Case No.

261

Large Exhibits

SCHLUMBERGER WELL SURVEYING CORPORATION
HOUSTON, TEXAS

Electrical Log

COMPANY CITIES SERVICE OIL
COMPANY
WELL STATE S-3
FIELD NO. BRUNSON
LOCATION SEC. 15-21S-37E
COUNTY LEA
STATE NEW MEXICO

Location of Well
3375' fr S/L
3225' fr E/L
Sec. 15-21S-37E

Cf 2 Case 326

Elevation: D.F. 3447'
K.B.:
or G.L.:

FILING No.

COUNTY Lea
FIELD or LOCATION No. Brunson
WELL State S-3
COMPANY Cities Serv. Oil Co.

RUN No.	1									
Date	2-4-51									
First Reading	3027									
Last Reading	2806									
Feet Measured	5221									
Csg. Schlum.	2806									
Csg. Driller	2800									
Depth Reached	8030									
Bottom Driller	8034									
Depth Datum	RT - 13.1'aby.G.L.									
Mud Not.	Caustic Obr.									
" Density	10.2									
" Viscosity	44									
" Resist.	1.02@ 65 °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	.48@110 °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F
" pH	10.5@ °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	6 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Max. Temp. °F	110									
Bit Size	6 3/4"									
Spcgs.—AM	10'									
A 0	32"LS									
AO	19'									
Opr. Rig Time	4½ hrs.									
Truck No.	504-Hobbs									
Recorded By	Young									
Witness By										

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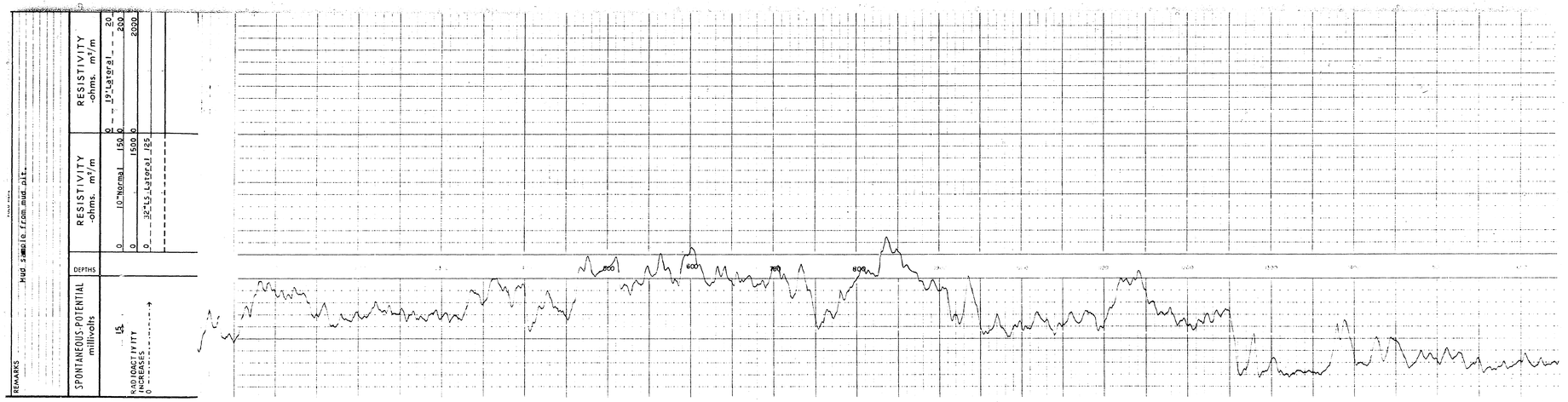
RESISTIVITY
-ohms. m²/m
0 -- 19"Lateral -- 20
200
2000
0
10"Normal 150
1500
0
32"LS Lateral 125
DEPTHS
SPONTANEOUS POTENTIAL
millivolts
15
RADIOACTIVITY
INCREASES
0
REMARKS
Mud sample from mud pit.
600
700
800

