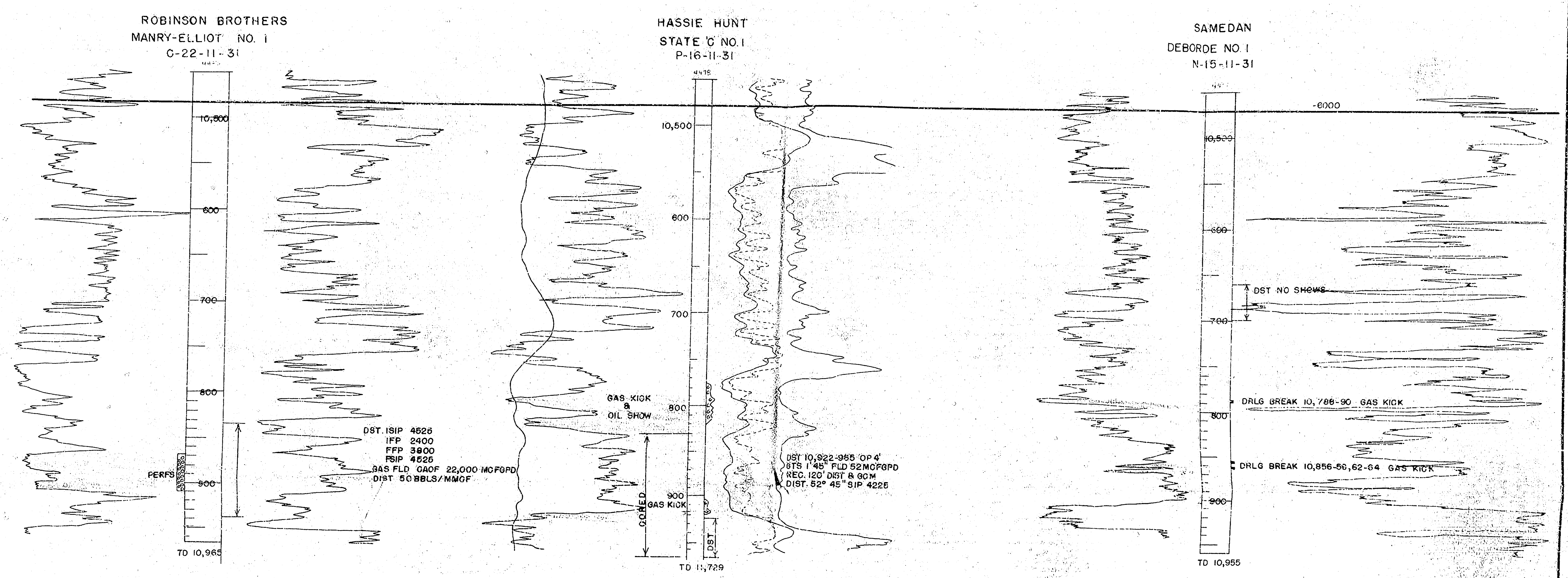
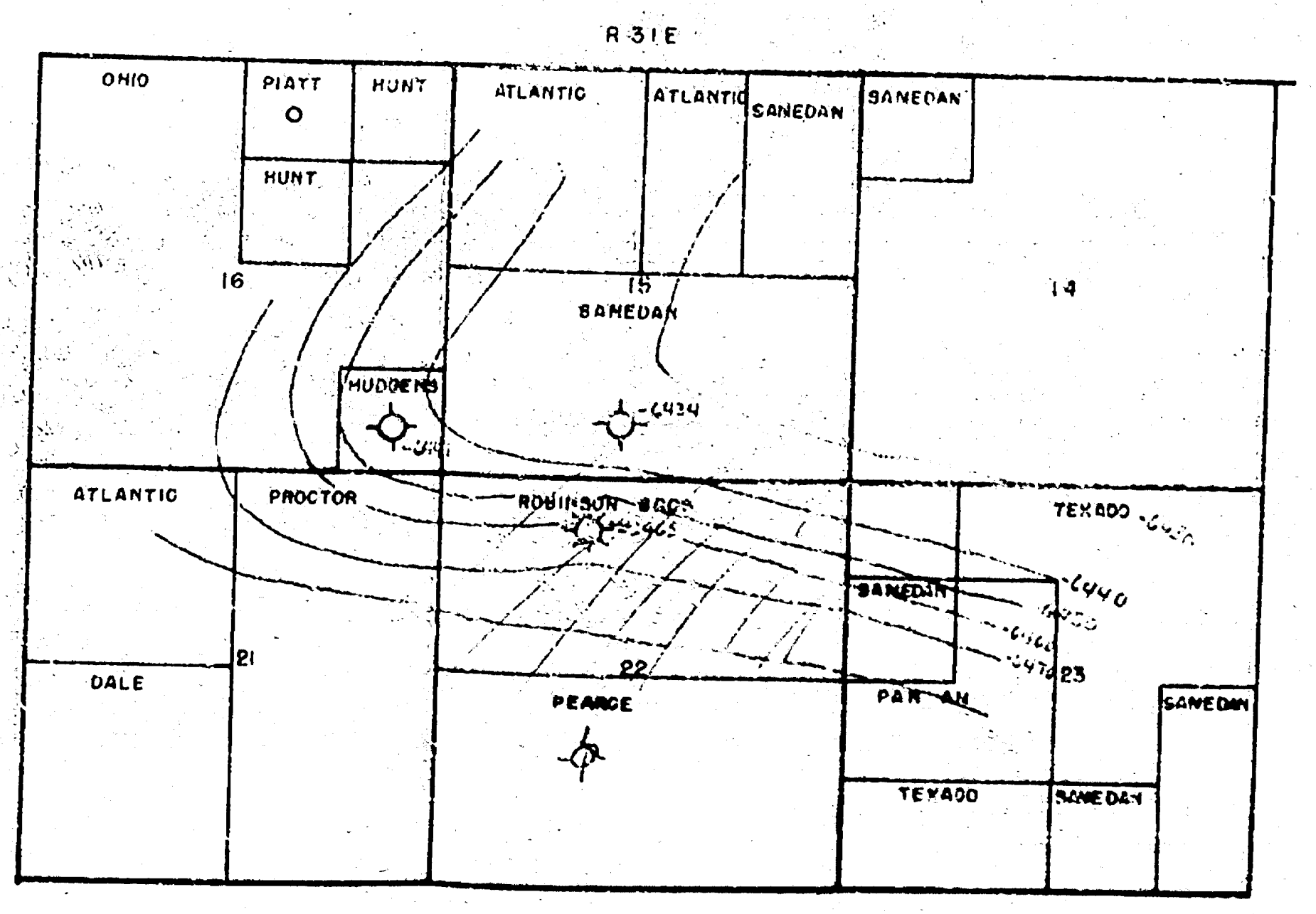
Case No.
2131

Large Exhibits

V.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY




R 31 E
T 11 S
OHIO
PIATT
HUNT
HUNT
ATLANTIC
ATLANTIC
SAMEDAN
SAMEDAN
16
15
14
SAMEDAN
HUDDENS
-6434
ATLANTIC
PROCTOR
ROBINSON BROS
-6465
TEXACO
-6440
SAMEDAN
21
22
23
DALE
PEARCE
PAN AM
SAMEDAN
TEXACO
SAMEDAN

Ex #2

U.N.M.C.F. MICROGRAPHICS
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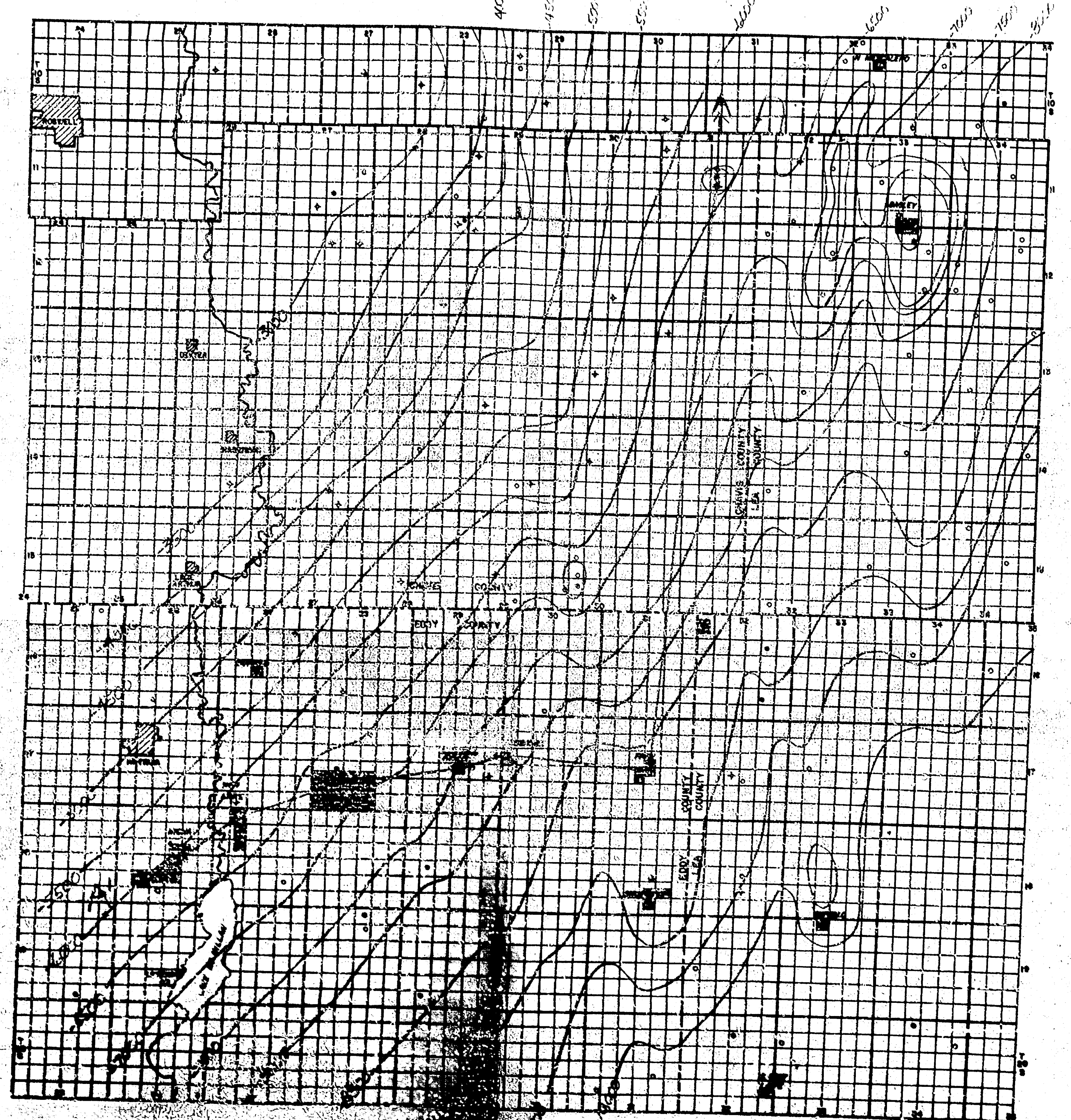
CHAVES COUNTY
EDDY COUNTY
LEA COUNTY

STRUCTURAL CONTOUR MAP
TOP MISS.

GEOLOGIST RANDALL MONTGOMERY
CONTOUR INTERVAL 500'
MAP SCALE 1/4" = MILE
DATE NOV 8, 1980

Ex 6

[illegible] MICROGRAPHICS
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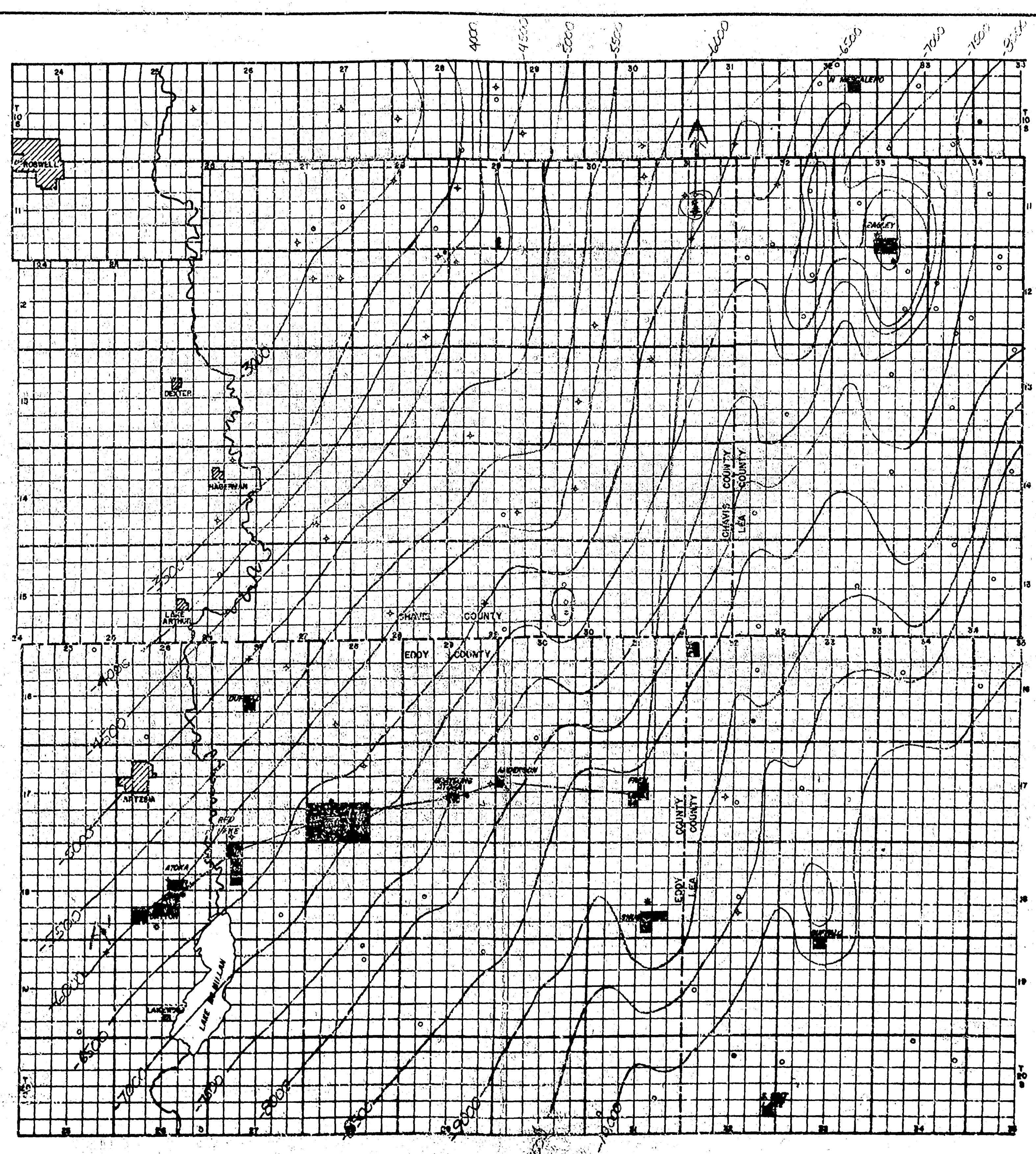

-4000
-4500
-5000
-5500
-6000
-6500
-7000
-7500
-8000
-8500
-9000
-9500
-10000
ROSWELL
N MESCALERO
CAGLEY
DEXTER
HAGERMAN
LAKE ARTHUR
CHAVES COUNTY
EDDY COUNTY
LEA COUNTY
ARTESIA
RED LAKE
ANDERSON
ATOKA
LAKEWOOD
LAKE McMILLAN
T 10 S
T 20 S

STRUCTURAL CONTOUR MAP

TOP MISS.

