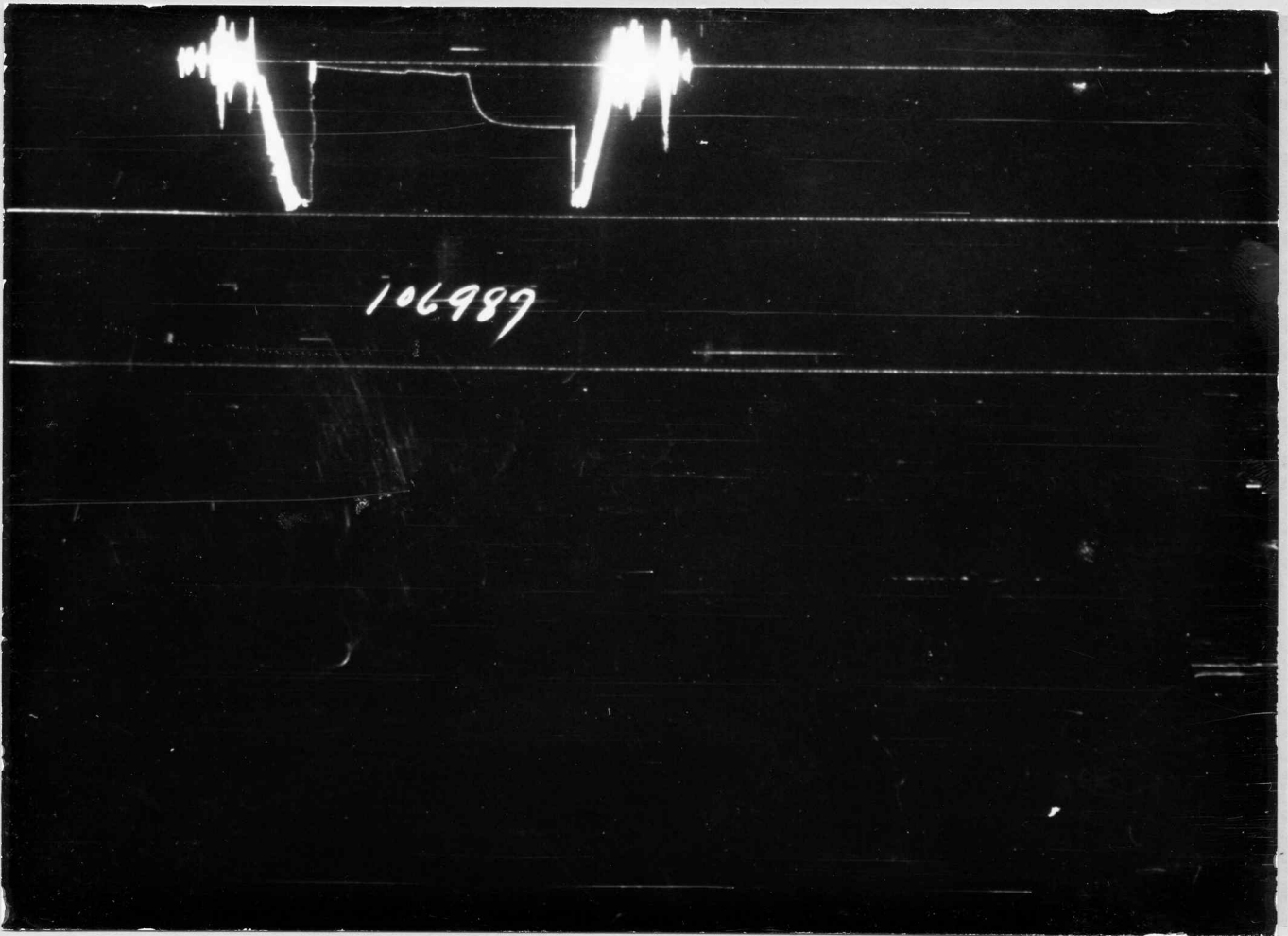


| | | | | | | |
|----------------------------|-------|---------|------------------|----------------|--|----------------------------------|
| Initial Closed In Time | - | Minutes | | Date | 5-30-58 | |
| Tool Open Flow Period | 90 | Minutes | | Ticket No. | 106987 | |
| Final Closed In Time | 60 | Minutes | | HOWCO DISTRICT | El Dorado | |
| Depth Top Gauge | 1827' | Ft. | Blanked Off | No | Kind of Job | Open Hole Test |
| BT. P.R.D. No | 297 | | 12 | Hr. Clock | CONTRACTOR | White & Ellis Dri g. Co. |
| Pressure Readings | Field | | Office Corrected | | HOLE & TOOL DATA | |
| Initial Hydro Mud Pressure | | | 938 | | Elevation | 1204' |
| Initial Closed in Pres. | | | | | Total Depth | 1855' |
| Initial Flow Pres. | | | 35 | | Casing or Hole Size | 8 3/4" |
| Final Flow Pres. | | | 65 | | Liner or Rathole Size | 8 3/4" |
| Final Closed in Pres. | | | 421 | | Casing Perforations | Top Bottom |
| Final Hydro Mud Pressure | | | 915 | | Interval Tested | 1825' to 1855' |
| Depth Center Gauge | 1851' | Ft. | Blanked Off | Yes | Formation Tested | Lansing |
| BT. P.R.D. No | 193 | | 12 | Hr. Clock | Est. Gauge Depth Temp. | 100 F° |