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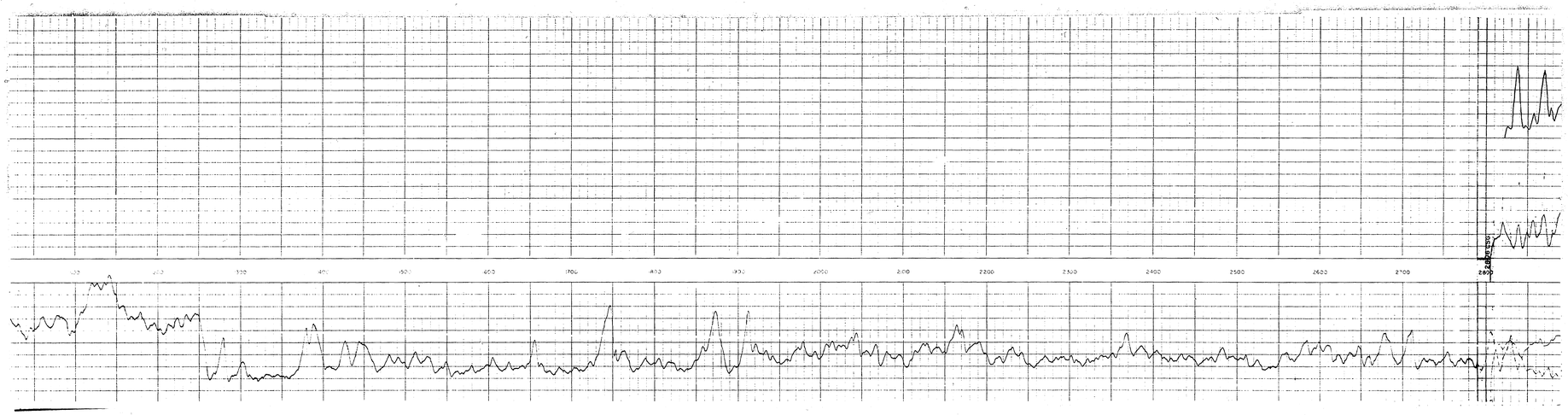
