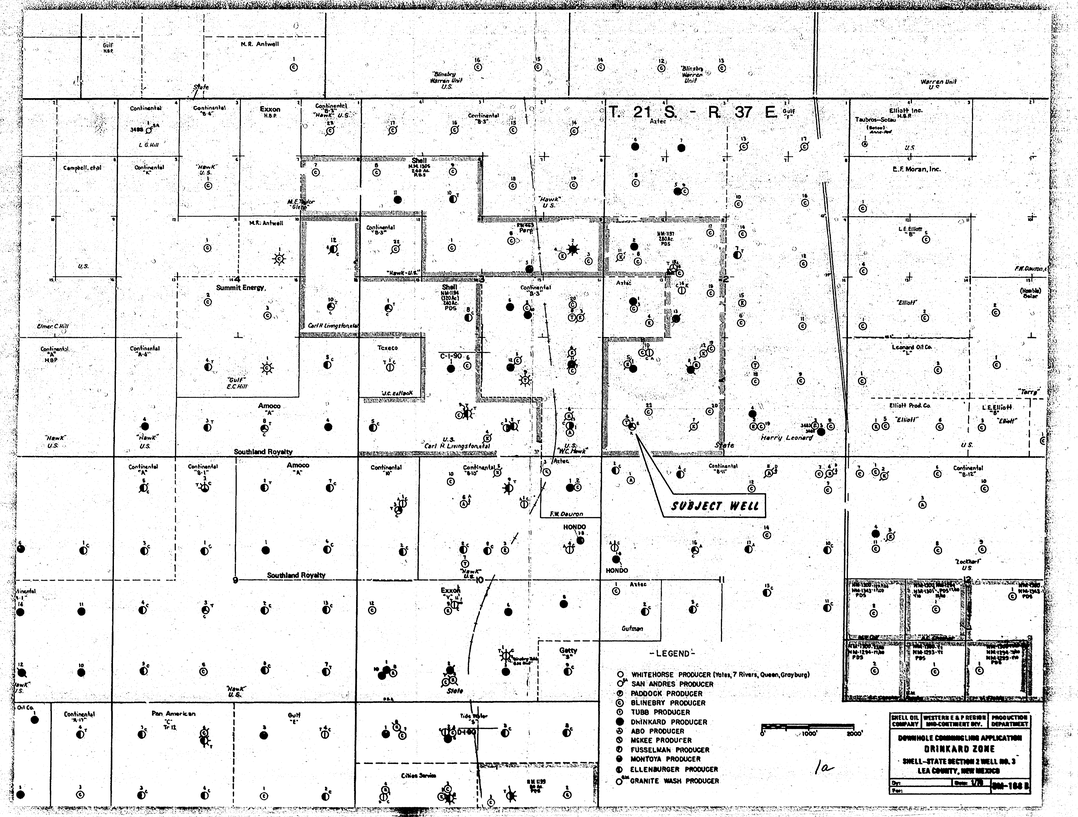


1a

V.S.N.C.F. MICROGRAPHICS
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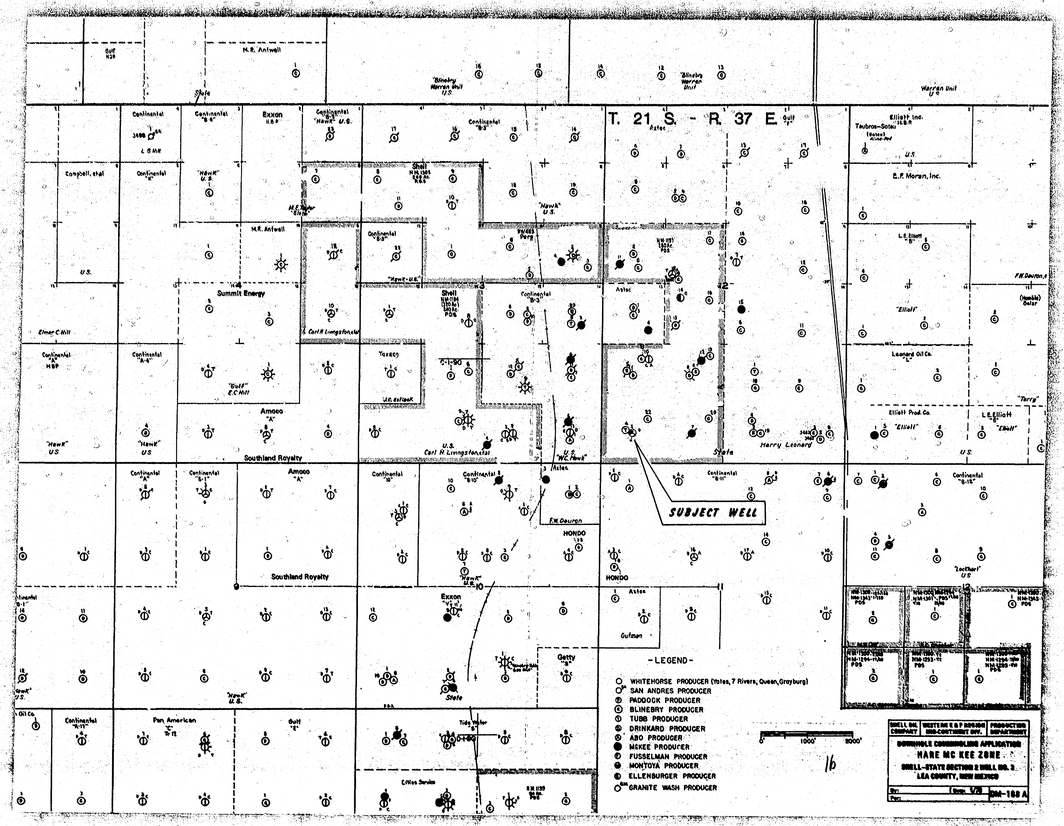


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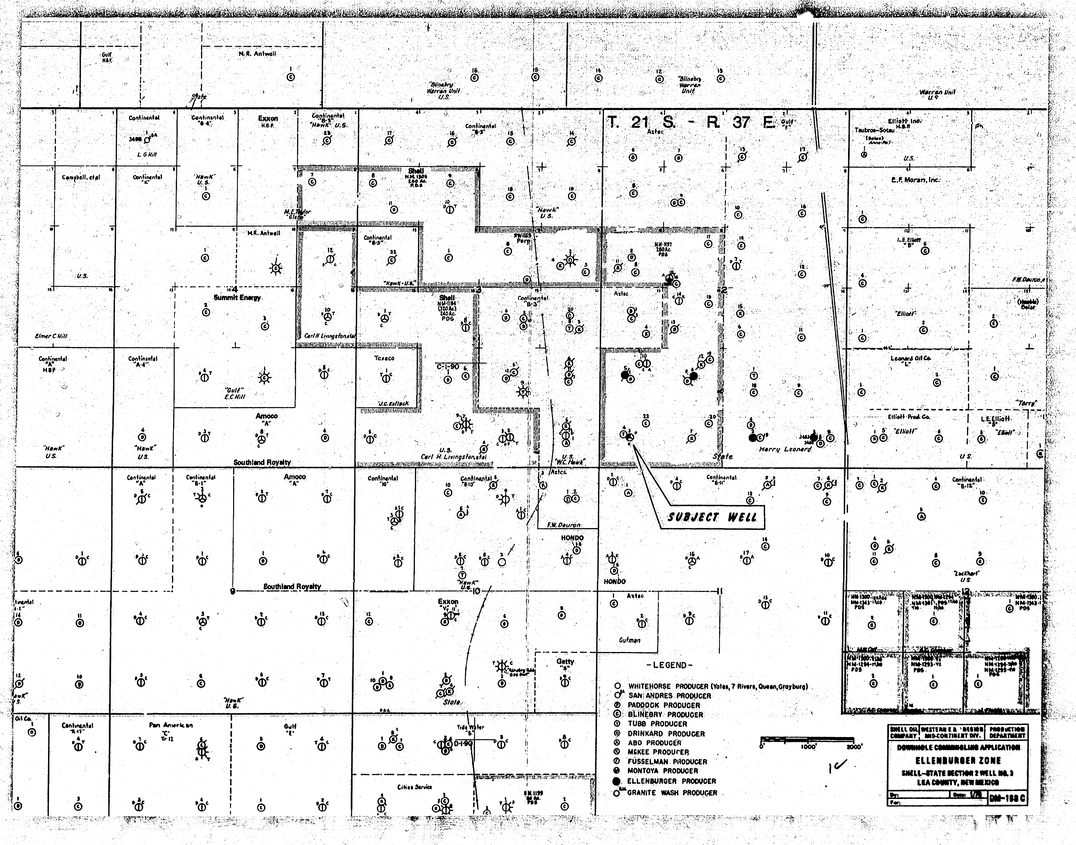


