Case No. 1092

Large Exhibits

RIO ARRIBA & SANDOVAL COUNTIES
NEW MEXICO
JUNE 1956

LEWIS | PICTURED CLIFFS

MESAVERDE

MANCOS

PICTURED CLIFFS

LEWIS SHALE

CHACRA MEMBER

LA VENTANA MEMBER

ALLISON – GIBSON MEMBER

MANCOS

N 1762 G Sh. 4.9 MILES 1904 Ss. 5 MILES 1571 Sh. 7 MILES 1850 G Sh. 12 MILES 1880 G Sh. 10 MILES 1980 G Sh. 8 MILES 1900 G Sh. 8 MILES S

W.N.M.C.F. MICROGRAPHICS

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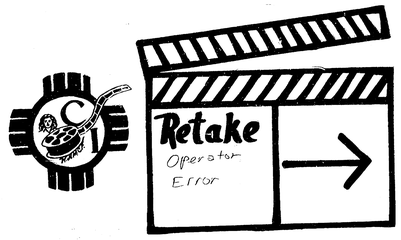
THE PRECEDING DOCUMENTS WERE REFILMED DUE TO:
A MALFUNCTION IN FILMING



W.N.M.C.F. MICROGRAPHICS

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Case NO.

1092

Large Exhibits

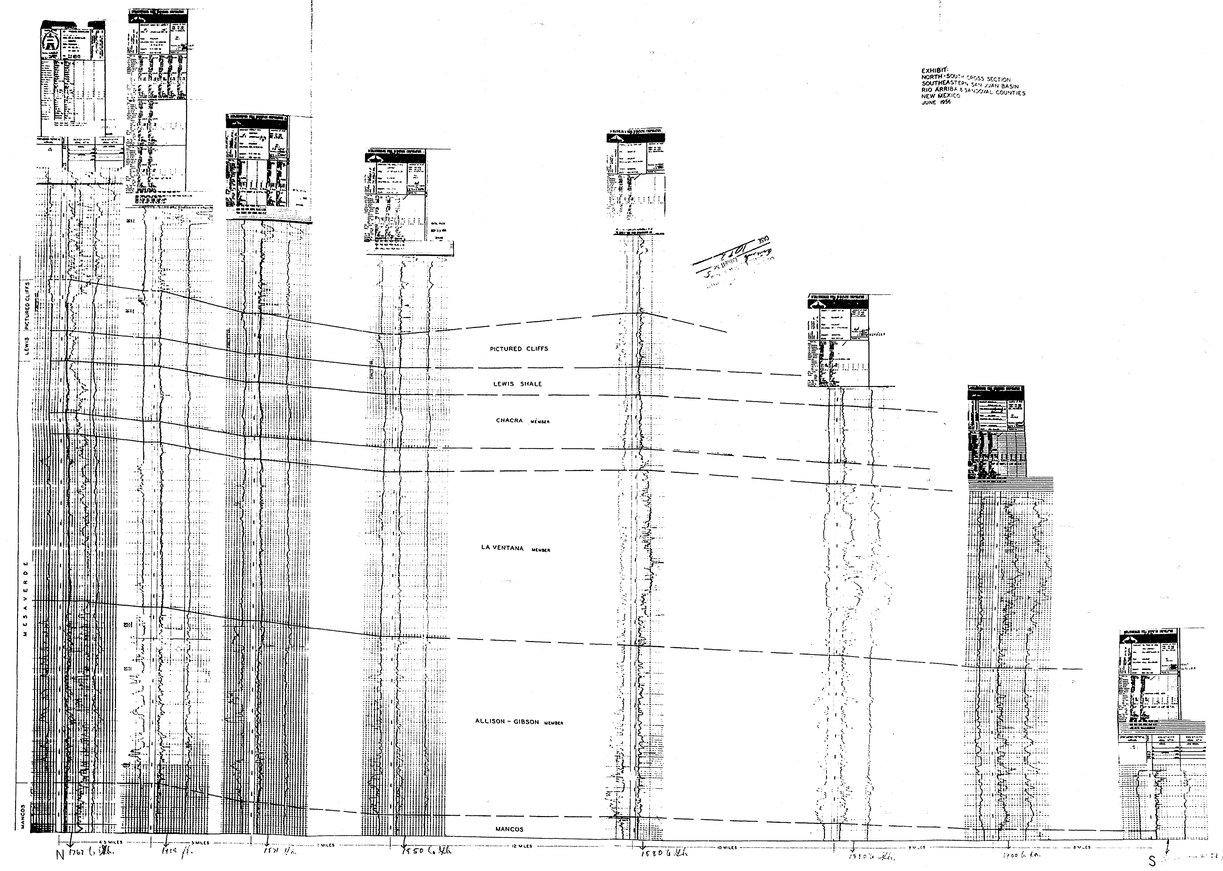

EXHIBIT:
NORTH-SOUTH CROSS SECTION
SOUTHEASTERN SAN JUAN BASIN
RIO ARRIBA & SANDOVAL COUNTIES
NEW MEXICO
JUNE 1956

N.M.O.C.C. MICROGRAPHICS

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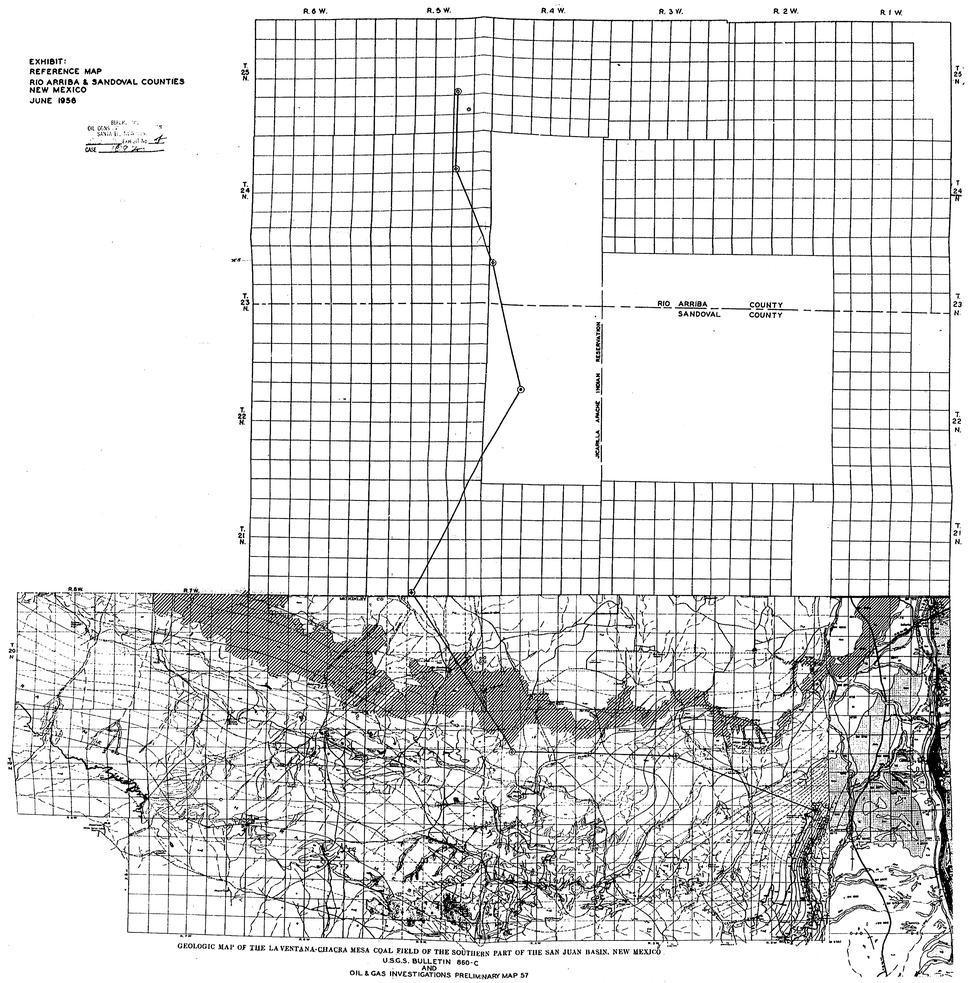
EXHIBIT:
REFERENCE MAP
RIO ARRIBA & SANDOVAL COUNTIES
NEW MEXICO
JUNE 1956

BLM, ST. LS
OIL GAS & MINERAL SURVEY
DATE 6-6-56



GEOLOGIC MAP OF THE LA VENTANA-CHACRA MESA COAL FIELD OF THE SOUTHERN PART OF THE SAN JUAN BASIN, NEW MEXICO
U.S.G.S. BULLETIN 860-C
AND
OIL & GAS INVESTIGATIONS PRELIMINARY MAP 57

W.S.H.C.F. HICROGRAPHICS

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SCHLUMBERGER WELL SURVEYING CORPORATION

SCHLUMBERGER

Electrical Log

COMPANY AMERADA PETROLEUM CORPORATION

WELL JICARILLA APACHE A #4

FIELD WILDCAT

LOCATION SEC. 26-25N-3W

COUNTY RIO ARRIBA

STATE NEW MEXICO

Location of Well: 990' FR S/L, 990' FR E/L, SEC. 26-25N-3W

E5 (NE)

Elevation DF 6351, KB 6362, or GL 6342

FILING No.

COUNTY RIO ARRIBA — LOCATION WILDCAT — WELL JICARILLA APACHE A #4 — FIELD WILDCAT — COMPANY AMERADA PETROLEUM CORPORATION

RUN No.	ONE
Date	5-6-56
First Reading	3990
Last Reading	207
First Measured	3773
Csg. Schlum.	207
Csg. Driller	205
Depth Reached	3981
Bottom Driller	3996
Depth Datum	KB
Mud Type	OIL EMULSION
Density	8.9
Viscosity	68
Resist.	6.1@ 68 F
Res. BHT	3.3@ 111 F
pH	--
Wtr. Loss	-- cc 30 min
Max. Temp. F	111
Bit Size	7 7/8"
Spacing—AM	16"
AN	64"
AO	18'6"
Opr. Rig Time	
Truck No.	1786 FARM
Recorded By	MONTGOMERY
Witnessed By	VON GOTSCHE

BEFORE RUN: OIL (BBLS.) —, WATER (BBLS.) —, GAS 1672

REMARKS: RUN ONE MIN FROM CSG SHOE

RESISTIVITY -ohms. m²/m — NORMAL 100 / 1000 — LONG NORMAL

RESISTIVITY -ohms. m²/m — NORMAL 100 / 1000 — LATERAL 100 / 1000 — AMP. NORMAL 20

DEPTHS 1:100 — 1:500

SPONTANEOUS POTENTIAL millivolts — 10 / Div.

AMP. NORMAL

0200 0300 0400 0500 0600 0700 0800 0900 1000 100 1200 1300 1400 1500 1600 1700 1800 1900

W.N.M.C.F. MICROGRAPHICS

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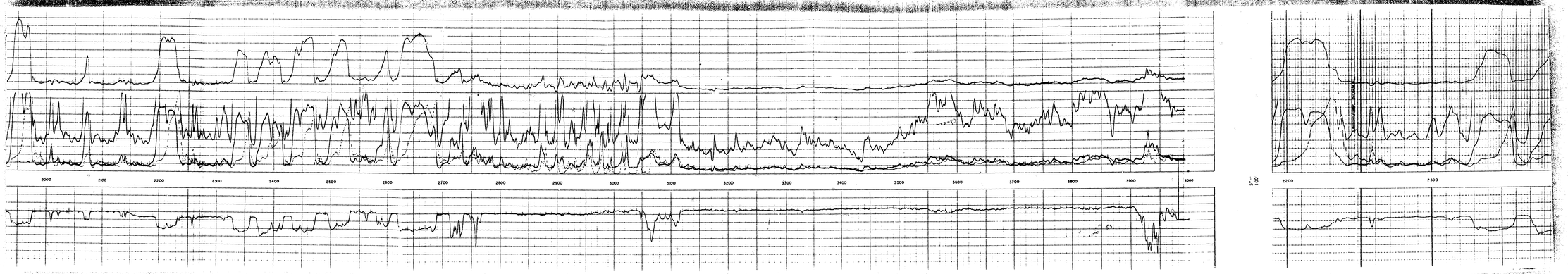

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W.V.H.C.F. MICROGRAPHICS

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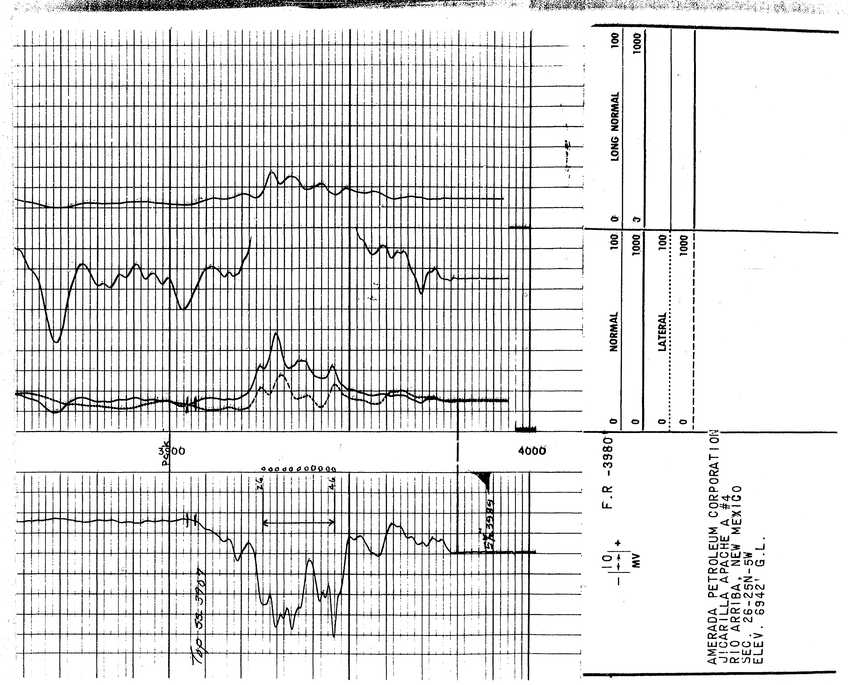

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Case NO.

1093

Large Exhibits

W.N.M.C.F. MICROGRAPHICS

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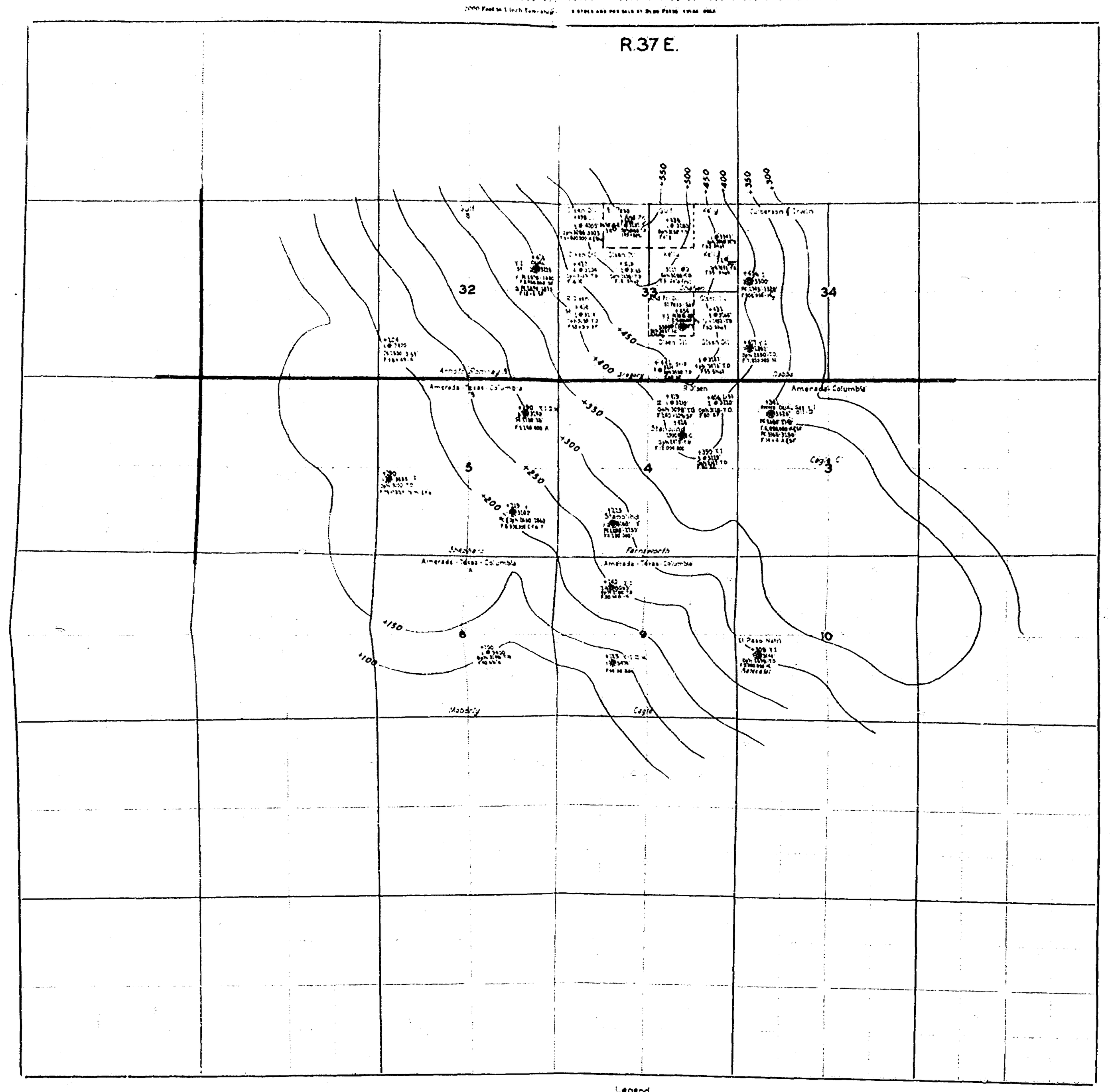
TOWNSHIP 25 & 26 S. RANGE 37 E. LEA COUNTY, STATE OF NEW MEXICO



Legend

Y. - Yates
I - 1st Seven Rivers
II - 2nd Seven Rivers
St. - Stuart
P. - Penrose

TOP ZONE I.
CONTOUR INTERVAL - 50'
SCALE 1" = 2000'

BEFORE THE OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO EXHIBIT No. 3 CASE 1043

FORM ... REVISED J. WALLACE — THIS FORM CONFORMS TO API RP 31

RADIOACTIVITY LOG
WELEX JET SERVICES, Inc.

LICENSED BY: WELL SURVEYS, INC. FILE NO.

Location of Well

BEFORE THE OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO EXHIBIT No. 3 CASE 1043

COMPANY AMERADA PETROLEUM CORPORATION
WELL C. C. CAGLE "C" NO. 1
FIELD LANGLIE - MATTIX
COUNTY LEA STATE NEW MEXICO
LOCATION 990' FWL & 990' FNL OF SEC. 3
T - 26 - S, R - 37 - E.

COMPANY AMERADA PETROLEUM CORPORATION
WELL C. C. CAGLE "C" NO. 1
FIELD LANGLIE - MATTIX
COUNTY LEA STATE NEW MEXICO
LOCATION 990' FWL & 990' FNL OF SEC. 3, T - 26 - S, R - 37 - E.

LOG MEAS. FROM TOP ROTARY TABLE ELEV. 3004'
DRLG. MEAS. FROM TOP ROTARY TABLE ELEV. 3004'
PERM. DATUM GROUND LEVEL ELEV. 2993'

TYPE OF LOG	GAMMA RAY	NEUTRON		
RUN NO.	- 1 -	- 1 -		
DATE	5/8/56	5/8/56		
JOB NO.	268-484 &	528-690		
TOTAL DEPTH (DRILLER)	3308	3308		
EFFECTIVE DEPTH (DRILLER)	3308	3308		
TOTAL DEPTH (R/A LOG)	3307	3307		
TOP OF LOGGED INTERVAL	50	50		
BOTTOM OF LOGGED INTERVAL	3296	3305		
TYPE OF FLUID IN HOLE	OIL	OIL		
FLUID LEVEL	220	220		
MAXIMUM RECORDED TEMPERATURE				
NEUTRON SOURCE STRENGTH & TYPE		600 M		
SOURCE SPACING—IN.		3.75		
LENGTH OF MEASURING DEVICE—IN.	30	9.1		
O.D. OF INSTRUMENT—IN.	3 5/8	3 5/8		
TIME CONSTANT—SECONDS	4.7	4.0		
LOGGING SPEED FT./MIN. 2" -	20-40	20-40		
5" -	20	20		
STATISTICAL VARIATION—IN.	0.35	0.35		
SENSITIVITY REFERENCE	274	275		
RECORDED BY	WILLIS	WILLIS		
WITNESSED BY	MR. MAULDEN			

CASING RECORD

SIZE—INS	WT.—LB	INTERVAL FROM WELL RECORD	FROM R/A LOG
8 5/8		0 To 227'	To
5 1/2	J-15	0 To 3314'	To
		To	To
		To	To

BORE HOLE

BIT SIZE INS.	INTERVAL FROM WELL RECORD	FROM R/A LOG
12 1/4	To	To
7 7/8	To	To
	To	To
	To	To

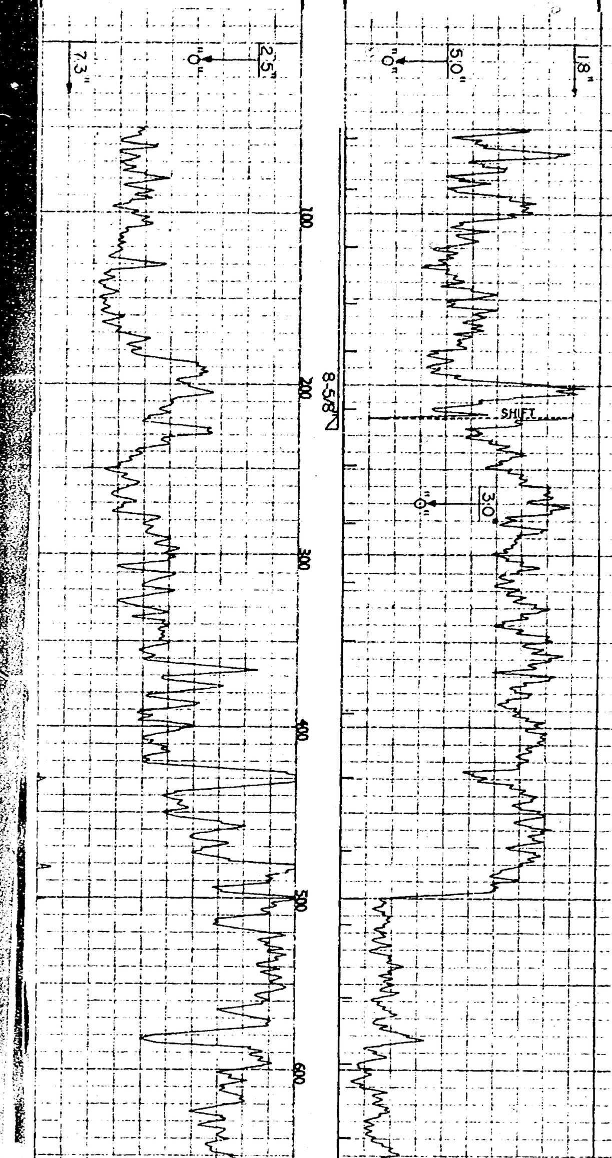
REMARKS OR OTHER DATA

"C 209 NEUTRON CHAMBER USED - SENSITIVITY SHOWN IS BOTTLE SENSITIVITY"

GAMMA RAY — RADIATION INTENSITY INCREASES →

CASING & COLLAR LOG DEPTH

NEUTRON — RADIATION INTENSITY INCREASES →



W.N.M.C.F. MICROGRAPHICS

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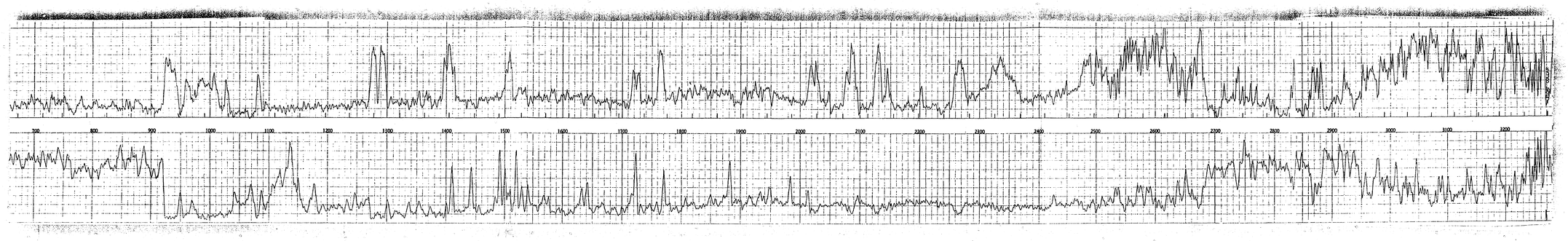

M.S.H.C.P. HISTOGRAPHICS

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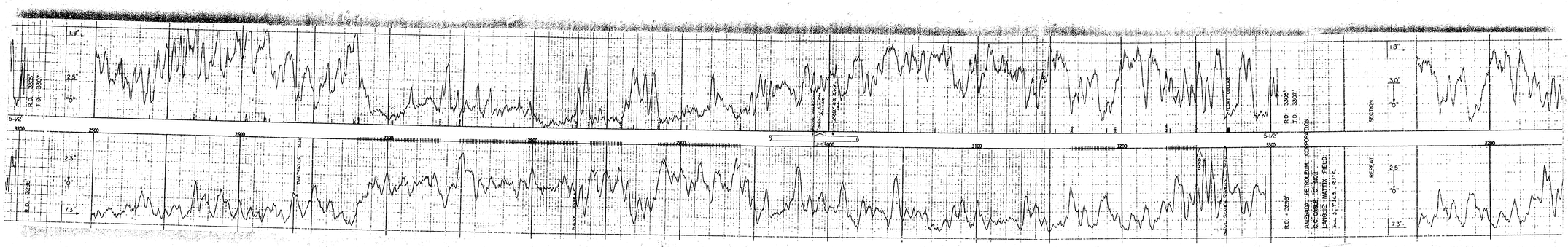

U.S.G.S. PHOTOGRAPHICS

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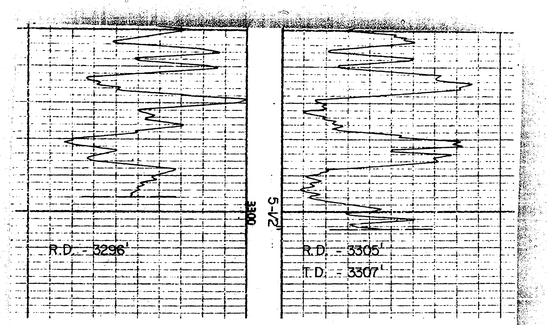

W.N.M.C.F. MICROGRAPHICS

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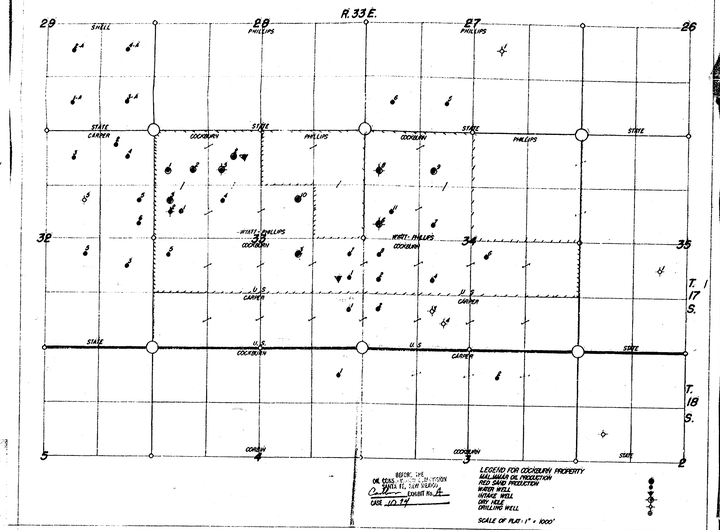
Case NO.

1094

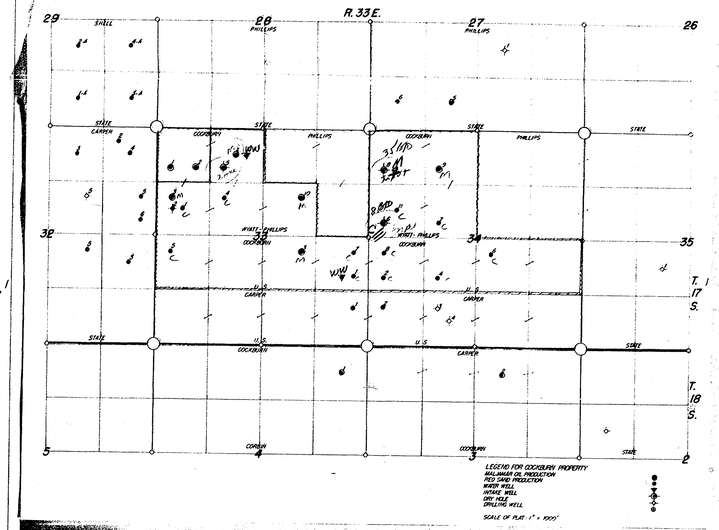
Large Exhibits

PLAT OF COCKBURN OIL PROPERTY
SHOWING ADJACENT LOCATIONS

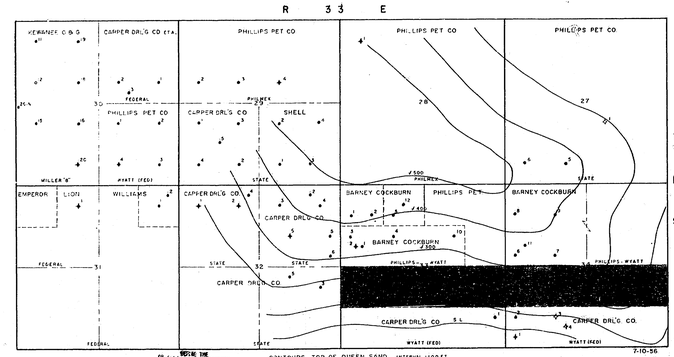


BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
Case Exhibit No. 4
CASE NO. 14

PLAT OF COCKBURN OIL PROPERTY
SHOWING ADJACENT LOCATIONS



R 33 E



SCALE 4" = 1 MILE

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
Case Exhibit No. 12
CASE NO. 1094

CONTOURS TOP OF QUEEN SAND INTERVAL =100 FT

7-10-56
CRW

W.R.H.C.F. MICROGRAPHICS

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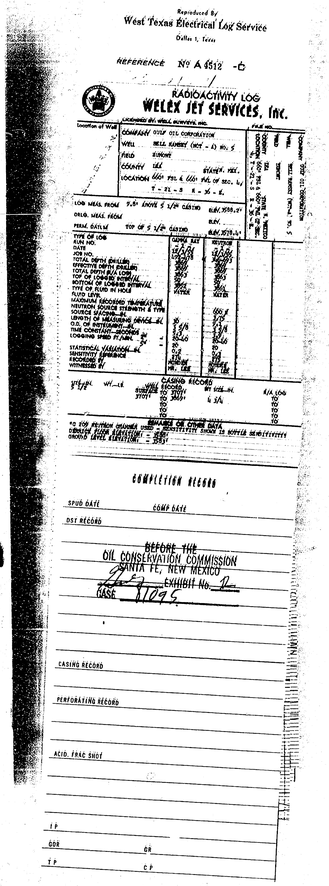
Case No.

1095

Large Exhibits



Reproduced by
West Texas Electrical Log Service
Dallas 1, Texas

REFERENCE No. A 6512 -C

RADIOACTIVITY LOG
WELEX JET SERVICES, Inc.

COMPANY TEXAS OIL CORPORATION
WELL MELL KENNEY (NCT - 1) NO. 5
FIELD EUNICE
COUNTY LEA STATE N. MEX.
LOCATION 660 FSL & 660 FWL OF SEC. 4
T - 22 - S R - 36 - E

LOG MEAS. FROM T.P. ENDS 5 1/2" CSTNG ELEV. 3599.2'
DRLG. MEAS. FROM ELEV.
PERM. DATUM TOP OF 5 1/2" CSTNG ELEV. 3579.4'

	RUN NO. ONE		
TYPE OF LOG	GAMMA RAY	NEUTRON	
RUN NO.	ONE	ONE	
DATE	12-8-54	12-8-54	
JOB NO.	12-8-54	12-8-54	
TOTAL DEPTH DRILLER	3900	3900	
EFFECTIVE DEPTH DRILLER	3900	3900	
TOP OF CASING REF. LOG	3579	3579	
TOP OF LOGGED INTERVAL	3579	3579	
BOTTOM OF LOGGED INTERVAL	3900	3900	
TYPE OF FLUID IN HOLE	WATER	SALT WATER	
FLUID LEVEL		FULL	
MAXIMUM RECORDED TEMPERATURE			
POSITION SOURCE STRENGTH & TYPE		600 M	
POSITION DETECTOR		3 5/8	
LENGTH OF DETECTOR SPACE IN.	18	18	
O.D. OF INSTRUMENT IN.	2 1/8	2 1/8	
TIME CONSTANT - SECONDS	3	3	
LOGGING SPEED FT./MIN.	30	30	
STATISTICAL VARIATION - %	20	20	
SENSITIVITY REFERENCE	1.0	1.0	
RECORDED BY	WILLIAMS	WILLIAMS	
WITNESSED BY	MR. TAYLOR	MR. TAYLOR	

CASING RECORD

WELL	SIZE	WT. - LB.	GR. SIZE - IN.	BTM. LOG
SURFACE RECORD	10 3/4"			152
PRODUCTION RECORD	5 1/2"		4 3/4	3900

REMARKS OR OTHER DATA
SURFACE RECORD CEMENTED WITH 150 SACKS REGULAR CEMENT
PRODUCTION RECORD CEMENTED WITH 1000 SACKS REGULAR CEMENT
GROUND LEVEL ELEVATION - 3587'

COMPLETION RECORD

SPUD DATE COMP. DATE
DST RECORD

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
EXHIBIT No. 1
CASE 1095

CASING RECORD
PERFORATING RECORD
ACID, FRAC SHOT
I P
GOR GR
T P C P

W.N.M.C.P. MICROGRAPHICS

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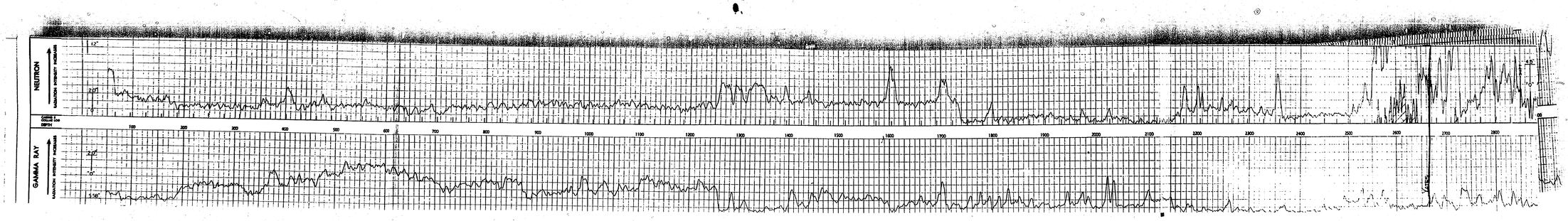

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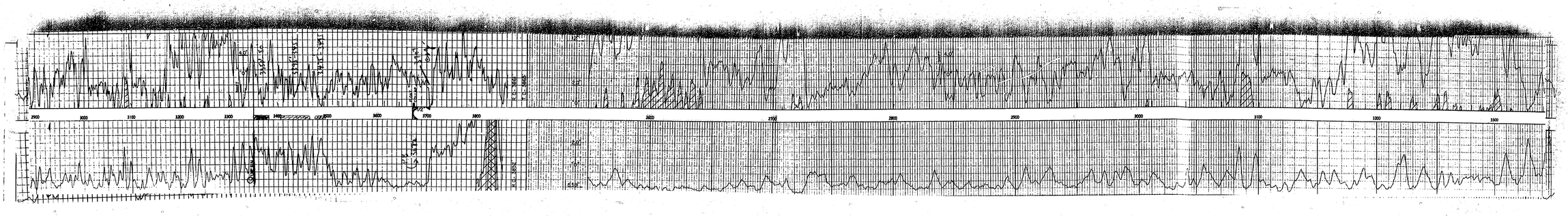

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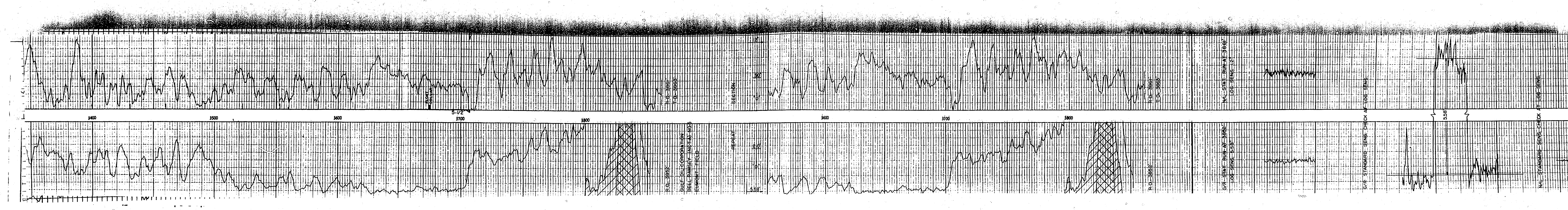

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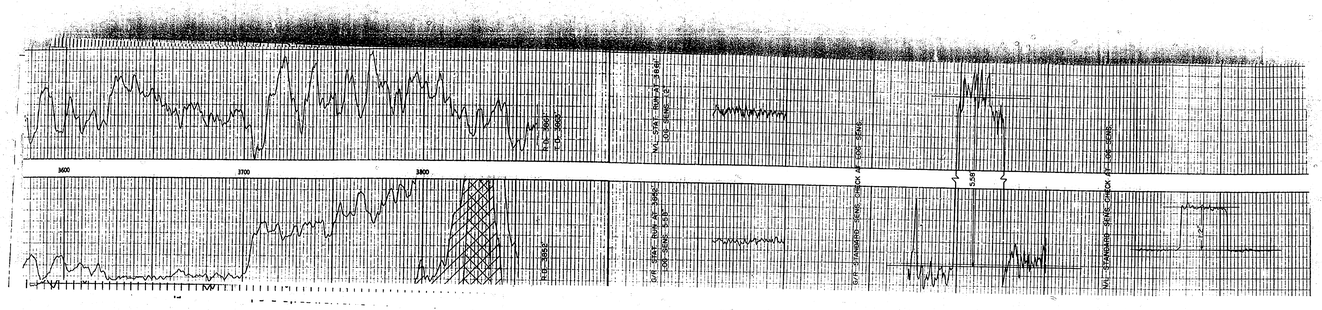

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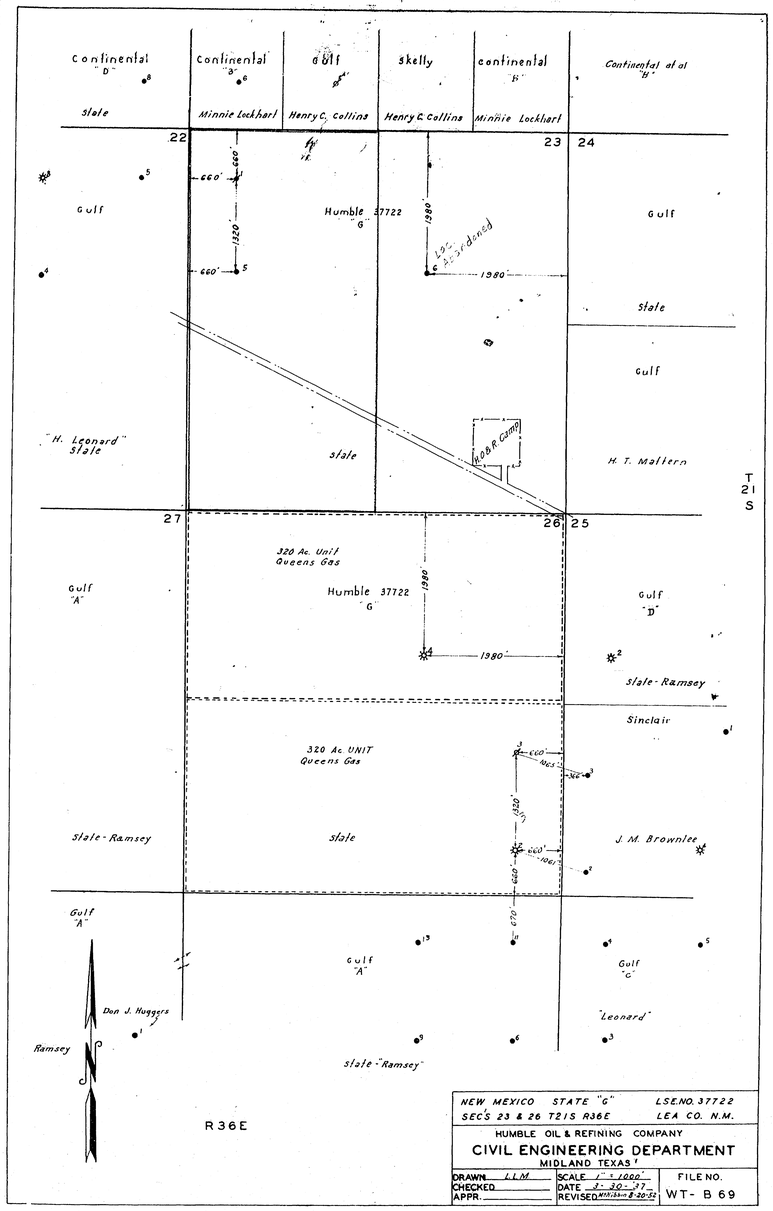
Case No.

1096

Large Exhibits



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Case No.

1097

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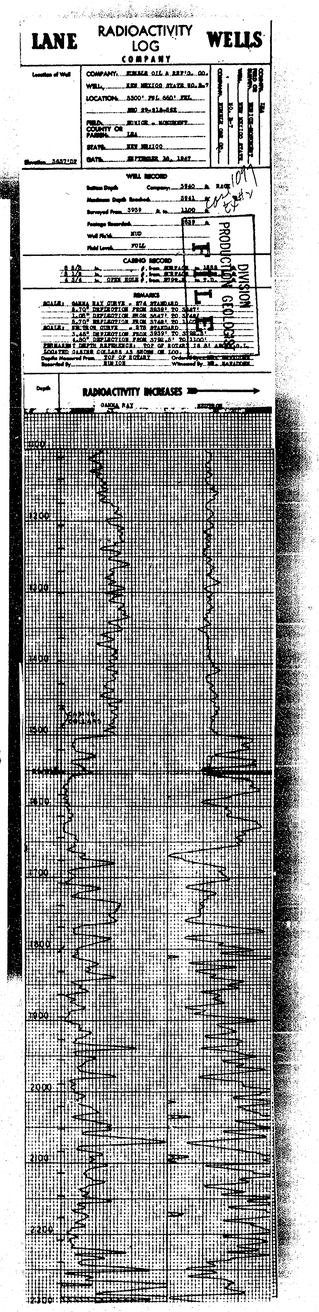

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Case No.

1098

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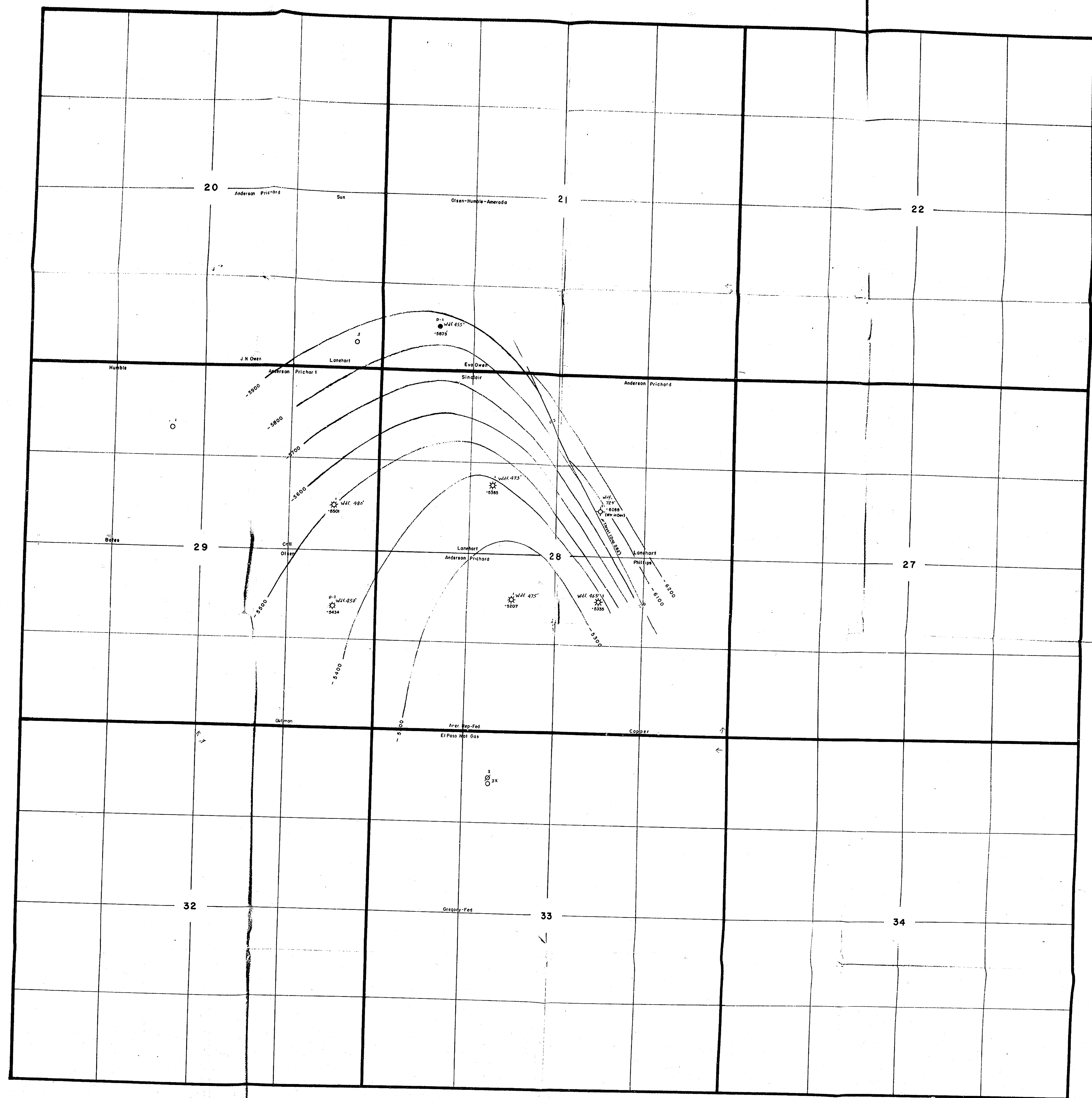


BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
EXHIBIT No. 1
CASE

CROSBY DEVONIAN POOL

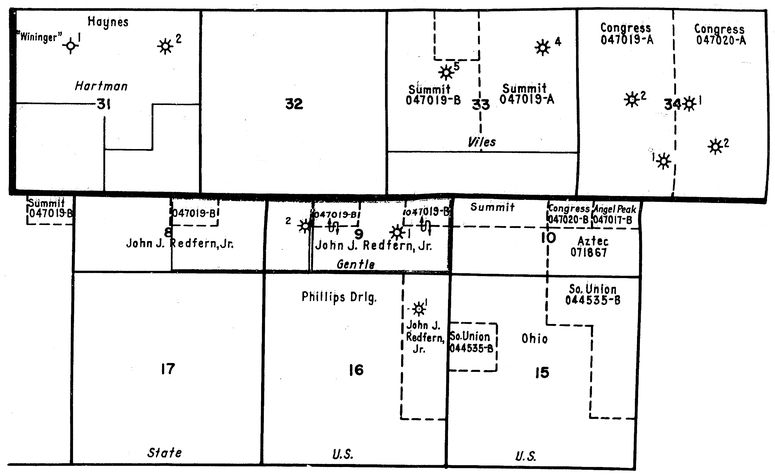
T25S - R37E LEA CO., N.M.

DATUM	:	TOP DEVON'AN
CONTOUR INTERVAL	:	100 FEET
SCALE	:	1 INCH = 500 FEET
BY	:	HANS WINKLER
DATE	:	APRIL 1956

Case No.

1099

Large Exhibits



BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
EXHIBIT No. 1
CASE 1099

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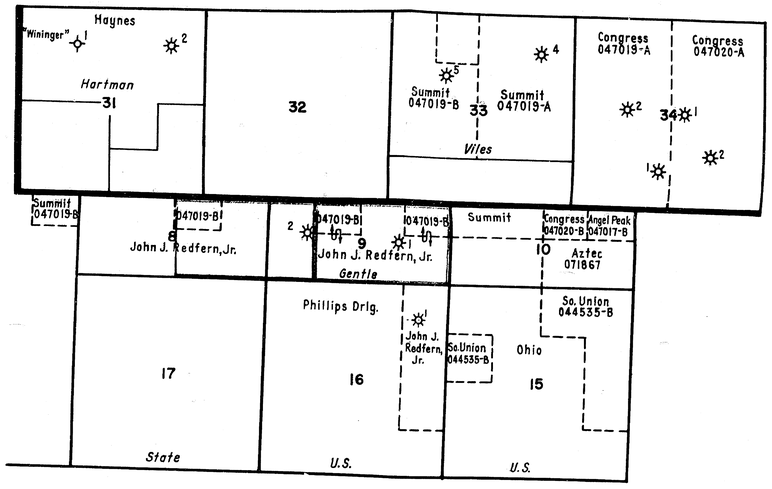
Case No.

1100

Large Exhibits



BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
EXHIBIT No. 1
CASE 1100

W.N.M.C.F. MICROGRAPHICS

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CASE NO.

1101

Missing

Large Exhibits

OCD

W.N.M.C.F. MICROGRAPHICS

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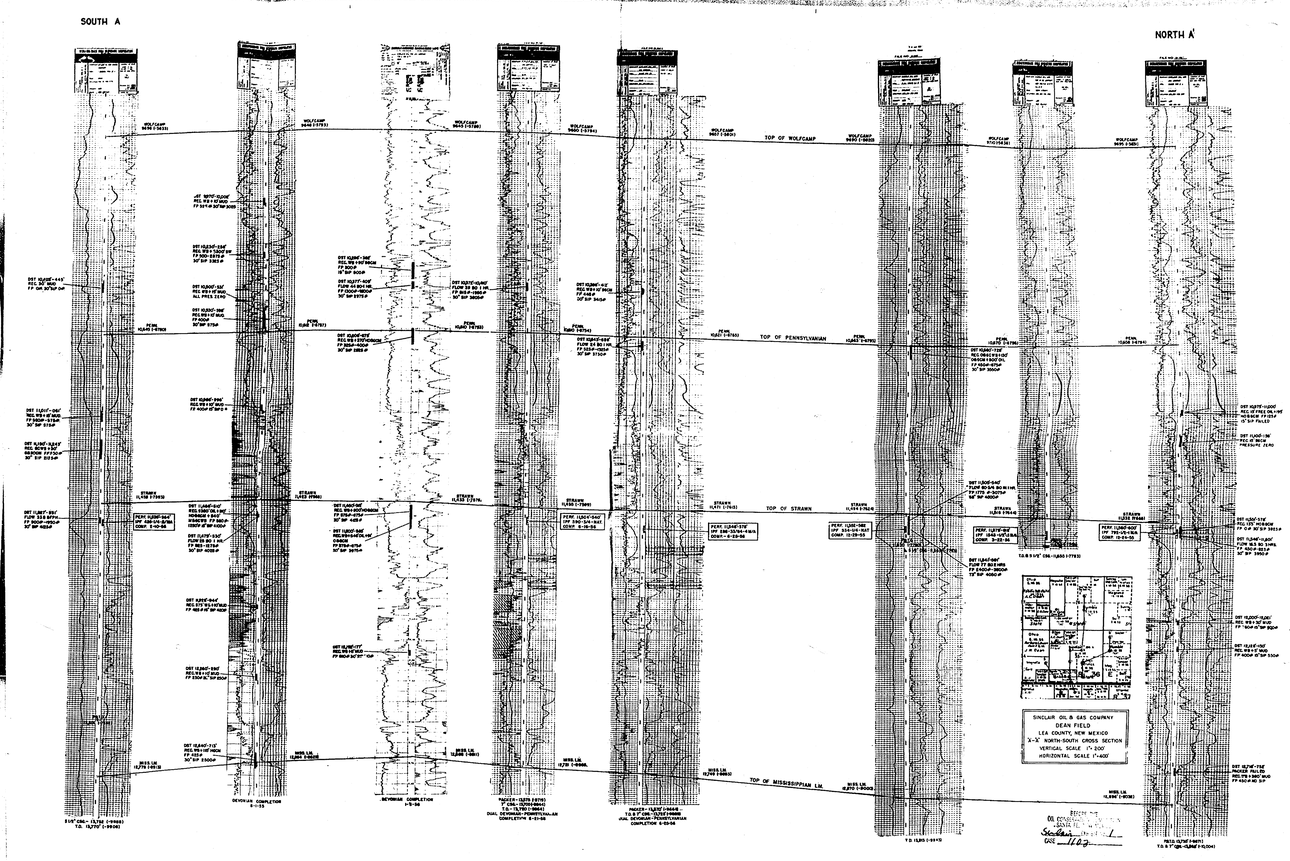
Case No.

1102

Large Exhibits



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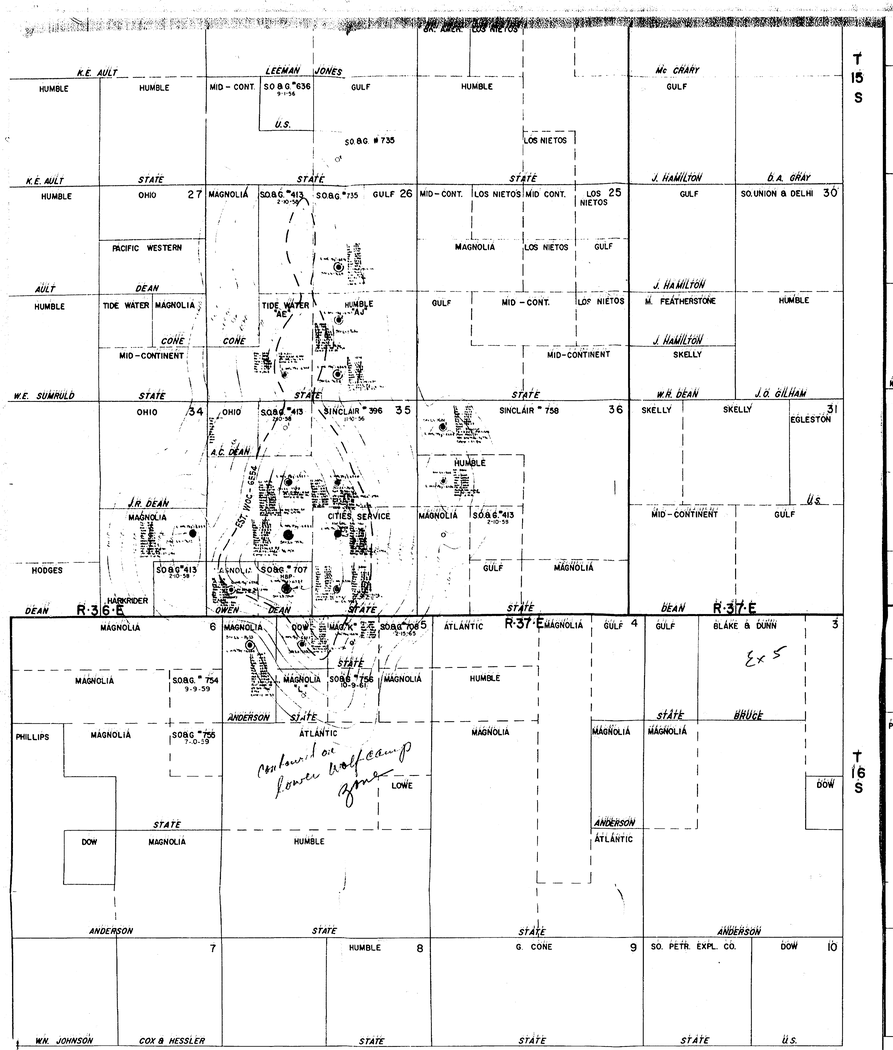


LEGEND

PRODUCING FORMATION		OIL-WATER CONTACT
GREEN	WOLFCAMP	6554 ± 15
YELLOW	PENN	
BLUE	DEVONIAN	-9920

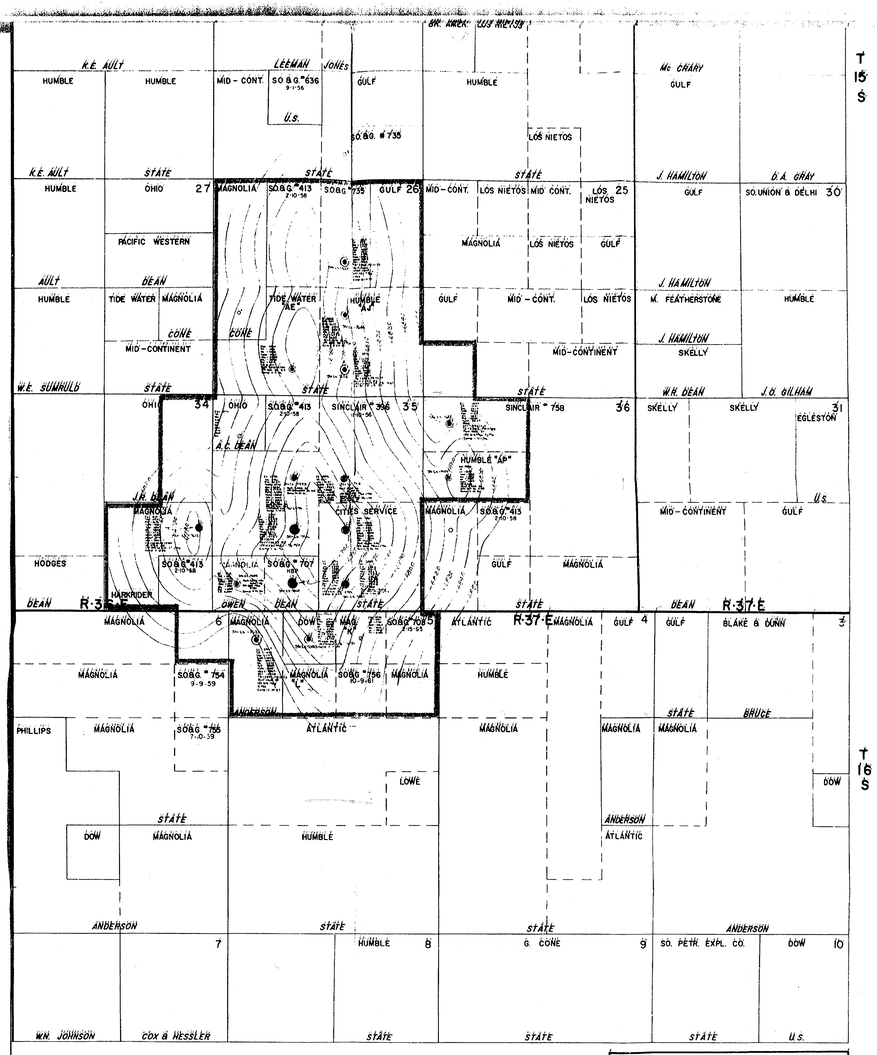
DEAN POOL
LEA COUNTY, NEW MEXICO

CONTOUR DATUM: LOWER WOLFCAMP PAY
CONTOUR INTERVAL: 10'
CONTOURED BY: J.W. HODGES
SCALE: 1"=1000'
DATE: 5-31-58

BY	CONTOURING REVISED DATE	BY	DATE
JWH	7-2-58		

SINCLAIR OIL & GAS CO.
GEOLOGICAL DEPARTMENT
TEXAS DIVISION

BEFORE THE OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
EXHIBIT No. 5
DATE 11-6-58



LEGEND

PRODUCING FORMATION		OIL-WATER CONTACT
GREEN	WOLFCAMP	
YELLOW	PENN	
BLUE	DEVONIAN	-9920

DEAN POOL
LEA COUNTY, NEW MEXICO

CONTOUR DATUM: TOP PENN
CONTOUR INTERVAL: 10'
CONTOURED BY: J.W. HODGES
SCALE: 1"=1000'
DATE: 7-2-58

BY	CONTOURING REVISED DATE	BY	DATE

SINCLAIR OIL & GAS CO.
GEOLOGICAL DEPARTMENT
TEXAS DIVISION

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
EXHIBIT No. 4
CASE No. 1

U.S.G.S. MICROGRAPHICS
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U.S.G.S. TOPOGRAPHICS

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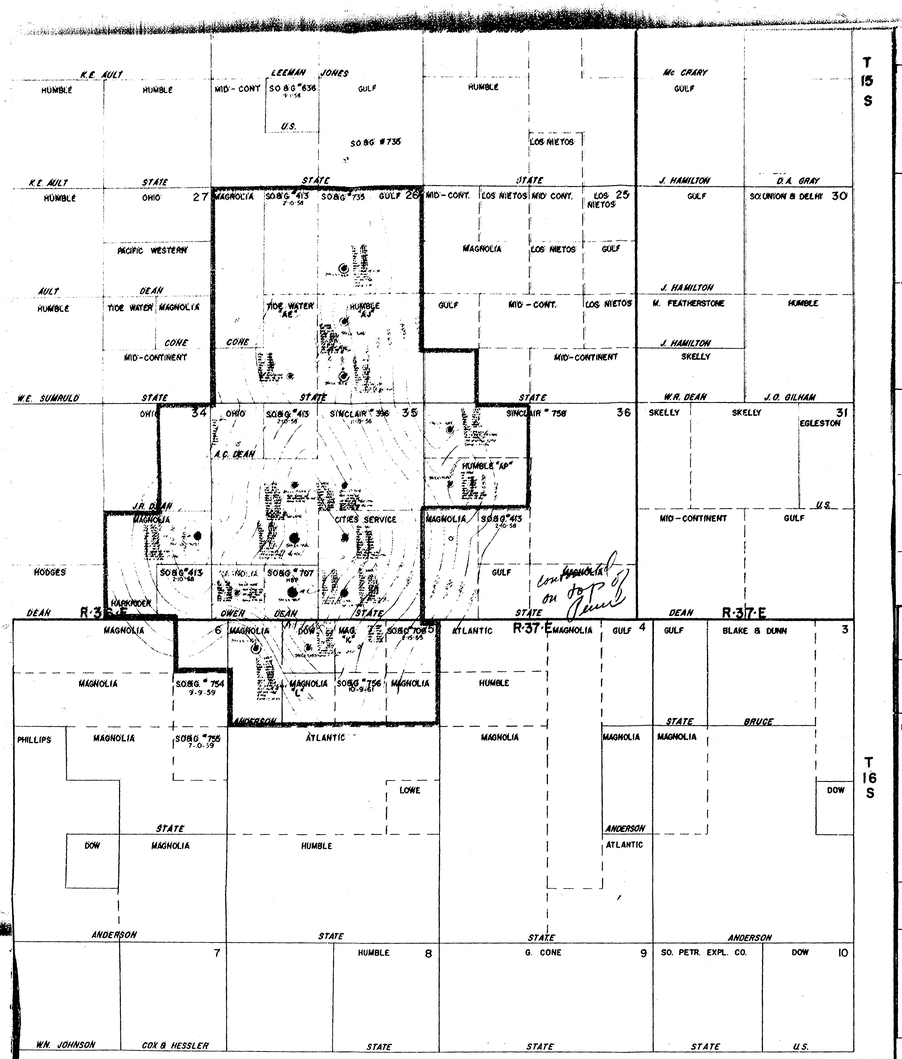


LEGEND

PRODUCING FORMATION — OIL - WATER CONTACT

GREEN — WOLFCAMP

YELLOW — PENN

BLUE — DEVONIAN — -9920

DEAN POOL
LEA COUNTY, NEW MEXICO

CONTOUR DATUM: TOP PENN
CONTOUR INTERVAL: 10'
CONTOURED BY: J.W. HODGES
SCALE: 1"=1000'
DATE: 7-2-56

CONTOURING REVISED

BY	DATE	BY	DATE

SINCLAIR OIL & GAS CO.
GEOLOGICAL DEPARTMENT
TEXAS DIVISION

RECEIVED
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
SINCLAIR EXHIBIT No. 4
DATE 11-8-56

LEGEND

PRODUCING FORMATION — OIL - WATER CONTACT

GREEN — WOLFCAMP

YELLOW — PENN — -7767 TENT.

BLUE — DEVONIAN — -9920

DEAN POOL
LEA COUNTY, NEW MEXICO

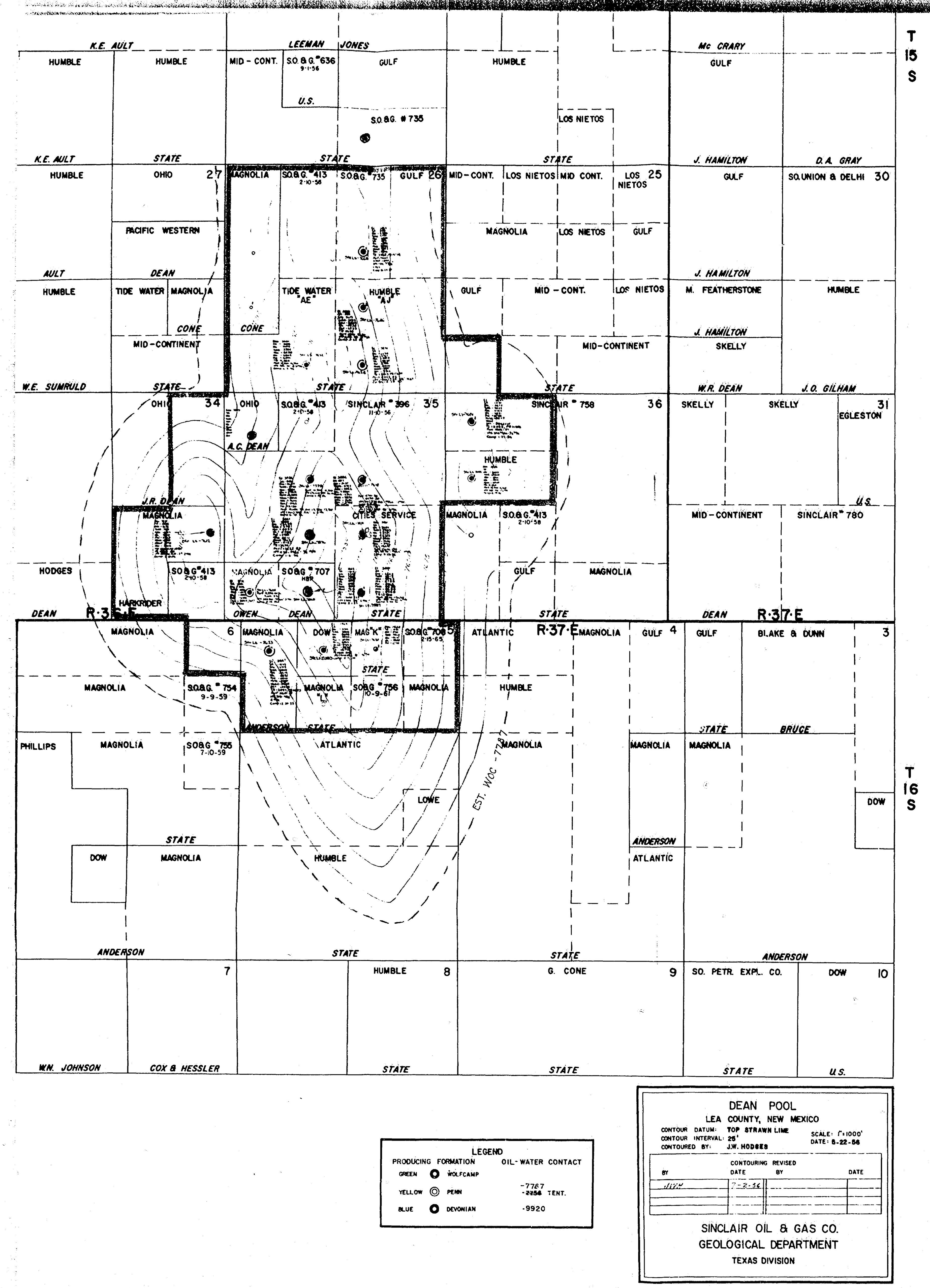
CONTOUR DATUM: TOP STRAWN LIME
CONTOUR INTERVAL: 25'
CONTOURED BY: J.W. HODGES
SCALE: 1"=1000'
DATE: 8-22-56

CONTOURING REVISED

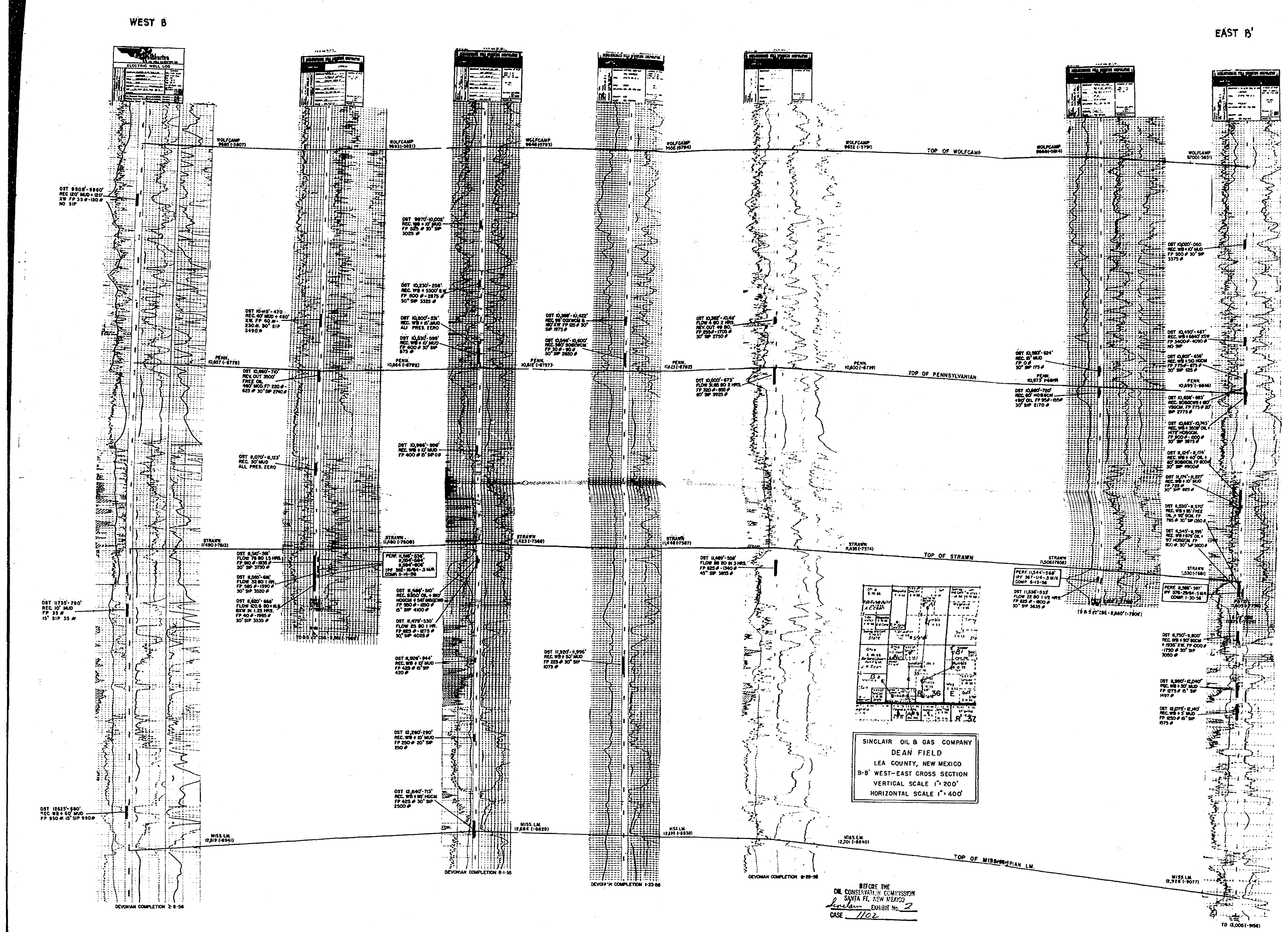
BY	DATE	BY	DATE
JWH	7-2-56		

SINCLAIR OIL & GAS CO.
GEOLOGICAL DEPARTMENT
TEXAS DIVISION

RECEIVED
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
SINCLAIR EXHIBIT No. 3
DATE 11-8-56



BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
Sinclair EXHIBIT No. 3
CASE 1102



BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
Sinclair EXHIBIT No. 2
CASE 1102

W.N.M.C.F. MICROGRAPHICS

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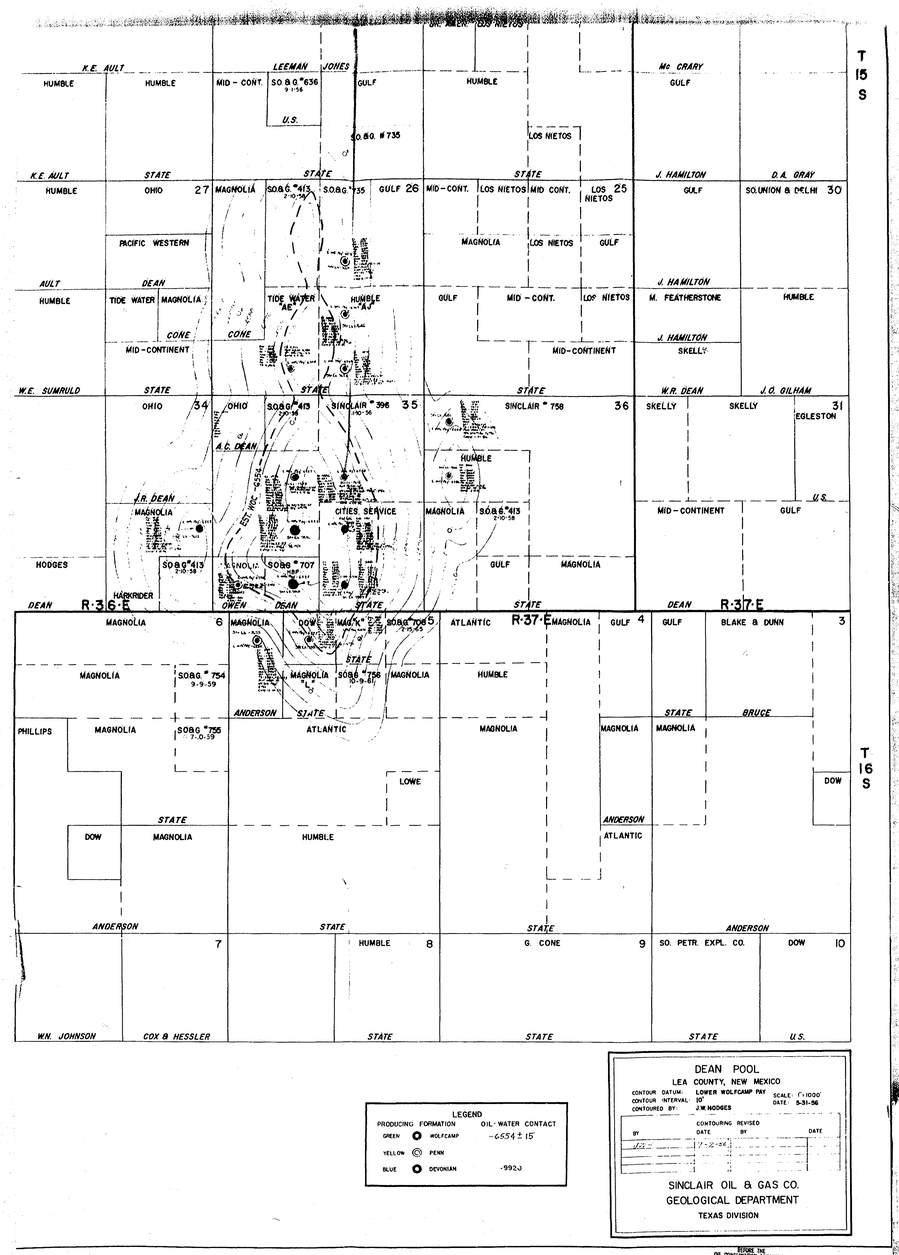

LEGEND

PRODUCING FORMATION		OIL-WATER CONTACT
GREEN	WOLFCAMP	-6554 ± 15'
YELLOW	PENN	
BLUE	DEVONIAN	-9920

DEAN POOL
LEA COUNTY, NEW MEXICO

CONTOUR DATUM: LOWER WOLFCAMP PAY
CONTOUR INTERVAL: 10'
CONTOURED BY: J.W. HODGES
SCALE: 1"=1000'
DATE: 5-31-56

BY	CONTOURING DATE	REVISED BY	DATE
JWH	7-12-56		

SINCLAIR OIL & GAS CO.
GEOLOGICAL DEPARTMENT
TEXAS DIVISION

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
Sinclair EXHIBIT No. 10
CASE 1102

W.N.M.C.F. MICROGRAPHICS
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Case No.

