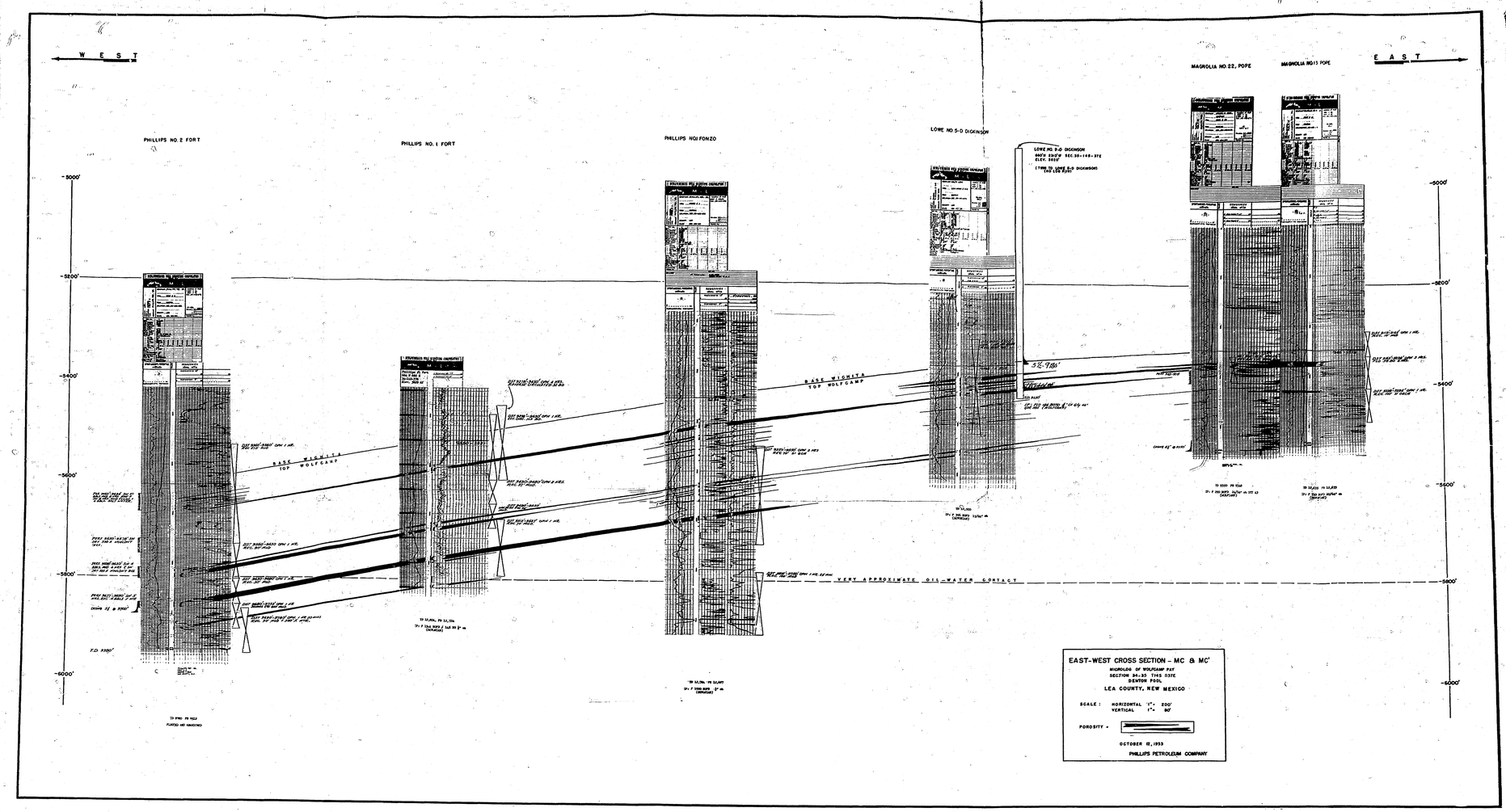
Case No.

556+557

Large Exhibits


WEST
EAST
PHILLIPS NO. 2 FORT
PHILLIPS NO. 1 FORT
PHILLIPS NO1 FONZO
LOWE NO 5-D DICKINSON
MAGNOLIA NO.22, POPE
MAGNOLIA NO13 POPE
-5000'
-5200'
-5400'
-5600'
-5800'
-6000'
BASE WICHITA
TOP WOLFCAMP
VERY APPROXIMATE OIL-WATER CONTACT
T.D. 9980'
EAST-WEST CROSS SECTION - MC & MC'
MICROLOG OF WOLFCAMP PAY
SECTION 24-20 THIS ISSUE
DENTON POOL
LEA COUNTY, NEW MEXICO
SCALE : HORIZONTAL 1" = 200'
VERTICAL 1" = 80'
POROSITY =
OCTOBER 12, 1953
PHILLIPS PETROLEUM COMPANY

WEST

EAST

PHILLIPS NO. 2 FORT
1980' FN.L., 664' FR.W. SEC. 34
14S-37E
ELEV. 3827'

PHILLIPS NO. 1 FORT
664' FR.N. & 660' FR.E. SEC. 34
14S-37E
ELEV. 3828'

PHILLIPS NO. 1 FONZO
660' FR.N & W. LS., 35-14S-37E
ELEV. 3824'

LOWE NO. 5-D DICKINSON
1980' FR.W., 660' FR.N. SECTION 35
14S-37E
ELEV. 3822'

MAGNOLIA NO. 13 POPE
1980' FR.E. & 660' FR.N. SEC. 36
14S-37E
ELEV. 3820

BASE WICHITA-ALBANY
TOP WOLFCAMP

APPROXIMATE OIL-WATER CONTACT

BASE WOLFCAMP
TOP UPPER MISSISSIPPIAN

BASE UPPER MISSISSIPPIAN
TOP LOWER MISSISSIPPIAN

BASE LOWER MISSISSIPPIAN
TOP WOODFORD

BASE WOODFORD
TOP DEVONIAN

-5000'
-5200'
-5400'
-5600'
-5800'
-6000'
-6200'
-6400'
-6600'
-6800'
-7000'
-7200'
-7400'
-7600'
-7800'
-8000'
-8200'
-8400'
-8600'
-8800'
-9000'

EAST-WEST CROSS SECTION - C & C'

SECTIONS 34 & 35 T14S R37E

DENTON POOL

LEA COUNTY, NEW MEXICO

SCALE: HORIZONTAL 1" = 200'
VERTICAL 1" = 200'

OCTOBER 18, 1983

PHILLIPS PETROLEUM COMPANY

MAGNOLIA 16 POPE

MAGNOLIA 4 POPE

PHILLIPS 1 FONZO

LOWE 3-D DICKINSON-A

LOWE 3-D DICKINSON

ATLANTIC 1 FEDERAL-JONES

NORTH

SOUTH

-5000

-5200

-5400

-5600

-5800

-6000

-6200

-6400

-6600

-6800

-7000

-7200

-7400

-7600

-7800

-8000

-8200

-8400

-8600

NORTH & SOUTH CROSS SEC. B-B'

SEC 29-20S-37E & SEC 5-21S-37E

SCANTLIN POOL

LEA COUNTY, NEW MEXICO

SCALE: HORIZONTAL 1" = 200'
VERTICAL 1" = 200'