U.S.M.C.F. MICROGRAPHICS
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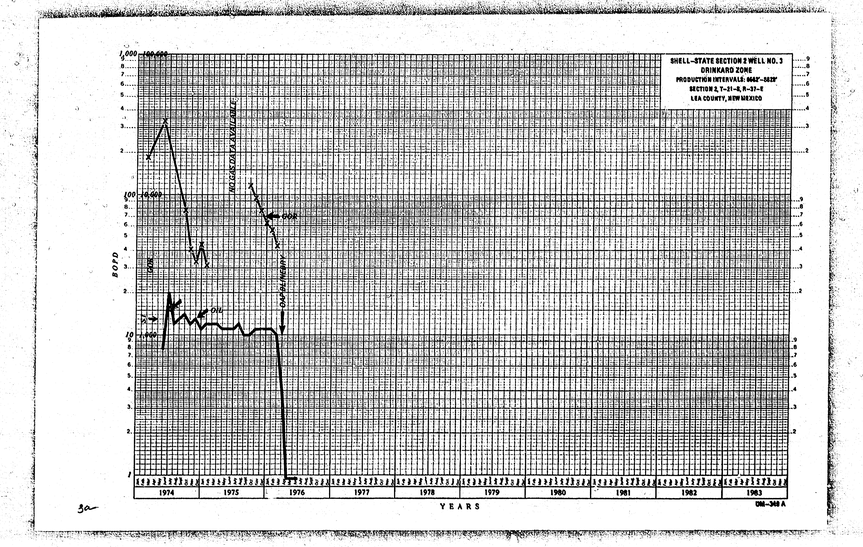
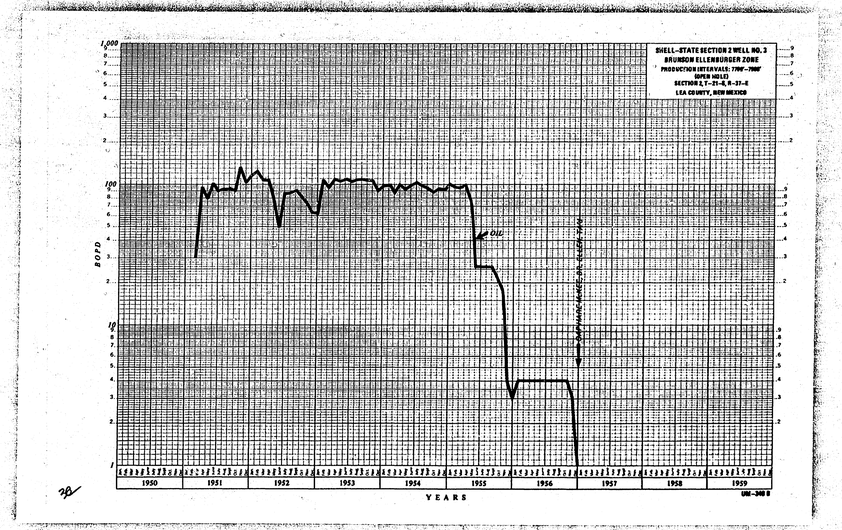
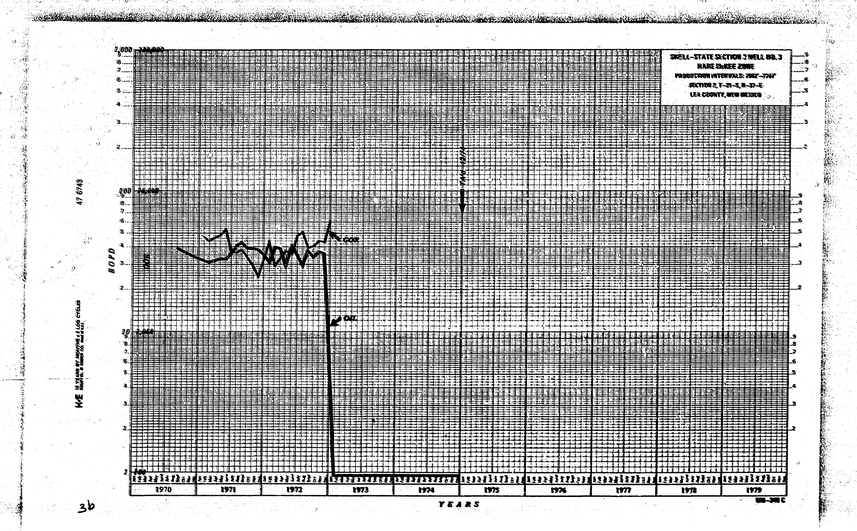



3a

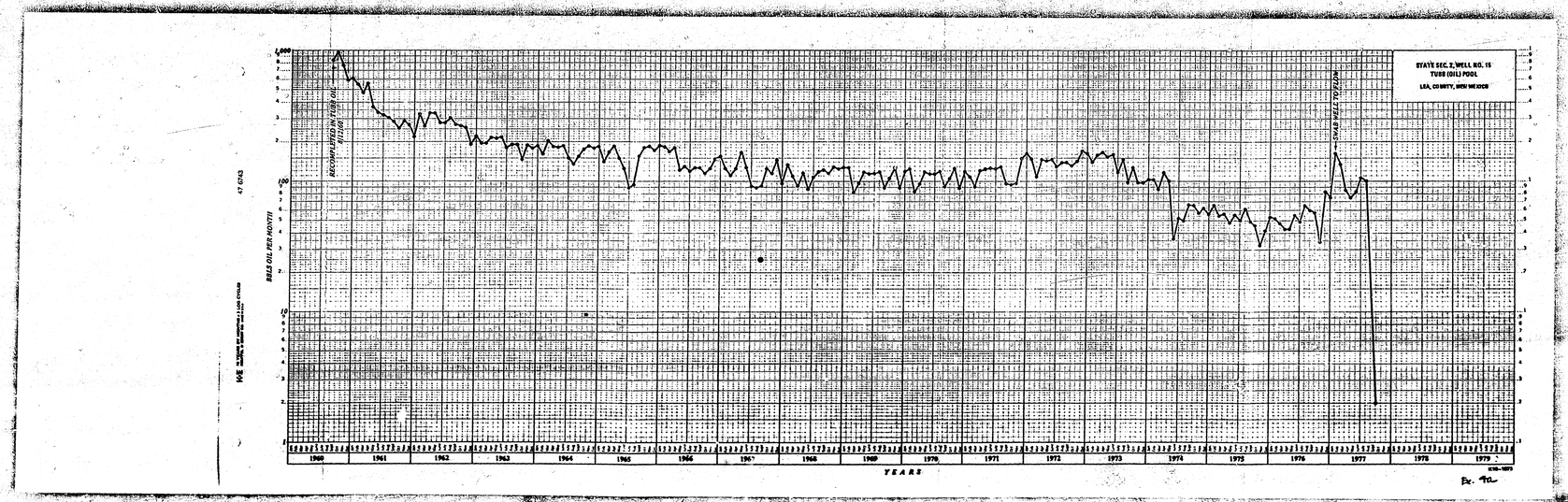
U.S.G.S. PHOTOGRAPHIC
NOT AVAILABLE COPY