1103

Large Exhibits

M.N.M.C.F. MICROGRAPHICS
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U.S.W.C.T.P. METEOROLOGISTS
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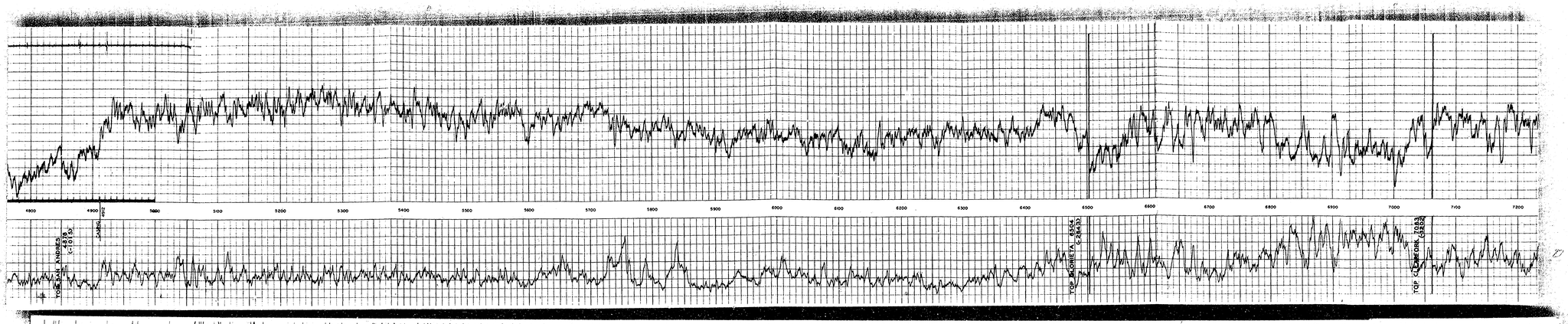
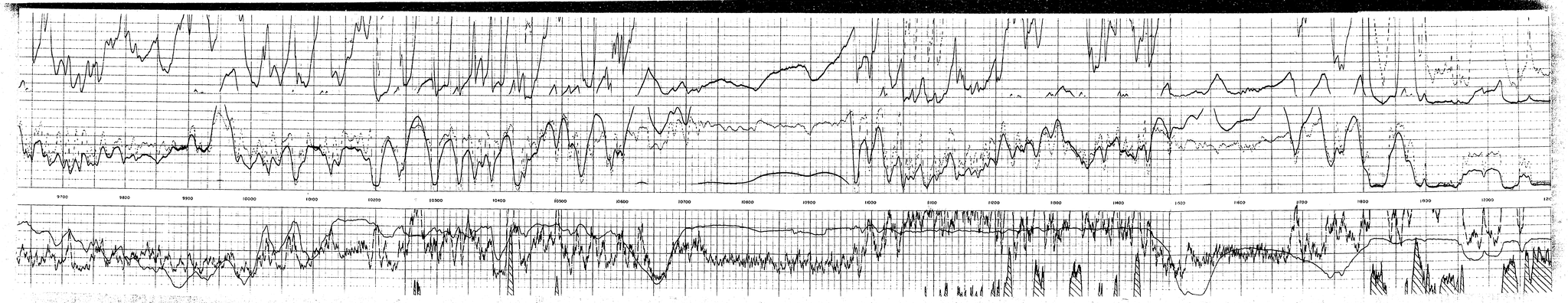
U.S.W.C.T.P. METEOROLOGISTS
BEST AVAILABLE COPY





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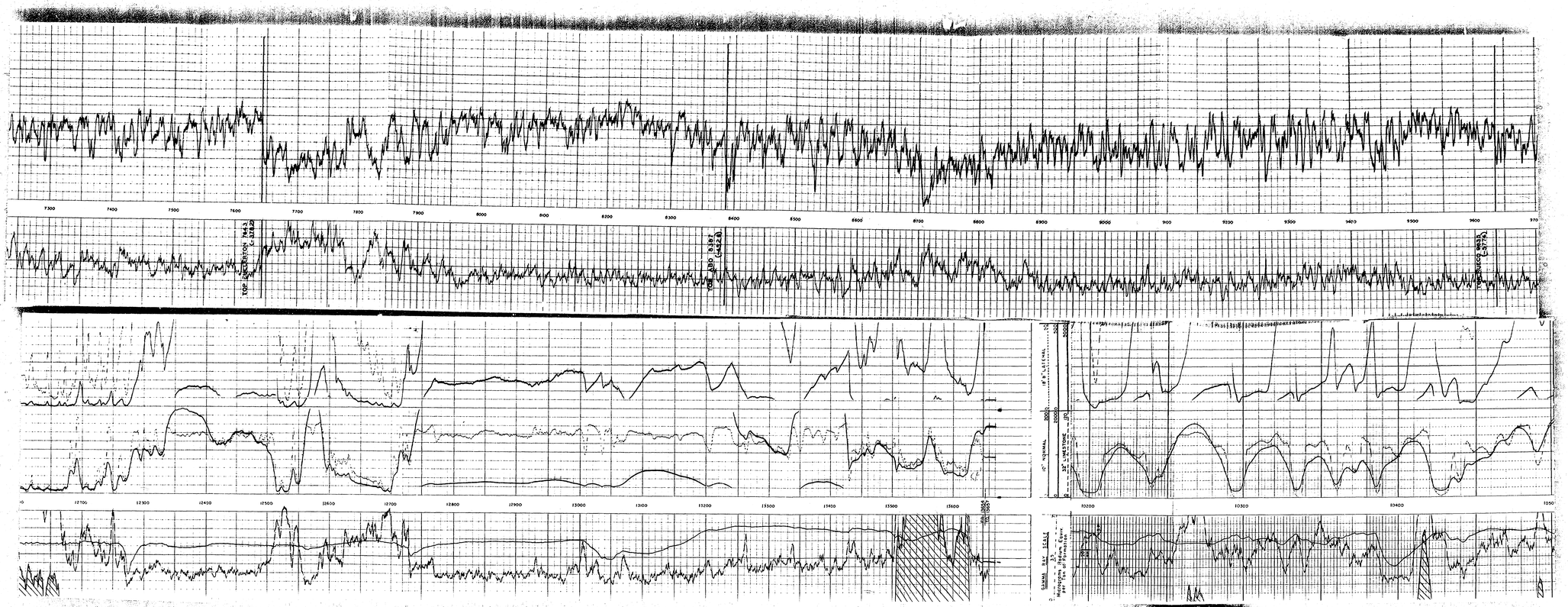

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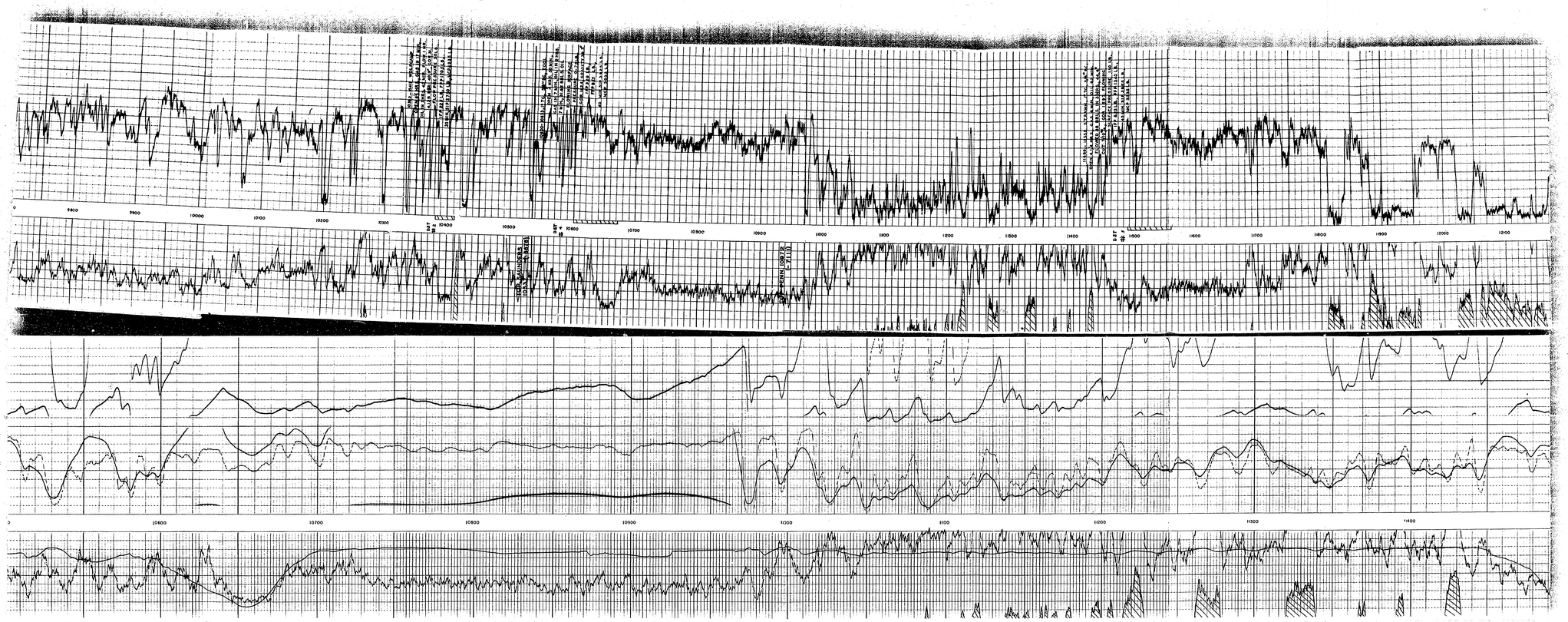

W.S.H.C.F. PICROGRAPHICS

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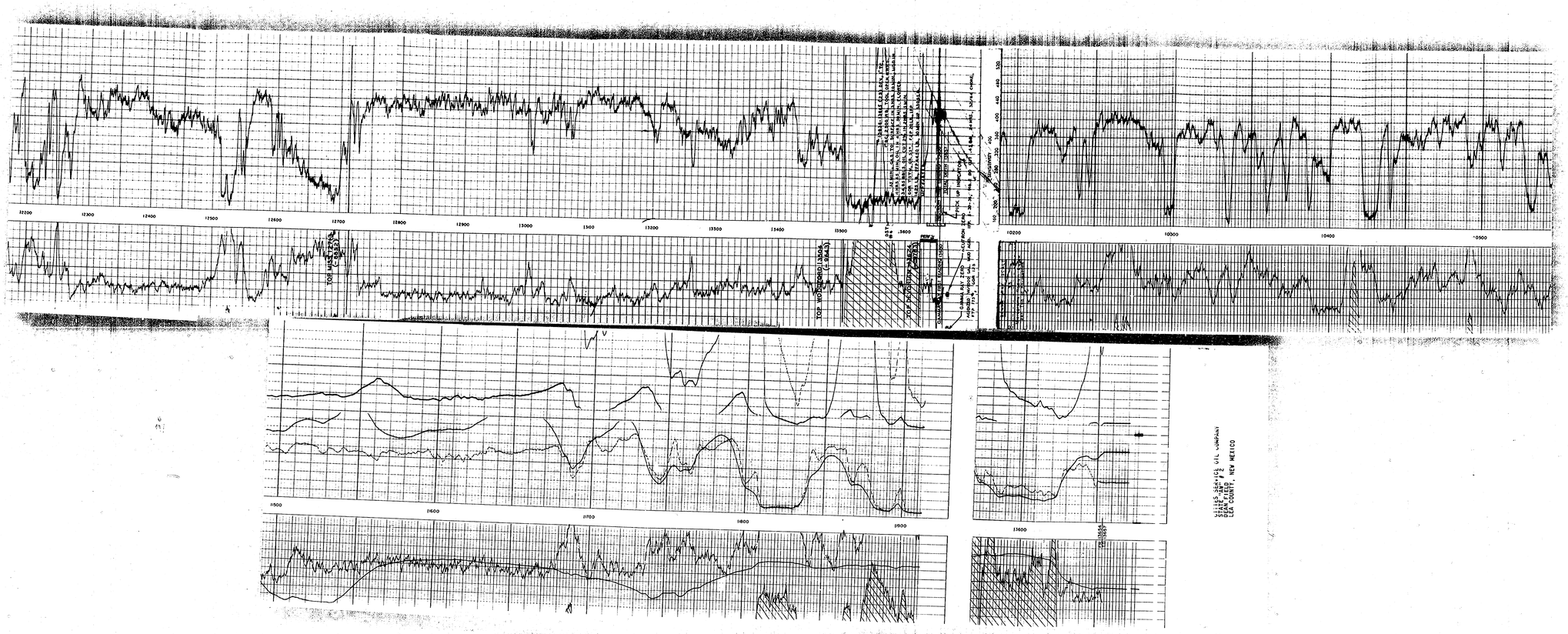

SHELL WESTERN E&P INC.
SHELL - STATE
SECTION 2, T16S, R34E
LEA COUNTY, NEW MEXICO

W.N.M.C.F. MICROGRAPHICS

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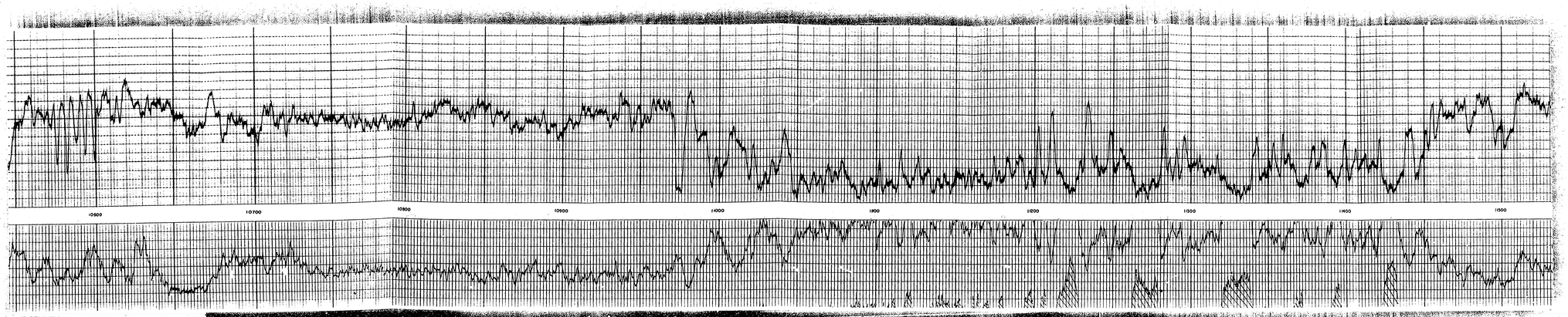


SCHLUMBERGER WELL SURVEYING CORPORATION

MICROLOGGING®

COMPANY CITIES SERVICE OIL COMPANY

WELL STATE "AW" # 2

FIELD DEAN

LOCATION SEC. 35-15S-36E

COUNTY LEA

STATE NEW MEXICO

Other Surveys ES-GRN

Location of Well 1980' f SW/L ML

Elevation: D.F. 3951 K.B. — or G.L.

FILING No.

COUNTY Lea — FIELD or POOL Dean — WELL State "AW" # 2 — COMPANY Cities Service Oil

RUN No.						
Date	5-7-58					
First Reading	10600					
Last Reading	10800					
Feet Measured	1400					
Depth Reached	10602					
Bottom Driller	10886					
Depth Datum	KB 12.50' Abv. GL					
Mud Mat.	Chem.					
Dens. | Visc.	9.0 | 54	|	|	|	|	|
Mud Resist.	.644@87	@ °F	@ °F	@ °F	@ °F	@ °F
— Res. Mat	1.07@	@ °F	@ °F	@ °F	@ °F	@ °F
— pH	10.5@	@ °F	@ °F	@ °F	@ °F	@ °F
— Wtr. Loss	15cc 30min.	cc 30min.	cc 30min.	cc 30min.	cc 30min.	
Rm@ Bht						
Rmf@ Bht	.8					
Mud Log: Rm	1.28					
Interval — Limit	upper					
Depth	3870					
Bit Size	7 7/8"					
Sonde Type	MRS-P					
Pad Type	H Pad Centered					
Circ. Stg Time	2 1/2 Hrs.					
Truck No.	1751-Hobbs					
Recorded By	Roth					
Witness	Hollister					

REMARKS: RM @ BHT = .170 @ 100(20.0) — Logging Unit: Tot. Dpth. 10882 Driller 10880 Logger

RESISTIVITY -ohms. m²/m

0 Micro Inverse 1" x 1" 40 — 0 Micro Normal 2" 40

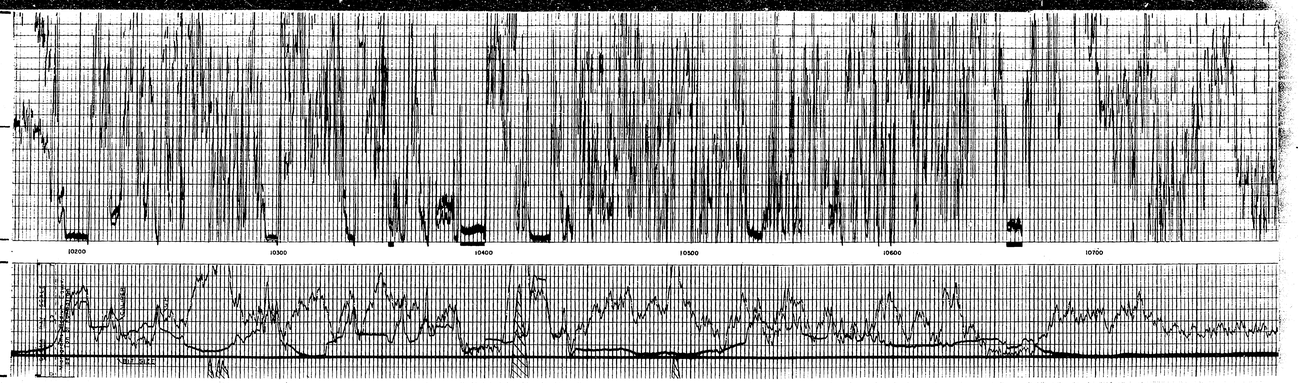
DEPTHS

SPONTANEOUS-POTENTIAL millivolts

— 80 + — 0 mv from — 65

MICROLOG CALIPER

Hole Diameter in Inches 6 7 8 9 10 11 12 13 14 15 16



M.N.H.C.T. MICROGRAPHICS

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W.S.H.C.F. MICROGRAPHICS

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CORE LABORATORIES, INC. *Petroleum Reservoir Engineering*

COMPANY CITIES SERVICE OIL COMPANY
WELL STATE "A" #4
FIELD DEAN FIELD
COUNTY LEA COUNTY, NEW MEXICO
LOCATION

STATE: NEW MEXICO FILE NO. 6-3-65 S A 4
DATE ON 6-5-65
DATE OF 6-5-65
FORMATION ZONE
ELEV.:
REMARKS

Special Analysis

CORE REPORT

BASIC [ ] SPECIAL [ ] CONVENTIONAL [ ] SIDEWALL [ ] CHEM [ ]
FIELD [ ] WILDCAT [ ] DOLOMITE [ ] LIME [ ]

File No. 6-3-65 S A 4
Date 6-5-65
Formation Zone
Location

PERMEABILITY, Maximum 0.0
Horizontal 0.0
Vertical

MAX. DEPTH 0.0
FEET

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS Horizontal Max.	PERMEABILITY MILLIDARCYS 90° to Max.	POROSITY PERCENT	RESIDUAL FLUID SATURATION PERCENT PORE SPACE Oil	RESIDUAL FLUID SATURATION PERCENT PORE SPACE Water	GRAIN DENSITY	DESCRIPTION
1	11506.0-06.4	3.0	0.5	9.4	6.0	30.1	2.67	
2	11507.0-07.3	1.3	0.7	6.5	2.7	76.2	2.67	
3	11508.0-08.3	1.3	0.5	7.3	4.4	67.3	2.69	
4	11509.0-09.0	2.0	1.2	5.6	5.2	56.2	2.69	
5	11510.0-10.3	1.5	1.5	6.5	6.3	30.5	2.69	
6	11511.0-11.3	1.0	0.8	7.4	6.2	33.1	2.67	
7	11512.0-12.6	3.4	1.1	6.2	5.0	32.7	2.67	
8	11513.0-13.6	7.2	1.5	7.5	5.1	26.1	2.67	
9	11514.0-14.4	2.2	0.8	6.9	4.8	29.5	2.68	
10	11515.0-15.1	<0.1	0.5		0.0			
11	11516.5-16.7	<0.1	1.2		0.0			
12	11517.5-18.0	<0.1	0.4		0.0			
13	11519.0-19.1	<0.1	0.3		0.0			
14	11520.5-20.5	<0.1	0.9		0.0			
15	11521.5-21.5	<0.1	1.5		0.0			
16	11522.5-22.5	<0.1	0.7		0.0			
17	11523.5-24.0	<0.1	0.6		0.0			
18	11525.5-25.5	<0.1	0.6		0.0			
19	11526.5-26.5	<0.1	0.8		1.0			
20	11527.5-27.5	<0.1	0.5		1.0			
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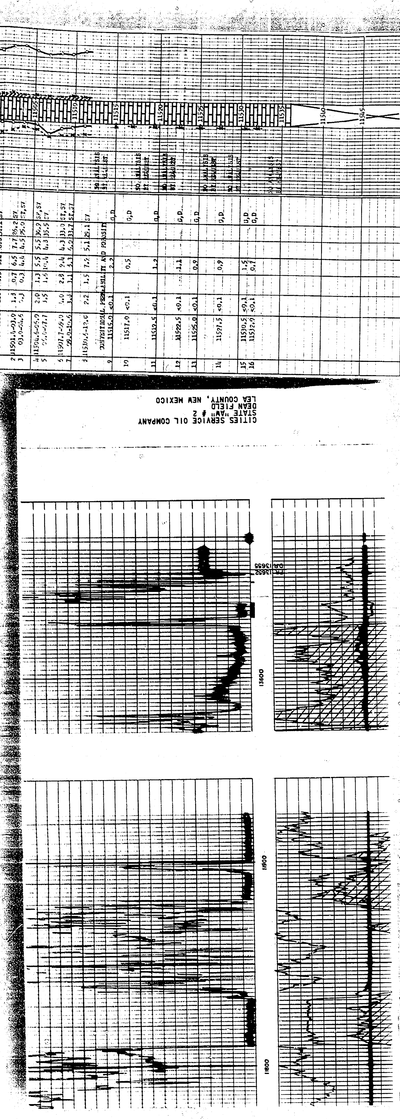
22	11530.5-30.5	<0.1	0.6		1.0			



W.A.M.C.F. RECOMMENDATIONS

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CASE NO.

11047011108

Missing

Large Exhibits

OCD

W.N.M.C.F. MICROGRAPHICS

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Case No.

1109

Large Exhibits

W.N.H.C.F. MICROGRAPHICS

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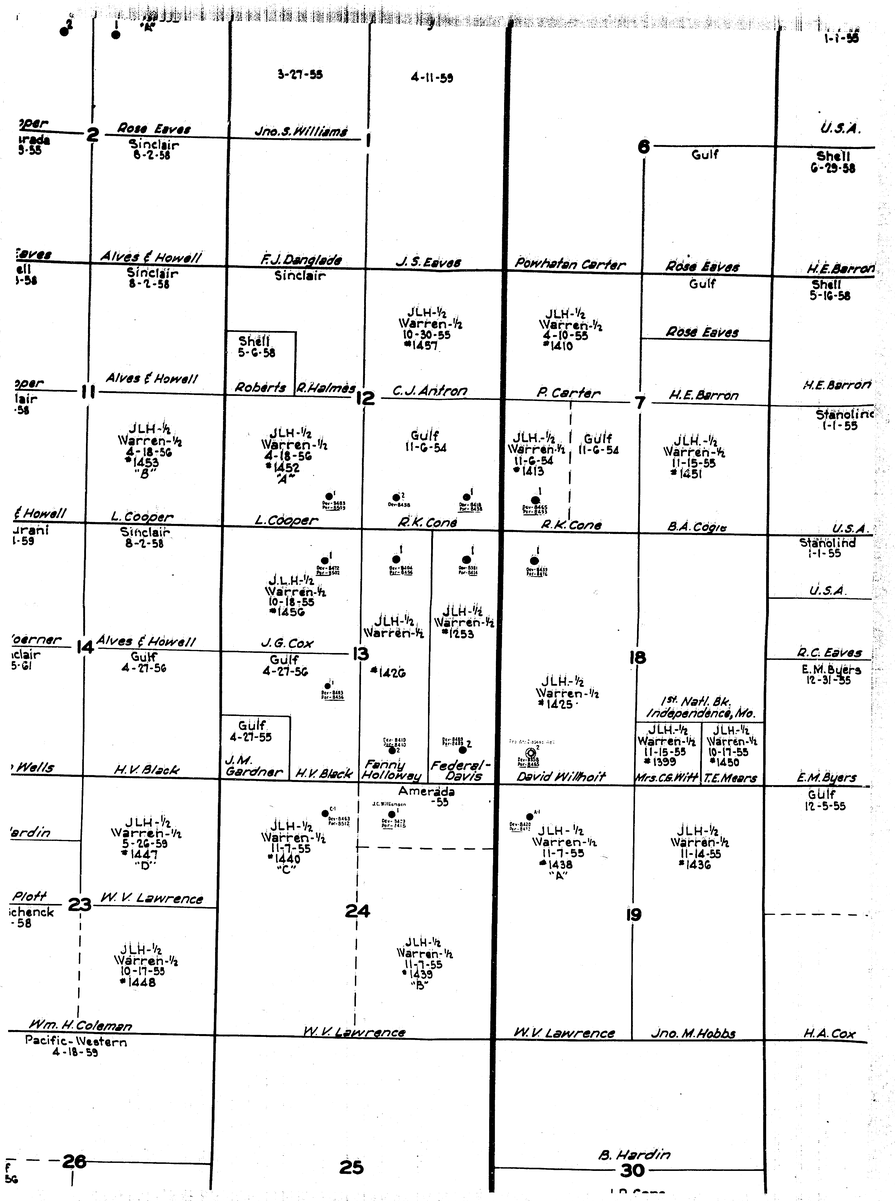

W.N.H.C.F. MICROGRAPHICS

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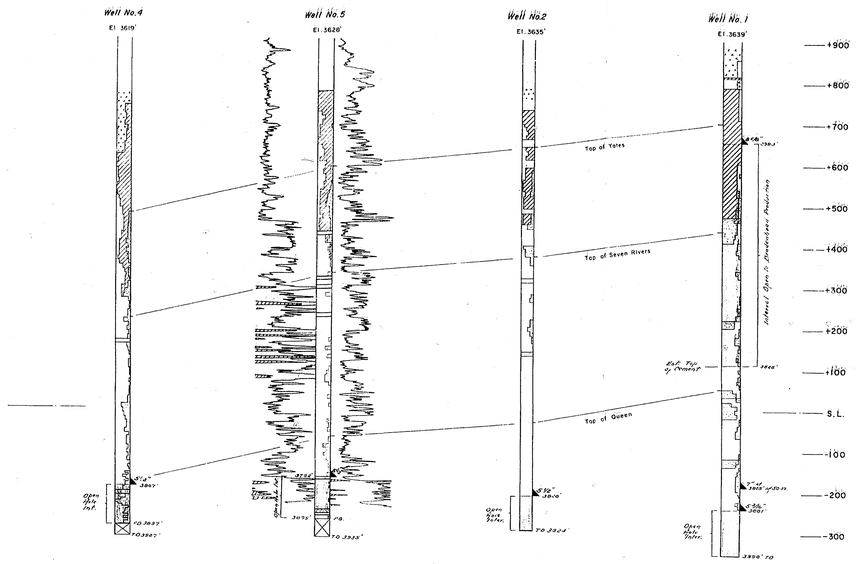
Case No.

III

Large Exhibits

COMPARISON OF WELL LOGS
CONTINENTAL OIL COMPANY
LOCKHART A-18 LEASE



Completed 3-27-36 at TD 3927' for IP of 201 BOPD, no water, thru 3/4" choke with 786 MCF gas.
2-1-40, Skaggs Sand to 3927', 15' P.B.D.
3-5-47, Sand fracture of Skaggs Sd. Prod increased from 6 to 112 BOPD thru 2", no water, GOR 2,300.

Completed 7-6-36 at TD 3925' for IP of 1872 BOPD, no water, thru 3/4" choke with 2420 MCF gas
3-10-52, plugged back to 3835', with no potential of 12-30-52 thru perfs 3821-3830' in 4 hours with 742 MCF gas thru 25/64" choke.
Shut in 6-12-54.

Completed 10-19-36 at TD 3924' for IP of 1935 BOPD, no water, thru 3/4" choke with 1400 MCF gas.

Completed 2-2-37 at TD 3990' for IP of 302 BOPD + 620 BWPD thru 7" Csg with 8000 MCF gas
7" Csg has set at 3825' of 30-53.
3-19-37, set 5-3/16" csg at 3981' of 25-53.
Oil from 3821' to 3990'
Embalmed gas from 2963' to est. top of Cement at 3525'.

LEGEND

Gas Production

Oil Production

BEFORE THE OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO
EXHIBIT No. 4
CASE III

W.S.H.C.P. MICROGRAPHICS

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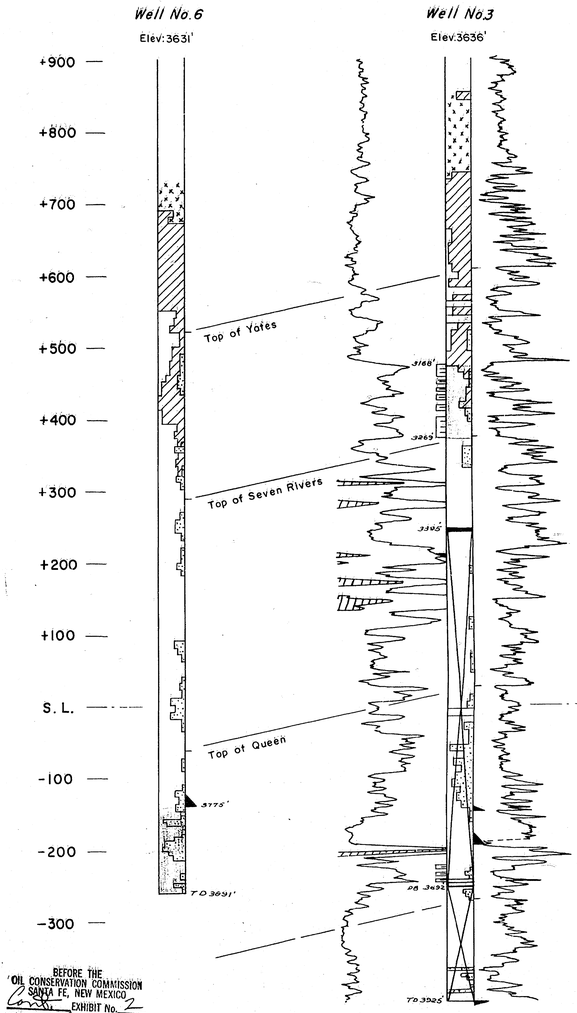
Case No.

Large Exhibits

CONTINENTAL OIL COMPANY

LOCKHART A-18 LEASE



BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
EXHIBIT No. 2
CASE

Completed 1-1-39 @ TD 3891' for IP of 528 BOPD, no water, thru 3/4" choke with 2120 MCF gas.
5½" csg (17#) @ 3775' w/425 sx.

9-15-40, set packer @ 3806' with blank side-door choke @ 3768'. GOR reduced from 14,000 to 6810.

Completed 10-23-35 @ TD 3925' for IP of 800 BOPD thru 3/4" choke with 1500 MCF gas.
5½" csg (17#) @ 3834' w/400 sx.

2-15-48, deepened to 4048'. Set 4" OD liner, 3925' to 4048' w/60 sx. PB 3892'. Perforated liner: 3882-85', 3871-78' & 3860-66' and acidized w/3500 gals. IP of 35 BOPD + 64 BWPD with GOR 1375, by gas-lift.

7-23-51, set retainer @ 3395' w/75 sx and perforated csg between 3168' and 3269'. Re-completed as gas well for IP of 2130 MCF sour gas (cal. open flow) with SIP 1066.2 psia.

LEGEND

Gas Production

Oil Production

W.N.M.C.F. MICROGRAPHICS

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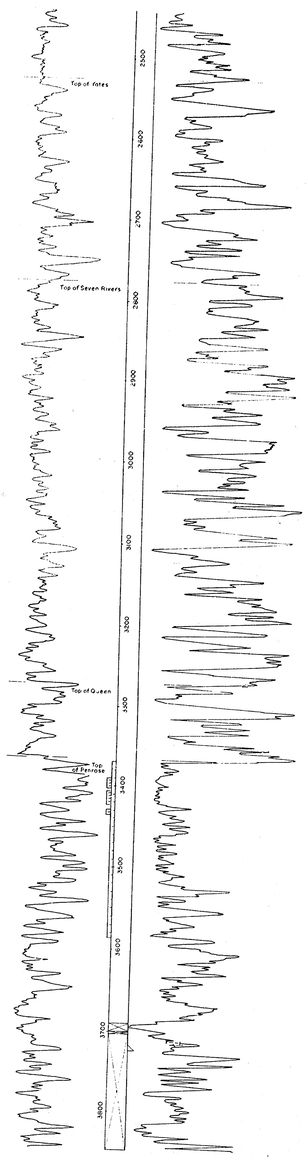
Case No.

112

Large Exhibits

CONTINENTAL OIL COMPANY
BRITT B-15 NO.3
Elev. 3552'



7 5/8" csg @ 1231' w/425 sx
5 1/2" csg @ 3723' w/425 sx
TD 3836'

Completed, 11-17-38, thru open hole, 3723' to 3836' for IP of 216 BOPD thru open 2" with 1836 MCF gas.

Set Baker retainer @ 3700' with 3 sx on top.
PB 3690'. Perforated 3370-3395' with 1 shot per foot. Then perforated between 3390' and 3435' with 4 shots per foot.
Re-completed as gas well for IP of 6550 MCF (cal. open flow) with SIP 1137.2 psia. 12-8-49.

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, NEW MEXICO
EXHIBIT No. 2
CASE 1112

M.N.M.C.F. MICROGRAPHICS

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CASE NO.

11137 & 11115

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W.N.M.C.F. MICROGRAPHICS

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Case No.

1116

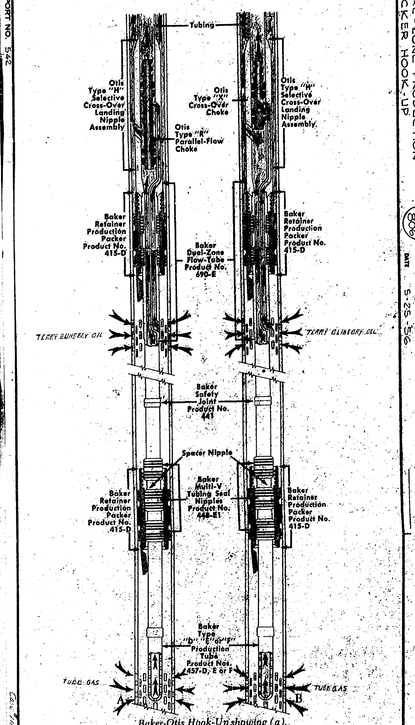
Large Exhibits

BAKER OIL TOOLS, INC.
LOS ANGELES HOUSTON
NEW YORK
U. S. A.

ILLUSTRATIVE DRAWINGS
OF SPECIAL
TOOLS AND METHODS

BAKER-OTIS SELECTIVE
DUAL-ZONE PRODUCTION
PACKER HOOK-UP

DWG. NO. 136
SHEET NO. 3



Baker-Otis Hook-Up showing (a), parallel flow and (b), crossed flow

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
Case No. 1116 Exhibit No. 6
Date 11/16/55

CASE RECORD

M.N.M.C.F. MICROGRAPHICS
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CONTINENTAL OIL COMPANY
LOCKHART B-14 "A" NO. 2-A

PRESENT CONDITION

Pumping Equipment on well at present time.

2" tbg.

10 3/4" set @ 268' w/250 sacks

7 5/8" set @ 3149 w/1550 sacks

PB 7421'

5 1/2" set @ 7446' w/500 sacks

7000' Abo Pay Zone

7344'

T.D. 7446'

PROPOSED DUAL COMPLETION

Terry Blinebry Oil

Tubb Gas

Cement Circ.

Top of Cement 1440'

Series 40 Baker Model D Production Packer w/dual zone flow tube and Otis cross-over landing nipple and choke.

5558'

5929' Terry Blinebry Oil Zone

Series 40 Baker Model D Production Packer

6155'

Tubb Gas Zone

6313'

PB Approx. 6900'

Top of Cement 3085'

RULE 108
OIL CONS. COMM. HOBBS, OFFICE
CENTRAL NEW MEXICO
EXHIBIT No. 7
CASE 7114

W.R.M.C.F. MICROGRAPHICS

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CASE NO.

1117

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Large Exhibits

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W.N.M.C.F. MICROGRAPHICS

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Case No.

1118

Large Exhibits

W.N.M.C.F. MICROGRAPHICS

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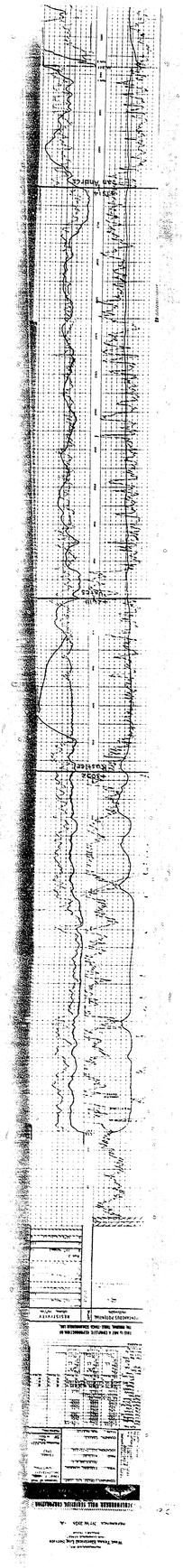

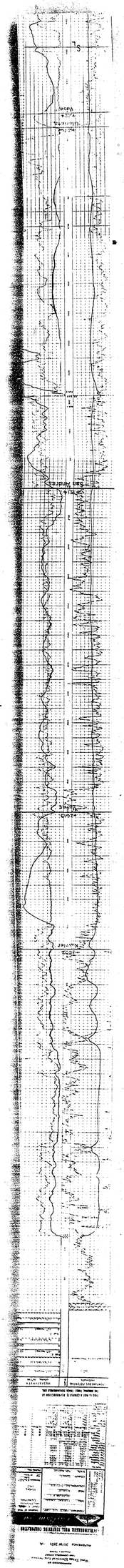

W.S.R.C.F. TECHNOGRAPHICS
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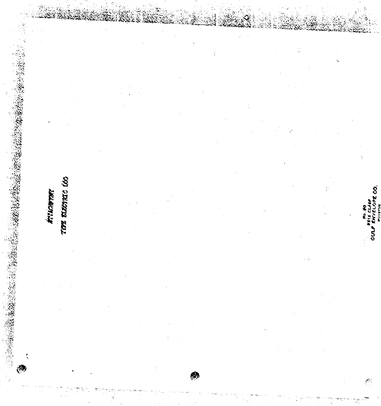

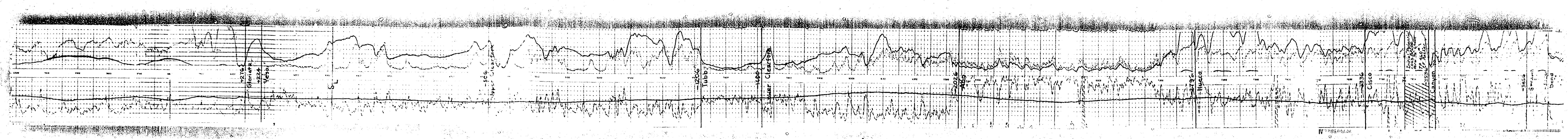

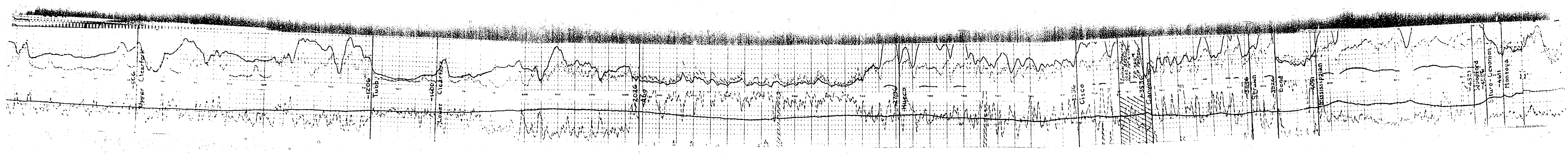

W.N.M.C.F. MICROGRAPHICS

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W.N.H.C.F. MICROGRAPHICS

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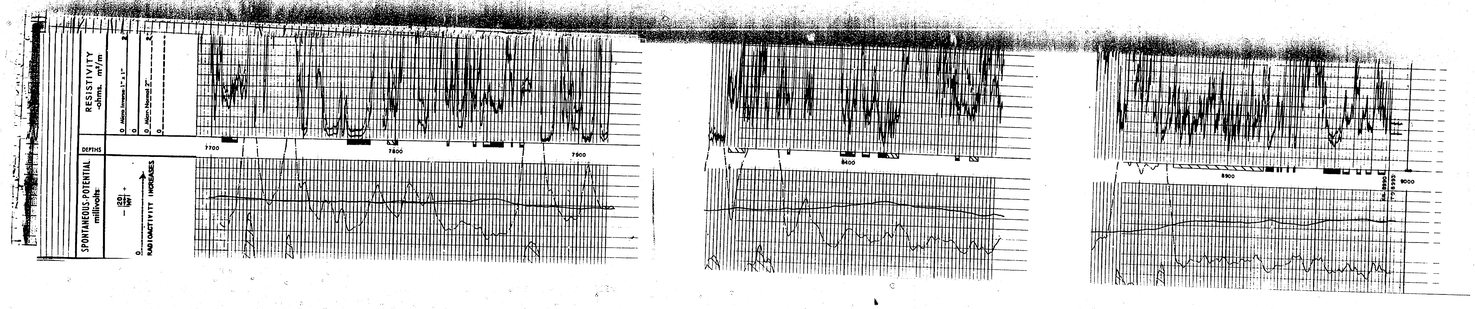

W.N.H.C.F. MICROGRAPHICS

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CASE No.

1119

Missing

Large Exhibits

OCD

W.N.M.C.F. MICROGRAPHICS

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Case No.

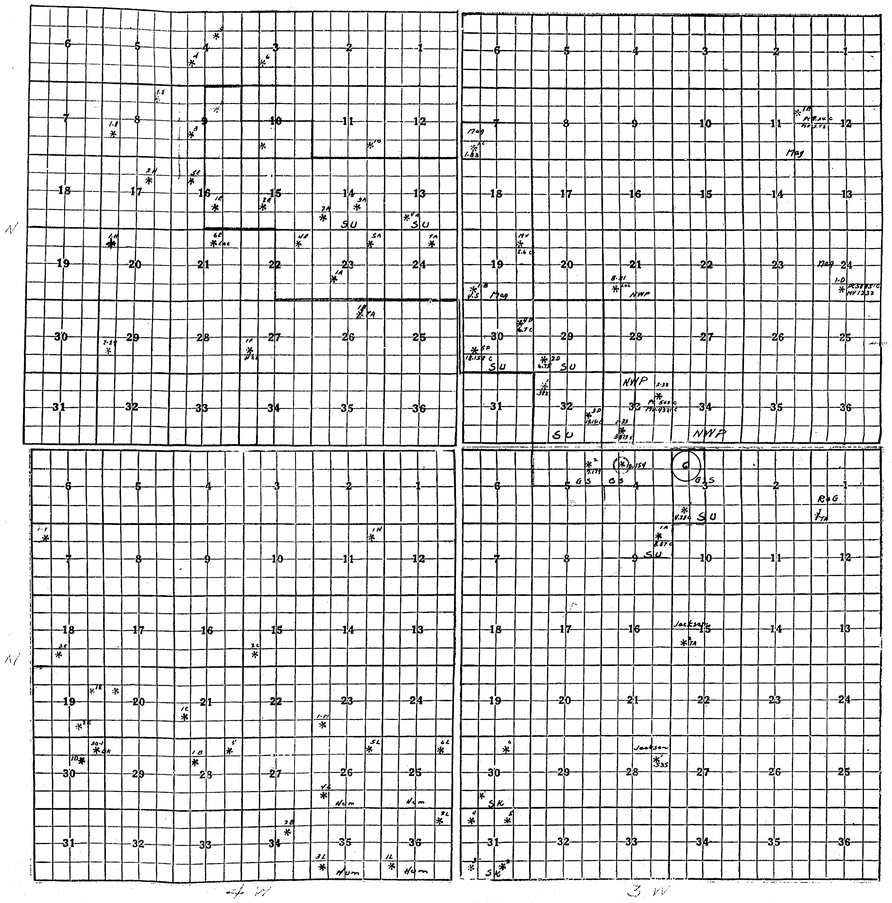
1120

Large Exhibits

No. 100B—TOWNSHIP PLAT, (1 inch scale) Printed and for sale by Hustler Press, Farmington, New Mexico

Township..... Range..... Township..... Range.....

..... Meridian..... Meridian



Township..... Range..... Township..... Range.....

..... Meridian..... Meridian

BEFORE THE OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO EXHIBIT NO. 1 CASE 1120

W.N.M.C.F. MICROGRAPHICS

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Case No.

1121

Large Exhibits

W.N.N.C.F. MICROGRAPHICS

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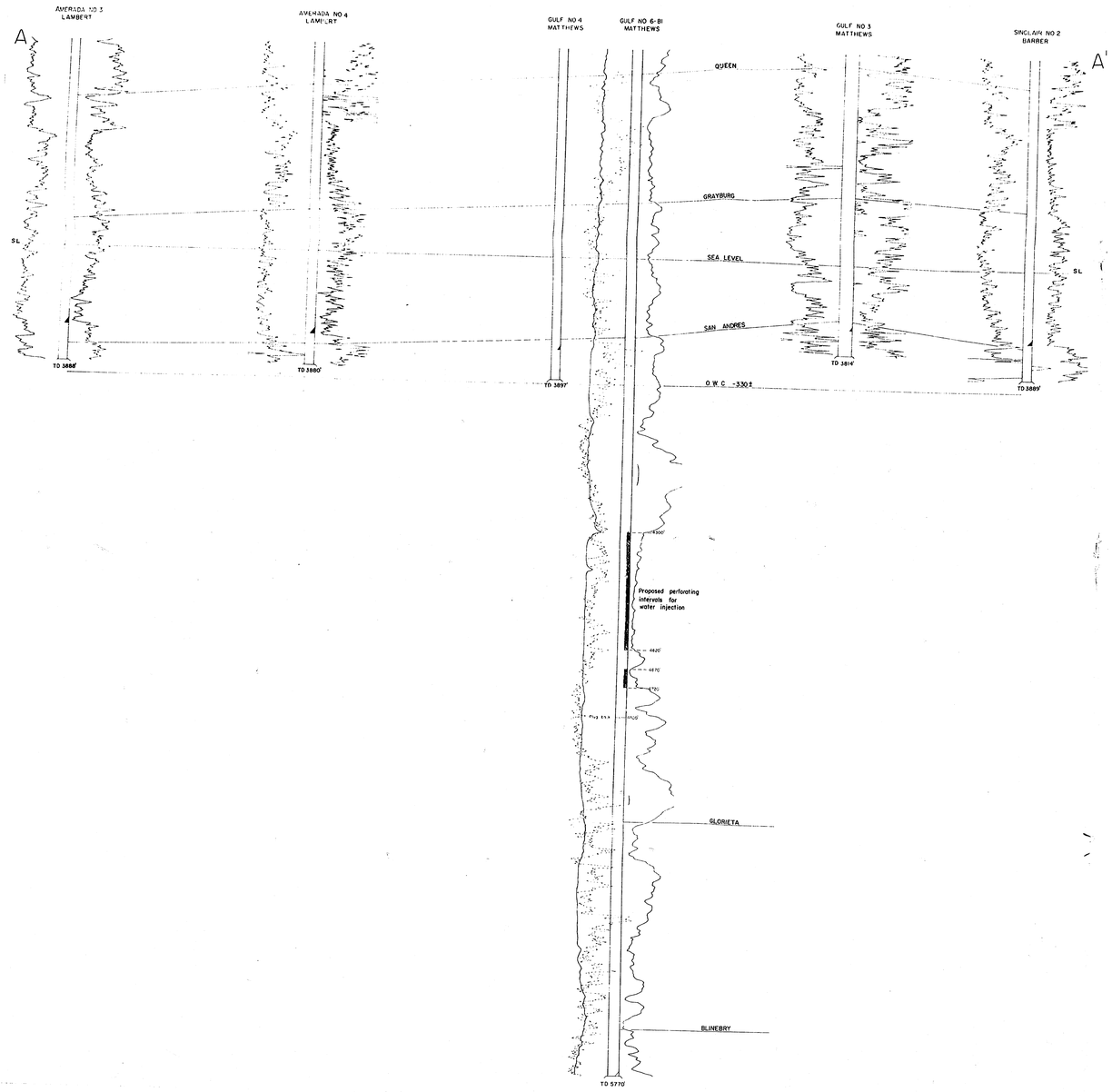

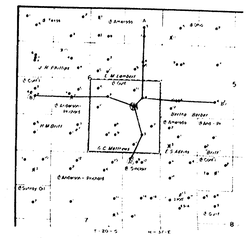

North-South cross section through proposed salt water injection well, Gulf No 6, Matthews.

GULF OIL CORP
EXHIBIT No. 1
CASE No. 1121

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
CASE NO. 1121 EXHIBIT NO. 1

W.P.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

W.S.H.C.F. MICROGRAPHICS

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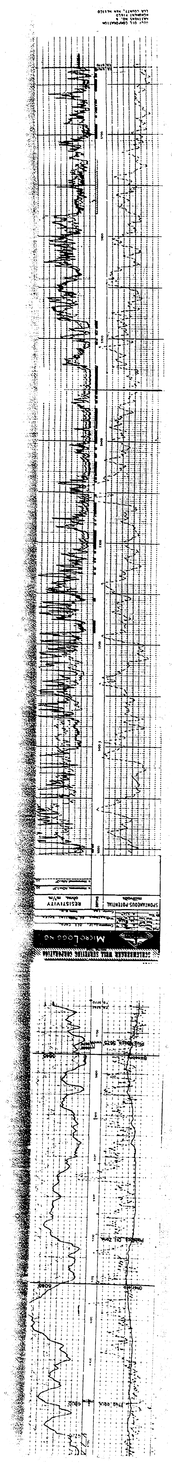

W.S.G.S. RIVERGRAMICS

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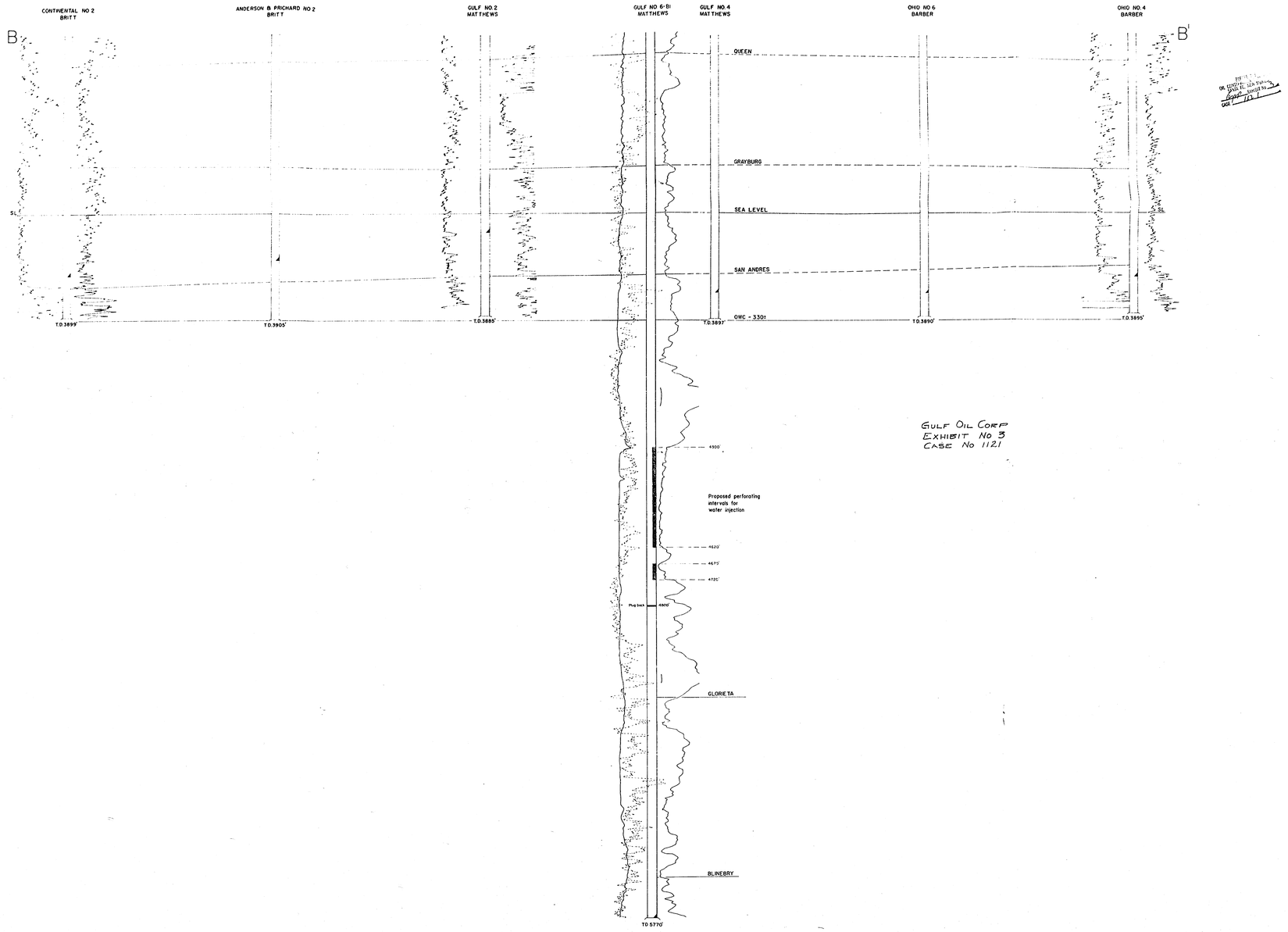

OIL CONSERVATION DIVISION
SANTA FE, NEW MEXICO
Exhibit No. 3
Case No. 1121

GULF OIL CORP
EXHIBIT NO 3
CASE NO 1121

U.S.D.C.P. MICROGRAPHICS

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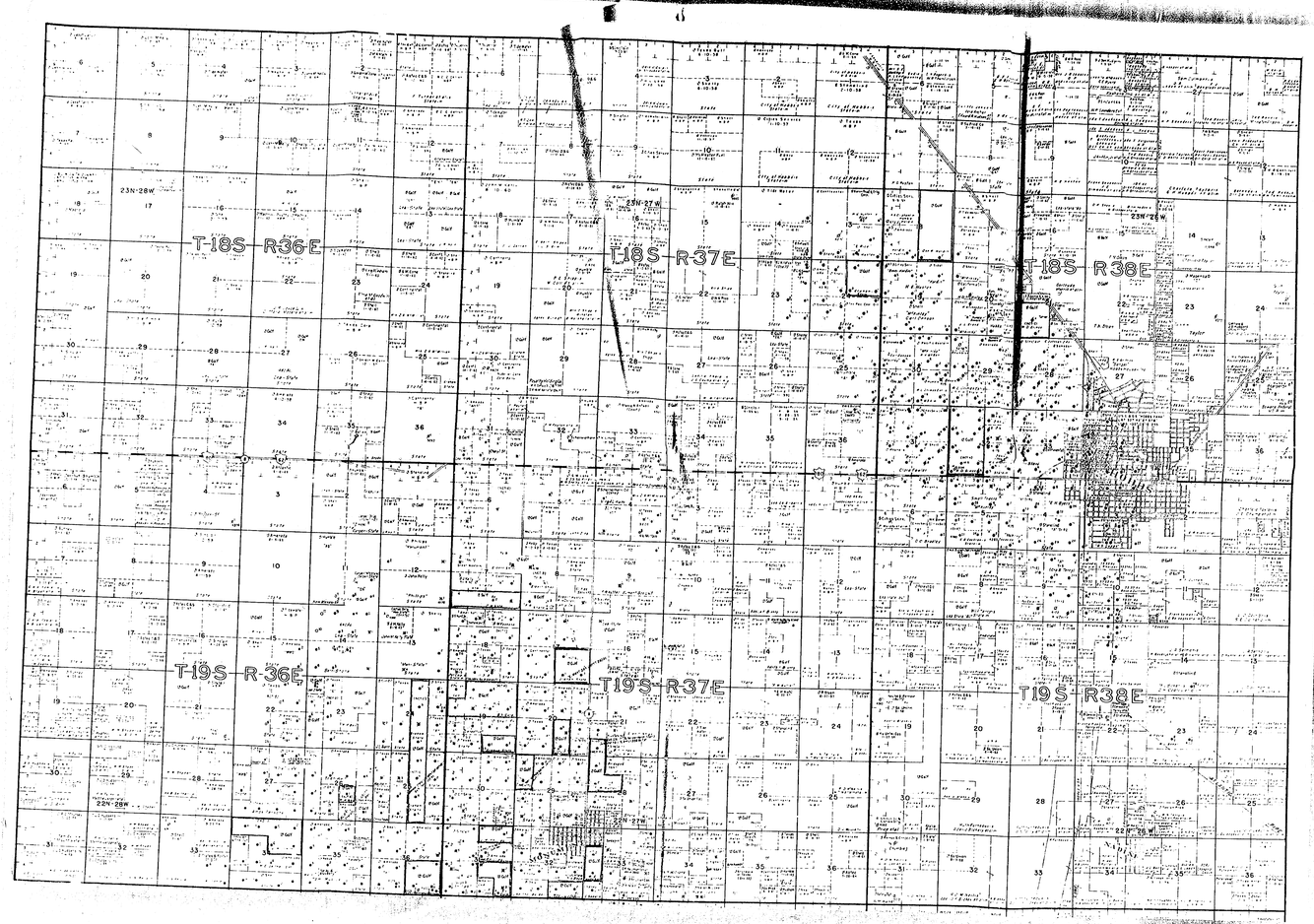

W.N.H.C.F. MICROGRAPHICS

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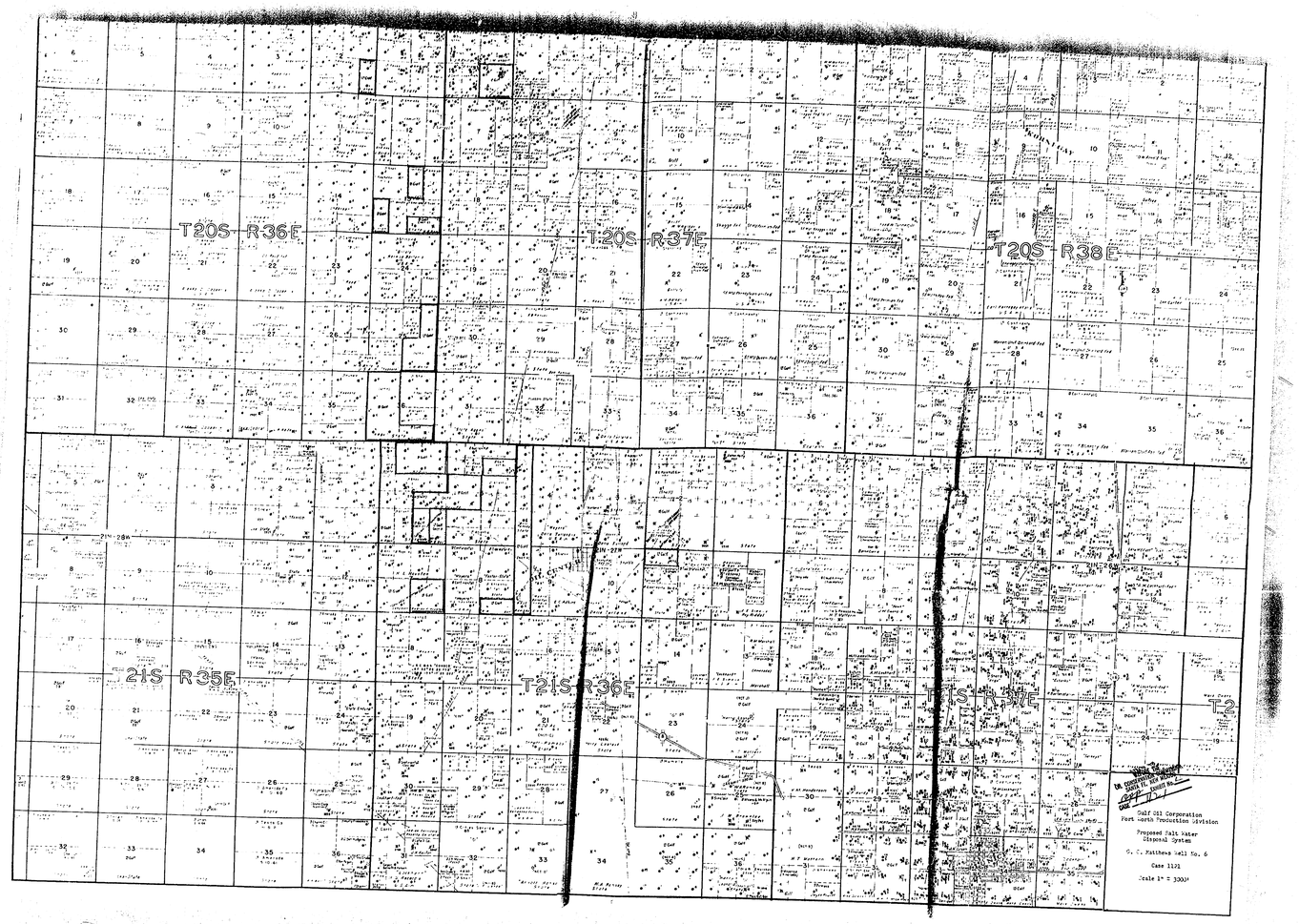


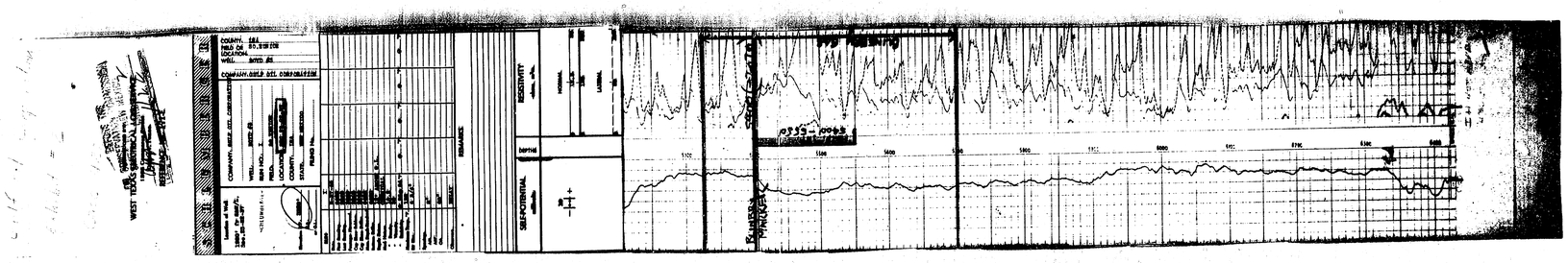
W.R.H.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

Case No.

1122

Large Exhibits



W.N.H.C.F. MICROGRAPHICS

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Case No.

1123

Large Exhibits

Case N. 1123
Ex. No 2

Reproduced By
West Texas Electrical Log Service
1309 Commerce Street
Dallas 1, Texas

REFERENCE No: A 1881 - B

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
EXHIBIT NO. 2
CASE NO. 1123

LANE-WELLS RADIOACTIVITY LOG

COMPANY: GULF OIL CORPORATION
WELL: WHITMIRE NO. 2
FIELD: MONUMENT
COUNTY: LEA STATE: N.MEX.
LOCATION: 660' FN 1980' FEL
SEC. 8-20S-37E

COMPANY | WELL | FIELD | COUNTY | STATE
GULF OIL CORP. | WHITMIRE NO. 2 | MONUMENT | LEA | N.MEX.

LOG MEAS. FROM TOP CELLAR 6'6" ELEV. 3566'
DRLG. MEAS. FROM ROTARY TABLE ELEV. 3566'
PERM. DATUM TOP CELLAR 6'6" ELEV. 3560'

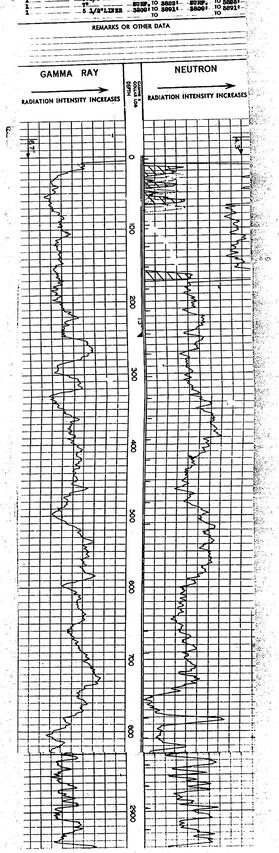
	GAMMA RAY	NEUTRON		
TYPE OF LOG	GAMMA RAY	NEUTRON		
RUN NO.	1 OF 2	1 OF 2		
DATE	1-8-58	1-8-58		
TOTAL DEPTH (DRILLER)	3850'	3850'		
EFFECTIVE DEPTH (DRILLER)	3850'	3850'		
TOP OF LOGGED INTERVAL	0	0		
BOTTOM OF LOGGED INTERVAL	3850'	3850'		
TYPE OF FLUID IN HOLE	WATER	WATER		
LEVEL	FULL	FULL		
MAXIMUM RECORDED TEMP.		80°		
NEUTRON SOURCE STRENGTH & TYPE		5 MC Ra-Be		
SOURCE SPACING — IN.		18"		
LENGTH OF MEASURING DEVICE — IN.	24"			
O.D. OF INSTRUMENT — IN.	2 5/8"	2 5/8"		
TOOL ZERO POSITIONS	0	0		
SHOOTING STAND PLANE	40	40		
STATISTICAL VARIATION — PK.				
SENSITIVITY REFERENCE	974	974		
RECORDED BY	KELLY	KELLY		
WITNESSED BY	CRAWFORD	CRAWFORD		

CASING RECORD

RUN NO.	BIT SIZE	CASING	WT.—LB.	FROM WELL RECORD	FROM RAY LOG
1		10"		SURF. TO 850'	SURF. TO 849'
1		7"	8 5/8"	SURF. TO 3566'	SURF. TO 3565'
1		5"		SURF. TO 3851'	SURF. TO 3850'
1		5 3/8"LINER		3500' TO 3851'	3500' TO 3850'
				TO	TO

REMARKS OR OTHER DATA

GAMMA RAY — RADIATION INTENSITY INCREASES →
NEUTRON — RADIATION INTENSITY INCREASES →



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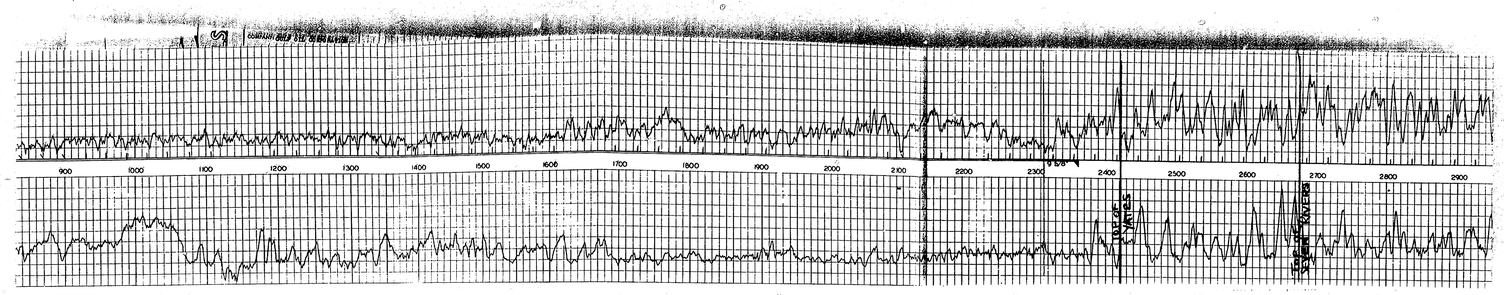

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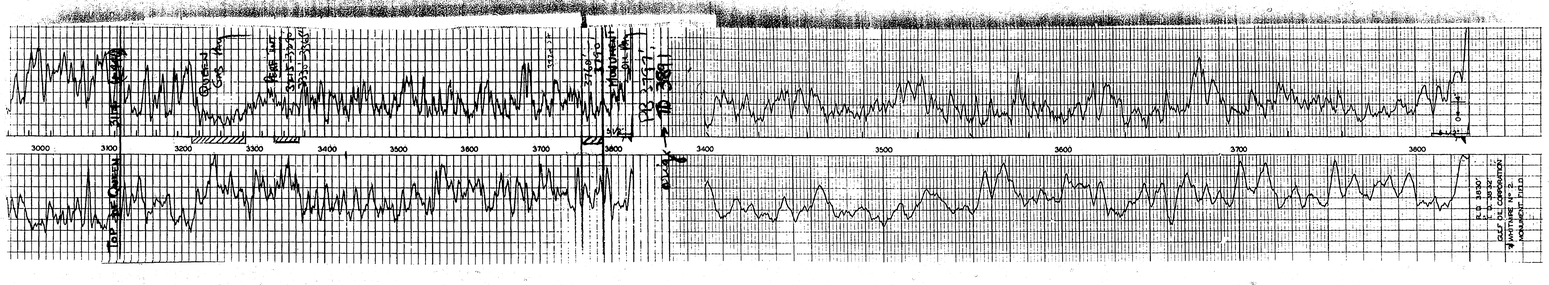

W.N.M.C.F. MICROGRAPHICS

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CASE No.

1124

Missing

Large Exhibits

OCD

W.N.M.C.F. MICROGRAPHICS

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Case No.