OCTOBER 21, 1958

PHILLIPS PETROLEUM COMPANY

N O R T H

S O U T H

MAGNOLIA NO. 3 MAXWELL
990' FN & 660' FE EAST
SEC. 27-16S-37E
ELEV. 3931'

MAGNOLIA NO. 1 MAXWELL
660' FN & E L'S
SEC. 27-16S-37E

PHILLIPS PET. NO. 1 FORT
660' FN & E LINES
SEC. 27-16S-37E
ELEV. 3909'

ATLANTIC NO. 3-A DICKINSON
1980' FN & E. 660' F.
SEC. 34-16 S.-37 E.
ELEV. 3922'

ATLANTIC NO. 5 DICKINSON A-34
1980' N. - 330' FE.
SEC. 34-16 S.-37 E.
ELEV. 3925'

ATLANTIC NO. 2 JONES
330' FS & E. LINES
SEC. 35-16S-37E
ELEV. 3926'

-5000'
-5400'
-5800'
-6000'
-6200'
-6400'
-6600'
-6800'
-7000'
-7200'
-7400'
-7600'
-7800'
-8000'
-8200'
-8400'
-8600'
-8800'

BASE WICHITA - ALBANY
TOP WOLFCAMP

BASE WOLFCAMP
TOP UPPER MISSISSIPPIAN

BASE UPPER MISSISSIPPIAN
TOP LOWER MISSISSIPPIAN

BASE LOWER MISSISSIPPIAN
TOP WOODFORD

BASE WOODFORD
TOP DEVONIAN

5000'

WICHITA - ALBANY

BASE WICHITA - ALBANY
TOP WOLFCAMP

WOLFCAMP

VERY APPROXIMATE WOLFCAMP OIL - WATER CONTACT - 7800'

BASE WOLFCAMP
TOP UPPER MISSISSIPPIAN

UPPER MISSISSIPPIAN

BASE UPPER MISSISSIPPIAN-LIME
TOP LOWER MISSISSIPPIAN LIME

LOWER MISSISSIPPIAN LIME

BASE LOWER MISSISSIPPIAN LIME
TOP WOODFORD

WOODFORD

BASE WOODFORD
TOP DEVONIAN

NORTH-SOUTH CROSS SECTION A & A'

SEC 27 & 34 T 16 S R 37 E

DENTON POOL

LEA COUNTY, NEW MEXICO

SCALE:

HORIZONTAL 1" = 200'

VERTICAL 1" = 200'

OCTOBER 12, 1953

PHILLIPS PETROLEUM COMPANY



W E S T

E A S T

PHILLIPS NO. 2 FORT

PHILLIPS NO. 1 FORT

PHILLIPS NO. 1 FONZO

LOWE NO. 5-D DICKINSON

LOWE NO. 9-D DICKINSON
660'N 330'W SEC. 35-14S-37E
ELEV. 3852'

1 MILE SE LOWE NO. 5-D DICKINSON
SAME LOG PLOTS

MAGNOLIA NO. 22, POPE

MAGNOLIA NO. 13 POPE

-5000'

-5200'

-5400'

-5600'

-5800'

-6000'

BASE WICHITA
TOP WOLFCAMP

VERY APPROXIMATE OIL-WATER CONTACT

T.D. 9180'

EAST-WEST CROSS SECTION - MC & MC'

MORROW OF WOLFCAMP PAY
SECTION 34-35 T14S R37E
SEMINOLE POOL
LEA COUNTY, NEW MEXICO

SCALE : HORIZONTAL 1" = 200'
VERTICAL 1" = 40'

FORSITT =

OCTOBER 22, 1953

PHILLIPS PETROLEUM COMPANY

WEST

EAST

PHILLIPS NO. 2 FORT
1980' FR. E, 664' FR. N SEC. 34
14S - 37E
ELEV. 3827'

PHILLIPS NO. 1 FORT
664' FR. N, 660' FR. E SEC. 34
14S - 37E
ELEV. 3825'

PHILLIPS NO. 1 FONZO
660' FR. N & W, SEC. 35-14S-37E
ELEV. 3824'

LOWE NO. 5-D DICKINSON
1980' FR. W, 660' FR. N SEC. 35
14S - 37E
ELEV. 3822'

MAGNOLIA NO. 13 POPE
1980' FR. E, 660' FR. N SEC. 35
14S - 37E
ELEV. 3820'

-5000'
-5200'
-5400'
-5600'
-5800'
-6000'
-6200'
-6400'
-6600'
-6800'
-7000'
-7200'
-7400'
-7600'
-7800'
-8000'
-8200'
-8400'
-8600'
-8800'
-9000'