GEOLOGIST *RANDALL MONTGOMERY*
CONTOUR INTERVAL 500'
MAP SCALE 1/4" = 1 MILE
DATE NOV. 8, 1960

Ex 6

[illegible] MICROGRAPHICS
BEST AVAILABLE COPY

ROBINSON BROTHERS OIL PRODUCERS

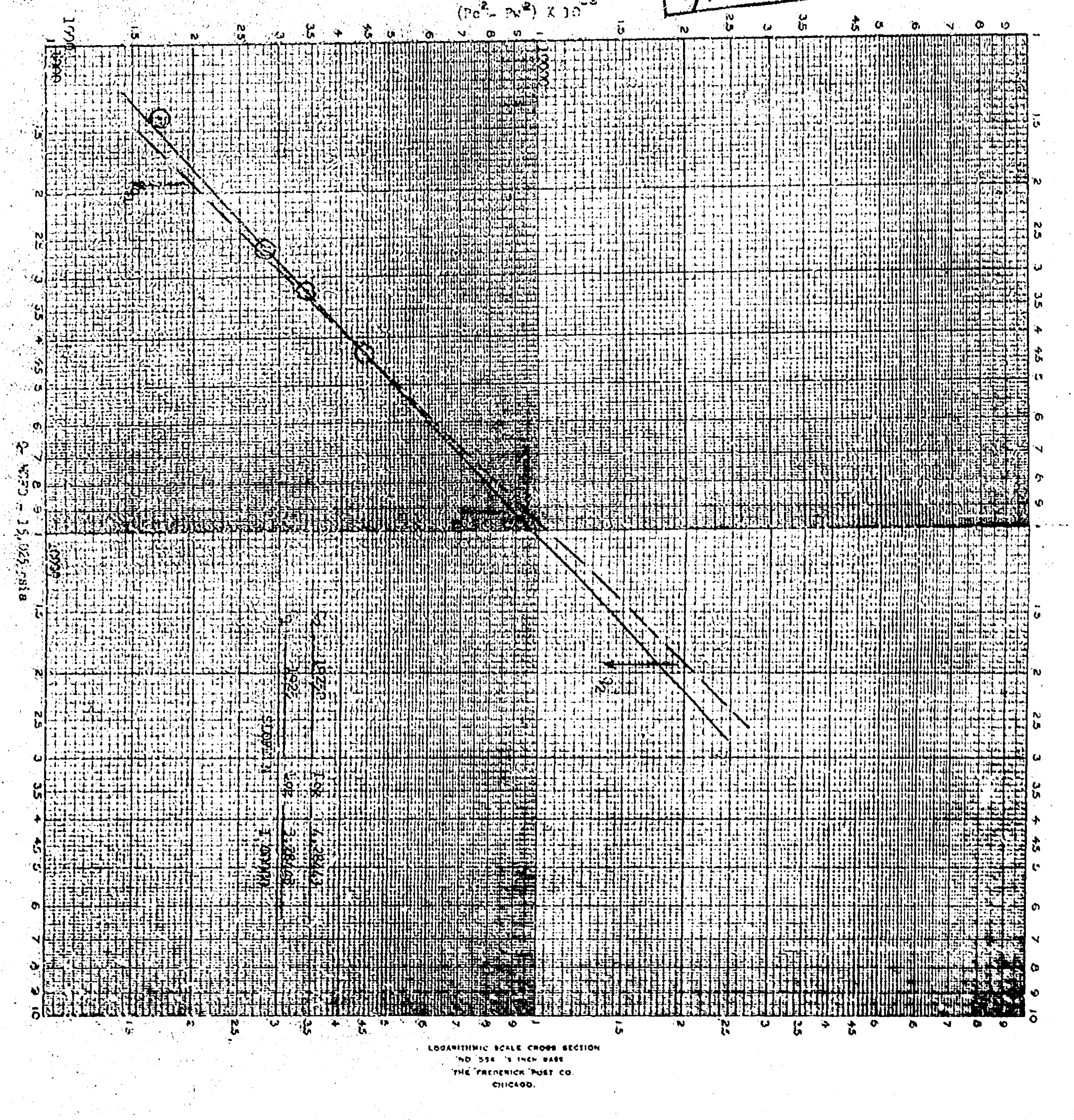
Well Manry-Elliot

Location #1

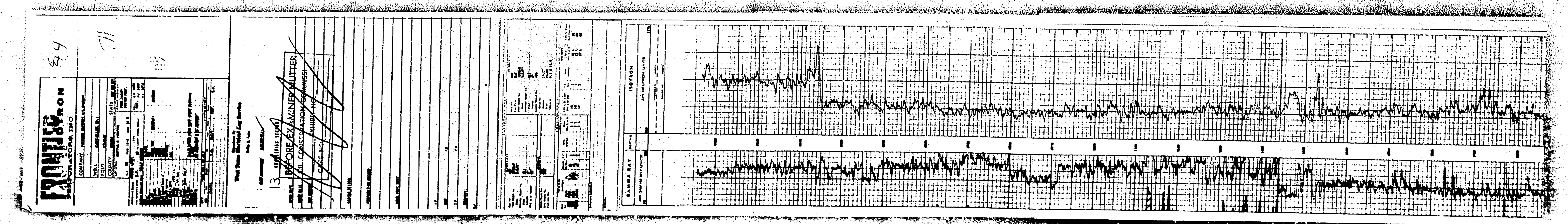
County Chaves

Date 4-8-60

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
Appl EXHIBIT NO. 3
CASE NO. 2131



LOGARITHMIC SCALE CROSS SECTION
NO 334 ½ INCH BASE
THE FREDERICK POST CO.
CHICAGO.

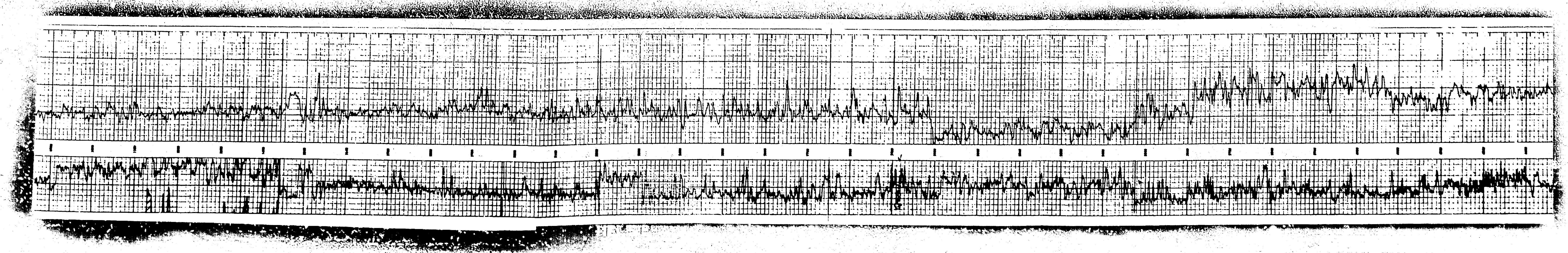


34

11

13

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSI
EXHIBIT NO.
CASE NO.



U.E.S.C.F. MICROGRAPHICS

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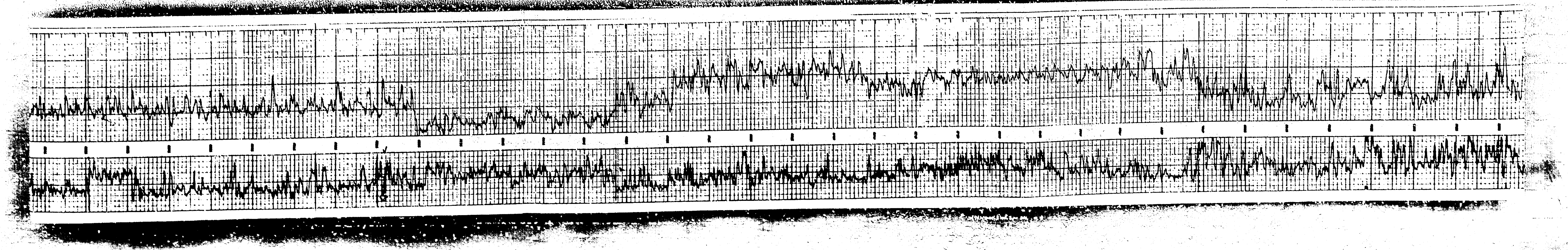

U.N.H.C.R. MICROGRAPHICS

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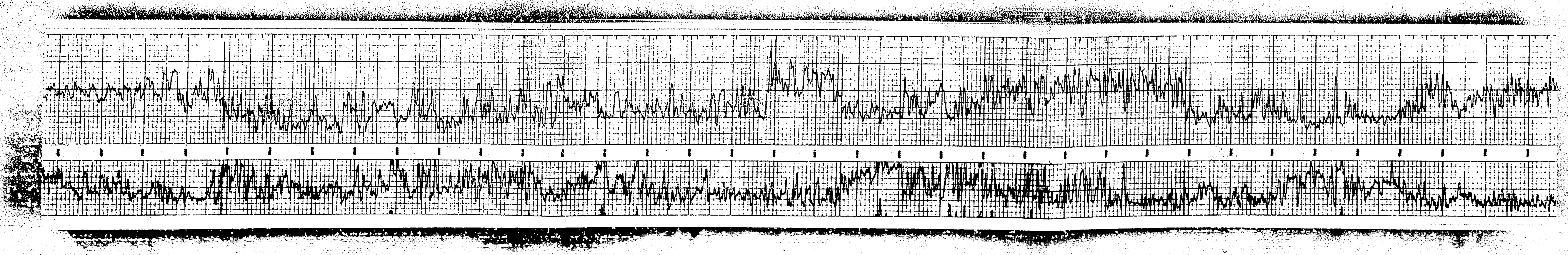

V.S.H.C.F. MICROGRAPHICS

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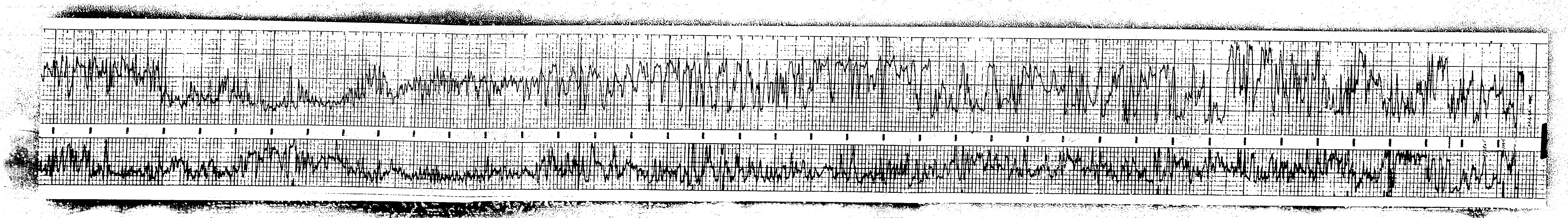