SHELL-STATE SECTION 2 WELL NO. 3
BRUNSON ELLENBURGER ZONE
PRODUCTION INTERVALS: 7797'-7909'
(OPEN HOLE)
SECTION 2, T-21-S, R-37-E
LEA COUNTY, NEW MEXICO
1,000
100
10
BOPD
GOR
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
YEARS
UW-340 B




36

U.S.B.C.F. ROCKEFELLER
WHC AVAILABLE COPY




Ex. 12

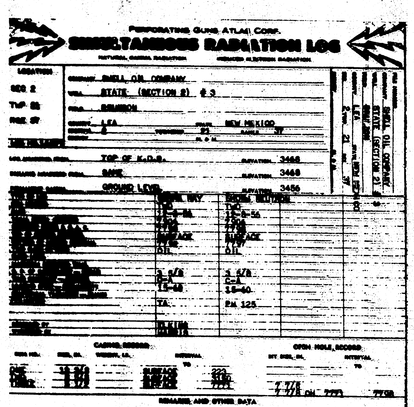
V.R.R.C.F. MICROGRAPHICS
NOW AVAILABLE COPY

Reproduced By

**West Texas Electrical Log Service**

Dallas 2, Texas

REFERENCE Nº A 5951 -E


PERFORATING GUNS ATLAS CORP.

SHELTASCOPE RADIATION LOG

NATURAL GAMMA RADIATION — INDUCED ELECTRON RADIATION

LOCATION

SEC 2
TWP 8S
RGE 27

WELL SHELL OIL COMPANY
WELL STATE (SECTION B) # 3
FIELD BRUNSON
COUNTY LEA STATE NEW MEXICO
OTHER SERVICES
PERM. DATUM TOP OF K.D.B. ELEVATION 3468
LOG MEASURED FROM BASE ELEVATION 3468
DRILL MEASURED FROM GROUND LEVEL ELEVATION 3456

RUN NO. 1 | DATE RUN | 10-26-56
TYPE LOG | GR-N
DEPTH DRILLER | 4700
DEPTH LOGGER | 4700
BTM. LOG INTERVAL | 4700
TOP LOG INTERVAL | SURFACE
CASING DRILLER | 8 5/8
CASING LOGGER | 1540
BIT SIZE | 7 7/8
TYPE FLUID IN HOLE | OIL
DENS. | VIS. | FM 125
MAX. REC. TEMP. | 170°
EQUIP. NO. & LOCATION

CASING RECORD — OPEN HOLE RECORD

| SIZE NO. | WGT. LBS. | FROM | TO | SIZE NO. | WGT. LBS. | FROM | TO |
|---|---|---|---|---|---|---|---|
| 8 5/8 | 24 | SURF | 1540 | 7 7/8 | | 1540 | 4700 |
| 5 1/2 | 14 | SURF | 4700 | | | | |

REMARKS AND OTHER DATA

4 1/2" OH 7775 7750

COMPLETION RECORD

SPUD DATE

COMP DATE

DST RECORD

CASING RECORD

PERFORATING RECORD

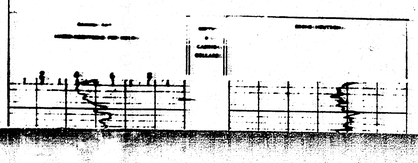
ACID, FRAC SHOT

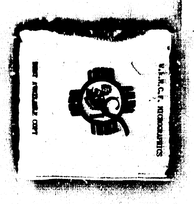
I P

GOR GR

T P C P

REMARKS:





CASING RECORD

PERFORATING RECORD

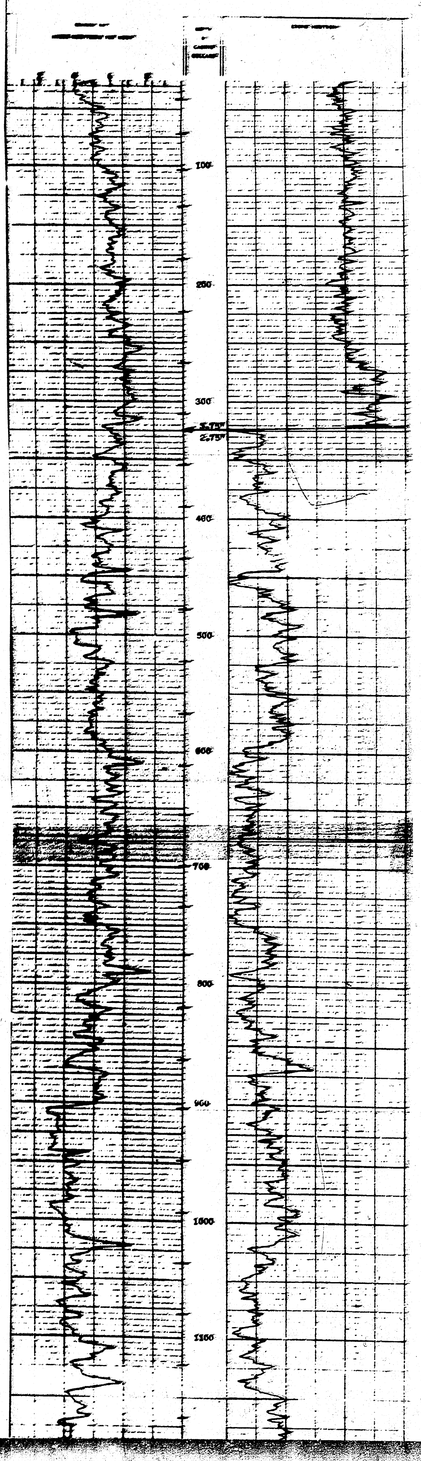
ACID, FRAC SHOT

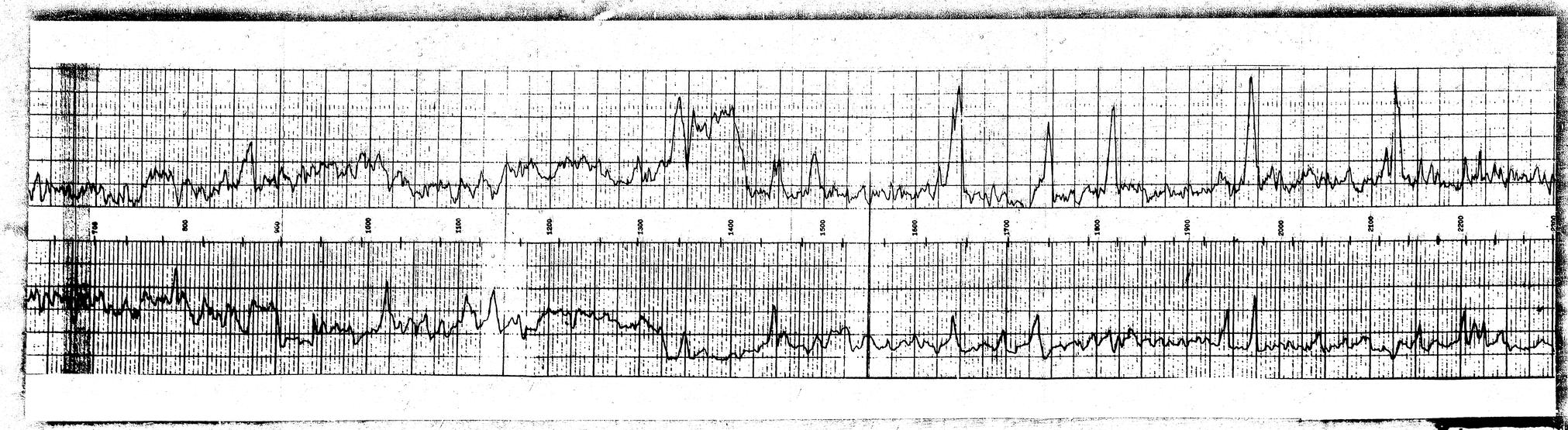
IP

GOR GR

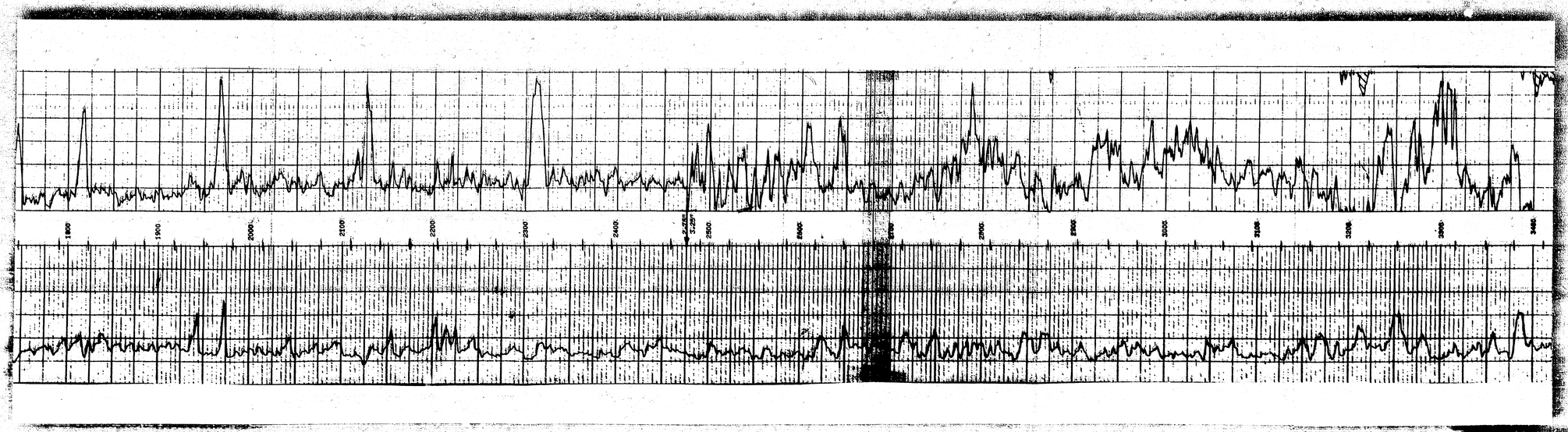
T.P C.P

REMARKS:

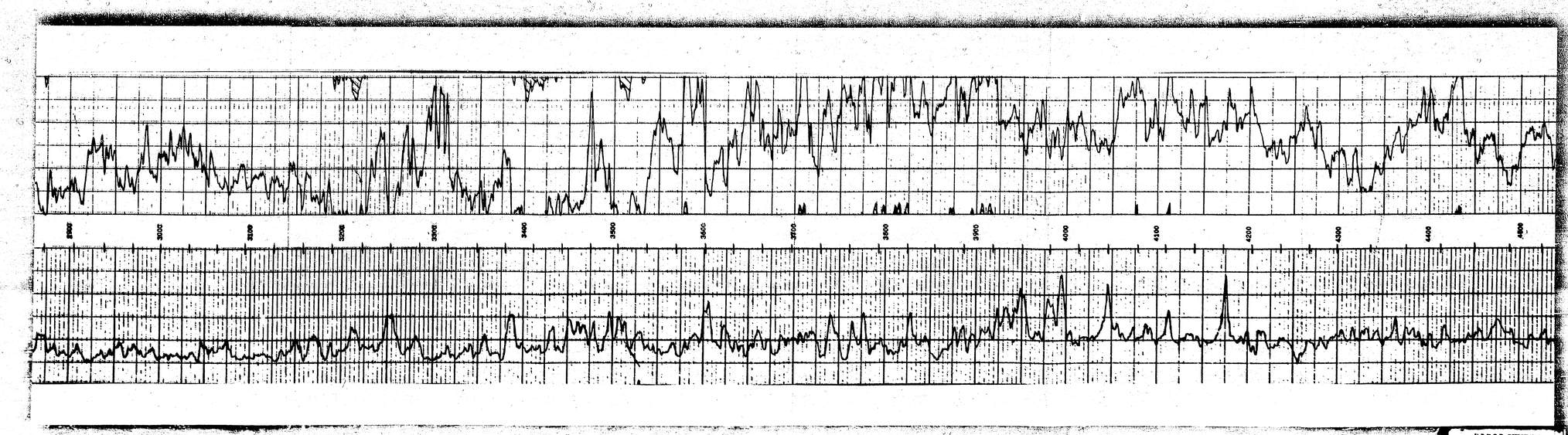





V.E.R.C.F. MICROGRAPHICS




U.S.B.G.S. HYDROGRAPHICS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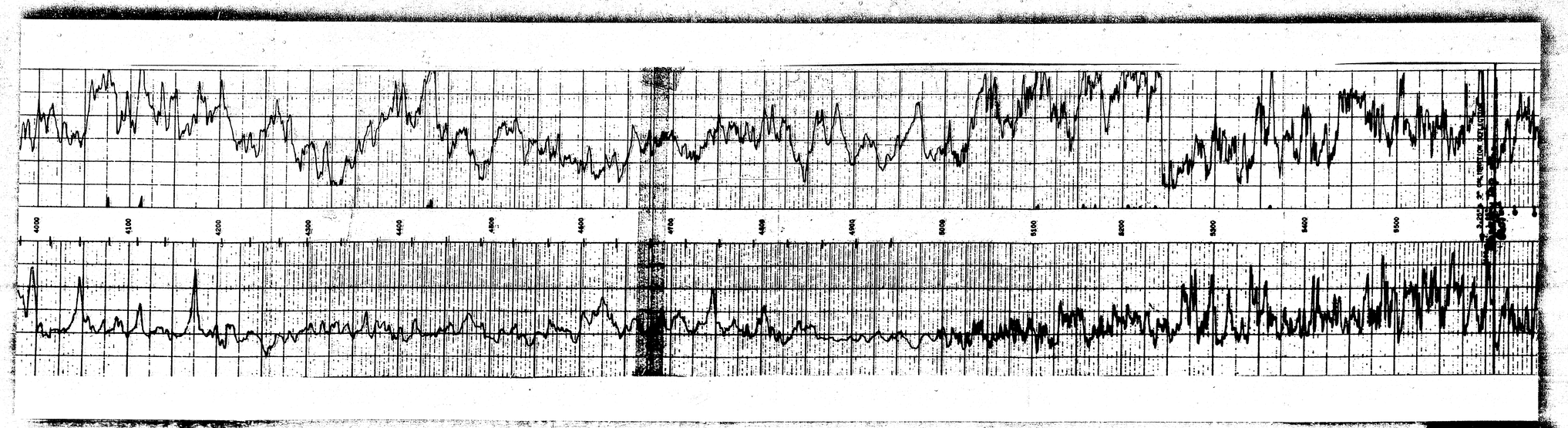