BASE WICHITA - ALBANY
TOP WOLFCAMP

APPROXIMATE OIL - WATER CONTACT

BASE WOLFCAMP
TOP UPPER MISSISSIPPIAN

BASE UPPER MISSISSIPPIAN
TOP LOWER MISSISSIPPIAN

BASE LOWER MISSISSIPPIAN
TOP WOODFORD

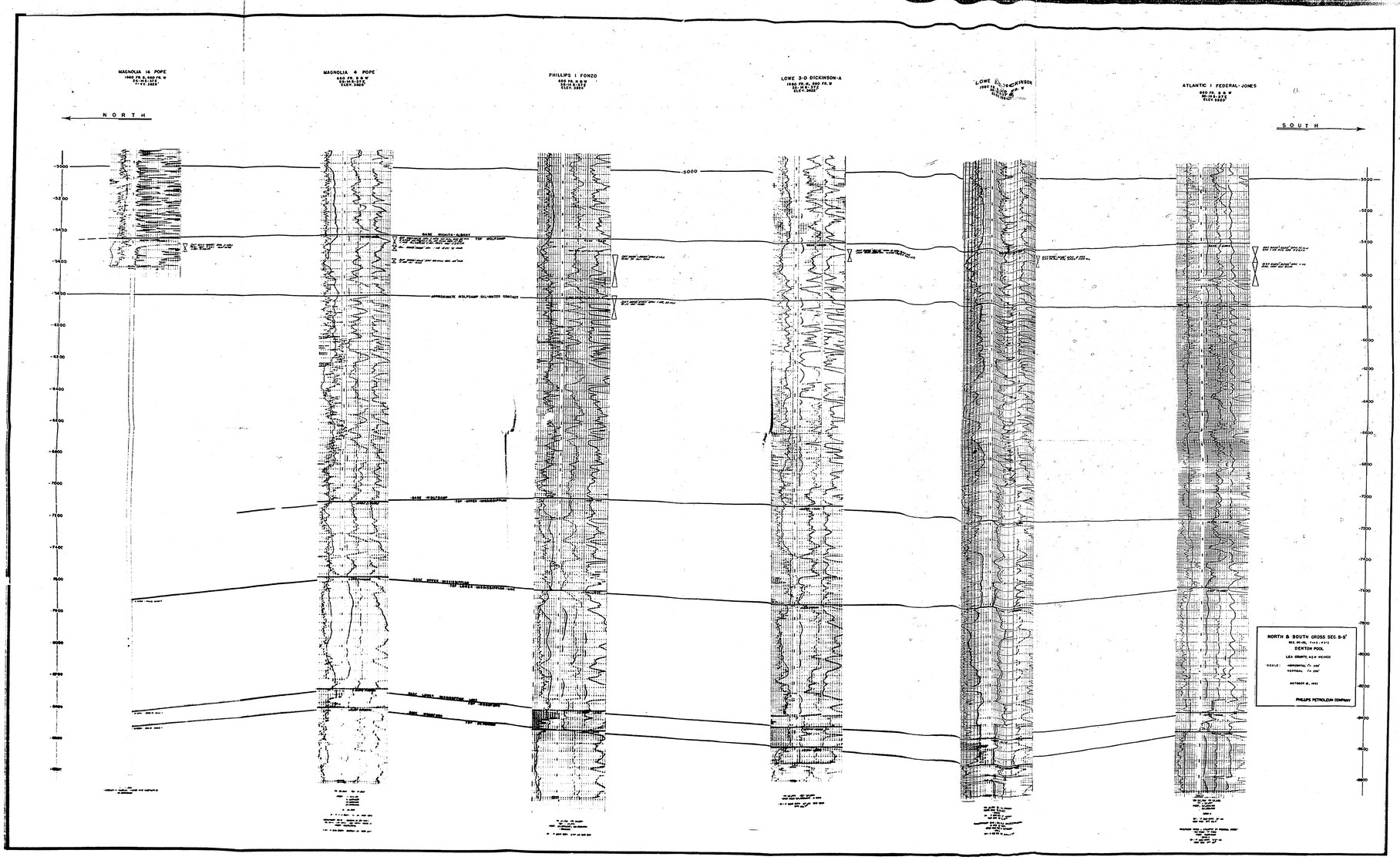
BASE WOODFORD
TOP DEVONIAN

EAST - WEST CROSS SECTION - C & C'
SECTIONS 34 & 35 T14S R37E
DENTON POOL
LEA COUNTY, NEW MEXICO

SCALE : HORIZONTAL 1" = 200'
VERTICAL 1" = 200'

OCTOBER 12, 1953

PHILLIPS PETROLEUM COMPANY


MAGNOLIA 16 POPE
1980 FN & 660 FW W
SEC 29-20S-37E
KB EL 3454
MAGNOLIA 4 POPE
660 FN & W
SEC 29-20S-37E
ELEV 3454
PHILLIPS 1 FONZO
660 FN & W
SEC 29-20S-37E
ELEV 3454
LOWE 3-D DICKINSON-A
1980 FN & 660 FW
SEC 29-20S-37E
ELEV 3460'
LOWE 1 DICKINSON
1980 FS & 660 FW
SEC 29-20S-37E
ELEV 3460'
ATLANTIC 1 FEDERAL-JONES
660 FN & W
SEC 29-20S-37E
ELEV 3460
NORTH
SOUTH
BASE MONTOYA-ALBANY
TOP WOLFCAMP
APPROXIMATE WOLFCAMP OIL-WATER CONTACT
BASE WOLFCAMP
TOP UPPER PENNSYLVANIAN
BASE UPPER PENNSYLVANIAN
TOP LOWER PENNSYLVANIAN LIME
BASE LOWER PENNSYLVANIAN
TOP MORROW
-5000
-5200
-5400
-5600
-5800
-6000
-6200
-6400
-6600
-6800
-7000
-7200
-7400
-7600
-7800
-8000
-8200
-8400
-8600
-8800
-9000
NORTH & SOUTH CROSS SEC B-B'
SEC 29-20S, T-37-E
DENTON POOL
LEA COUNTY, NEW MEXICO
SCALE: HORIZONTAL 1= 200'
VERTICAL 1= 200'
OCTOBER 18, 1955
PHILLIPS PETROLEUM COMPANY

N O R T H

S O U T H

MAGNOLIA NO. 3 MAXWELL
1980' FN. L., 660' FW. EAST
SEC. 27-14S.-37E.
ELEV. 3825'

MAGNOLIA NO. 1 MAXWELL
660' FN. & E. L's
SEC. 27-14S.-37E.

PHILLIPS PET. NO. 1 FORT
660' FS. & E. L.(SEC.)
SEC. 34-14S.-37E.
ELEV. 3822'

ATLANTIC NO. 3-A DICKINSON
1830' FS. & 660' E.
SEC. 34-14 S.-37 E.
ELEV. 3822'

ATLANTIC NO. 2 DICKINSON A-34
1830' FS. & 330' FE. L.
SEC. 34-14S.-37E.
ELEV. 3822'

ATLANTIC NO. 2 JONES
330' FN. & E. L.(SEC.)
SEC. 27-14S.-37E.
ELEV. 3826'

-5000'
-5200'
-5400'
-5600'
-5800'
-6000'
-6200'
-6400'
-6600'
-6800'
-7000'
-7200'
-7400'
-7600'
-7800'
-8000'
-8200'
-8400'
-8600'
-8800'

BASE WICHITA - ALBANY
TOP WOLFCAMP

BASE WOLFCAMP
TOP UPPER MISSISSIPPIAN

BASE UPPER MISSISSIPPIAN
TOP LOWER MISSISSIPPIAN

BASE LOWER MISSISSIPPIAN
TOP WOODFORD

BASE WOODFORD
TOP DEVONIAN

5000'

WICHITA - ALBANY

BASE WICHITA - ALBANY
TOP WOLFCAMP

VERY APPROXIMATE WOLFCAMP OIL-WATER CONTACT - 5800'

WOLFCAMP

BASE WOLFCAMP
TOP UPPER MISSISSIPPIAN

UPPER MISSISSIPPIAN

BASE UPPER MISSISSIPPIAN LIME
TOP LOWER MISSISSIPPIAN LIME

LOWER MISSISSIPPIAN LIME

BASE LOWER MISSISSIPPIAN LIME
TOP WOODFORD

BASE WOODFORD
TOP DEVONIAN

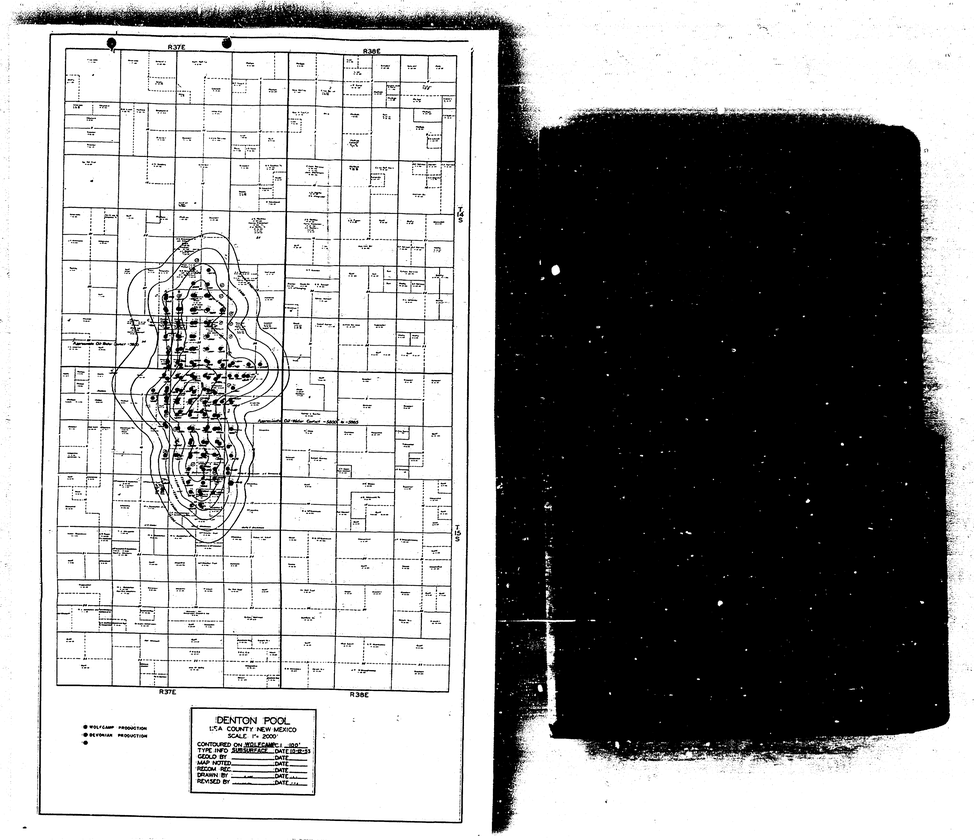
DEVONIAN

NORTH-SOUTH CROSS SECTION A & A'
SEC. 27 & 34 T 14 S R 37 E
DENTON POOL
LEA COUNTY, NEW MEXICO

SCALE -
HORIZONTAL 1" = 200'
VERTICAL 1" = 200'