| Pressure Readings | Field | | Office Corrected | | MUD DATA Weight | 9.7 |
| Initial Hydro Mud Pressure | | | | | All depths measured from | Kelly Bushing |
| Initial Closed in Pres. | | | | | No. Folders Reproduced | 5 |
| Initial Flow Pres. | | | | | REMARKS: Interval tested from 1825' to 1855' | |
| Final Flow Pres. | | | | | in the Lansing. Tool opened @ 4:23 A. M. | |
| Final Closed in Pres. | | | | | with a very strong blow, gas to surface in 23 | |
| Final Hydro Mud Pressure | | | | | minutes, closed in pressure taken @ 5:53 A. M. | |
| | | | | | and started off bottom @ 6:53 A. M. | |
| Depth Bottom Gauge | | Ft. | Blanked Off | | | |
| BT. P.R.D. No | | | | Hr. Clock | | |
| Pressure Readings | Field | | Office Corrected | | | |
| Initial Hydro Mud Pressure | | | | | | |
| Initial Closed in Pres. | | | | | Recovered | 1855' Feet of Gas -plus flow |
| Initial Flow Pres. | | | | | Recovered | 55' Feet of Oil & gas cut mud |
| Final Flow Pres. | | | | | Recovered | 60' Feet of Very heavy oil & gas |
| Final Closed in Pres. | | | | | Recovered | Feet of cut mud |
| Final Hydro Mud Pressure | | | | | Witnessed By | Mr. Warren Morris |
| Amount-Type of Cushion | none | | | | Tester | Hohn Taylor Jr. |