V.I.H.C.F. MICROGRAPHICS

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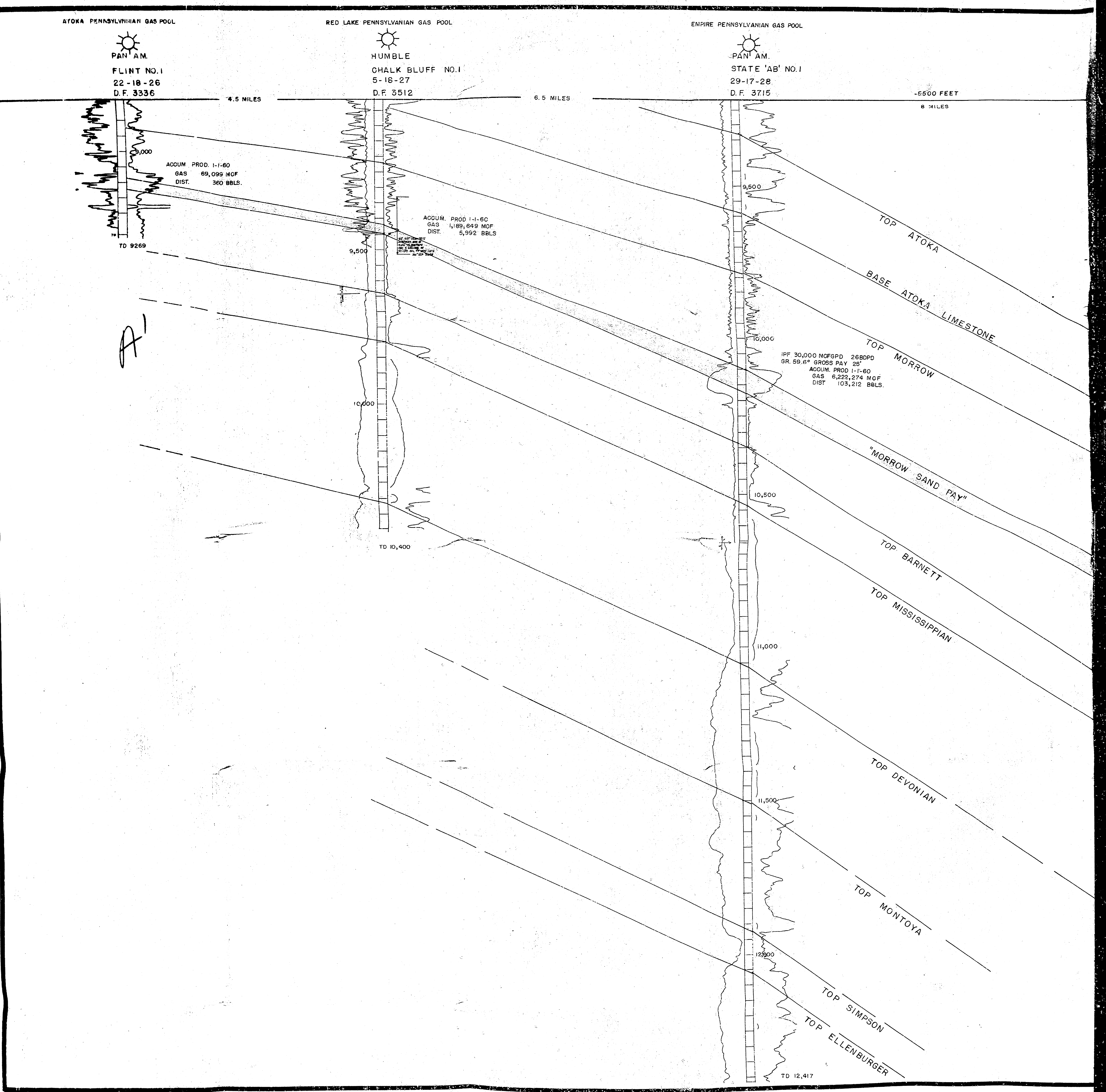
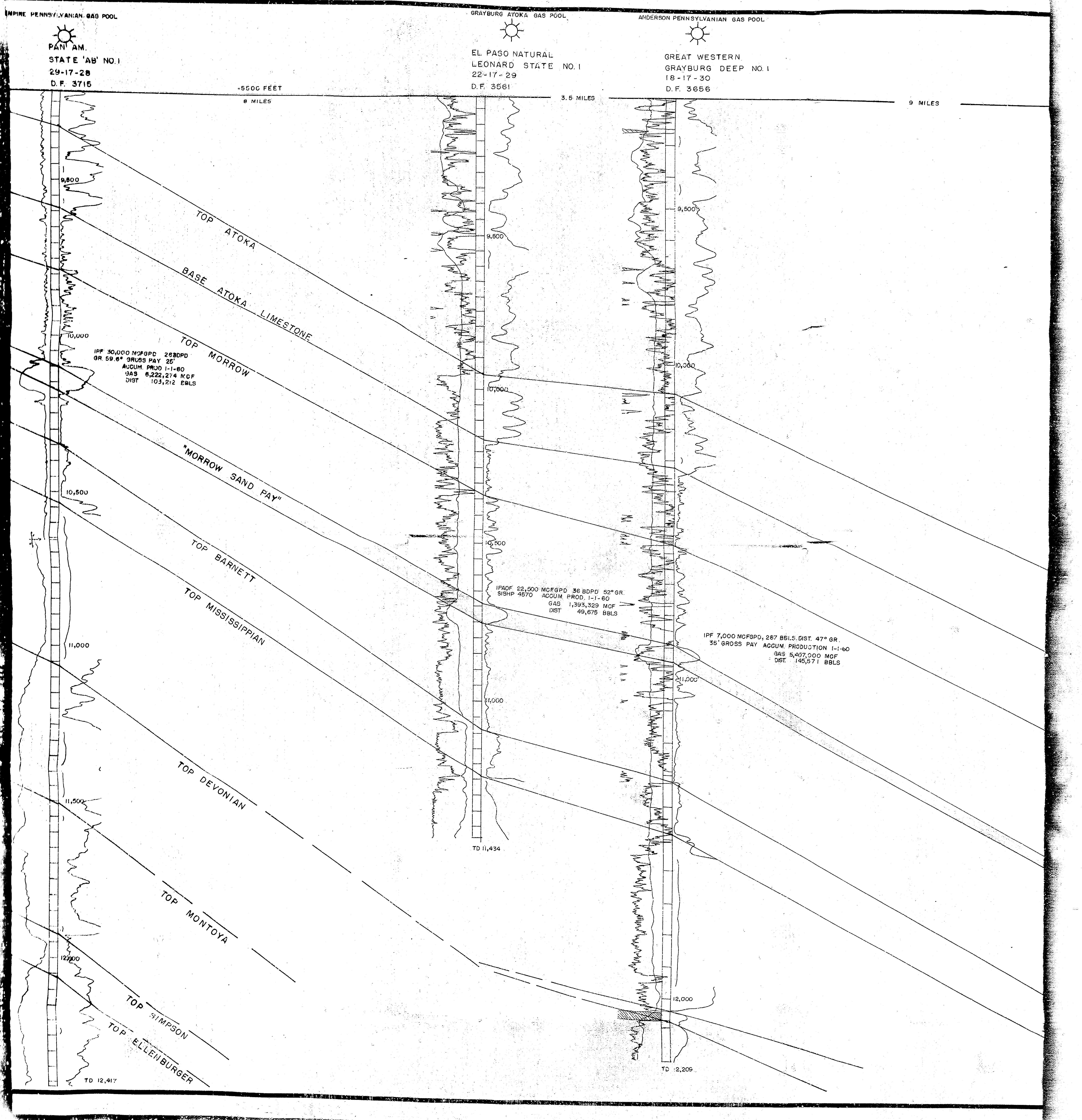
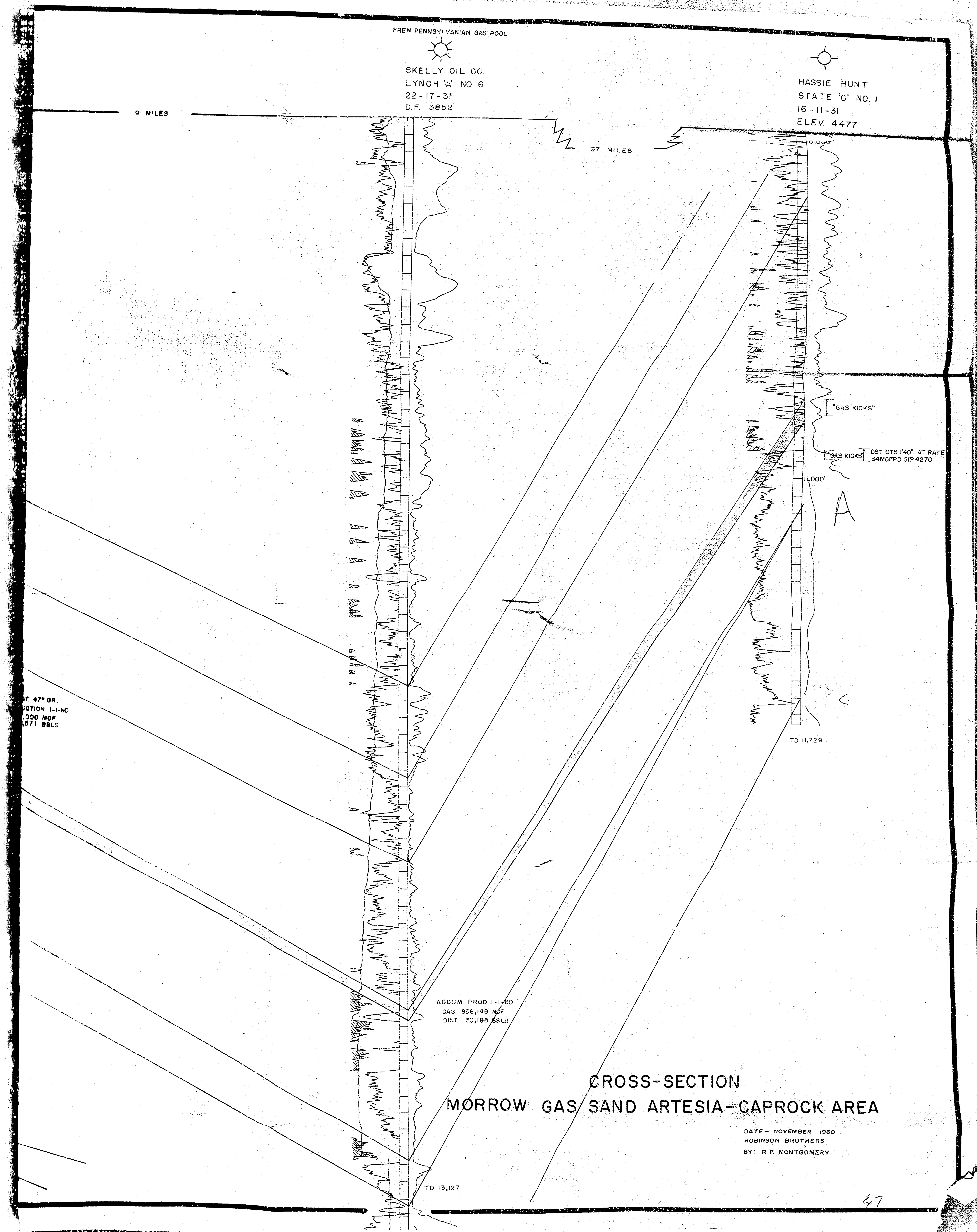

ATOKA PENNSYLVANIAN GAS POOL
PAN AM.
FLINT NO. I
22 - 18 - 26
D.F. 3336
9,000
ACCUM PROD. 1-1-60
GAS 69,099 MCF
DIST. 360 BBLS.
TD 9269
4.5 MILES
RED LAKE PENNSYLVANIAN GAS POOL
HUMBLE
CHALK BLUFF NO. I
5-18-27
D.F. 3512
9,500
10,000
ACCUM. PROD 1-1-60
GAS 1,189,649 MCF
DIST. 5,992 BBLS
TD 10,400
6.5 MILES
EMPIRE PENNSYLVANIAN GAS POOL
PAN AM.
STATE 'AB' NO. I
29-17-28
D.F. 3715
-5500 FEET
8 MILES
9,500
10,000
IPF 30,000 MCFGPD 26BDPD
GR. 59.6° GROSS PAY 25'
ACCUM. PROD 1-1-60
GAS 6,222,274 MCF
DIST 103,212 BBLS.
10,500
11,000
11,500
12,000
TD 12,417
TOP ATOKA
BASE ATOKA LIMESTONE
TOP MORROW
"MORROW SAND PAY"
TOP BARNETT
TOP MISSISSIPPIAN
TOP DEVONIAN
TOP MONTOYA
TOP SIMPSON
TOP ELLENBURGER
A'

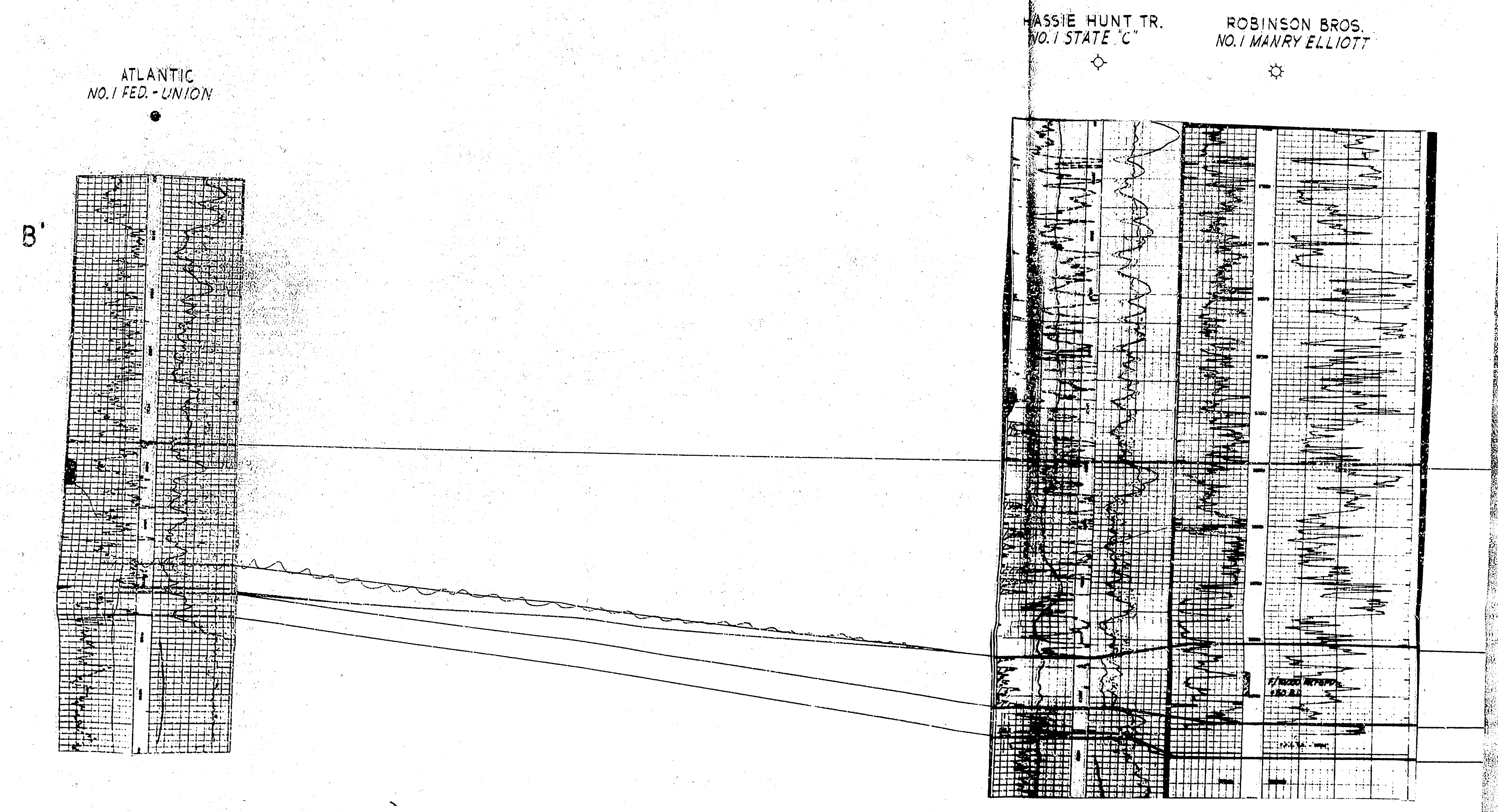

EMPIRE PENNSYLVANIAN GAS POOL
PAN AM.
STATE 'AB' NO. I
29-17-28
D.F. 3715
GRAYBURG ATOKA GAS POOL
EL PASO NATURAL
LEONARD STATE NO. I
22-17-29
D.F. 3561
ANDERSON PENNSYLVANIAN GAS POOL
GREAT WESTERN
GRAYBURG DEEP NO. I
18-17-30
D.F. 3656
-5500 FEET
8 MILES
3.5 MILES
9 MILES
9,500
10,000
10,500
11,000
11,500
12,000
TOP ATOKA
BASE ATOKA LIMESTONE
TOP MORROW
"MORROW SAND PAY"
TOP BARNETT
TOP MISSISSIPPIAN
TOP DEVONIAN
TOP MONTOYA
TOP SIMPSON
TOP ELLENBURGER
IPF 30,000 MCFGPD 25 BDPD
GR. 59.6° GROSS PAY 25'
ACCUM. PROD 1-1-60
GAS 6,222,274 MCF
DIST 103,212 BBLS
IPAOF 22,500 MCFGPD 36 BDPD 52° GR.
SIBHP 4570 ACCUM. PROD. 1-1-60
GAS 1,393,329 MCF
DIST 49,675 BBLS
IPF 7,000 MCFGPD, 287 BBLS. DIST. 47° GR.
35' GROSS PAY ACCUM. PRODUCTION 1-1-60
GAS 5,407,000 MCF
DIST. 145,571 BBLS
TD 12,417
TD 11,434
TD 12,209


FREN PENNSYLVANIAN GAS POOL
SKELLY OIL CO.
LYNCH 'A' NO. 6
22-17-31
D.F. 3852
9 MILES
HASSIE HUNT
STATE 'C' NO. 1
16-11-31
ELEV. 4477
57 MILES
"GAS KICKS"
"GAS KICKS"
DST GTS 1'40" AT RATE
34MCFPD SIP 4270
11,000'
A
TD 11,729
T 47° GR
OTION 1-1-60
,000 MCF
,571 BBLS
ACCUM PROD 1-1-60
GAS 858,149 MCF
DIST. 30,188 BBLS
TD 13,127

