

LEASE

WELL NO.

TEST NO.

COMPANY

DISTRICT

LOCATION 16-28S-4E
 FIELD Augusta
 COUNTY Butler
 STATE Kansas



HALLIBURTON
OIL WELL CEMENTING CO.

Date 4-10-54
 Ticket No. 00041
 HOWCO DISTRICT Winfield

CONTRACTOR White & Ellis Drlg. Co.
 MUD DATA

HOLE AND TOOL DATA

| | | | |
|---------------------|---------|-----------------------|-------------------|
| Total Depth | 2459' | Casing Perforations | Top - Bottom - |
| Top Packer Depth | 2445' | Bottom Packer Depth | - |
| Casing or Hole Size | 7 7/8" | Liner or Rathole Size | - |
| Formation Tested | Simpson | | |

Kind of Job Open Hole
 Price \$215.00
 Second Packer Assembly -
 Safety Joint -
 Extra Folder Charge -
 Jars -

Kind Magcogel
 Weight 9.4 lbs.-gal.
 Viscosity 36 Sec.
 Filter Loss - c. c. Filter Cake - in.
 Est. Gauge Depth Temp. 100 F°

| | | | | |
|------------------------|--------|--------------------|--------------------|--------|
| Size Drill Pipe | 3 1/2" | Modified | Size Drill Collars | 5 3/4" |
| Size Bottom Choke | 5/8" | Size Surface Choke | 1/4" | |
| Size Hook Wall Packer | - | Size Rings | No. Rings | - |
| Size D. E. Wall Packer | 6 3/4" | No. Packers | 1 | |

Total \$215.00
 Witnessed By Bill James
 Tester Joe Oliver

Time Tool Open 30 Minutes
 Time Closed In. 20 Minutes
 Depth BT. Gauge 2447'
 P.R.D. No. 312 Blanked Off No

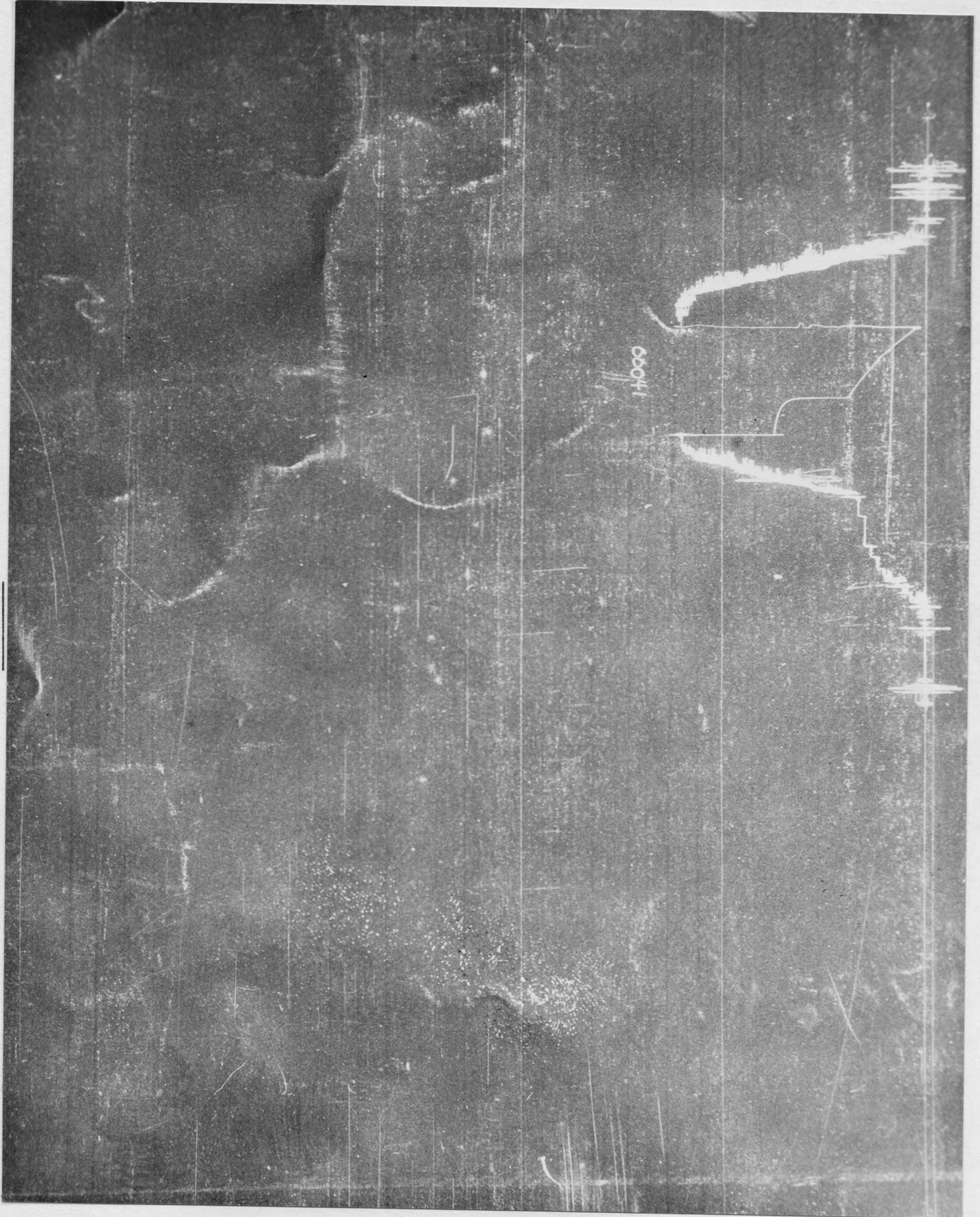
REMARKS:
 Size & Length Anchor 3 1/2" F.J. x 14'
 PRD Device No. 1860 Depth 2459' Blanked Off Yes
 Tool opened with a very strong blow. Recovered 150' of oil, 230' of oil and muddy water, and 520' of water.

Amount of Cushion None
 All depths measured from Kelly Bushing
 No. Folders Reproduced 3

Pressure Readings Field Office Corrected
 Initial Hydro Mud Pressure 1205 p.s.i.
 Initial Flow Pres. 38 p.s.i.
 Final Flow Pres. 390 p.s.i.
 Closed in Pres. 751 p.s.i.
 Final Hydro Mud Pressure 1200 p.s.i.

12 Hr. Clock No. 1552
 Howco 893-RZ 30M 7-53 199M

PRESSURE



Each Horizontal Line Equal to 1000 p.s.i.