OCTOBER 12, 1953

PHILLIPS PETROLEUM COMPANY


R37E
R38E
T9S
T10S
R37E
R38E
WOLFCAMP PRODUCTION
DEVONIAN PRODUCTION
DENTON POOL
LEA COUNTY NEW MEXICO
SCALE 1"= 2000'
CONTOURED ON WOLFCAMP (-) 100'
TYPE INFO SUBSURFACE DATE 12-28-51
GEOLO BY _____ DATE _____
MAP NOTED _____ DATE _____
REGOM REC _____ DATE _____
DRAWN BY _____ DATE _____
REVISED BY _____ DATE _____

W E S T

E A S T

PHILLIPS NO. 2 FORT

PHILLIPS NO. 1 FORT

PHILLIPS NO. 1 FONZO

LOWE NO. 5-D DICKINSON

LOWE NO. 9-D DICKINSON
660'N 330'W SEC. 33-16S-37E
ELEV. 3955'
(TYPE OF LOWE NO. 5-D DICKINSON)
TOP WOLFCAMP -9180

MAGNOLIA NO. 22, POPE

MAGNOLIA NO. 13 POPE

-5000'

-5200'

-5400'

-5600'

-5800'

-6000'

BASE WOLFCAMP
TOP WOLFCAMP

VERY APPROXIMATE OIL-WATER CONTACT

T.D. 9780'

EAST-WEST CROSS SECTION - MC & MC'

MICROLOG OF WOLFCAMP PAY
SECTION 34-33 THIS ROYE
DENTON POOL
LEA COUNTY, NEW MEXICO

SCALE : HORIZONTAL 1" = 200'
VERTICAL 1" = 80'

POROSITY =

OCTOBER 12, 1953

PHILLIPS PETROLEUM COMPANY

WEST

EAST

PHILLIPS NO. 2 FORT
1980' FR. E, 660' FR. S SEC. 34
14S - 37E
ELEV. 3825'

PHILLIPS NO. 1 FORT
660' FR. N, 660' FR. E SEC. 34
14S - 37E
ELEV. 3825'

PHILLIPS NO. 1 FONZO
660' FR. N & W, SE-14S-37E
ELEV. 3826'

LOWE NO. 5-D DICKINSON
1980' FR. W, 660' FR. N SECTION 35
14S - 37E
ELEV. 3821'

MAGNOLIA NO. 15 POPE
1980' FR. E, 660' FR. N SEC. 35
14S - 37E
ELEV. 3827'

-5000'
-5200'
-5400'
-5600'
-5800'
-6000'
-6200'
-6400'
-6600'
-6800'
-7000'
-7200'
-7400'
-7600'
-7800'
-8000'
-8200'
-8400'
-8600'
-8800'
-9000'

BASE WICHITA-ALBANY
TOP WOLFCAMP

APPROXIMATE OIL-WATER CONTACT

BASE WOLFCAMP
TOP UPPER MISSISSIPPIAN

BASE UPPER MISSISSIPPIAN
TOP LOWER MISSISSIPPIAN

BASE LOWER MISSISSIPPIAN
TOP WOODFORD

BASE WOODFORD
TOP DEVONIAN

EAST-WEST CROSS SECTION - C & C'
SECTIONS 34 & 35 T14S R37E
DENTON POOL
LEA COUNTY, NEW MEXICO

SCALE: HORIZONTAL 1" = 200'
VERTICAL 1" = 200'

OCTOBER 16, 1953

PHILLIPS PETROLEUM COMPANY

MAGNOLIA 16 POPE

MAGNOLIA 4 POPE

PHILLIPS 1 FONZO

LOWE 3-D DICKINSON-A

LOWE 2-D DICKINSON

ATLANTIC 1 FEDERAL-JONES

NORTH

SOUTH

-5000
-5200
-5400
-5600
-5800
-6000
-6200
-6400
-6600
-6800
-7000
-7200
-7400
-7600
-7800
-8000
-8200
-8400
-8600
-8800

BASE MISSISSIPPIAN TOP DEVONIAN

APPROXIMATE WOLFCAMP OIL-WATER CONTACT

BASE WOLFCAMP TOP UPPER PENNSYLVANIAN

BASE UPPER PENNSYLVANIAN TOP LOWER PENNSYLVANIAN

BASE LOWER PENNSYLVANIAN TOP MISSISSIPPIAN

NORTH & SOUTH CROSS SEC. B-B'

BENTON POOL

LEA COUNTY, NEW MEXICO

PHILLIPS PETROLEUM COMPANY

N O R T H

S O U T H

MAGNOLIA NO. 3 MAXWELL
660' FN & 660' FW SEC. 27-16S-37E
ELEV. 3931'

MAGNOLIA NO. 1 MAXWELL
660' FN & E LINES
SEC. 27-16S-37E

PHILLIPS PET. NO. 1 FORT
660' FS & E LINES
SEC. 27-16S-37E
ELEV. 3838'

ATLANTIC NO. 3-A DICKINSON
1980' FN & E. 660' F.
SEC. 27-16S-37E
ELEV. 3832'

ATLANTIC NO. 2 DICKINSON A-34
1830' FS & E. 330' FE. C.
SEC. 34-16S-37E
ELEV. 3803'

ATLANTIC NO. 2 JONES
660' FN & W. LINES
SEC. 35-16S-37E
ELEV. 3828'

-5000'
-5200'
-5400'
-5600'
-5800'
-6000'
-6200'
-6400'
-6600'
-6800'
-7000'
-7200'
-7400'
-7600'
-7800'
-8000'
-8200'
-8400'
-8600'
-8800'

BASE WICHITA - ALBANY
TOP WOLFCAMP

BASE WOLFCAMP
TOP UPPER MISSISSIPPIAN

BASE UPPER MISSISSIPPIAN
TOP LOWER MISSISSIPPIAN

BASE LOWER MISSISSIPPIAN
TOP WOODFORD

BASE WOODFORD
TOP DEVONIAN

5000'

VERY APPROXIMATE WOLFCAMP OIL - WATER CONTACT - 5000'

WICHITA - ALBANY

UPPER MISSISSIPPIAN

LOWER MISSISSIPPIAN LIME

BASE UPPER MISSISSIPPIAN LIME
TOP LOWER MISSISSIPPIAN LIME

NORTH-SOUTH CROSS SECTION A & A'