1125

Large Exhibits

W.N.M.C.F. MICROGRAPHICS

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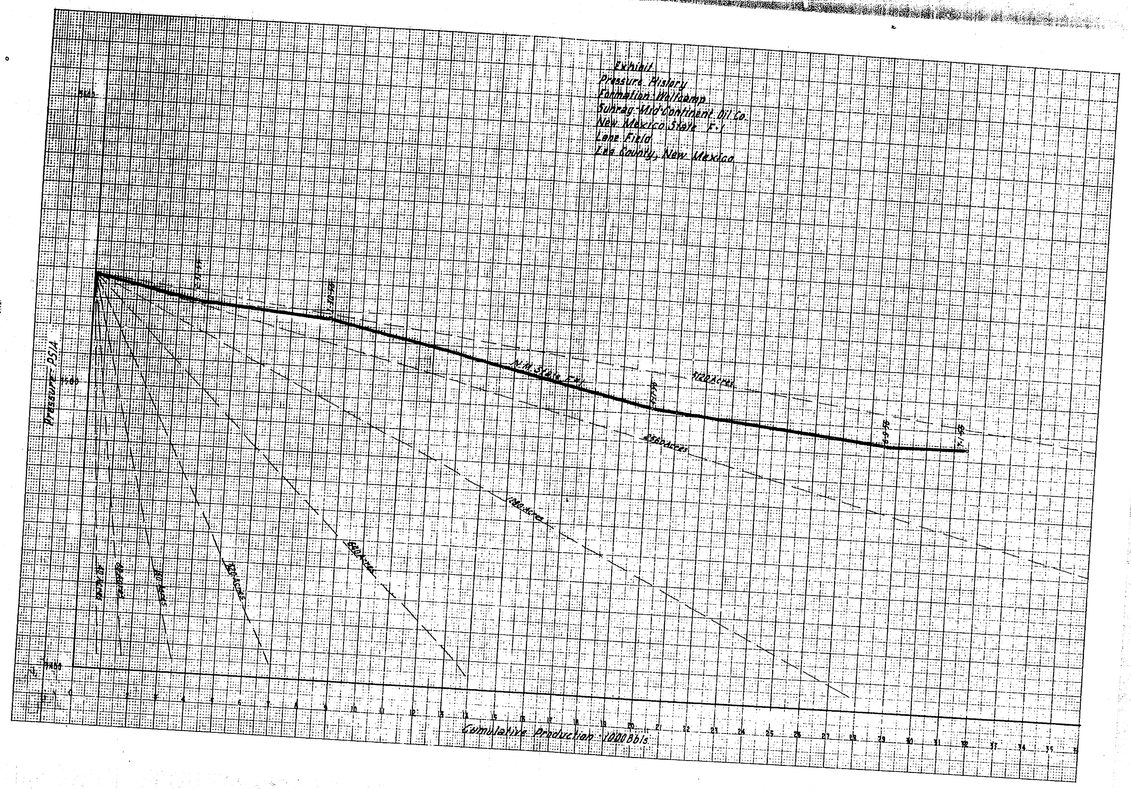

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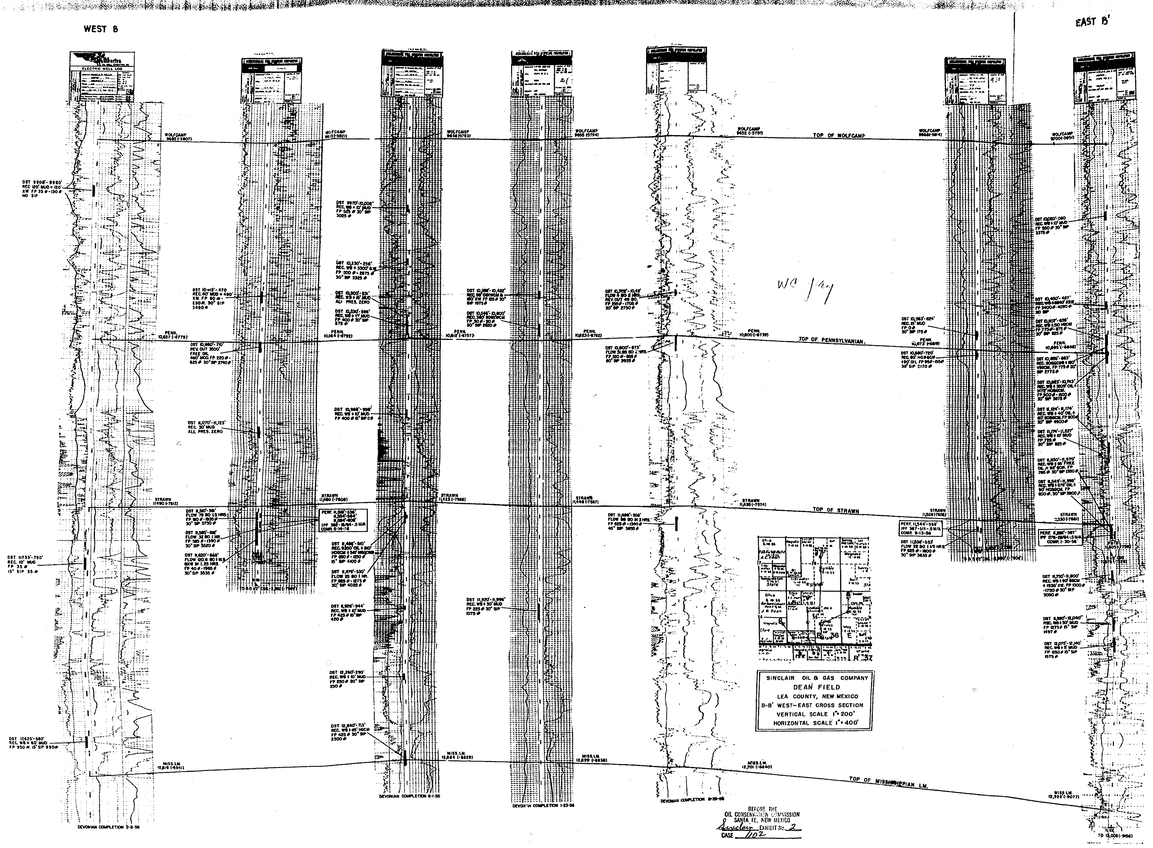

WC 1/27

BEFORE THE
OIL CONSERVATION DIVISION
SANTA FE, NEW MEXICO
Hearing Exhibit No. 2
CASE 102

W.N.M.C.F. MICROGRAPHICS

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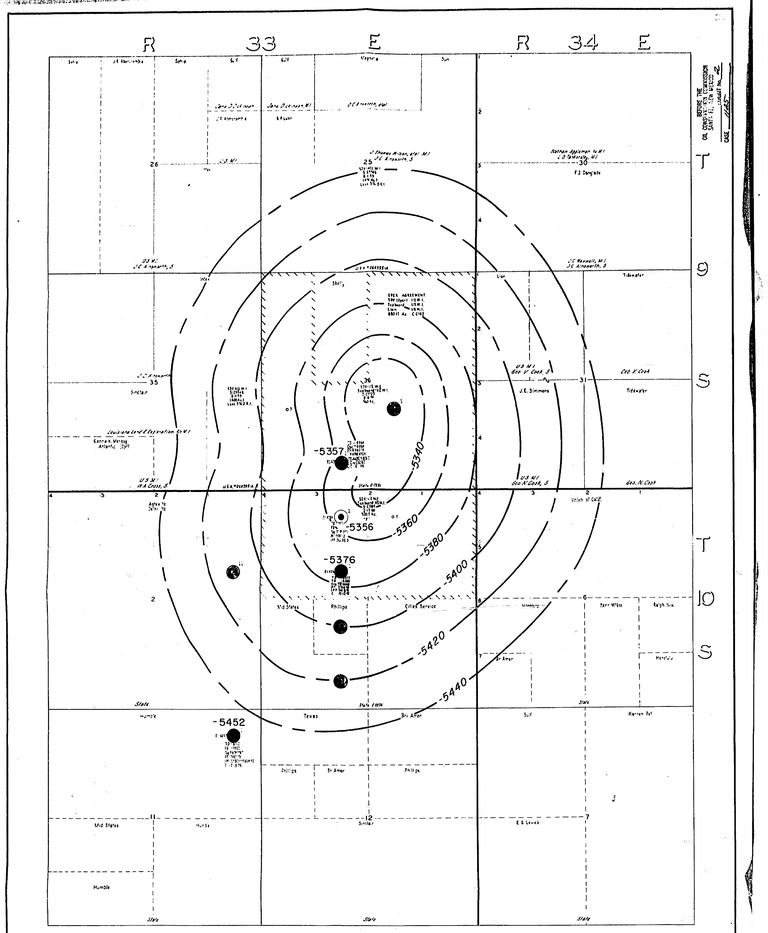
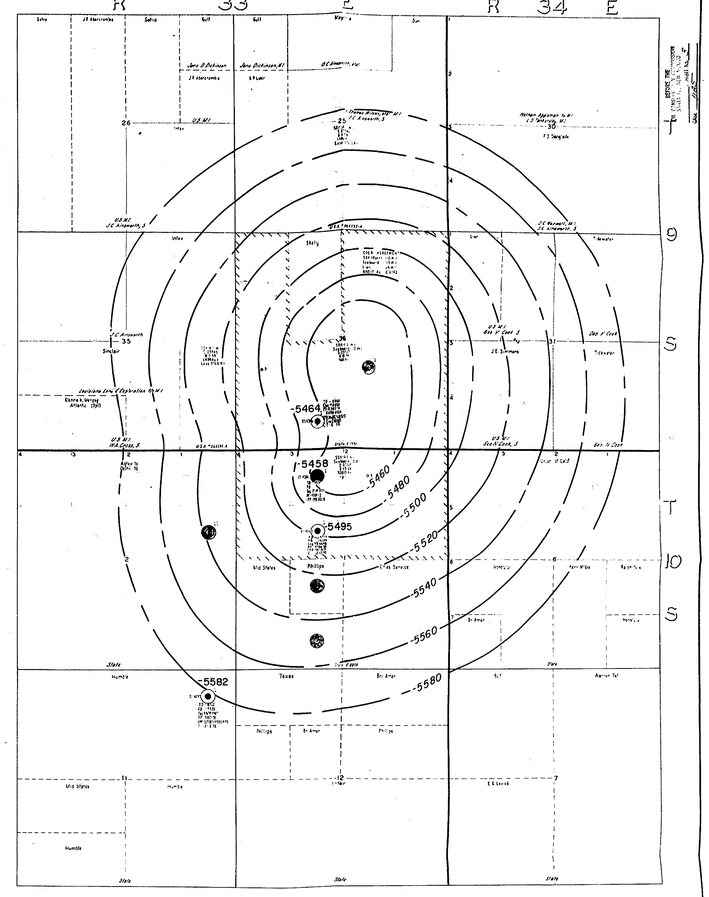


TOP OF WOLFCAMP PAY ZONE

- PRODUCING WELLS
- DRILLING WELLS

SUNRAY MID-CONTINENT OIL CO.
LANE FIELD
Portions of
Townships 9 & 10 S Ranges 33 & 34 E
County Lea State New Mexico.
1000 500 0 500 1000 2000
SCALE IN FEET
PREPARED BY EXPLORATION DRAFTING SECTION

8-9-56



TOP OF PENNSYLVANIAN *(CISCO)*

- PRODUCING WELLS
- DRILLING WELLS

SUNRAY MID-CONTINENT OIL CO.
LANE FIELD
Portions of
Townships 9 & 10 S Ranges 33 & 34 E
County Lea State New Mexico.
1000 500 0 500 1000 2000
SCALE IN FEET
PREPARED BY EXPLORATION DRAFTING SECTION

8-9-56

W.R.M.C.V. MICROGRAPHICS

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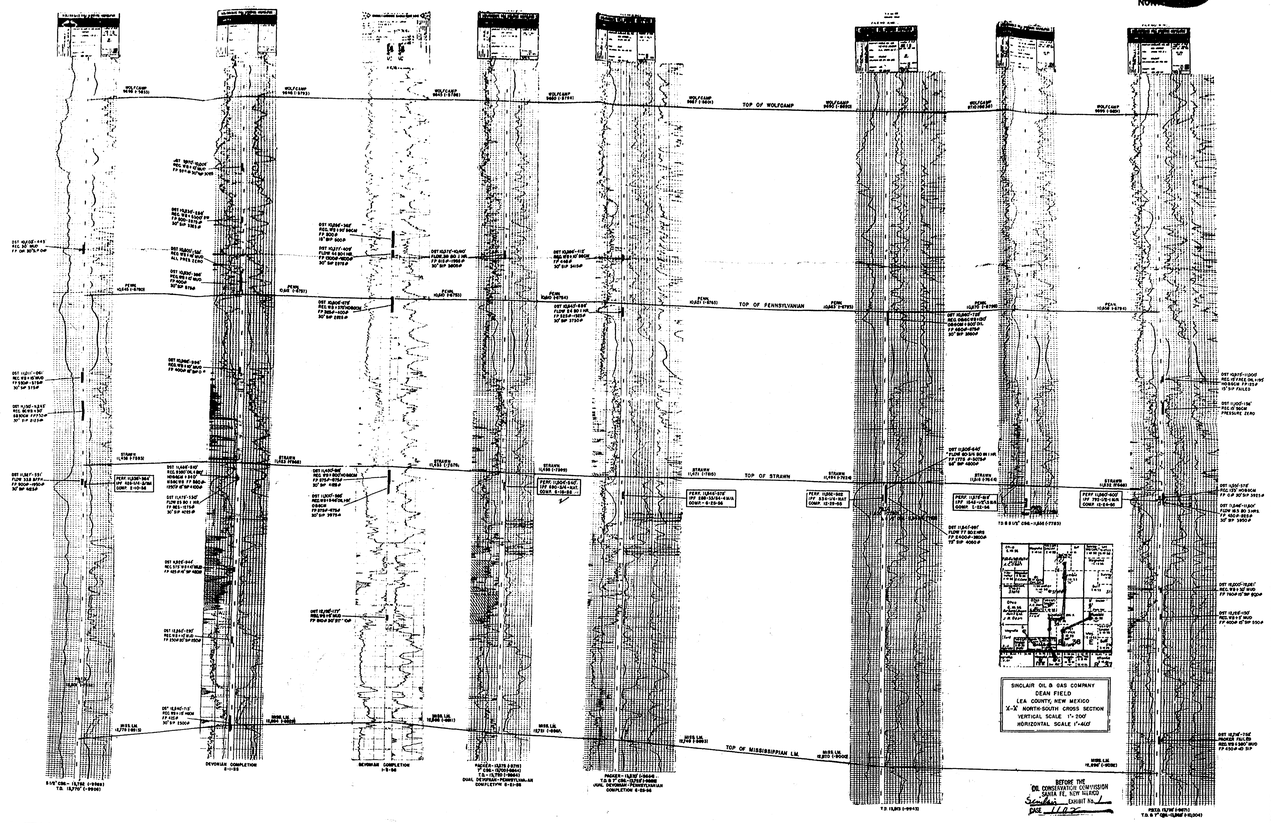
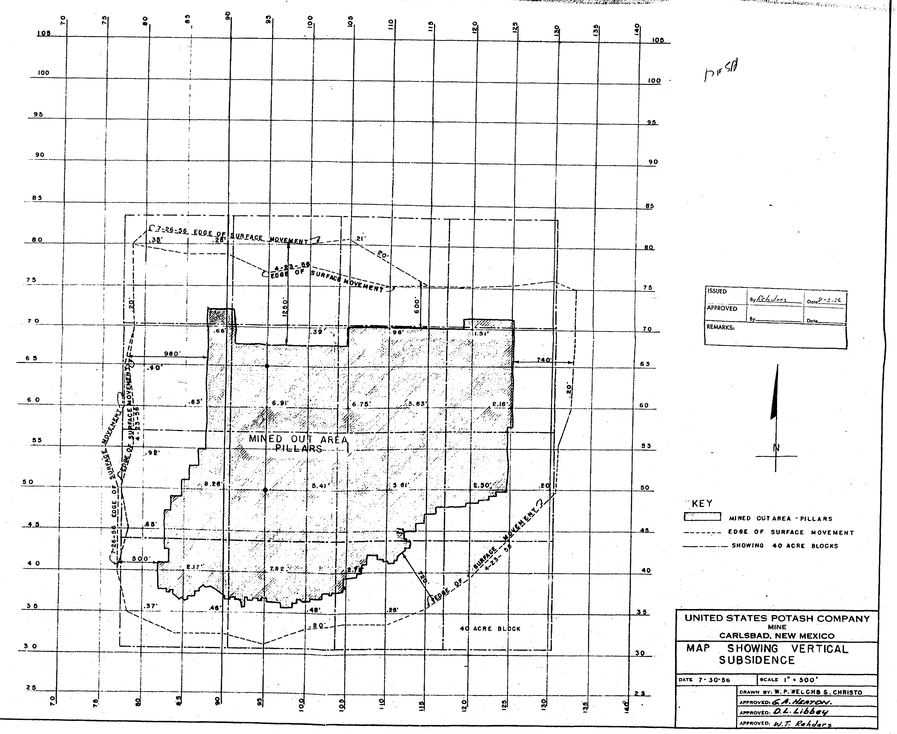
SOUTH A





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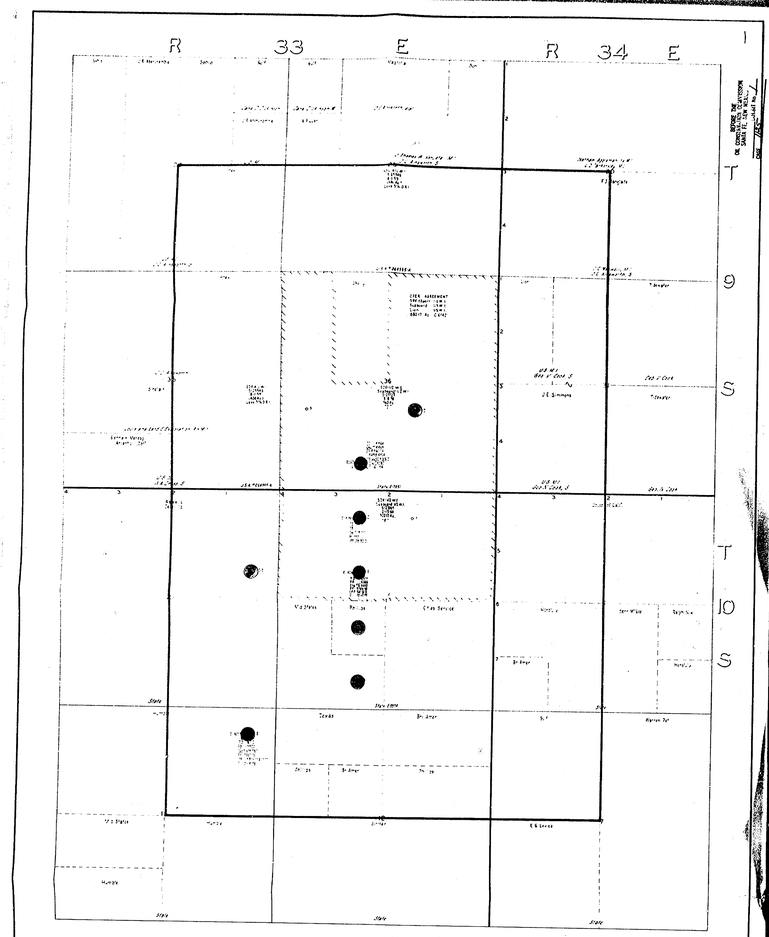
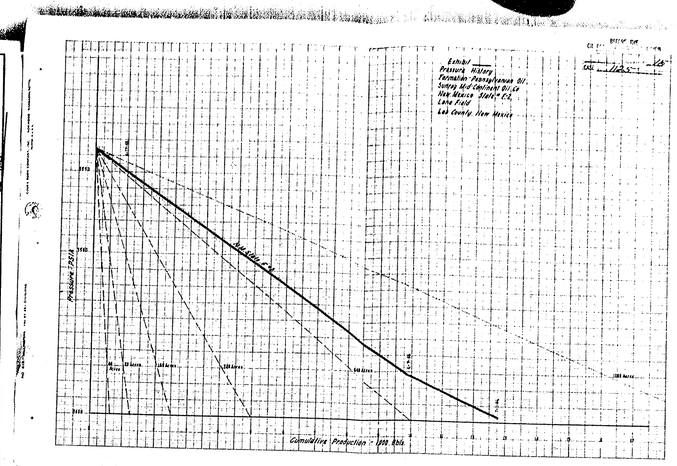


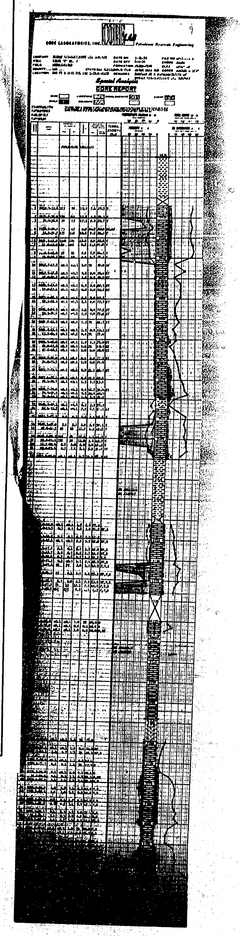
PRODUCING WELLS

DRILLING WELLS

SUNRAY MID-CONTINENT OIL CO.
LANE FIELD
Portions of
Townships 9 & 10 S. Ranges 33 & 34 E.
County Lea State New Mexico.
1000 500 0 500 1000 2000
SCALE IN FEET
PREPARED BY EXPLORATION DRAFTING SECTION

8-9-56





W.N.M.C.F. MICROGRAPHICS
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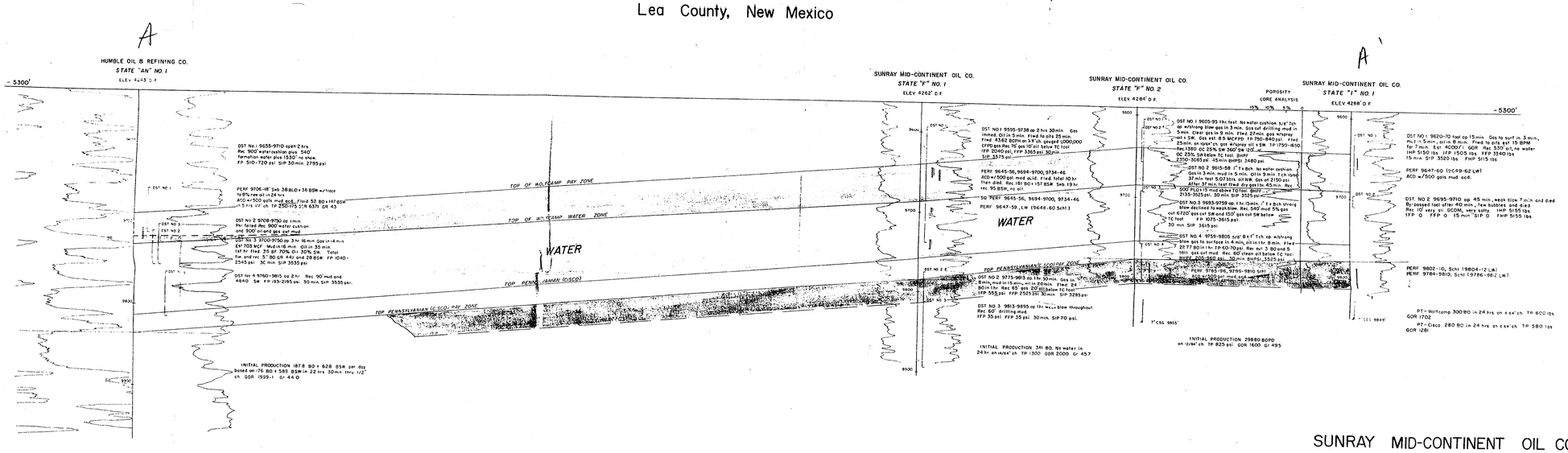
BEFORE THE
OIL CONSERVATION
SANTA FE, NEW MEXICO
EXHIBIT NO. 4
CASE 1726

CROSS SECTION WITH GAMMA RAY NEUTRON LOGS

Lane Field

Lea County, New Mexico



SUNRAY MID-CONTINENT OIL CO.

8-9-56

W.N.M.C.F. MICROGRAPHICS

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CASE No.

1126+1127

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Large Exhibits

OCD

W.N.M.C.F. MICROGRAPHICS

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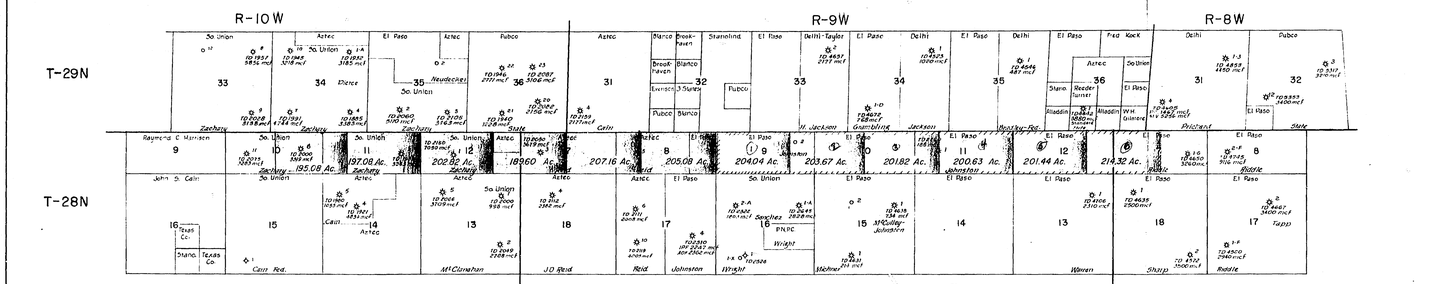
Case No.

1128

Large Exhibits

EL PASO NATURAL GAS



PLAT ACCOMPANYING APPLICATION FOR
PROPOSED NON-STANDARD PRORATION UNITS

Unorthodox Proration units established by Order No. R-658

Proposed Non-Standard Proration Units

W.N.M.C.F. MICROGRAPHICS

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CASE NO.

1129

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Large Exhibits

OCD

W.N.M.C.F. MICROGRAPHICS

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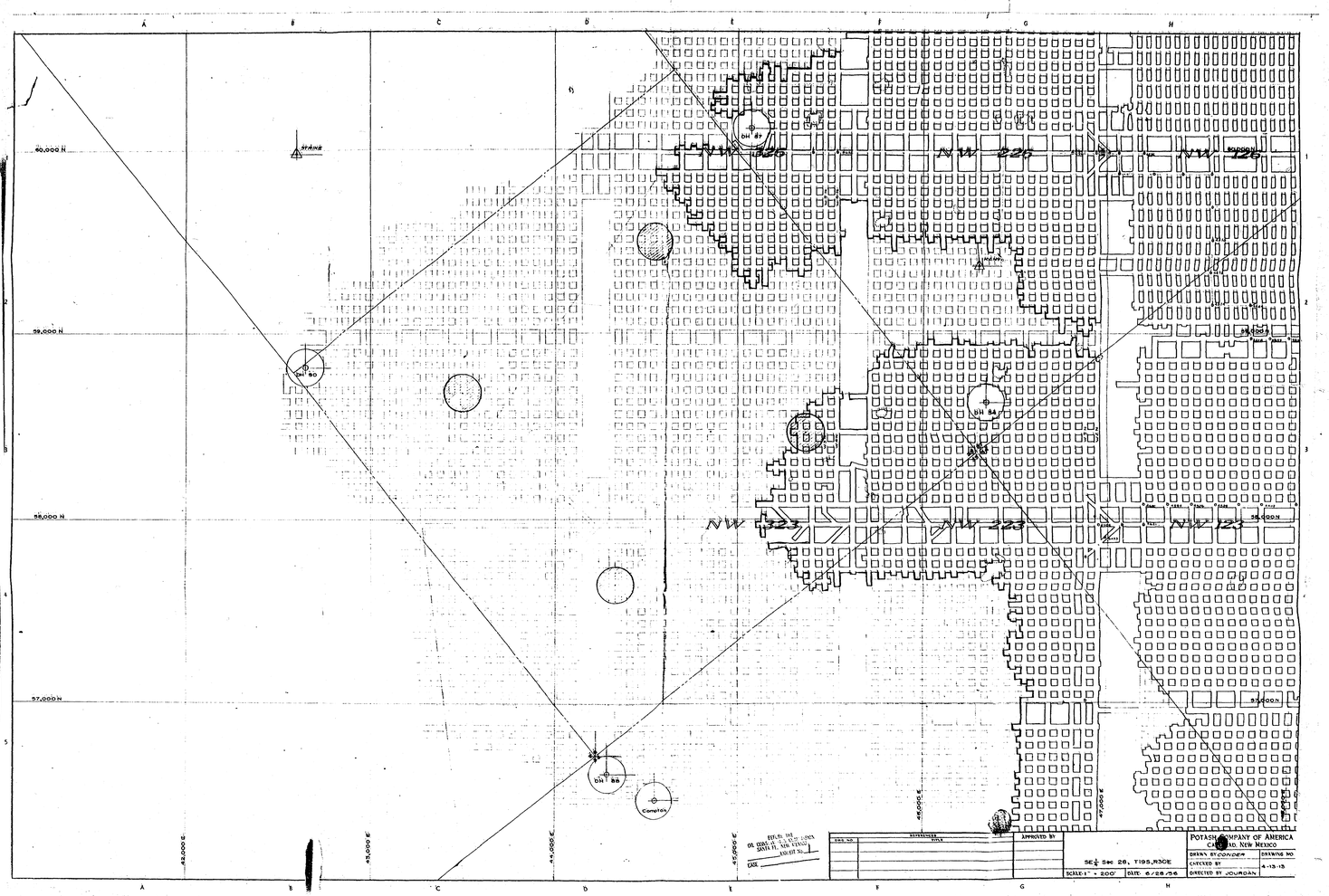
Case No.

1130

Large Exhibits



U.S.G.S. PHOTOGRAPHIC

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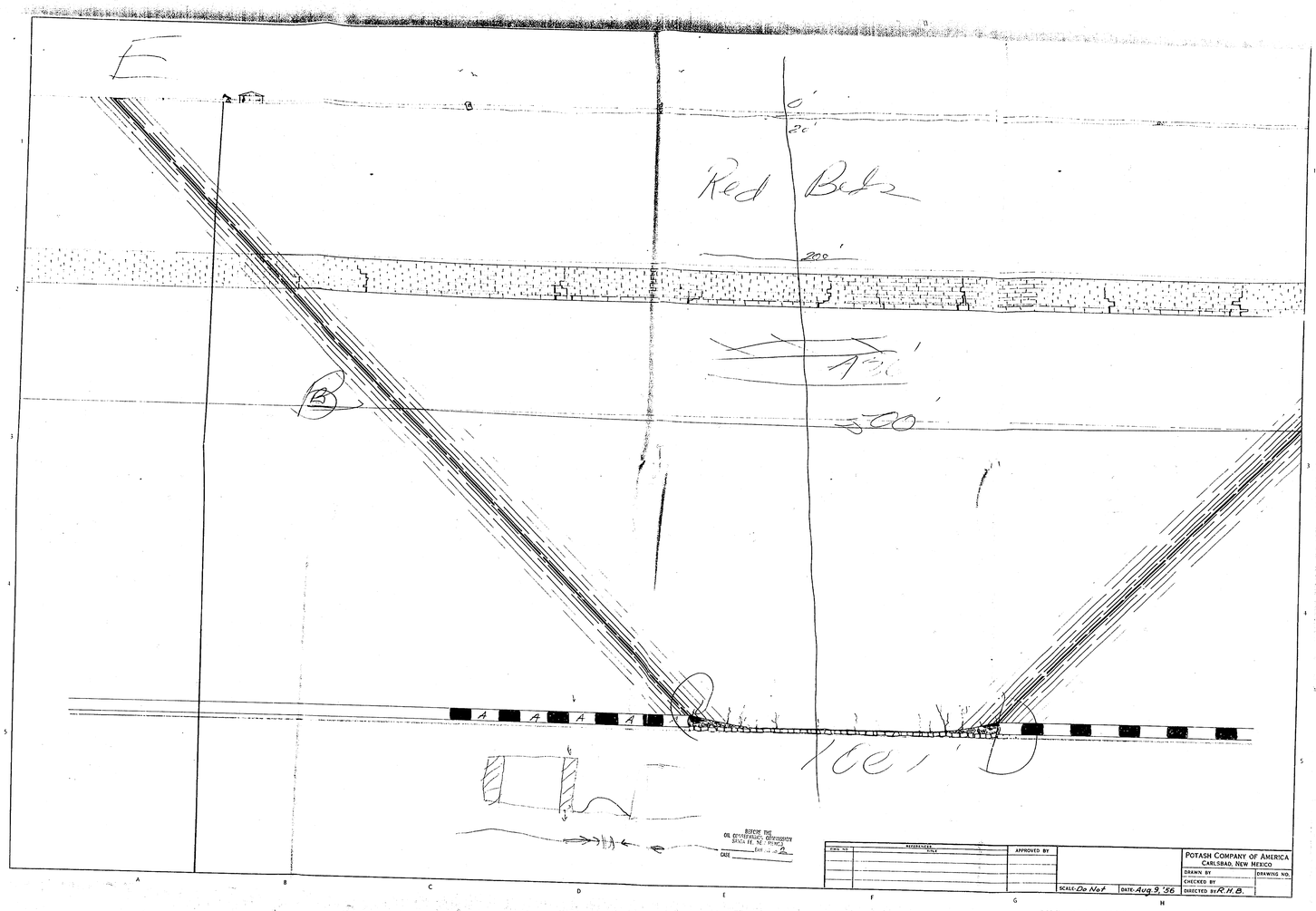

REFERENCES	APPROVED BY	POTASH COMPANY OF AMERICA
DWG. NO. / TITLE		CARLSBAD, NEW MEXICO
		DRAWN BY / DRAWING NO.
		CHECKED BY
SCALE: Do Not	DATE: Aug. 9, '56	DIRECTED BY: R.H.B.

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

W.N.M.C.F. MICROGRAPHICS
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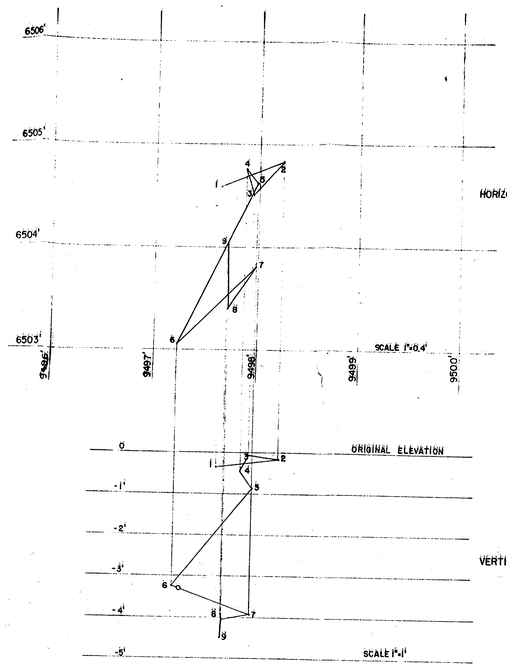
STATION 65N-95E

DATE

1. 9-15-55
2. 11-29-55
3. 12-21-55
4. 1-25-56
5. 2-24-56
6. 3-24-56
7. 4-25-56
8. 5-29-56
9. 6-26-56



BEFORE THE OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO EXHIBIT No. 5 CASE

ISSUED	Whitaker	Dec 12-55
APPROVED	By	Date
REMARKS:		

UNITED STATES POTASH COMPANY
MINE
CARLSBAD, NEW MEXICO

MAP SHOWING HORIZONTAL DISPLACEMENT & VERTICAL SUBSIDENCE OF STATION 65N-95E

DATE 8-2-56 SCALE AS SHOWN

DRAWN BY: SAM CHRISTO
APPROVED: E.A. Hedrow
APPROVED: D.L. Libbey
APPROVED: W.T. Whitaker

3

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Stipulations to be executed and made part of any oil and gas lease involving lands described in the Departmental Notice of October 16, 1951.

The lessee further agrees that:

(1) No wells will be drilled for oil or gas in formations above the base of the Delaware sand, or above a depth of 5,000 feet, whichever is the lesser, except upon approval of the Director of the Geological Survey, it being understood that drilling for production in these formations will be permitted only in the event that it is satisfactorily established that such drilling will not interfere with the mining and recovery of potash deposits or the interest of the United States would best be subserved thereby.

(2) No wells will be drilled for oil or gas in formations below the base of the Delaware sand, or below a depth of 5,000 feet, whichever is the lesser, except pursuant to a unit plan approved by the Director of the Geological Survey, unless drilling is otherwise required or approved by the Director to protect the lease from drainage

(3) No wells will be drilled for oil or gas at a location which, in the opinion of the Oil and Gas Supervisor of the Geological Survey, would result in undue waste of potash deposits or constitute a hazard to or unduly interfere with mining operations being conducted for the extraction of potash deposits

(4) The drilling or the abandonment of any well on said lease shall be done in accordance with applicable oil and gas operating regulations including such requirements in the Oil and Gas Supervisor of the Geological Survey may prescribe as necessary to prevent the infiltration of oil, gas, or water into formations containing potash deposits or into mines or workings being utilized in the extraction of such deposits

Signature of Officer or Lessee

Exhibition-Duplicating Section, Washington, D. C.

3

3

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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BEFORE THE OIL CONS. COM. SANTA FE, NEW MEXICO
EXHIBIT No. 2
CASE 130

Signature of Officer or Lessee

Exhibition-Duplicating Section, Washington, D. C.

3

W.N.M.C.P. MICROGRAPHICS

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U.S.G.S. RIDGECREST

BEST AVAILABLE COPY

U.S.G.S. RIDGECREST

BEST AVAILABLE COPY

UNITED STATES POTASH COMPANY
MINE
CARLSBAD, NEW MEXICO

MAP SHOWING HORIZONTAL DISPLACEMENT & VERTICAL SUBSIDENCE OF STATION 50N-96E

DATE	8-2-56
SCALE	AS SHOWN
DRAWN BY:	SAM CHRISTO
APPROVED:	C.A. Hayden
APPROVED:	O.L. Liddell
APPROVED:	W.T. Pershing

ISSUED	W.T. Pershing	June 15,	1956
APPROVED		Date	
REMARKS:			

REVISED AND CORRECTED DUE TO EXPANSION OF NEW MEXICO SCALE 51, NEW MEXICO January 30, 1956

DATE

SCALE 1"=1'

SCALE 1"=0.4'

HORIZONTAL DISPLACEMENT

VERTICAL SUBSIDENCE

ORIGINAL ELEVATION

STATION 50N-96E

DATE

1. 9-19-55
2. 11-29-55
3. 12-21-55
4. 1-25-56
5. 2-24-56
6. 3-24-56
7. 4-25-56
8. 5-29-56
9. 6-26-56

CASE No.

11310 1135

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Large Exhibits

OCD

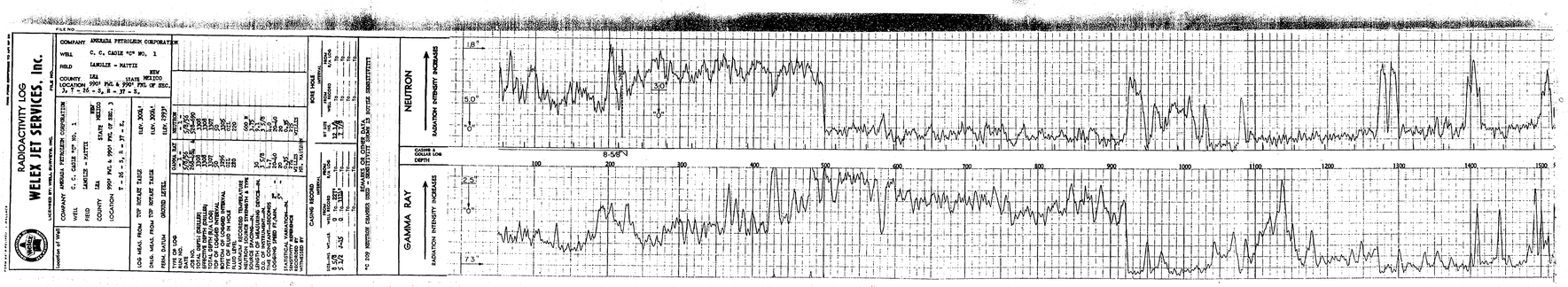
W.N.H.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

Case No.

1136

Large Exhibits



M.N.M.C.F. MICROGRAPHICS

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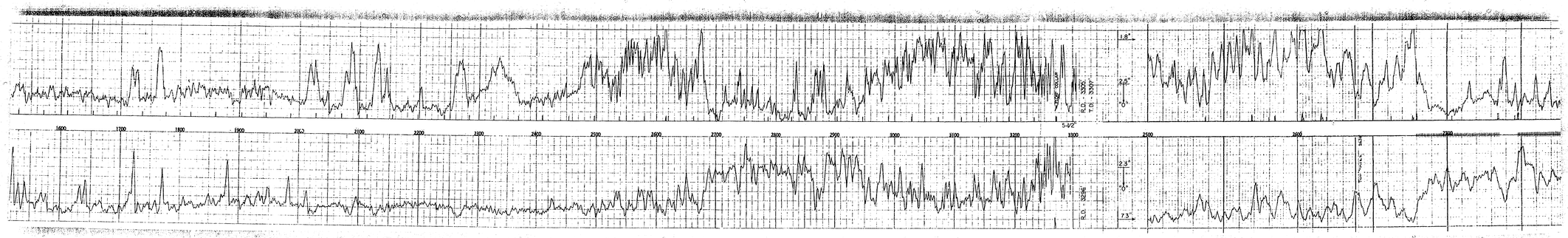

M.F.H.C.F. MICROGRAPHICS

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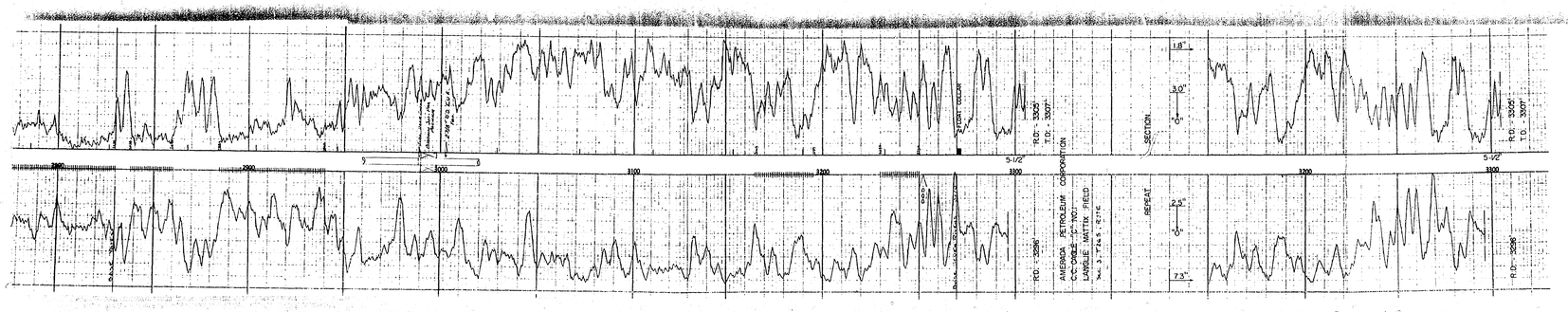
M.F.H.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

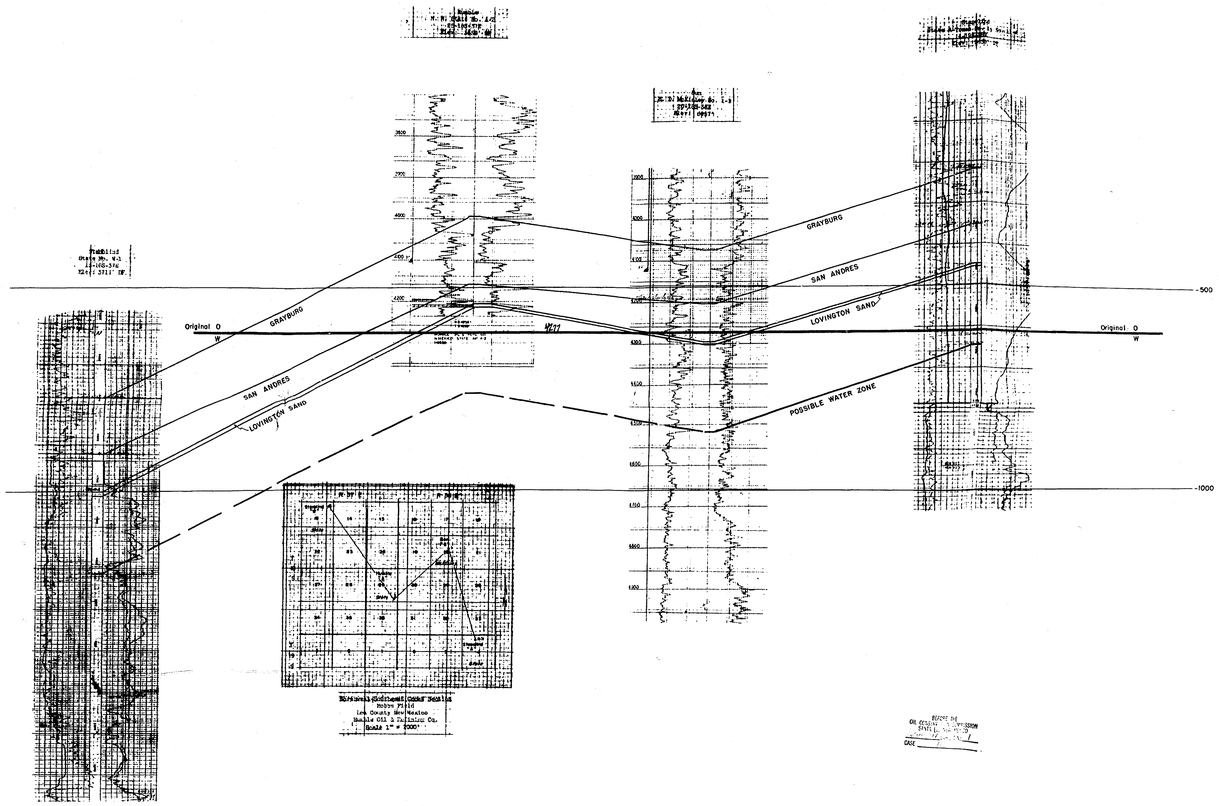


M.N.M.C.F. MICROGRAPHICS
BEST AVAILABLE COPY

Case No.

137

Large Exhibits



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

CASE NO.

1138

Missing

Large Exhibits

OCD

W.N.M.C.F. MICROGRAPHICS

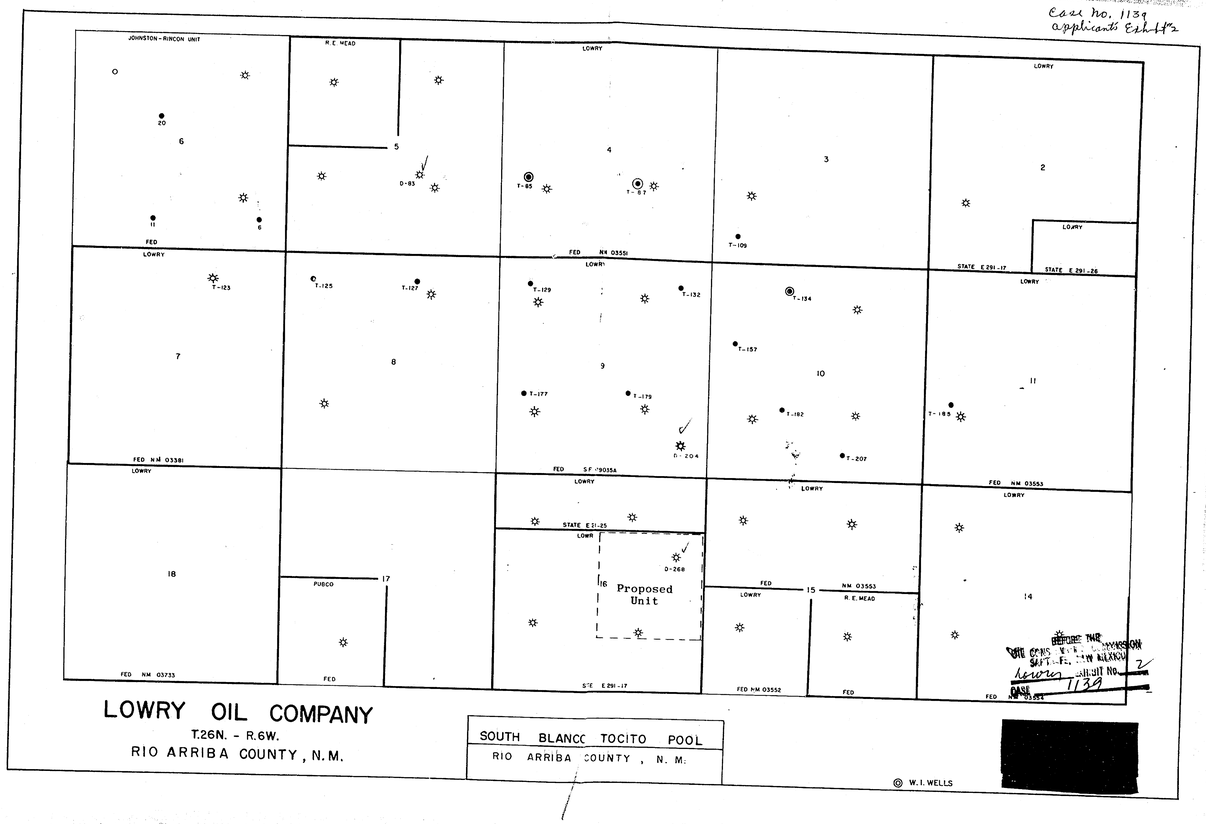
BEST AVAILABLE COPY

Case No.

1139

Large Exhibits

Case No. 1139
applicant's Exhibit #2



LOWRY OIL COMPANY
T.26N. - R.6W.
RIO ARRIBA COUNTY, N.M.

SOUTH BLANCO TOCITO POOL
RIO ARRIBA COUNTY, N. M.

© W.I. WELLS

BEFORE THE OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
Lowry EXHIBIT NO. 2
CASE 1139

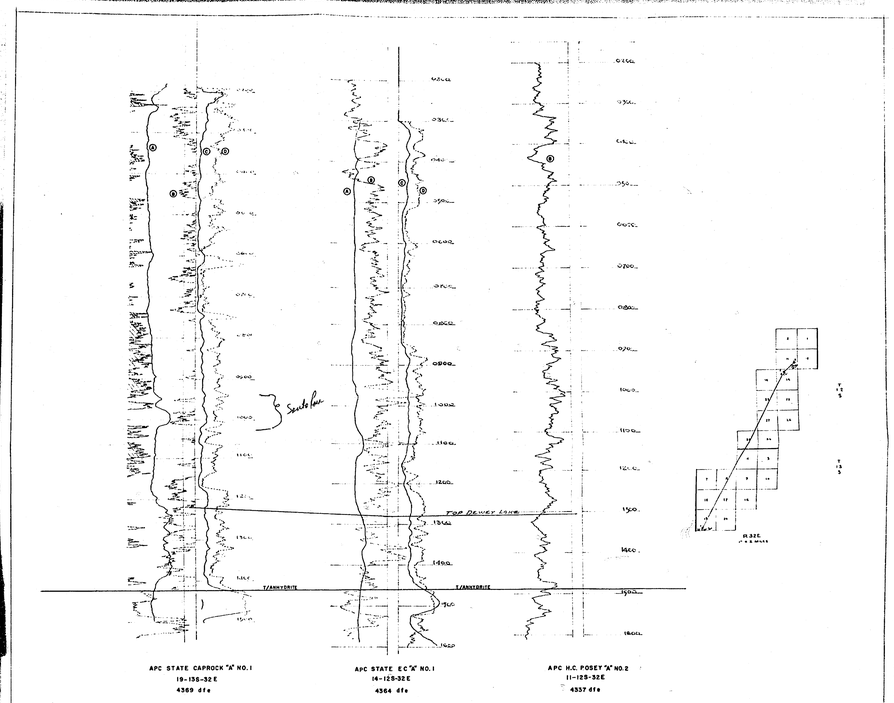
W.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

Case No.

1142

Large Exhibits



APC STATE CAPROCK "A" NO. 1
19-15S-32 E
4369 dfe

APC STATE E.C."A" NO. 1
14-12S-32 E
4364 dfe

APC H.C. POSEY "A" NO. 2
11-12S-32 E
4357 dfe

NW LEA COUNTY

LOWER TRIASSIC-UPPER PERMIAN

VERTICAL SCALE 1" = 100'
NO HORIZONTAL SCALE

Ⓐ S P CURVE
Ⓑ GAMMA RAY
Ⓒ 10" NORMAL
Ⓓ 32" LIMESTONE LATERAL

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
EXHIBIT No. 2
CASE 1142

W.N.M.C.F. MICROGRAPHICS

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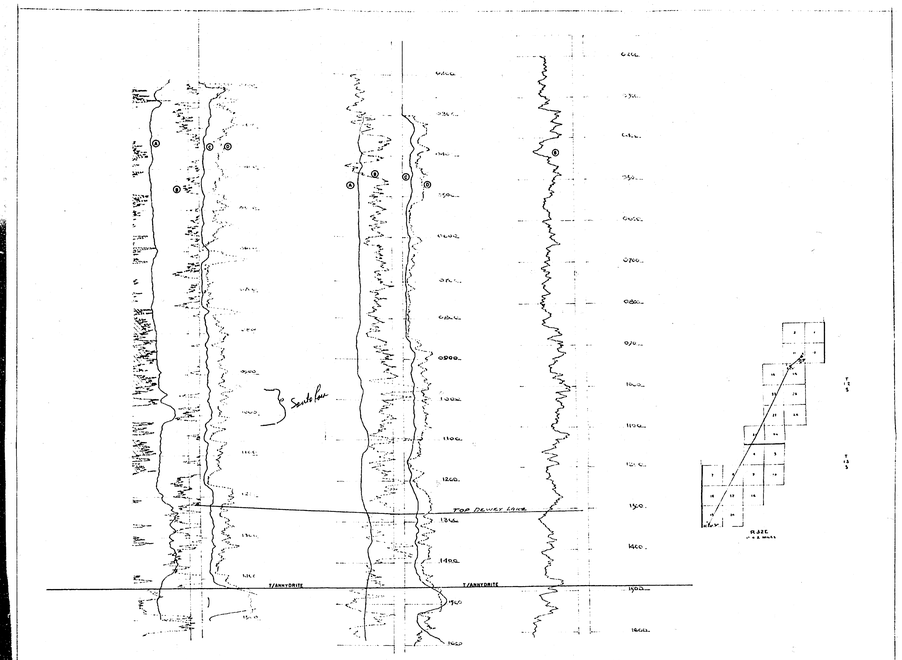
Case No.

1142

Large Exhibits



NW LEA COUNTY

LOWER TRIASSIC-UPPER PERMIAN

VERTICAL SCALE 1" = 100'
NO HORIZONTAL SCALE

Ⓐ S P CURVE
Ⓑ GAMMA RAY
Ⓒ 10" NORMAL
Ⓓ 32" LIMESTONE LATERAL

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
Case No. 1142 Exhibit No. 3
Date 7-19-51

W.N.M.C.F. MICROGRAPHICS
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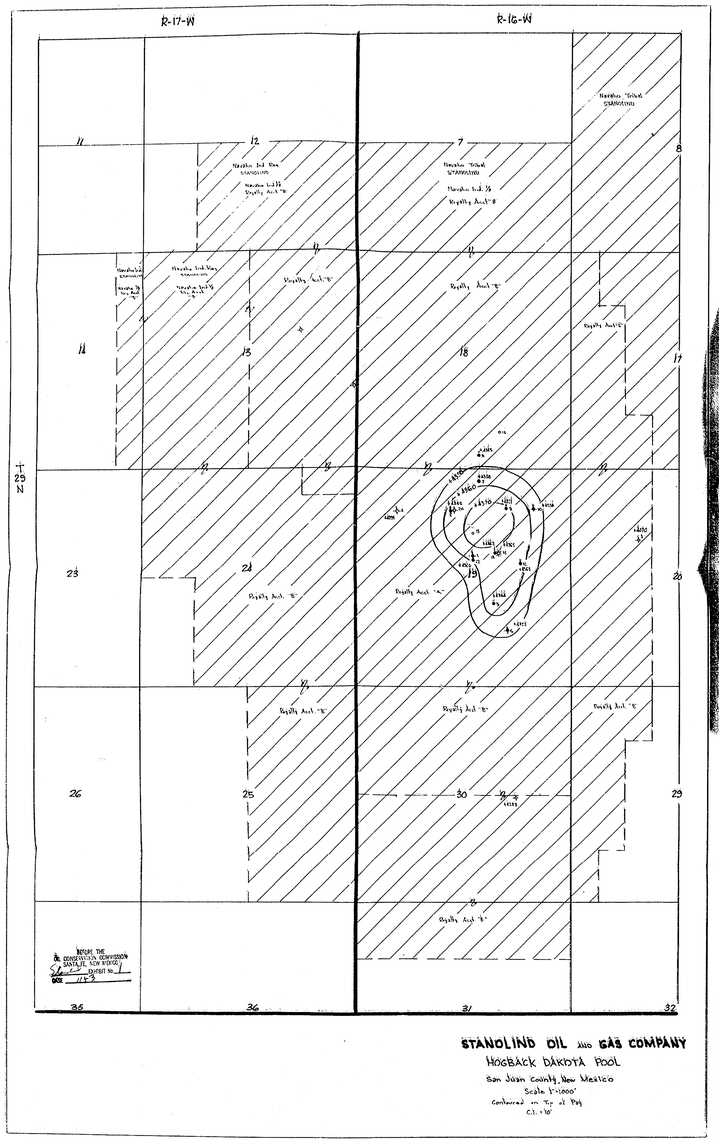

STANOLIND OIL AND GAS COMPANY

HOGBACK DAKOTA POOL

San Juan County, New Mexico

Scale 1"=1000'

Contoured on Top of Pay

C.I. = 10'

Case No.

1143

Large Exhibits

N.M.M.C.F. MICROGRAPHICS
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N.M.M.C.F. MICROGRAPHICS
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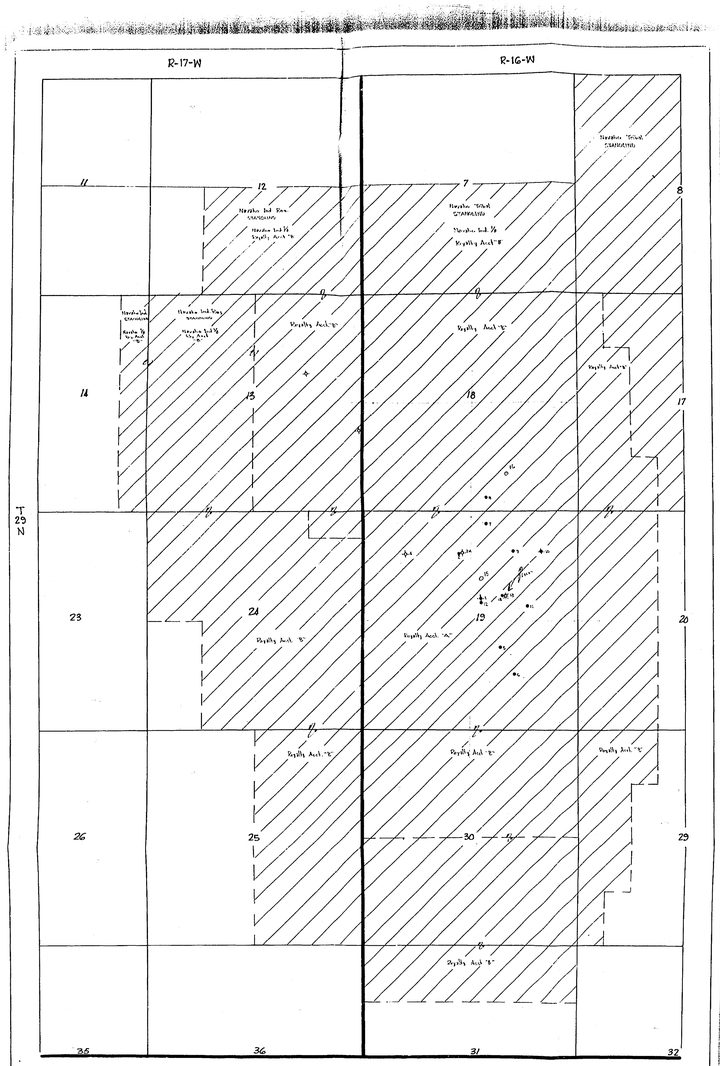

STANOLIND OIL AND GAS COMPANY

HOGBACK DAKOTA POOL

San Juan County, New Mexico

M.S.H.C.P. MICROGRAPHICS

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M.S.H.C.P. MICROGRAPHICS

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Case No.

1144

Large Exhibits

LANE WELLS

Radioactivity Log

COMPANY: AMERADA PET. CORP.
WELL: SARA PHILLIPS NO. 2
FIELD: MONUMENT
COUNTY: LEA STATE: N. MEX.
LOCATION: NE 1/4 OF NW 1/4 OF SEC. 33, T-19-S, R-37-E

Location of Well

LOG MEAS. FROM TOP CELLAR FLOOR + 10' ELEV. ft
DRLG. MEAS. FROM TOP CELLAR FLOOR + 10' ELEV. ft
PERM. DATUM TOP CELLAR FLOOR ELEV. ft

TYPE OF LOG	GAMMA RAY	NEUTRON		
RUN NO.	ONE ONLY	ONE ONLY		
DATE	12-6-55	12-6-55		
TOTAL DEPTH (DRILLER) BASE	3910	3910		
EFFECTIVE DEPTH (DRILLER)	3910	3910		
TOP OF LOGGED INTERVAL	SURFACE	SURFACE		
BOTTOM OF LOGGED INTERVAL	3908	3909		
TYPE OF FLUID IN HOLE	OIL	OIL		
FLUID LEVEL		3021		
MAXIMUM RECORDED TEMP.				
SOURCE STRENGTH & TYPE		50MC		
SOURCE SPACING — IN.		6.25		
LENGTH OF MEASURING DEVICE — IN.	36"	3.63"		
O.D. OF INSTRUMENT — IN.	1 5/8"	1 5/8"		
TIME CONSTANT — SECONDS	2.0	3.0		
LOGGING SPEED FT./MIN.	10-30	10-30		
STATISTICAL VARIATION — IN.				
SENSITIVITY REFERENCE	8"	275		
RECORDED BY	SCHLUMBERGER			
WITNESSED BY	TROUP	TROUP		

WELL RECORD

RUN NO.	BIT SIZE	CASING	WT.—LB.	FROM	WELL RECORD	TO	FROM	LOG	TO
ONE	7 7/8"	13 3/8"		SURFACE	TO	365	SURFACE	TO	
ONE	7 7/8"	8 5/8"		SURFACE	TO	3097	SURFACE	TO	
ONE	7 7/8"	5 1/2"	20	SURFACE	TO	3760	SURFACE	TO	3729
ONE	5 7/8"	—	—	3760	TO	3910	3729	TO	3912
					TO			TO	
					TO			TO	

SEE BY BOTTOM CASING, 3760' CELLAR FLOOR CORRECTION UNTRUSTWORTHY

REMARKS OR OTHER DATA

NEUTRON — RADIATION INTENSITY INCREASES

CASING & COLLAR LOG DEPTH

GAMMA RAY — RADIATION INTENSITY INCREASES

12 1/2"

100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700

M.N.M.C.F. MICROGRAPHICS

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M.N.M.C.F. MICROGRAPHICS

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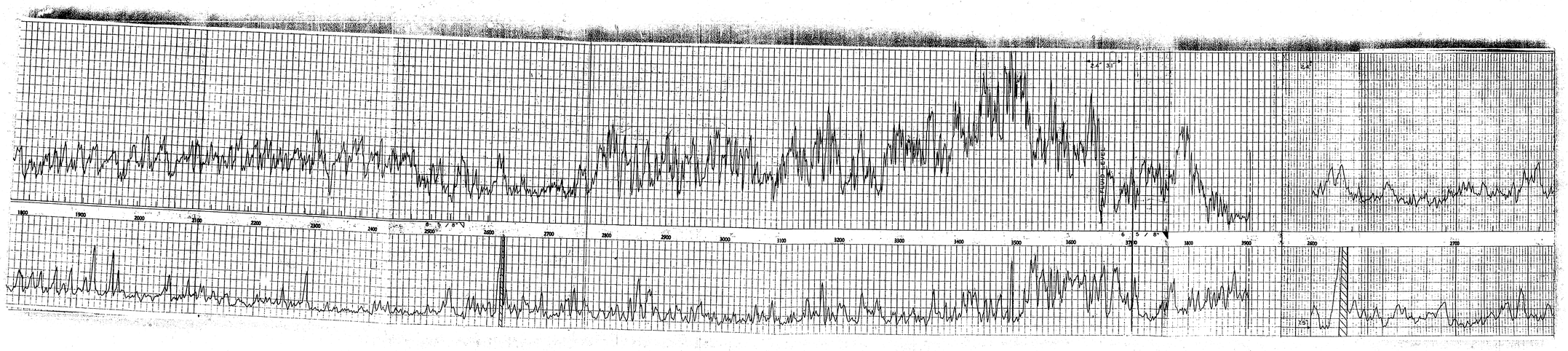

M.N.H.C.F. MICROGRAPHICS

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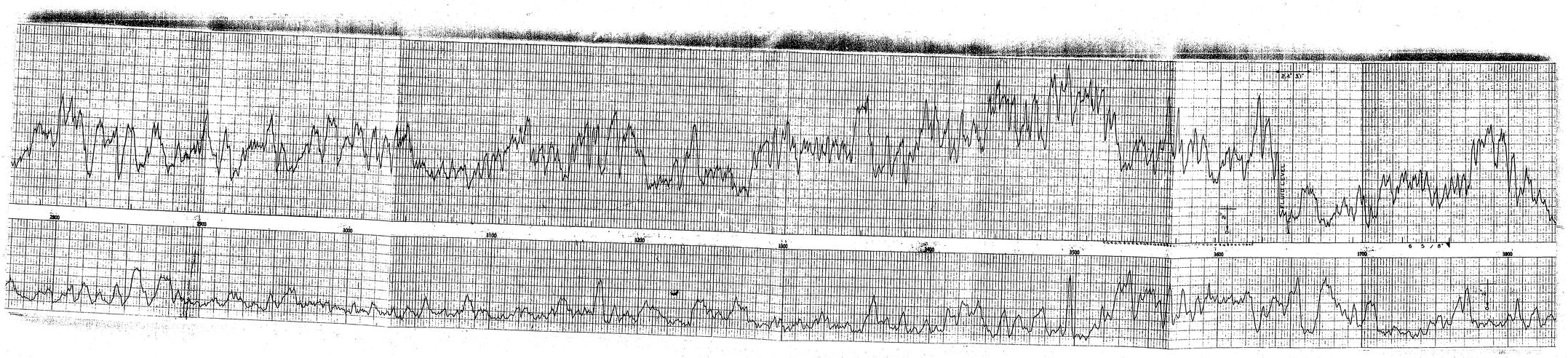

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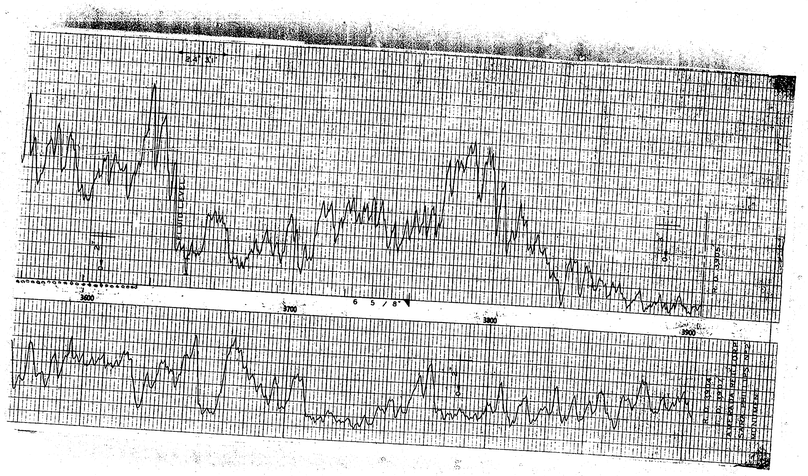

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W.S.M.C.F. MICROGRAPHICS
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CASE No.

1145

Missing

Large Exhibits

OCD

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Case No.

1146

Large Exhibits

RUSSELL POOL

T. 20 S., R. 28 E.

EDDY COUNTY, NEW MEXICO

SCALE 8 INCHES = 1 MILE

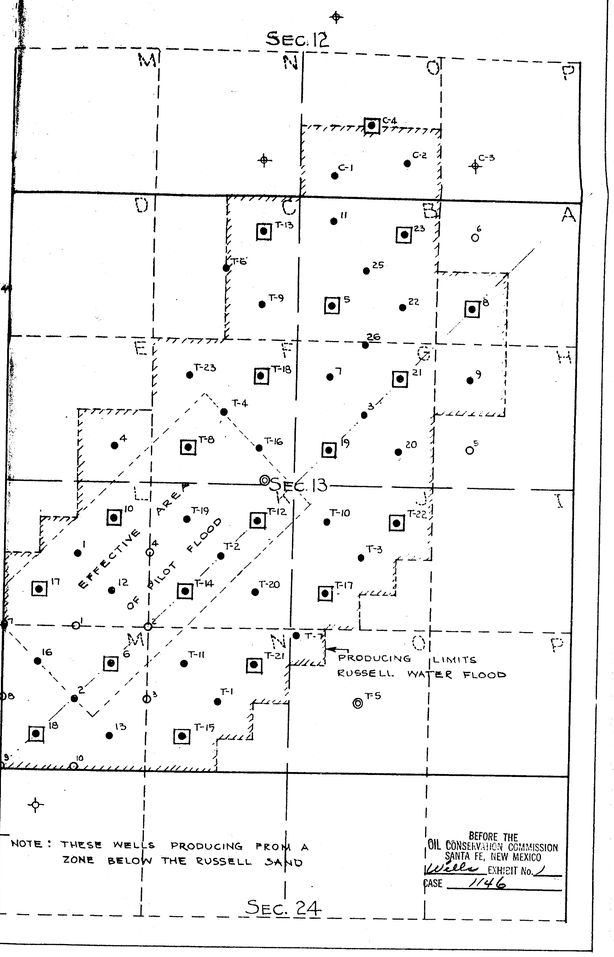
- PRODUCING OIL WELL
- WATER INPUT WELL
- WATER SUPPLY WELL
- DRY HOLE
- POSSIBLE ADD. WELLS TO BE DRILLED

DISCOVERY DATE : MARCH 1942
GAS REPRESSURING INAUGURATED : MAY 1949
PILOT WATER FLOOD " : APRIL 1953 : FIRST RESULTS-JUNE 1954
START COMPLETE FLOOD : SEPT 1954 : FIRST RESULTS - NOV. 1955
FINAL INPUT WELL COMPLETED MARCH 1955
PRODUCTION PRIOR TO FLOOD 11/1/52 : 826,708 BBLS - 2067 BBLS/AC
" TO 9-1-56 : 992,000 " 2480 " "
EST. ULTIMATE PRODUCTION BEFORE FLOOD 990,208 BBLS.
PRESENT WATER INJECT RATE JULY 1956 1830 BBLS/WTR/DAY
TOTAL WATER INJECTED TO 8-1-56 1,487,500 BBLS
PRORATION UNITS INVOLVED IN FLOOD 15
TOTAL ACREAGE INVOLVED IN FLOOD 400 (NET)
NO. OF WATER INJECTION WELLS 9-1-56 19
NO. OF PRODUCING OIL WELLS 9-1-56 20 - 951 = 29

EXHIBIT "A" — OIL CONSERVATION COMMISSION
CASE 1146 — SEPT. 13, 1956
PREPARED BY : NEIL H. WILLS, CARLSBAD, N. MEX.

9/5/56 Neil H. Wills

UNIT	SEC.	WELLS	PRODUCTION FOR AUGUST 1956	ESTIMATED FUTURE MAX UNIT MONTHLY PRODUCTION
O	12	C1-C2	90	1,200
A	13	8	—	—
B	"	11-22-25-½ OF 26	1070	3,000
C	"	T6-T9	217	500
E	"	4	45	100
F	"	T16-T23	692	800
G	"	3-7-20-½ OF 26	2263	3,000
H	"	9	31	900
J	"	T3-T10	589	800
K	"	T2-T19-T20	1410	1,500
L	"	1-12	341	1,200
M	"	2-13-16	184	1,300
N	"	T1-T11	496	600
O	"	T7	—	100
P	14	14-15	128	900
			7556	16,000



BEFORE THE OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO
Wells EXHIBIT No. 1
CASE 1146

W.N.M.C.F. MICROGRAPHICS

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Case No.

1147

Large Exhibits

W.N.H.C.F. MICROGRAPHICS

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R-13-W

R-12-W

R-11-W

T 29 N

T 29 N

FARMINGTON

SAN JUAN

GALLEGOS CANYON UNIT

GALLEGOS CANYON UNIT 105655

DIETZ

W.N.M.C.P. MICROGRAPHICS

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W.N.M.C.P. MICROGRAPHICS

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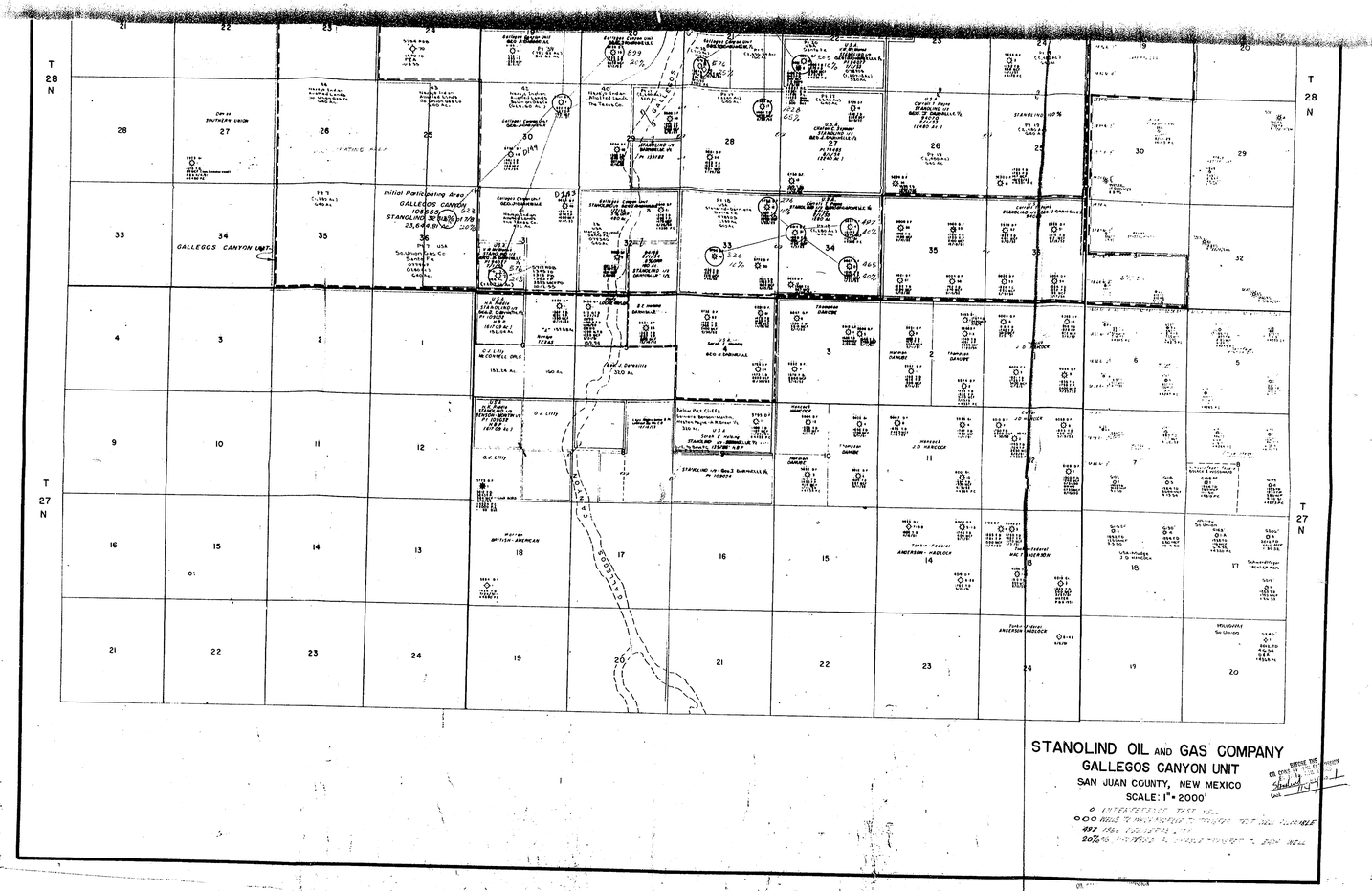

U.S.G.S. RECEIVED THE FOLLOWING ITEMS
Stanolind
Date

6 INTERFERENCE TEST WELL
0.000 WELL TO PRODUCE OUT OF THIS FORMATION
497 FEET THICKNESS
20% POROSITY

Route 1-A-18-SL

U.S.G.S. MICROGRAPHICS
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U.S.G.S. MICROGRAPHICS
BEST AVAILABLE COPY

R·8W·

R·7W·

T 27 N·

T 26 N·

T· 25 N·

R· 8 W·

R· 7 W·

SAN JUAN CO.