CROSS-SECTION
MORROW GAS SAND ARTESIA-CAPROCK AREA

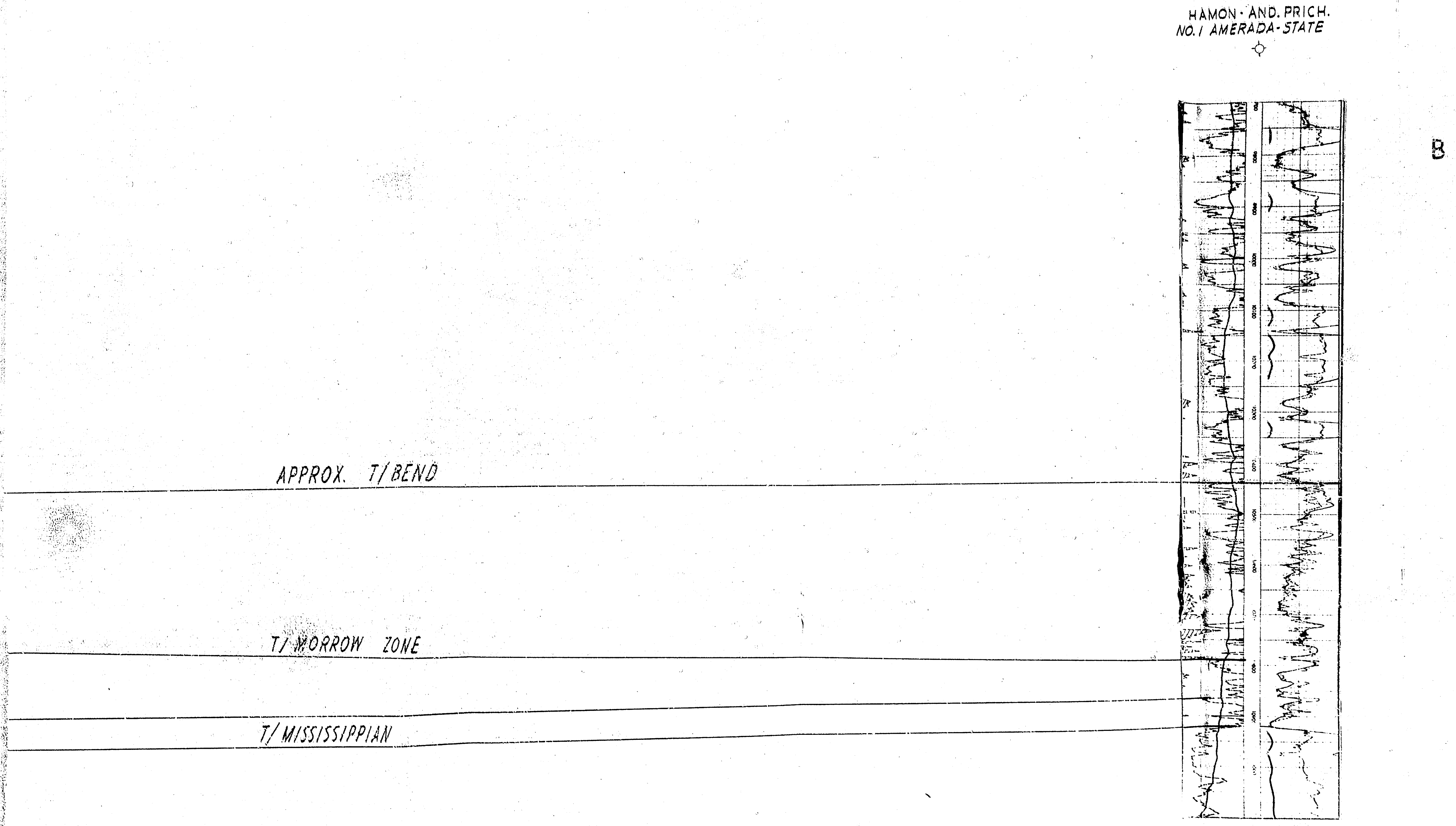
DATE- NOVEMBER 1960
ROBINSON BROTHERS
BY: R.F. MONTGOMERY

27


ATLANTIC
NO. 1 FED.-UNION
B'
HASSIE HUNT TR.
NO. 1 STATE "C"
ROBINSON BROS.
NO. 1 MANRY ELLIOTT

10 billion cuft
640 acres
1000 [illegible]
500 [illegible]

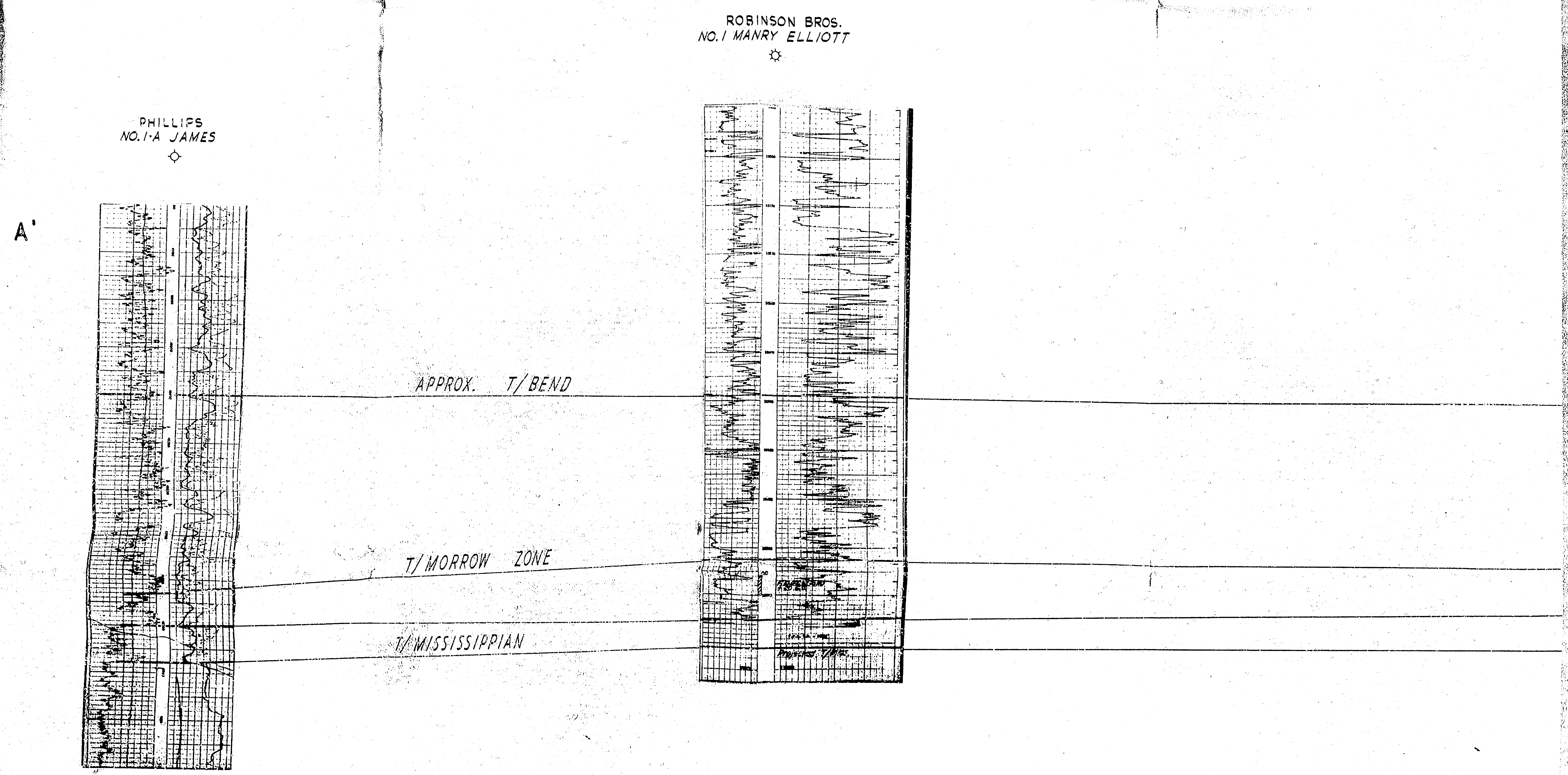
[illegible] MICROGRAPHICS


HAMON - AND. PRICH.
NO. 1 AMERADA - STATE
B
APPROX. T/BEND
T/MORROW ZONE
T/MISSISSIPPIAN

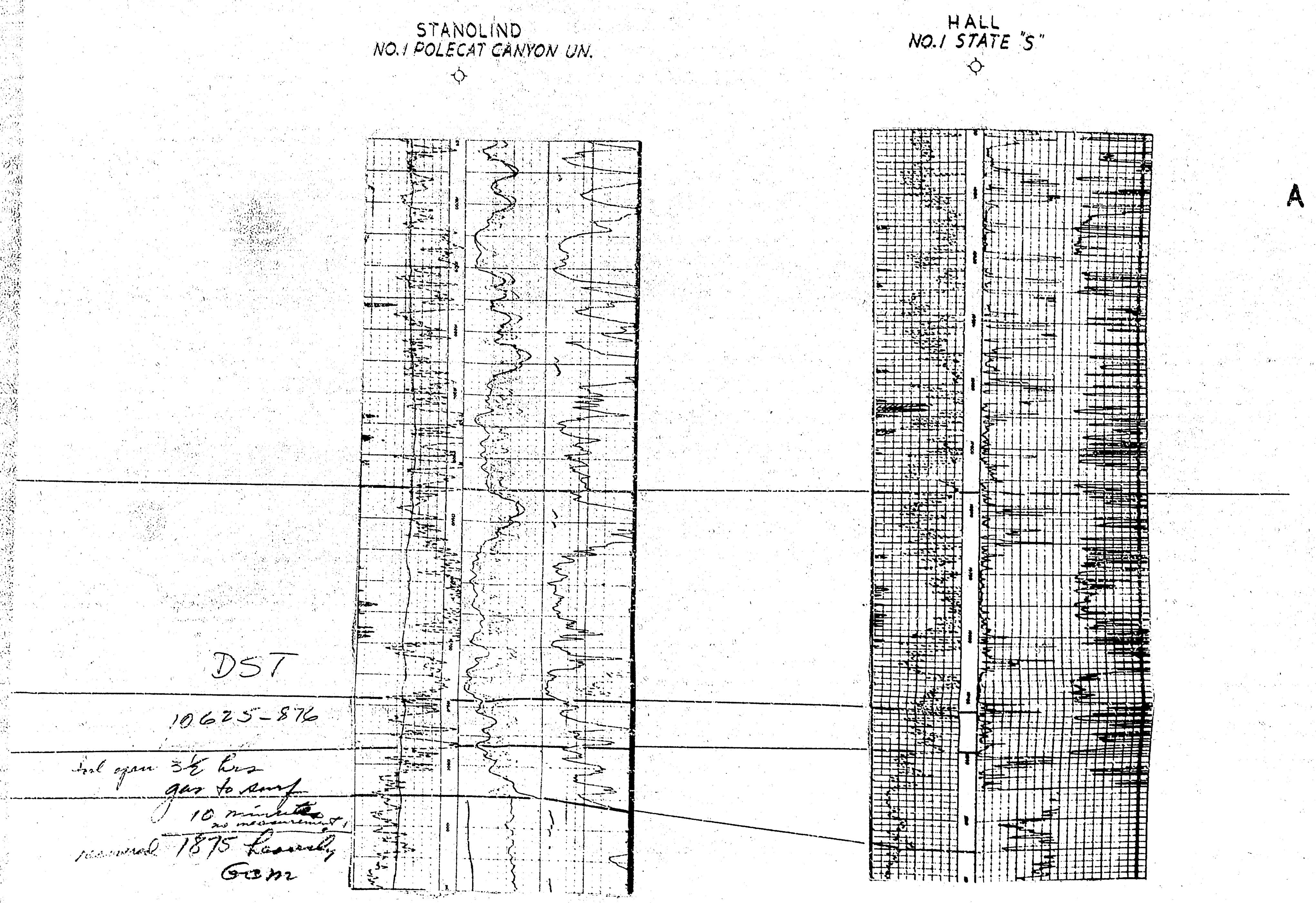
HORIZONTAL SCALE: 1" = 1,000'

BEFORE EXAMINER NUTTER
OIL CONSERVATION
Case EXHIBIT NO. 4
CASE NO. 2131

N.M.O.C.C. MICROGRAPHICS


A'
PHILLIPS
NO. 1-A JAMES
ROBINSON BROS.
NO. 1 MANRY ELLIOTT
APPROX. T/BEND
T/MORROW ZONE
T/MISSISSIPPIAN
Projected T/Miss.