SEC. 27 & 34 T 16 S R 37 E

DENTON POOL

LEA COUNTY, NEW MEXICO

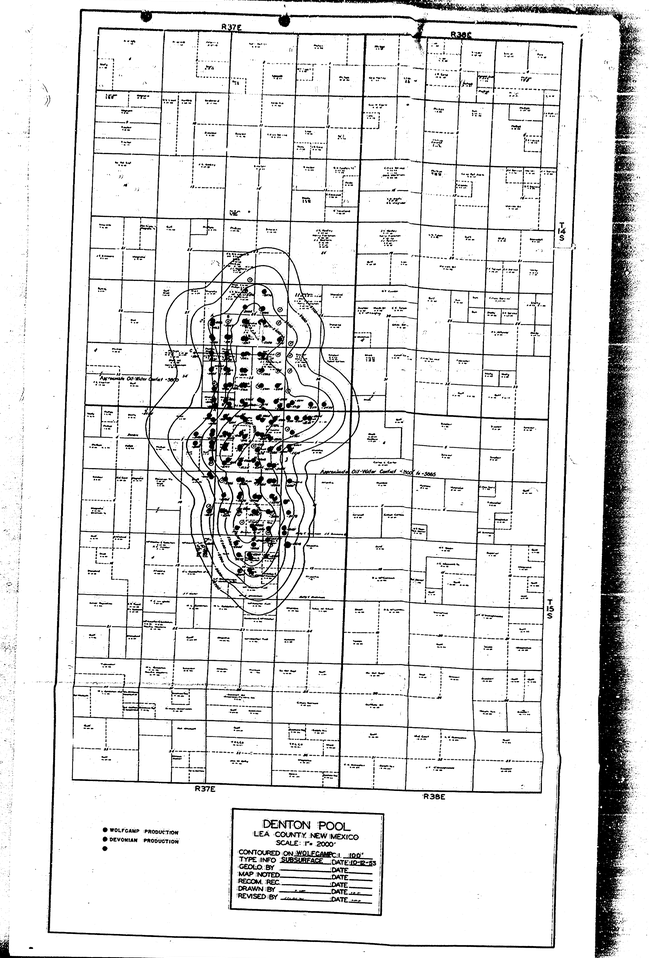
SCALE -

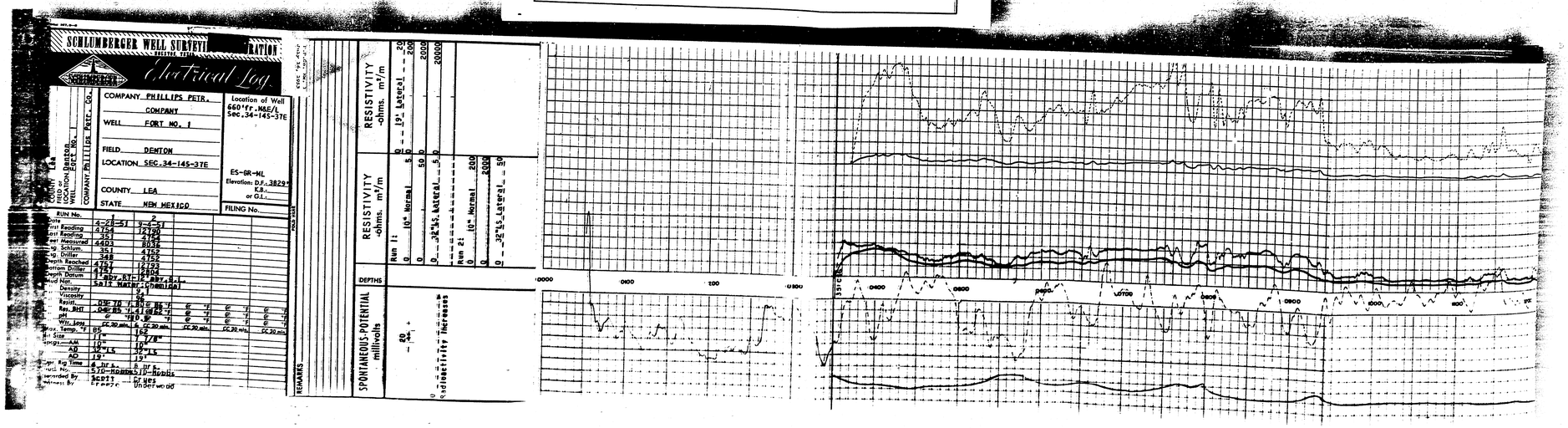
HORIZONTAL 1" = 200'

VERTICAL 1" = 200'