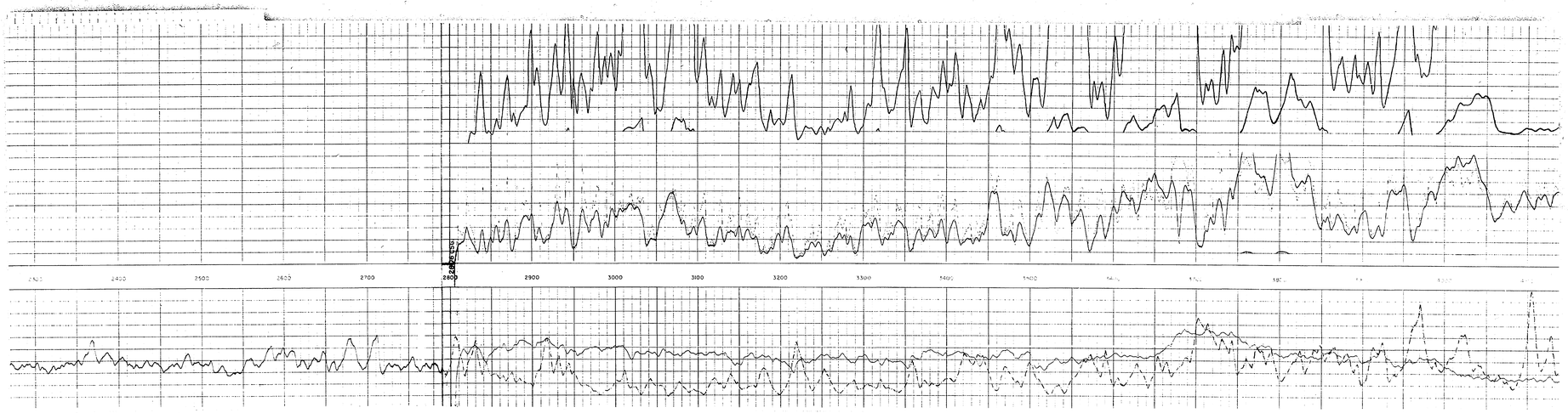
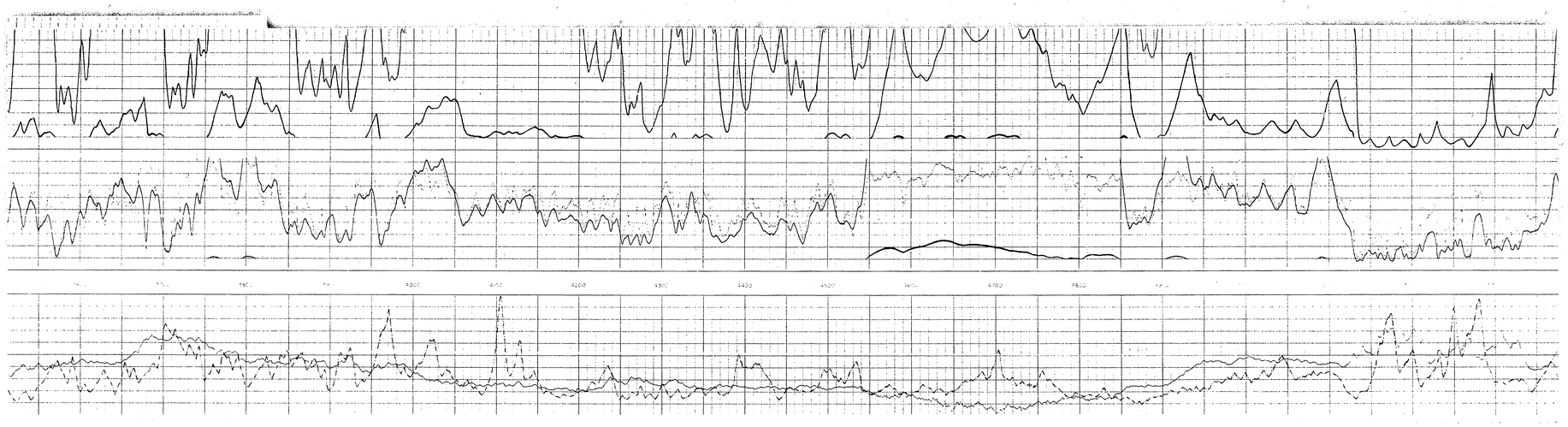
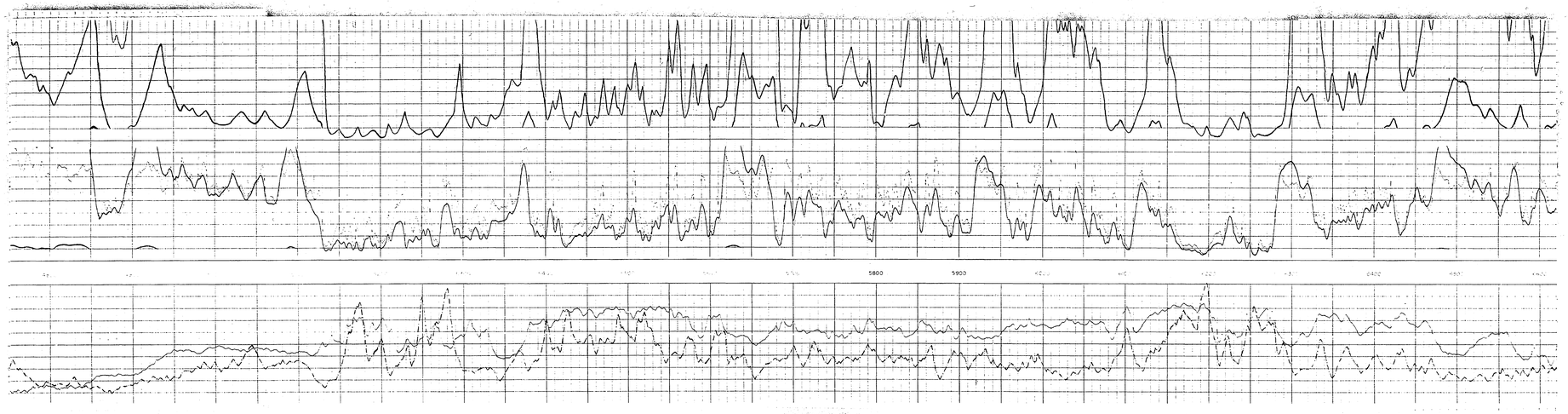