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


STANOLIND
NO. 1 POLECAT CANYON UN.
HALL
NO. 1 STATE "S"
A

DST

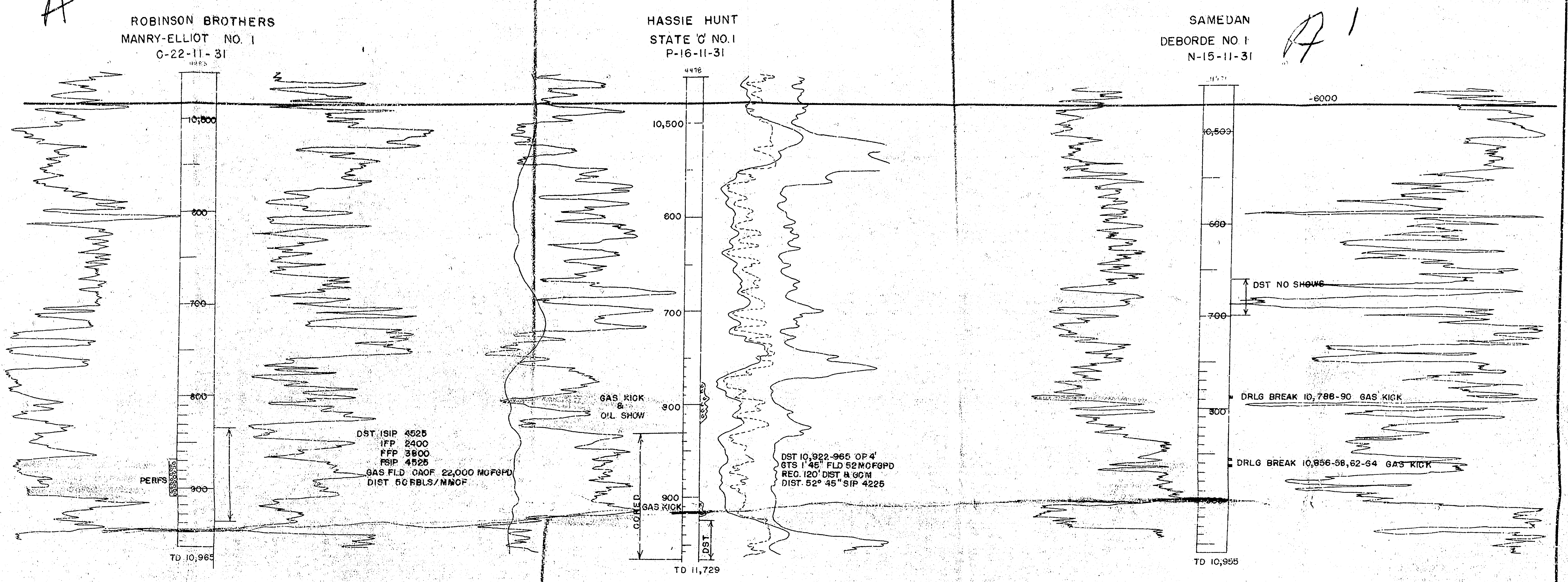
10625-876

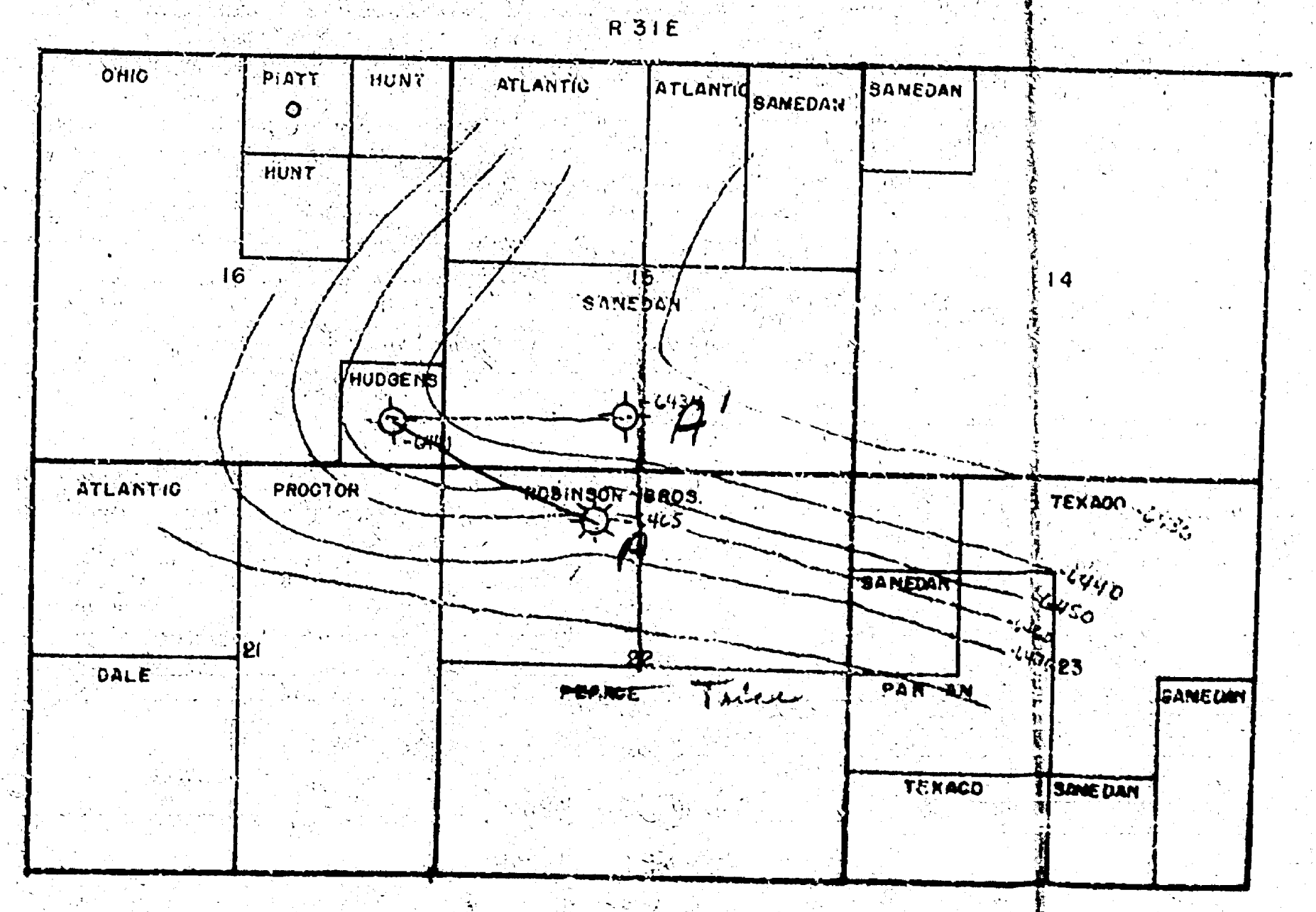
tool open 3½ hrs
gas to surf
10 minutes
no measurement,
recovered 1875 heavily
GCm

HORIZONTAL SCALE 1"=1,000'

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
Hunt EXHIBIT NO. 3
CASE NO. 2131

N.M.O.C.C. MICROGRAPHICS
BEST AVAILABLE COPY


A
ROBINSON BROTHERS
MANRY-ELLIOT NO. 1
C-22-11-31
10,500
600
700
800
900
PERFS
DST ISIP 4525
IFP 2400
FFP 3800
FSIP 4525
GAS FLD CAOF 22,000 MCFGPD
DIST 50 BBLS/MMCF
TD 10,965
HASSIE HUNT
STATE 'C' NO. 1
P-16-11-31
4416
10,500
600
700
800
900
GAS KICK & OIL SHOW
CORED
GAS KICK
DST
DST 10,922-965 OP 4'
GTS 1' 45" FLD 52 MCFGPD
REC. 120' DIST & GCM
DIST. 52° 45" SIP 4225
TD 11,729
SAMEDAN
DEBORDE NO. 1
N-15-11-31
A'
-6000
10,500
600
700
800
DST NO SHOWS
DRLG BREAK 10,788-90 GAS KICK
DRLG BREAK 10,856-58, 62-64 GAS KICK
TD 10,955

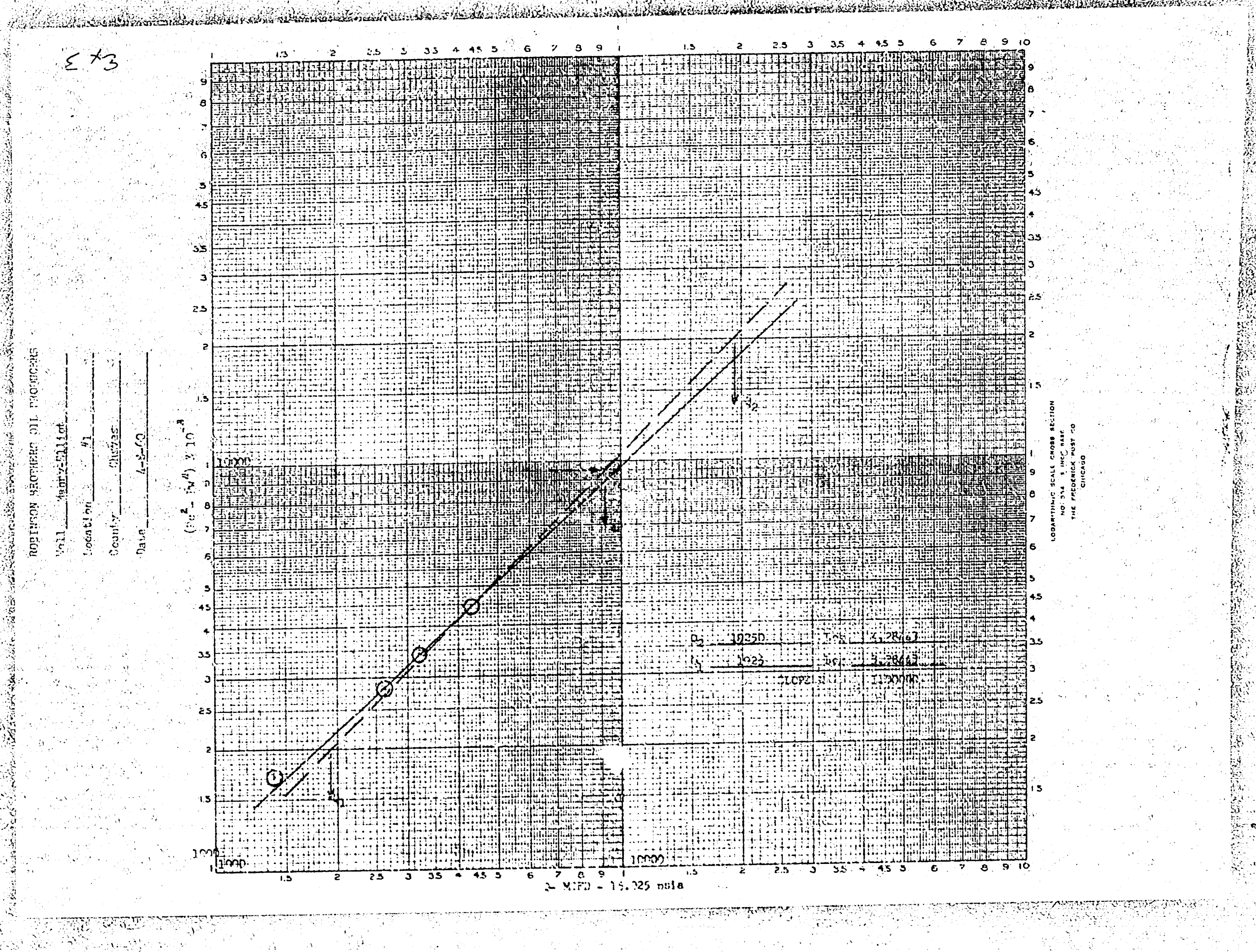

R 31 E
T 11 S
OHIO
PIATT
HUNT
ATLANTIC
ATLANTIC
SAMEDAN
SAMEDAN
HUNT
16
15
SAMEDAN
14
HUDGENS
-6441
-6434
A'
ATLANTIC
PROCTOR
ROBINSON BROS.
-6465
A
TEXACO
-6430
SAMEDAN
-6440
-6450
-6460
-6470
23
21
22
DALE
~~PEARCE~~ Tatum
PAN AM
SAMEDAN
TEXACO
SAMEDAN

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
Appl EXHIBIT NO. 2
CASE NO. 2131

Ex 2

[illegible] MICROGRAPHICS
[illegible]

Ex 3



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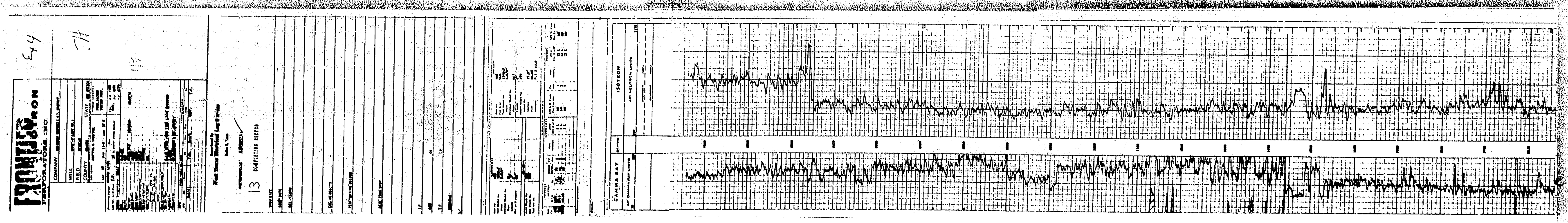
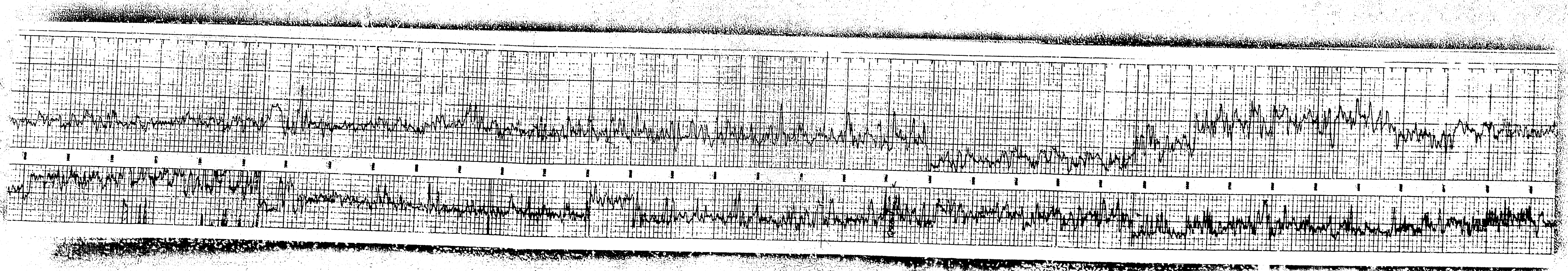

E44
71
13
FRONTIER
PERFORATORS, INC.
COMPANY
WELL
FIELD
COUNTY
STATE
ISOTRON
API NEUTRON UNITS
GAMMA RAY
API GAMMA RAY UNITS



V.S.N.C.F. MICROGRAPHICS

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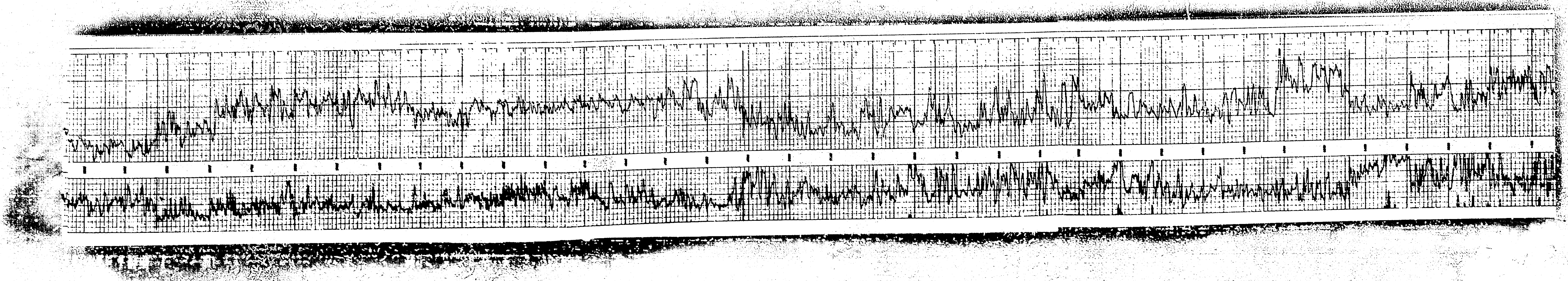

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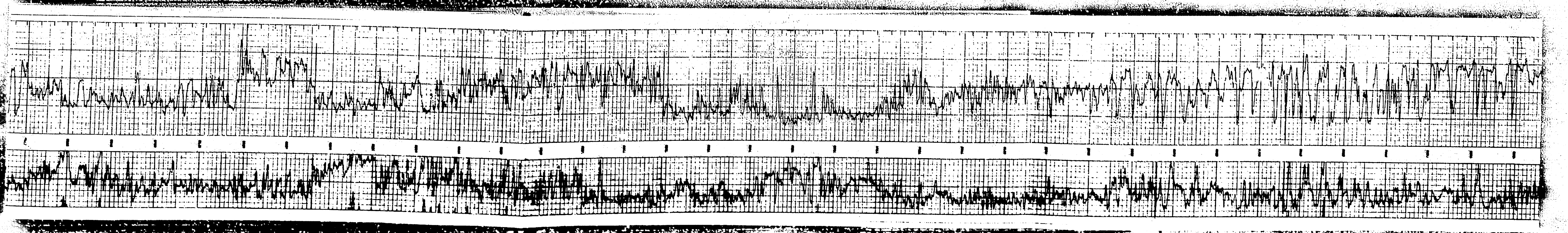