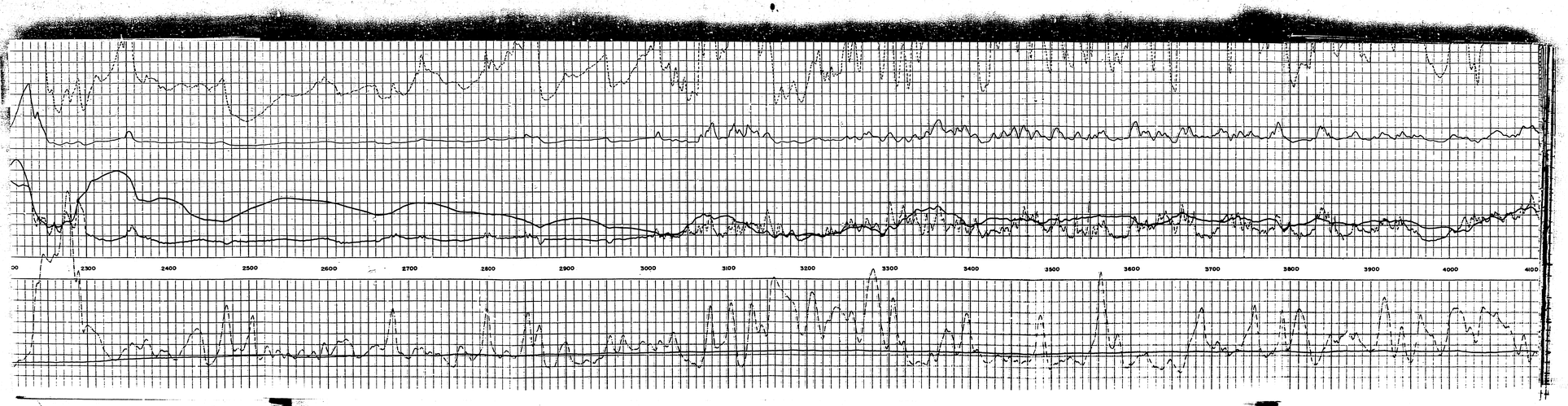
OCTOBER 12, 1953

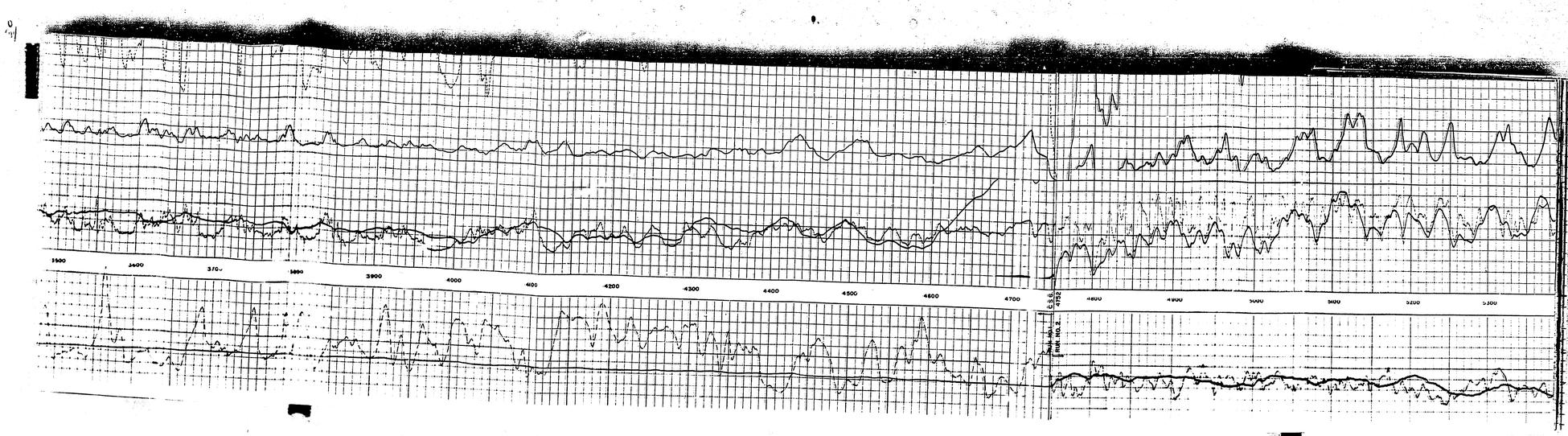
PHILLIPS PETROLEUM COMPANY


R37E
R38E
T 14 S
T 15 S
Approximate Oil-Water Contact -3900 ft
Approximate Oil-Water Contact -3965 ft
● WOLFCAMP PRODUCTION
● DEVONIAN PRODUCTION
DENTON POOL
LEA COUNTY, NEW MEXICO
SCALE 1" = 2000'
CONTOURED ON WOLFCAMP
TYPE INFO SUBSURFACE DATE 12-2-53
GEOLO BY DATE
MAP NOTED DATE
RECOM. REC DATE
DRAWN BY DATE
REVISED BY DATE

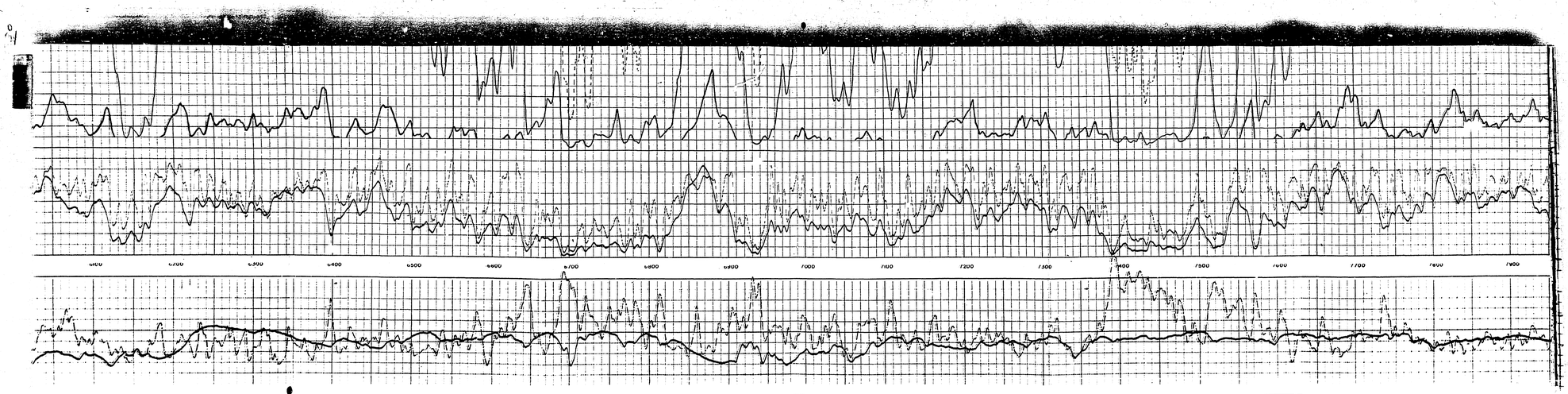

SCHLUMBERGER WELL SURVEYING CORPORATION
Electrical Log
COMPANY PHILLIPS PETR. COMPANY
WELL FORT NO. 1
FIELD DENTON
LOCATION SEC. 34-14S-37E
COUNTY LEA
STATE NEW MEXICO
Location of Well
660'FNL & E/L
Sec. 34-14S-37E
ES-GR-ML
Elevation: D.F. 3829'
K.B.
or G.L.
FILING No.
RESISTIVITY -ohms. m²/m
Run 1: 16" Normal
Run 2: 16" Normal
32'6" Lateral
SPONTANEOUS-POTENTIAL millivolts
Radioactivity Increases
DEPTHS
REMARKS
RUN No. 1 2
Date 4-28-51 9-4-51
First Reading 4754 12190
Last Reading 35 4726
Per Measured 4403 8036
Log Schlum. 35 4752
Log Driller 348 4755
Depth Reached 4754 12193
Bottom Driller 4754 12804
Depth Datum 1 abv. RT 12 abv. G.L.
Fluid Nat. Salt Water Chemical
Density
Viscosity
Resist.
Res. Mat
pH
Fluid Loss
Rec. Temp. °F 85 152
Bit Size 11" 7 7/8"
Casing—AA 10" 10"
AD 10"@ 1.5 7"@ 1.5
AC 13" 13"
Type Rig Time 6 hr &. 8 hr &.
Truck No. 570-Hobbs 10-Hobbs
Recorded By Scott Draper
Witnessed By Mr. Yes Understood