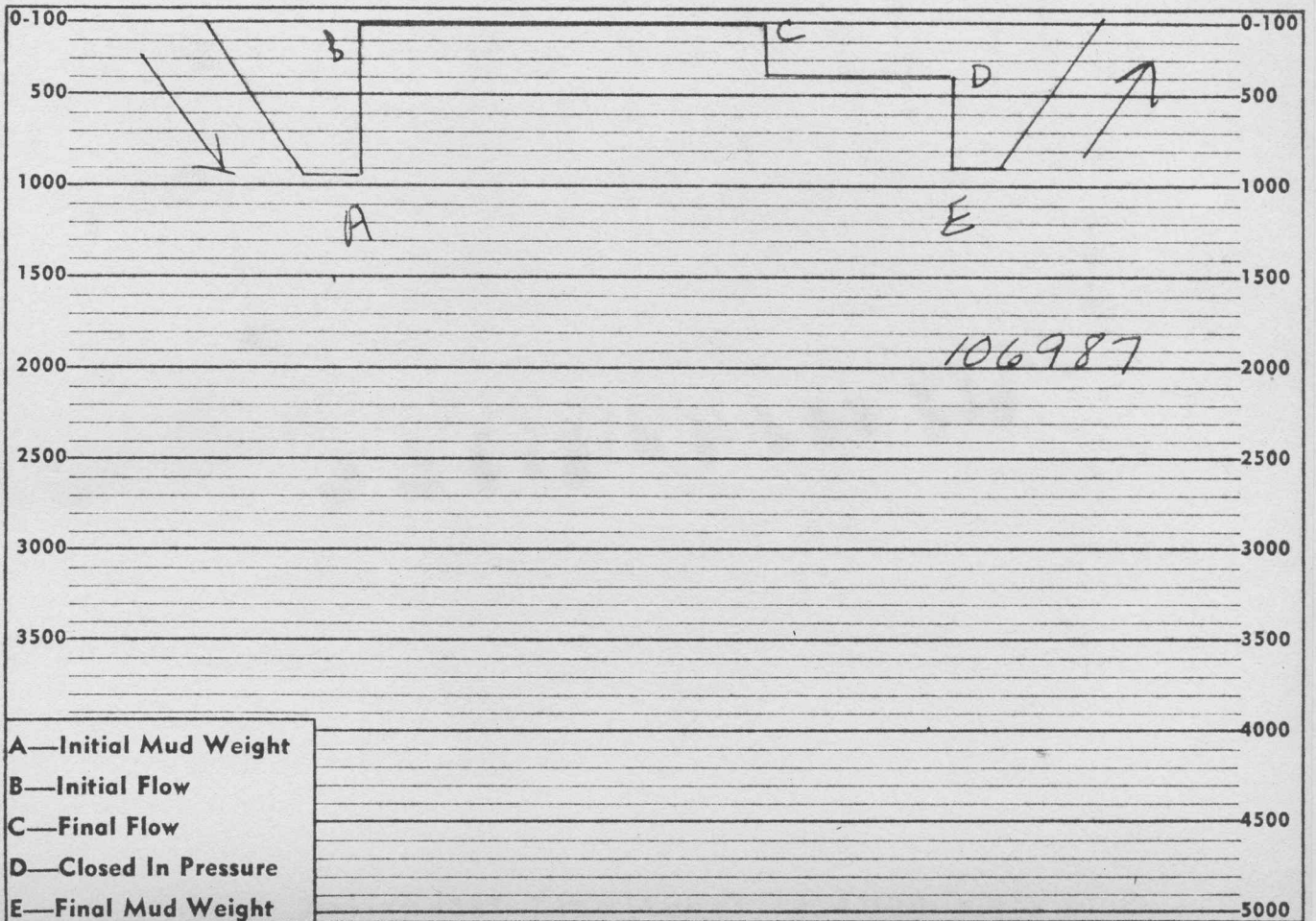
RLSLY
 LEASE NAME
 LOCATION SEC: 16-29-4e
 WELL NO. 7
 FIELD Douglas
 TEST NO. 1
 OWNERS DISTRICT
 CITIS SERVICE OIL COMPANY
 LEASE OWNER
 COUNTY Butler
 STATE Kansas