RIO ARRIBA CO.

B & M Bs. #1

MAP OF THE BALLARD POOL

and

ADJOINING AREA

SAN JUAN and RIO ARRIBA

COUNTIES

NEW MEXICO

SCALE

0 1 miles

Exhibit #11

LEGEND

- ☼ Producing Pictured Cliffs Well
- ☼ Well Abandoned
- O Well Location

Data Plotted

+4180 23
238 f ☼ 4-53
670-17

23 - Well No.
+4180 - Top Pictured Cliffs - sea level datum
238 Initial Potential - Millions cu. ft.
4-53 Completion Date - Month and Year
670-17 Initial Pressure - Days Shut-In
x Shot
f Frac

CASE No.

1148 to 1151

Missing

Large Exhibits

OCD

W.N.M.C.F. MICROGRAPHICS

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Case No.

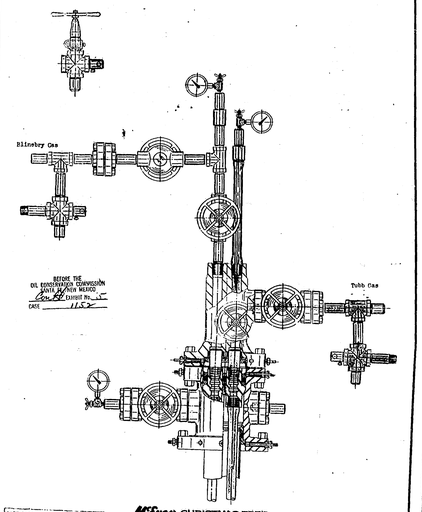
1152

Large Exhibits

CONTINENTAL OIL COMPANY

PROPOSED WELLHEAD EQUIPMENT
for
DUAL COMPLETION

Warren Unit - Blinebry Tubb No.8



BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
Exhibit No. 5
CASE 1152

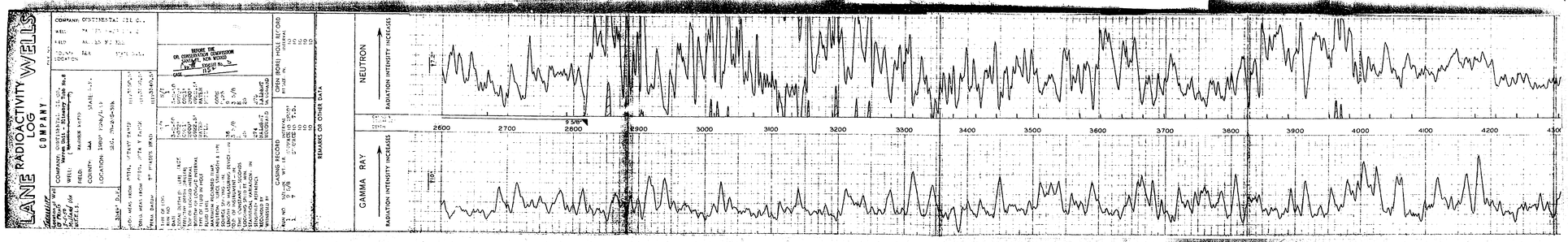
McEvoy CHRISTMAS TREE

7 5/8" X 2 7/8" & 2 3/8"
7" X 2 3/8" & 2 3/8"
5 1/2" X 1,800 & 1,800
W. O. D. 3,000# - 5,000#

CASE 1152
EXHIBIT 5

BY
McEVOY COMPANY
HOUSTON, TEXAS

RT - 2904



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W.S.N.C.T. MICROGRAPHICS
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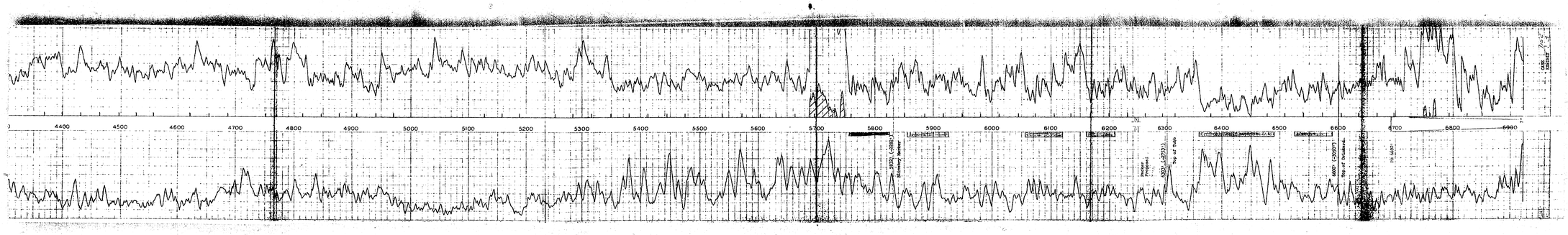

W.R.N.C.F. MICROGRAPHICS

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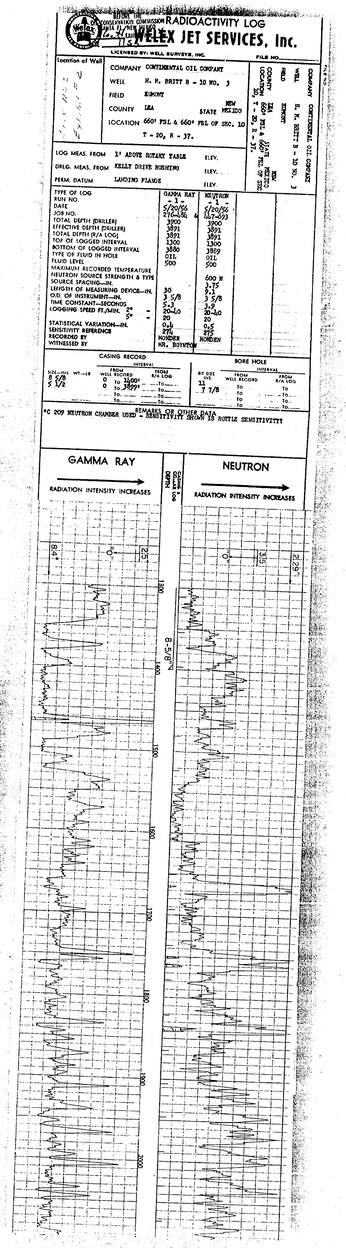
Case No.

153

Large Exhibits



W.N.M.C.F. MICROGRAPHICS
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W.N.M.C.F. MICROGRAPHICS
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U.S.S.R.: RICOSAPTICS
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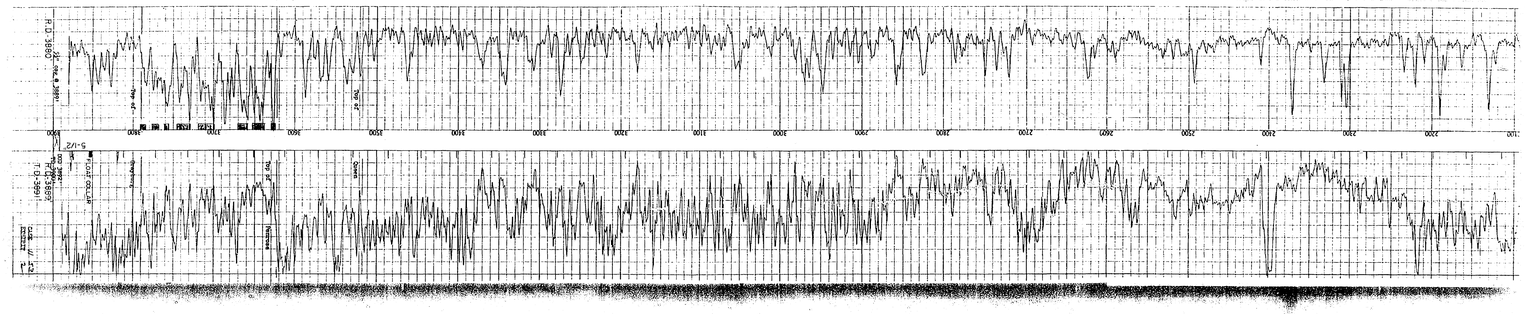

U.S.S.R.: RICOSAPTICS
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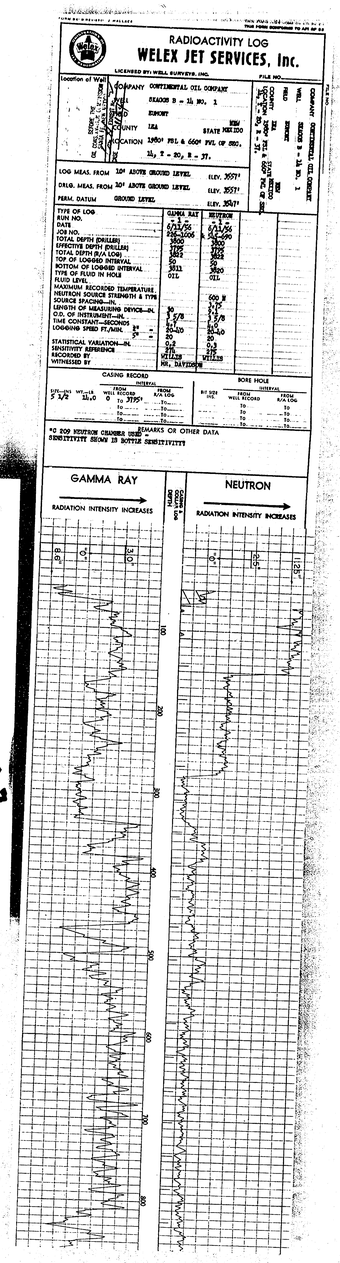
Case No.

1154

Large Exhibits



RADIOACTIVITY LOG

WELEX JET SERVICES, Inc.

LICENSED BY: WELL SURVEYS, INC.

FILE NO.

Location of Well

COMPANY CONTINENTAL OIL COMPANY

WELL SEASON B - 14 NO. 1

FIELD EUMONT

COUNTY LEA STATE NEW MEXICO

LOCATION 1980' FSL & 660' FWL OF SEC. 14, T - 20, R - 37.

LOG MEAS. FROM	10' ABOVE GROUND LEVEL	ELEV. 3557'
DRLG. MEAS. FROM	10' ABOVE GROUND LEVEL	ELEV. 3557'
PERM. DATUM	GROUND LEVEL	ELEV. 3547'

SEC. 14 TWP. 20S RGE. 37E
COUNTY LEA STATE NEW MEXICO
API NO. 30-025-07786
OTHER SERVICES
NEUTRON
GAMMA RAY
CASING RECORD
BORE HOLE

	GAMMA RAY	NEUTRON
TYPE OF LOG	GAMMA RAY	NEUTRON
RUN NO.	1	1
DATE	6/13/55	6/14/55
JOB NO.	55-106	55-106
TOTAL DEPTH (DRILLER)	3800	3800
EFFECTIVE DEPTH (DRILLER)	3795	3795
TOTAL DEPTH (R/A LOG)	3825	3825
TOP OF LOGGED INTERVAL	50	50
BOTTOM OF LOGGED INTERVAL	3811	3820
TYPE OF FLUID IN HOLE	OIL	OIL
FLUID LEVEL		
MAXIMUM RECORDED TEMPERATURE		600 F
NEUTRON SOURCE STRENGTH & TYPE		50 MC RaBe
SOURCE SPACING—IN.		17
LENGTH OF MEASURING DEVICE—IN.	36	24
O.D. OF INSTRUMENT—IN.	1 5/8	1 7/8
TIME CONSTANT—SECONDS	1.0	1.0
LOGGING SPEED FT./MIN.	20	30
	5" = 20	5" = 40
STATISTICAL VARIATION—IN.	20	20
SENSITIVITY REFERENCE	0.2	0.2
RECORDED BY	3"	3"
WITNESSED BY	WILLIS	WILLIS
	MR. DAVIDSON	

CASING RECORD — Interval

SIZE	WT.—LB	FROM	TO	WELL RECORD	FROM R/A LOG
5 1/2	14.0	0	3795'		

BORE HOLE — Interval

BIT SIZE	FROM	TO	WELL RECORD	FROM R/A LOG

REMARKS OR OTHER DATA

*2 209 NEUTRON CHAMBER USED
SENSITIVITY SHOWN IN BOYLE SENSITIVITY

GAMMA RAY — RADIATION INTENSITY INCREASES →

NEUTRON — RADIATION INTENSITY INCREASES →

FEET PER INCH 5"

W.N.M.C.F. MICROGRAPHICS

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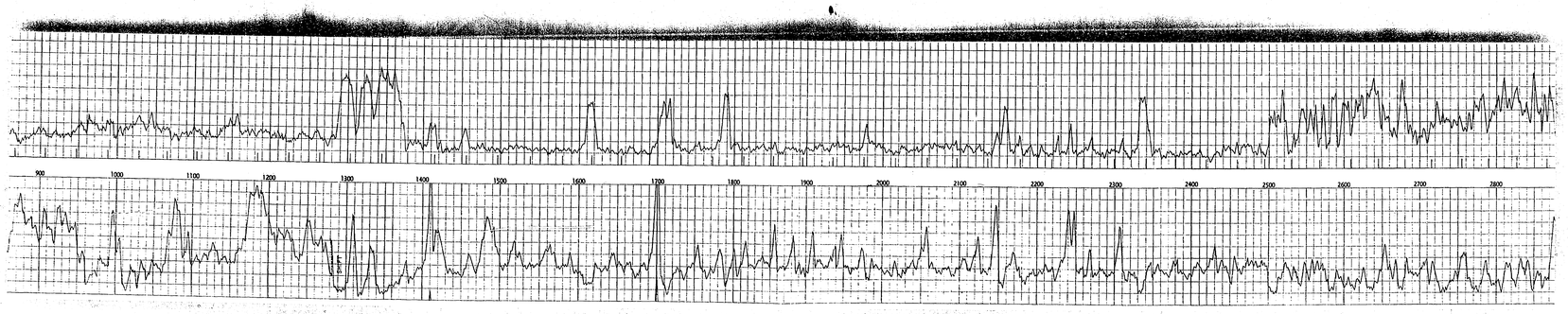

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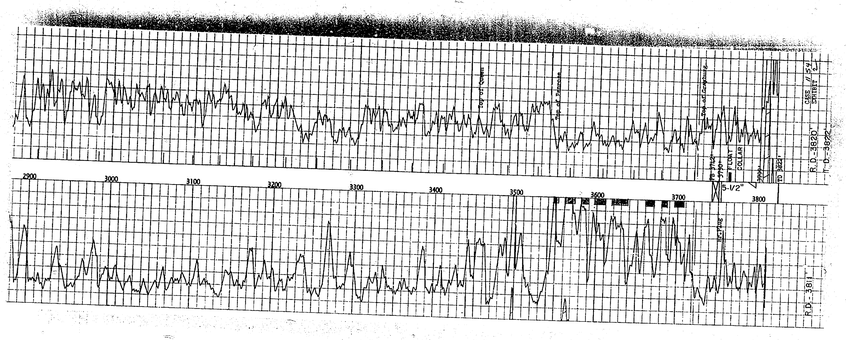

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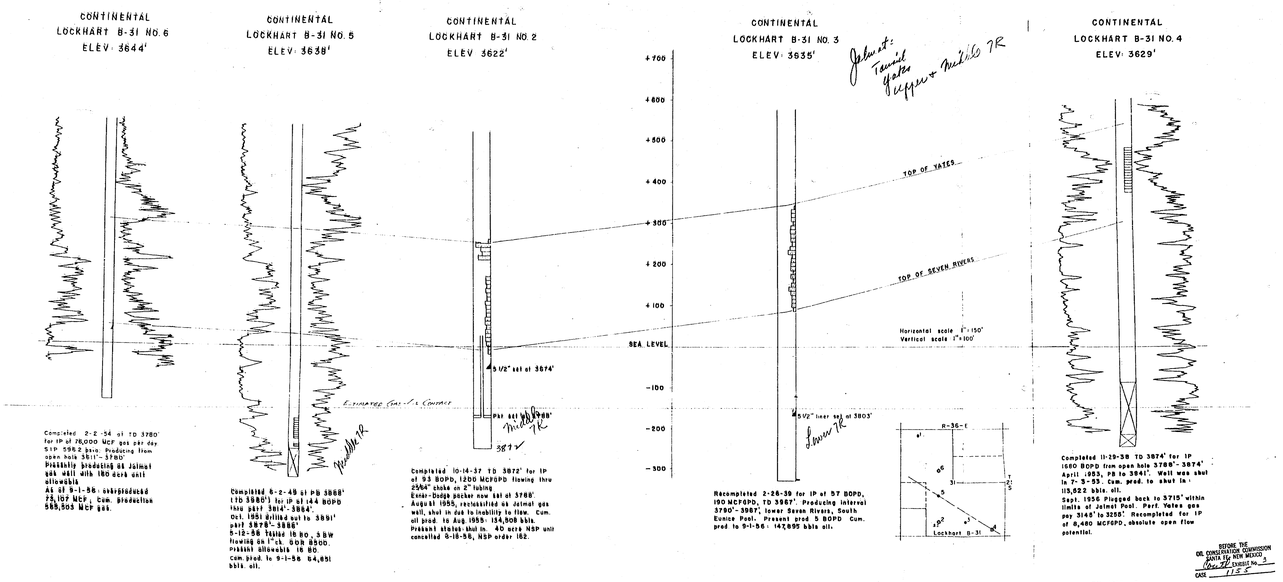
Case No.

1155

Large Exhibits



Completed 2-2-54 at TD 3780' for IP of 78,000 MCF gas per day S.I.P. 596.2 psig. Producing from open hole 3811'- 3780'. Possibly producing at Jalmat gas well with 180 acre unit allowable. As of 9-1-56 has produced 75,157 MCF. Cum. production 589,505 MCF gas.

Completed 6-2-49 at PB 3868' (TD 5980') for IP of 144 BOPD thru perf 3814'-3864'. Oct. 1951 drilled out to 3891' perf 3829'-3886' 5-12-56 Tested 16 BO, 38W flowing on 1" ch. GOR 8500. Present allowable 16 BO. Cum. prod. to 9-1-56 64,651 bbls. oil.

Completed 10-14-37 TD 3872' for IP of 93 BOPD, 1200 MCFGPD flowing thru 2564" choke on 2" tubing Exxon-Dodge packer now set at 3768' August 1955, reestablished as Jalmat gas well, shut in due to inability to flow. Cum. oil prod. to Aug. 1955- 154,908 bbls. Present status-shut in. 40 acre NSP unit cancelled 9-18-56, NSP order 182.

Recompleted 2-26-39 for IP of 57 BOPD, 190 MCFGPD, TD 3967'. Producing interval 3780'-3967', Lower Seven Rivers, South Eunice Pool. Present prod. 5 BOPD Cum. prod. to 9-1-56 - 147,895 bbls oil.

Completed 11-29-38 TD 3974' for IP 1600 BOPD from open hole 3788'-3974' April 1955, PB to 3941'. Well was shut in 7-5-55. Cum. prod. to shut in - 115,622 bbls. oil. Sept. 1956 Plugged back to 3715' within limits of Jalmat Pool. Perf. Yates gas pay 3140' to 3258'. Recompleted for IP of 6,480 MCFGPD, absolute open flow potential.

BEFORE THE OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO Exhibit No. 3 CASE 1155

EXHIBIT 3

W.N.M.C.F. MICROGRAPHICS
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W.N.M.C.F. MICROGRAPHICS
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CASE NO.

1156 & 1157

Missing

Large Exhibits

OCD

W.N.M.C.F. MICROGRAPHICS

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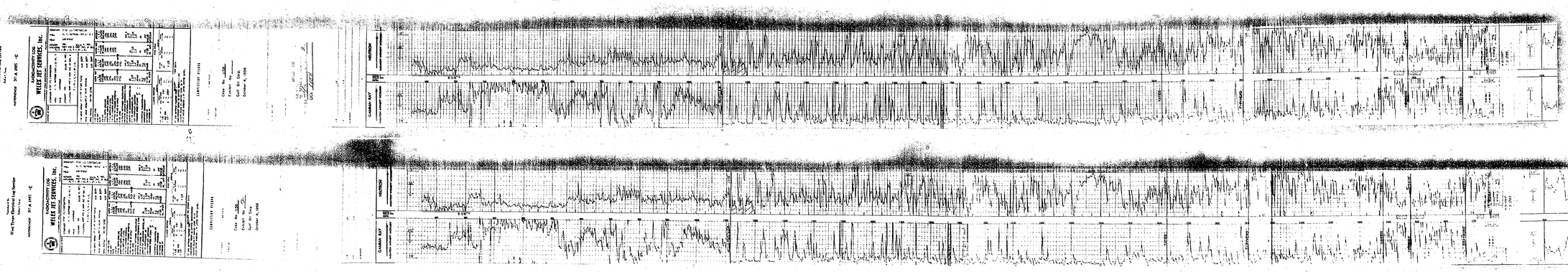
Case No.

1158

Large Exhibits

RECEIVED
AUG 0 1984
OIL CONSERVATION DIVISION



W.N.M.C.P. MICROGRAPHICS
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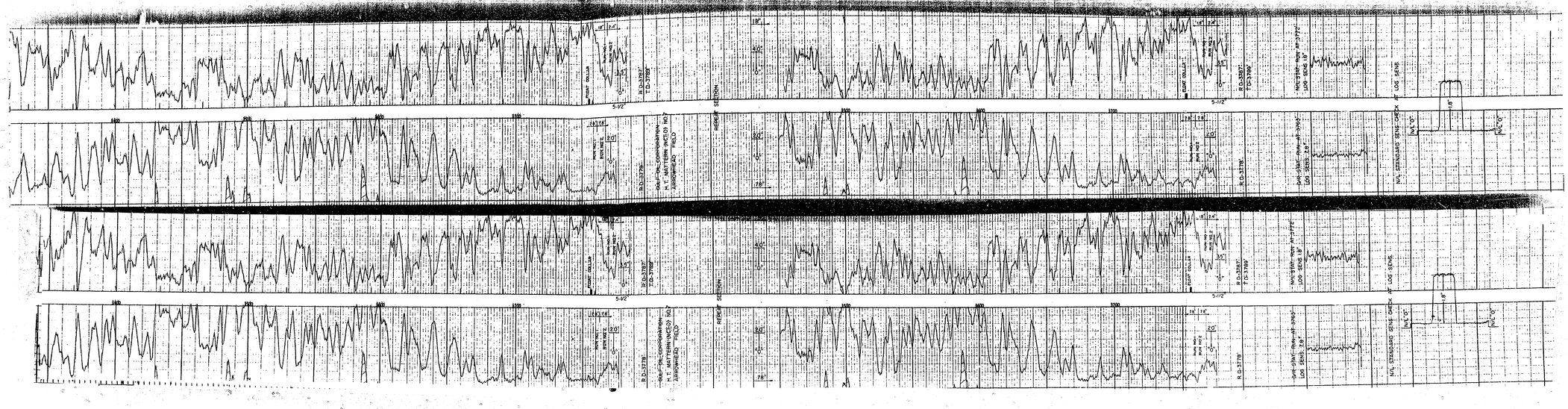

W.N.M.C.F. MICROGRAPHICS

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CASE No.

1159 TO 1167

Missing

Large Exhibits

OCD

W.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

Case No.

1168

Large Exhibits

W.N.M.C.F. MICROGRAPHICS

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BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
Schermerhorn EXHIBIT No. 1
CASE 1168

R 37 E

Exhibit #1
Case 1168
Eumont Pool Lea Co.,N.M.

T 18 S

T 19 S

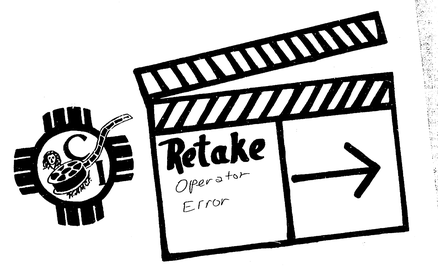
EUMONT FIELD

W.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
TOP OF
Perf.
3582
3602
Squeezed wit
Cement
Treated Perfs
3582-3602, 3716-3730,
3740-46 & 3822-3826
w/ 15,000 gals 20-40 sd
Perf.
3712
3730
3740
3746
TD 3900
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

THE PRECEDING DOCUMENTS WERE REFILMED DUE TO:
A MALFUNCTION IN FILMING



U.N.M.C.F. MICROGRAPHICS
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WEST

SCHERMERHORN

LINAM "B" #1

Elev 3,107

TOP OF YATES

EAST

SCHERMERHORN

LINAM "B" #2

Elev 3,104

Flo 92# natural
IP 3,500 MCF/day
open flow

Gas-Oil Contact -1957

AZTEC

STATE 33 #2

Elev 2,[illegible]

2" Flowed 164.43 BO in 5 hrs
20/64 ck.

W.A.M.C.F. MICROGRAPHICS

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Exhibit #2
Case 1168
Exmont Pool Lea Co.,N.M.

CASE NO.

1169

Missing

Large Exhibits

OCD

W.N.M.C.F. MICROGRAPHICS

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CASE NO.

1169

Missing

Large Exhibits

OCD

W.N.M.C.F. MICROGRAPHICS

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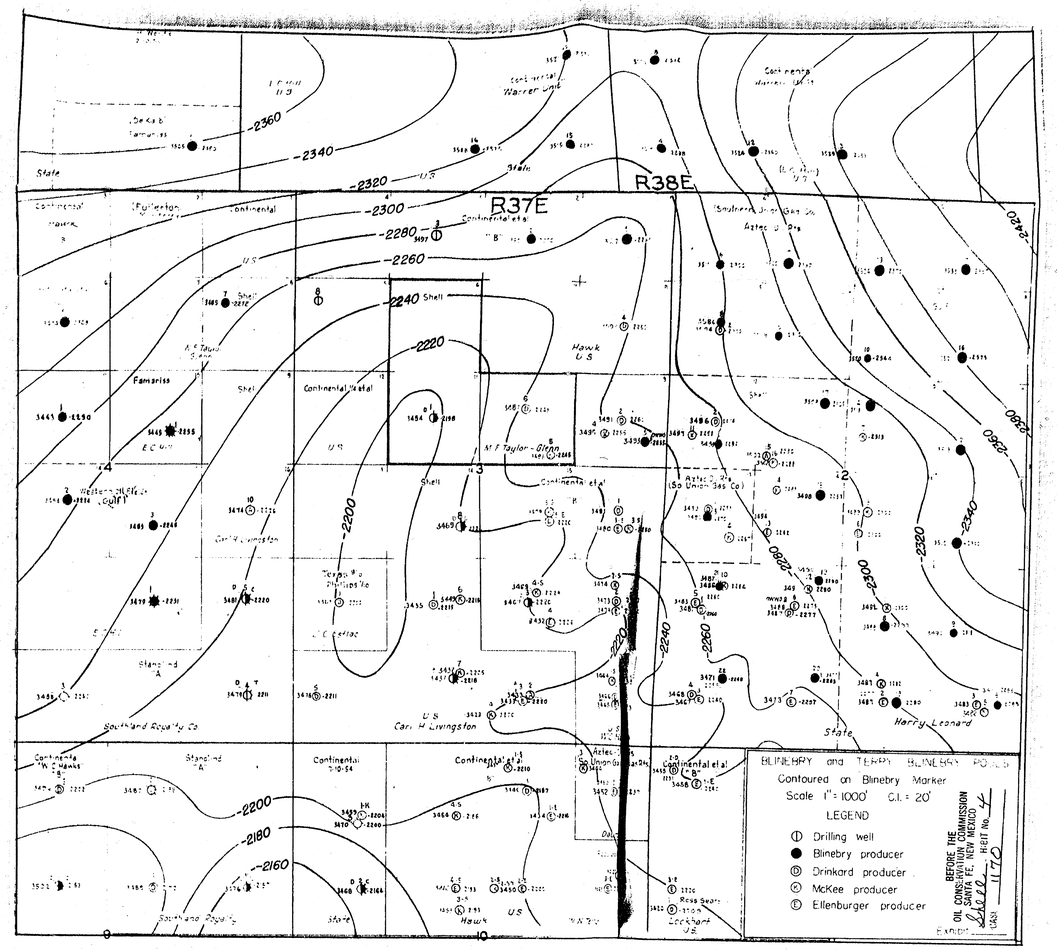
Case No.

1170

Large Exhibits



W.N.M.C.F. MICROGRAPHICS

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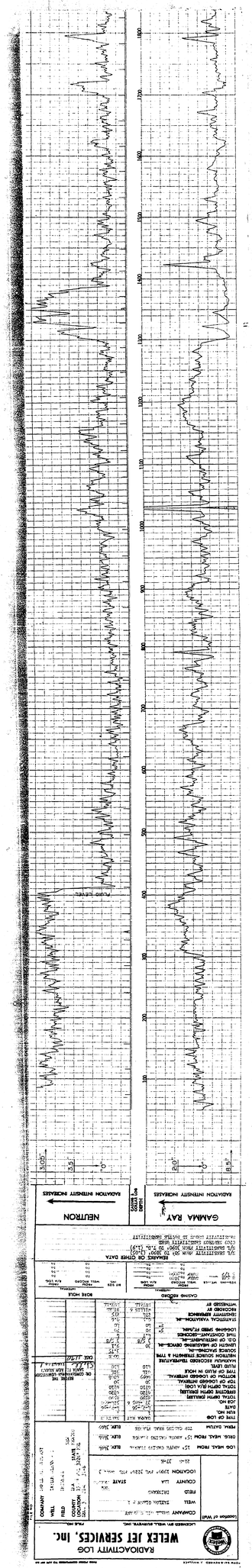


RADIOACTIVITY LOG

WELEX JET SERVICES, Inc.

LICENSED BY WELL SURVEY, INC.

COMPANY	
WELL	
FIELD	
COUNTY	
LOCATION	

LOG MEAS. FROM	15' ABOVE CASING FLANGE
DRLG. MEAS. FROM	15' ABOVE CASING FLANGE
PERM. DATUM	

TYPE OF LOG	
RUN NO.	
DATE	
JOB NO.	
TOTAL DEPTH DRILLER	
TOTAL DEPTH LOGGER	
BOTTOM OF LOGGED INTERVAL	
TOP OF LOGGED INTERVAL	
TOTAL DEPTH P/A LOG	
FLUID LEVEL	
TYPE OF FLUID IN HOLE	
MAXIMUM RECORDED TEMPERATURE	
NEUTRON SOURCE STRENGTH & TYPE	
SOURCE SPACING	
O.D. OF INSTRUMENT	
LENGTH OF MEASURING DEVICE	
TIME CONSTANT—SECONDS	
LOGGING SPEED F/MIN	
STATISTICAL VARIATION	
RECORDED BY	
WITNESSED BY	

CASING RECORD

BORE HOLE

REMARKS OR OTHER DATA

1/4 SENSITIVITY FROM 300# TO 350# (1/4S)
1/8 SENSITIVITY FROM 350# TO P.B. (1/8S)
CCL SHOWS SENSITIVITY MODE
SENSITIVITY CHANGE IS DATUM SENSITIVITY

GAMMA RAY — RADIATION INTENSITY INCREASES

SCALE SHOWN

NEUTRON — RADIATION INTENSITY INCREASES

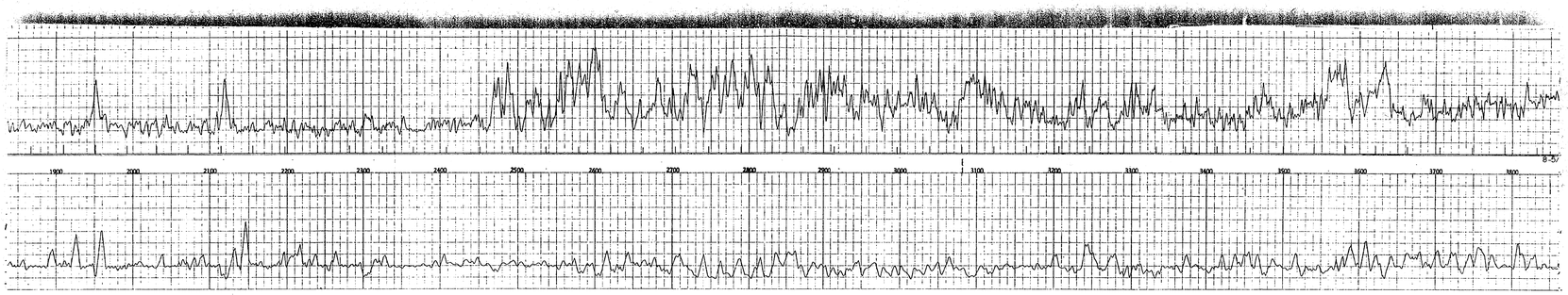
3.05' 3.5' 0

20.5' 6.5' 0

FLUID LEVEL

100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800

W.S.K.C.P. RECORDINGS
BEST AVAILABLE COPY



W.S.M.C.F. MICROGRAPHICS

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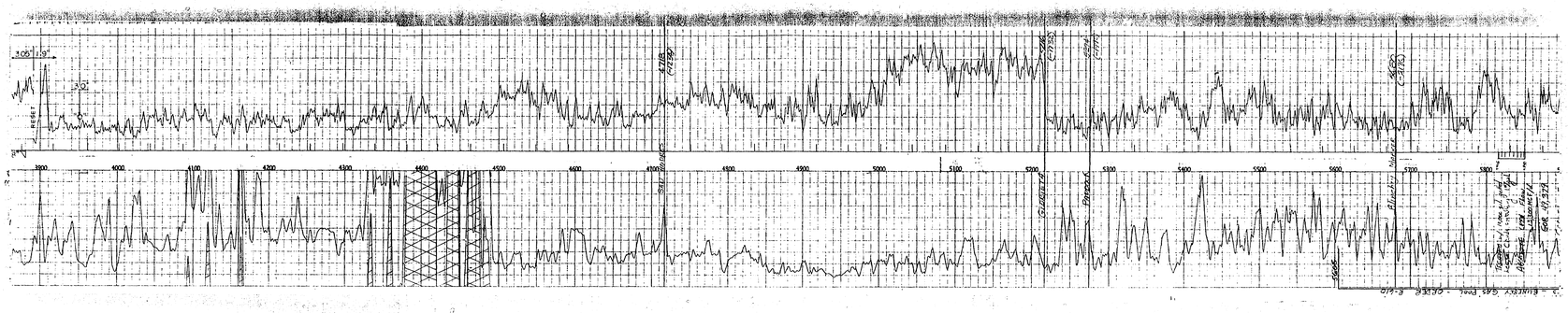

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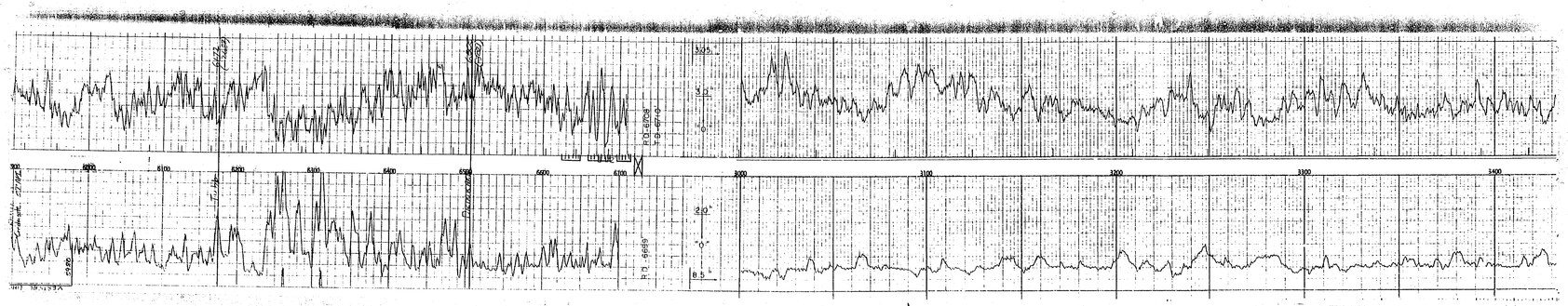

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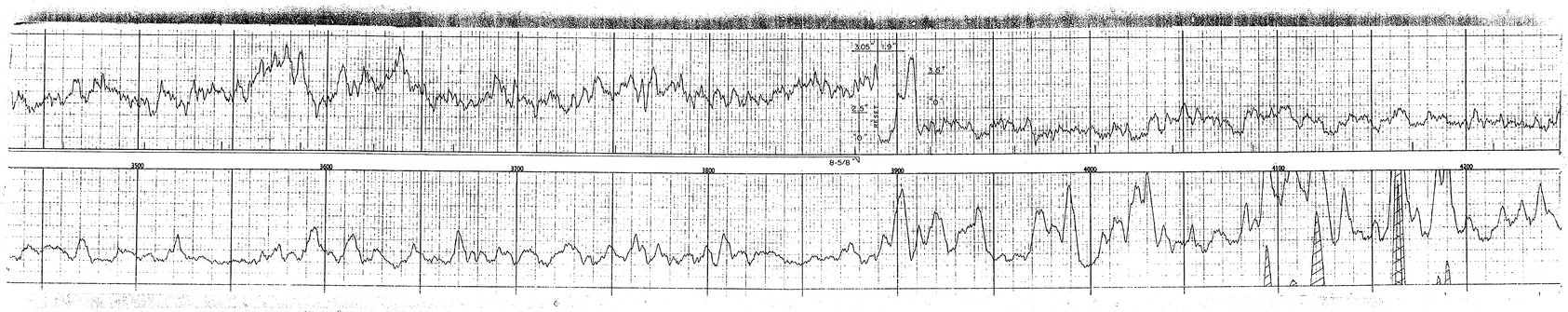

W.N.H.C.F. MICROGRAPHICS

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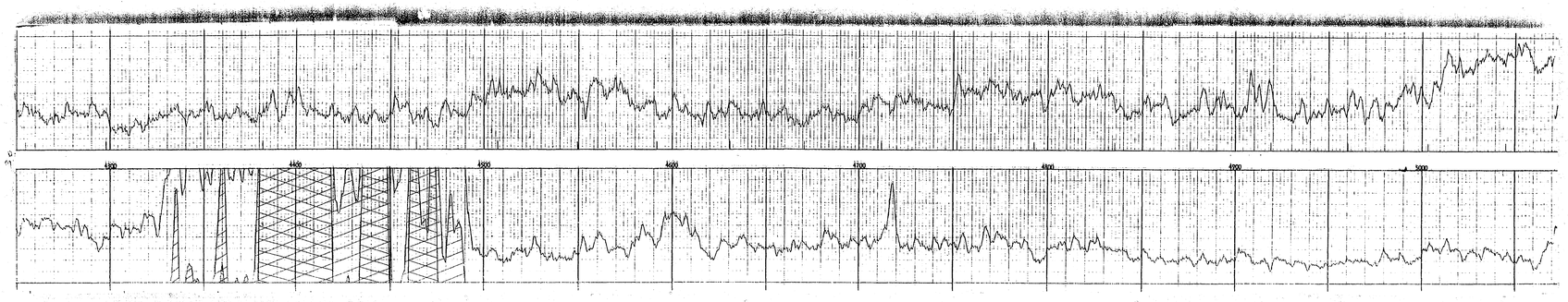

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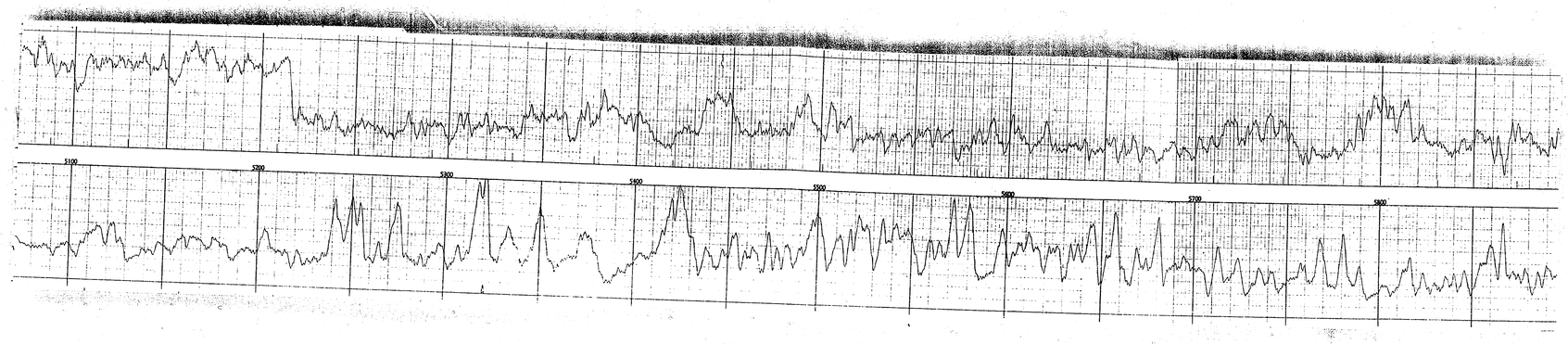

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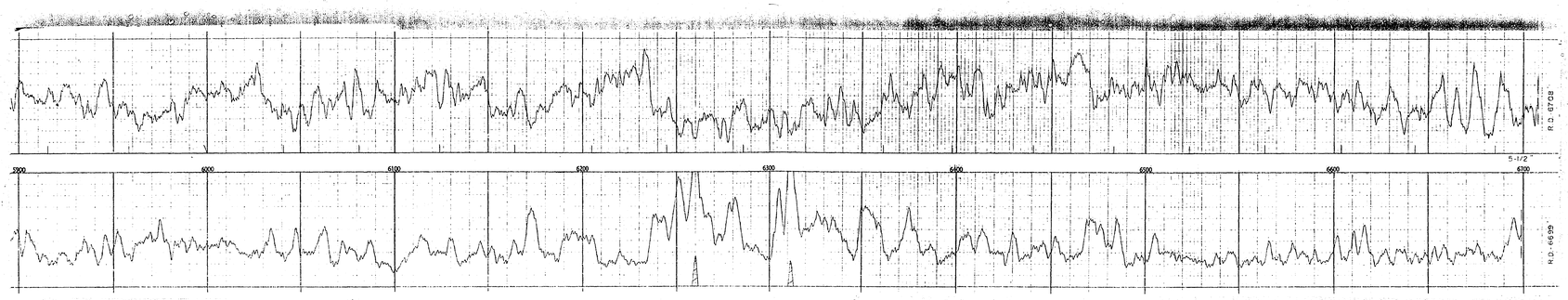

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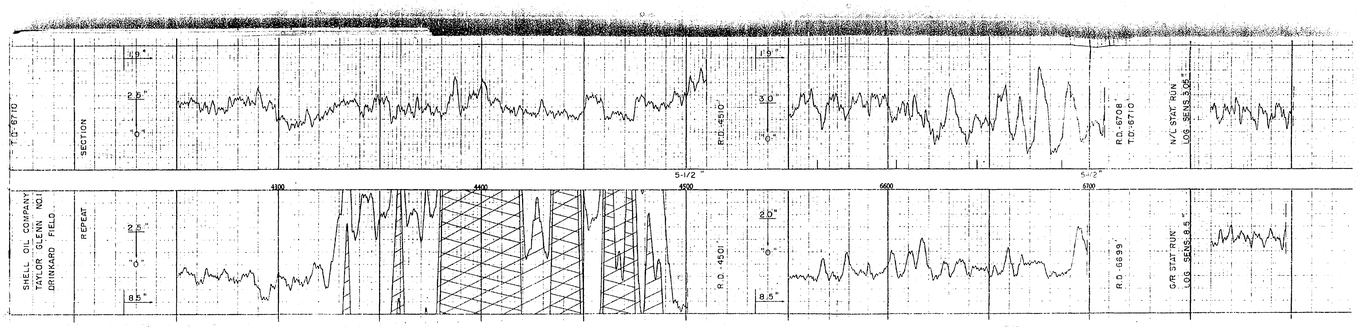

W.V.H.C.T. MICROGRAPHICS

BEST AVAILABLE COPY

THE FOLLOWING
INFORMATION IS:

OUT OF SEQUENCE
CASE # 1086

W.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

Case No.

1086

Large Exhibits

W.N.M.C.F. MICROGRAPHICS

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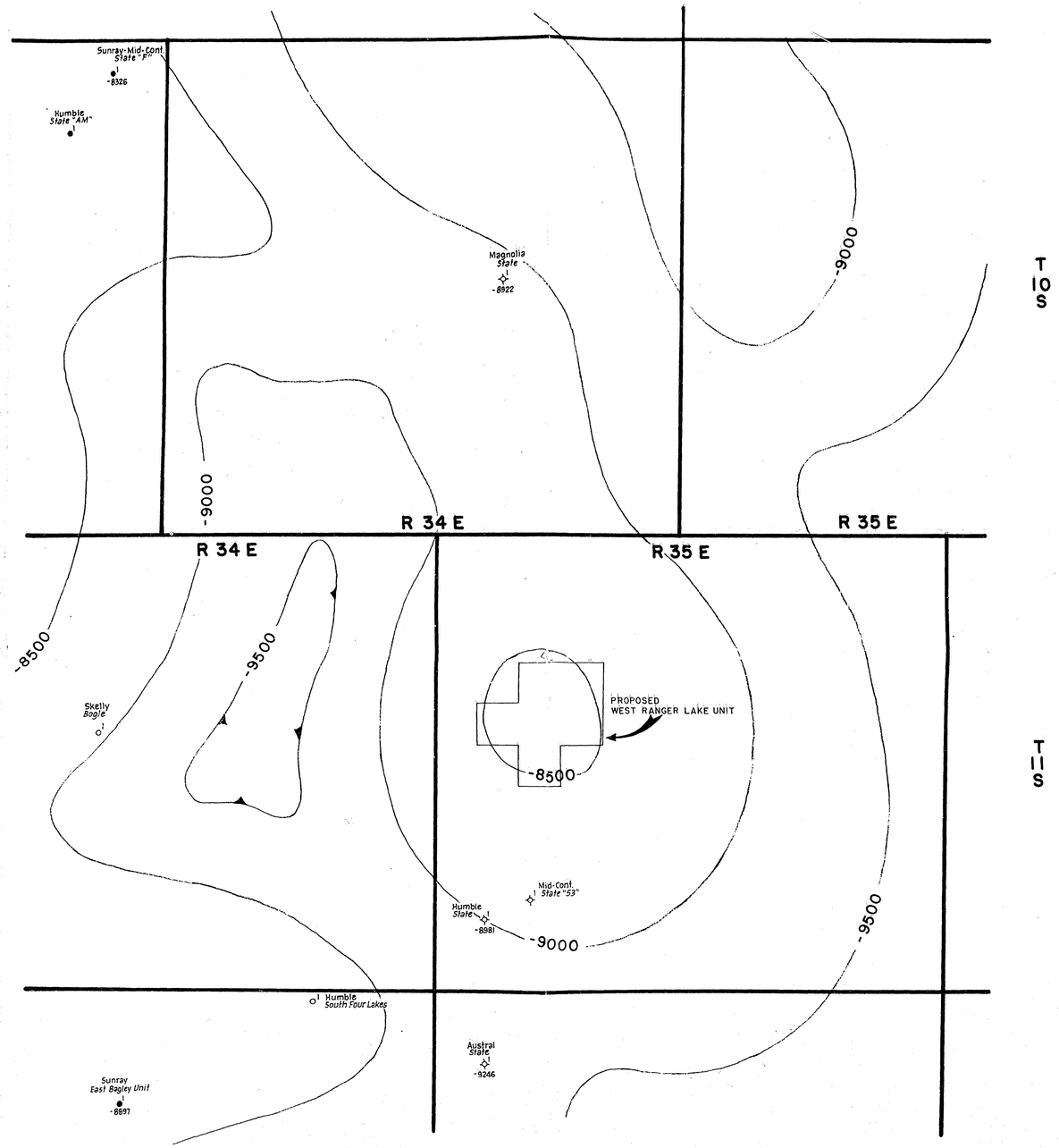

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
EXHIBIT No. D
CASE 1886

EXHIBIT 1

WEST RANGER LAKE UNIT
LEA CO., NEW MEXICO
CONTOURS TOP OF THE DEVONIAN
C.I. = 500'
SCALE 1" = 4000'

W.N.M.C.F. MICROGRAPHICS

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CASE NO.

1171 to 1174

Missing

Large Exhibits

OCD

W.N.M.C.F. MICROGRAPHICS

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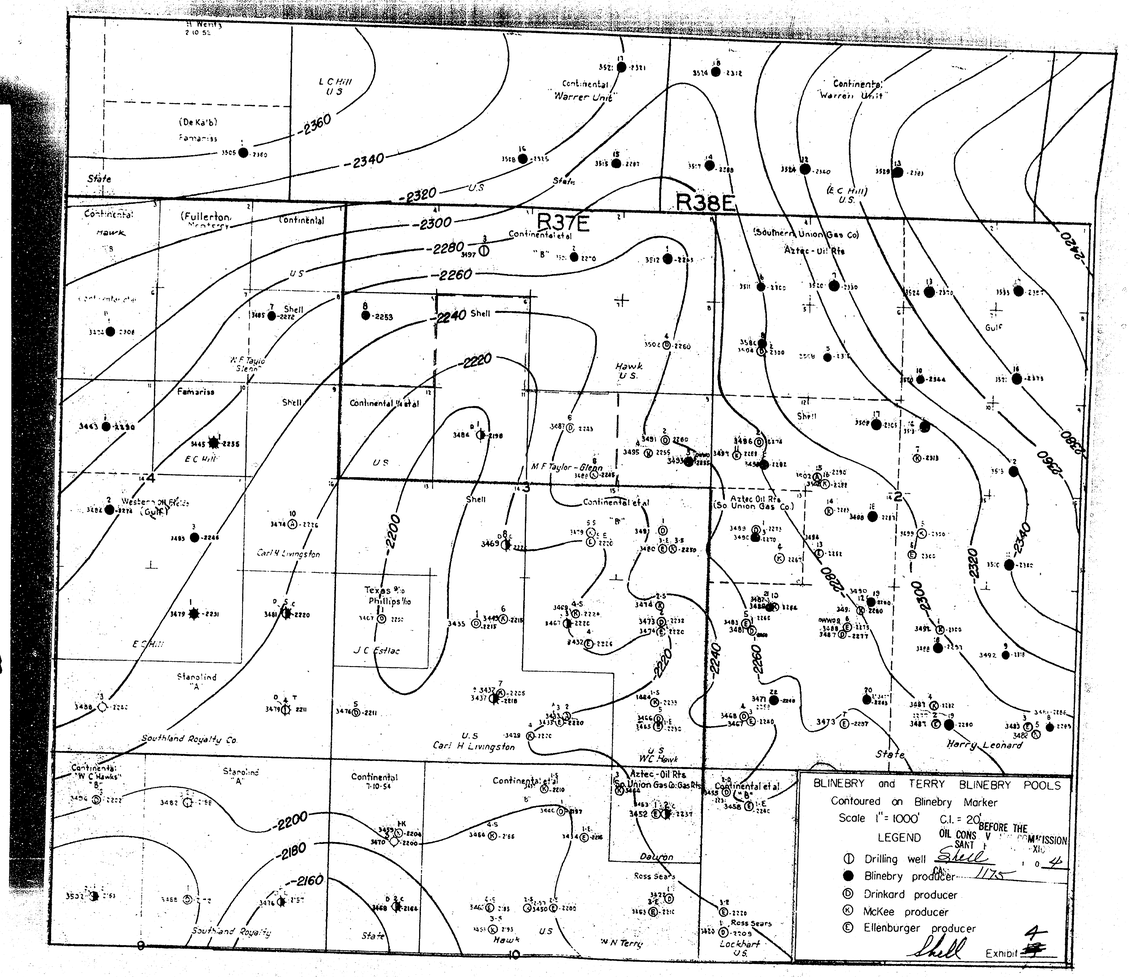
Case No.

1175

Large Exhibits



W.N.M.C.F. MICROGRAPHICS

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CASE NO.

1176

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Large Exhibits

OCD

W.N.M.C.F. MICROGRAPHICS

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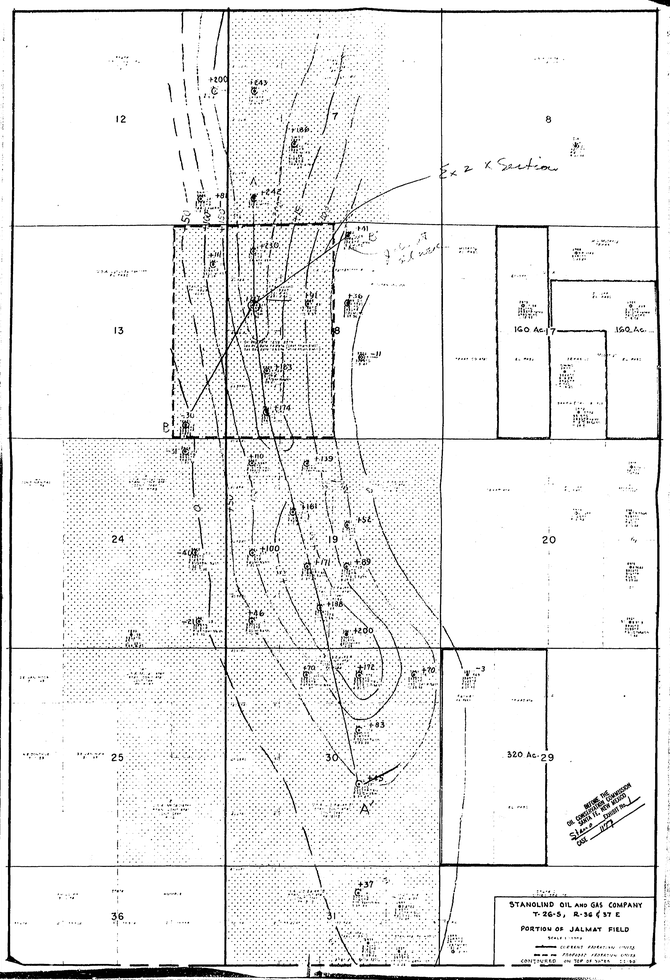
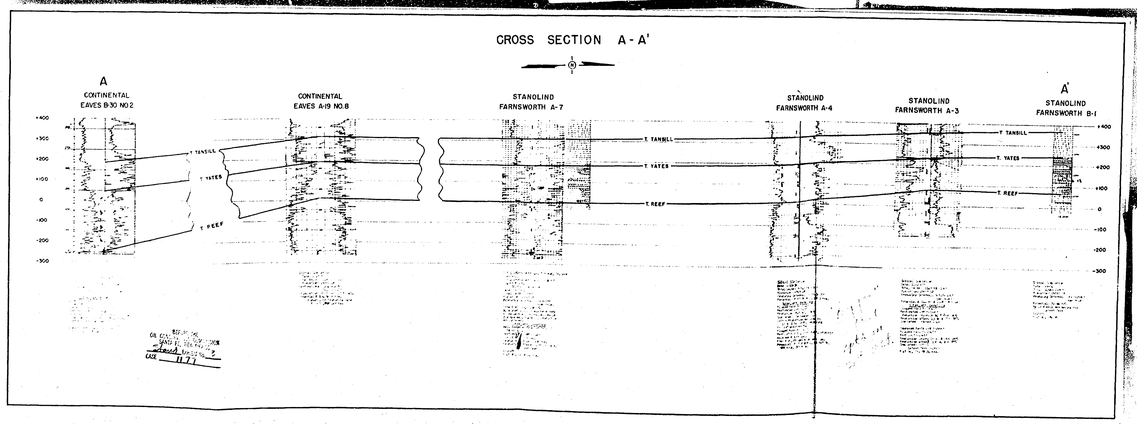
Case No.

1177

Large Exhibits





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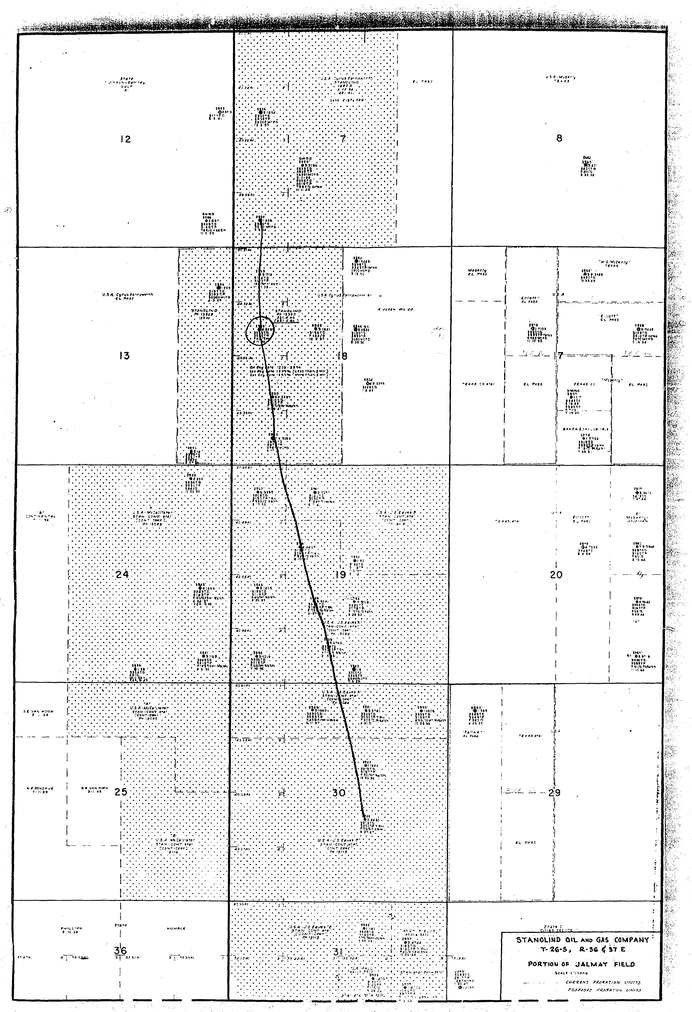

M.N.M.C.F. MICROGRAPHICS
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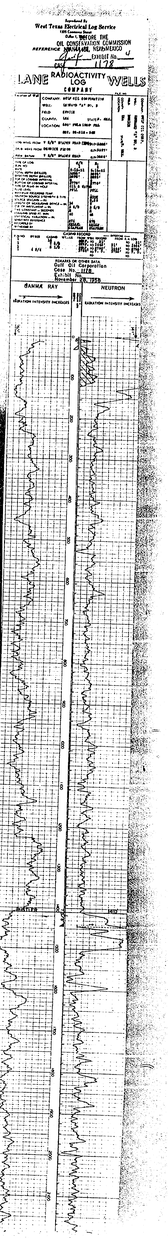
Case No.

1178

Large Exhibits



W.N.M.C.F. MICROGRAPHICS
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W.R.N.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

Case No.

1179

Large Exhibits

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
CASE 1179 EXHIBIT No. 4
Reproduced by

West Texas Electrical Log Service

Dallas 2, Texas

REFERENCE No. A 5620 -C

SIMULTANEOUS RADIATION LOG

LOCATION: SEC. 6 TWP. 22 S RGE. 36 E
COMPANY: GULF OIL CORPORATION
WELL: J.H. DAY # 3
FIELD: DRINKARD
COUNTY: LEA
STATE: NEW MEXICO
LOG NO. 5620
DATUM: 10' ABOVE 6" CASING — ELEVATION 3600 D.F.
GAGE: 6" CASING — ELEVATION 3600 K.B.
ELEVATION 3590

	GAMMA RAY	NEUTRON
RUN NO.	ONE	ONE
DATE	11-28-56	11-28-56
DEPTH DRILLER	3705	3705
DEPTH LOGGER	3703	3703
BTM. LOG INTERVAL	3703	3703
TOP LOG INTERVAL	SURFACE	SURFACE
CASING—DRILLER	7 5/8 @ 1540	7 5/8 @ 1540
CASING—LOGGER	1540	1540
COUNTER	F	FN
RECORDED BY	WAGNER	

CASING RECORD: SIZE WT. GRADE — SURFACE 7" 20 — SURFACE 5 1/2" 14 — SURFACE 5 1/2" 15.5 — NEW HOLE FOLLOWED BY 5 7/8" TO 3705 — PERFORATIONS

REMARKS AND OTHER DATA

Gulf Oil Corporation
Case No. 1179
Exhibit No.
November 28, 1956

COMPLETION RECORD

SPUD DATE
COMP DATE
OST RECORD
CASING RECORD
PERFORATING RECORD
ACID. FRAC SHOT
I P
GOR GR
T P C P
REMARKS:

W.N.M.C.F. MICROGRAPHICS

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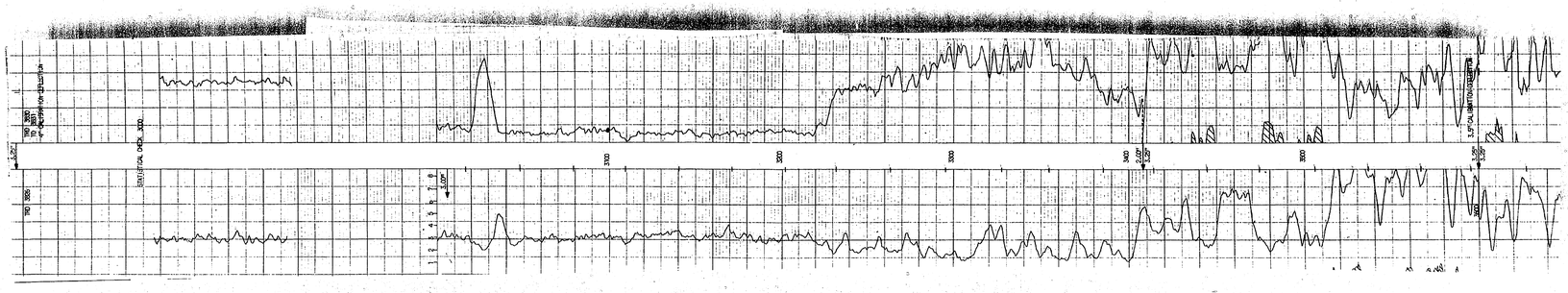

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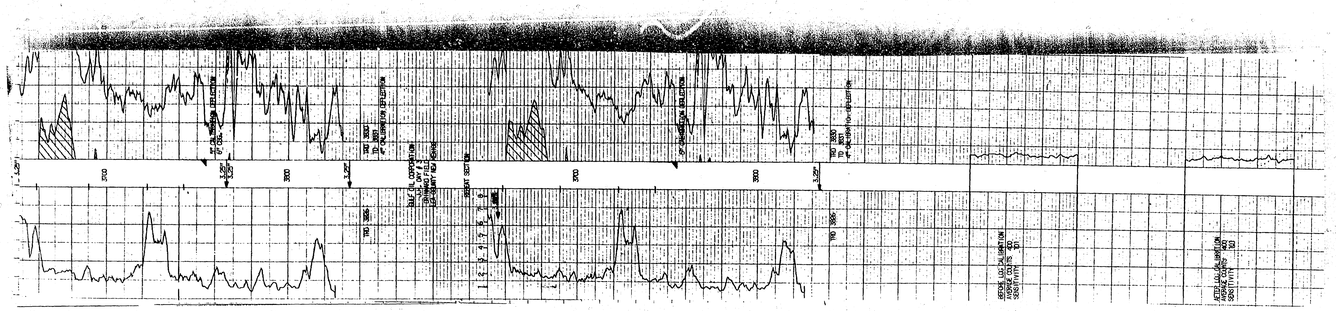

W.N.M.C.F. MICROGRAPHICS

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CASE NO.

1180 to 1182

Missing

Large Exhibits

OCD

W.N.M.C.F. MICROGRAPHICS

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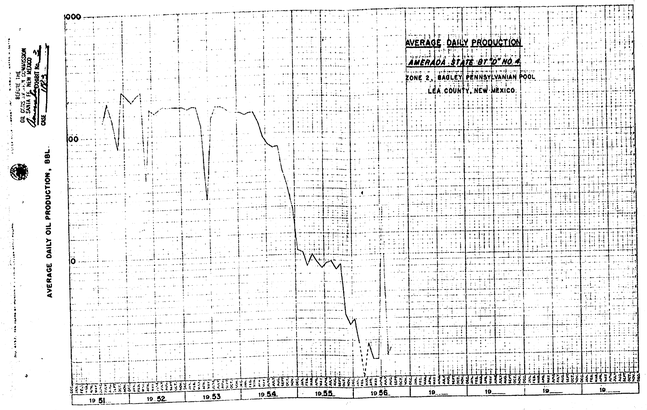
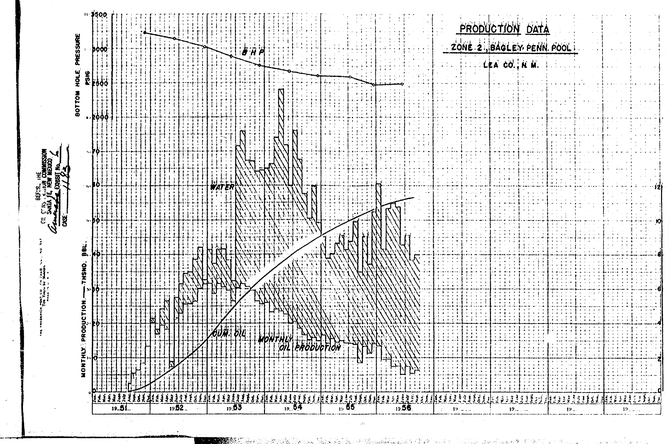
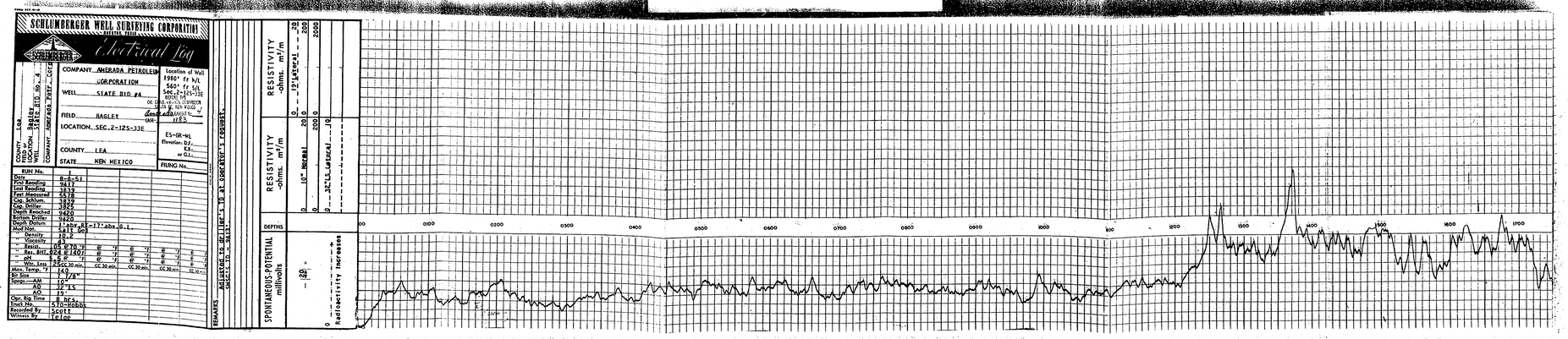


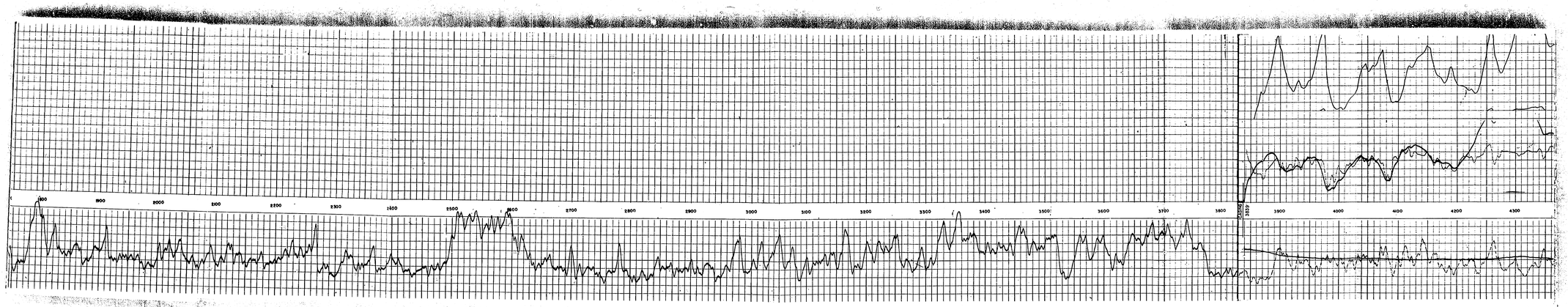


Case No.

1183

Large Exhibits





W.R.M.C.F. MICROGRAPHICS

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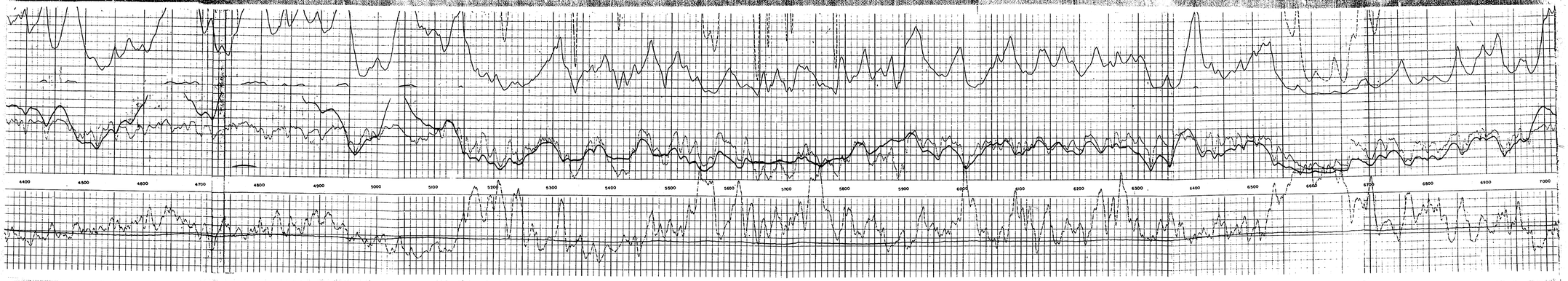

U.N.M.C.F. MICROGRAPHICS

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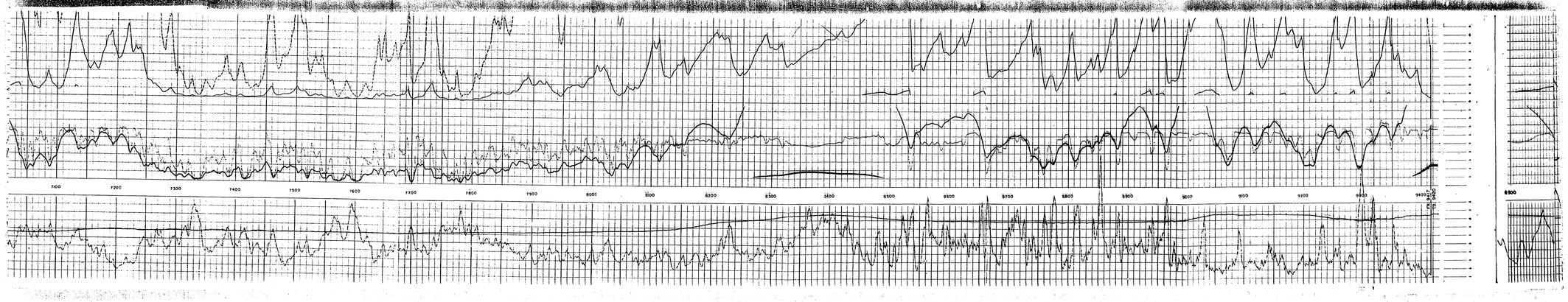

W.R.N.C.P. MICROGRAPHICS

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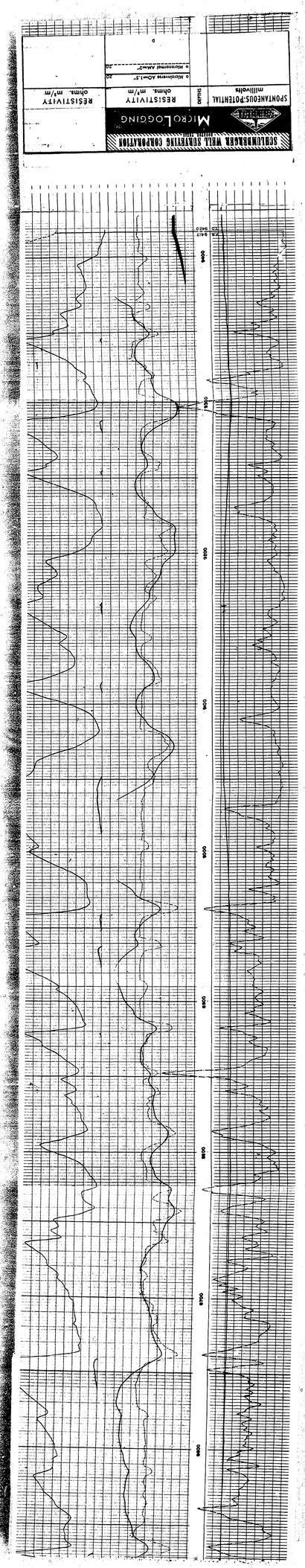

V.I.S.U.A.L. MICROGRAPHICS
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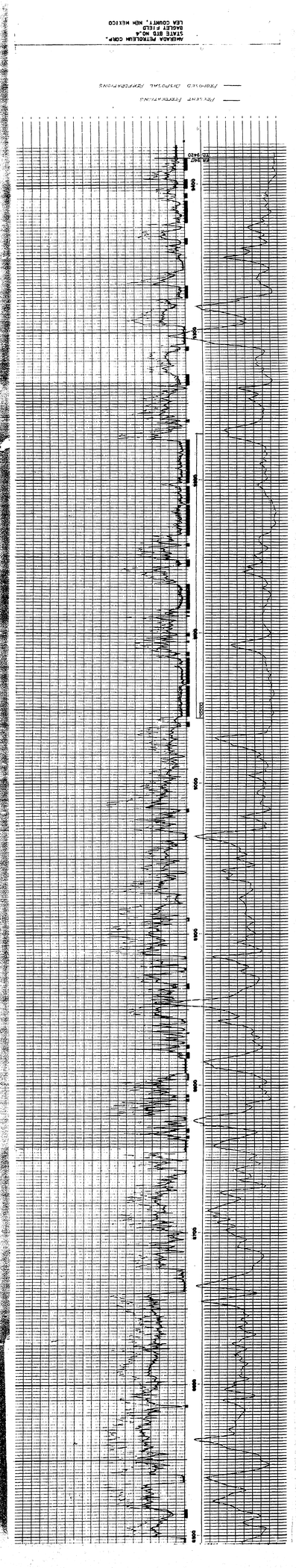

CASE No.