100
200
300
400
500
600
700
800
900
1000
2000
2100
2200
2300
2400
2500
2600
2700
2800
2400 1500

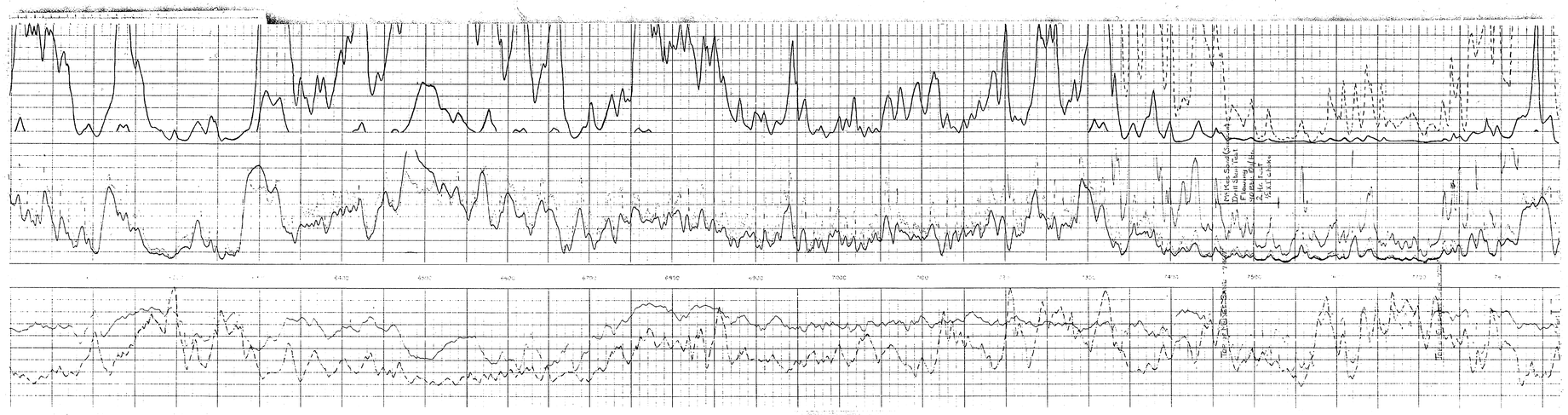
328

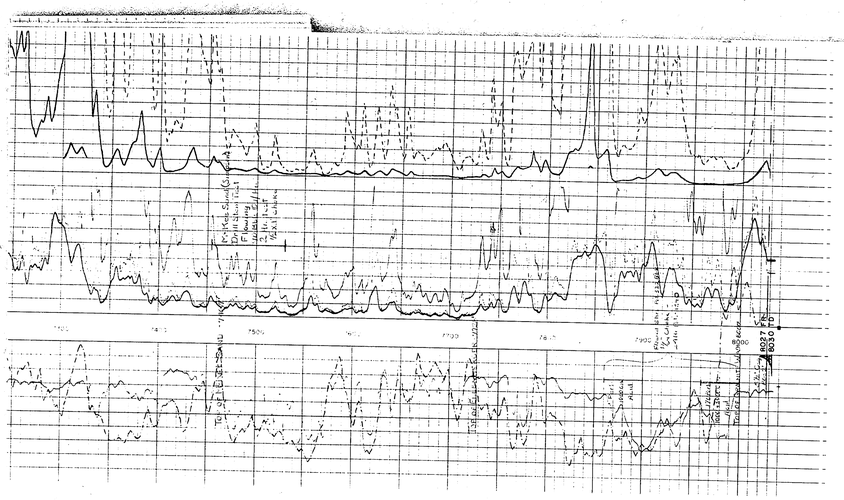

2400
2500
2600
2700
2800
2900
3000
3100
3200
1300