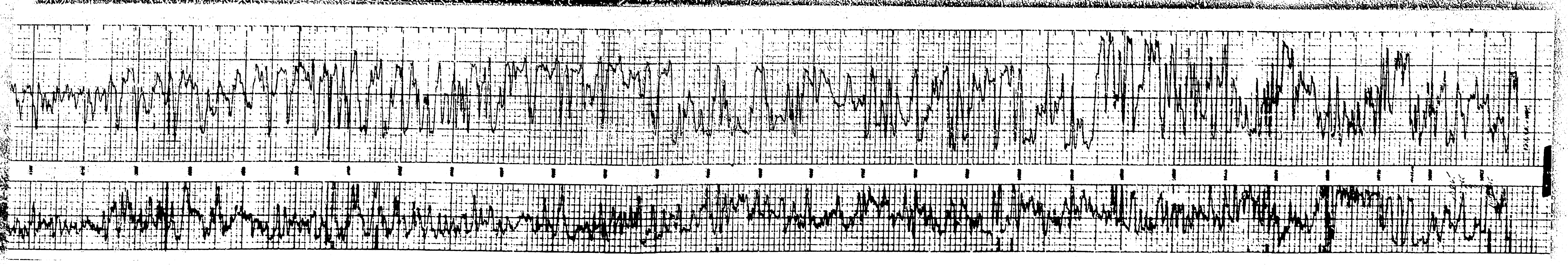

U.K.R.C P. MICROGRAPHICS

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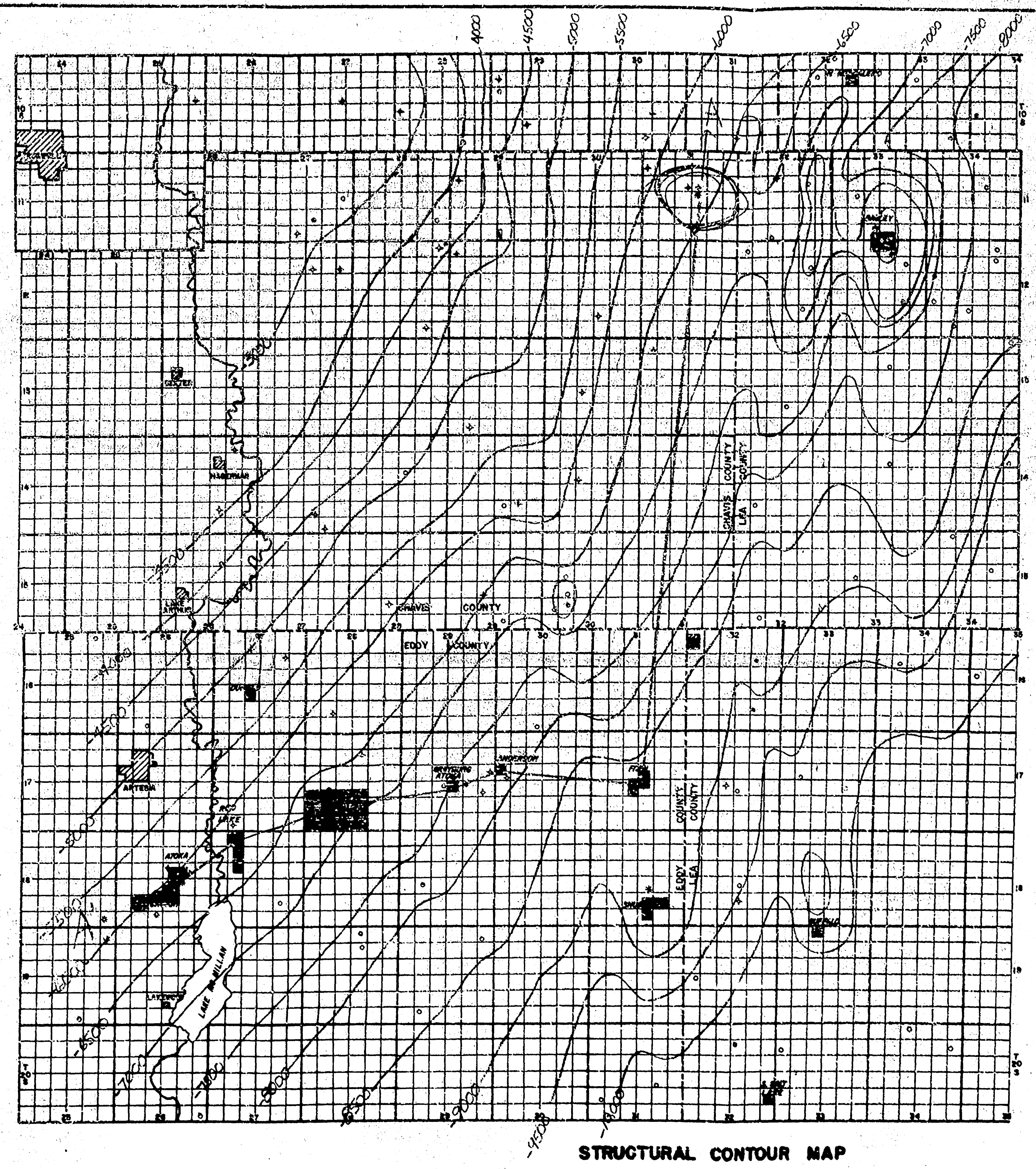

CHAVES COUNTY
EDDY COUNTY
CHAVES COUNTY
LEA COUNTY
EDDY COUNTY
LEA COUNTY
-4000
-4500
-5000
-5500
-6000
-6500
-7000
-7500
-8000
-8500
-9000
-9500
-10000

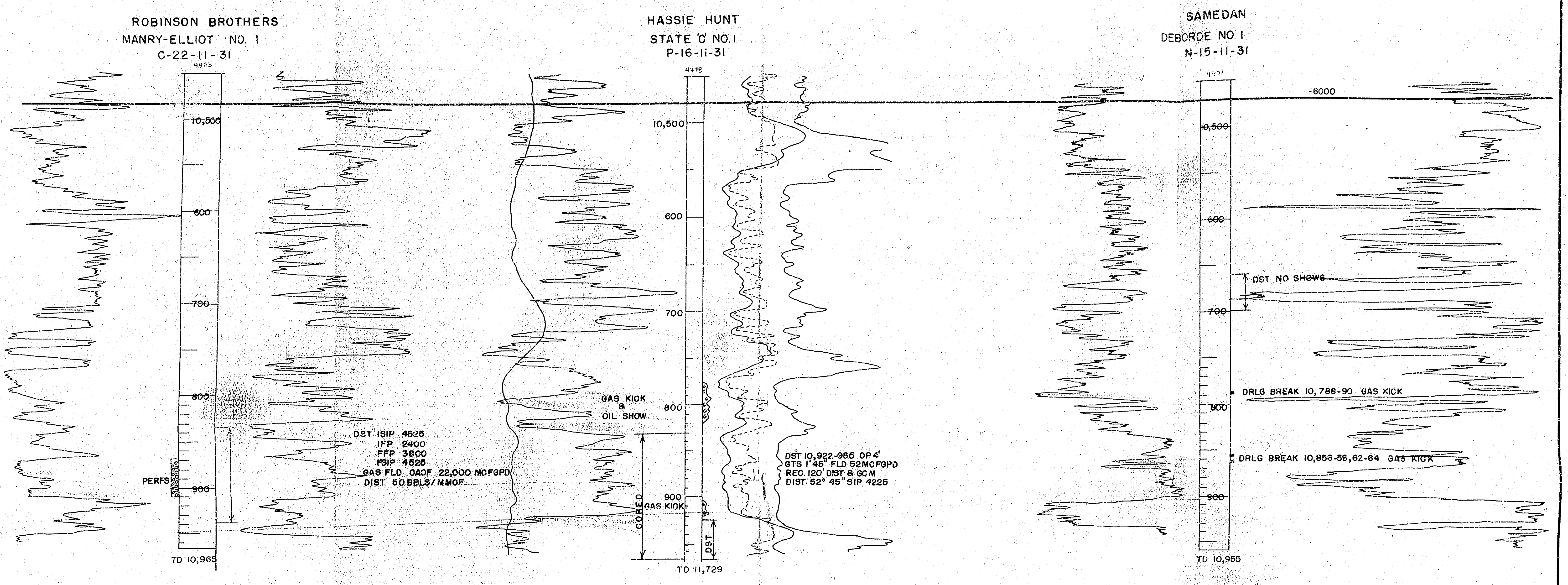
STRUCTURAL CONTOUR MAP
TOP MISS.

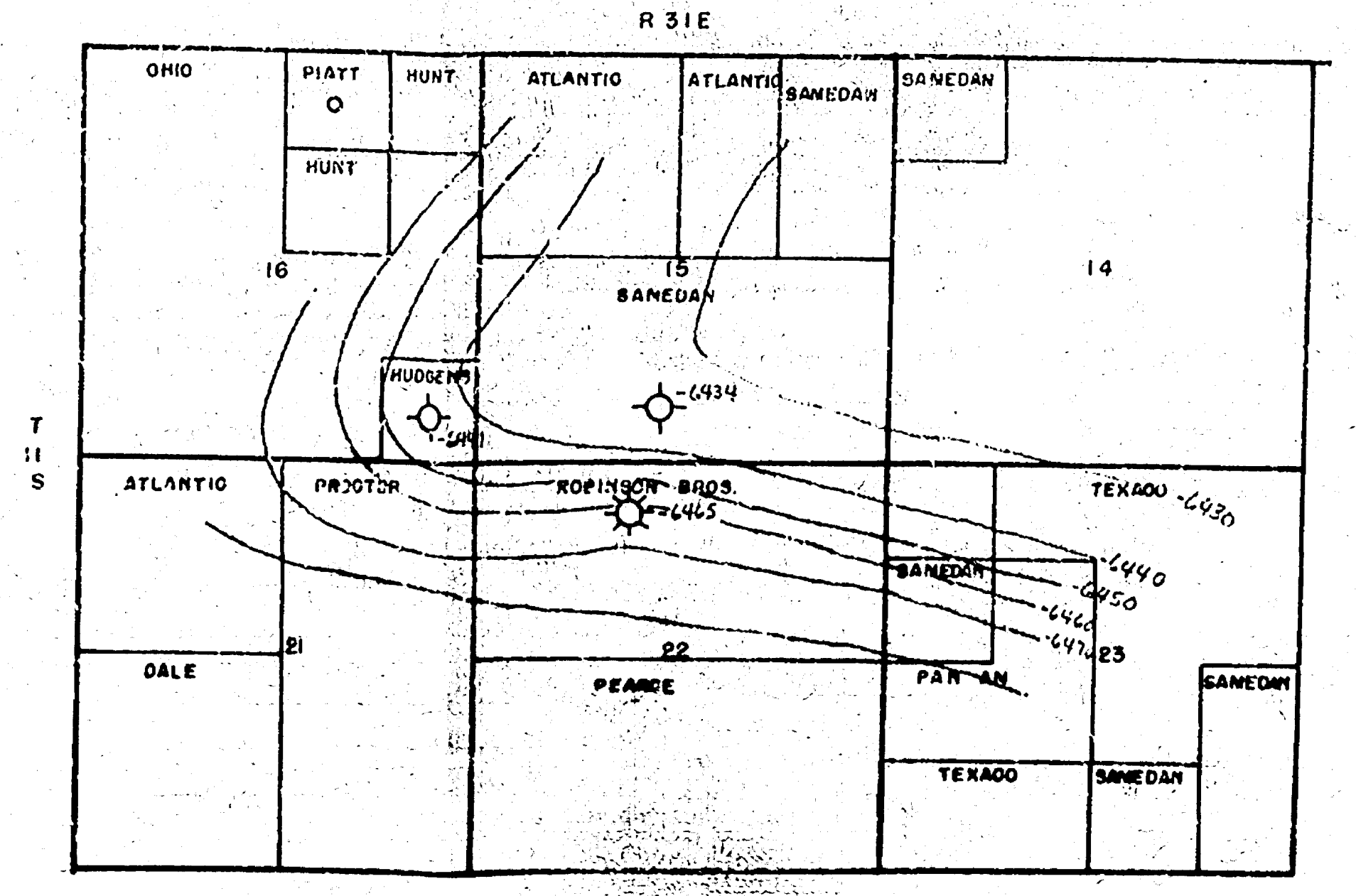
BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
Appl EXHIBIT NO. 6
CASE NO. 2134

Red = Pennsylvanian
Gas Pools

GEOLOGIST RANDALL MONTGOMERY
CONTOUR INTERVAL 500'
MAP SCALE 1/4" = 1 MILE
DATE NOV. 8, 1960

Ex 6




R 31 E
T
11
S
OHIO
PIATT
HUNT
ATLANTIC
ATLANTIC
SAMEDAN
SAMEDAN
HUNT
16
15
SAMEDAN
14
HUDGENS
-6434
-6441
ATLANTIC
PROCTOR
ROBINSON BROS.
-6465
TEXACO -6430
-6440
-6450
-6460
-6470
SAMEDAN
21
22
23
DALE
PEARCE
PAN AM
SAMEDAN
TEXACO
SAMEDAN

Ex 2

N.M.O.C.D. MICROGRAPHICS
BEST AVAILABLE COPY

Ex 4

FRONTIER ISOTRON
PERFORATORS, INC.

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 4
CASE NO.

COMPANY	ROBINSON BROTHERS OIL COMPANY
WELL	HARRY-ELLIOT NO.1
FIELD	WILDCAT
COUNTY	CHAVES STATE NEW MEXICO
LOCATION	660'FNL & 1980'FWL
	SEC. 22 TWP. 11-S RGE. 31 E
OTHER SERVICES:	PROD.PACKER TUBING PERF.

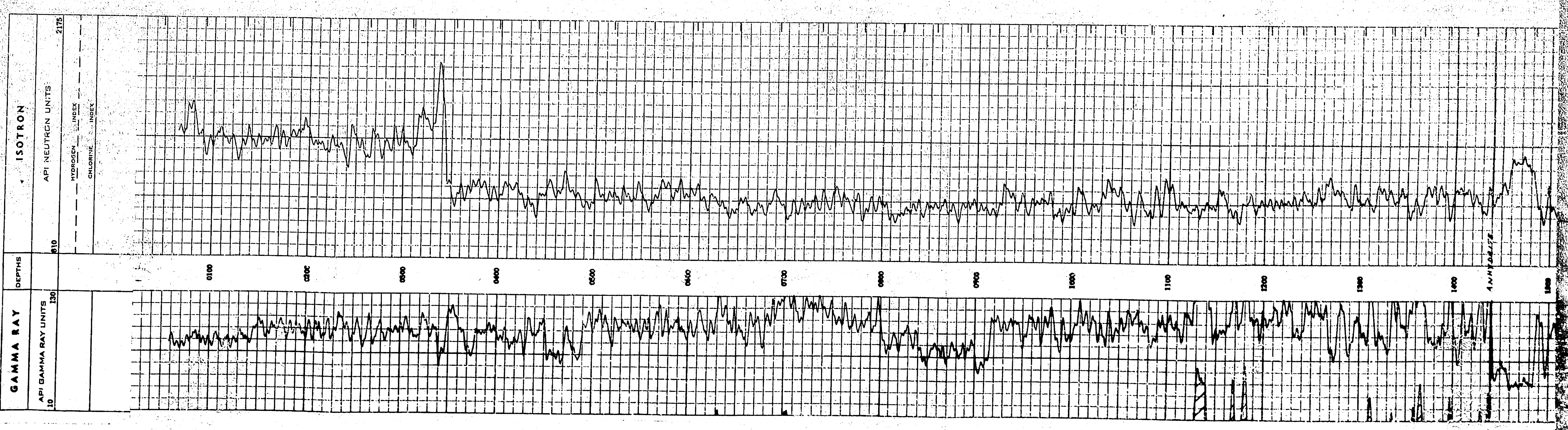
Permanent Datum: GROUND LEVEL, Elev.
Log Measured from K.B., 13 ft. above Perm. Datum
Drilling Measured from KELLY BUSHING
Elev.: EST. K.B. 4483 D.F. 4482 G.L. 4470