1184

Missing

Large Exhibits

OCD

W.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

Case No.

1185

Large Exhibits

W.N.M.C.F. MICROGRAPHICS

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Lot 1 | Lot 4 | Lot 3 | Lot 2 | Lot 1

SE¼-NE¼ | SW¼-NW¼ | SE¼-NW¼ | SW¼-NE¼ | SE¼-NE¼

NE¼-SE¼ | NW¼-SW¼ | NE¼-SW¼ | NW¼-SE¼ | NE¼-SE¼

SE¼-SE¼ | SW¼-SW¼ | SE¼-SW¼ | SW¼-SE¼ | SE¼-SE¼

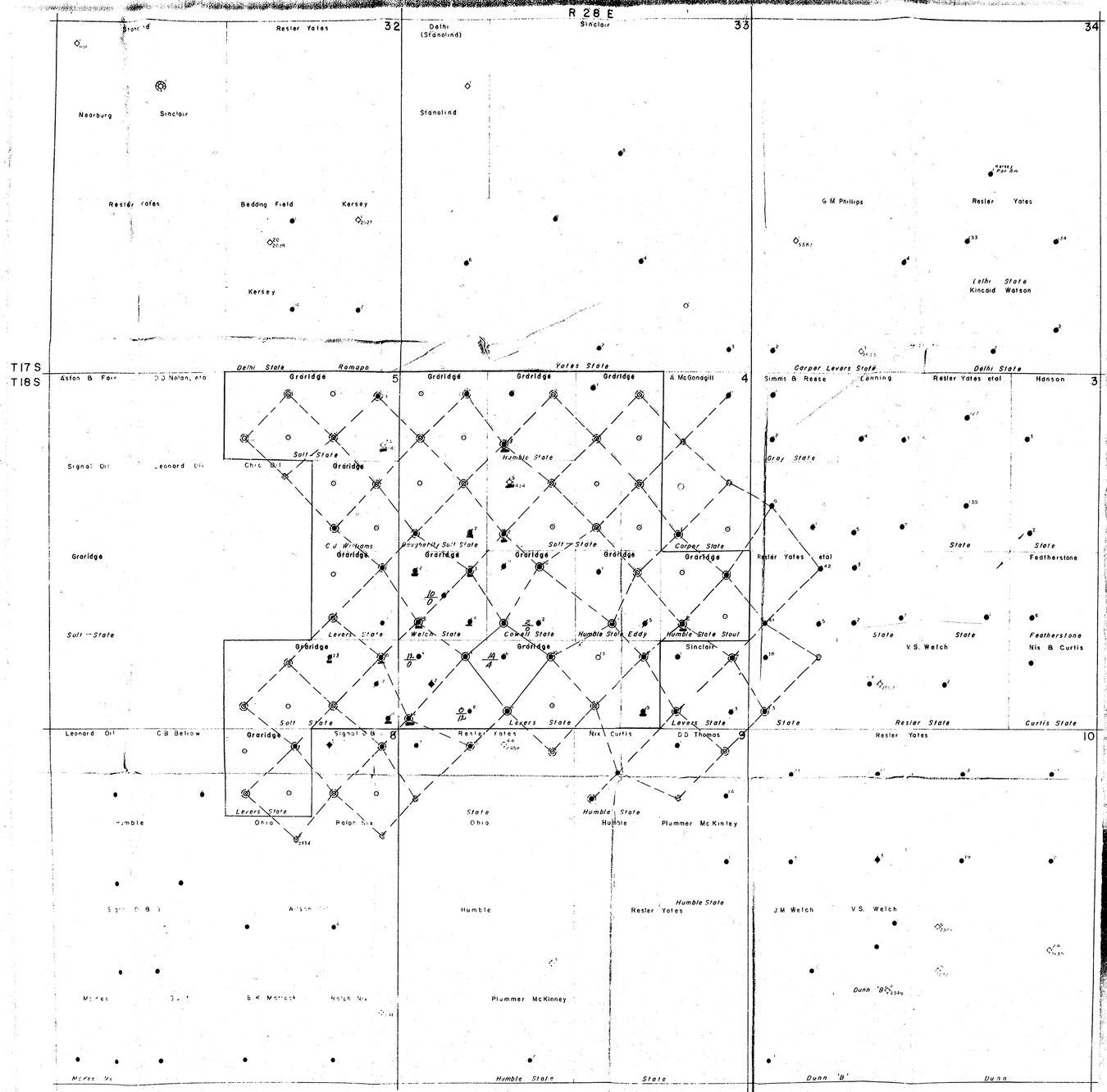
NW¼-NE¼ | NE¼-NE¼

5280
2082
3198

○ injection wells (pilot flood)
□ pilot flood producing wells

U.S.G.S. MICROGRAPHICS

BEST AVAILABLE COPY



ARTESIA FIELD

SOLT AREA

Eddy County, N.M.

DATUM

CI.

SCALE 1" = 500'

W.R.H.C.F. MICROCHAPIES

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RANDLEMAN POOL UNIT NO. 1 WELL
N/2 26-31-11

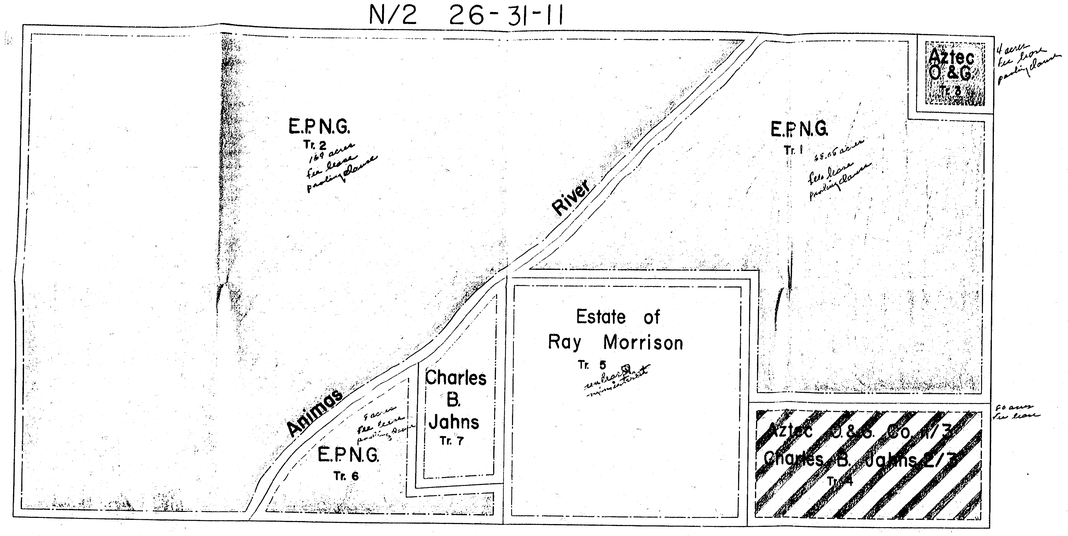
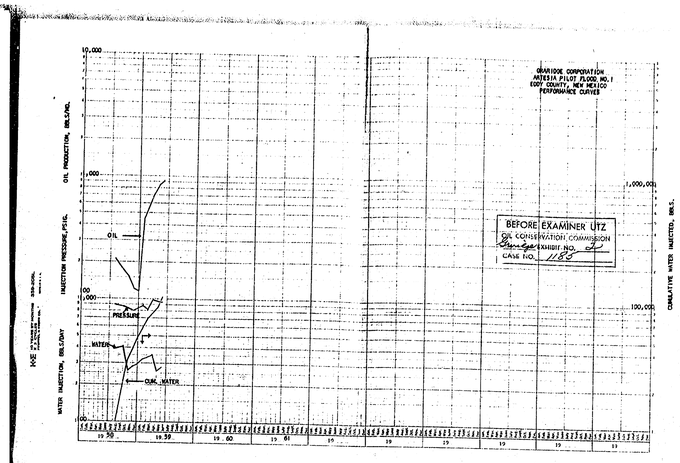
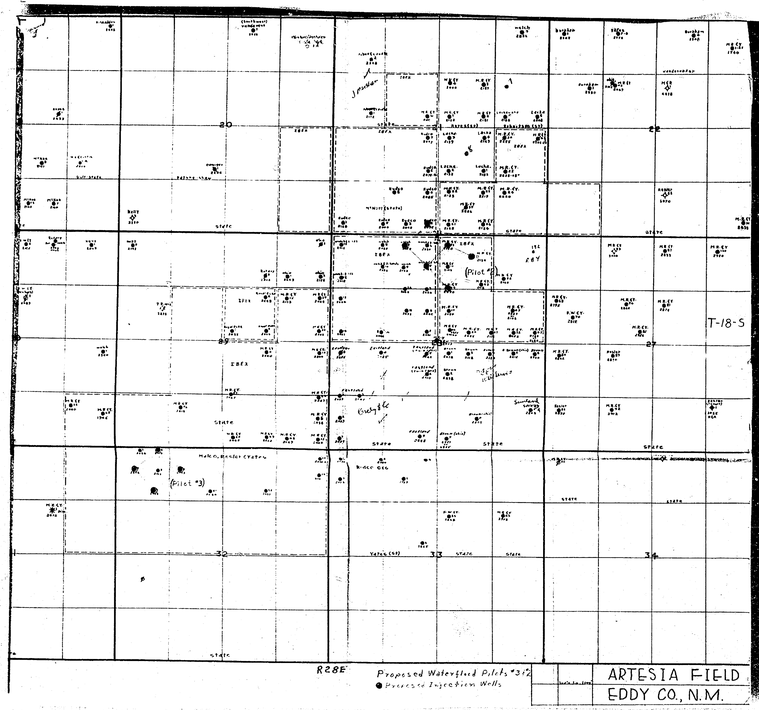
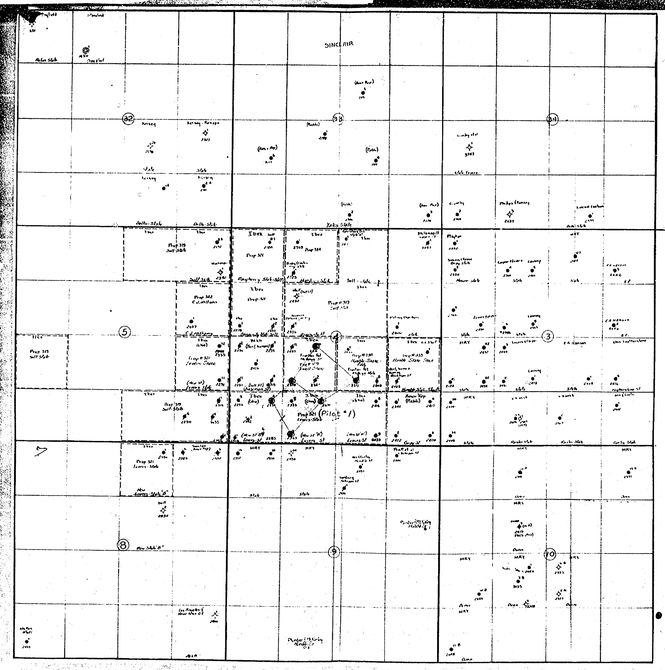


Exhibit "1"

BEFORE THE OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO Applicant: Amerada Inc. Exhibit No. 1 CASE 1157







W.R.C.P. MICROGRAPHICS
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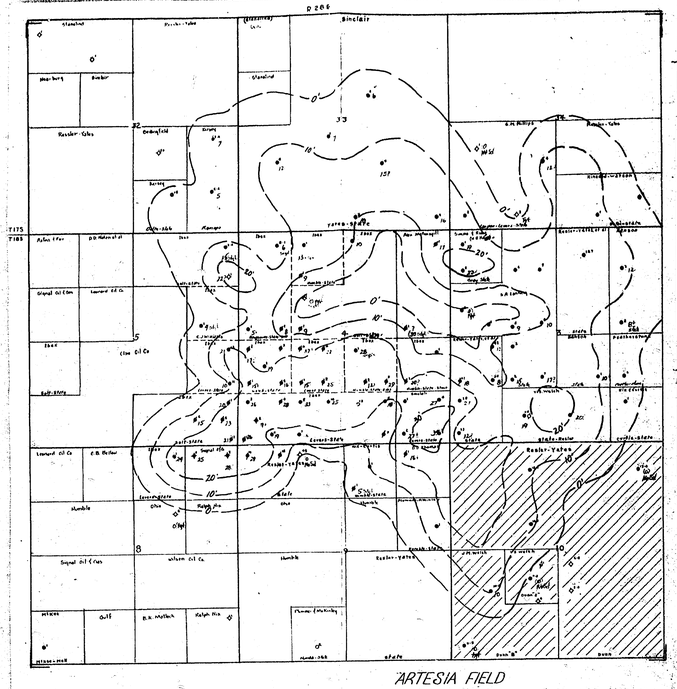


Exhibit #3

ARTESIA FIELD
SOLT AREA
EDDY COUNTY, N.M.
Scale: 1"=1000'

ISOPACHOUS MAP
Datum: Premier Sand
Contour Interval: 10 Feet
Federal Land
State Land

BEFORE THE OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO
Exhibit No. 3
CASE 1175

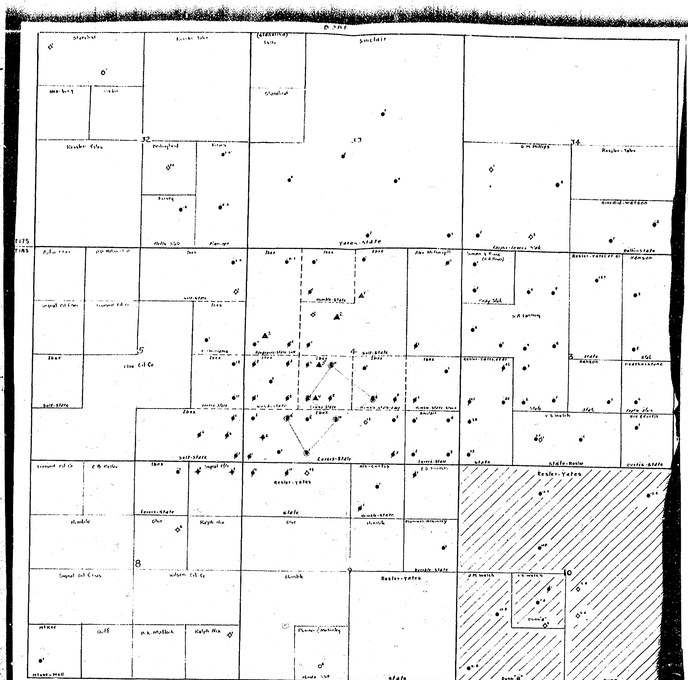
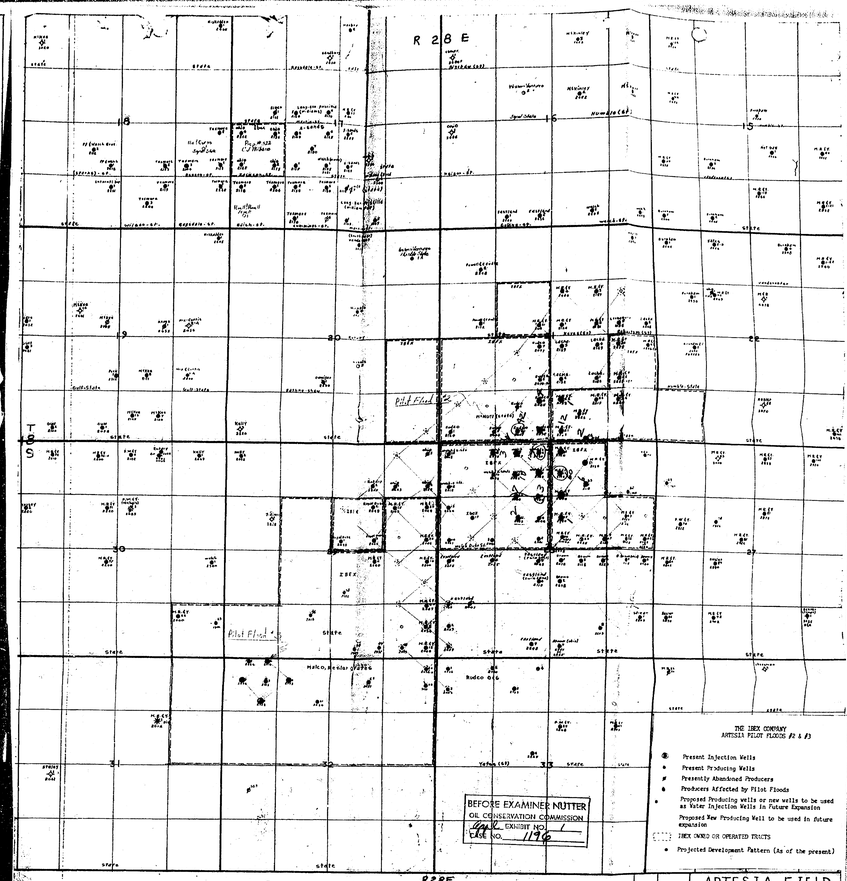


Exhibit #1

ARTESIA FIELD
SOLT AREA
EDDY COUNTY, N.M.
Scale: 1"=1000'

Proposed Pilot Waterflood
- Proposed Conversions to Water Injection Wells
- Present Producing Oil Well
- Temp. Abd. Oil Well
- Water Supply Well

BEFORE THE OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO
Exhibit No. 1
CASE 1175



THE IDEL COMPANY
ARTESIA PILOT FLOODS #2 & #3

- Present Injection Wells
- Present Producing Wells
- Presently Abandoned Producers
- Producers Affected by Pilot Floods
- Proposed Producing wells or new wells to be used as Water Injection Wells in Future Expansion
- Proposed New Producing Well to be used in future expansion
- INDEX WORD OR OPERATED TRACTS
- Projected Development Pattern (As of the present)

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
Exhibit No. 1
CASE NO. 1176

Drawn by:	ARTESIA FIELD
Checked by:	EDDY CO., N.M.

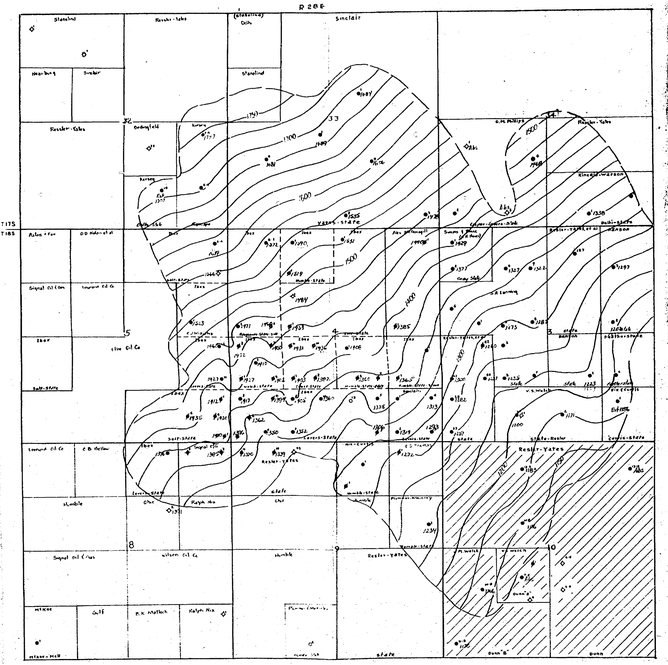


Exhibit #2

ARTESIA FIELD
SOLT AREA
EDDY COUNTY, N.M.
Scale: 1"=1000'

STRUCTURE MAP
Datum: Top Premier Sand
Contour Interval: 25 Feet
Federal Land
State Land

BEFORE THE OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO
Exhibit No. 2
CASE 1176

Halliburton
OIL WELL CEMENTING CO.

RADIOACTIVITY LOG

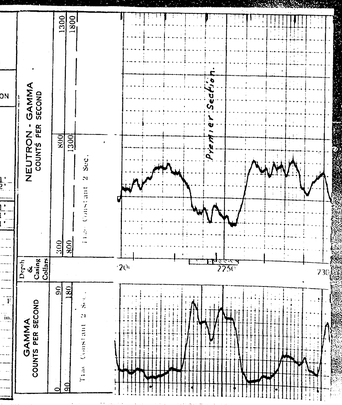
NATURAL GAMMA RADIATION — INDUCED GAMMA RADIATION

COMPANY MALCO-RESLER-YATES
WELL STATE # 100
FIELD Artesia
COUNTY Eddy STATE New Mex.
SEC. 27 TWP. 18 RGE 28
SURVEY

Location
Sec. 27
Twp. 18
Rge. 28
Elev. Df. 3571'
R.B. 3572'
Grd.

Log Measured From	Derrick floor	Elevation 3571'
Drilling Measured From	Derrick floor	Elevation 3571'
Permanent Datum	Derrick floor	Elevation 3571'

Type Log	GAMMA	S. GAMMA
Run No.	ONE	ONE
Date	3-15-56	3-15-56
Footage Logged	2,412'	2,412'
Total Depth, Driller	2,920'	2,920'
Total Depth, Logged	2,912'	2,912'
Type of Fluid in Hole	Oil	Oil
Fluid Level		
Max. Temp.	96	96
Neutron Source Strength		400 ms
Source-to-Centered Counter		15 in.
Length Meas. Device-in	29in	14in
O.D. of Instrument-in	3 5/8	3 5/8
Time Constant-sec.	2	2
Logging Speed Ft. min.	See Equation	
Scintror Source Code		Blue
Truck No.	4132	4132
Recorded by	G.E. Ayres	
Witnessed by	V. Shelton	



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

CASE NO.

11186 to 11188

Missing

Large Exhibits

OCD

W.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

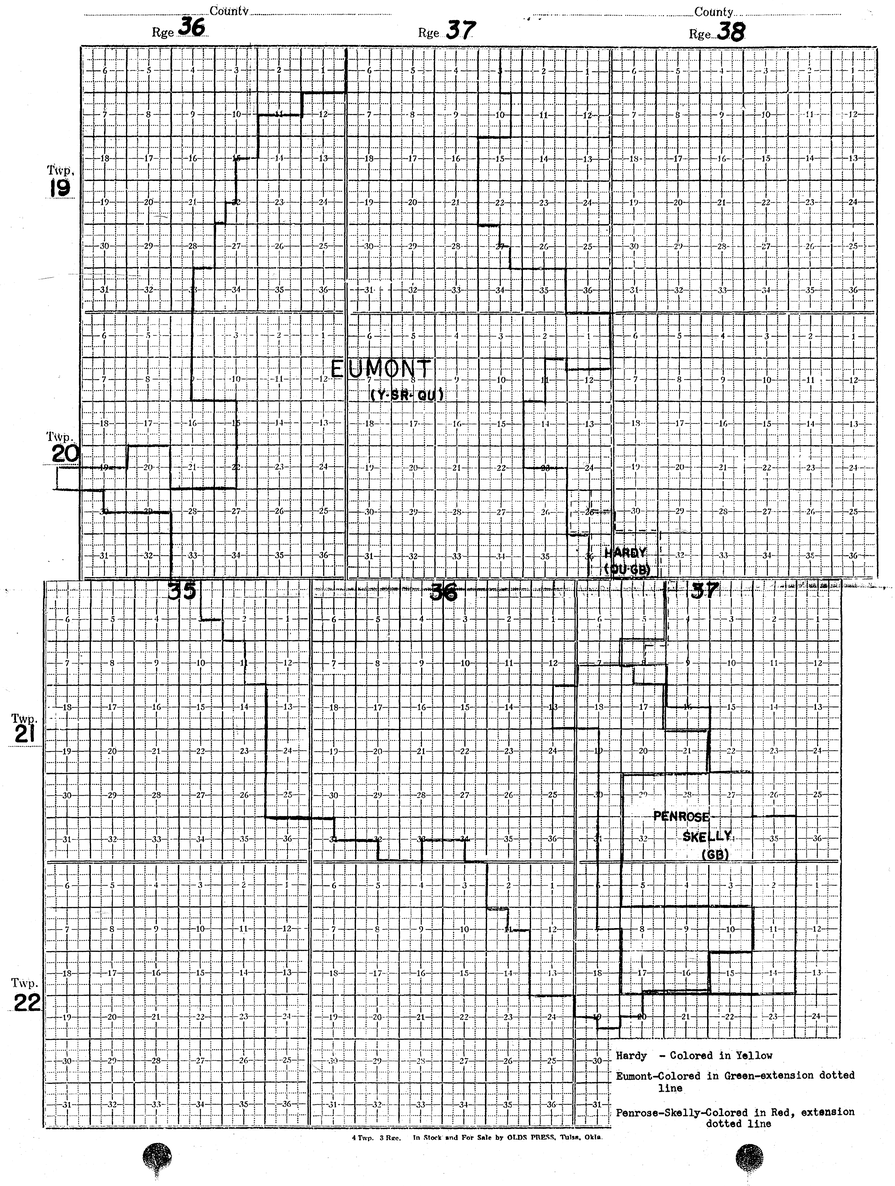
Case No.

1189

Large Exhibits

CASE 1189

(A) Abolish the Hardy
(B) Extend the Eumont to include-NW/4 and S/2 of Sec. 25, E/2 Sec. 36 of T20S R37E, and all of Sec. 31-20-38
(C) Extend the Penrose-Skelly Pool, to include W/2 Sec. 4, NE/4 Sec. 8, W/2 Sec.9, NW/4 of Sec. 16 T21South R37East



Hardy - Colored in Yellow

Eumont-Colored in Green-extension dotted line

Penrose-Skelly-Colored in Red, extension dotted line

4 Twp. 3 Rge. In Stock and For Sale by OLDS PRESS, Tulsa, Okla.

W.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

CASE NO.

1190

Missing

Large Exhibits

OCD

W.N.M.C.F. MICROGRAPHICS

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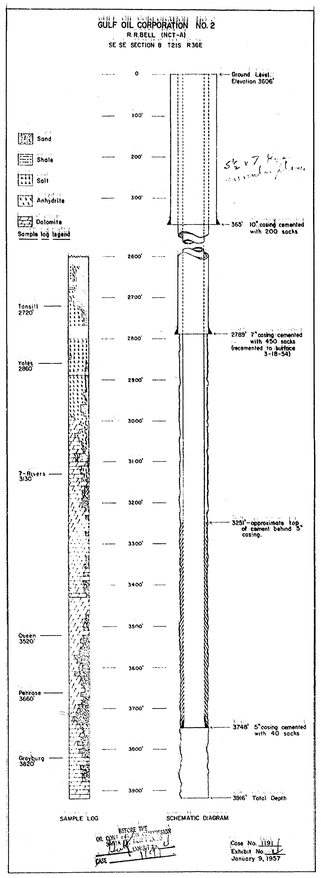
Case No.

1191

Large Exhibits

GULF OIL CORPORATION No. 2
R.R.BELL (NCT-A)
SE SE SECTION 8 T21S R36E



BEFORE EXT.
OIL CONSERVATION COMMISSION
MEXICO
CASE NO. 1191
DATE

Case No. 1191
Exhibit No. 12
January 9, 1957

W.N.M.C.U. MICROGRAPHICS
BEST AVAILABLE COPY

CASE NO.

1192

Missing

Large Exhibits

OCD

W.N.M.C.F. MICROGRAPHICS

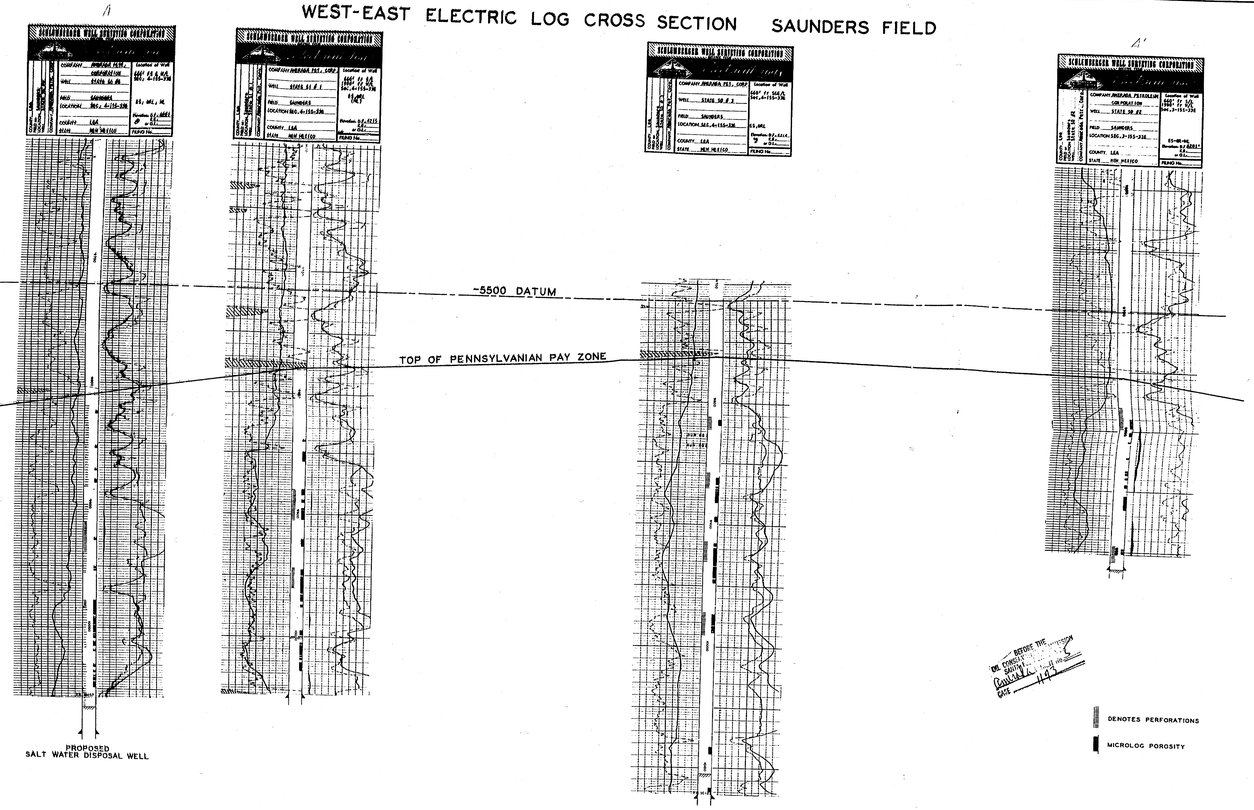
BEST AVAILABLE COPY

Case No.

1193

Large Exhibits

WEST-EAST ELECTRIC LOG CROSS SECTION SAUNDERS FIELD



BEFORE THE OIL CONSERVATION DIVISION
SANTA FE, NEW MEXICO
EXHIBIT NO. 2
CASE NO. 1193

W.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

SCHLUMBERGER WELL SURVEYING CORPORATION

Electrical Log

COMPANY AMERADA PETR. CORPORATION

WELL STATE SC #5

FIELD SAUNDERS

LOCATION SEC. 4-15S-33E

COUNTY LEA

STATE NEW MEXICO

Location of Well: 660' FS & WL SEC. 4-15S-33E

ES, GRL, ML

Elevations: D.F. 4221 K.B. or G.L.

FILING No.

RUN No.										
Date										
First Reading										
Last Reading										
Feet Measured										
Csg. Schlum.										
Csg. Driller										
Depth Reached										
Bottom Driller										
Depth Datum										
Mud Not.										
Density										
Viscosity										
Resis.										
Res. Bht.										
pH										
Wtr. Loss										
Max. Temp. °F										
Bit Size										
Spcs.—AB										
BC										
AO										
Opr. Eq Time										
Truck No.										
Recorded By										
Witness By										

REMARKS: SET TO READ 1-0 ON HEADREST SCH. I.D. 70857.

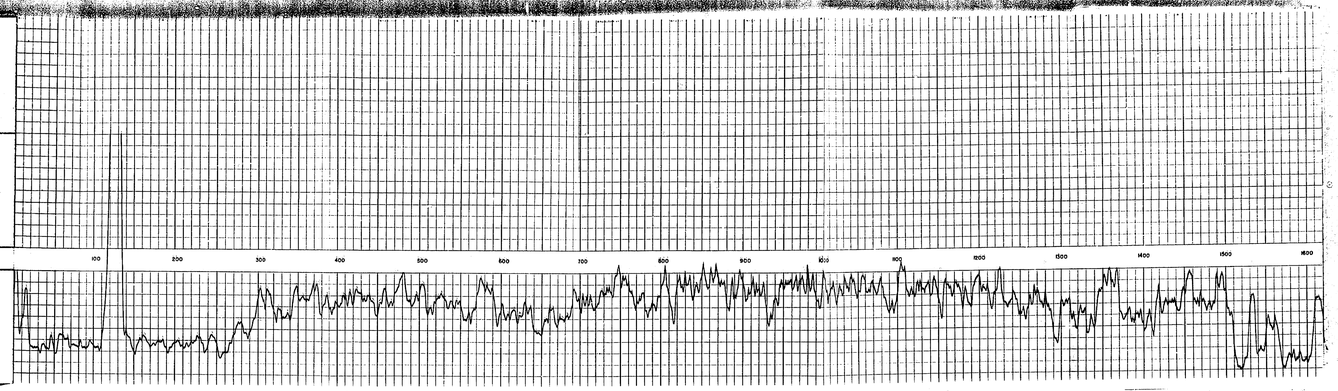
RESISTIVITY -ohms. m²/m

RUN 1 & 11 — 16" NORMAL — 64" LATERAL — 18'-LATERAL

DEPTHS

SPONTANEOUS-POTENTIAL millivolts

RADIOACTIVITY INCREASES



M.N.H.C.P. MICROGRAPHICS

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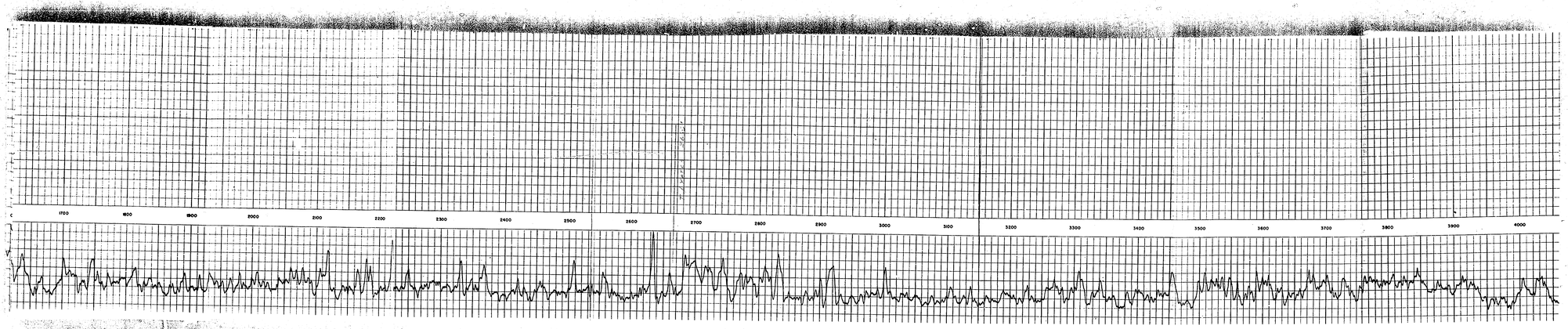

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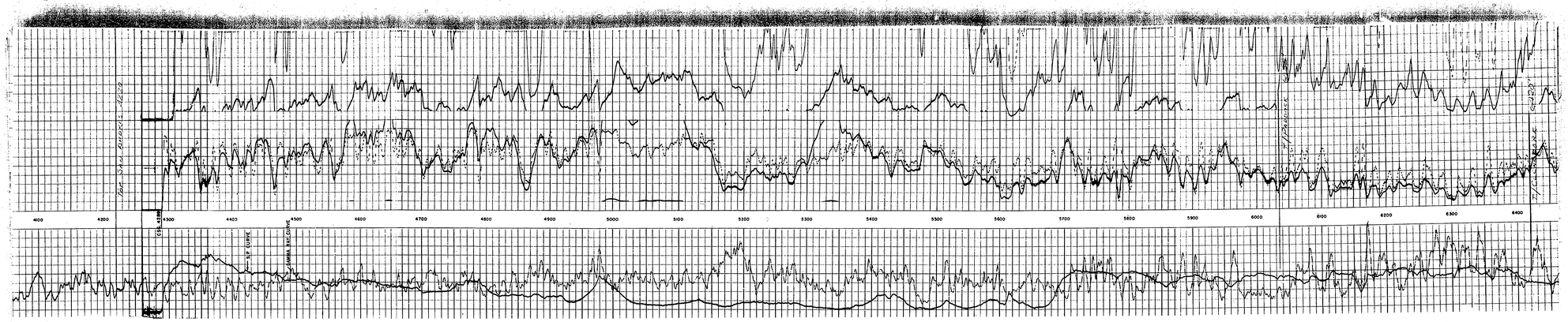

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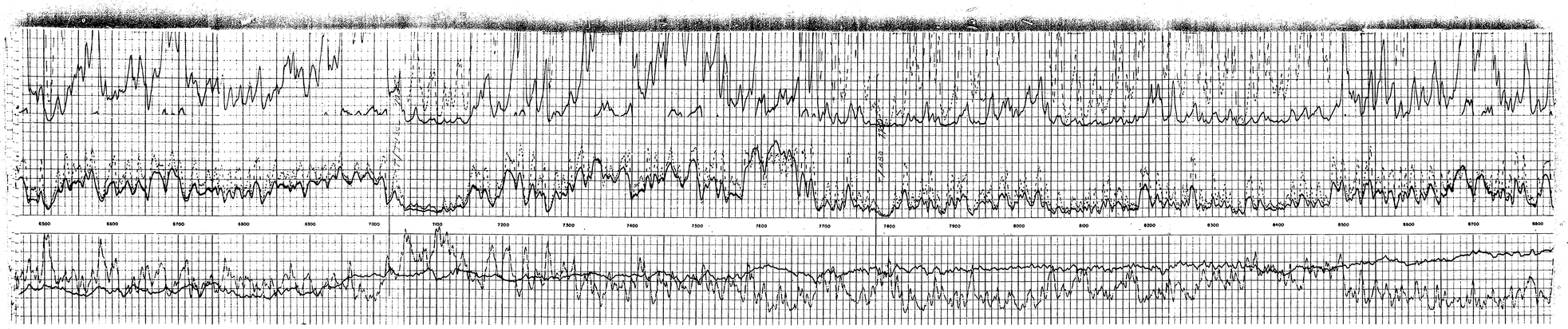

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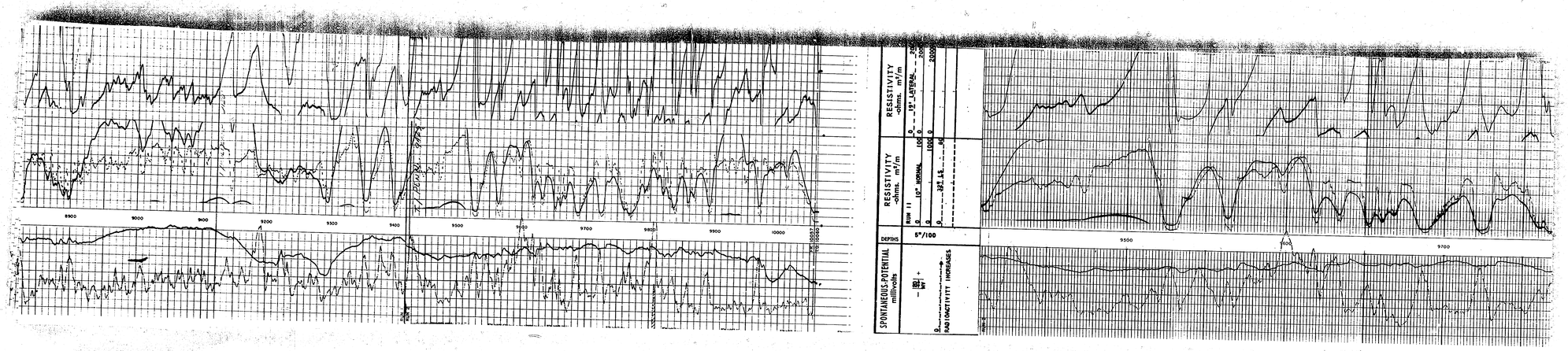

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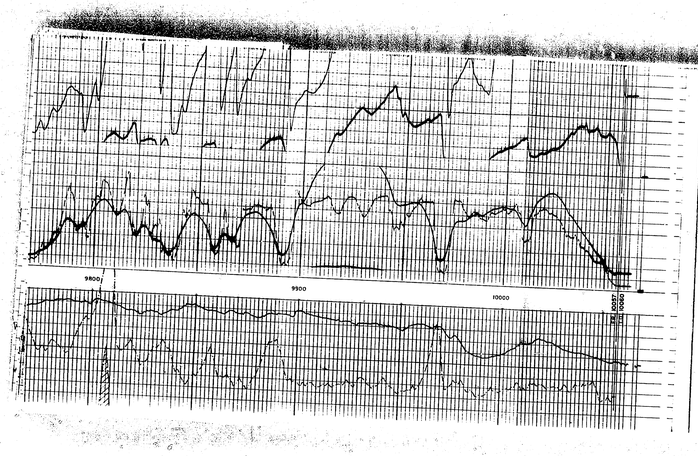

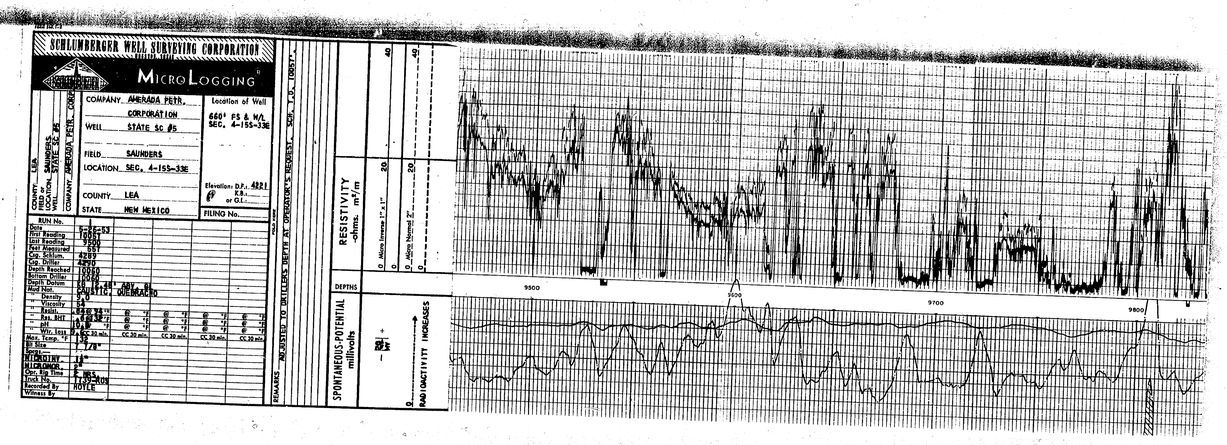

W.N.H.C.F. HICROGRAPHICS
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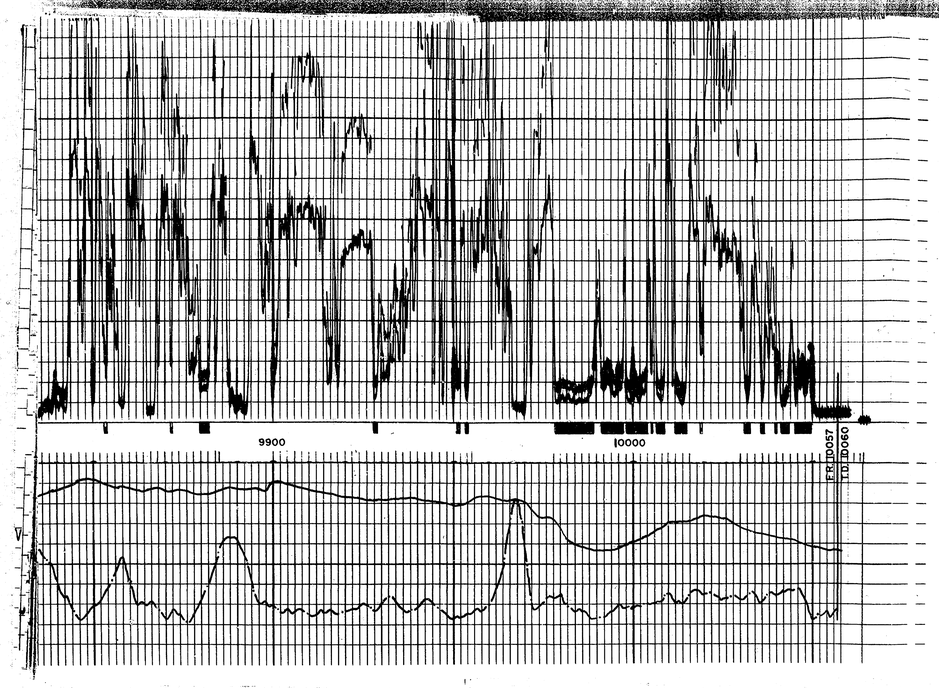
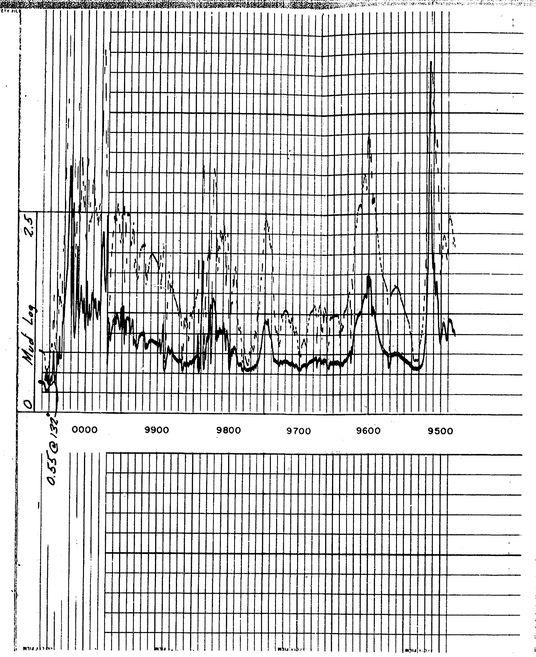




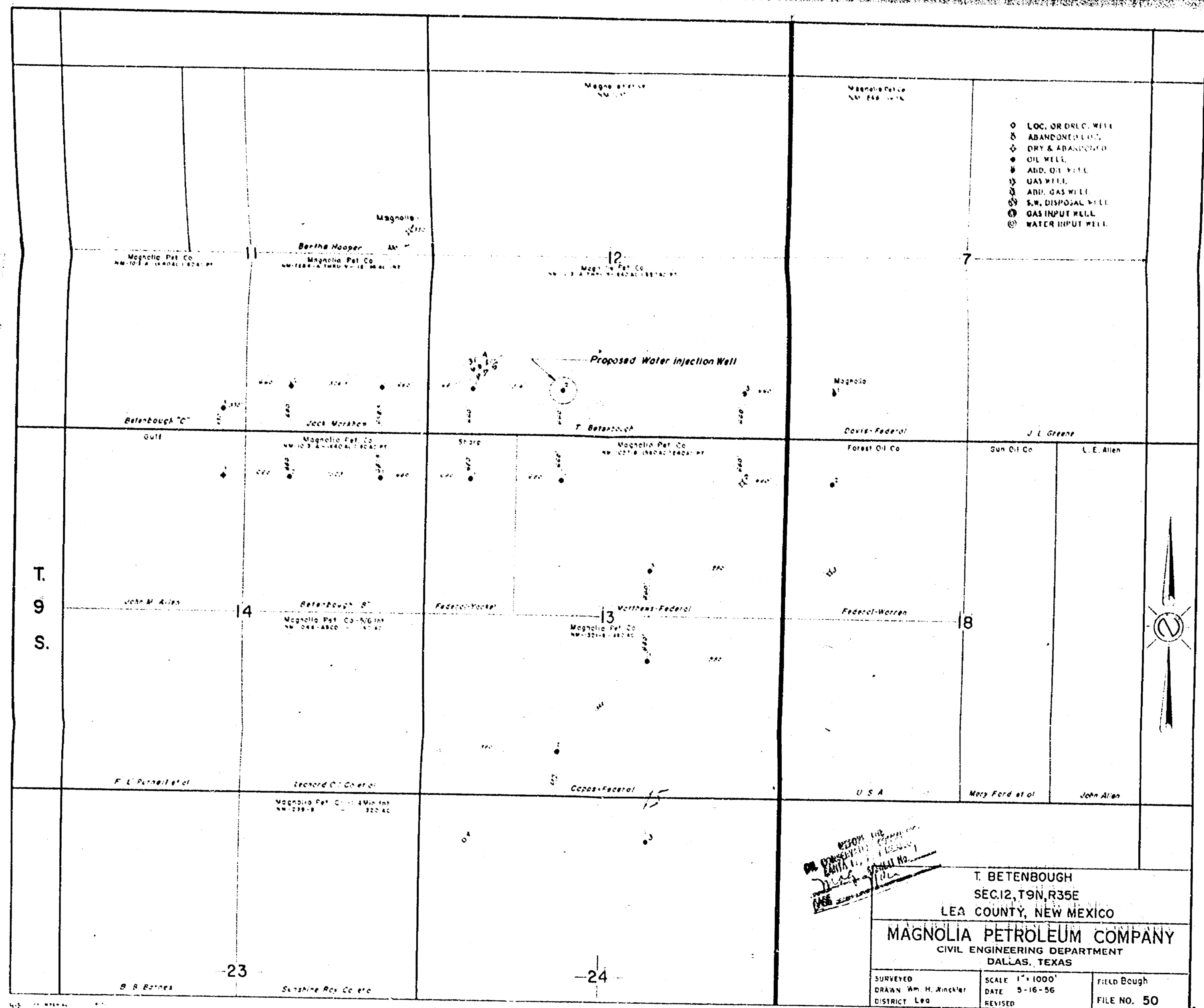
AMERADA PETR. CORP.
STATE SC #5
SAUNDERS
LEA CO., N. M.

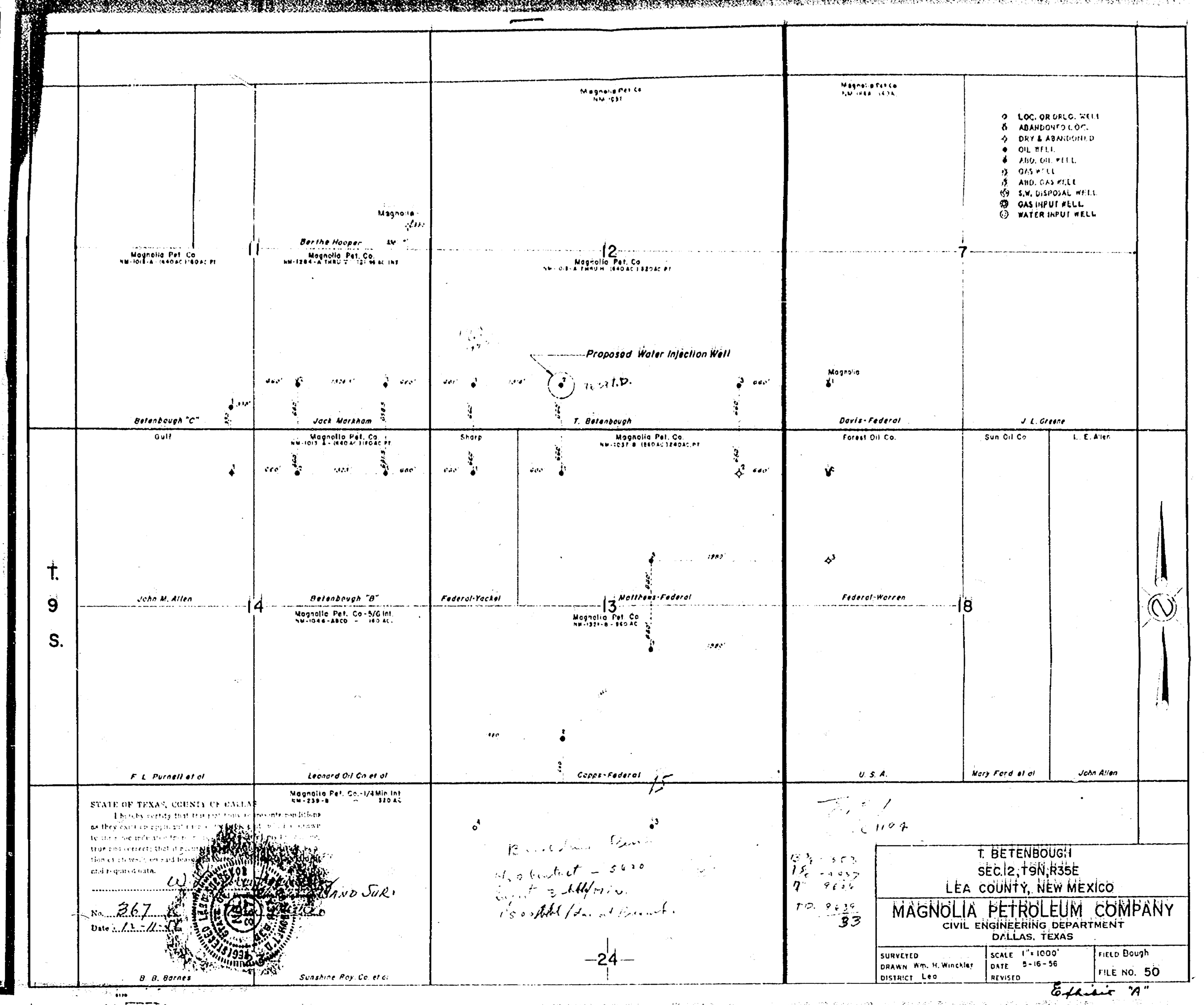
W.N.M.C.F. MICROGRAPHICS

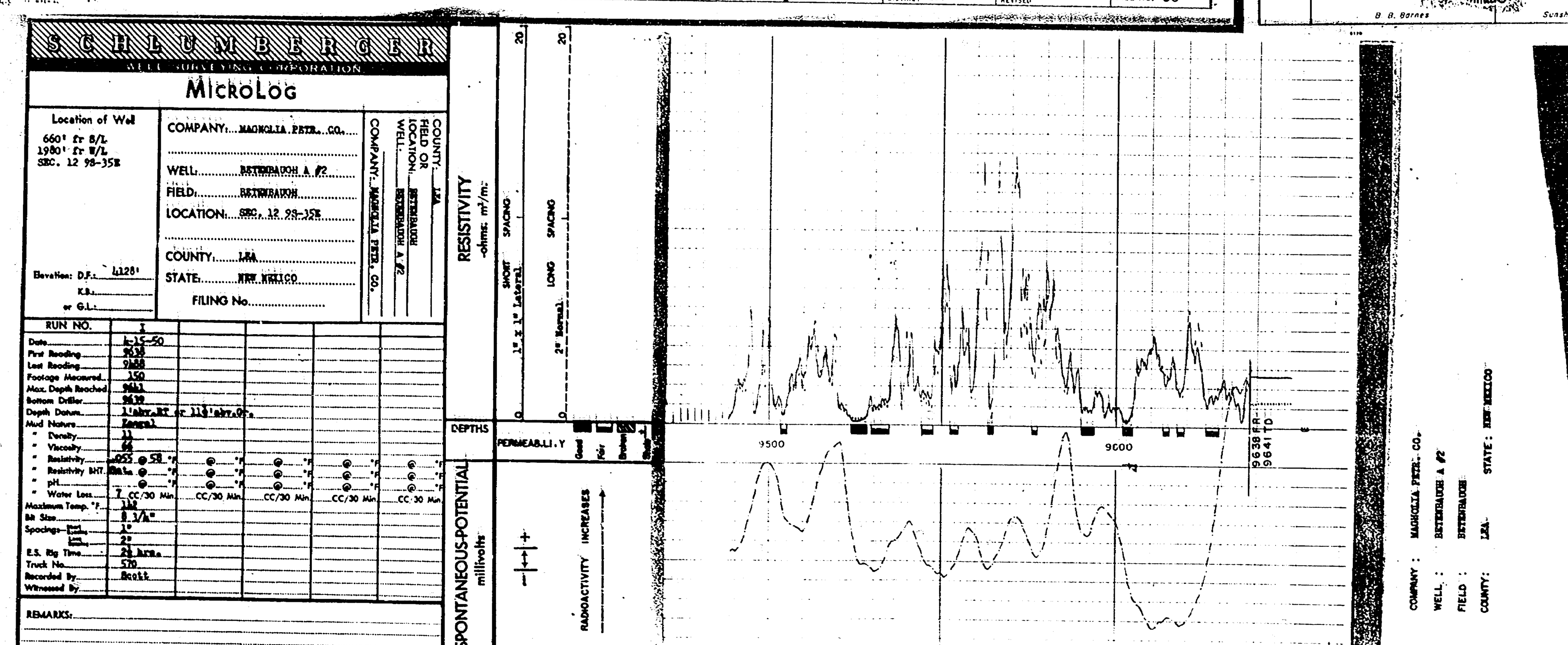
BEST AVAILABLE COPY

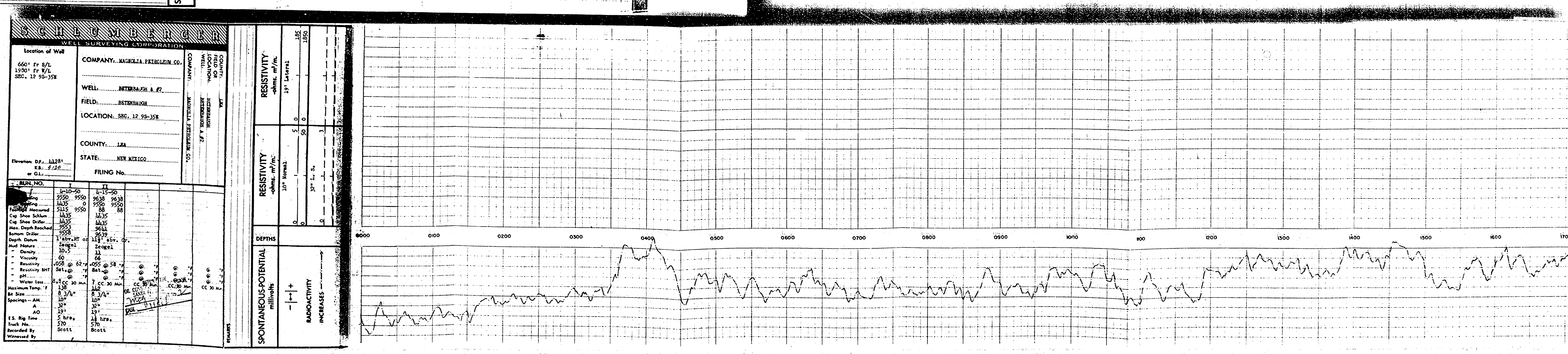
Case No. 1194

Large Exhibits









W.N.M.C.F. MICROGRAPHICS

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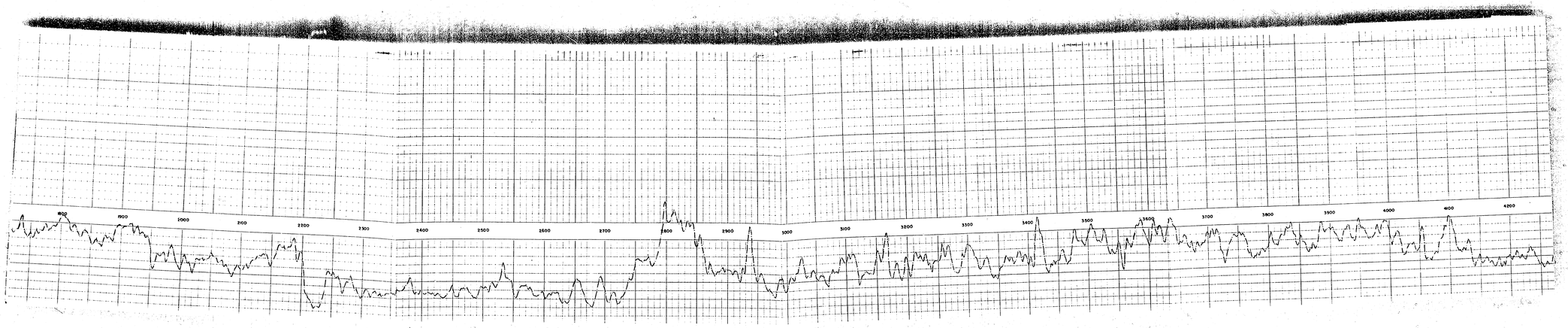

U.S.N.C.F. MICROGRAPHICS

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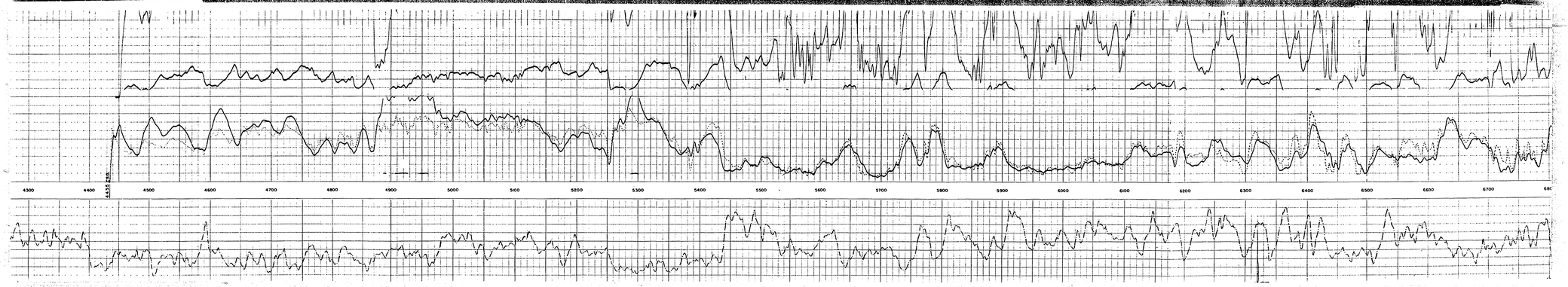

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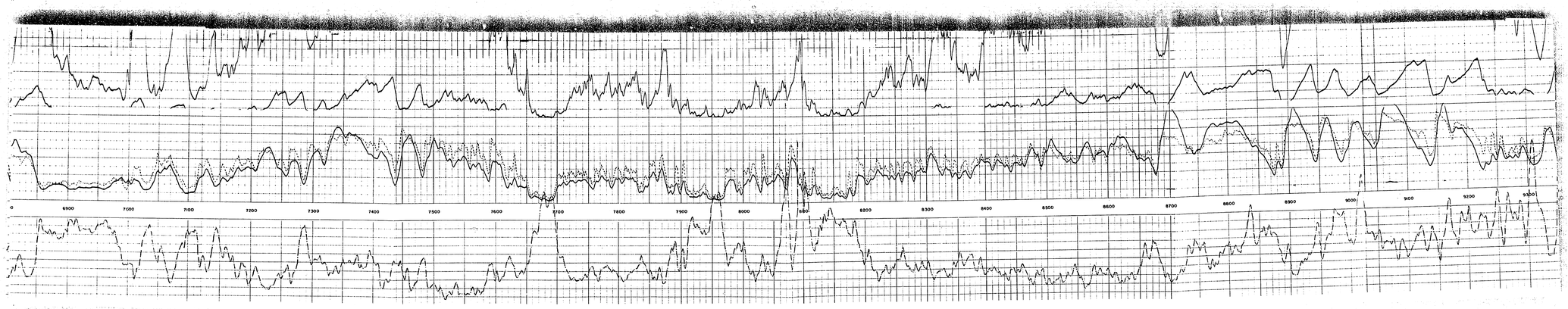


U.S.N.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

COMPANY MAGNOLIA PETROLEUM CO.
WELL BETCHERBAUER A #2
FIELD BETCHERBAUER
COUNTY LEA STATE NEW MEXICO

9639
4130
5309

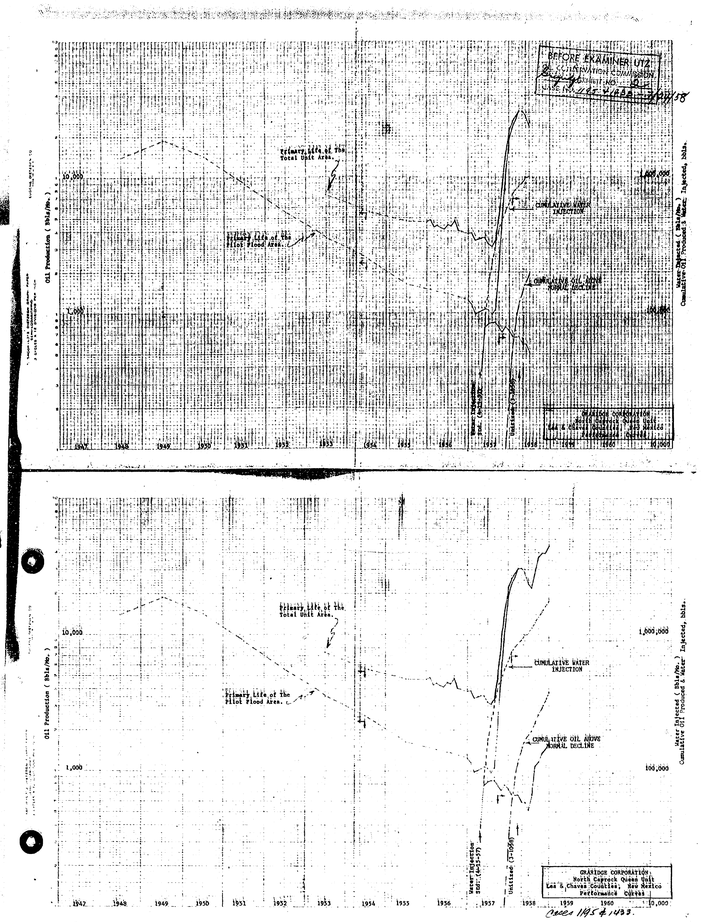
W.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

Case No.

1195

Large Exhibits



W.S.N.C.F. MICROGRAPHICS
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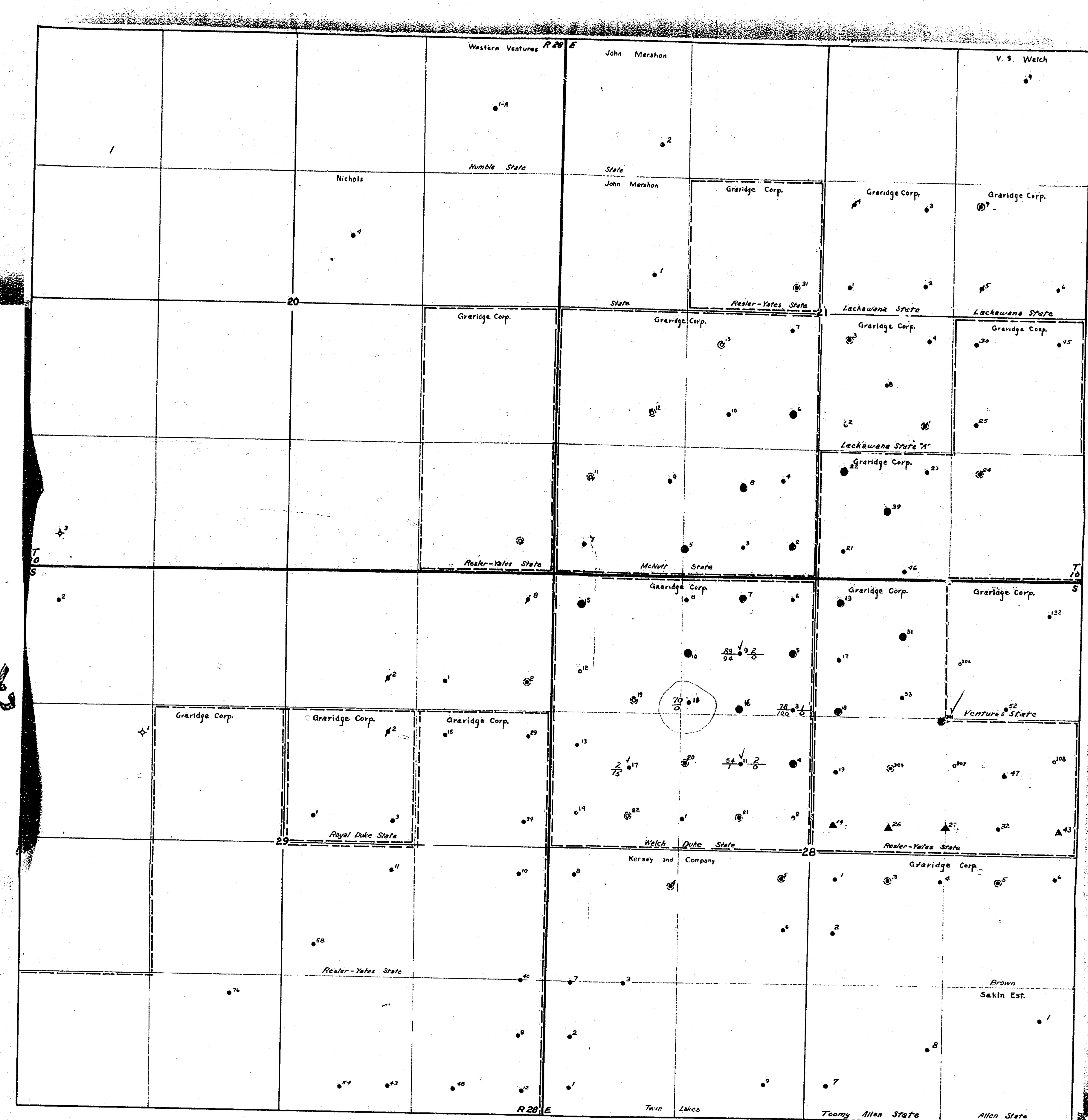
Case No.