1400
1500



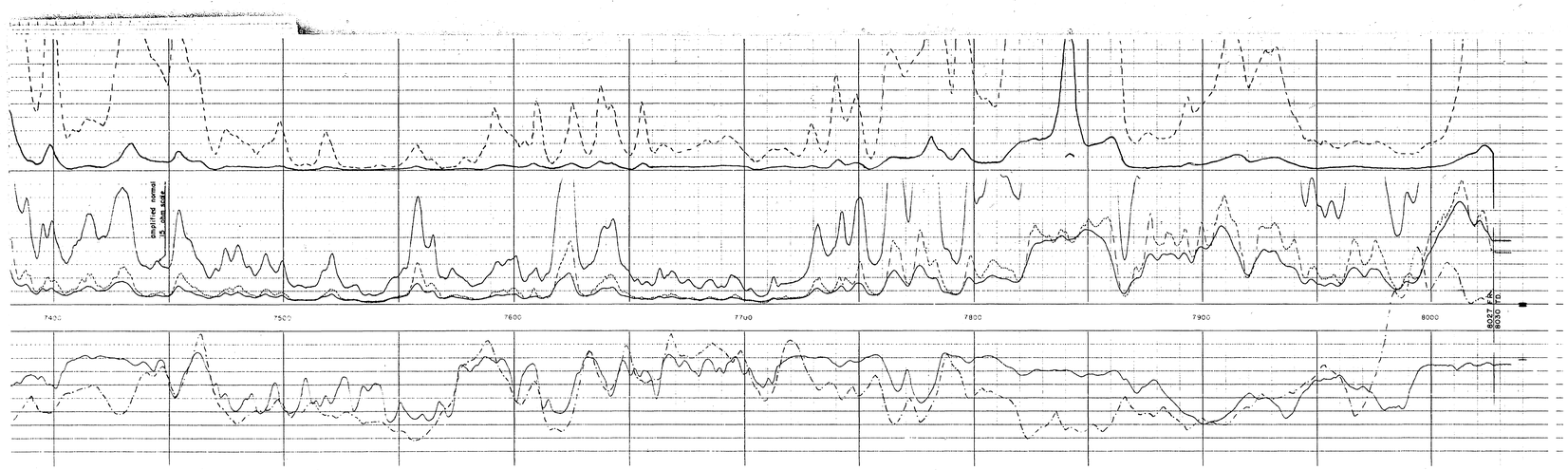
330


5800
5900




RESISTIVITY
-ohms. m²/m.
RESISTIVITY
-ohms. m²/m.
amplified normal
to same scale
DEPTHS
7300
7400
7500
7600
SPONTANEOUS POTENTIAL
millivolts
RADIOACTIVITY
INCREASES