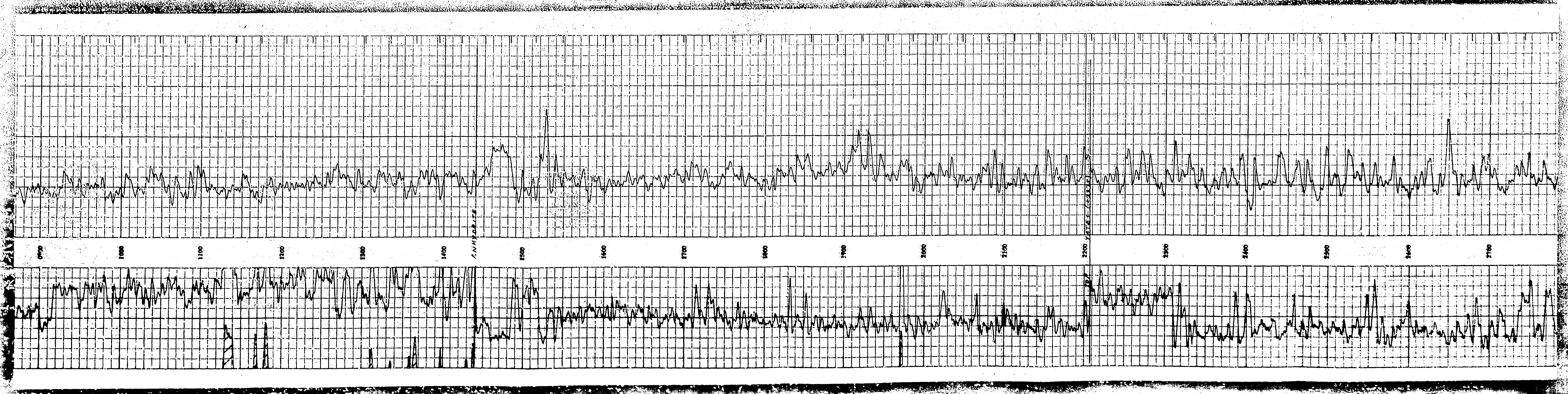
Date	3-2-60		
Run No	ONE		
Type Log	GAMMA RAY	NEUTRON:	ISOTRON
Depth Driller	10963		
Depth Logger	10965		
Bottom Logged Interval	10964		
Top Logged Interval	SURFACE		
Type Fluid in Hole	OIL		
Salinity PPM CL			
Density Lb./Gal.			
Level			
Max. Recorded Temp. Deg. F			
Opr. Rig Time	5-1/2 HOURS [illegible]		
Recorded by	J. [illegible]		
Witnessed by	[illegible] & [illegible]		

RUN NO.	BORE HOLE RECORD Bit	From	To	CASING RECORD Size	Wgt.	From	To
—	7-3/4		T.D.	5-1/2		SURF.	T.D.

THIS HEADING AND LOG CONFORMS TO API RECOMMENDED STANDARD PRACTICE RP-33

EQUIPMENT DATA





U.N.M.C.F. MICROGRAPHICS
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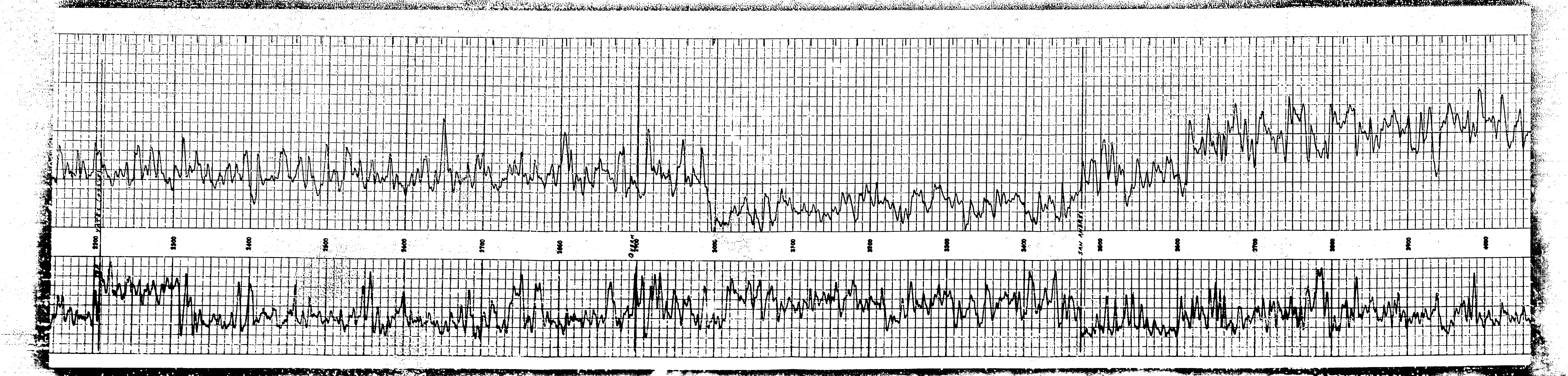

V.N.R.C.F. MICROGRAPHICS

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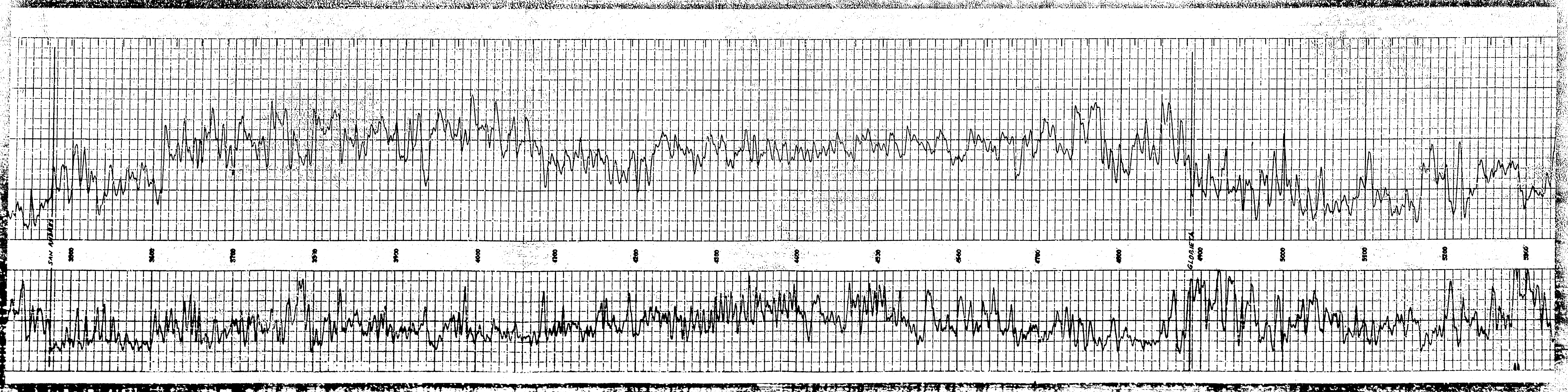

W.N.M.C.F. MICROGRAPHICS

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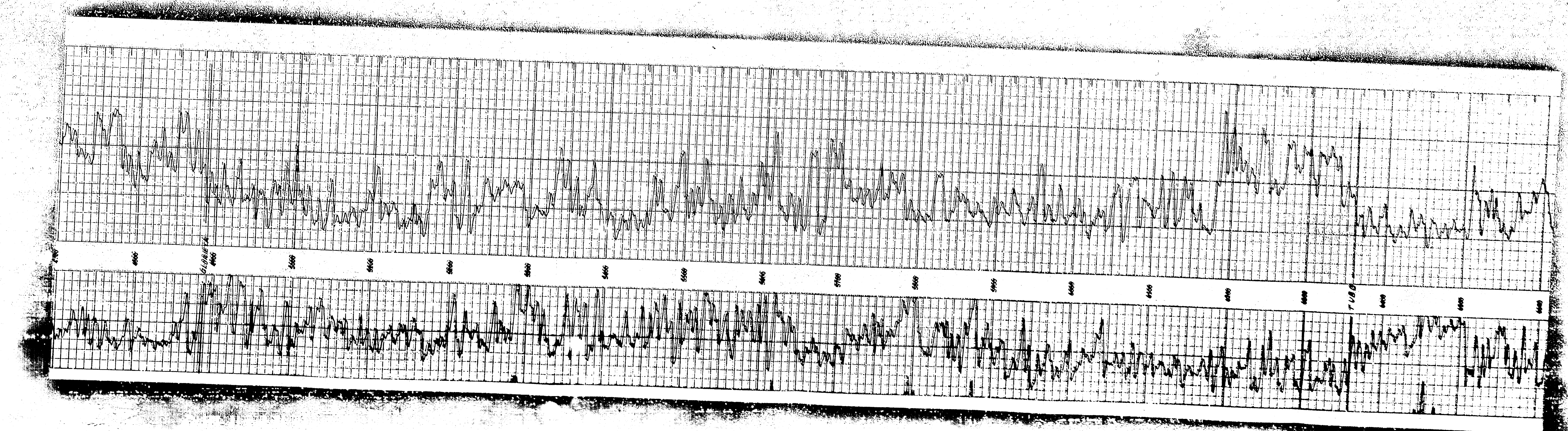
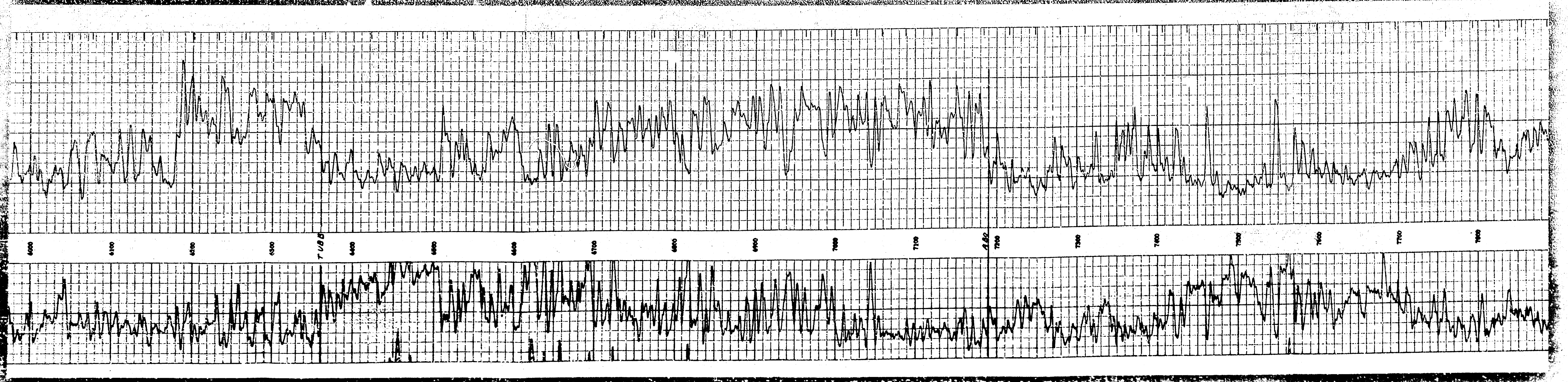

GLORIETA
TUBB



S.A.R.C.F. MICROGRAPHICS
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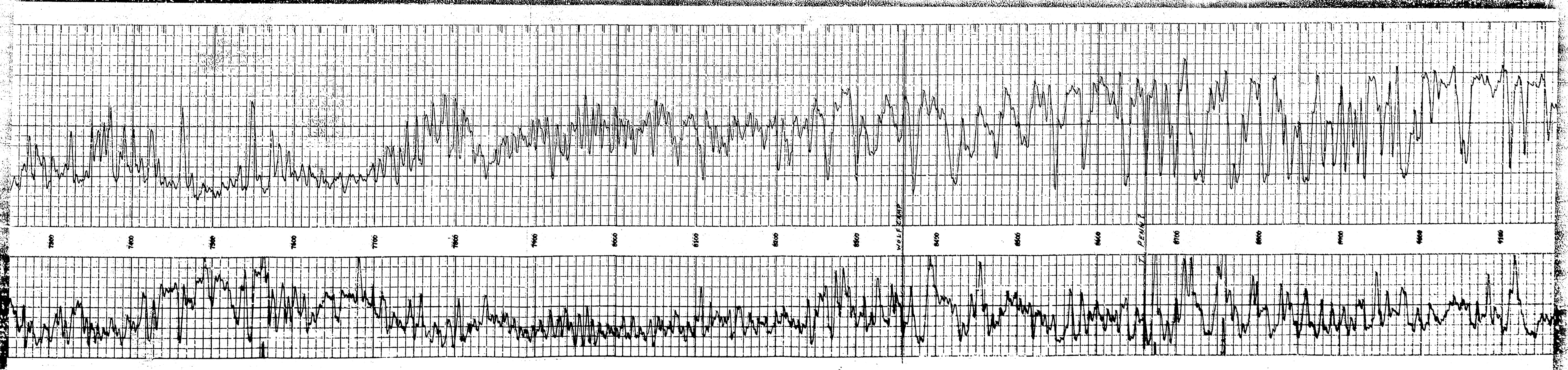

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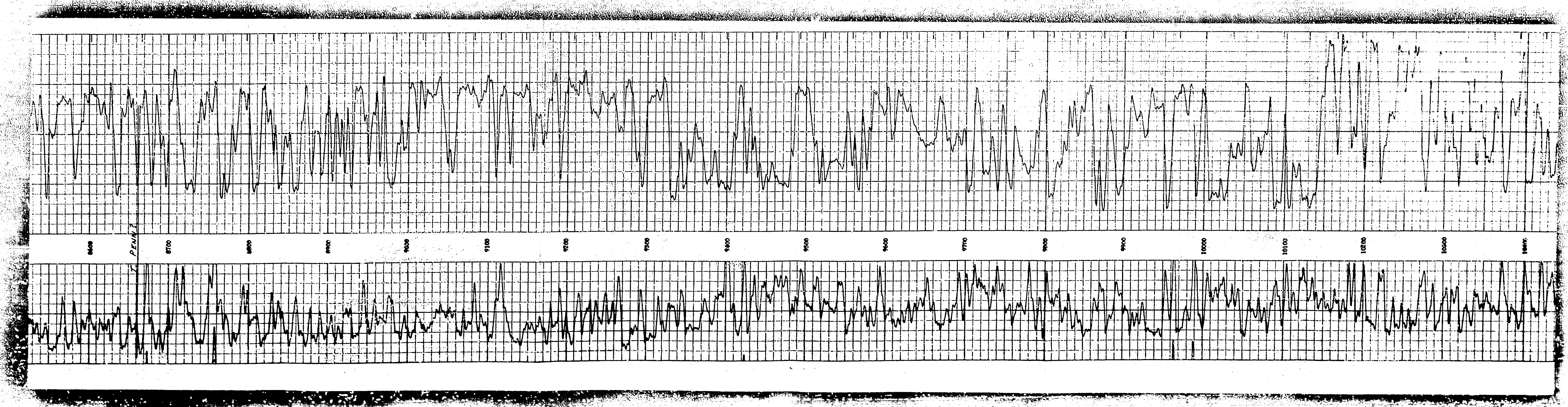