1196

Large Exhibits



Oil/Water Production by Test

Oil/Water " before Kick

BEFORE EXAMINER FISCHER
OIL CONSERVATION COMMISSION
Graridge Corp. Exhibit No. 1
Case No. 1681

W.N.M.C.F. MICROGRAPHICS

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W.N.M.C.F. MICROGRAPHICS

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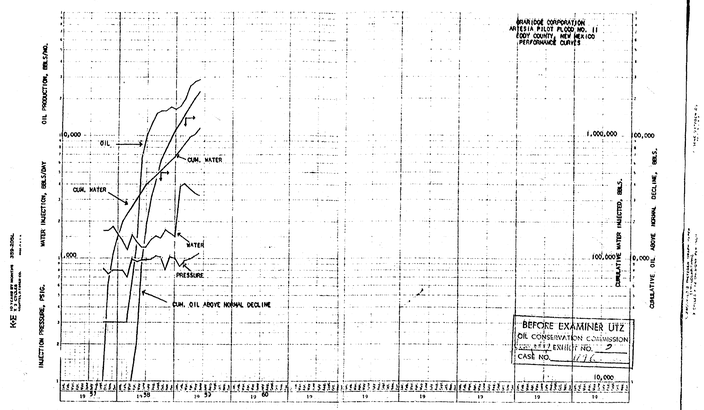

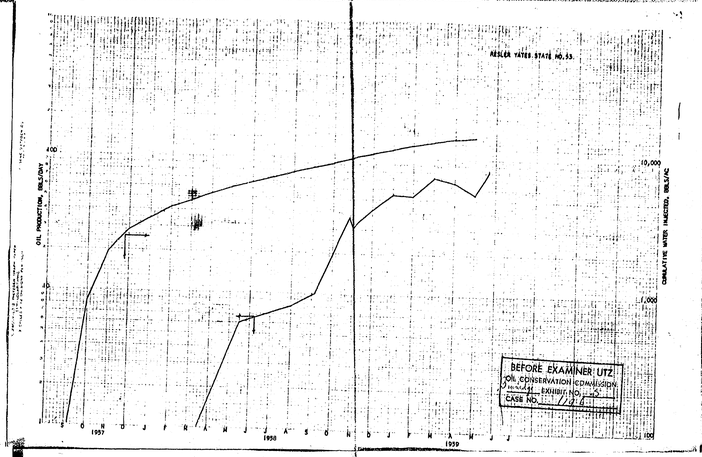

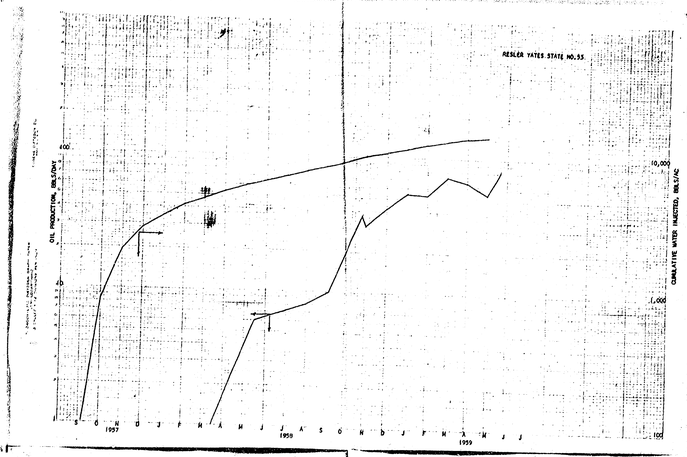

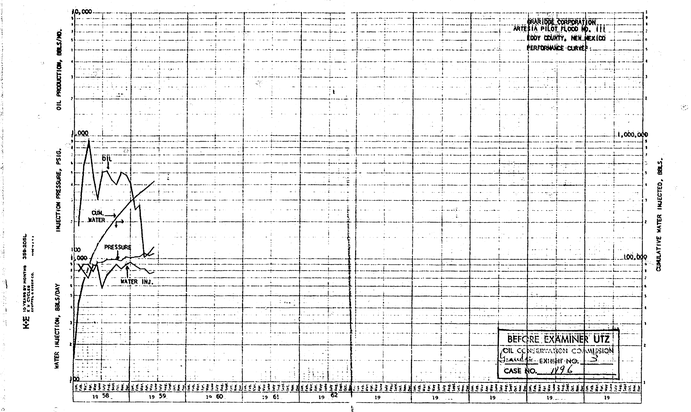

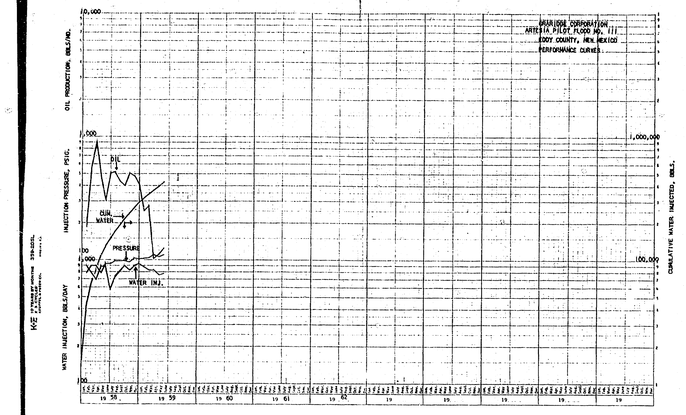

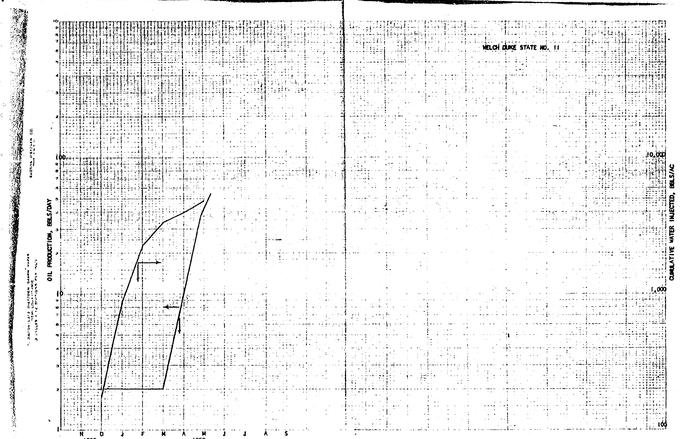

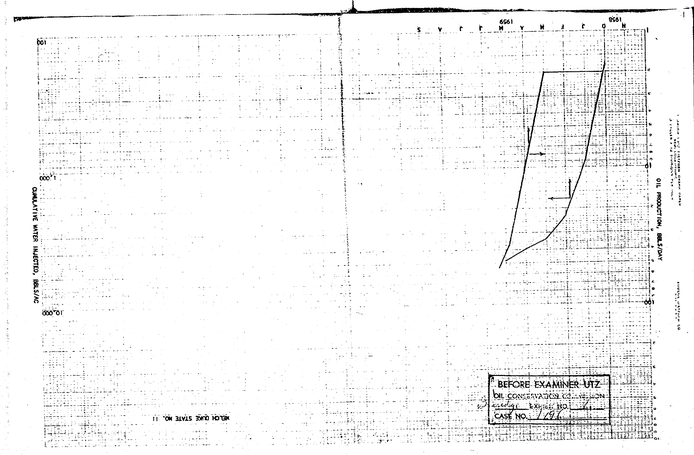

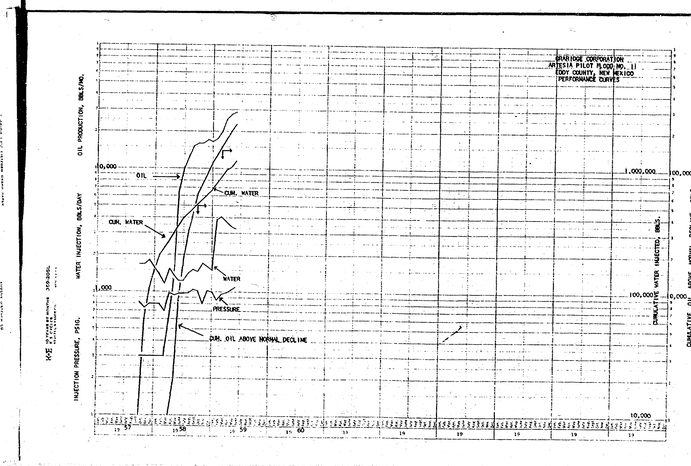

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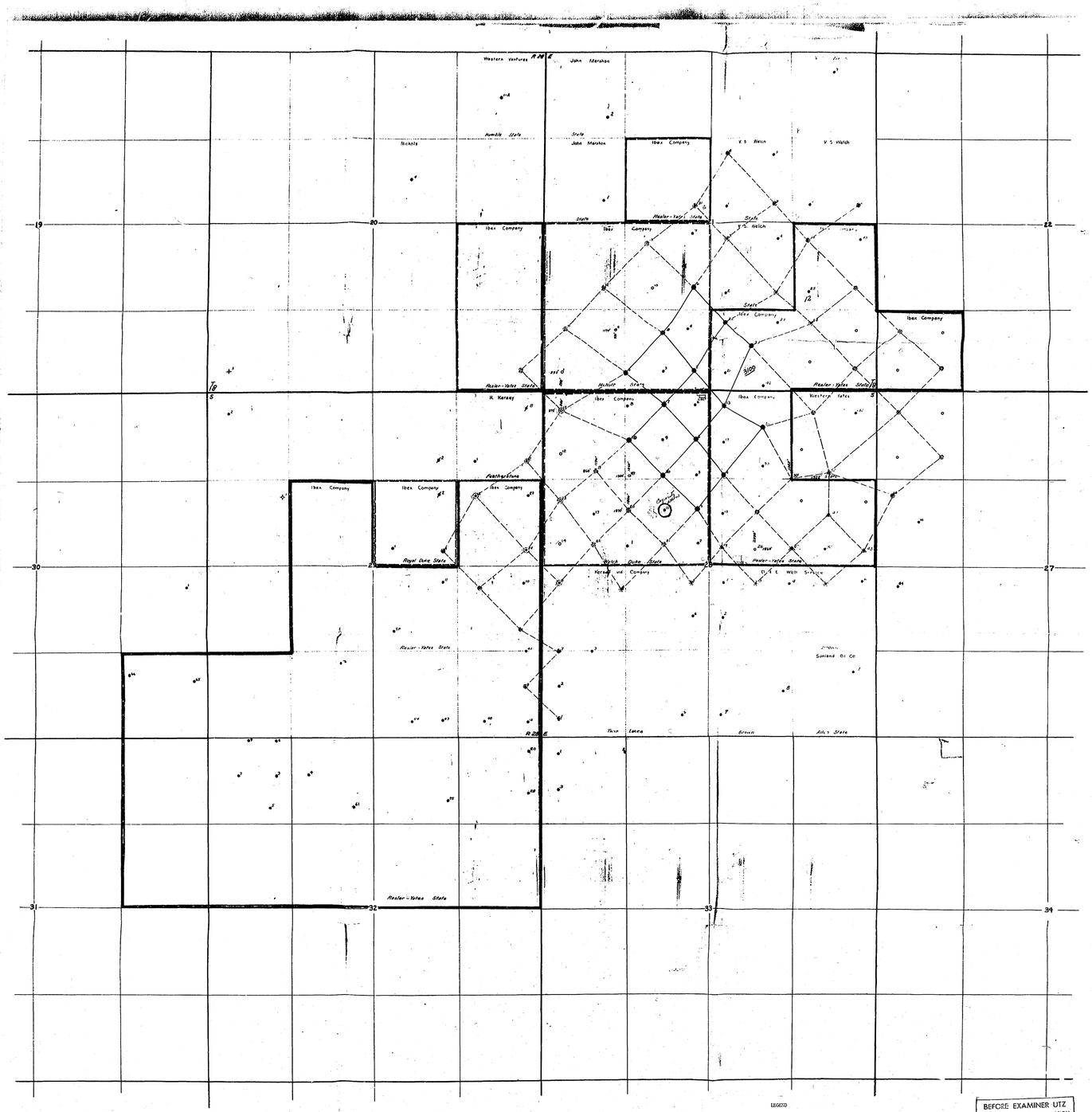
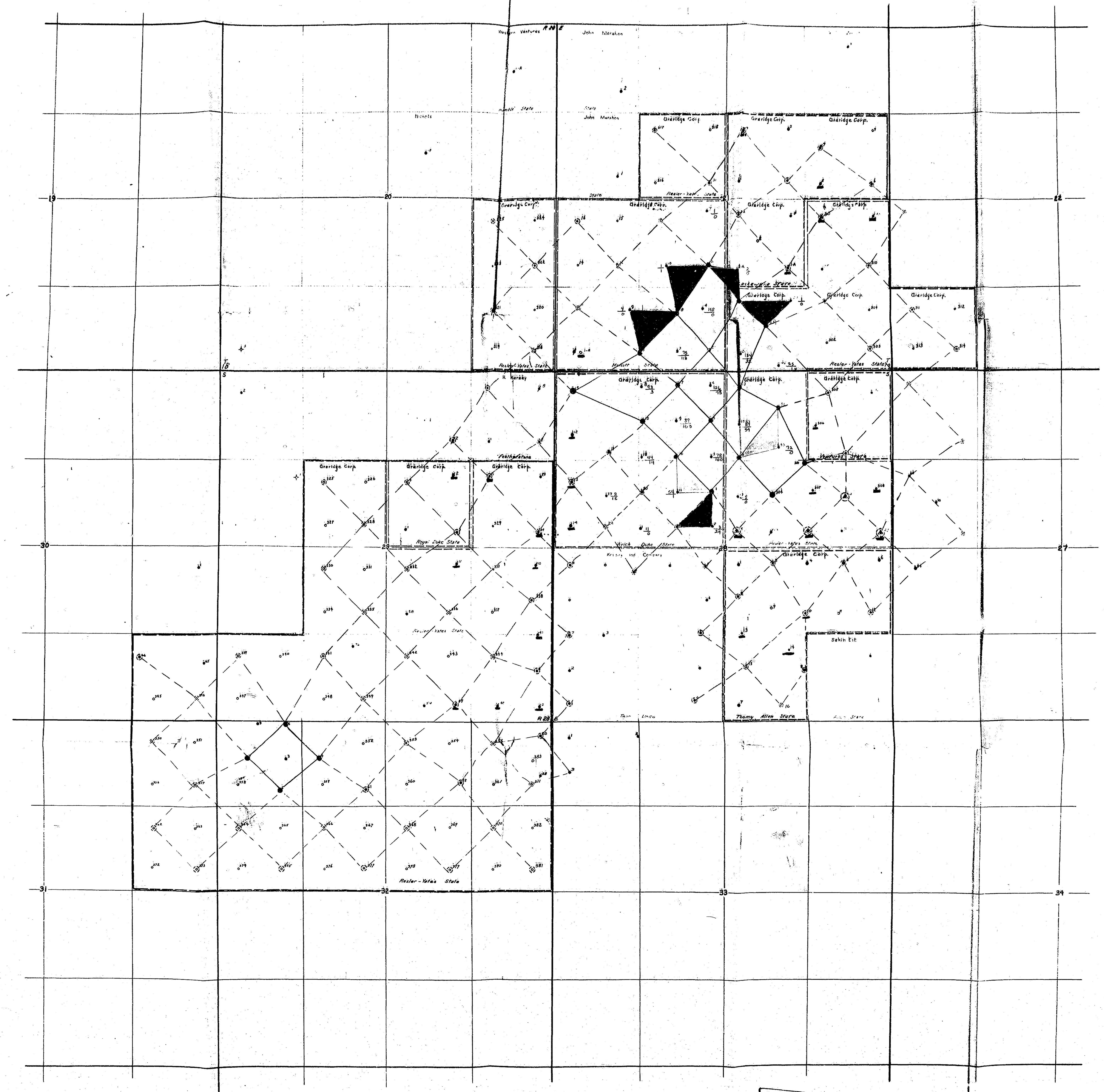


LEGEND

- Future Producing Well location ..... o
- Future Injection Well location ..... ⊕
- Present Producing Well ..... •
- Present Producing Well that will eventually be an Injection Well ..... ⊛
- Active Injection Well ..... ●
- Well in Lower Horizon that will either be plugged back or twinned ..... ▲

ARTESIA FIELD
EDDY COUNTY, N. MEX.
SCALE 1"=500'

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO. 1
CASE NO. 1176

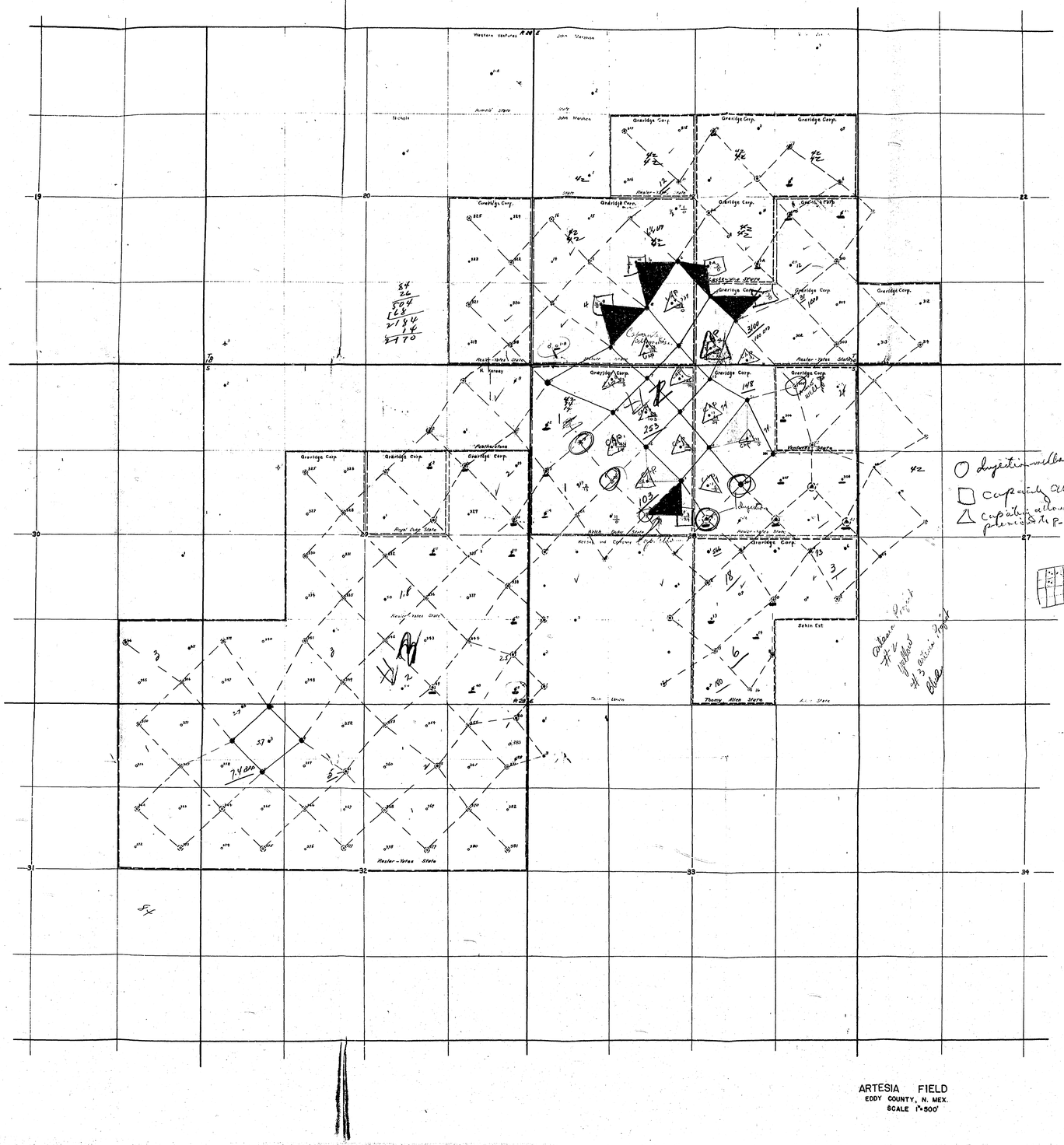


BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO. 1
CASE NO. 1156

ARTESIA FIELD

EDDY COUNTY, N. MEX.
SCALE 1"=500'

MICROGRAPHICS
AVAILABLE COPY



ARTESIA FIELD
EDDY COUNTY, N. MEX.
SCALE 1"=500'

N.M.O.C.C. MICROGRAPHICS
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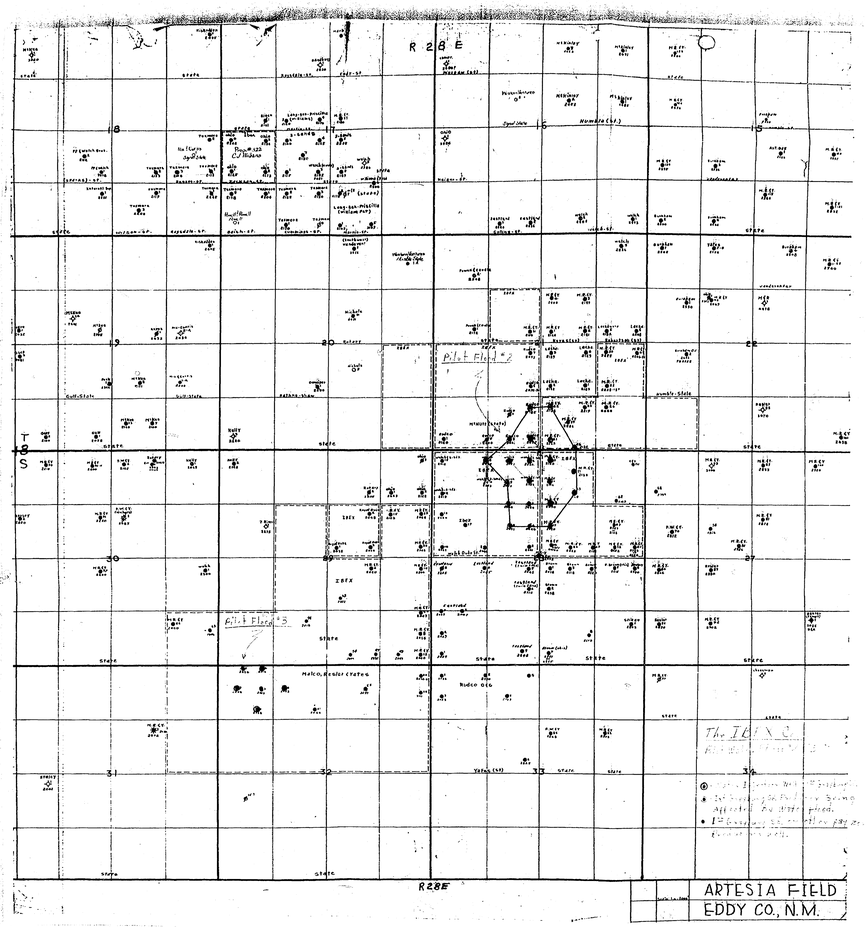

ARTESIA FIELD
EDDY CO., N.M.

M.N.H.C.F. MICROGRAPHICS
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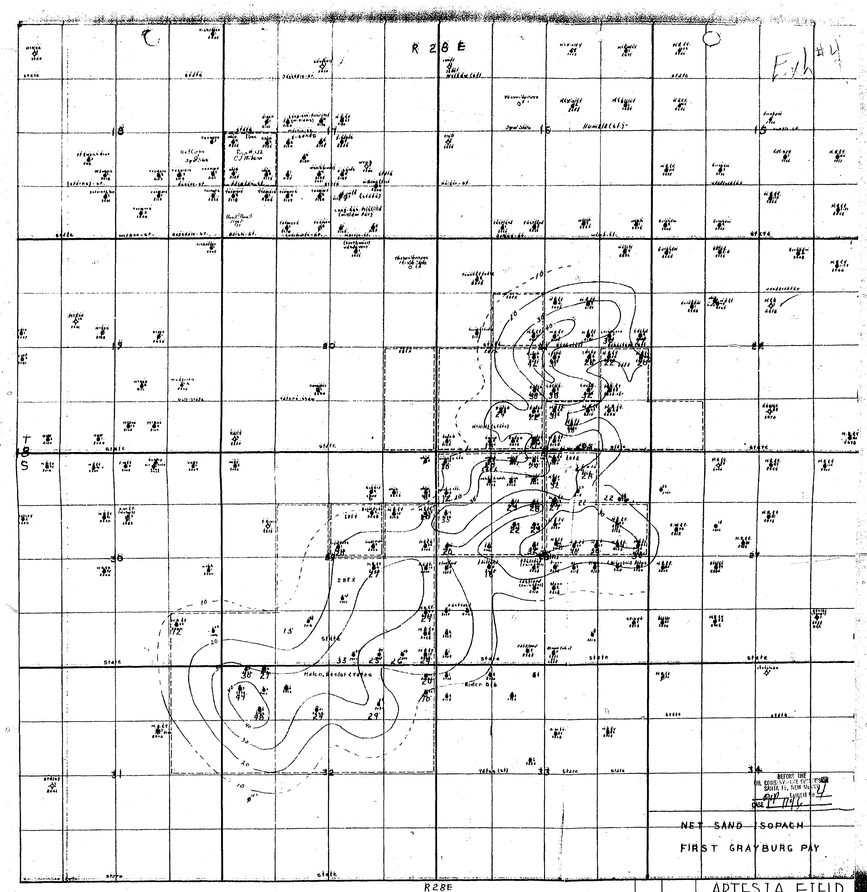

ARTESIA FIELD
EDDY CO., N.M.

W.N.M.C.F. PHOTOGRAPHICS
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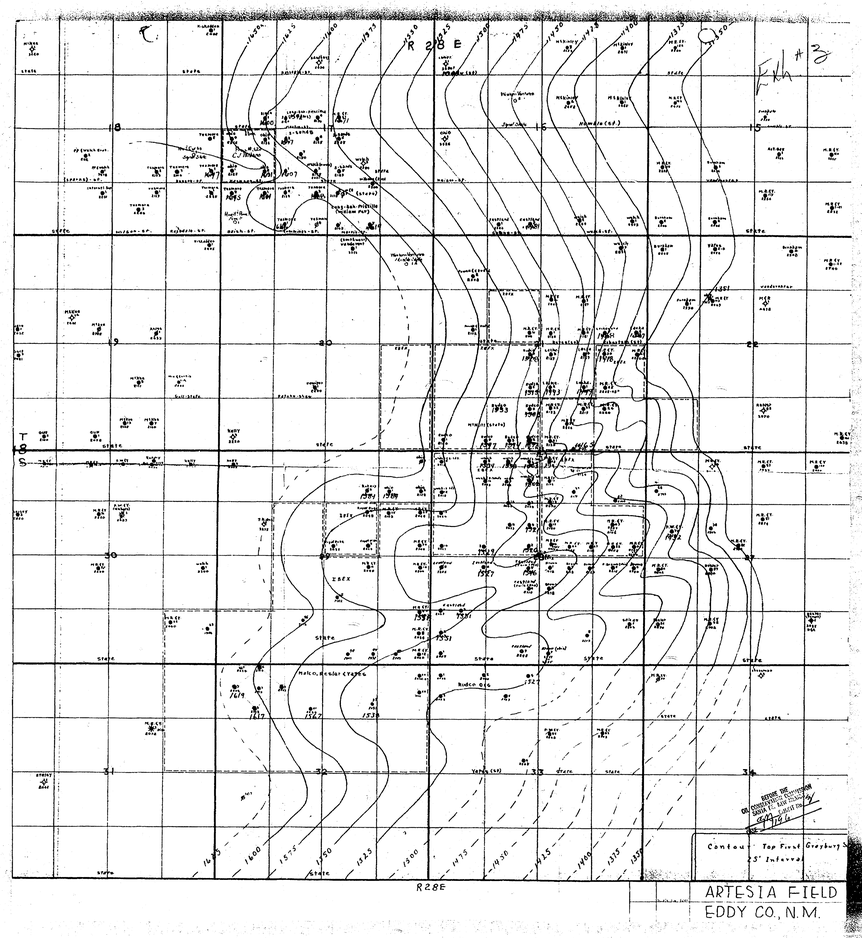

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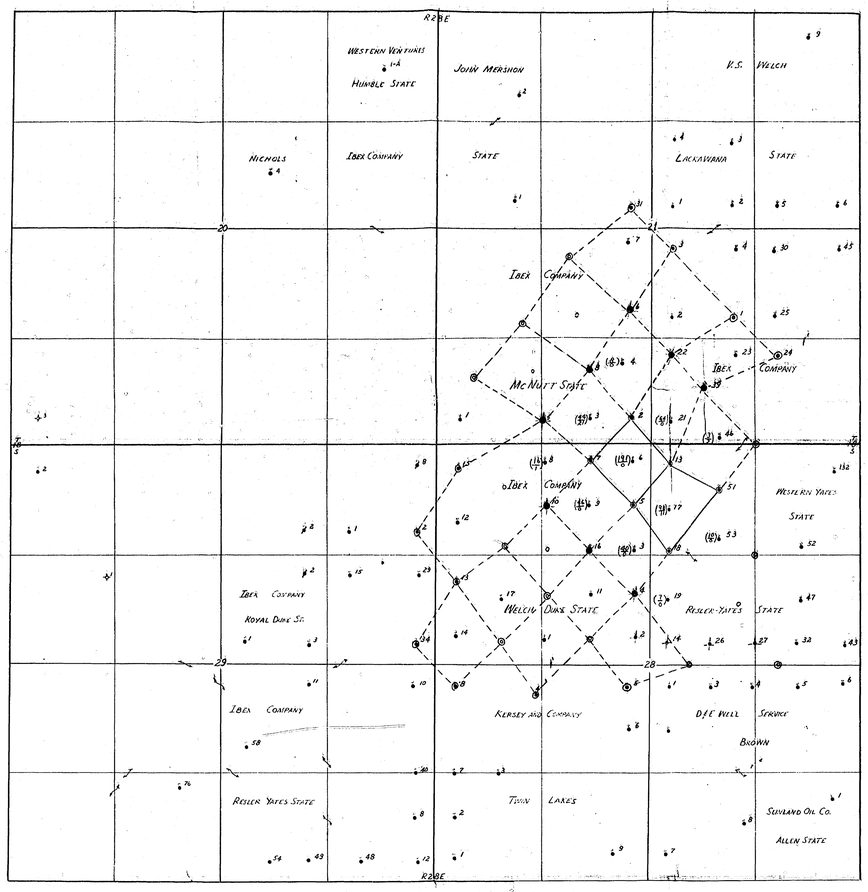


PORTION OF THE ARTESIA FIELD
EDDY COUNTY, NEW MEXICO
Scale 1"=50'

THE IBEX COMPANY
ARTESIA PILOT FLOOD NO. 2
LEGEND

- Present Producing Well
- Proposed Producing Well Location
- Present Injection Well
- Proposed Injection Well In Expansion Requested
- Proposed Injection Well For Future Expansion
- Proposed Injection Well Location For Future Expansion
- Wells Requiring OCC Approval as Unorthodox Location
- Well Not To Be Included In Water Flood
- Present Pilot Flood
- Projected Development Pattern (As Presently Proposed)
- (Bbl.) Present Daily Production, Bbls.

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

R 28 E

T 18 S

THE IDEX COMPANY
ARTESIA PILOT FLOODS (#2 & #3)

- Present Injection Wells
- Present Producing Wells
- Presently Abandoned Producers
- Producers Affected by Pilot Floods
- Proposed Producing wells or new wells to be used as Water Injection Wells in Future Expansion
- Proposed New Producing Well to be used in future expansion.
- IDEX OWNED OR OPERATED TRACTS
- Projected Development Pattern (As of the present)

ARTESIA FIELD
EDDY CO., N.M.

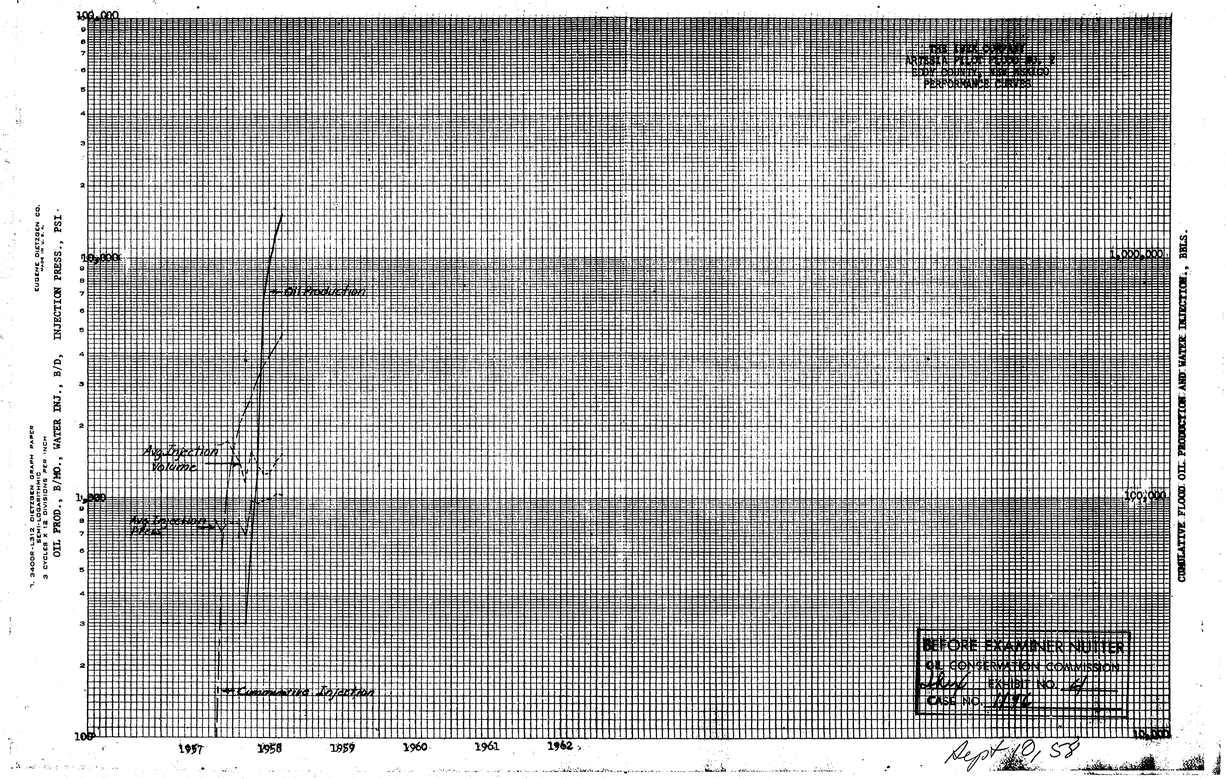
R 28 E

T 18 S

Proposed Pilot Floods #2 & #3 in East Grayburg Sd. (Permian)
- Proposed Conversion Injection Wells
- Temporarily Abandoned Producers
- Present Producers - First Response
- Water Supply Wells (2200 ft. Sd.)

ARTESIA FIELD
EDDY CO., N.M.

N.M.S.C.U. MICROGRAPHICS
BEST AVAILABLE COPY



W.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

CASE No.

11197 to 11199

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Large Exhibits

OCD

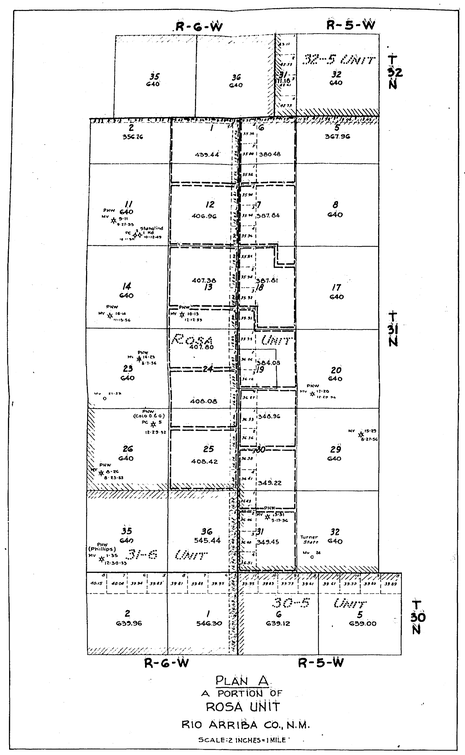
W.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

Case No.

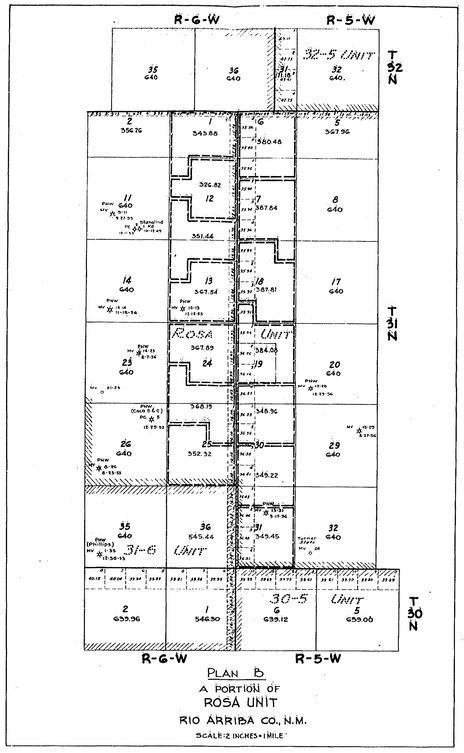
1200

Large Exhibits



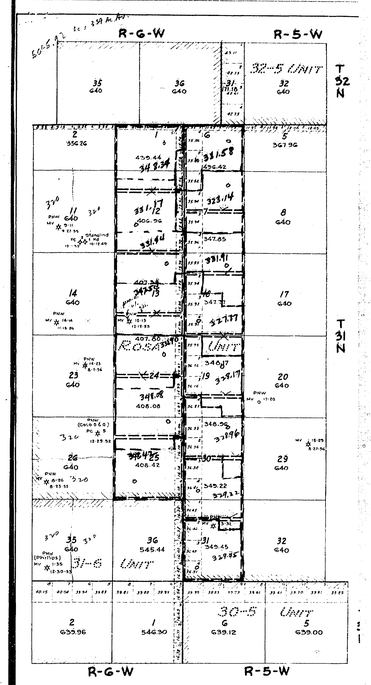
PLAN A
A PORTION OF
ROSA UNIT
RIO ARRIBA CO., N.M.
SCALE: 2 INCHES = 1 MILE

BEFORE THE OIL CONSERVATION DIVISION SANTA FE, NEW MEXICO EXHIBIT No. 1
CASE 1200



PLAN B
A PORTION OF
ROSA UNIT
RIO ARRIBA CO., N.M.
SCALE: 2 INCHES = 1 MILE

BEFORE THE OIL CONSERVATION DIVISION SANTA FE, NEW MEXICO EXHIBIT No. 3
CASE 1200



A PORTION OF
ROSA UNIT
RIO ARRIBA CO., N.M.
SCALE: 2 INCHES = 1 MILE

W.N.M.C.P. MICROGRAPHICS

BEST AVAILABLE COPY

CASE NO.

1201

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Large Exhibits

OCD

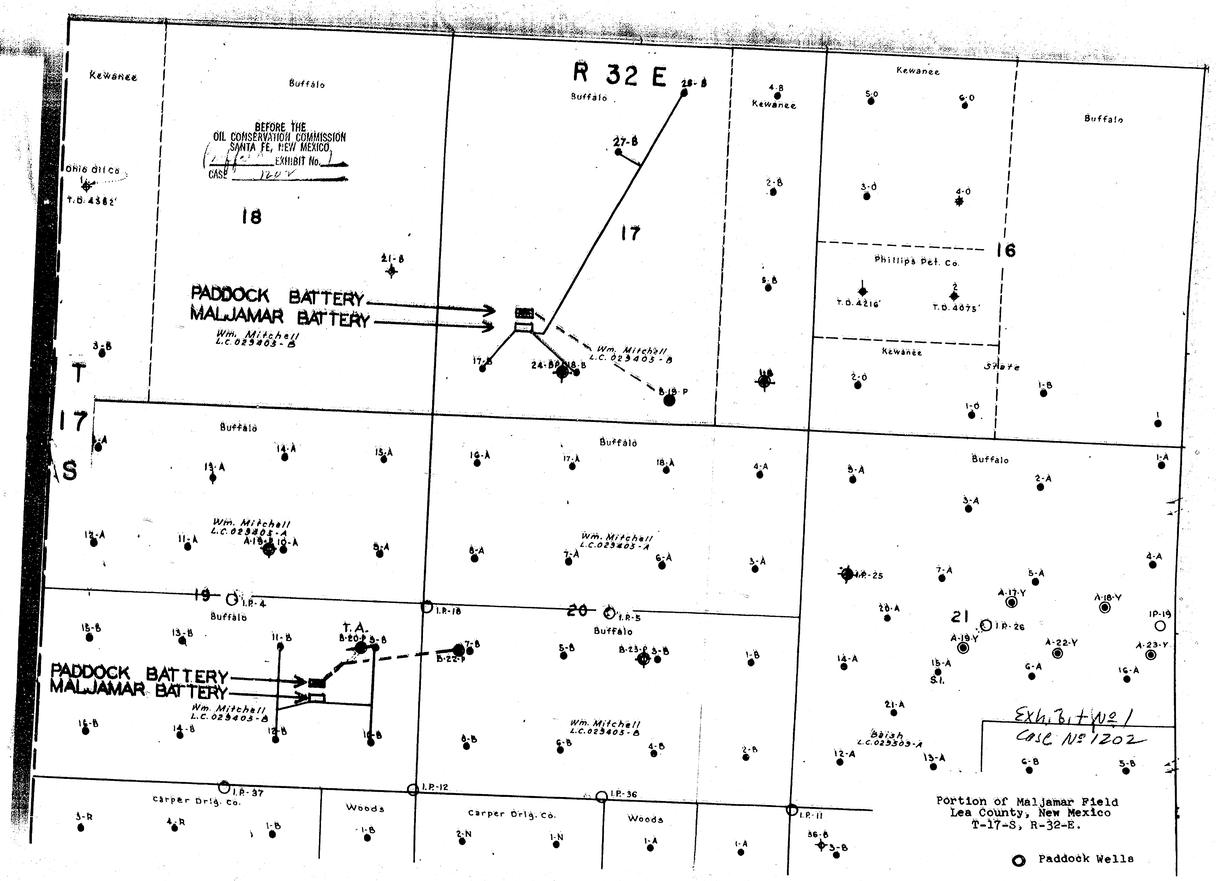
W.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

Case No.

1202

Large Exhibits



BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
EXHIBIT No. 1
CASE 1202

W.N.M.C.F. MICROGRAPHICS

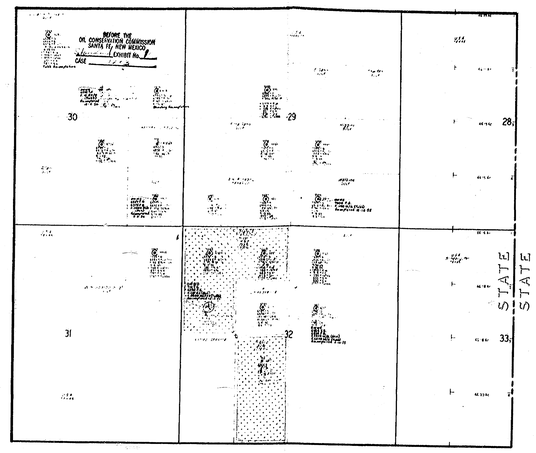
BEST AVAILABLE COPY

Case No.

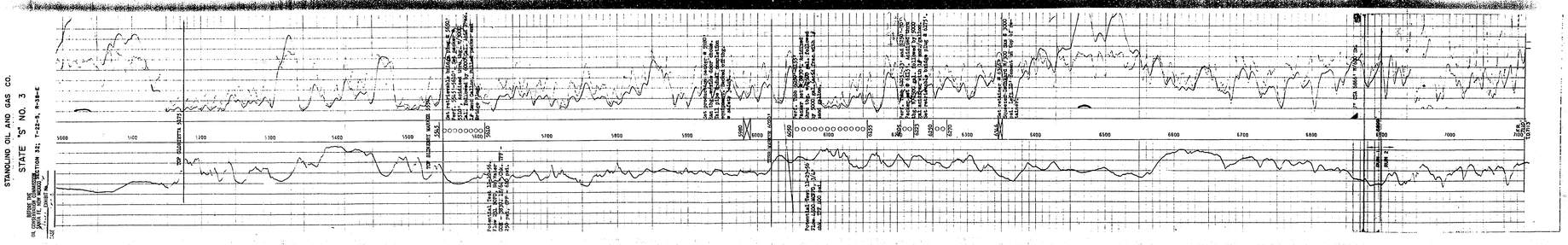
1203

Large Exhibits

1



STANOLIND OIL AND GAS COMPANY
T-22-S, R-38-E
PORTION OF TUBB & BLINEBRY FIELDS
LEA CO. NEW MEXICO
SCALE: 1"=1000'



W.N.M.C.F. MICROGRAPHICS

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CASE NO.

1204

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Large Exhibits

OCD

W.N.M.C.F. MICROGRAPHICS

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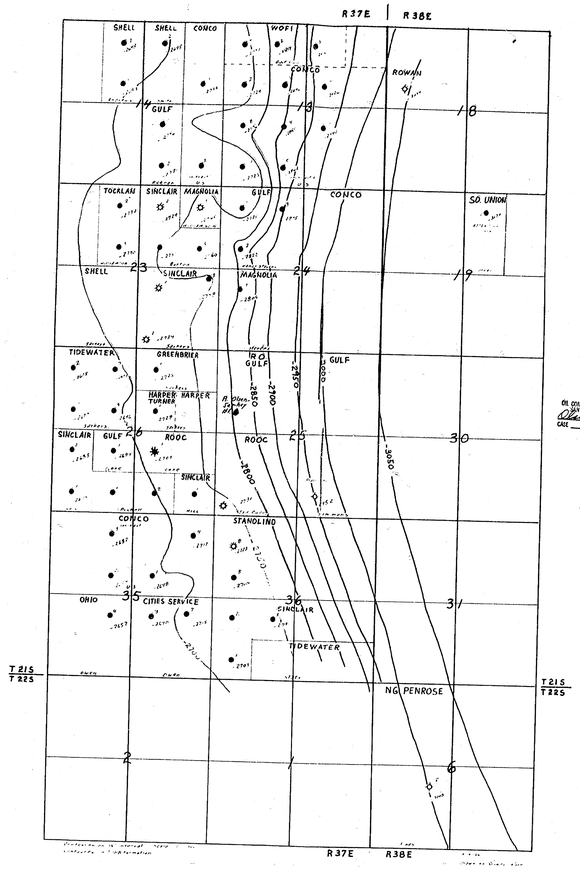
Case No.

1205

Large Exhibits

SE LEA COUNTY, NEW MEXICO



BEFORE THE
OIL CONS. COM. - N. M. EXAMINER
SANTA FE, NEW MEXICO
Oil Conservation Division Exhibit No. 3
CASE 1205

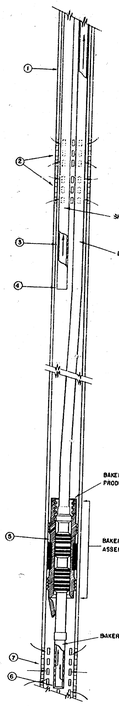
OPERATOR: OLSEN & RUDMAN
LEASE: SARKEYS WELL NO. 1
FIELD: TUBBS & BLINEBRY
LEA COUNTY, NEW MEXICO

DUAL COMPLETION DATA

ITEM	DESCRIPTION
1.	7" OD 23 LB. CASING SET AT 6404'.
2.	CASING PERFORATIONS: 5640-5750', 5780-5830'.
3.	TUBING PERFORATED FROM 5856-5859'.
4.	2" EUE 4.70 LB. TUBING SET AT 5859'.
5.	PACKER SET AT 5900' TO 5905'.
6.	LONG STRING TUBING: 2" REG. EUE 4.70 LB. SET AT 6285'.
7.	LOWER CASING PERFORATIONS: 6230' TO 6316'.

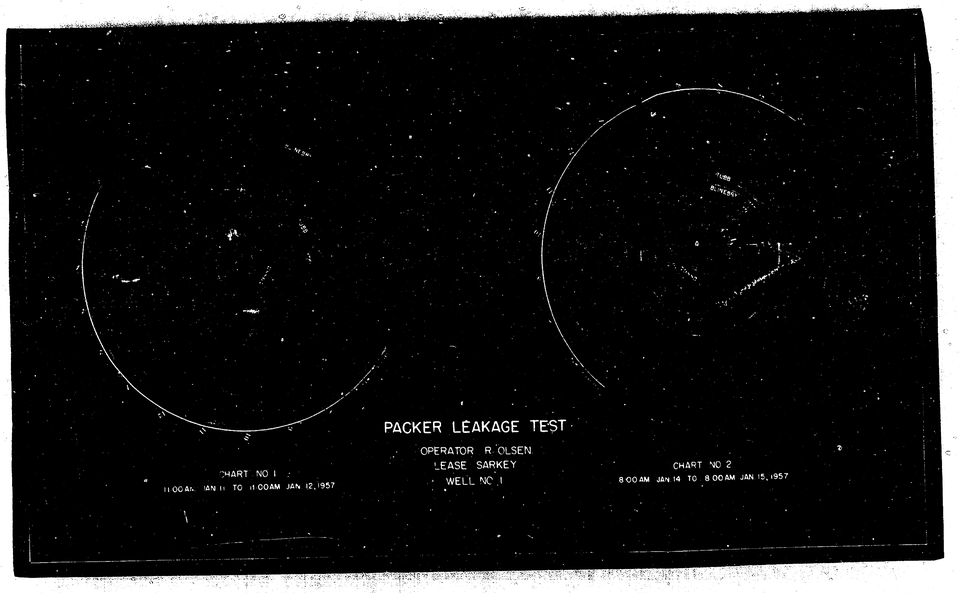
TOTAL DEPTH 7212'
PLUS BACK T. D. 6404

TYPE OF TUBING HEAD: 9 5/8" X 7" X 2" OCT DUAL SUSPENSION.



BAKER SINGLE - PACKER
FULL-OPENING PARALLEL-STRING
HOOKUP, SHORT STRING
HANGING FREE

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



W.V.H.C.F. MICROGRAPHICS
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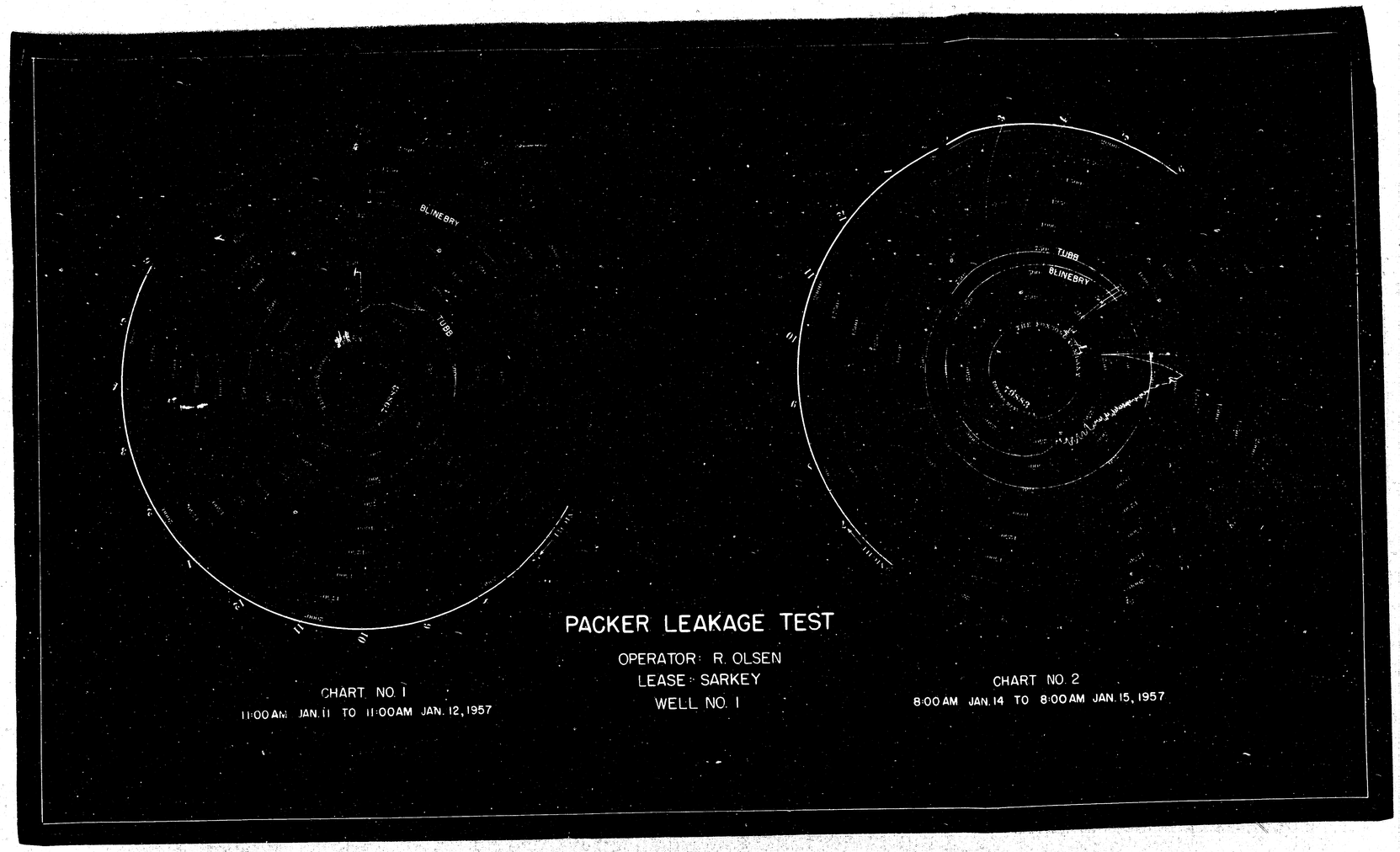


PACKER LEAKAGE TEST

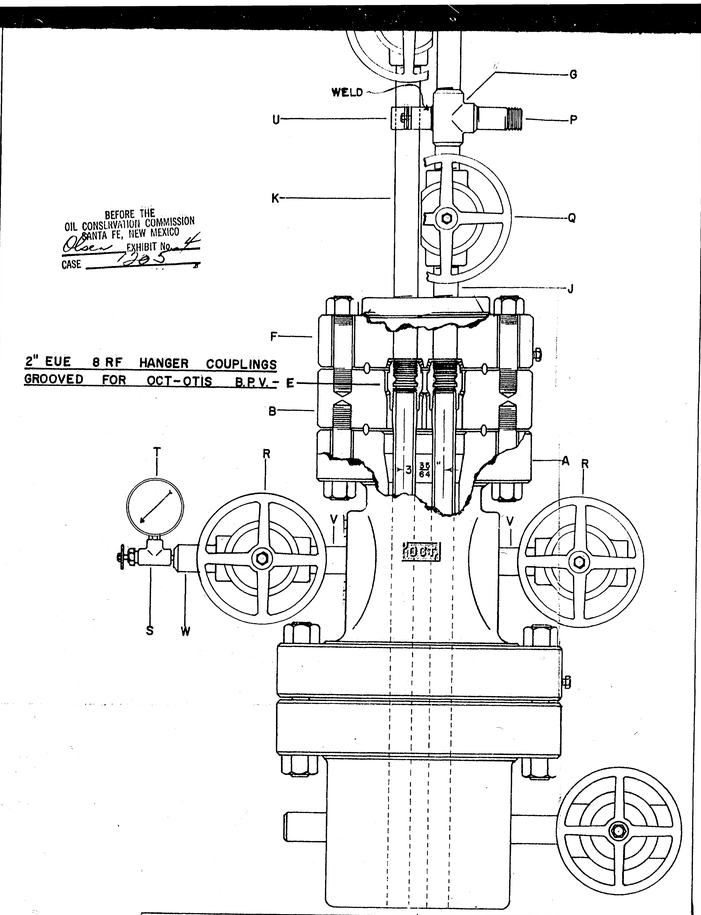
OPERATOR: R. OLSEN
LEASE: SARKEY
WELL NO. 1

CHART NO. 1
11:00 AM JAN. 11 TO 11:00AM JAN. 12, 1957

CHART NO. 2
8:00 AM JAN. 14 TO 8:00 AM JAN. 15, 1957

W.N.H.C.F. MICROGRAPHICS

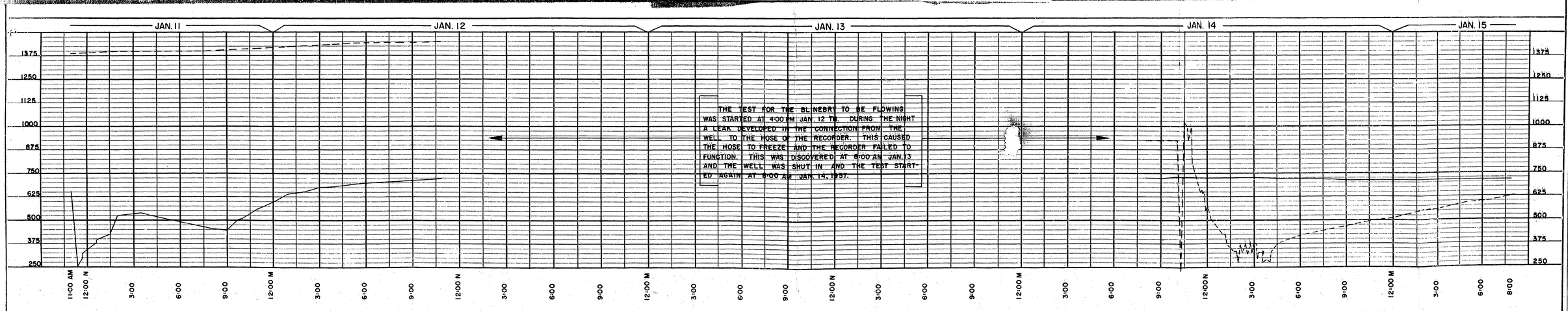
BEST AVAILABLE COPY



BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
EXHIBIT No. 4
CASE 1295

2" EUE 8 RF HANGER COUPLINGS
GROOVED FOR OCT-OTIS B.P.V.

DUAL TUBING SUSPENSION ASSEMBLY NO. X-1427-K			PROPERTY OF OIL CENTER TOOL CO., INC. HOUSTON, TEXAS
PART NO.	SERIAL	PATTERN NO.	DATE 11-2-56
MATERIAL SPEC.			DRG. BY P.W.
FOR R. OLSEN OIL CO.			CHK. BY H.F.
			DRG. NO. X 1427-K



THE TEST FOR THE BLINEBRY TO BE FLOWING WAS STARTED AT 4:00 PM JAN. 12 TH. DURING THE NIGHT A LEAK DEVELOPED IN THE CONNECTION FROM THE WELL TO THE HOSE OF THE RECORDER. THIS CAUSED THE HOSE TO FREEZE AND THE RECORDER FAILED TO FUNCTION. THIS WAS DISCOVERED AT 8:00 AM JAN. 13 AND THE WELL WAS SHUT IN AND THE TEST STARTED AGAIN AT 6:00 AM JAN. 14, 1957.

LEGEND
TUBB ———
BLINEBRY - - - - - - - - -

SCALE
VERT. 1" = 250 LB. PRESSURE
HORZ. 1" = 3 HOURS

PACKER LEAKAGE TEST

OPERATOR: R. OLSEN WELL: SARKEY NO. 1

UPPER PAY - BLINEBRY LOWER PAY - TUBB

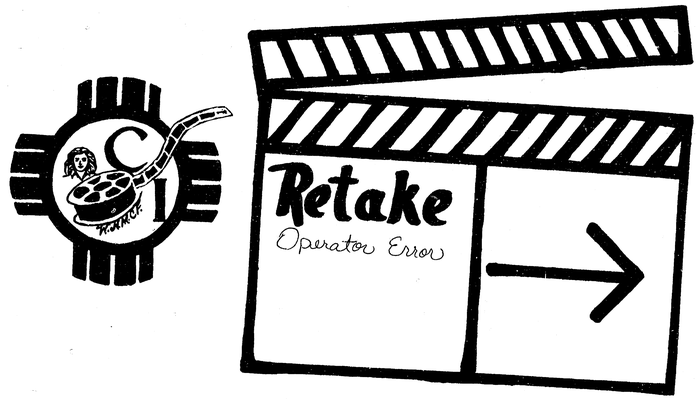
JAN. 11 TO JAN. 15, 1957

WEST ENGINEERING COMPANY

PLAT
NOTE BOOK NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
BY
DATE

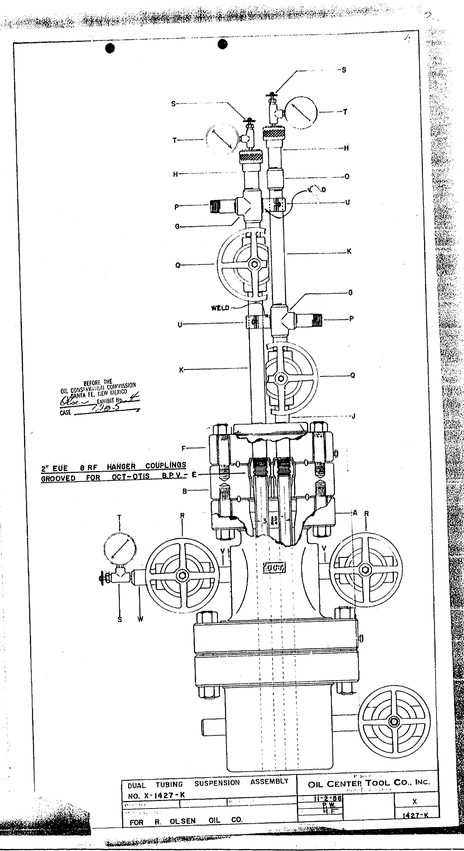
THE PRECEDING DOCUMENTS WERE REFILMED DUE TO:

A MALFUNCTION IN FILMING



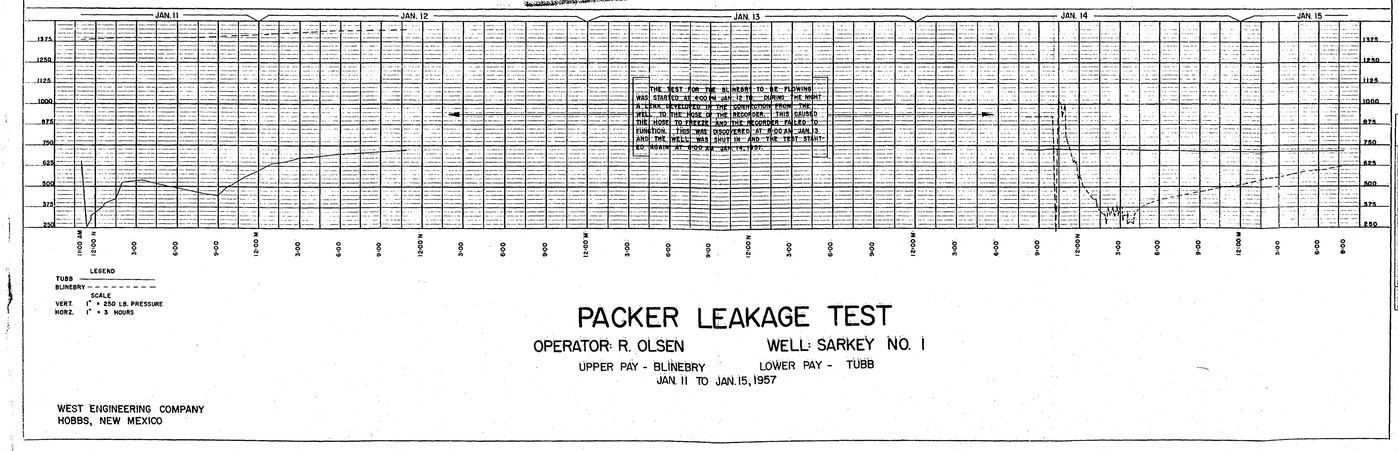
W.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY



DUAL TUBING SUSPENSION ASSEMBLY	OIL CENTER TOOL CO., INC.	
NO. X-1427-K	11-2-56 P.W. 11 F	X 1427-K
FOR R. OLSEN OIL CO.		

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



LEGEND
TUBB
BLINEBRY - - - - - - - -

SCALE
VERT. 1" = 250 LB. PRESSURE
HORZ. 1" = 3 HOURS

PACKER LEAKAGE TEST

OPERATOR: R. OLSEN WELL: SARKEY NO. 1

UPPER PAY - BLINEBRY LOWER PAY - TUBB

JAN. 11 TO JAN. 15, 1957

WEST ENGINEERING COMPANY
HOBBS, NEW MEXICO

CASE NO.

1206 to 1208

Missing

Large Exhibits

OCD

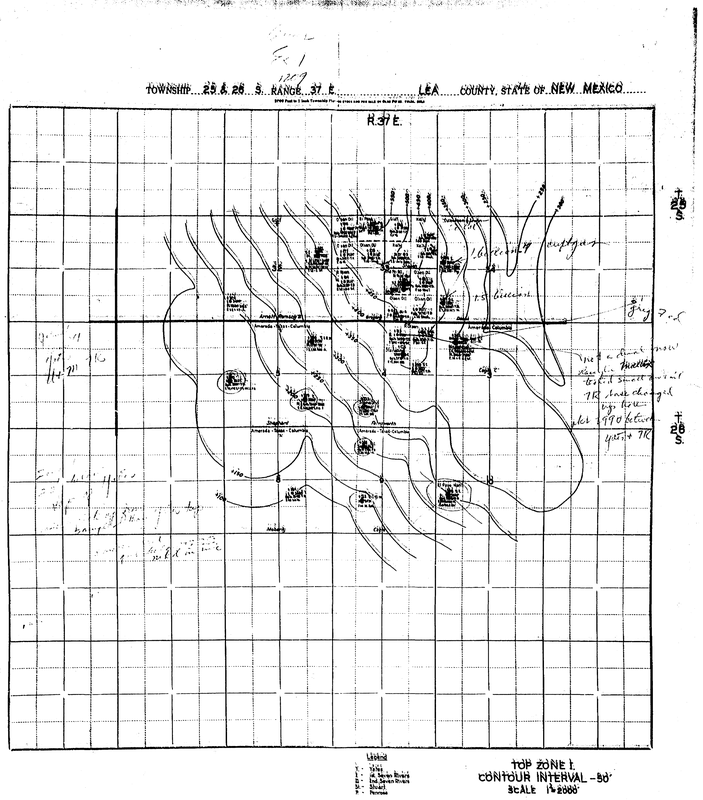
W.N.M.C.P. MICROGRAPHICS

BEST AVAILABLE COPY

Case No.

1209

Large Exhibits



U.S.S.R. STOCKHOLMER

BEST AVAILABLE COPY

R. OLSEN
NO. 1 FARNSWORTH

660 FNL-1980 FEL
SEC. 4 T-26-S R-37-E
LEA CO. N. MEX.
ELEV. 2998

R. OLSEN
NO. 2 FARNSWORTH

660 FNL 660 FEL
SEC. 4 T-26-S R-37-E
LEA CO. N. MEX.
ELEV. 3000

AMERADA
NO. 1 EAGLE "C"

990 FNL 990 FWL
SEC. 3 T-26-S R-37-E
LEA CO. N. MEX.
ELEV. 3004

R. OLSEN
NO. 1 GREGORY-FEDERAL

990 FS L. 660 F E L.
SEC. 35 T-25-S R-37-E
LEA CO. N. MEX.
ELEV. 3025

T. YATES

T. QUEEN

TD 3310
PI 3145-3210

TD 3220
PI 3180-3220

TD 3526
PI 2680-2940, 3165-3195

TD 3284
PI 3105-3284

R - 37 - E

33	34	35	T 25 S
4	3	2	T 26 S

WEST-EAST CROSS SECTION
SHOWING CORRELATION OF UPPER WHITEHORSE THROUGH SECTIONS 4 AND 3, T-26-S, R-37-E TO SECTION 35, T-25-S, R-37-E, LEA CO.

REFERENCE DATUM: TOP YATES

FEBRUARY 1957

J.A. VEEDER

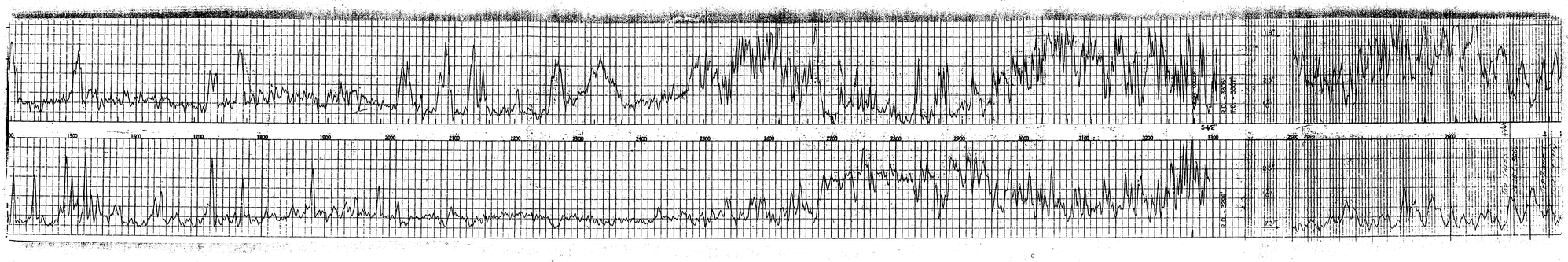
P.E. NELSON

VERTICAL SCALE
1" = 100'
500
200
100

HORIZONTAL SCALE
1" = 300'
300
600
900
1200
1500

U.S.G.S. MICROGRAPHICS
BEST AVAILABLE COPY

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



W.N.M.C.F. PICROGRAPHICS

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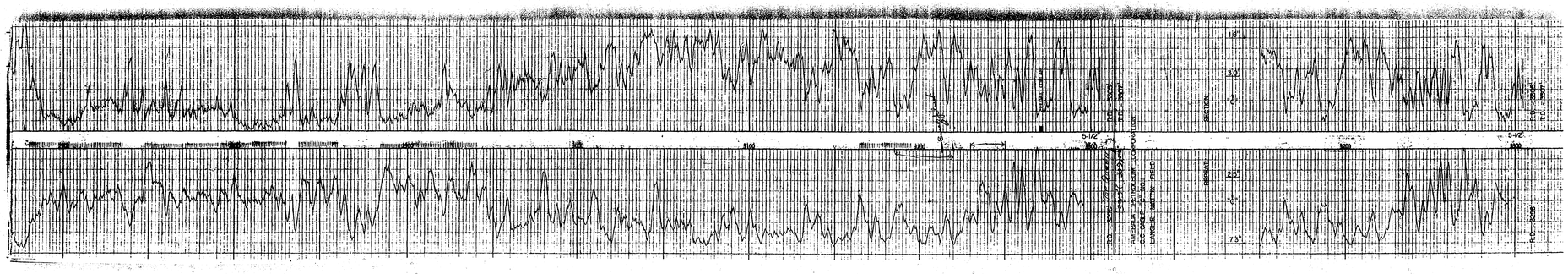

U.S.N.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

CASE No.

1210+1211

Missing

Large Exhibits

OCD

N.M.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

Case No.

1212

Large Exhibits

W.N.M.C.F. MICROGRAPHICS

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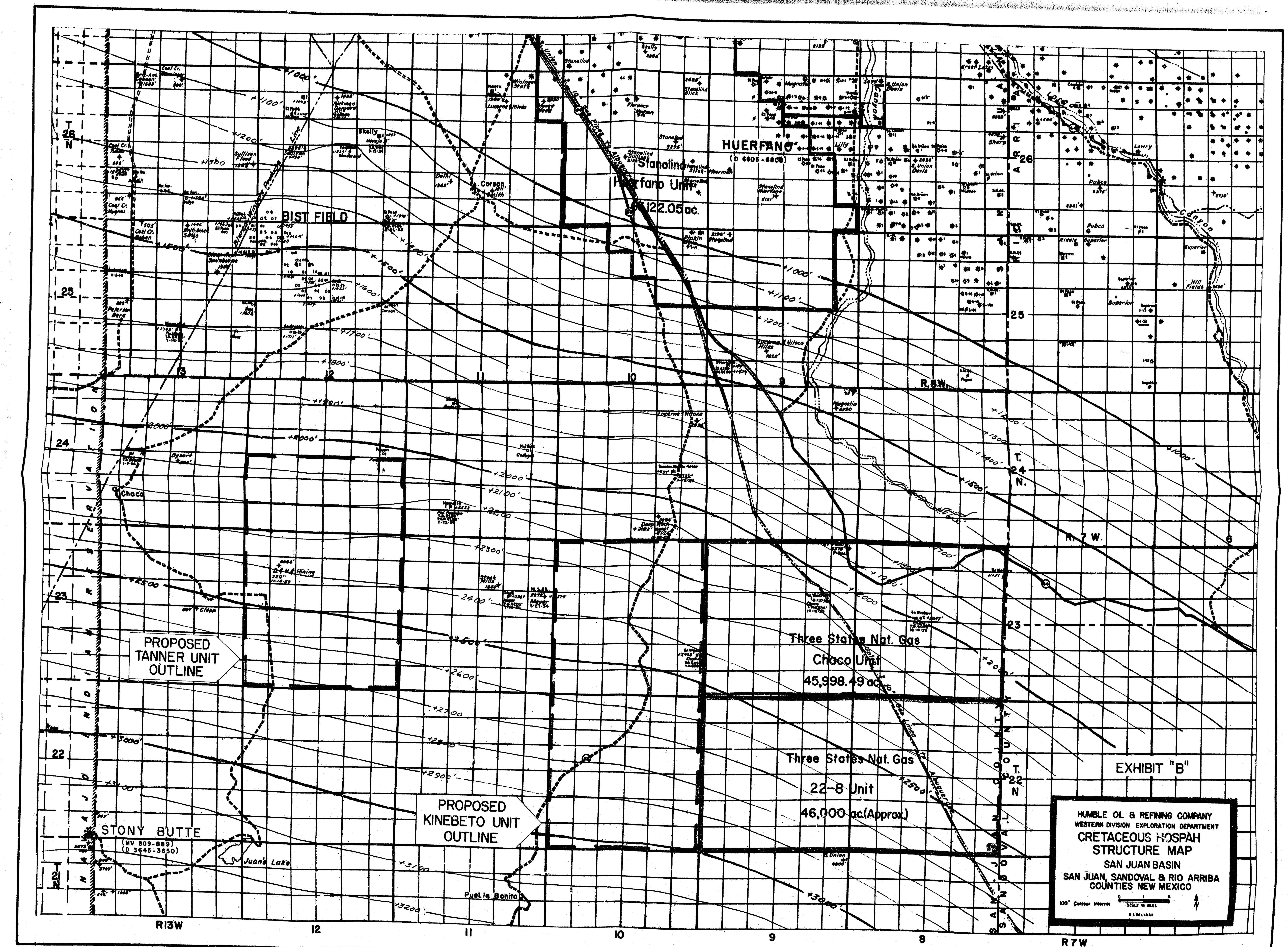

W.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

Case No.

12173

Large Exhibits

W.N.M.C.F. MICROGRAPHICS

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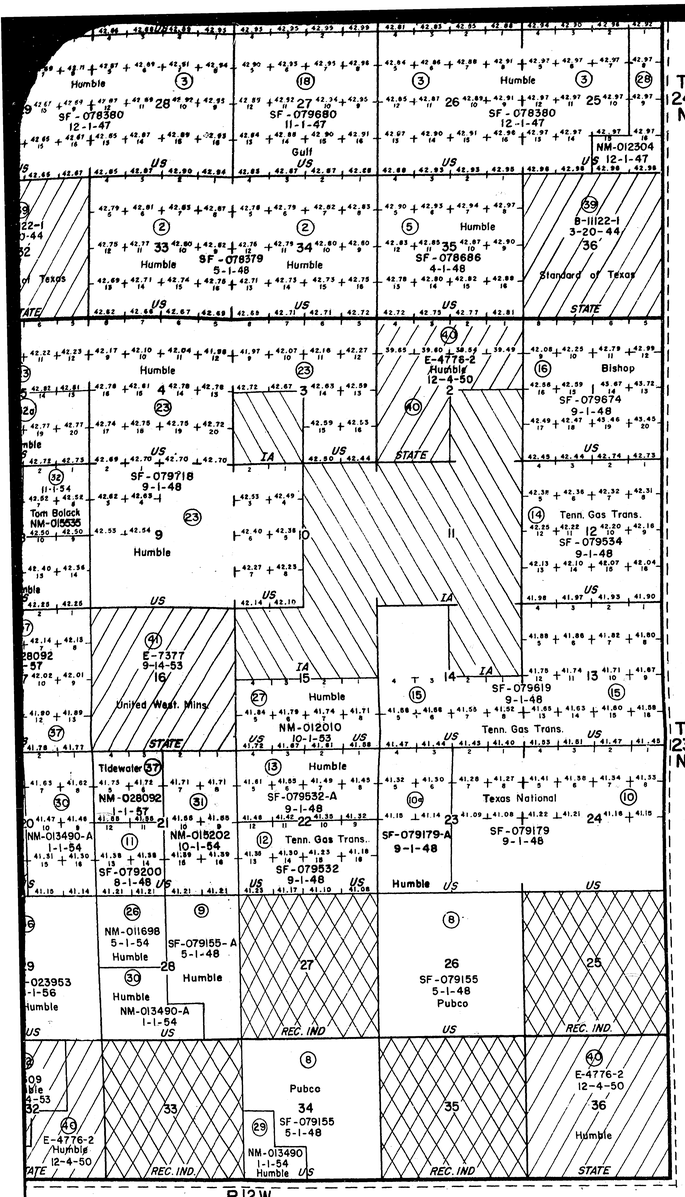

TANNER UNIT AREA
San Juan County, New Mexico

EXHIBIT "A"

LEGEND

Unit Outline	Tract Number
Federal Land 26,960.84 Acres	
State of New Mexico Land 3,678.28 Acres	
Reconveyed Indian Land 3,195.28 Acres	
Allotted Indian Land 1,916.76 Acres	
Total 35,751.16 Acres	

W.N.M.C.F. MICROGRAPHICS

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HUERFANO
(D 6805-6808)

Stanolind
Huerfano Unit
6 122.05 ac.

Three States Nat. Gas
Chaco Unit
45,998.49 acres

Three States Nat. Gas
22-8 Unit
46,000 ac.(Approx.)

PROPOSED
KINEBETO UNIT
OUTLINE

PROPOSED
TANNER UNIT
OUTLINE

BISTI FIELD

STONY BUTTE
(MV 809-869)
(D 3645-3650)

Juan's Lake

Chaco

Pueblo Bonito

Coal Cr.

Gallup

Dakota

Mancos

Lucerne Mesaverde

Pictured Cliffs

Fruitland

Kirtland

Ojo Alamo

Nacimiento

Animas River

San Juan River

R.6W.

R.7 W.