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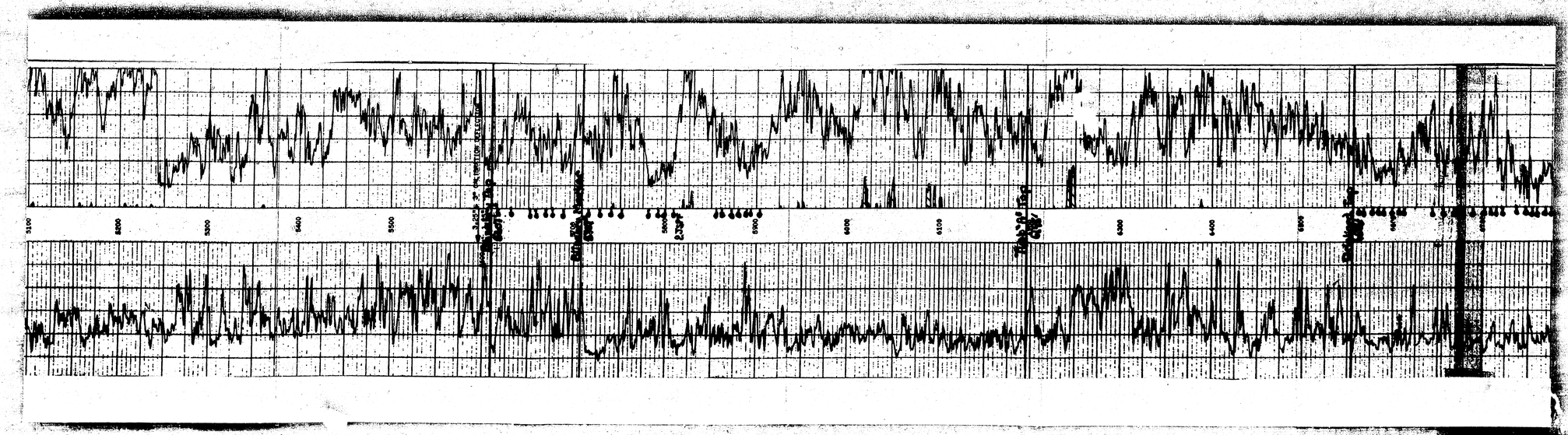


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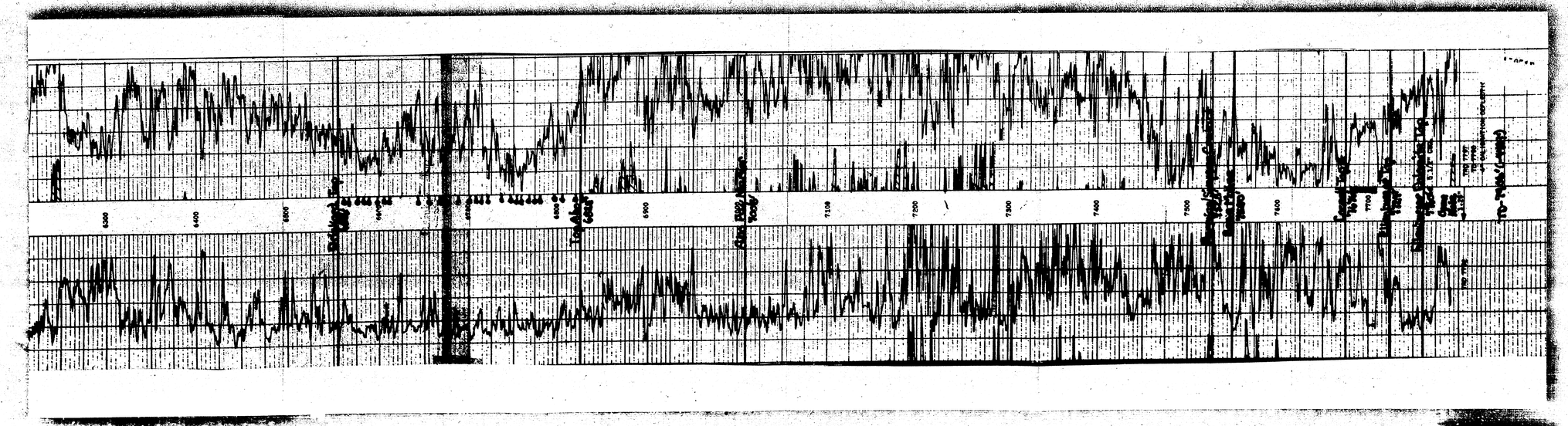
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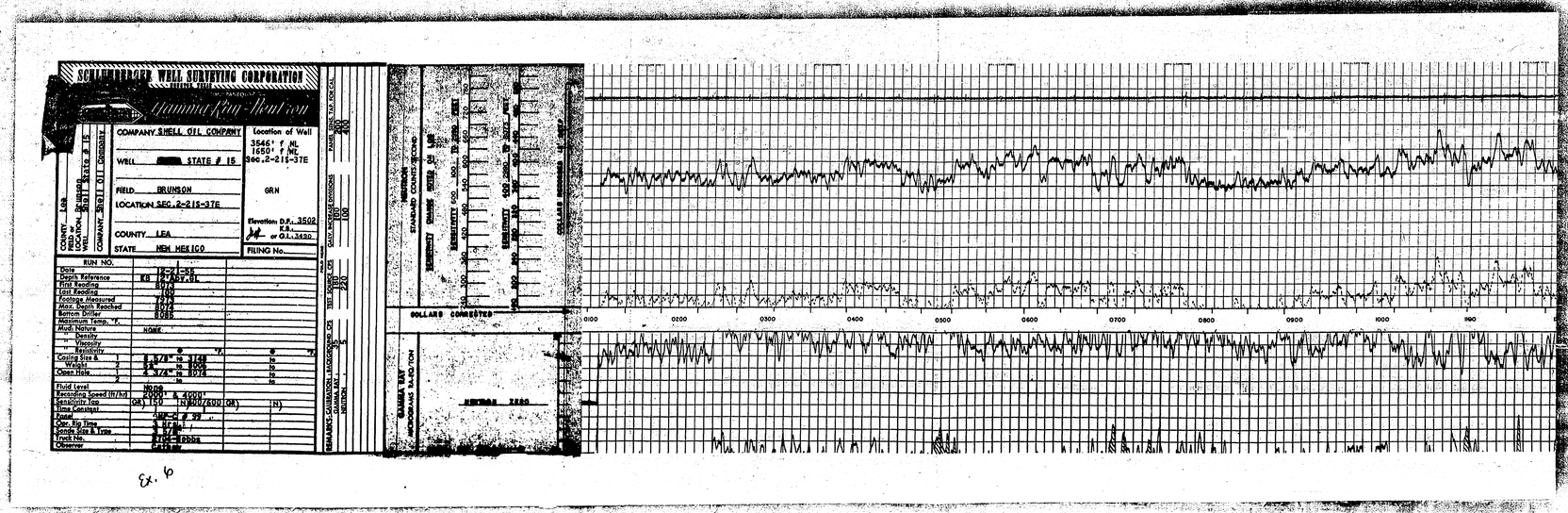
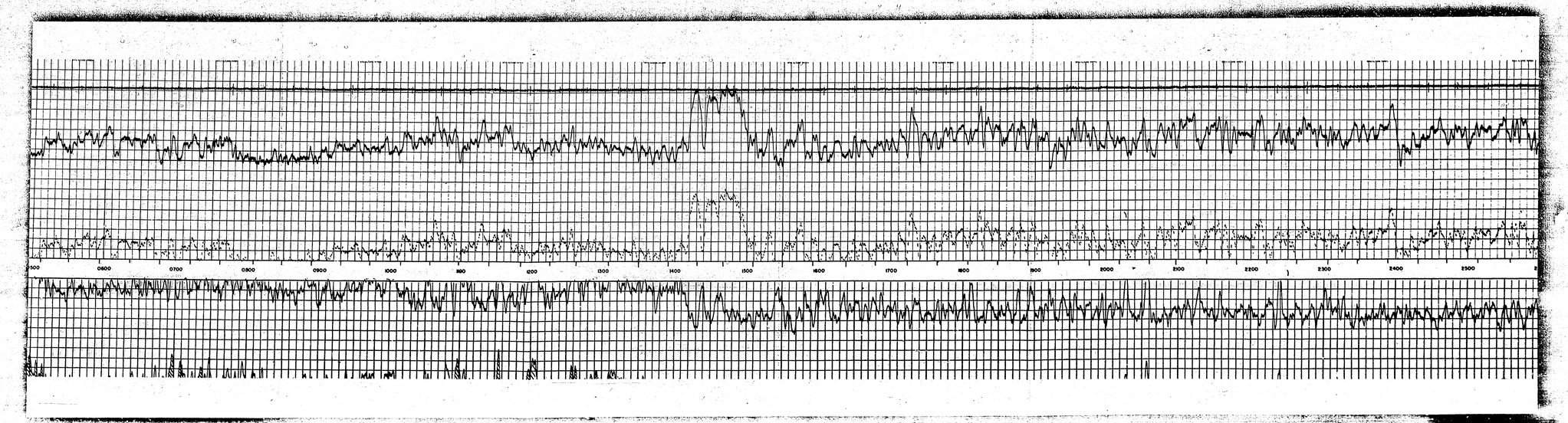