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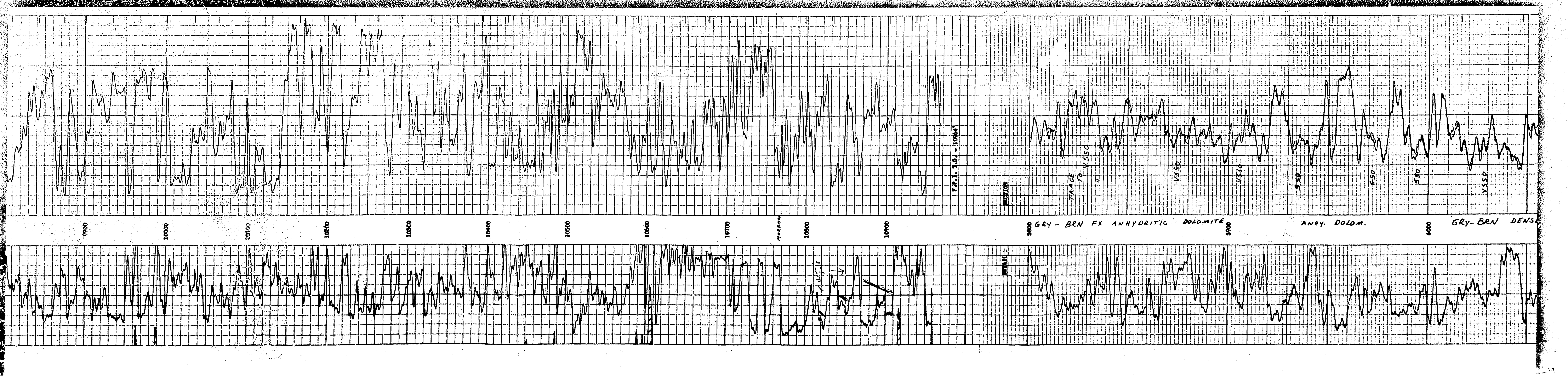

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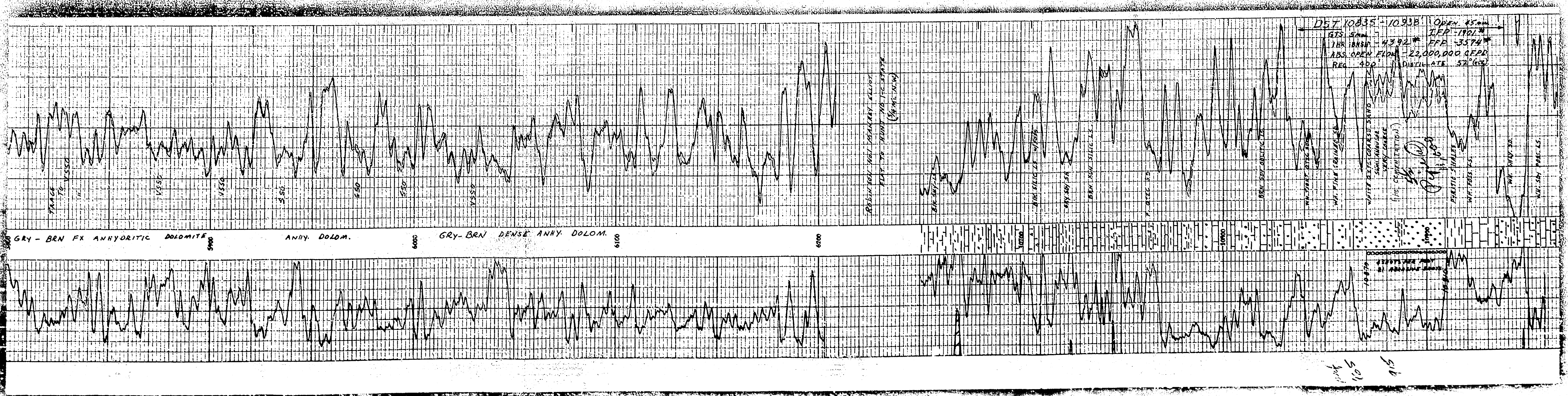

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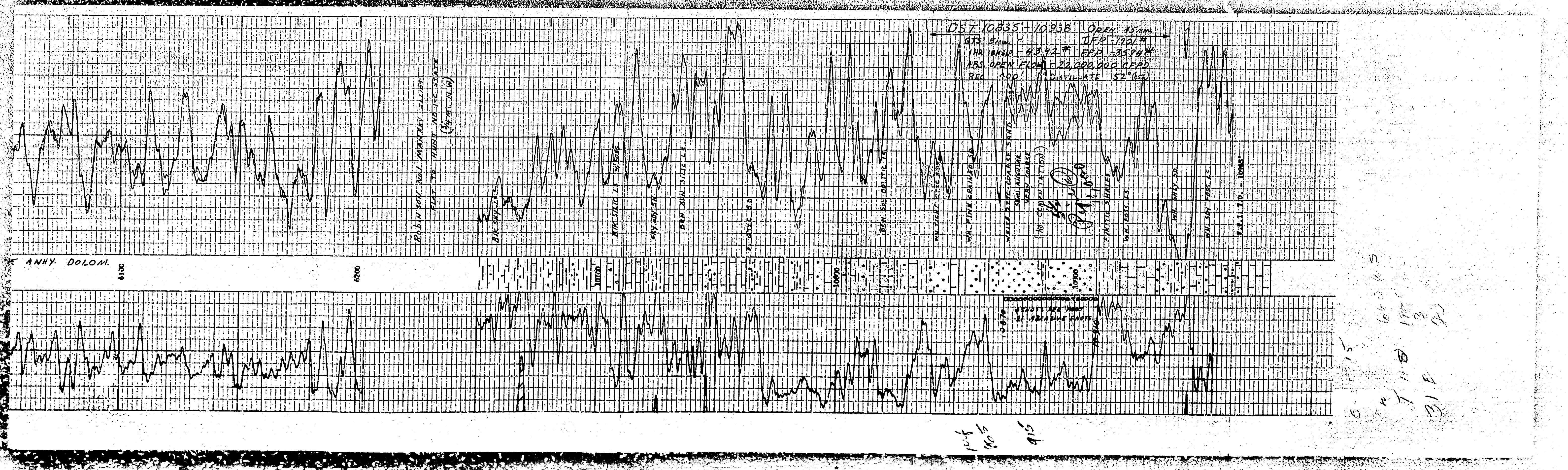

[illegible] MICROGRAPHICS
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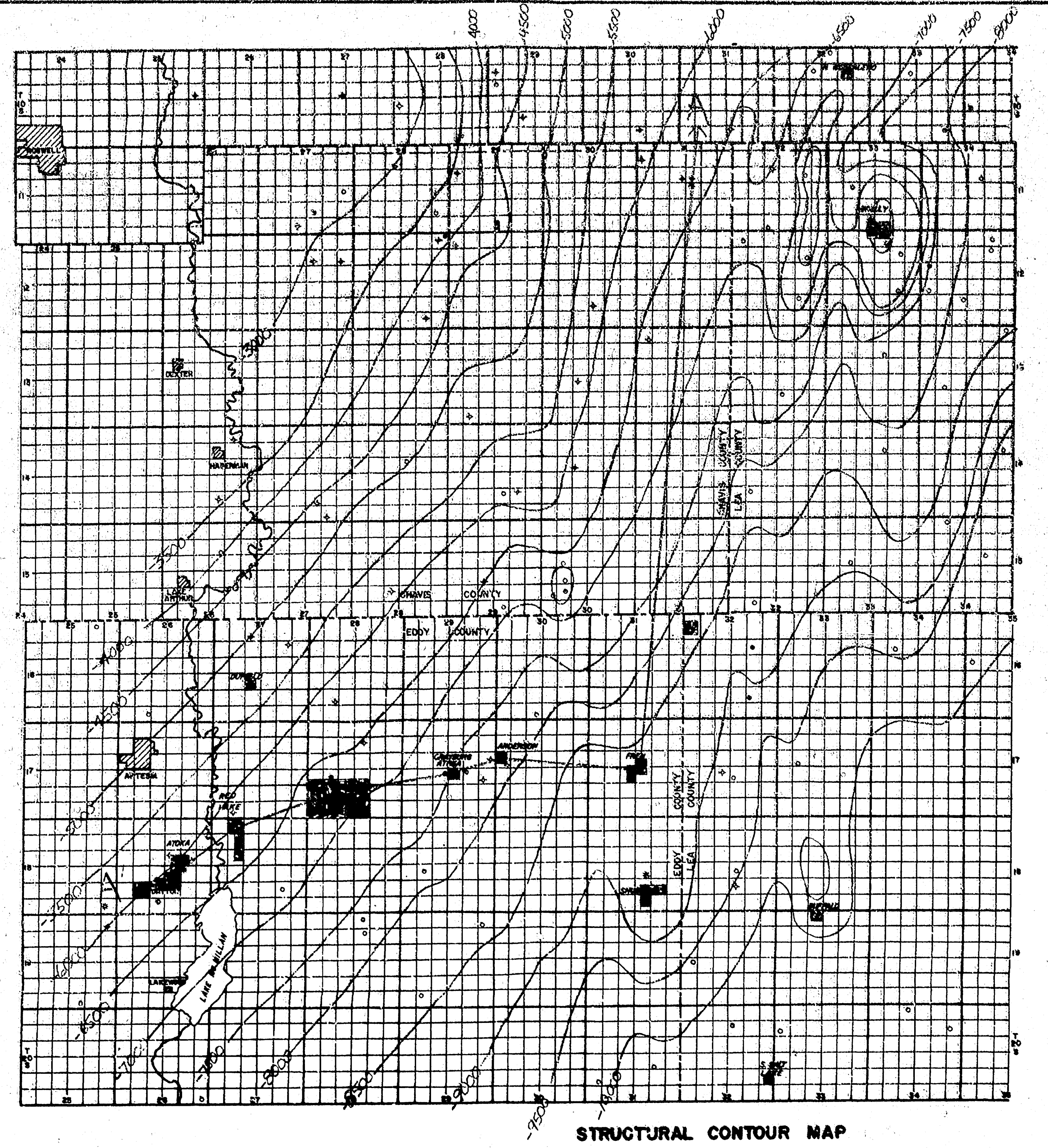
9#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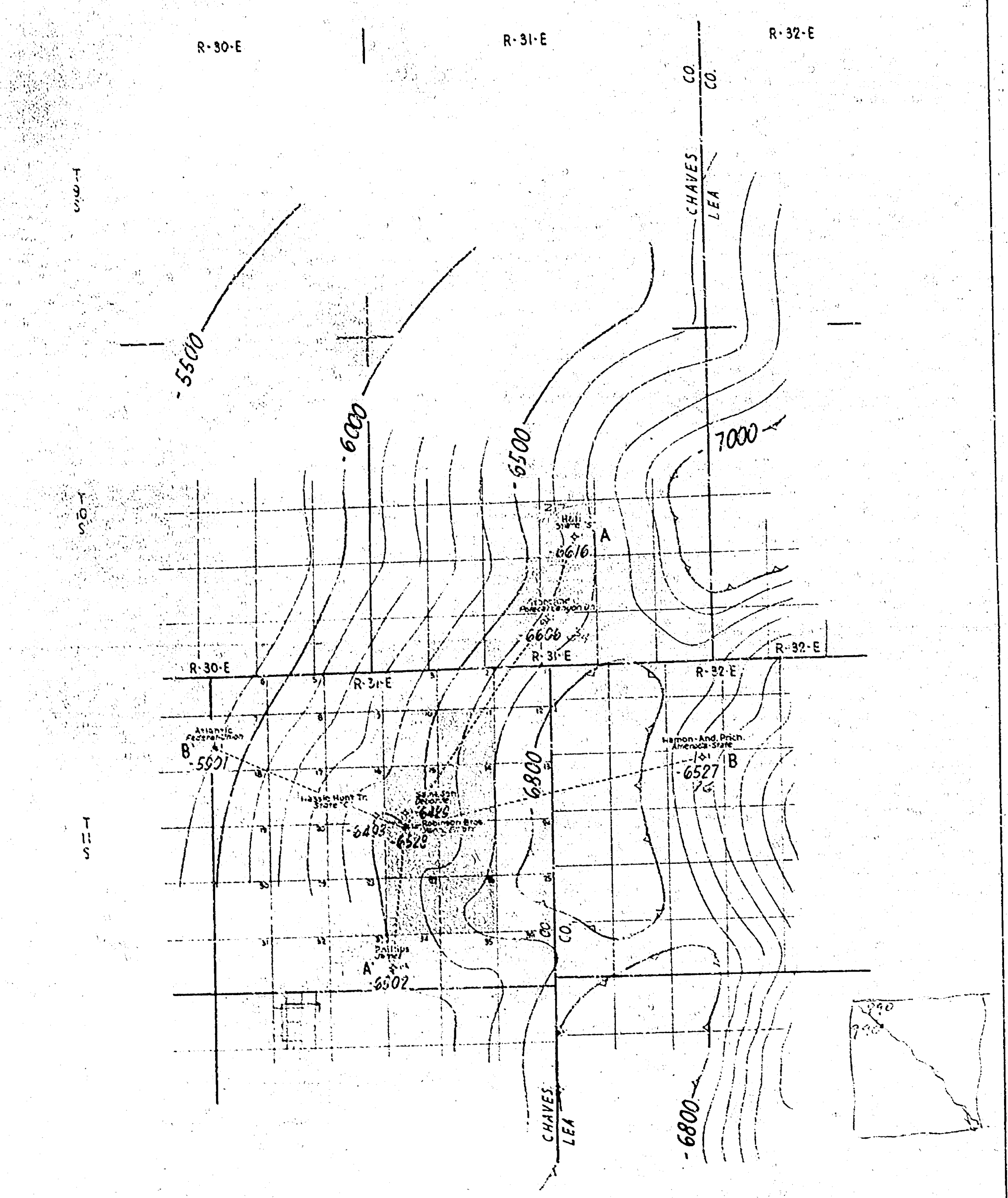
-8000
-8500
-9000
-9500
-10000
ROSWELL
DEXTER
HAGERMAN
LAKE ARTHUR
CHAVES COUNTY
EDDY COUNTY
CHAVES COUNTY
LEA COUNTY
EDDY COUNTY
LEA COUNTY
ARTESIA
ATOKA
DAYTON
RED LAKE
LAKEWOOD
LAKE McMILLAN
ANDERSON
S. SALT LAKE
T 20 S

STRUCTURAL CONTOUR MAP
TOP MISS.

GEOLOGIST *RANDALL MONTGOMERY*
CONTOUR INTERVAL 500'
MAP SCALE 1/4" = 1 MILE
DATE NOV 8, 1960

Ex 6 Case 2131

U.N.M.C.P. MICROGRAPHICS
BEST POSSIBLE COPY


R-30-E
R-31-E
R-32-E
CHAVES CO.
LEA CO.
T 10 S
T 11 S
-5500
-6000
-6500
-7000
Hull State "S"
A
-6616
Atlantic Federal-Union
B'
-5901
Hassie Hunt Tr. State "C"
-6493
Robinson Bros.
-6528
-6425
-6606
-6800
Hamon-And. Prich. America-State
B
-6527
Phillips
A'
-6502
CHAVES
LEA
-6800

PORTION OF CHAVES & LEA COS., NEW MEXICO
SHOWING PROPOSED 640 AC. GAS UNITS FOR MORROW SAND
DATUM : T/MISSISSIPPIAN
SCALE : 1" = 8000' C.I.=100'

Hunt Ex 2
Cs 2131