T. 24 N.

T. 22 N.

T. 27 N.

T. 26 N.

T. 25 N.

T. 23 N.

T. 22 N.

T. 21 N.

R13W

R7W

EXHIBIT "B"

HUMBLE OIL & REFINING COMPANY
WESTERN DIVISION EXPLORATION DEPARTMENT
CRETACEOUS HOSPAH
STRUCTURE MAP
SAN JUAN BASIN
SAN JUAN, SANDOVAL & RIO ARRIBA
COUNTIES NEW MEXICO

100' Contour Interval

SCALE IN MILES

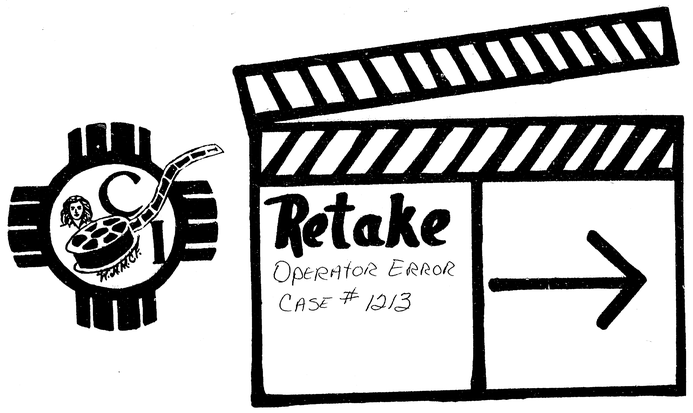
B A BELKNAP

W.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

THE PRECEDING DOCUMENTS WERE REFILMED DUE TO:

A MALFUNCTION IN FILMING



W.N.H.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

Case No.

12173

Large Exhibits

W.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

LEGEND

Unit Outline Tract Number

Federal Land 26,960.84 Acres

State of New Mexico Land 3,678.28 Acres

Reconveyed Indian Land 3,195.28 Acres

Allotted Indian Land 1,916.76 Acres

Total 35,751.16 Acres

TANNER UNIT AREA

San Juan County, New Mexico

EXHIBIT "A"

LEGEND

Unit Outline Tract Number

Federal Land 26,960.84 Acres

State of New Mexico Land 3,678.28 Acres

Reconveyed Indian Land 3,195.28 Acres

Allotted Indian Land 1,916.76 Acres

Total 35,751.16 Acres

TANNER UNIT AREA

San Juan County, New Mexico

EXHIBIT "A"

LEGEND

Unit Outline Tract Number

Federal Land 27,596.12 Acres

State of New Mexico Land 3,678.28 Acres

Reconveyed Indian Land 2560 Acres

Allotted Indian Land 1,916.76 Acres

Total 35,751.16 Acres

TANNER UNIT AREA

San Juan County, New Mexico

EXHIBIT "A"

W.N.M.C.F. MICROGRAPHICS

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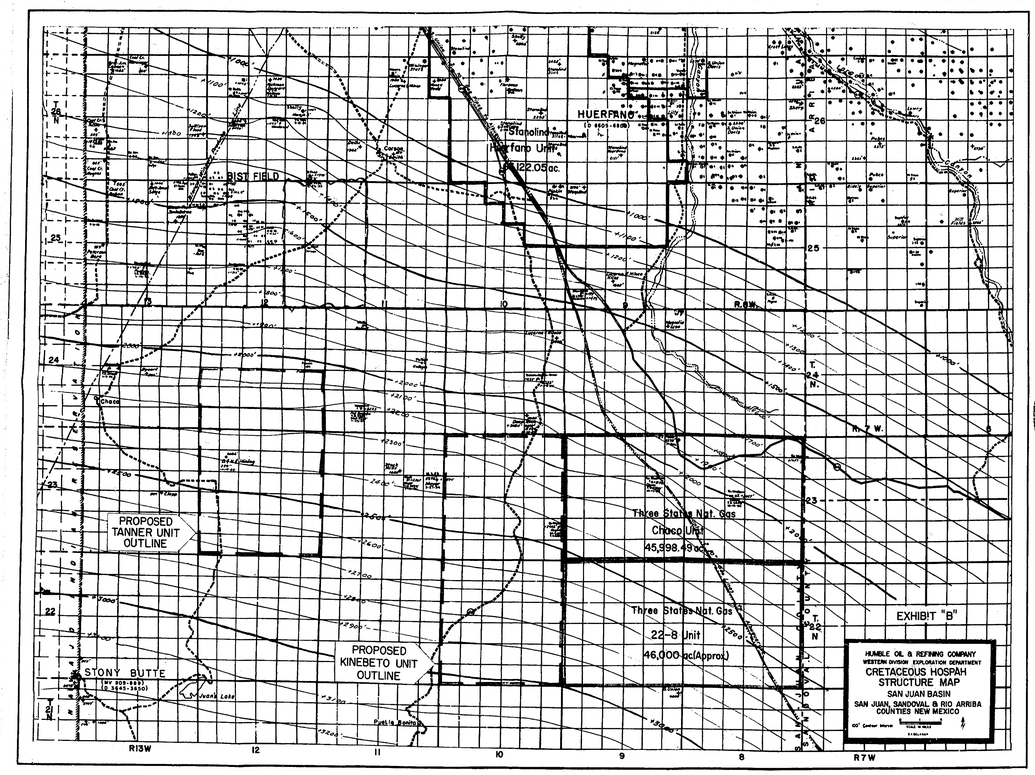
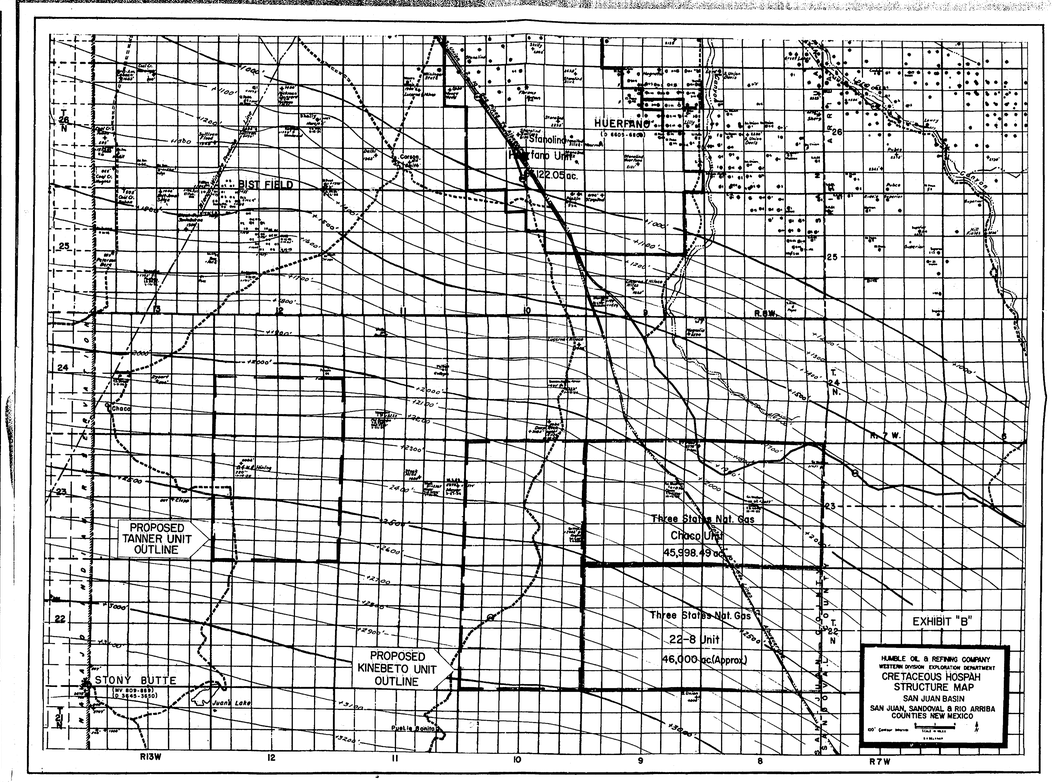




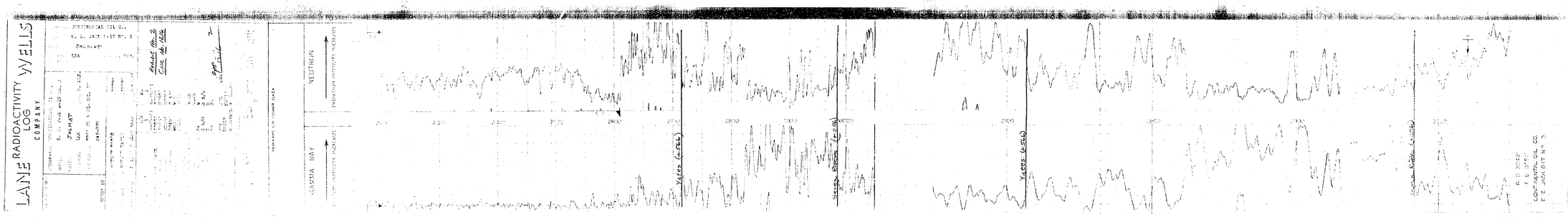
W.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

Case No.

1216

Large Exhibits



W.N.M.C.F. MICROGRAPHICS

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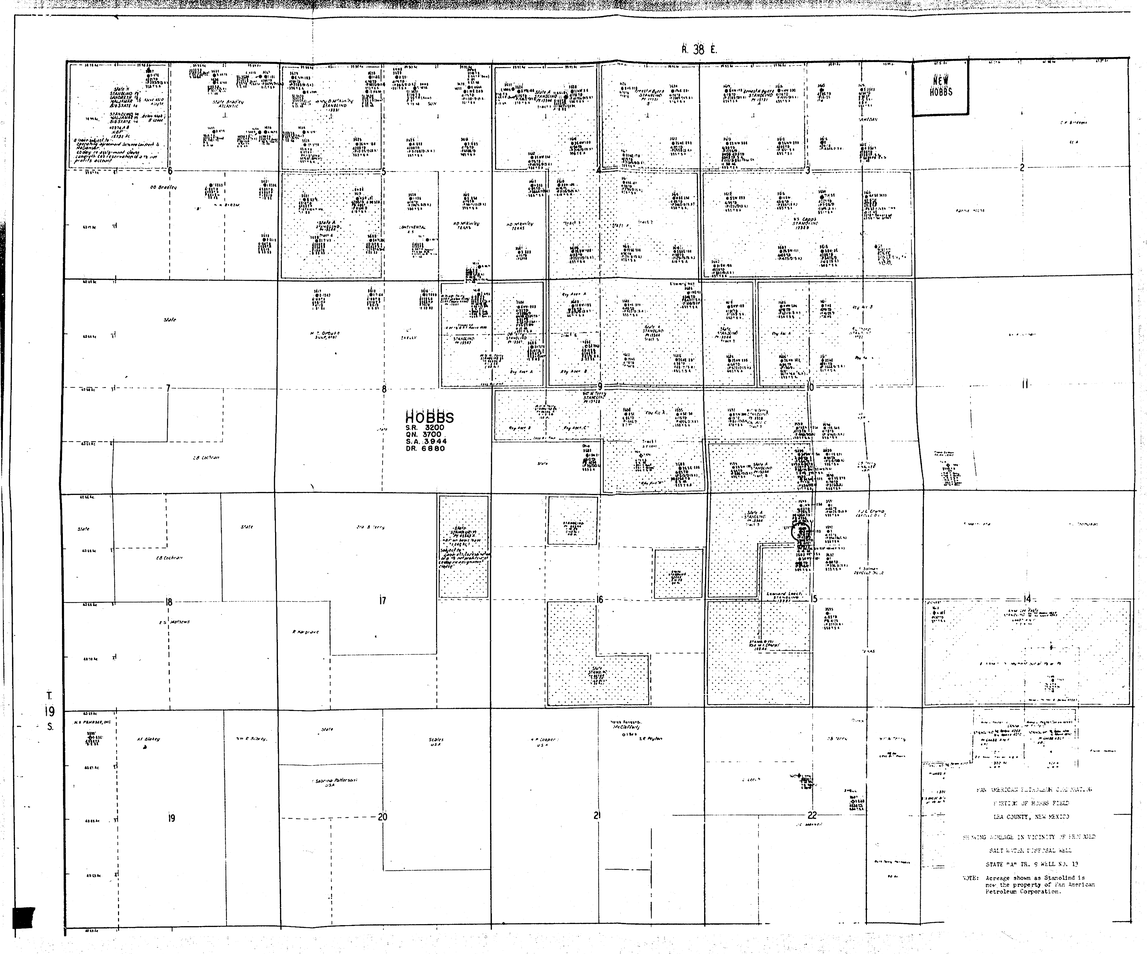
Case No.

1217

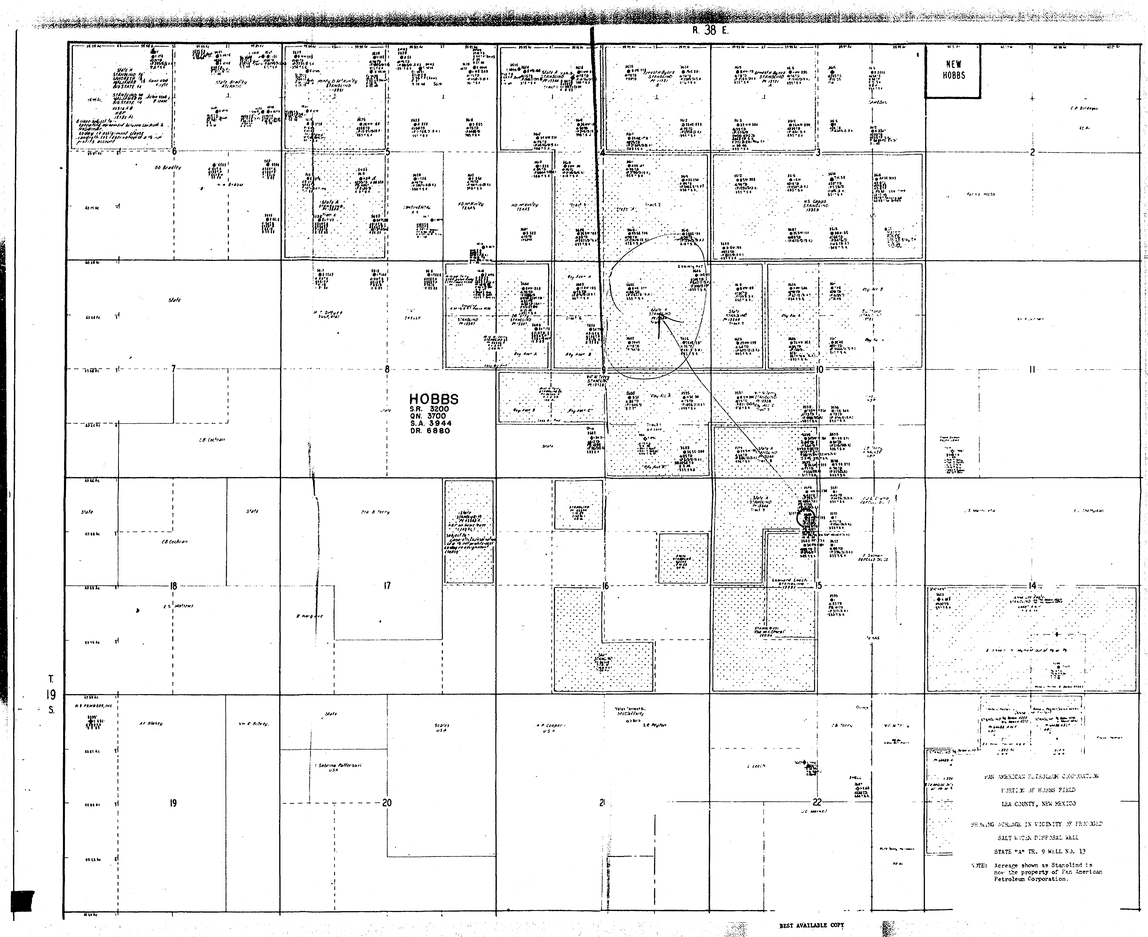
Large Exhibits



Case No.

1218

Large Exhibit

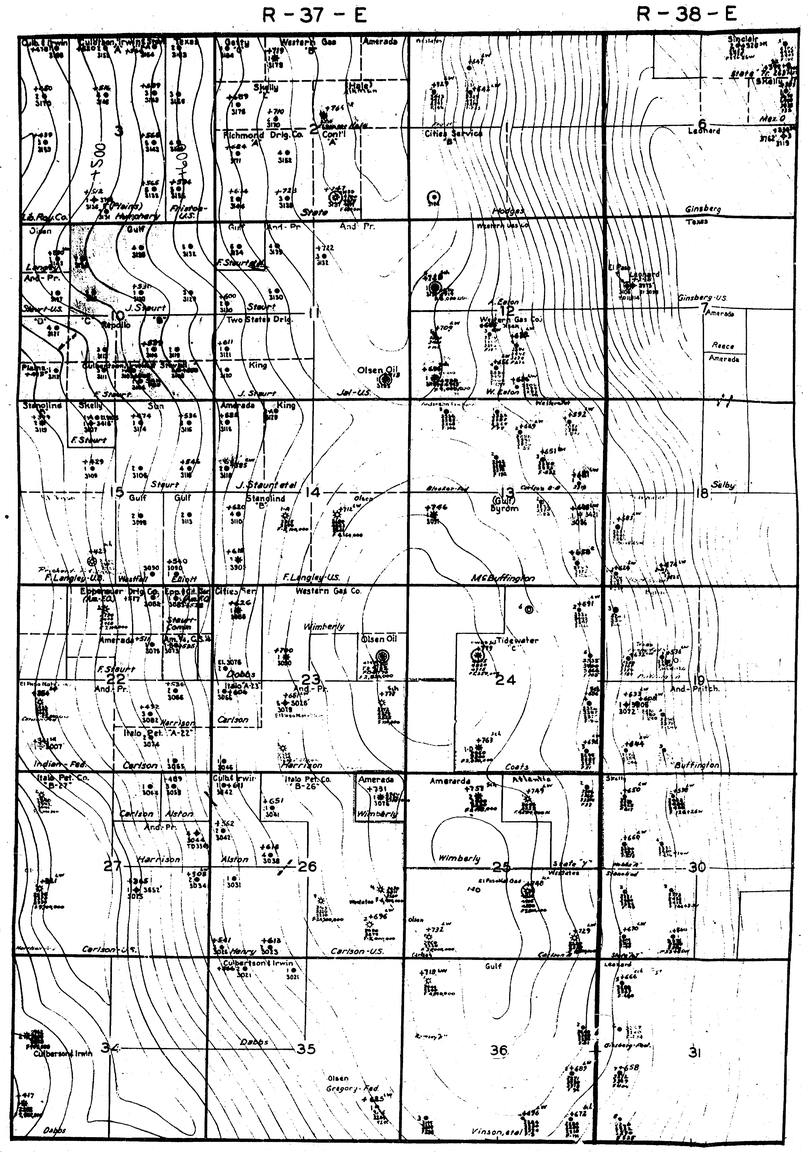


BEST AVAILABLE COPY

Case No.

1219

Large Exhibits



BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
Oxy Hart Exhibit No. 1
CASE 1219

W.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

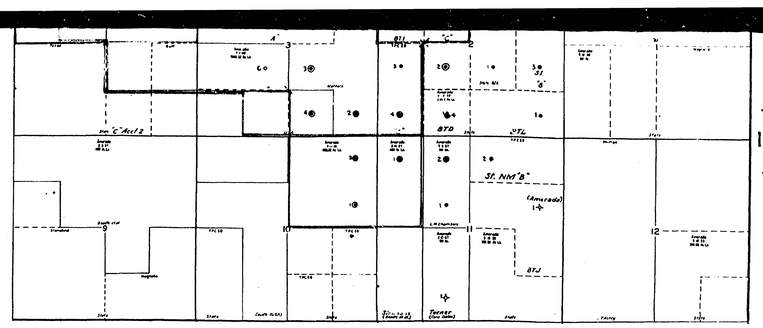
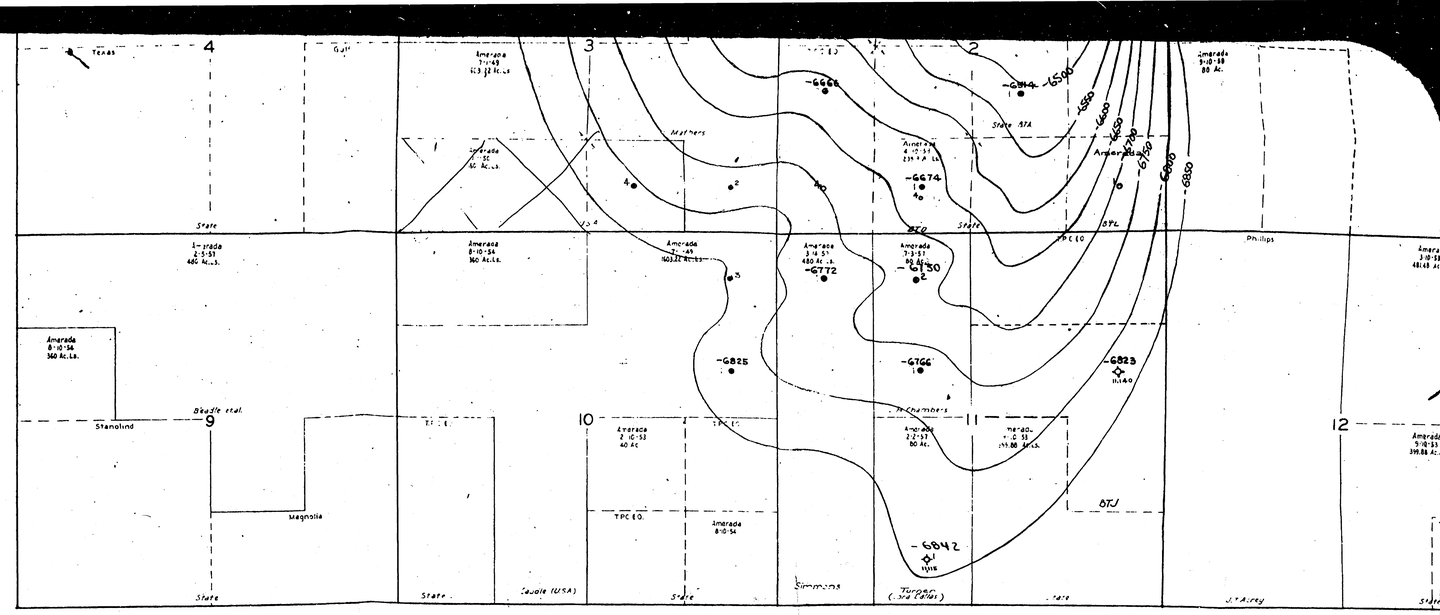


EXHIBIT A

— POOL DELINEATION OF 8600' PERMO-PENN ZONE
— POOL DELINEATION OF 9800' PENNSYLVANIAN

⊙ PENNSYLVANIAN WELLS
• DEVONIAN WELLS

BAGLEY FIELD
LEA COUNTY, NEW MEXICO
SCALE 1" = 2000 FEET



STRUCTURE MAP - TOP OF DEVONIAN P
CONTOUR INTERVAL - 50'
BAGLEY FIELD
LEA COUNTY, NEW MEXICO
SCALE 1"=1000'

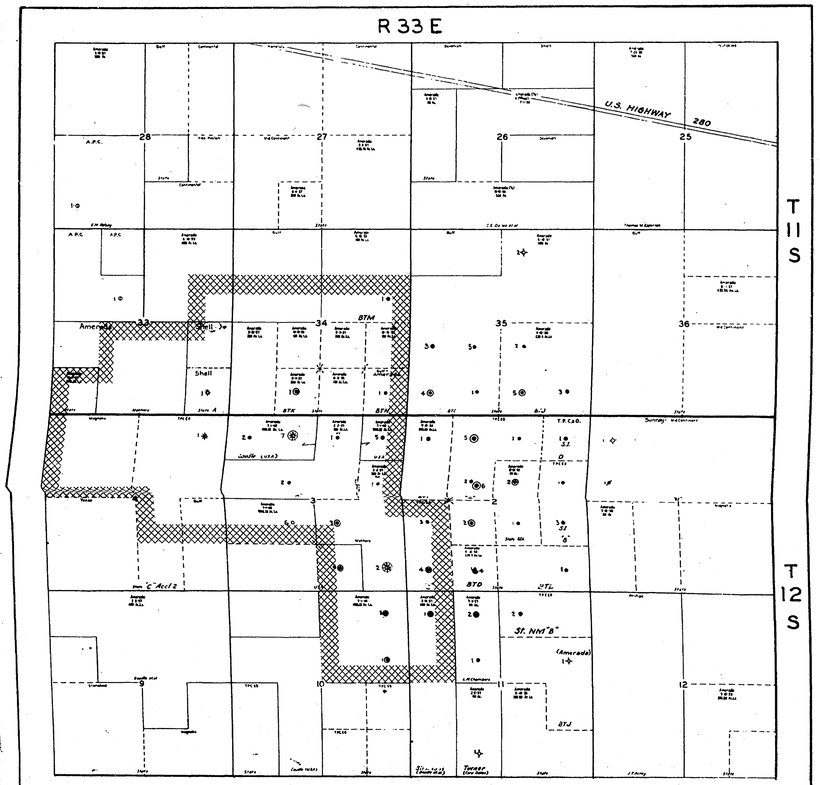
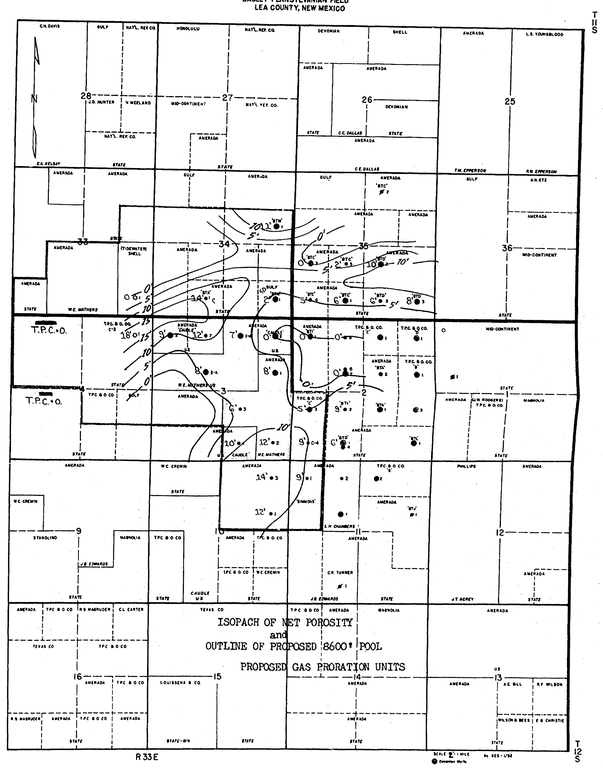


EXHIBIT 3
BEFORE THE OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
CASE 1220

— POOL DELINEATION OF 8600' PERMO-PENNSYLVANIAN GAS ZONE

BAGLEY FIELD
LEA COUNTY, NEW MEXICO
SCALE 1" = 2000 FEET

POOL OUTLINE
⊙ PENNSYLVANIAN WELLS
• DEVONIAN WELLS



TEXAS PACIFIC COAL AND OIL COMPANY
BAGLEY-PENNSYLVANIAN FIELD
LEA COUNTY, NEW MEXICO

ISOPACH OF NET POROSITY
and
OUTLINE OF PROPOSED 8600' POOL
PROPOSED GAS PRORATION UNITS

R 33 E

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

Case No.

1220

Large Exhibits

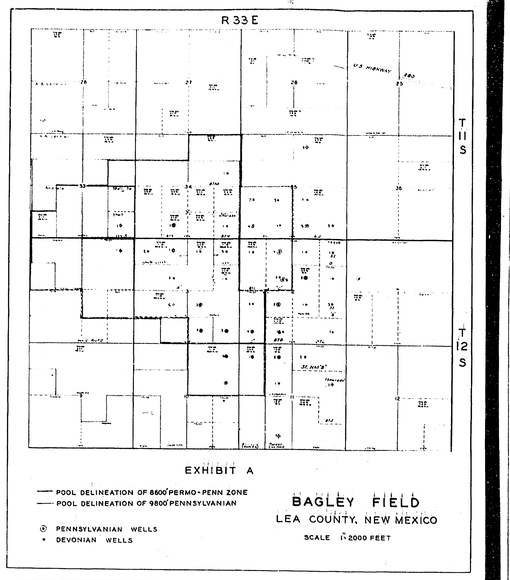
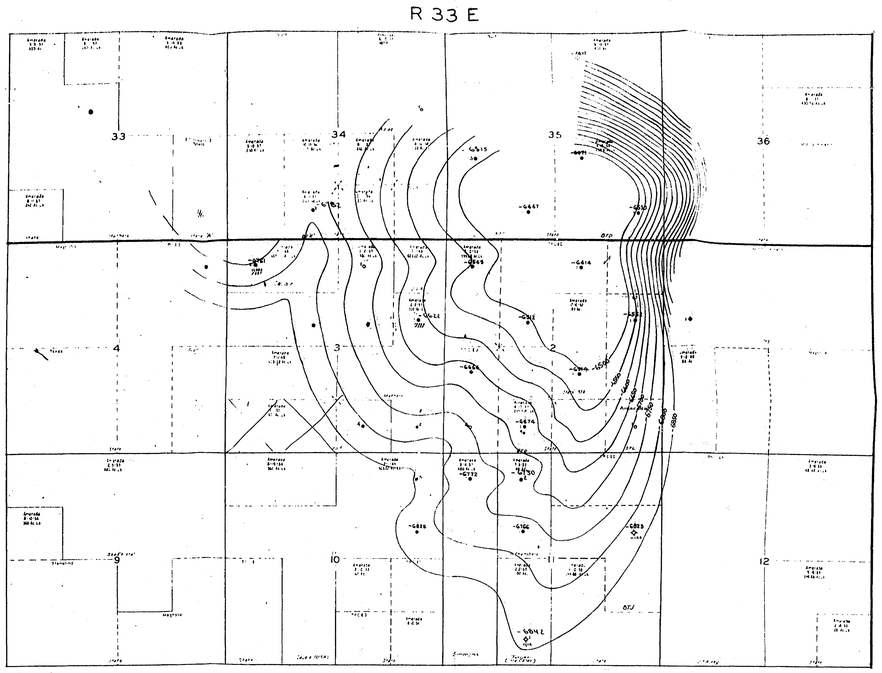


EXHIBIT A

— POOL DELINEATION OF 8600' PERMO-PENN ZONE
— POOL DELINEATION OF 9800' PENNSYLVANIAN

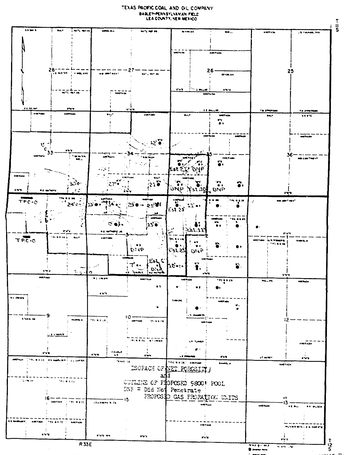
⊙ PENNSYLVANIAN WELLS
• DEVONIAN WELLS

BAGLEY FIELD
LEA COUNTY, NEW MEXICO
SCALE 1" = 2000 FEET



STRUCTURE MAP - TOP OF DEVONIAN PAY
CONTOUR INTERVAL - 50'
BAGLEY FIELD
LEA COUNTY, NEW MEXICO
SCALE 1"=1320'

Ex. # 8



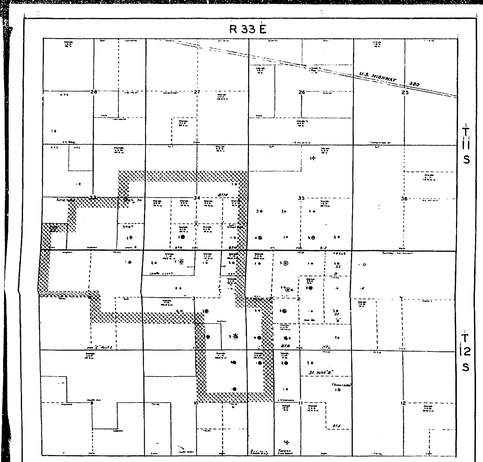
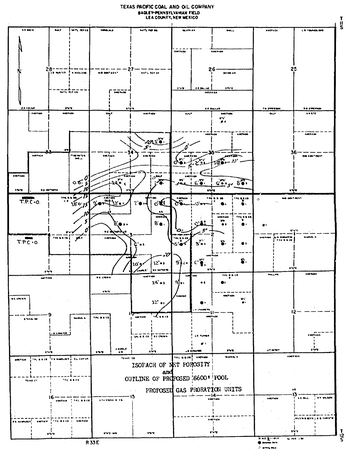


EXHIBIT 3

— POOL DELINEATION OF 8500' PERMO-PENNSYLVANIAN GAS ZONE

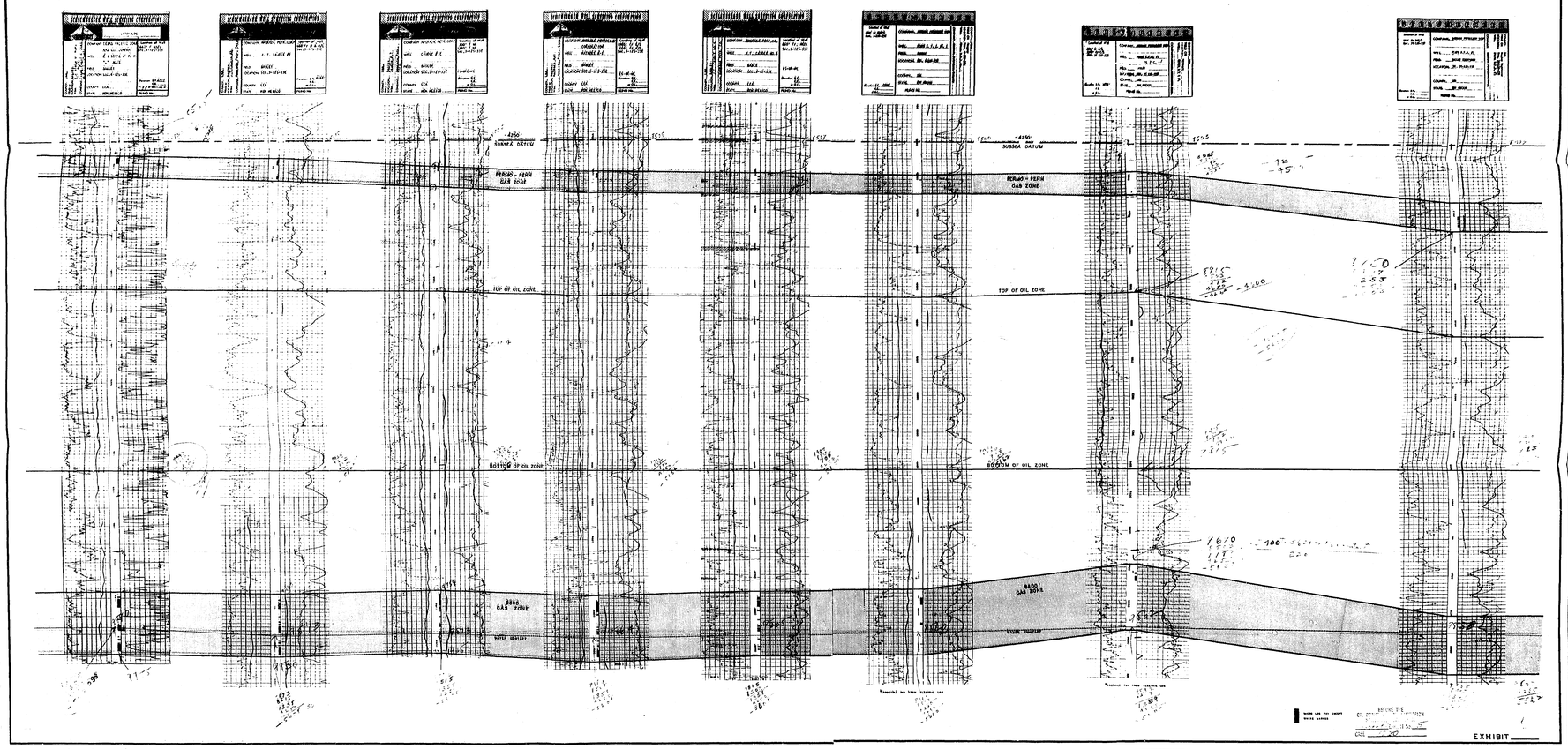
POOL OUTLINE
⊙ PENNSYLVANIAN WELLS
• DEVONIAN WELLS

BAGLEY FIELD
LEA COUNTY, NEW MEXICO
SCALE 1" = 2000 FEET



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

EAST-WEST ELECTRIC LOG CROSS-SECTION BAGLEY FIELD

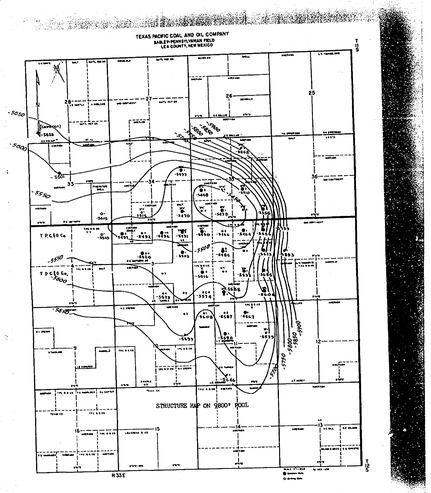


EXHIBIT

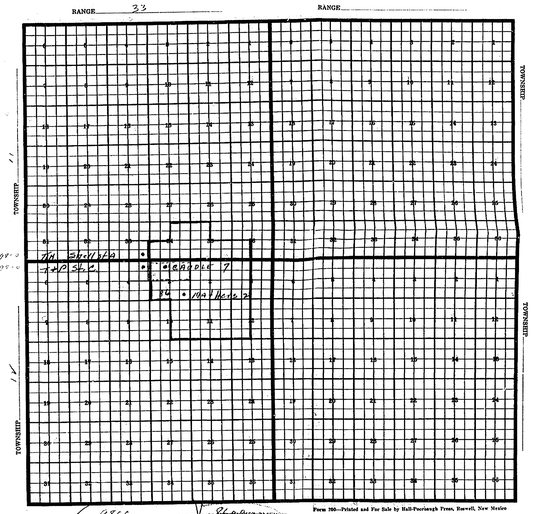
M.S.N.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

Lows Pennsylvanian
9800 ft. 1 zone S½ 33-11-36, NE/4 [illegible] Nat 3-12-33 ([illegible])
10,000 ft. 2 zone N½ and SW/4 3-12-33 (8598-8644)
Oil zone (8430-8446)



COUNTY [illegible] STATE [illegible]
RANGE 33 RANGE [illegible]



Form 350—Printed and For Sale by Hall-Poorbaugh Press, Roswell, New Mexico

98cc
[illegible]
NW 3-12-33

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

NORTH – SOUTH ELECTRIC LOG CROSS - SECTION BAGLEY FIELD

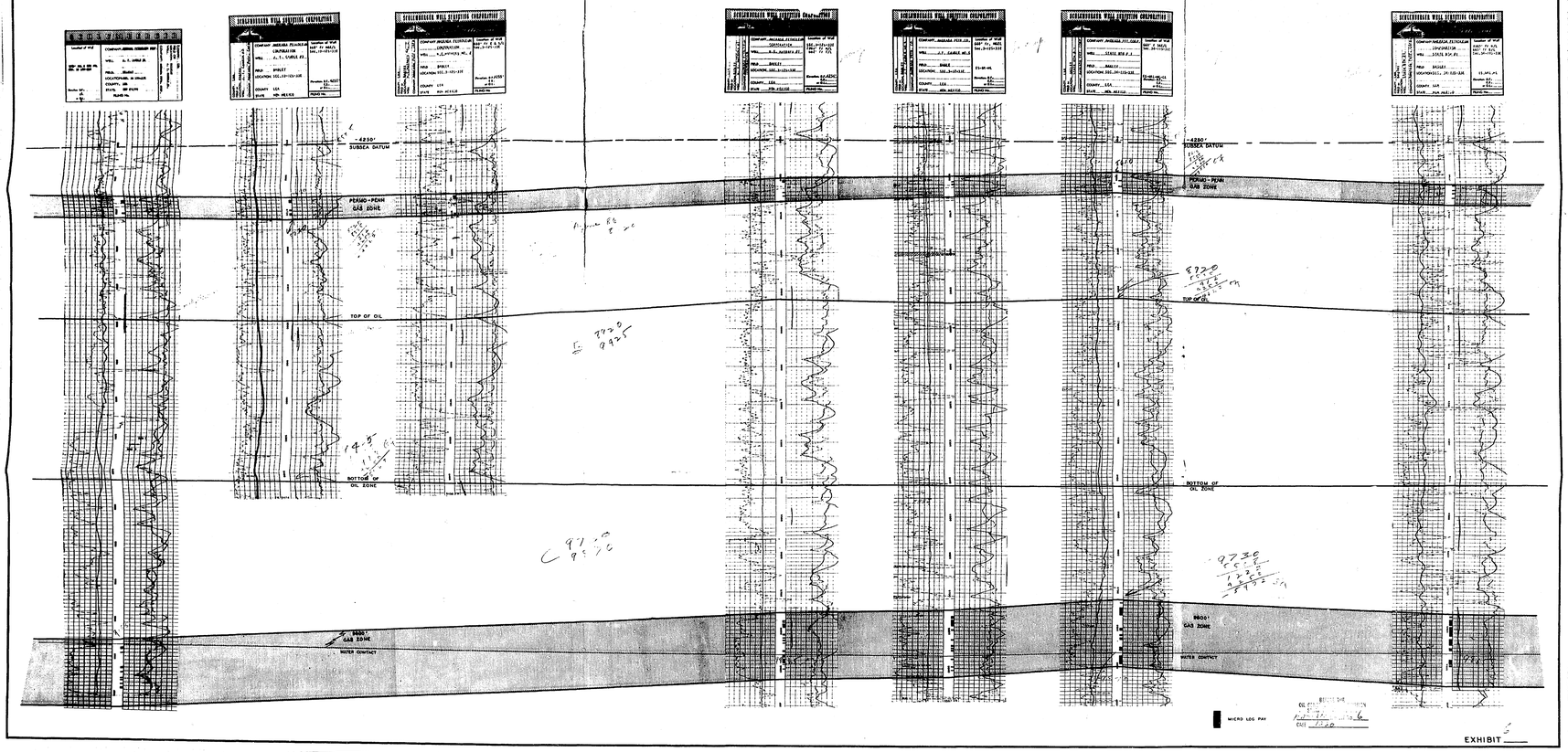


EXHIBIT ____

W.N.M.C.T. MICROGRAPHICS

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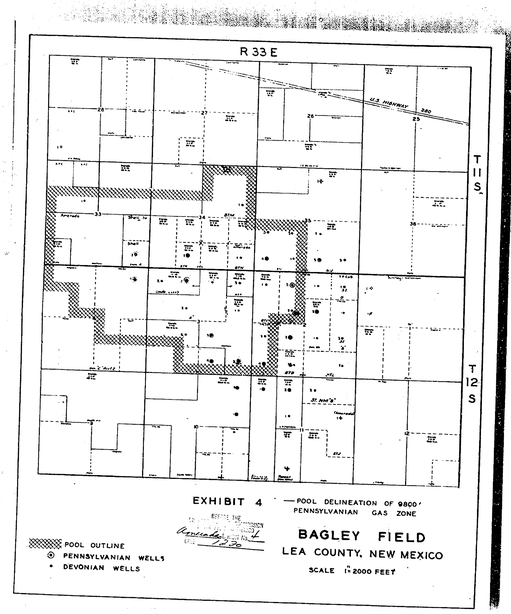
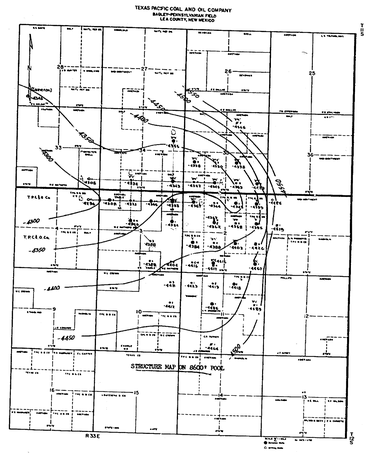
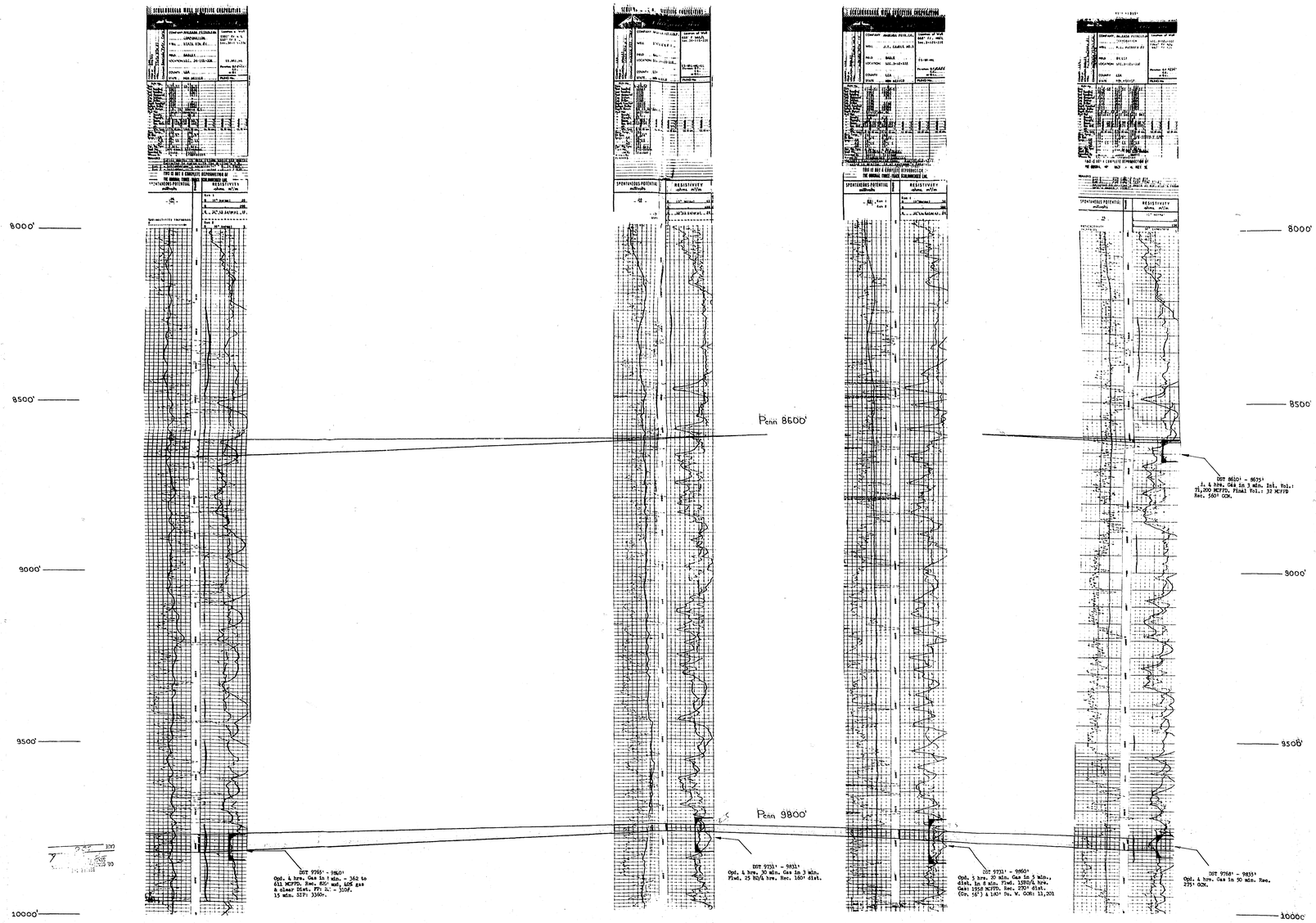




W.N.M.C.F. PHOTOGRAPHICS
BEST AVAILABLE COPY

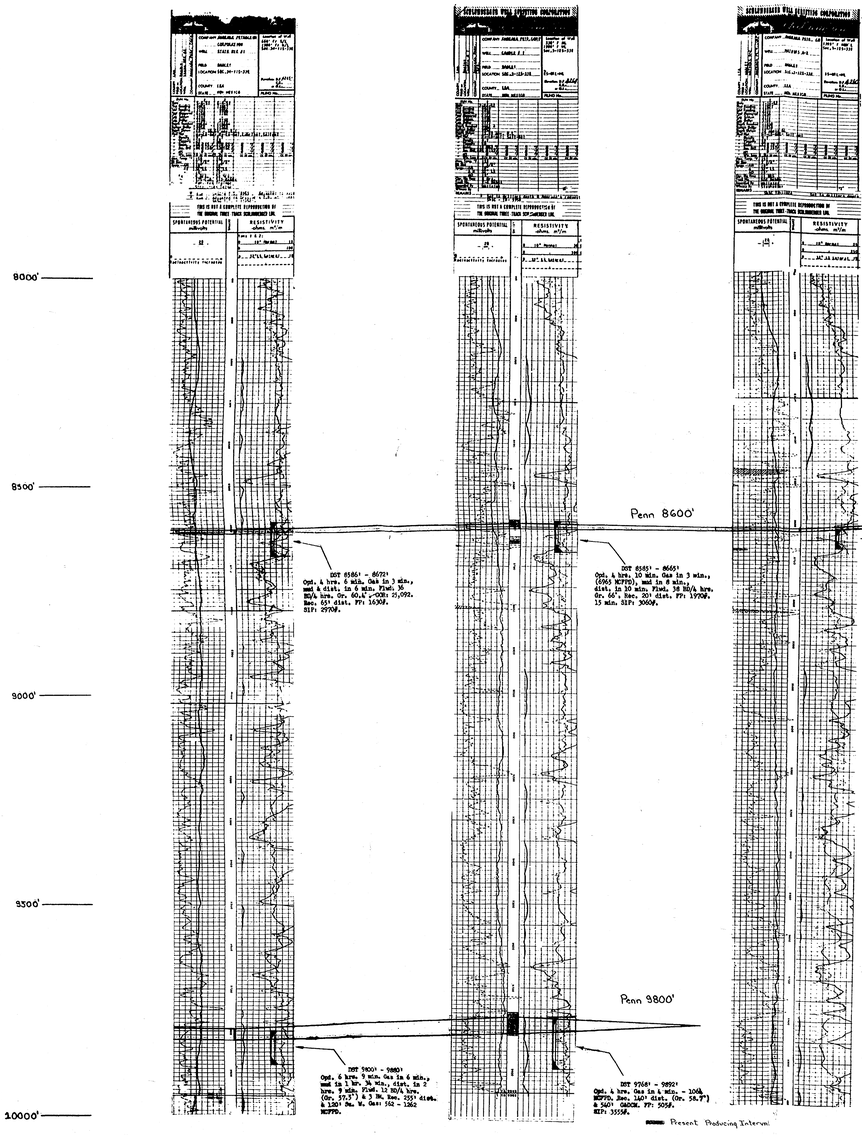
BAGLEY PENNSYLVANIAN
NORTH-SOUTH CROSS SECTION D-D'



U.S.G.S. MICROGRAPHICS

BEST AVAILABLE COPY

BAGLEY PENNSYLVANIAN
NORTH-SOUTH CROSS SECTION C-C'



W.V.G.S. MICROGRAPHICS

BEST AVAILABLE COPY

BAGLEY PENNSYLVANIAN
EAST - WEST CROSS SECTION BB'

8000'

8500'

9000'

9500'

10000'

Penn 8600'

Penn 9800'

DST 8550' - 8643'
Opd. 1 hr. 30 min. Gas in 4 min., dist. in 5 min. Gas: 78TM, MCFPD, 1" ckke., surf. PP 1300#. Flwd. 7.5 BO. Gr. 68°. FP: 1500 - 2375#. 30 min. SIP: 2825#.

DST 8565' - 8715'
Opd. 4 hrs. 8 min. Gas in 4 min., mod & dist. in 8 min. Flwd. 414 BO/4 hrs. Gr. 59.7°. Gas: 6850 MCFPD. GOR: 2754. Rec. 304' dist. & 60' Sw. W. FP: 1490 - 1575#. 15 min. SIP: 3050#.

DST 8565' - 8655'
Opd. 4 hrs. 10 min. Gas in 3 min., (6965 MCFPD), mod in 8 min., dist. in 10 min. Flwd. 38 BO/4 hrs. Gr. 66°. Rec. 201 dist. FP: 1570#. 15 min. SIP: 3000#.

DST 9795' - 9835'
Opd. 3 hrs. Gas in 30 min., TSTM. Rec. 110' SOCM. FP: OP. 15 min. SIP: 700#.

DST 9754' - 9830'
Opd. 5 hrs. 50 min. Gas in 6 min., mod & dist. in 1 hr. 50 min. Flwd. 8.3 BO/4 hrs. Gr. 51.7°. Gas vol: 1630 MCFPD. Closed tool & blad off 1.7 BO, no SO or W. Rec. 1201' oil, HW. GOR: 11795. FP: 380 - 1654. 15 min. SIP: 3580#.

DST 9758' - 9892'
Opd. 4 hrs. Gas in 4 min. - 10ck, MCFPD. Rec. 140' dist. (Gr. 58.7°) & 540' GASCM. FP: 505#. SIP: 3555#.

DST 9733' - 9853'
Opd. 5 hrs. 7 min. Gas in 4 min., mod in 12 min., dist. in 55 min. Flwd. 40 BO/4 hrs. Gr. 50.6°. FP: 770 - 860#. 15 min. SIP: 3070#.

DST 9731' - 9860'
Opd. 5 hrs. 20 min. Gas in 5 min., dist. in 8 min. Flwd. 1338 B/4 hrs. Gas: 1558 MCFPD. Rec. 2757' dist. (Gr. 56°) & 180' Sw. W. GOR: 11,201

Present Producing Interval

T12S R33E

W.R.H.C.V. MICROGRAPHICS

BEST AVAILABLE COPY

BAGLEY PENNSYLVANIAN
WEST-EAST CROSS SECTION A-A'

8000'
8500'
9000'
9500'
10000'

Penn 8600'

DST 8561' - 8672'
Opd. 4 hrs. 6 min. Gas in 3 min., mod & dist. in 6 min. Flwd. 30 BO/4 hrs. Gr. 60.4° - COR: 25,092. Rec. 65' dist. 99% 10%W, 1% 29%W.

Penn 9800'

DST 9733' - 9810'
Opd. 3 hr. 10 min. Gas in 3 min., fluid in 10 min. Gas: 7190 MCFPD. Rec. 180' cond. Gr. 55.6°) & 270' MC cond.

DST 9800' - 9880'
Opd. 6 hrs. 9 min. Gas in 6 min., mod in 1 hr. 34 min., dist. in 2 hrs. 9 min. Flwd. 12 BO/4 hrs. (Gr. 57.5°) & 3 BW. Rec. 255' dist. & 320' So. W. Gas: 562 - 1262 MCFPD.

DST 9731' - 9831'
Opd. 4 hrs. 20 min. Gas in 3 min. Flwd. 25 BO/4 hrs. Rec. 150' dist.

Present Producing Interval

W.H.P.C.U. MICROGRAPHICS

BEST AVAILABLE COPY

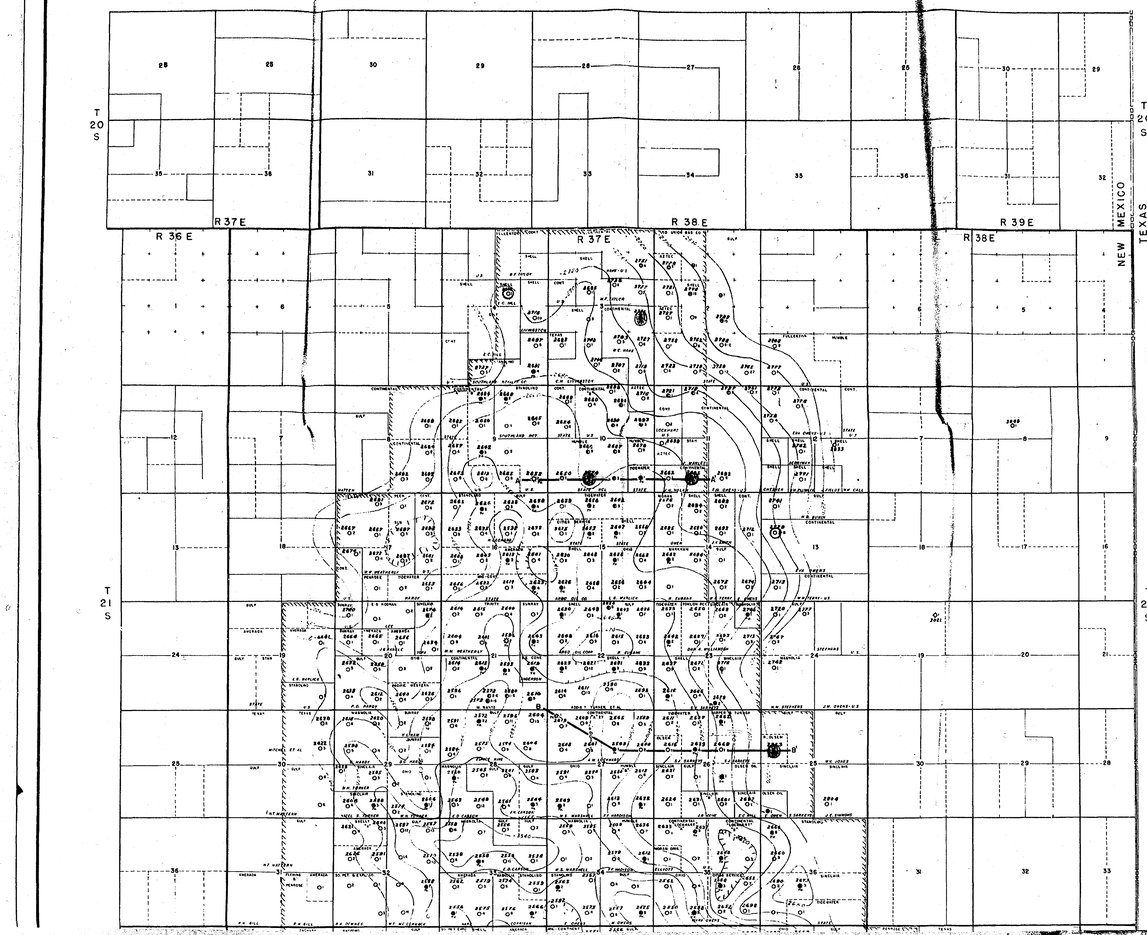
Case No.

1221

Large Exhibits

W.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY



W.N.M.C.F. HICROGRAPHICS

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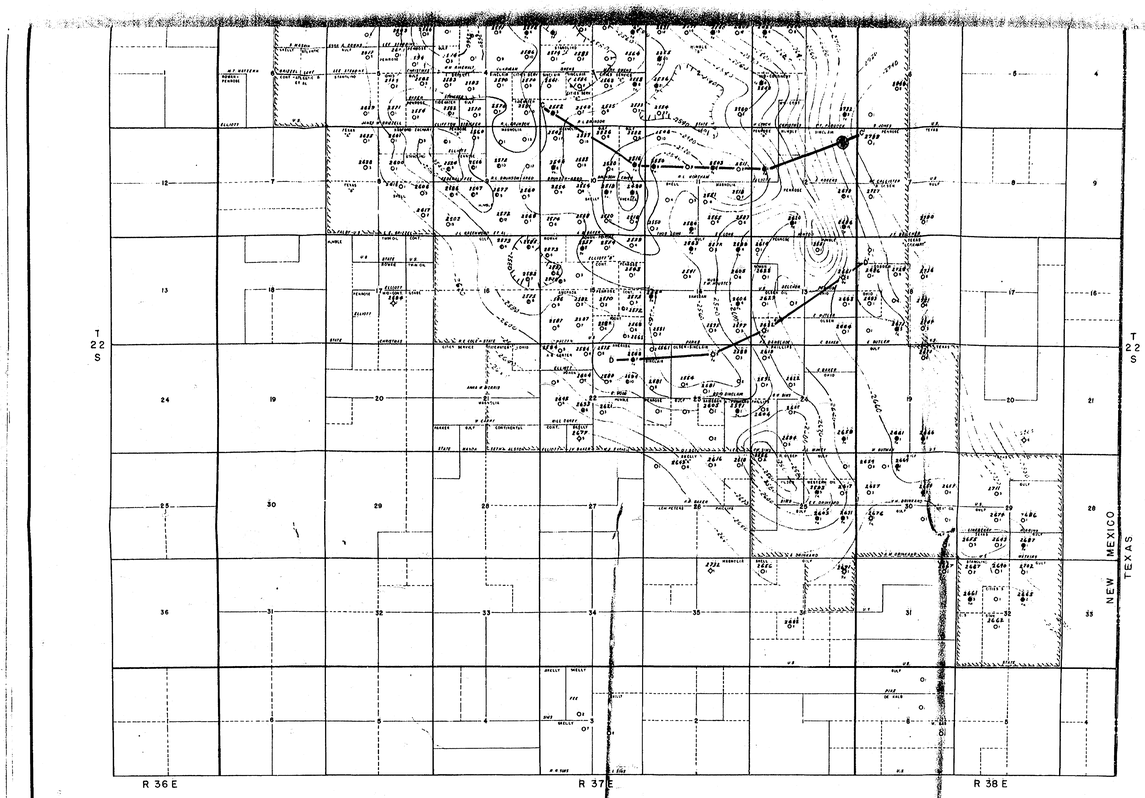


Exh. #1

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
EXHIBIT No. 1
CASE 1221

LEGEND:
- ⊙ – ELLENBURGER WELLS.
- ⊙ – HARE "
- ⊙ – MCKEE "
- ○ – DRINKARD "
- ● – TUBB OIL WELLS.
- ✱ – TUBB GAS WELLS.
- ◎ – TUBB WELLS –LOW GAS/LIQUID RATIO.
- (D) – OIL TESTED IN TUBB FORMATION.

N.

N.M. OIL CONSERVATION COMMISSION
HOBBS, NEW MEXICO

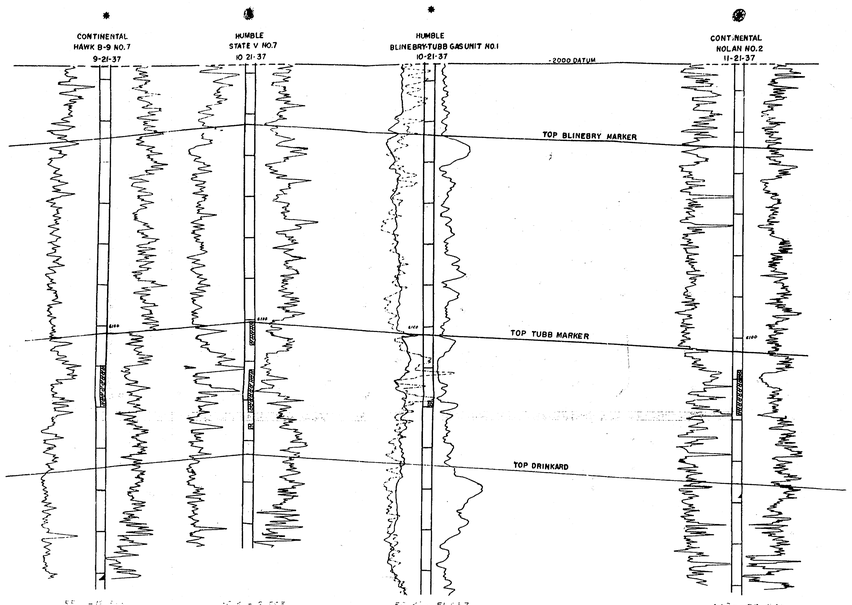
TUBB POOL
LEA COUNTY, NEW MEXICO

STRUCTURAL MAP ON THE TUBB MARKER

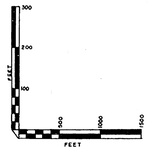
CONTOUR INTERVAL
GEOLOGIST J. W. RUNYAN
SCALE: 1"=2000'
DATE:

0 2000 4000 6000 8000 10000
FEET

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



EX #2



N.M. OIL CONSERVATION COMMISSION
HOBBS, NEW MEXICO

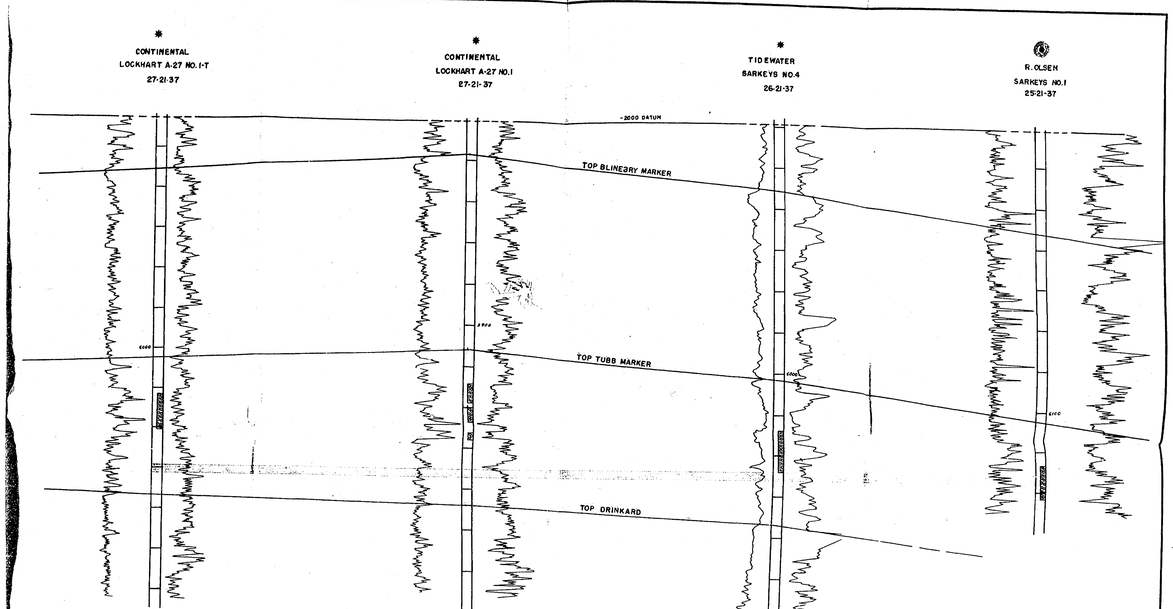
TUBB POOL
LEA COUNTY, NEW MEXICO

CROSS-SECTION A-A'

REPORT NO. 4
GEOLOGIST: J.M. RUNYAN

TUBB COMMITTEE
DATE: FEB. 19, 1957

BEFORE THE
OIL CONS. COMM.
STATE OF NEW MEXICO
EXHIBIT NO. 2
CASE 1221



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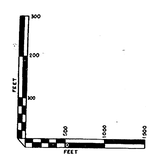


N.M. OIL CONSERVATION COMMISSION
HOBBS, NEW MEXICO

TUBB POOL
LEA COUNTY, NEW MEXICO

CROSS-SECTION B-B'

REPORT NO. 4
GEOLOGIST: J.M. RUNYAN

TUBB COMMITTEE
DATE FEB. 19, 1957

BEFORE THE
OIL CONS. COMM.
STATE OF NEW MEXICO
EXHIBIT NO. 3
CASE 1221

W.N.M.C.T. MICROGRAPHICS

BEST AVAILABLE COPY

BEST AVAILABLE COPY

W.N.M.C.T. MICROGRAPHICS

N.M. OIL CONSERVATION COMMISSION
HOBBS, NEW MEXICO

TUBB POOL
LEA COUNTY, NEW MEXICO
CROSS-SECTION c-c'

REPORT NO. 4 — TUBB COMMITTEE
GEOLOGIST: J.M. HUMAN — DATE: FEB 19, 1957

DL ENGR.
SCALE

CHK ____ 291

Ex #4

FEET
100
200
300
400
500

SINCLAIR
ROGERS NO. 2
12-22-37

NEVILLE & PENROSE
ELLIOTT HINTON NO. 1
12-22-37

OHIO
WORTHAN NO. 11
11-22-37

OHIO
WORTHAN NO. 9
11-22-37

GULF
EAVES NO. 5
10-22-37

CITIES SERVICE
BRUNSON B NO. 3
3-22-37

TOP BLINEBRY MARKER

TOP TUBB MARKER

TOP DRINKARD

-3900 DATUM

TD. 6298
EL. 3345

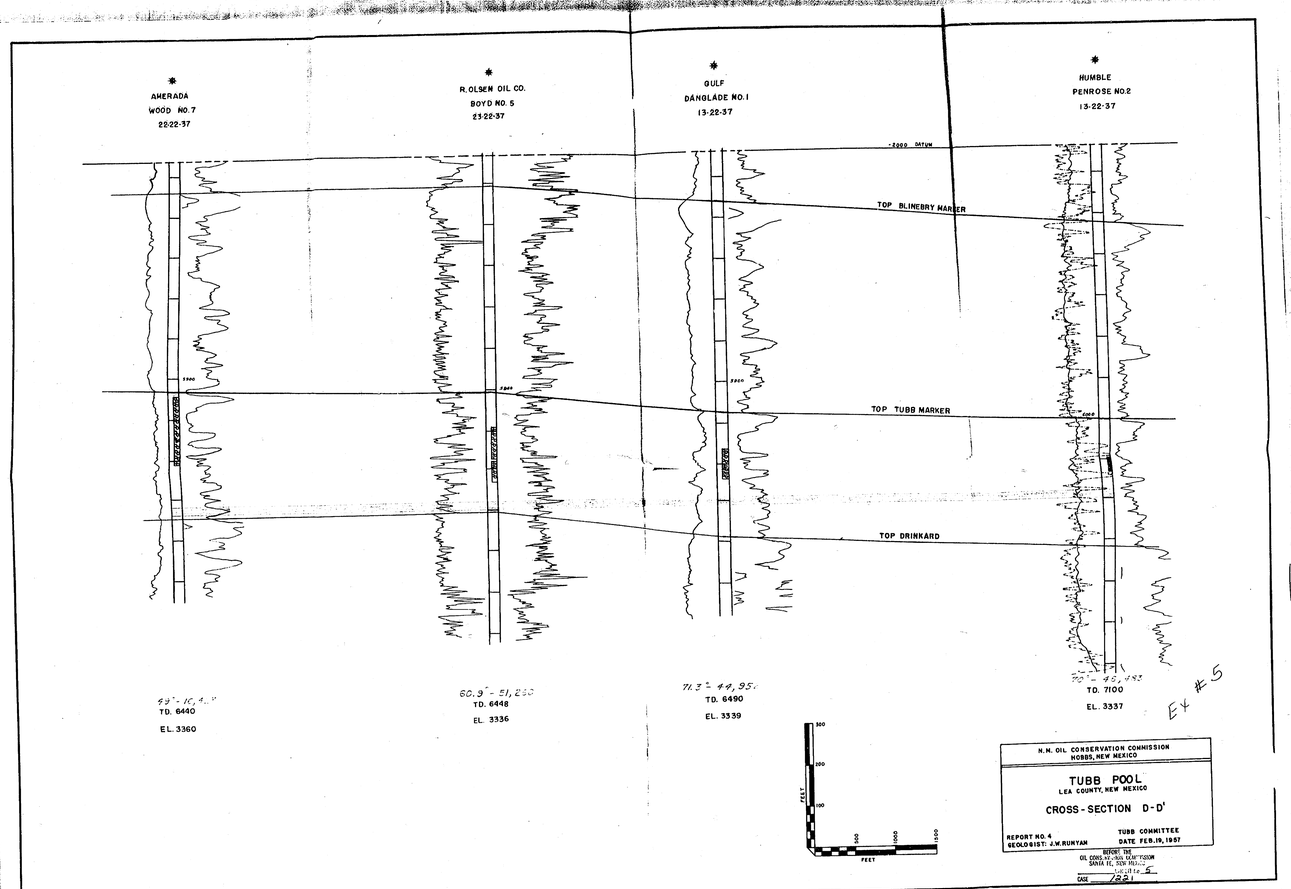
MD PL. LOG SEE TRACE
TD. 6600
EL. 3346

TD. 6681
EL. 3369

TD. 6662
EL. 3375

TD. 6682
EL. 3395

TD. 6570
EL. 3435



W.N.M.C.P. MICROGRAPHICS
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CASE No.

12224/223

Missing

Large Exhibits

OCD

W.M.R.C.D. MICROGRAPHICS

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Case No.