Ex. 6

U.S.G.S. MICROGRAPHICS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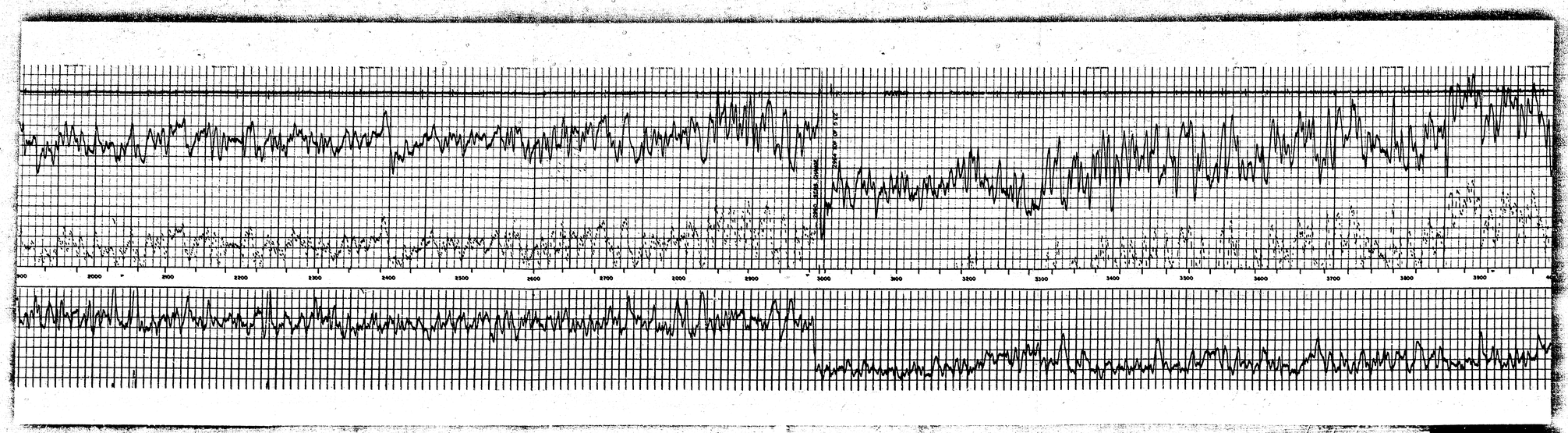
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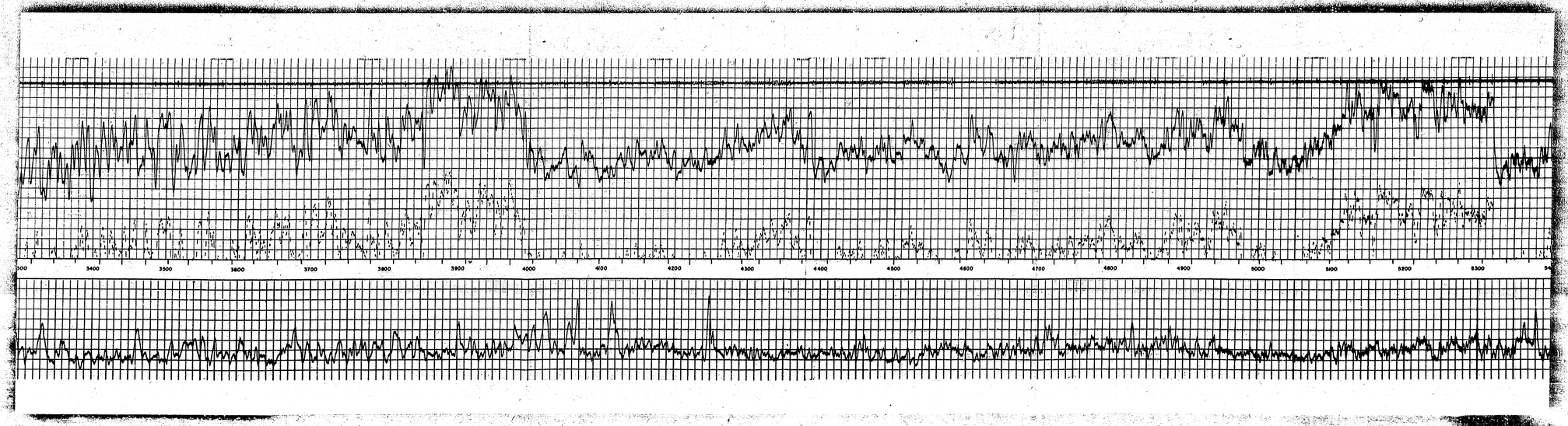
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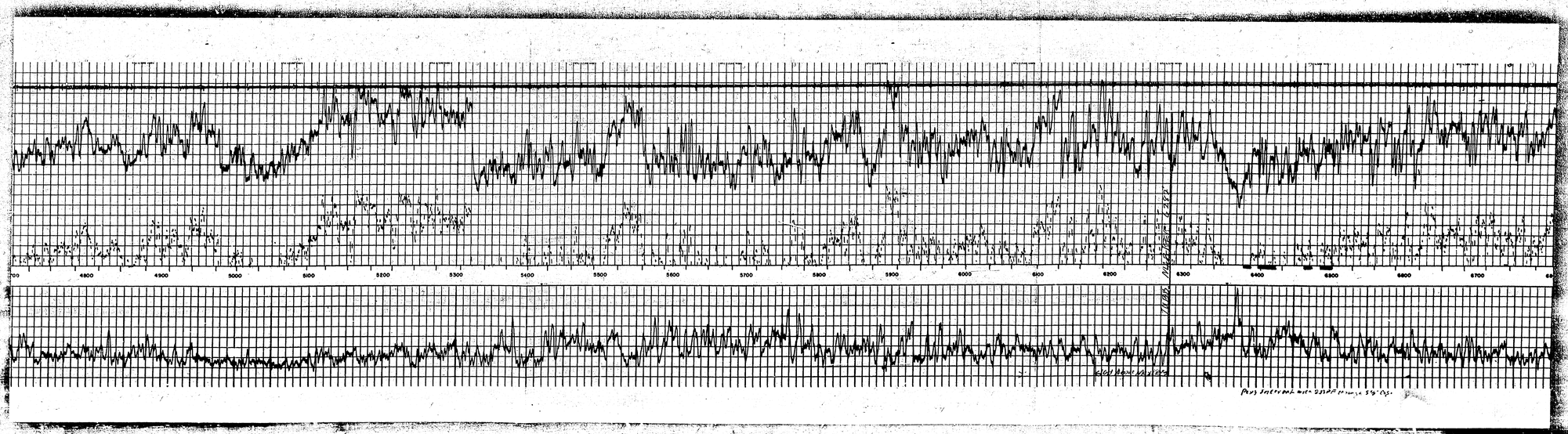