333



CITIES SERVICE OIL CO.
STATE "A"
NO. 1 BRUNSON
LEA COUNTY, NEW MEXICO

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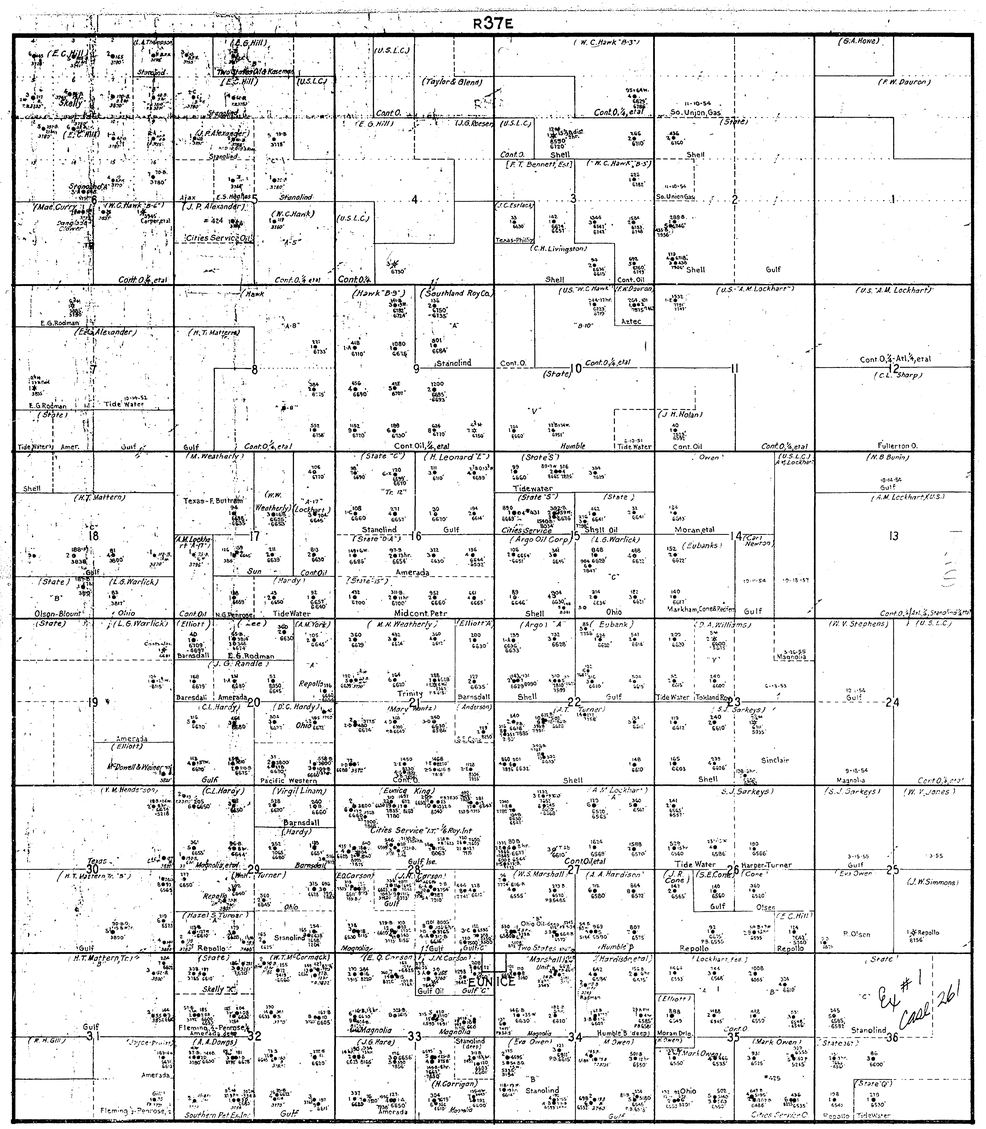
R37E
Stanolind
Shell
Ajax
Cities Service Oil
Cont. O. & etal
Texas-Phillips
Gulf
Tide Water
Amer.
Humble
Cont. Oil
Texas-F. Buttram
Sun
Cont. Oil
Tide Water
Amerada
Midcont. Petr.
Ohio
Pacific Western
Barnsdall
Mc Donald, etal
Repollo
Skelly "C"
Fleming & Penrose
Southern Pet. Exp. Inc.
Magnolia
Moran, etal
Moran Drlg.
Mark Owen
Cities Service Co.
Sinclair
Harper-Turner
Olsen
Tidewater
Owen
Astec
Marshall Oil
Two States Inc.
Humble Pipe Line
Gulf Oil
Trinity
Corrigan
Era Owen
Stanolind (dev.)
Southland Royalty Co.
Taylor & Olene
So. Union Gas
Lockhart Tex.
Fullerton O.
Cont. O. & Atl. & etal
Cont. O. & Stanolind & etal
Cont. O. & Repollo etal
Cont. O. & Magnolia etal
Cont. O. & Harper-Turner etal
Cont. O. & Tidewater
Cont. O. & Moran etal
Cont. O. & Sinclair
Cont. O. & Mark Owen
Cont. O. & Era Owen
Cont. O. & Gulf
Cont. O. & Shell
Cont. O. & Ohio
Cont. O. & Amerada
Cont. O. & Tide Water
Cont. O. & Texas-Phillips
Cont. O. & Cont. Oil
Cont. O. & Cities Service
Cont. O. & Stanolind
Cont. O. & Texas-F. Buttram
Cont. O. & Sun
Cont. O. & Cont. Oil
Cont. O. & Tide Water
Cont. O. & Amerada
Cont. O. & Midcont. Petr.
Cont. O. & Ohio
Cont. O. & Pacific Western
Cont. O. & Barnsdall
Cont. O. & Mc Donald, etal
Cont. O. & Repollo
Cont. O. & Skelly "C"
Cont. O. & Fleming & Penrose
Cont. O. & Southern Pet. Exp. Inc.
Cont. O. & Magnolia