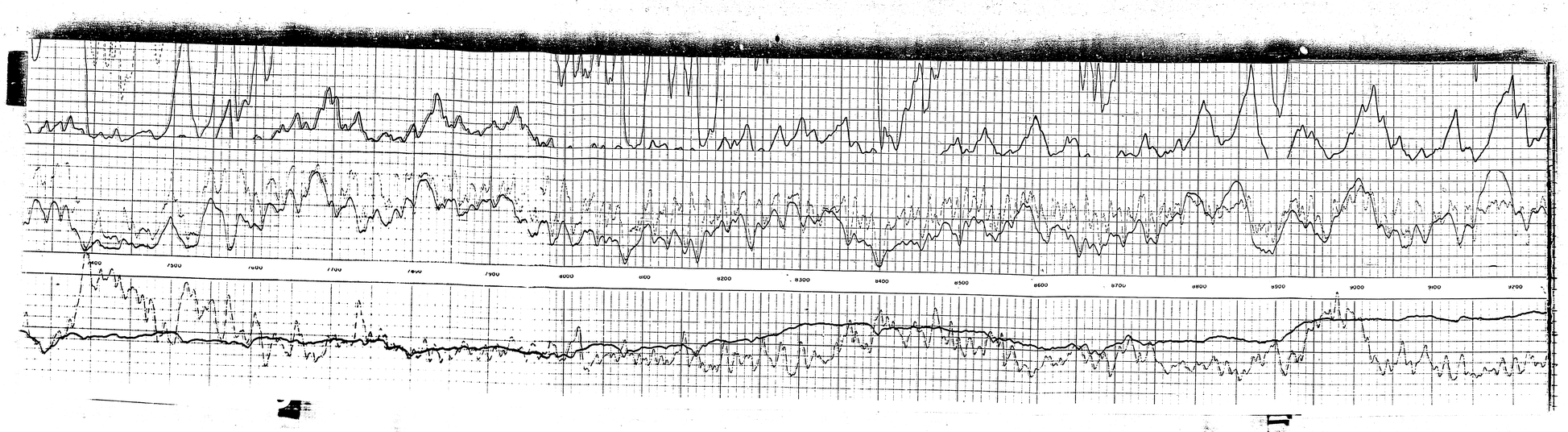

1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800


2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

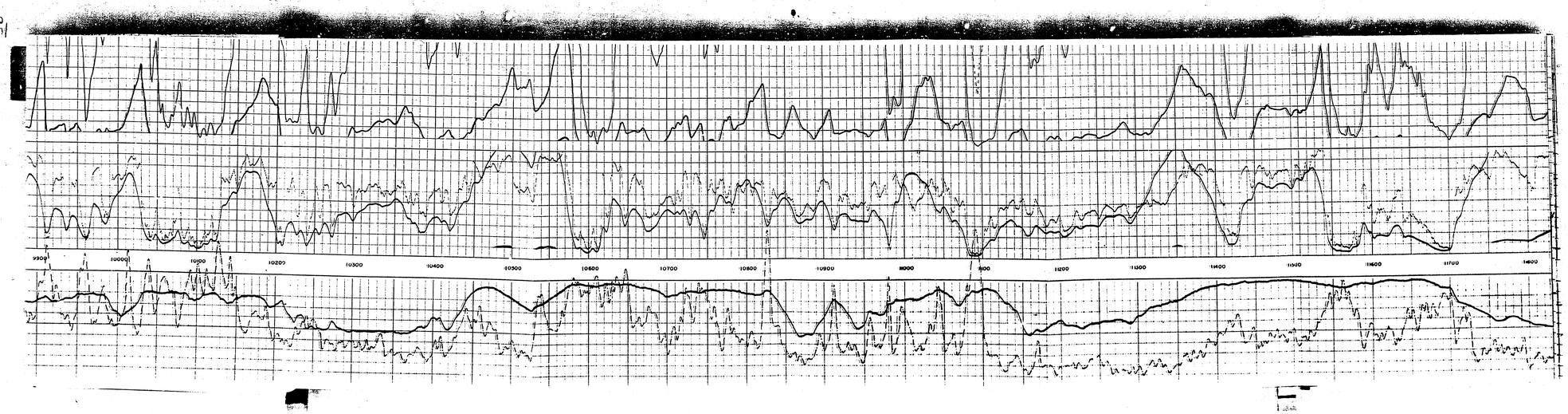

3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900
5000
5100
5200
5300
Ch 1 50 µ
Ch 2 50 µ
Ch 3 50 µ
Ch 4 50 µ
Ch 5 50 µ
Ch 6 50 µ
Ch 7 50 µ
Ch 8 50 µ
Ch 9 50 µ
Ch 10 50 µ
Ch

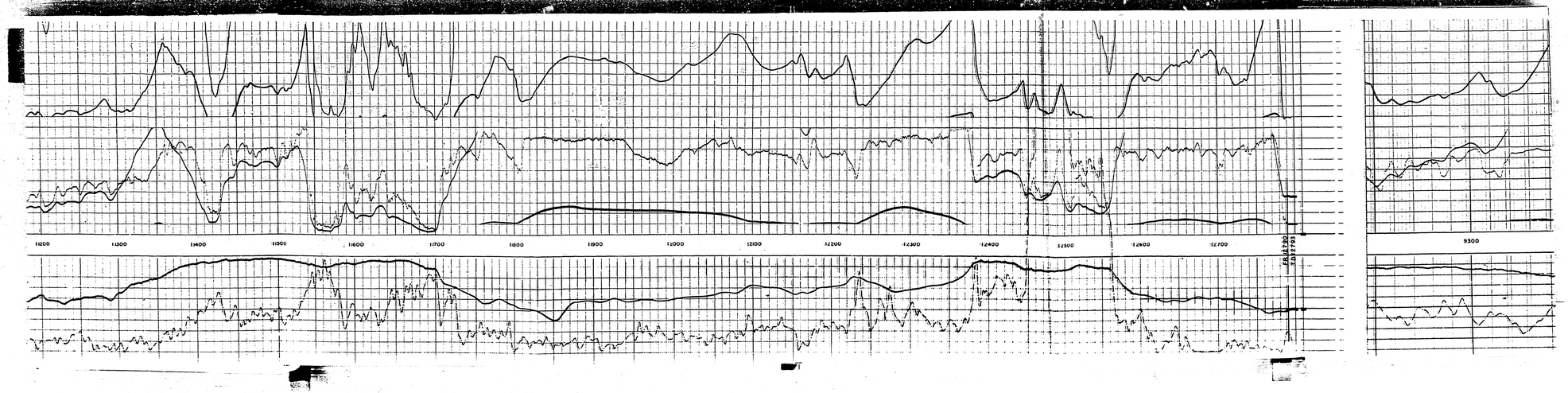

4800
4900
5000
5100
5200
5300
5400
5500
5600
5700
5800
5900
6000
6100
6200
6300
6400
6500
6600
RUN NO. 1
RUN NO. 2

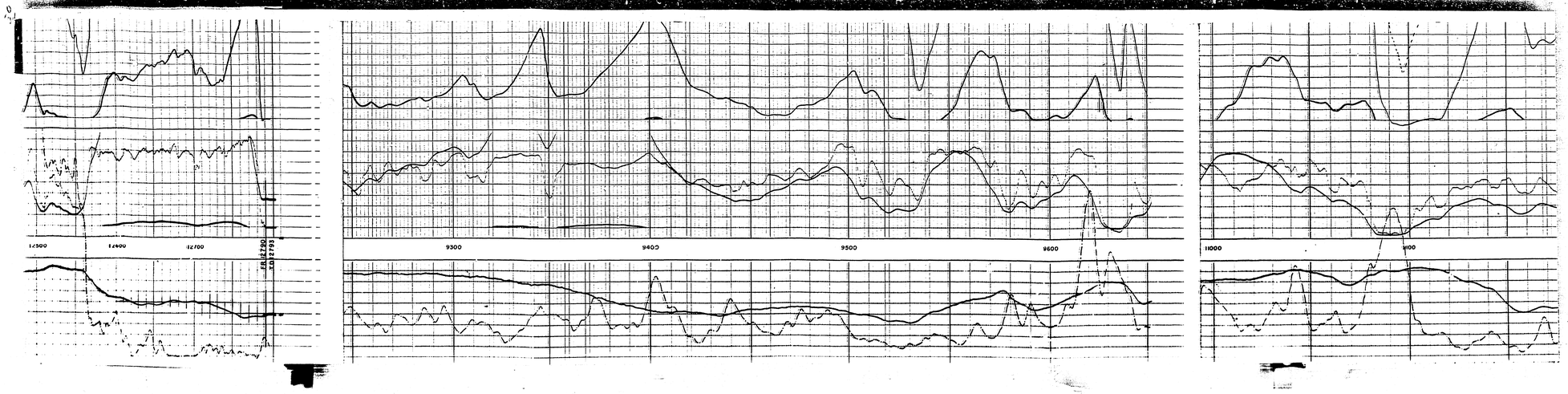







9900
10000
10100
10200
10300
10400
10500
10600
10700
10800
10900
11000
11100
11200
11300
11400
11500
11600
11700
11800