V.R.R.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

V.R.R.C.F. MICROGRAPHICS
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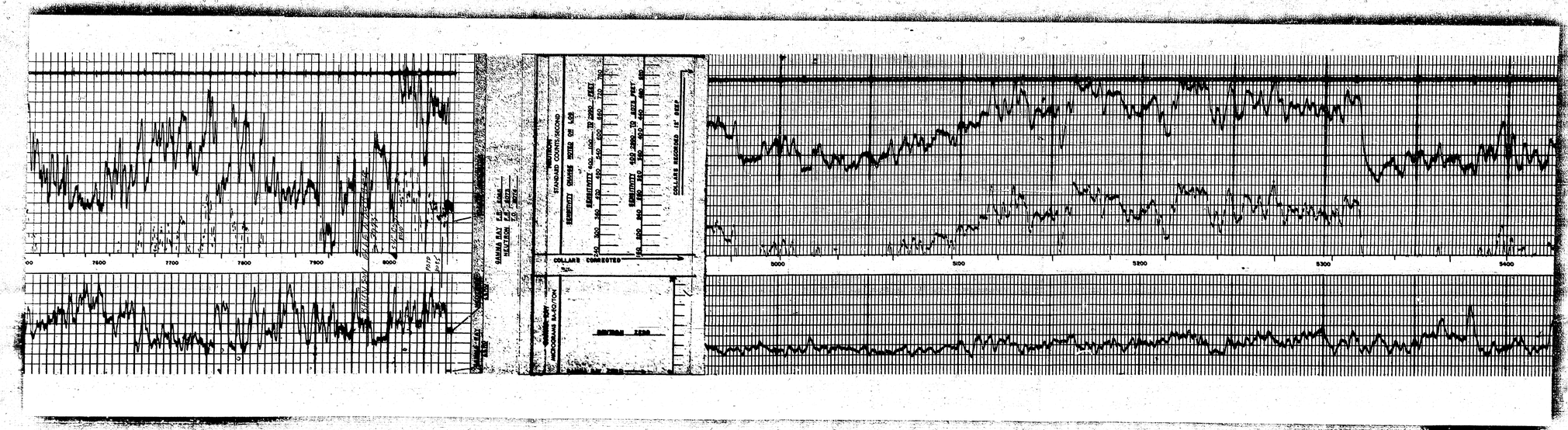


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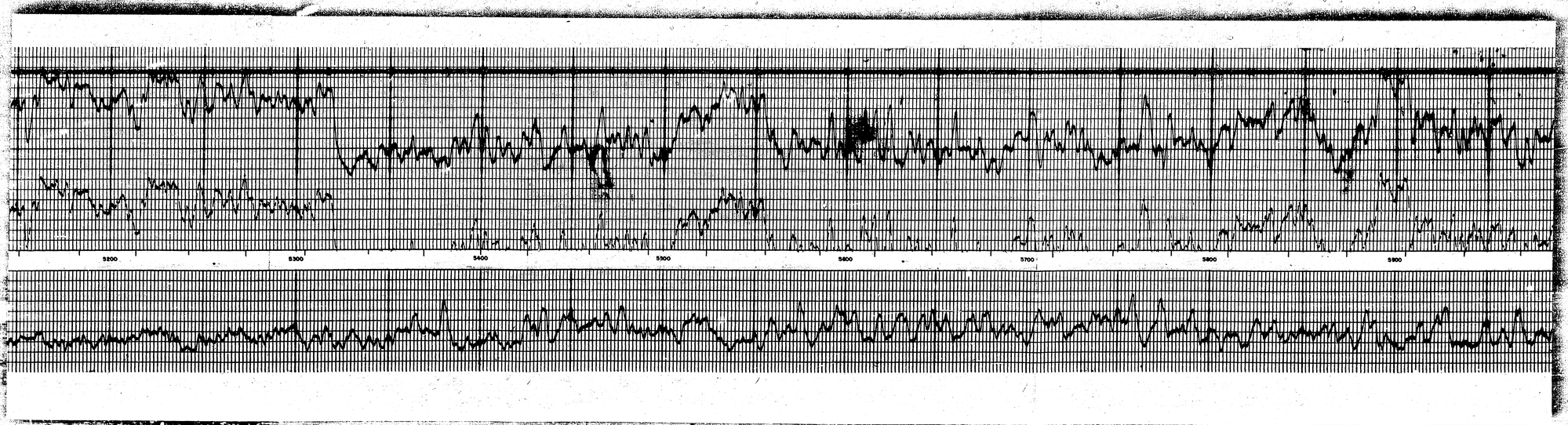


V.E.B.C.F. HYDROGRAPHICS
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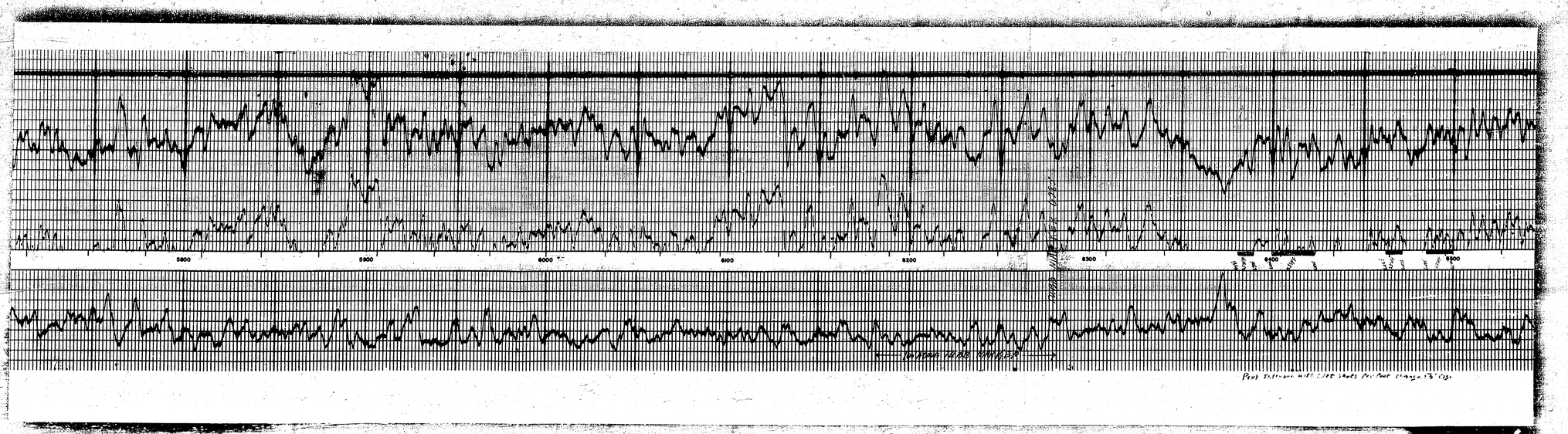