1224

Large Exhibits

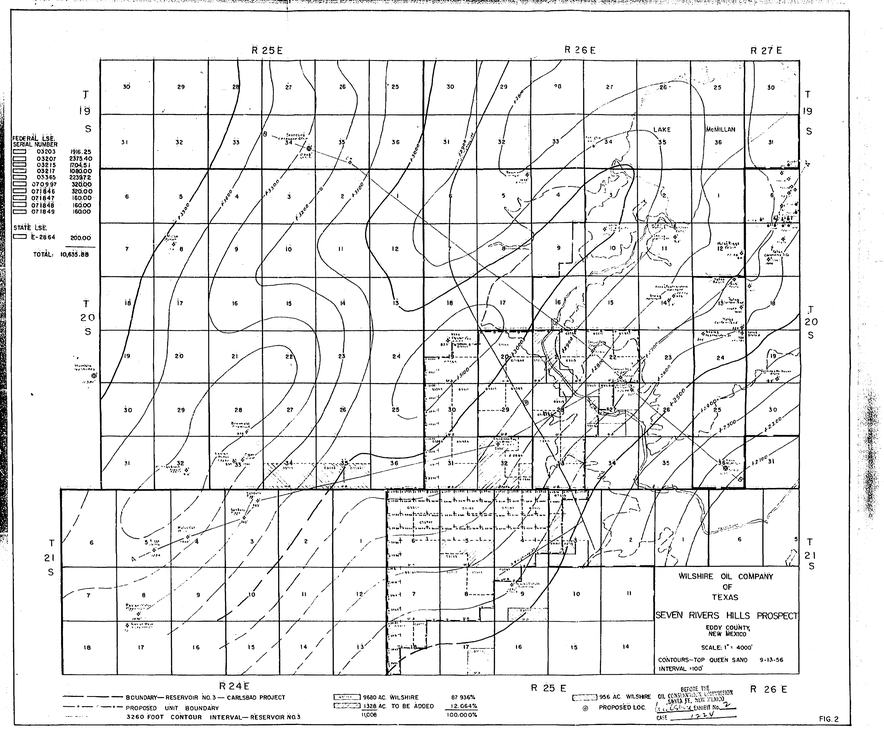

FIG. 2

W.N.M.C.F. MICROGRAPHICS

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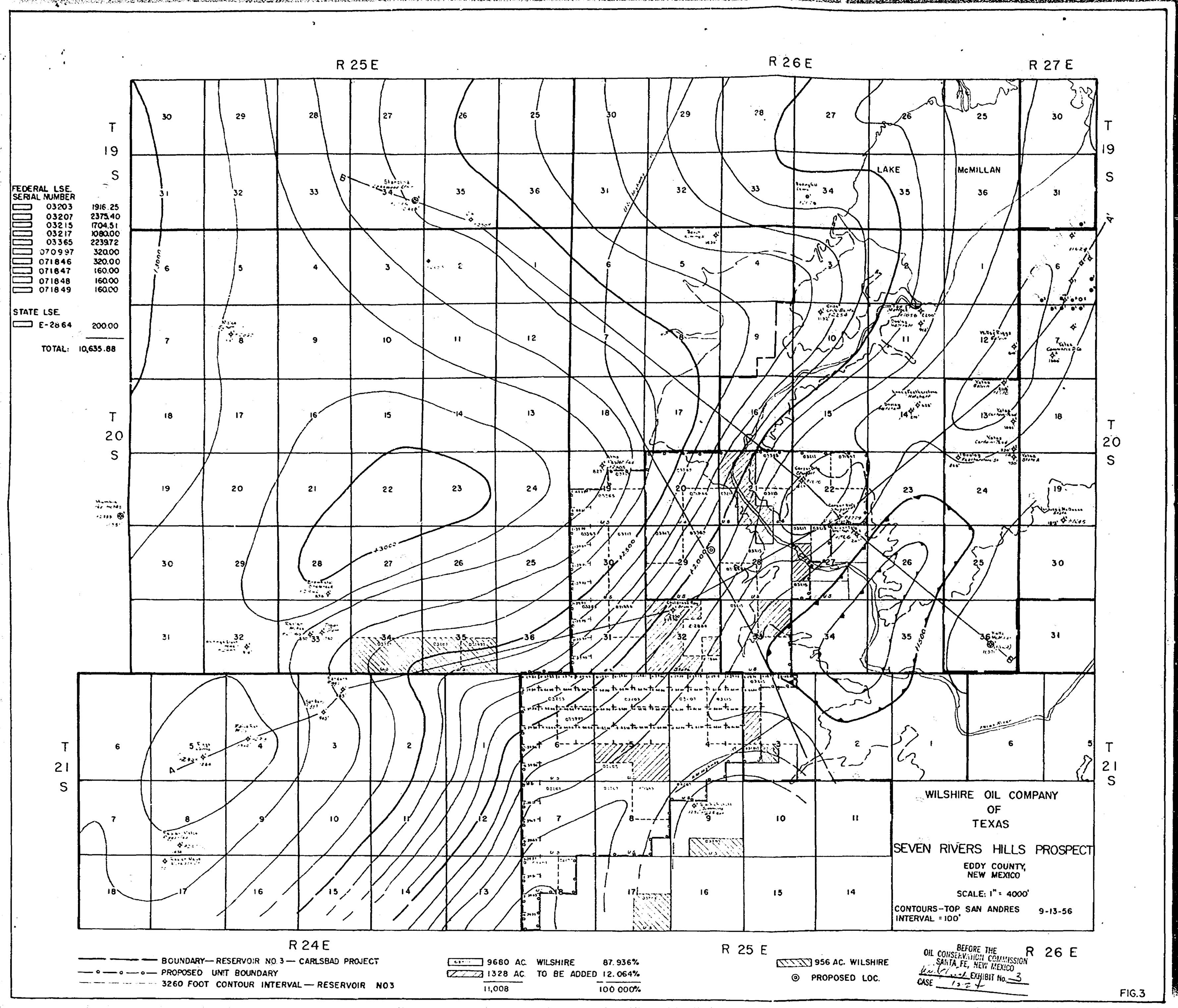

FIG. 3

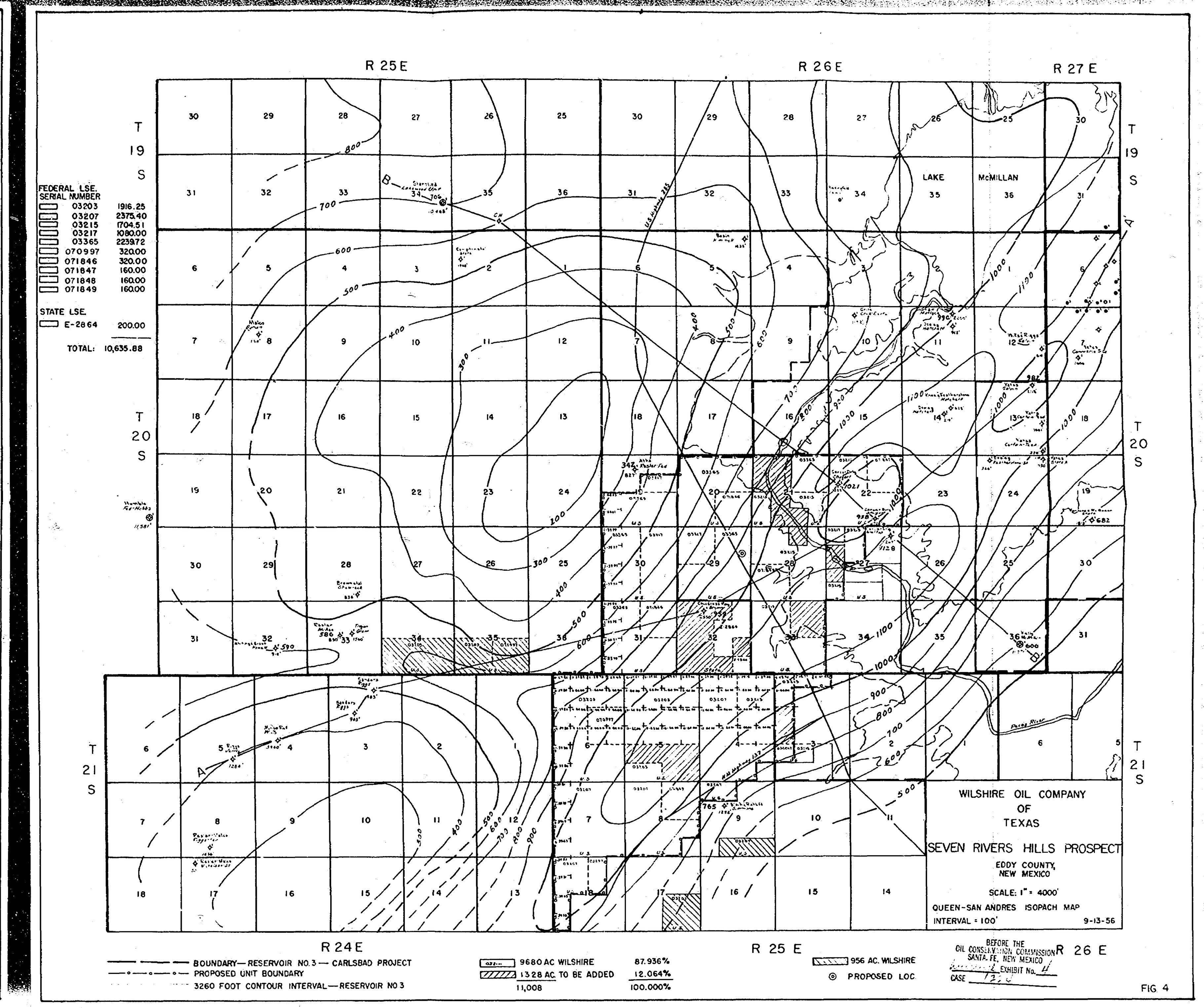

FIG. 4

W.N.M.C.F. MICROGRAPHICS
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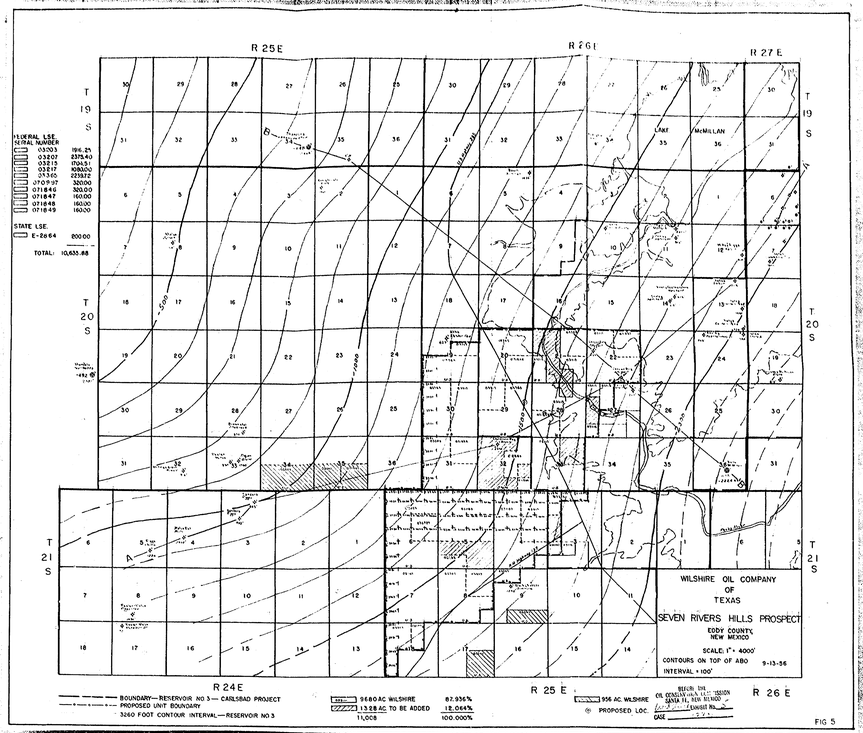

FIG 5

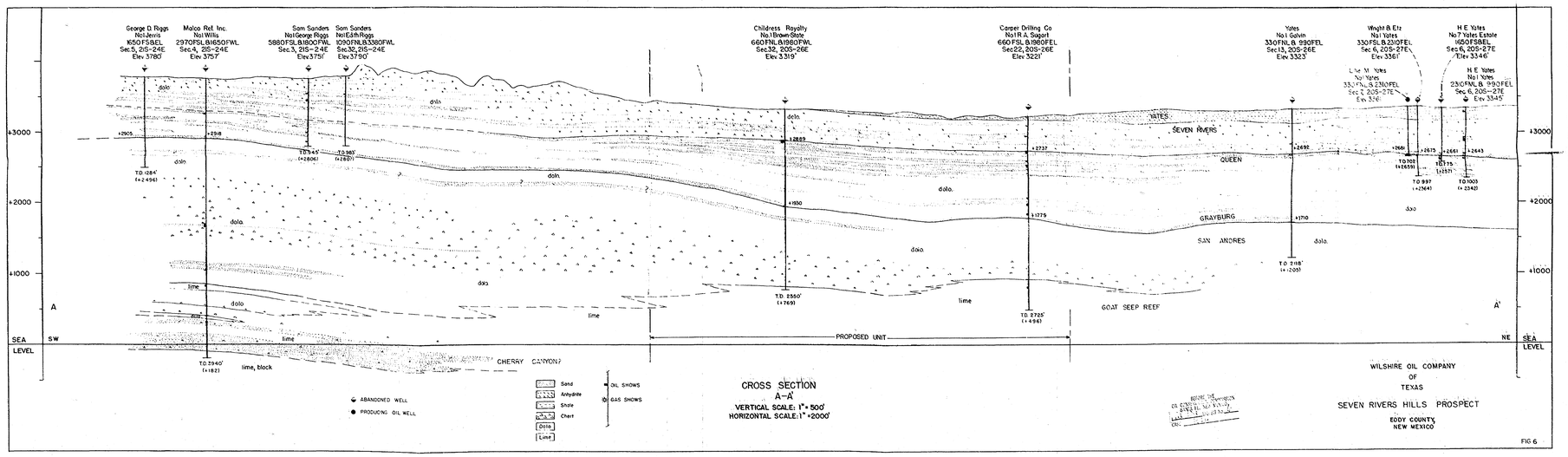

FIG 6

V.R.M.C.V. MICROGRAPHICS
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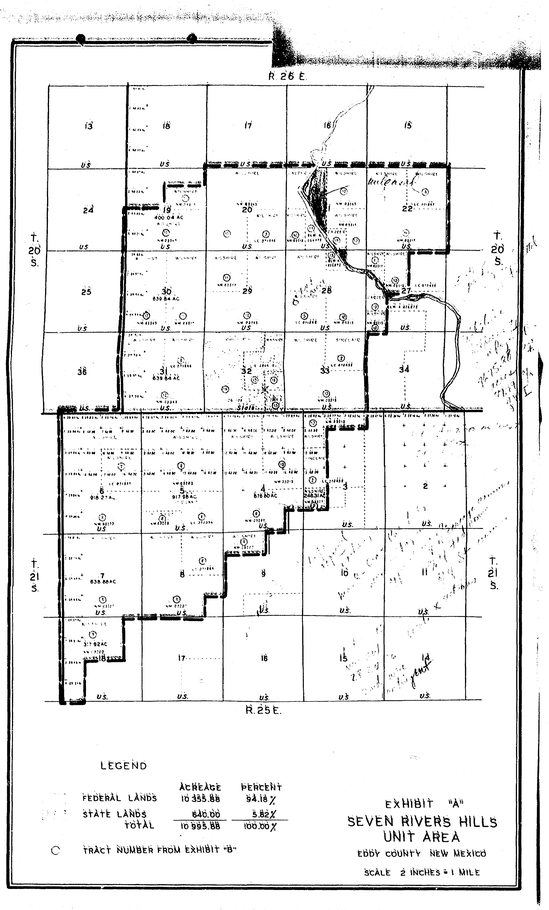
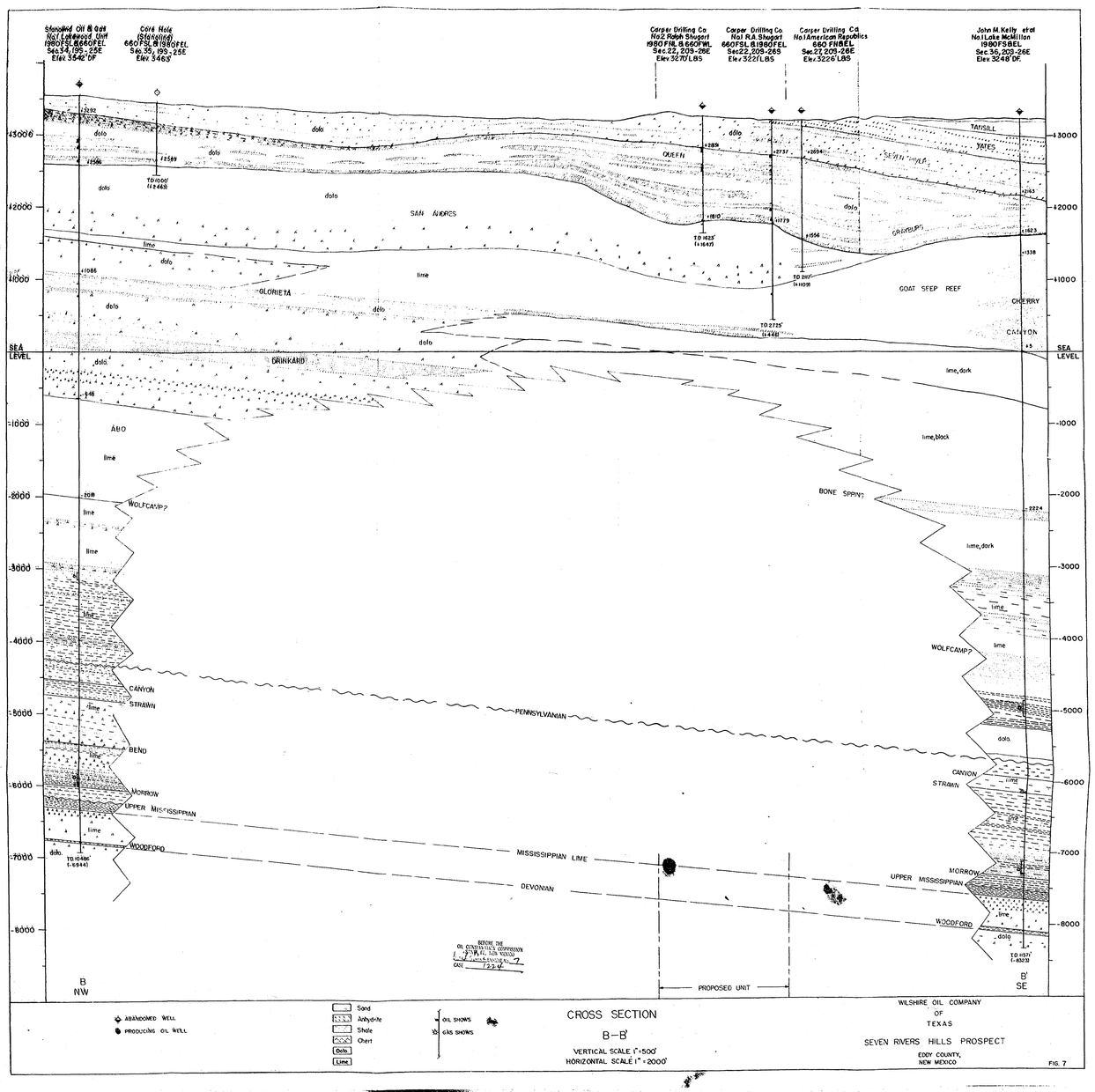
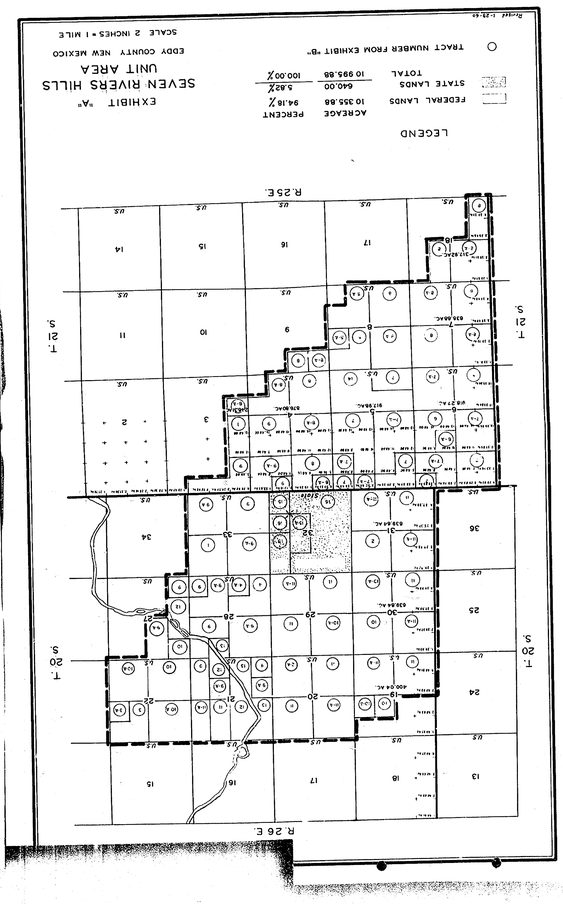


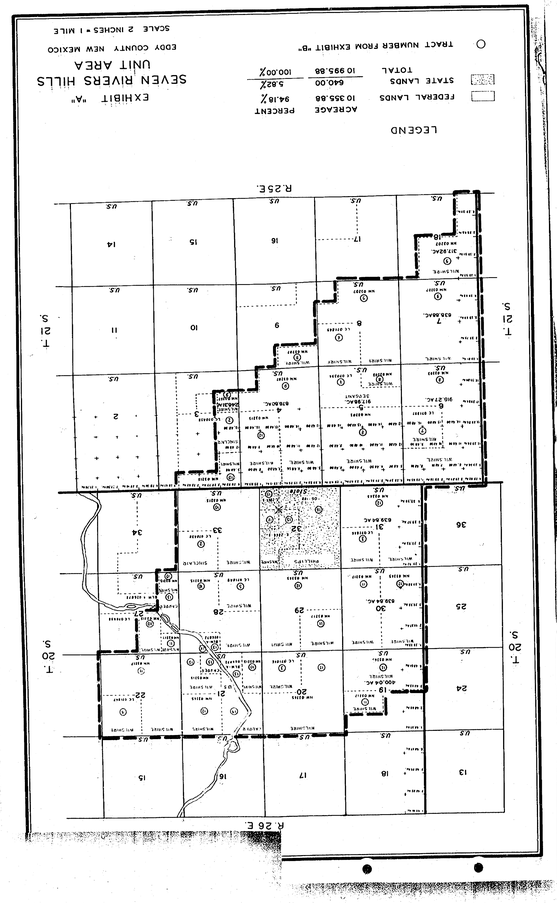


V.A.M.V.F. MICROGRAPHICS
WEST VIRGINIA COPY

U.S.G.S. TOPOGRAPHIC

BEST AVAILABLE COPY

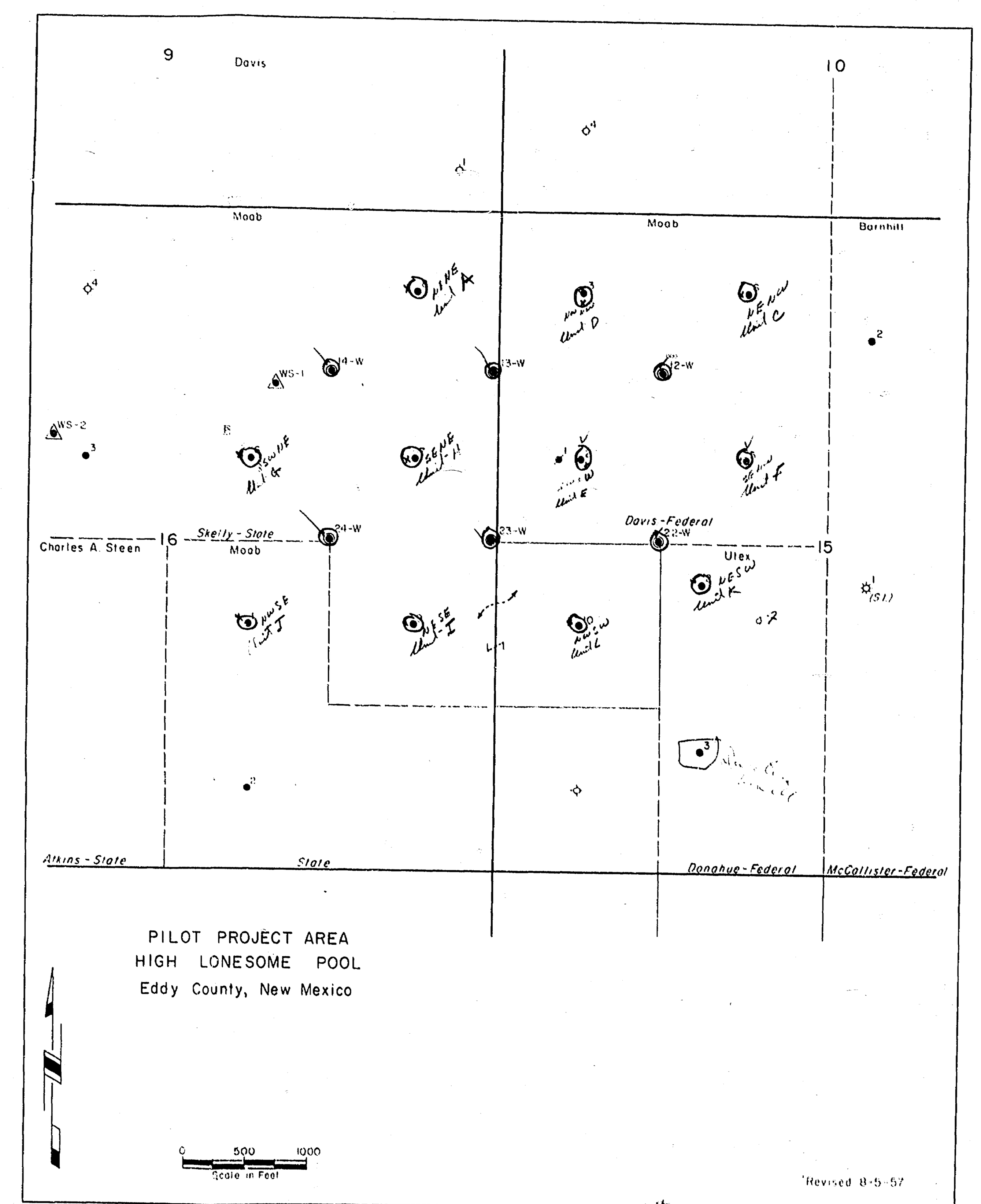




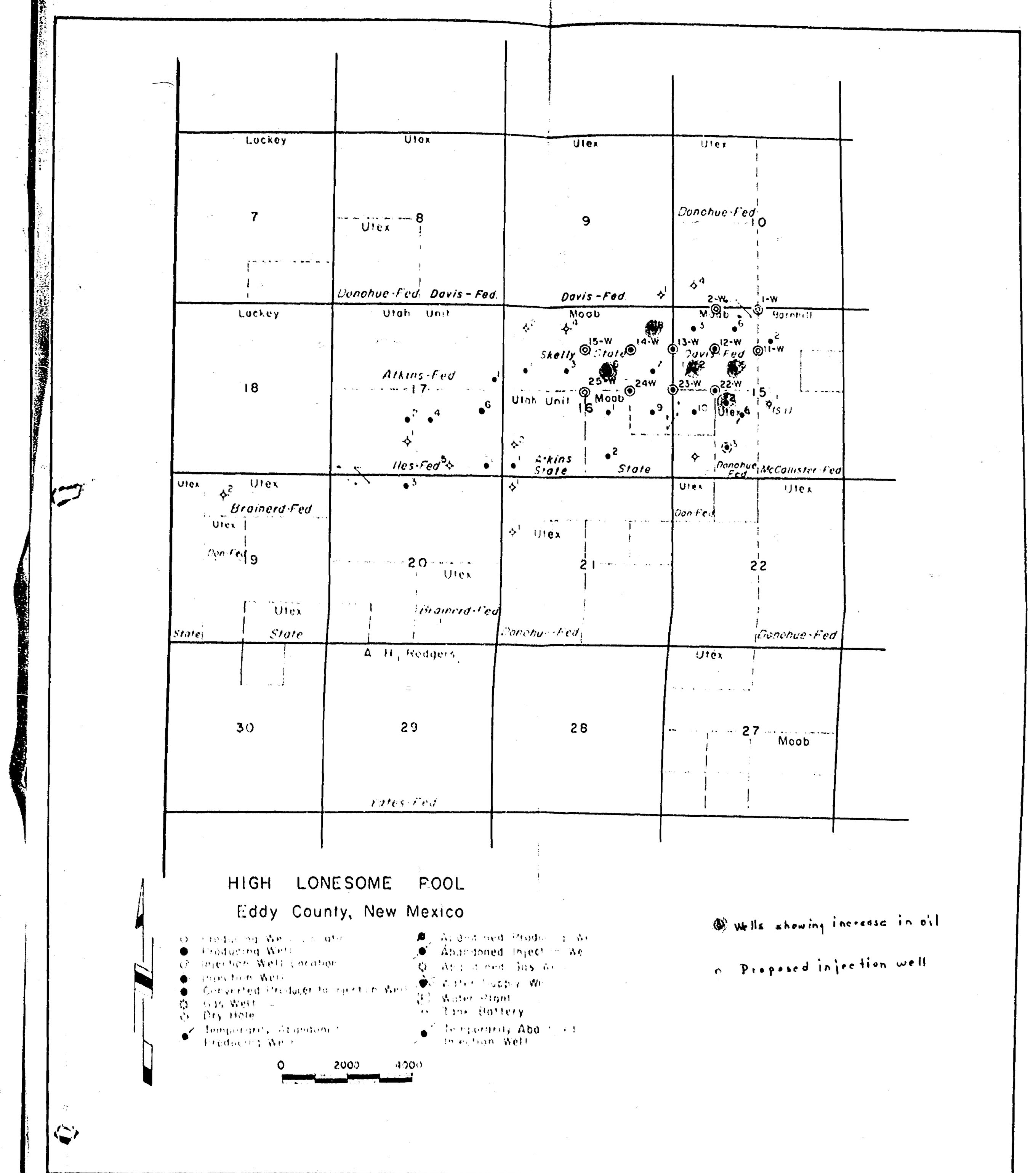
Case No.

1225

Large Exhibits



O - Injection wells
O producing wells



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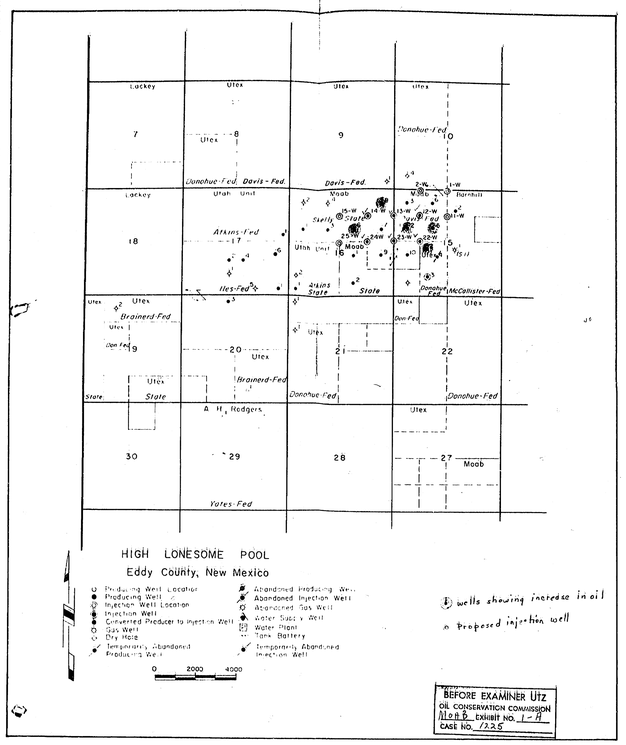


HIGH LONESOME POOL

Eddy County, New Mexico

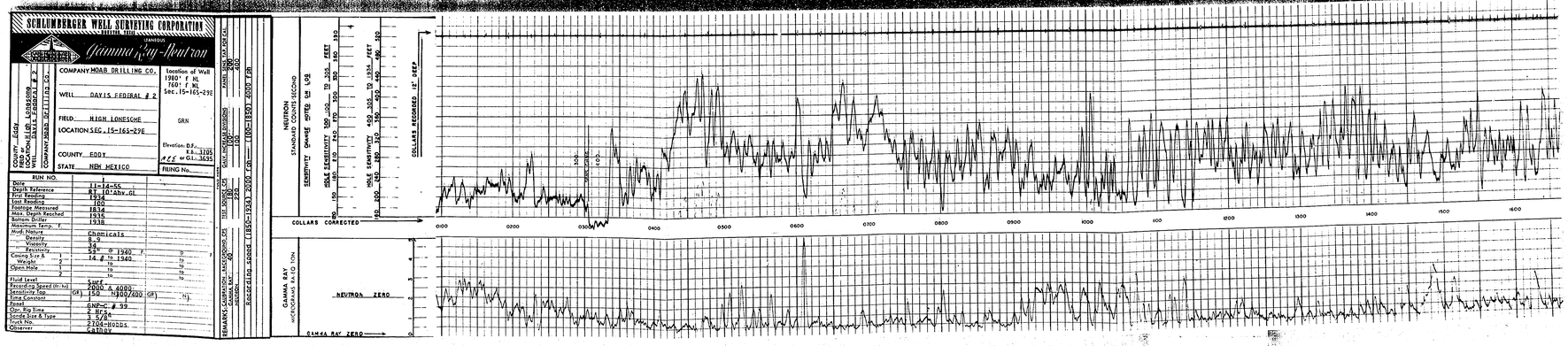
- Producing Well Location
- Producing Well
- Injection Well Location
- Injection Well
- Converted Producer to Injection Well
- Gas Well
- Dry Hole
- Temporarily Abandoned Producing Well
- Abandoned Producing Well
- Abandoned Injection Well
- Abandoned Gas Well
- Water Supply Well
- Water Plant
- Tank Battery
- Temporarily Abandoned Injection Well

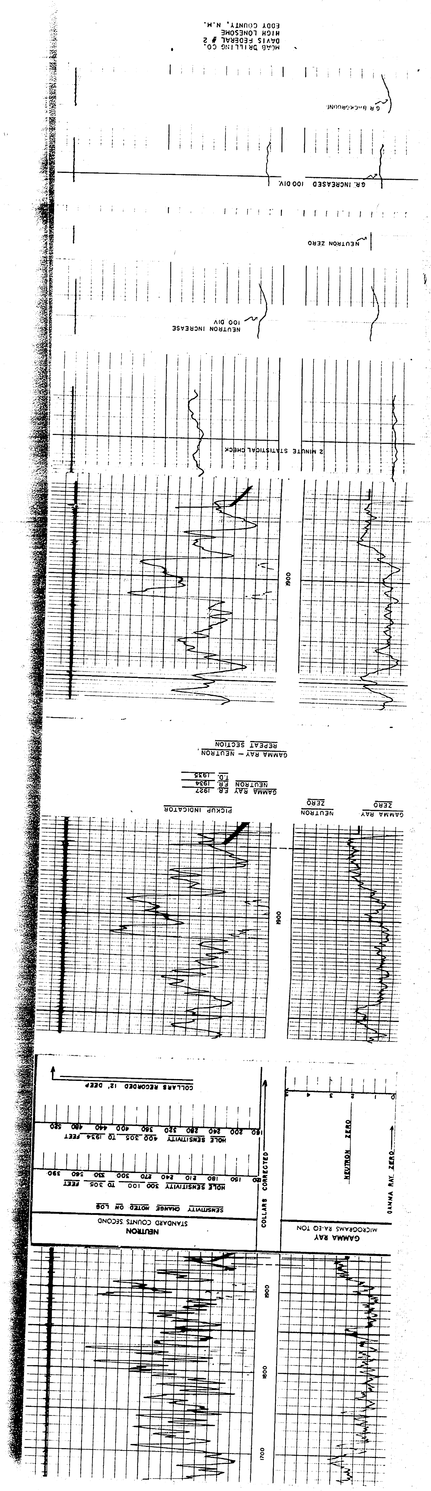
0 2000 4000

wells showing increase in oil

proposed injection well

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
Moab EXHIBIT NO. 1-A
CASE NO. 1225




MCAB DRILLING CO.
DAVIS FEDERAL # 2
HIGH LONESOME
EDDY COUNTY, N.M.
G R Background
GR. INCREASED 100 DIV
NEUTRON ZERO
NEUTRON INCREASE 100 DIV
2 MINUTE STATISTICAL CHECK
GAMMA RAY - NEUTRON
REPEAT SECTION
GAMMA RAY ZERO
NEUTRON ZERO
PICKUP INDICATOR
GAMMA RAY FROM NEUTRON FROM
1827 1834 TO 1835
GAMMA RAY - NEUTRON
REPEAT SECTION
NEUTRON
STANDARD COUNTS SECOND
GAMMA RAY
MICROGRAMS RA EQ TON
COLLARS CORRECTED
RESISTIVITY CHANGES NOTED ON LOG
HOLE RESISTIVITY 100 TO 1305 FEET
HOLE RESISTIVITY 400 305 TO 1934 FEET
COLLARS RECORDED 17' DEEP
CASE VOLUME
CASE GAMMAS
1000
1000
1000

CASE No.

1226

Missing

Large Exhibits

OCD

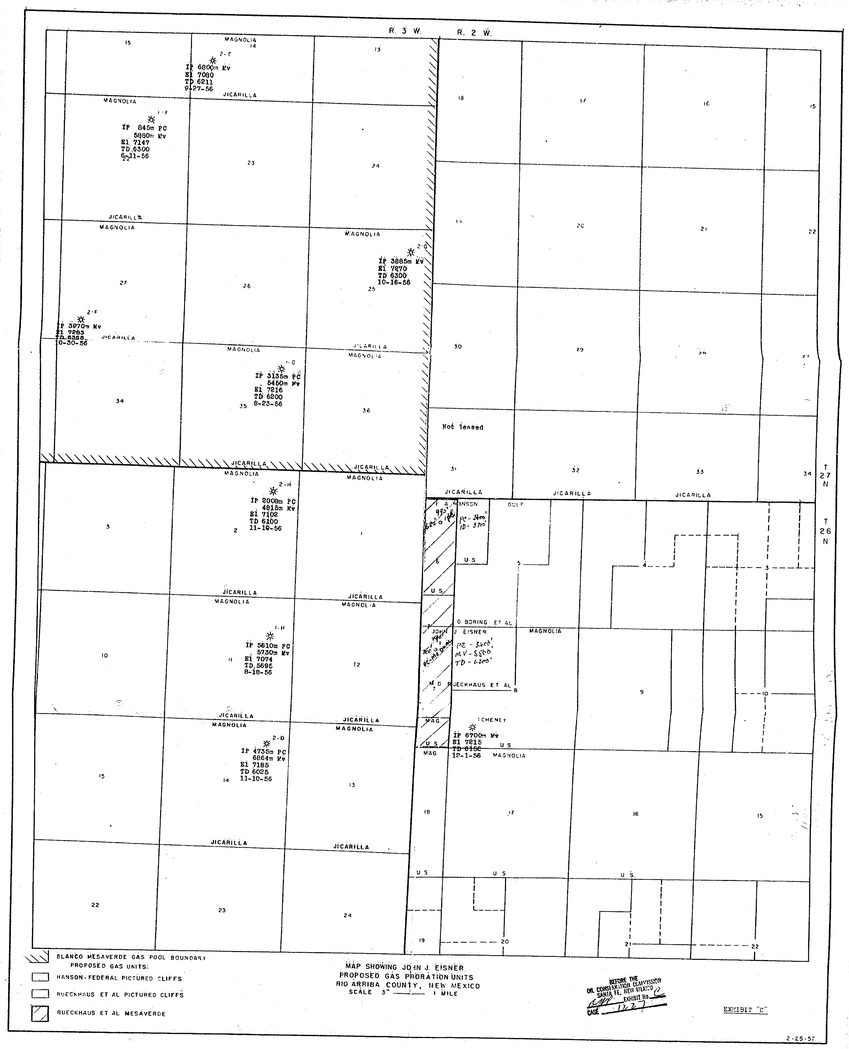
W.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

Case No.

1227

Large Exhibits



U.S.G.S. MICROGRAPHICS
BEST AVAILABLE COPY

CASE NO.

1228 to 1232

Missing

Large Exhibits

OCD

W.N.M.C.F. MICROGRAPHICS

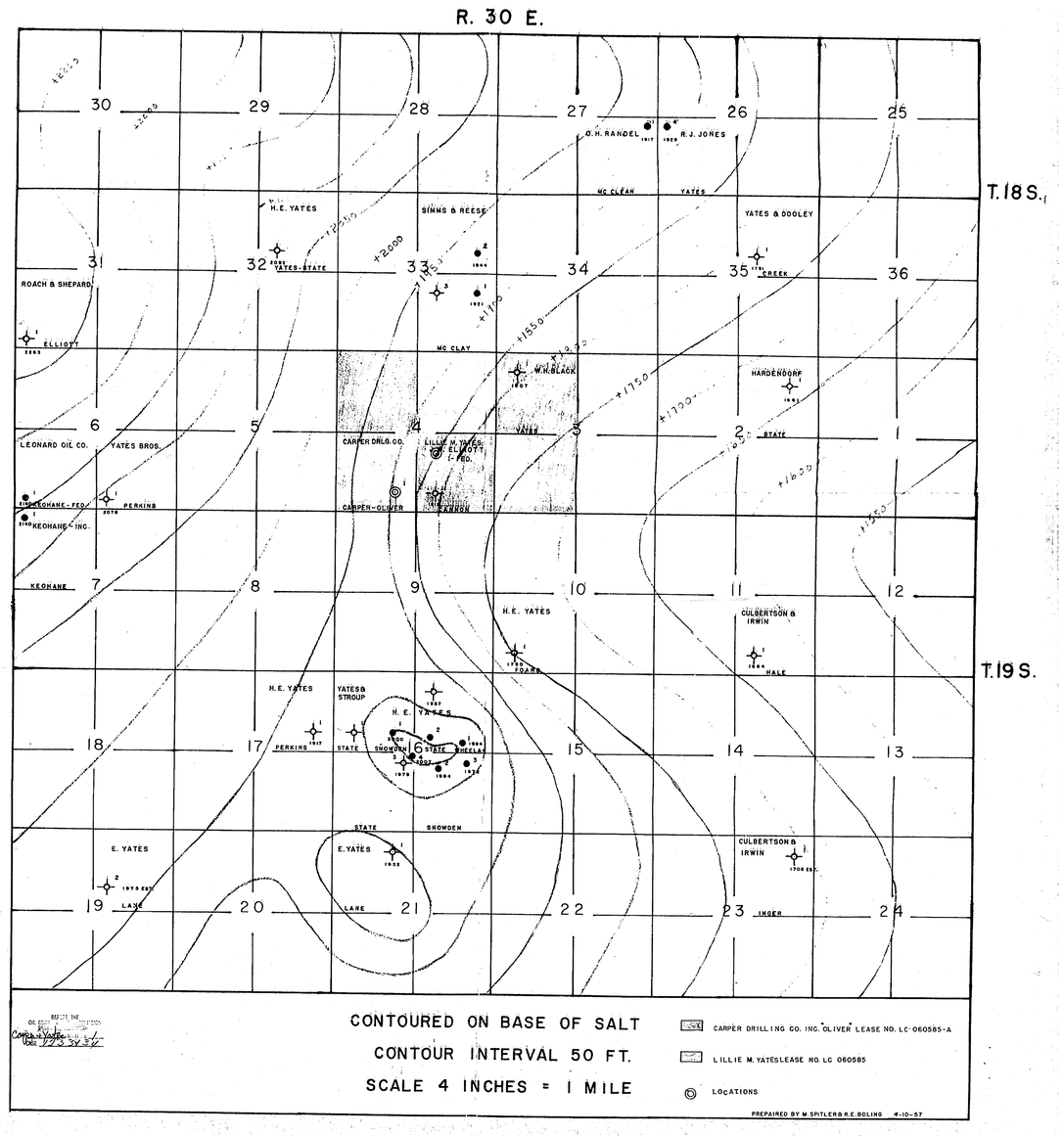
BEST AVAILABLE COPY

Case No.

1233

Large Exhibit

A PART OF TWP'S. 18 & 19S RNG. 30E. EDDY CO. N. M.



CONTOURED ON BASE OF SALT

CONTOUR INTERVAL 50 FT.

SCALE 4 INCHES = 1 MILE

CARPER DRILLING CO. INC. OLIVER LEASE NO. LC-060585-A

LILLIE M. YATES LEASE NO. LC 060585

LOCATIONS

PREPAIRED BY M. SPITLER & R.E. BOLING 4-10-57

CASE NO.

1234

Missing

Large Exhibits

OCD

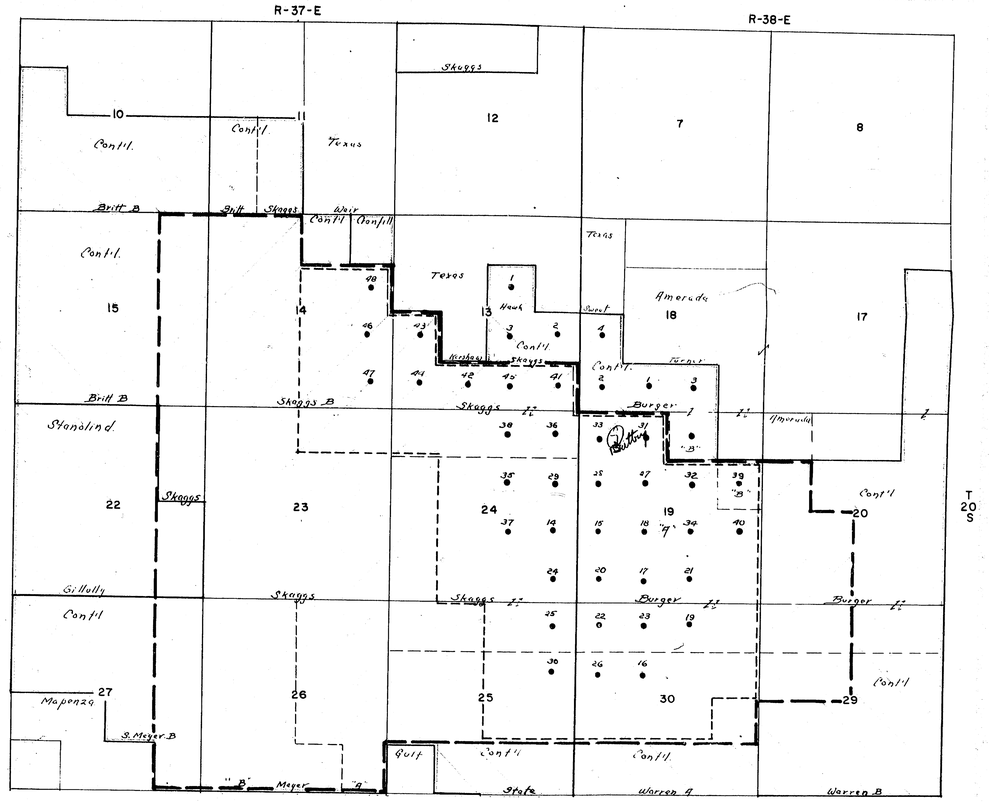
W.N.H.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

Case No.

1235

Large Exhibits



CONTINENTAL OIL COMPANY

SOUTHEAST MONUMENT UNIT AREA

UNIT BOUNDARY

PERMIAN PART. AREA BOUNDARY

Scale 1" = 2000'

Case No. 1235

Exhibit No. 1

W.N.M.C.F. MICROGRAPHICS

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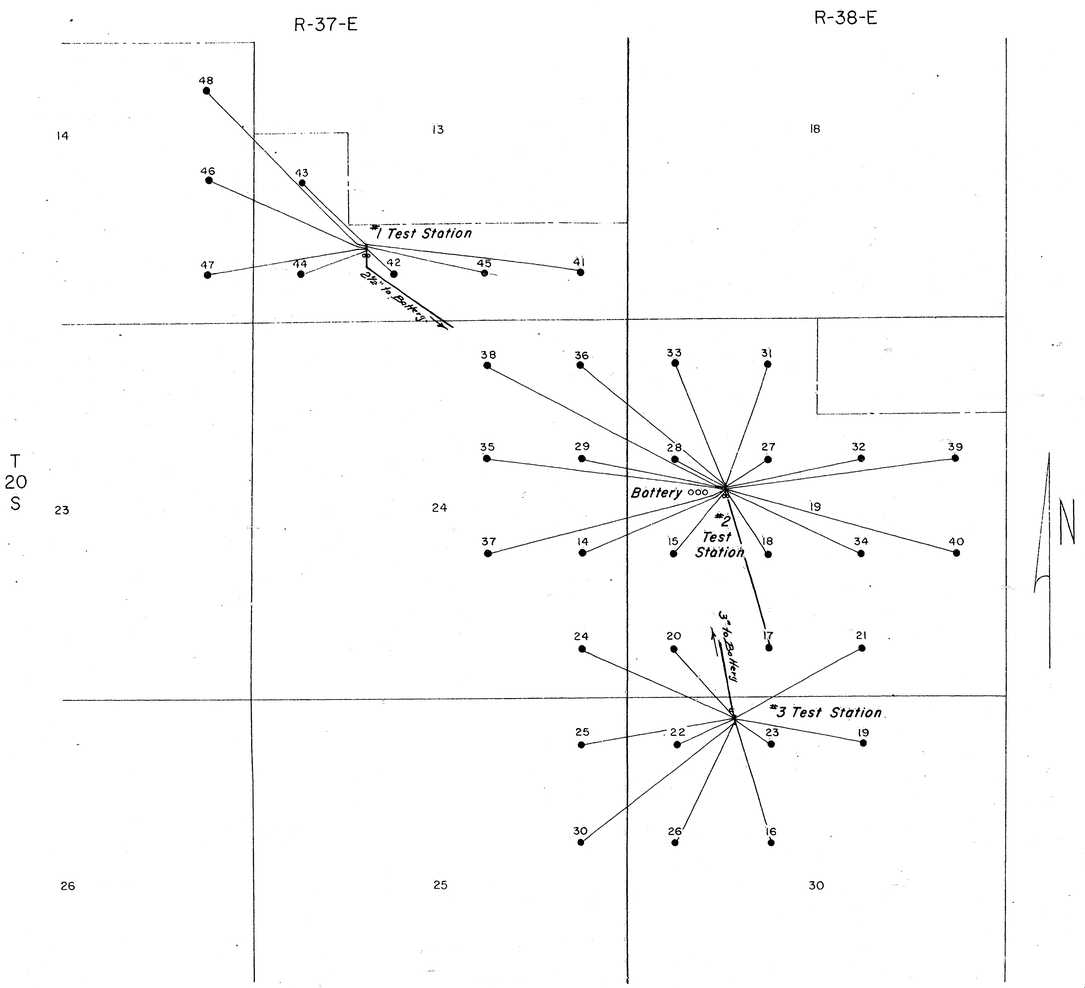
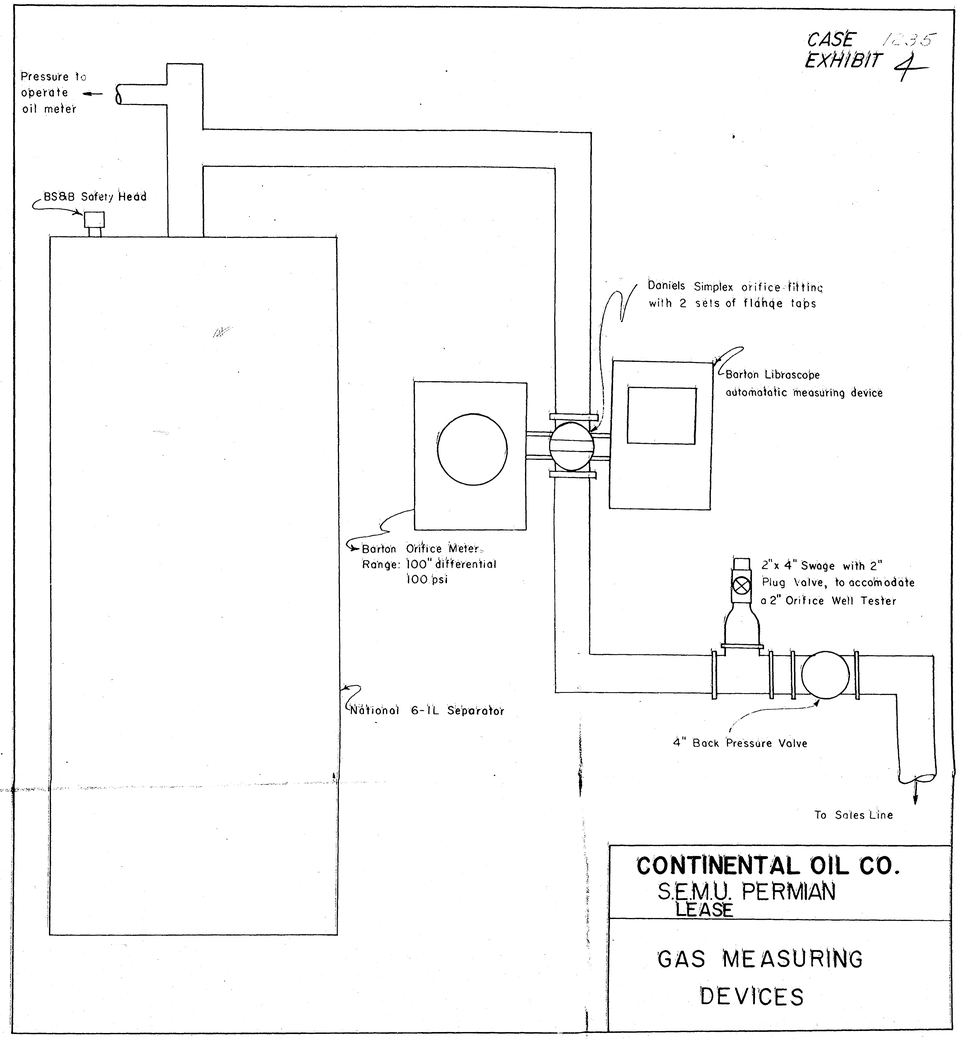


MAP OF SKAGGS AREA
showing
CONTINENTAL'S SEMU-PERMIAN WELLS
PROPOSED HOOK-UP — AUTOMATIC BATTERY SYSTEM
scale: 1" = 1000'

Case No. 1235
Exhibit No. 2

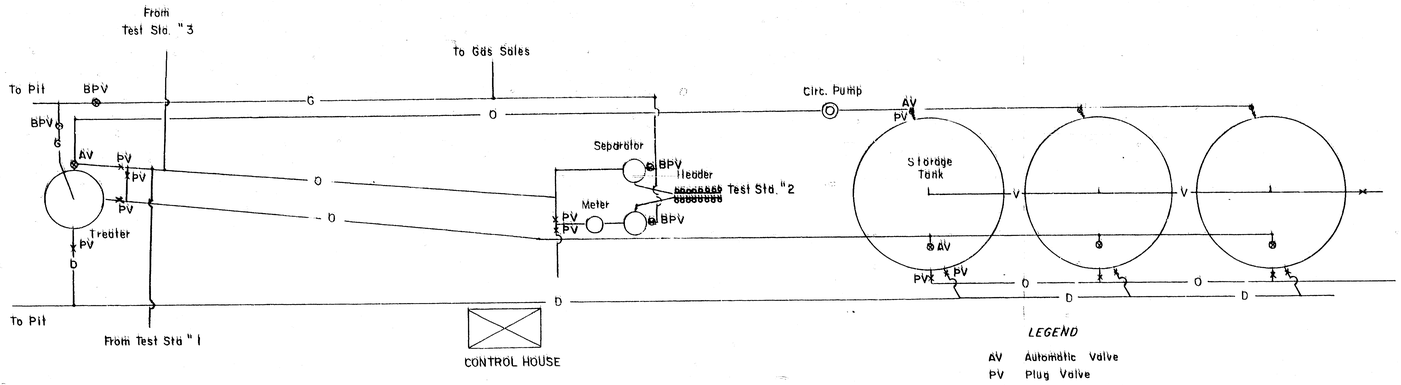
CASE 1235
EXHIBIT 4



CONTINENTAL OIL CO.
S.E.M.U. PERMIAN LEASE

GAS MEASURING DEVICES

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



LEGEND

AV	Automatic Valve
PV	Plug Valve
BPV	Back Pressure Valve
—O—	Oil Line
—G—	Gas Line
—D—	Drain Line

CONTINENTAL OIL COMPANY
SEMU-PERMIAN LEASE
BATTERY LAYOUT

CASE 1235
EXHIBIT 3

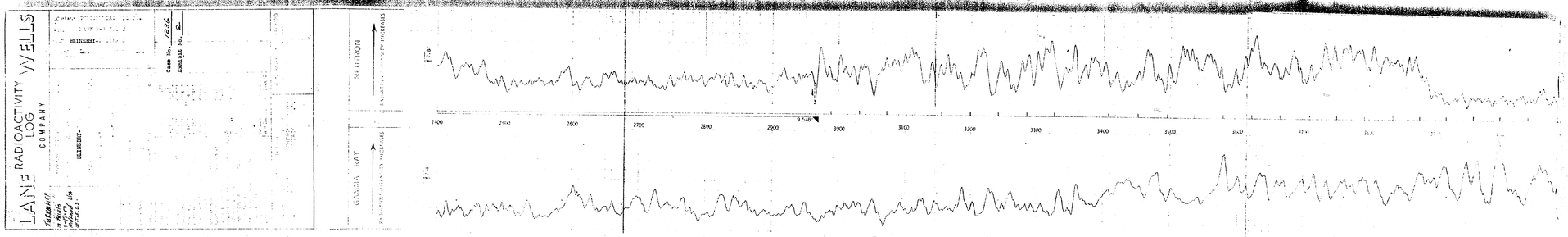
W.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

Case No.

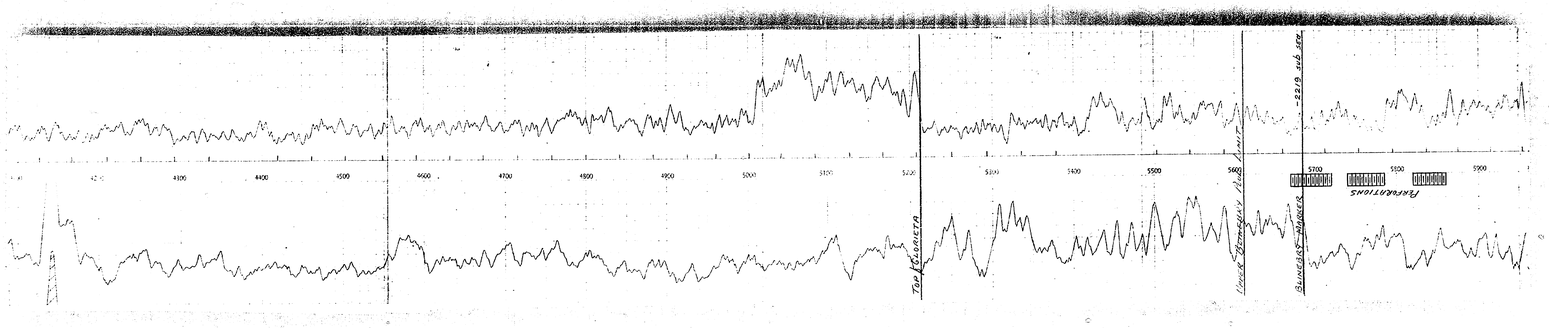
1236

Large Exhibits



M.N.H.C.F. MICROGRAPHICS

BEST AVAILABLE COPY



M.N.H.C.F. MICROGRAPHICS

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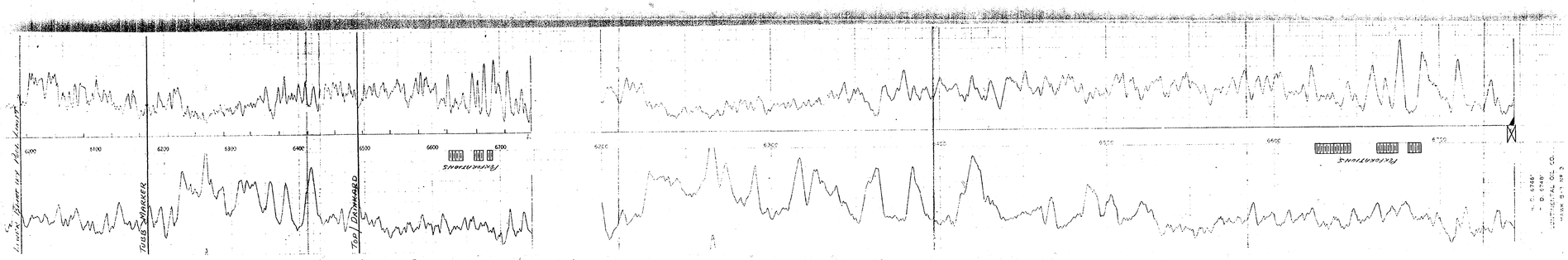


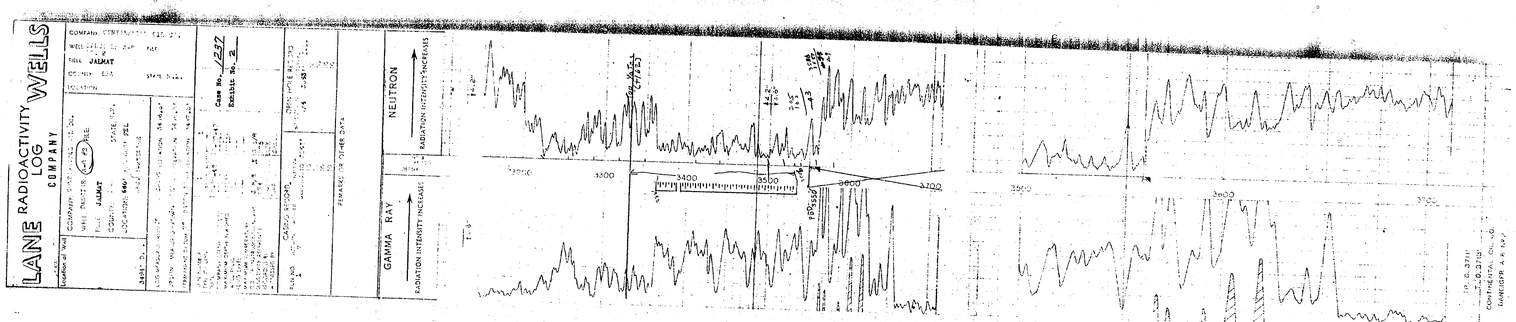
U.S.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

Case No.

1237

Large Exhibits



W.N.M.C.T. HICROGRAPHICS

BEST AVAILABLE COPY

CASE NO.

1238 TO 1240

Missing

Large Exhibits

OCD

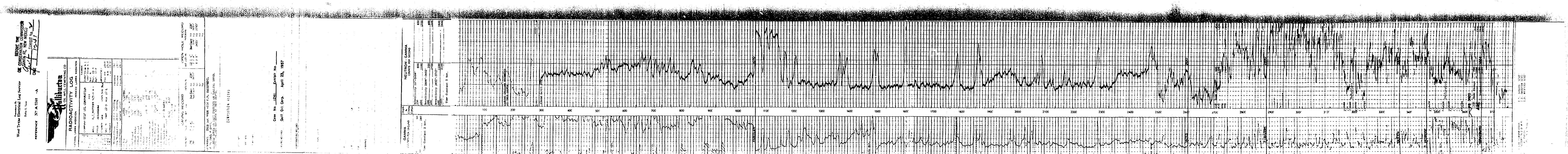
W.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

Case No.

1241

Large Exhibits



W.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

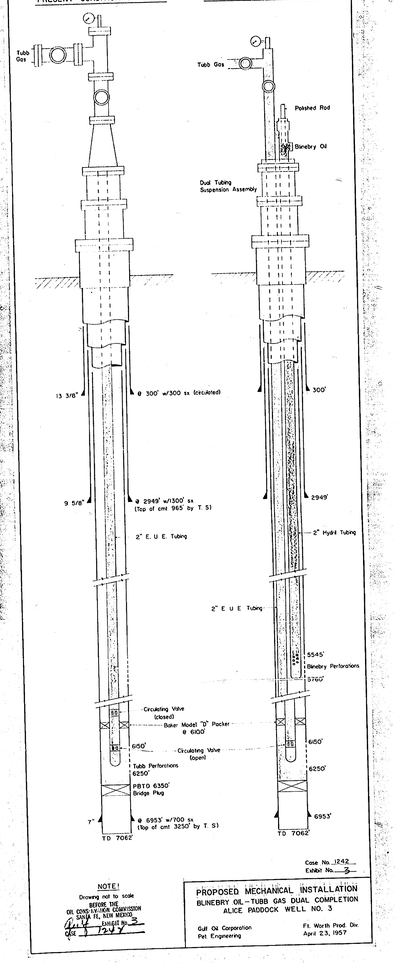
Case No.

1242

Large Exhibits

PRESENT CONDITION OF WELL

PROPOSED DUAL COMPLETION



NOTE!
Drawing not to scale
BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
Case No. 3
Exhibit No. 3

Case No. 1242
Exhibit No. 3

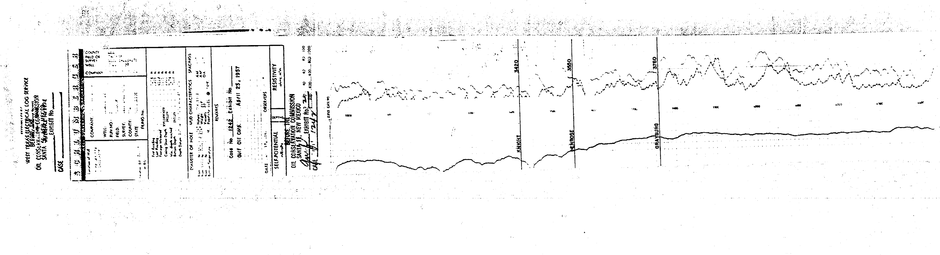
PROPOSED MECHANICAL INSTALLATION
BLINEBRY OIL-TUBB GAS DUAL COMPLETION
ALICE PADDOCK WELL NO. 3

Gulf Oil Corporation
Pet. Engineering

Ft. Worth Prod. Div.
April 23, 1957

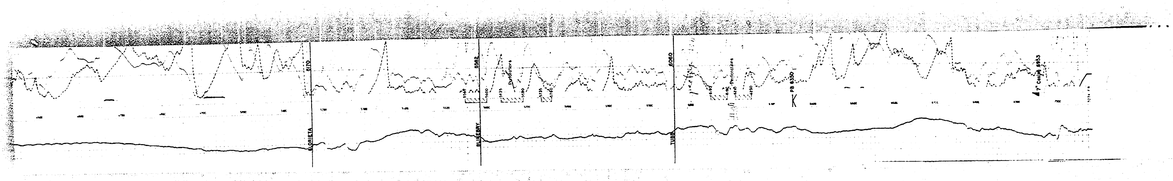
W.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY



V.A.H.C.C. RECOMMENDS
BEST AVAILABLE COPY

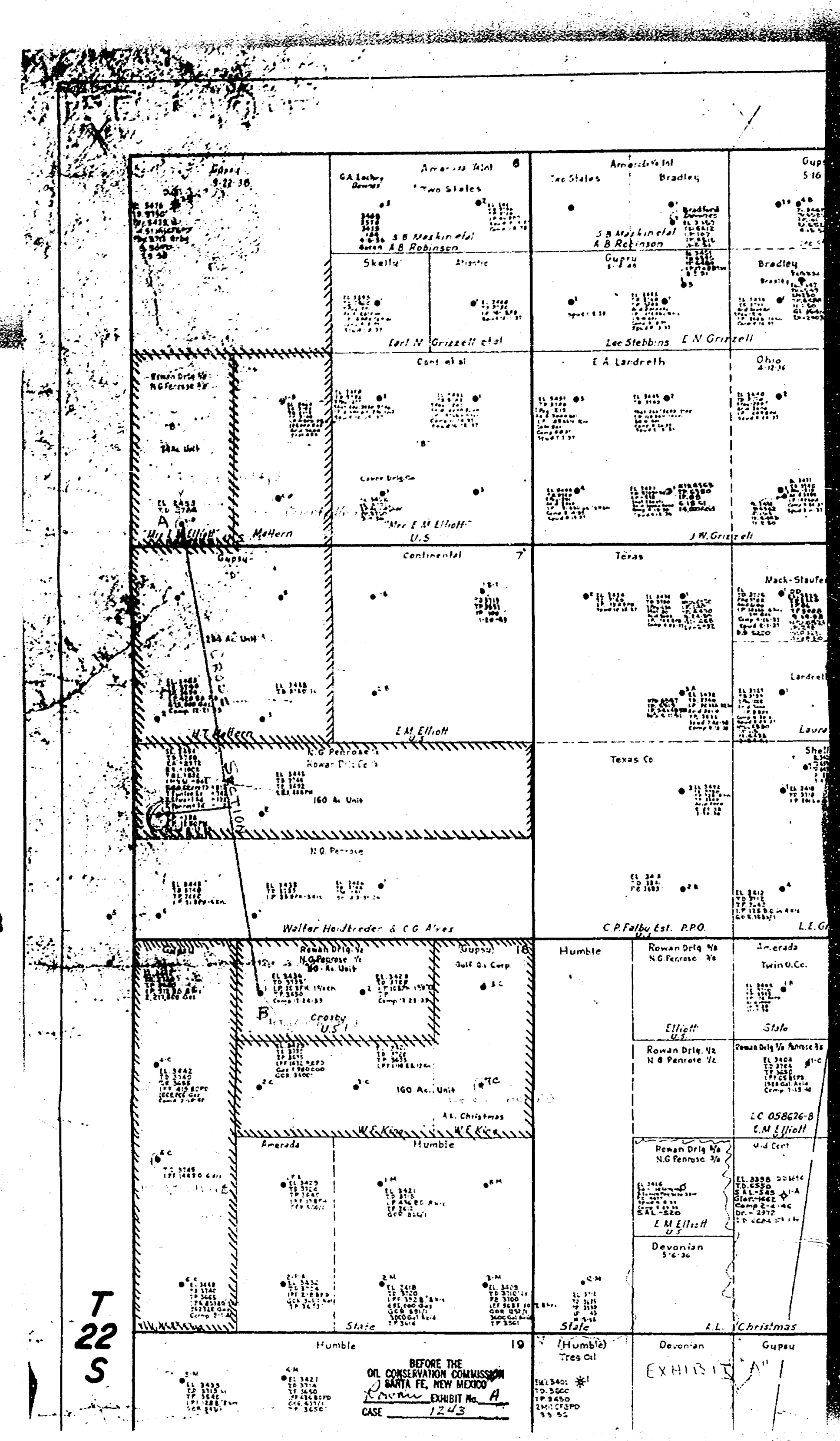
V.S.R.C.P. HEMOGRAPHICS
BEST AVAILABLE COPY

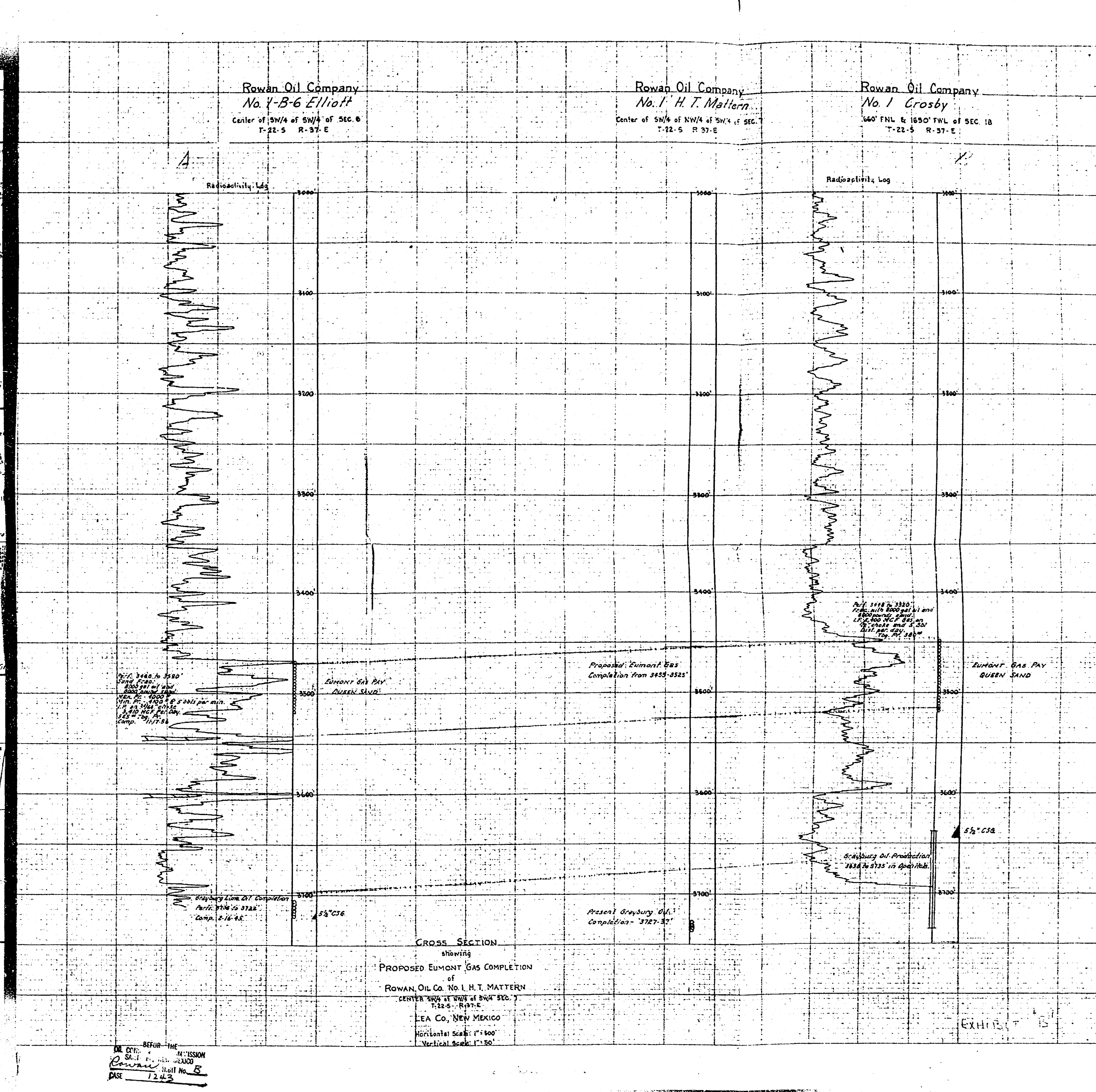


Case No.

1243

Large Exhibits





W.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

CASE NO.

1244

Missing

Large Exhibits

OCD

W.N.M.C.F. MICROGRAPHICS

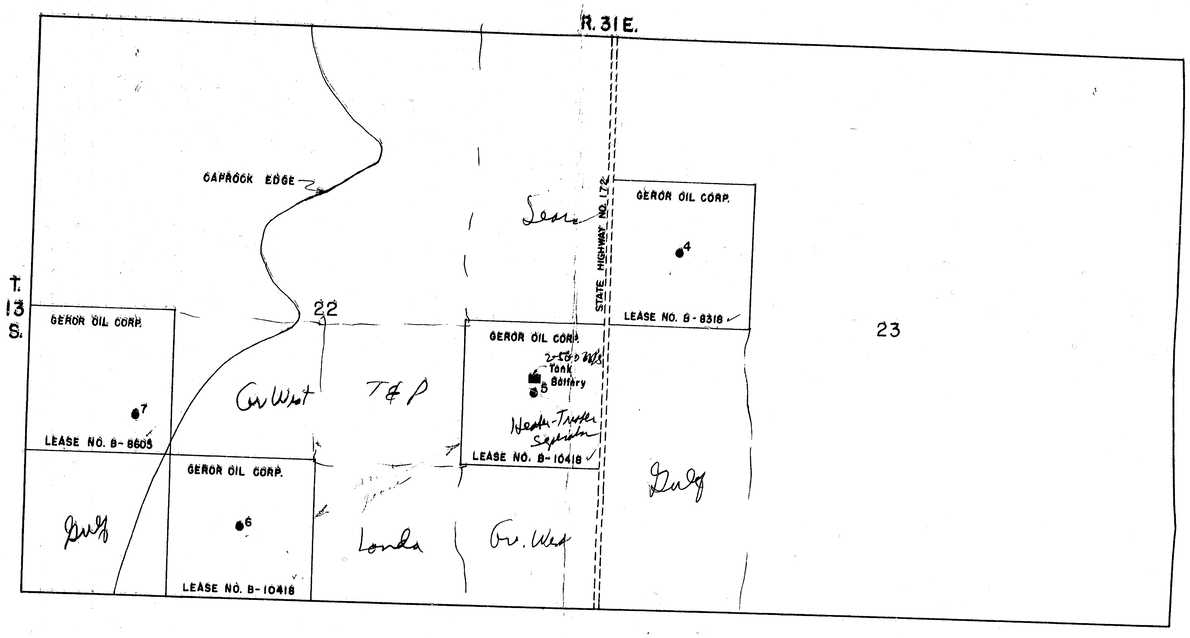
BEST AVAILABLE COPY

Case No.

1245

Large Exhibits

CASE NO. 1245
EXHIBIT NO. 1



BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
Gerow EXHIBIT No. 1
CASE 1245

GEROR OIL CORPORATION LEASES

CAPROCK Queen POOL

CHAVES COUNTY, N.M.

1" = 1/8 MILE

APRIL 1957

E.E. KINNEY

W.N.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

CASE NO.

1246

Missing

Large Exhibits

OCD

W.N.M.C.F. MICROGRAPHICS

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