11200
11300
11400
11500
11600
11700
11800
11900
12000
12100
12200
12300
12400
12500
12600
12700
9300


12500
12600
12700
9300
9400
9500
9600
11000
1100

11000
11100
11200
12600
12700
12790
12793
SCHLUMBERGER WELL SURVEYING CORPORATION
MICROLOGGING (R)
93

SCHLUMBERGER WELL SURVEYING CORPORATION
MICROLOGGING
Microinverse-AOmo1.5"
Micronormal AMmo2"
30
30
0
9000
9100
9200
9300
9400
9500
9600
9700
9800
9900
10000
ER 12780
TD 12793

9600

10900 1100 11200

12600 12700 12793 12760

PHILLIPS PETROLEUM CO.
PORT NO. 2
REMUDA FIELD
LEA COUNTY, NEW MEXICO

NORTH

SOUTH

MAGNOLIA NO. 3 MAXWELL
1647' FN & 660' FE of Sec.
SEC 27-14S-37E
ELEV 3931'

MAGNOLIA NO. 1 MAXWELL
660' FN & E L'S
SEC 27-14S-37E.

PHILLIPS PET. NO. 1 FORT
660' FN & W L' LINES
SEC 26-14S-37E.
ELEV. 3898'

ATLANTIC NO. 3-A DICKINSON
660' FN & W 660' E.
SEC 34-14S-37 E.
ELEV 3923'

ATLANTIC NO. 2 DICKINSON A-34
660' FN & E 660' FE
SEC. 34-14S-37E
ELEV 3923'

ATLANTIC NO. 2 JONES
330' FN & W & E LINES
SEC. 26-14S-37E
ELEV. 3932'

-3000'
-3500'
-4000'
-4500'
-5000'
-5500'
-6000'
-6500'
-7000'
-7500'
-8000'
-8500'
-9000'
-9500'
-10000'

BASE WICHITA - ALBANY
TOP WOLFCAMP

BASE WOLFCAMP
TOP UPPER MISSISSIPPIAN

BASE UPPER MISSISSIPPIAN
TOP LOWER MISSISSIPPIAN

BASE LOWER MISSISSIPPIAN
TOP WOODFORD

BASE WOODFORD
TOP DEVONIAN

VERY APPROXIMATE WOLFCAMP OIL-WATER CONTACT - -9200'

DENTON

BASE UPPER MISSISSIPPIAN LIME
TOP LOWER MISSISSIPPIAN LIME

BASE LOWER MISSISSIPPIAN LIME
TOP WOODFORD

BASE WOODFORD
TOP DEVONIAN

NORTH-SOUTH CROSS SECTION A-B-A'

SEC 27-14-37 T 14S R 37E
DENTON POOL
LEA COUNTY, NEW MEXICO

SCALE -
HORIZONTAL 1" = 1000'
VERTICAL 1" = 200'

OCTOBER 31, 1952

PHILLIPS PETROLEUM COMPANY

MAGNOLIA 16 POPE
1980 FN. & 660 FW. M
SEC. 34-T25S-R37E
ELEV. 3005'

MAGNOLIA 4 POPE
660 FN. & W. M
SEC. 34-T25S-R37E
ELEV. 3028'

PHILLIPS 1 FONZO
660 FS. & W. M
SEC. 34-T25S-R37E
ELEV. 3042'

LOWE 3-D DICKINSON-A
1980 FS. & 660 FW. M
SEC. 34-T25S-R37E
ELEV. 3052'

LOWE 2-D DICKINSON
1980 FS. & 660 FW. M
SEC. 34-T25S-R37E
ELEV. 3050'

ATLANTIC 1 FEDERAL-JONES
660 FN. & E. M
SEC. 34-T25S-R37E
ELEV. 3050'

NORTH

SOUTH

BASE WOLFCAMP

TOP UPPER PENNSYLVANIAN

BASE UPPER PENNSYLVANIAN
TOP LOWER PENNSYLVANIAN LIME

BASE LOWER PENNSYLVANIAN
TOP MISSISSIPPIAN

BASE MISSISSIPPIAN
TOP DEVONIAN

NORTH & SOUTH CROSS SECTION B-B'
SEC. 34-25S-37E
DENTON POOL
LEA COUNTY, NEW MEXICO
SCALE: HORIZONTAL 1" = 200'
VERTICAL 1" = 200'
OCTOBER 15, 1953
PHILLIPS PETROLEUM COMPANY

WEST

PHILLIPS NO. 2 FORT
1980' FR. E, 660' FR. N SEC. 34
14S - 37E
ELEV. 3807'

PHILLIPS NO. 1 FORT
660' FR. N, 660' FR. E SEC. 34
14S - 37E
ELEV. 3819'

PHILLIPS NO. 1 FONZO
660' FR. N & W, 33-14S-37E
ELEV. 3824'

LOWE NO. 5-D DICKINSON
1980' FR. W, 660' FR. N SECTION 33
14S - 37E
ELEV. 3822'

MAGNOLIA NO. 13 POPE
1980' FR. E, 660' FR. N SEC. 33
14S - 37E
ELEV. 3820

-5000'
-5200'
-5400'
-5600'
-5800'
-6000'
-6200'
-6400'
-6600'
-6800'
-7000'
-7200'
-7400'
-7600'
-7800'
-8000'
-8200'
-8400'
-8600'
-8800'
-9000'

BASE WICHITA — ALBANY
TOP WOLFCAMP

APPROXIMATE OIL—WATER CONTACT

BASE WOLFCAMP
TOP UPPER MISSISSIPPIAN

BASE UPPER MISSISSIPPIAN
TOP LOWER MISSISSIPPIAN

BASE LOWER MISSISSIPPIAN
TOP MCCRACKEN

BASE MCCRACKEN
TOP DEVONIAN

EAST-WEST CROSS SECTION - C & C'
SECTIONS 34 & 33 T14S R37E
DENTON POOL
LEA COUNTY, NEW MEXICO

SCALE: HORIZONTAL 1" = 200'
VERTICAL 1" = 200'

OCTOBER 18, 1955

PHILLIPS PETROLEUM COMPANY

W E S T

E A S T

PHILLIPS NO. 2 FORT.

PHILLIPS NO. 1 FORT

PHILLIPS RIGFORZO

LOWE NO. 5-D DICKINSON

LOWE NO. 5-D DICKINSON
660'N 1980'W SEC. 22-14S-37E
ELEV. 3959'
(TIED TO LOWE 5-D DICKINSON
NO. 1 WELL)

MAGNOLIA NO. 22, POPE

MAGNOLIA NO. 13 POPE

-5000'

-5200'

-5400'

-5600'

-5800'

-6000'

BASE WICHITA
TOP WOLFCAMP

VERY APPROXIMATE OIL-WATER CONTACT

T.D. 5780'

EAST-WEST CROSS SECTION - MC & MC'

MICROLOG OF WOLFCAMP PAY
SECTION 34-13S-37E
DENTON POOL
LEA COUNTY, NEW MEXICO

SCALE: HORIZONTAL 1"= 200'
VERTICAL 1"= 50'

POROSITY =

OCTOBER 12, 1962

PHILLIPS PETROLEUM COMPANY