U.S.B.C.F. MICROGRAPHICS
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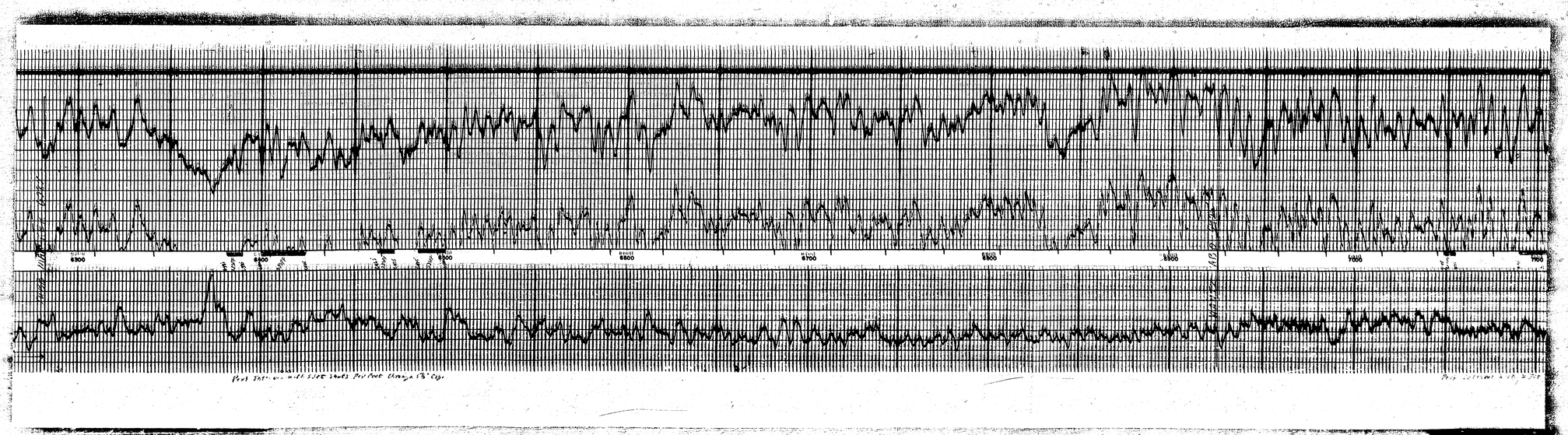
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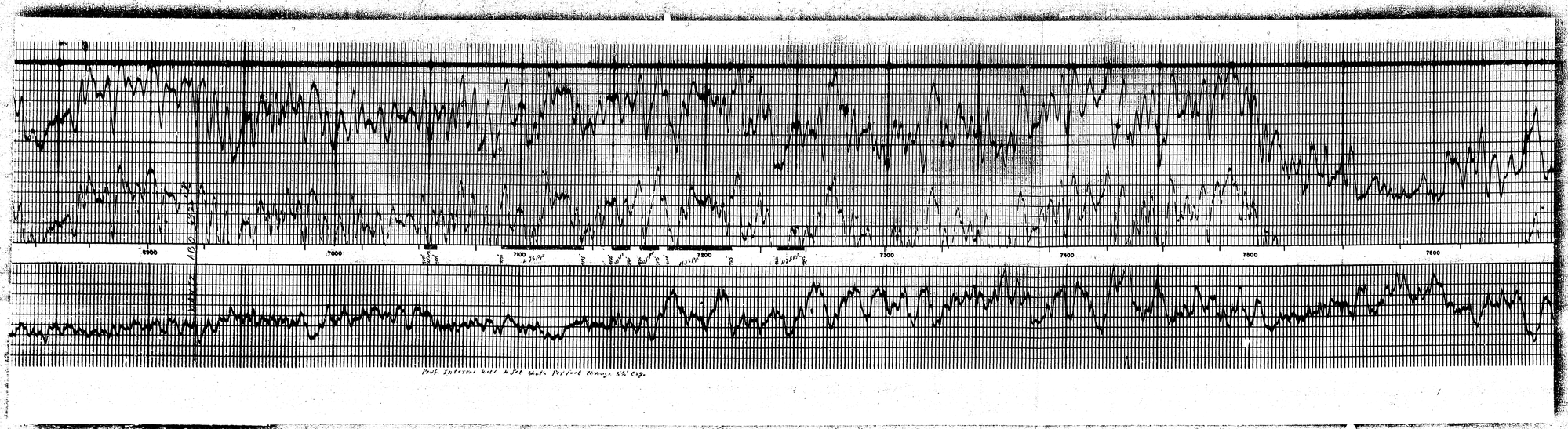


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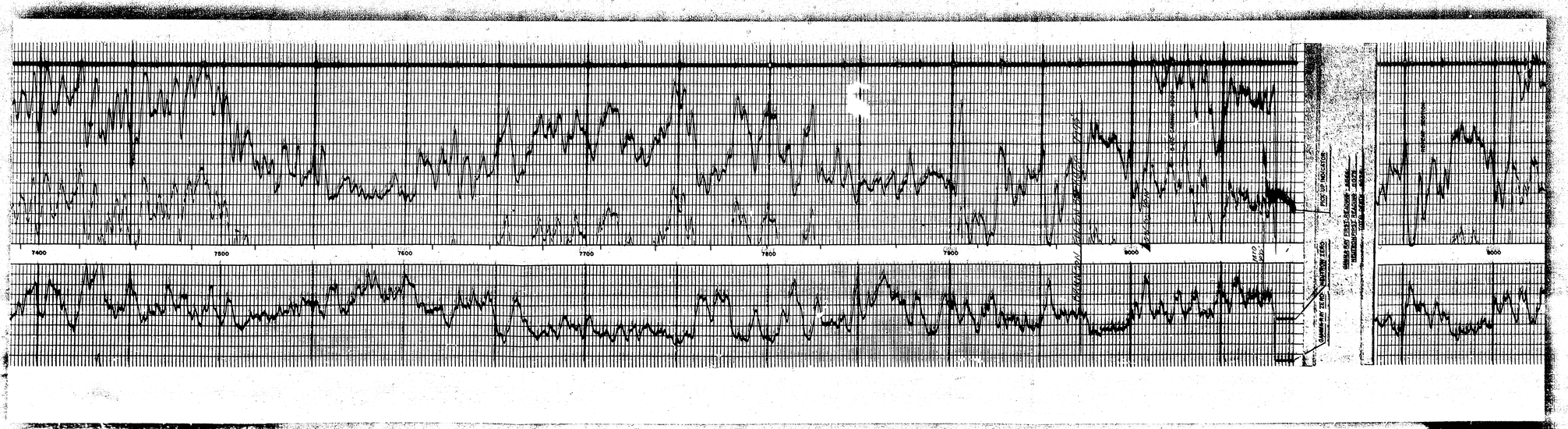


W.N.C.P. MICROGRAPHICS
BEST AVAILABLE COPY

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9000
STATISTICS
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NEUTRON BACKGROUND
GR ADJUST
GR BACKGROUND
SHELL OIL COMPANY
SHELL STATE F 15
NEW MEXICO
EDDY COUNTY
V.I.S.C.P. MICROFILMED