106987


↑
PRESSURE
↓

← TIME →



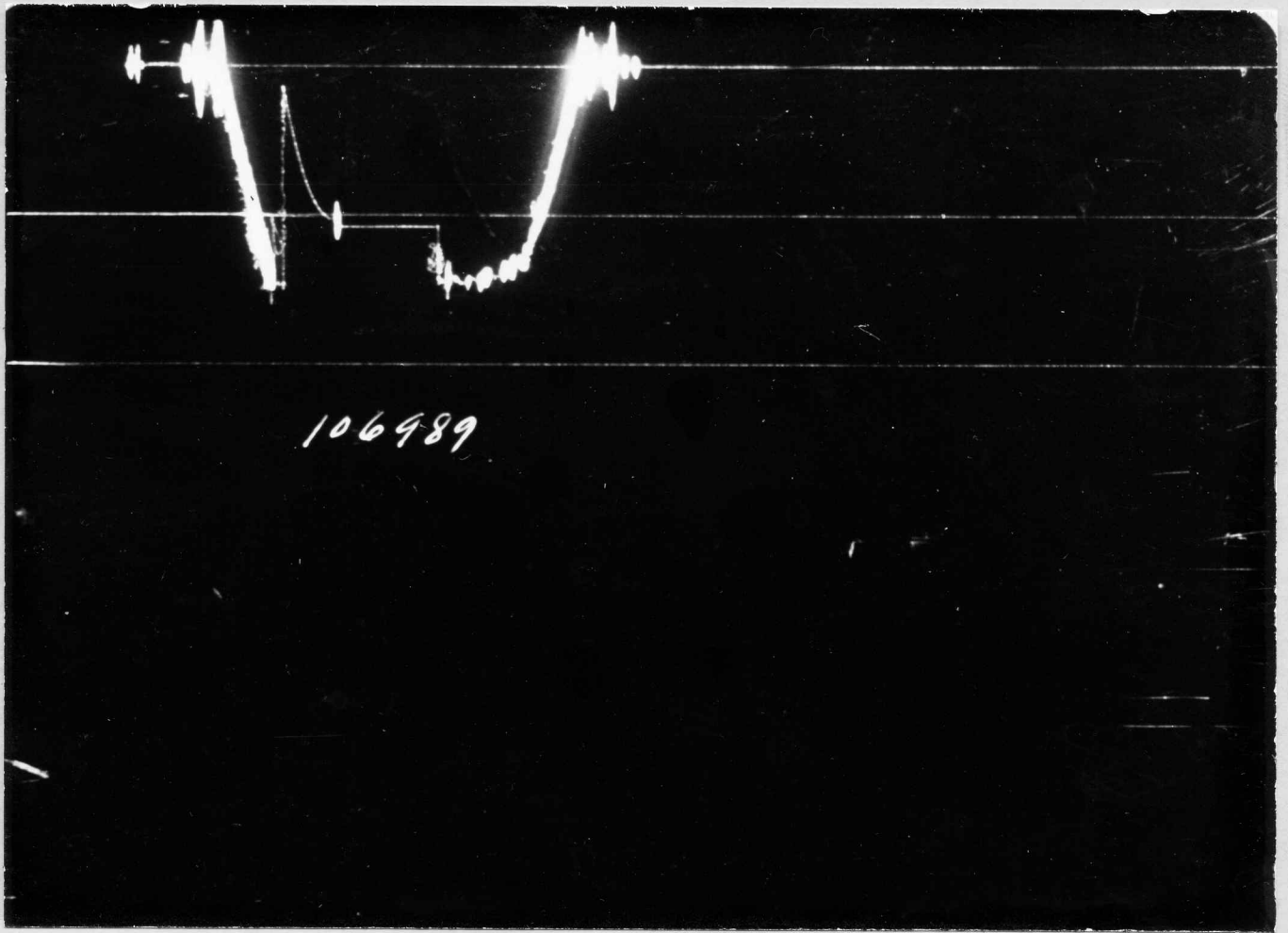
106987

- A—Initial Mud Weight
- B—Initial Flow
- C—Final Flow
- D—Closed In Pressure
- E—Final Mud Weight

| | | | | | | | | | |
|----------------------------|-------|---------|---|----------------|--|----------------------------|---------------------------|-----------------|---------------|
| Initial Closed In Time | - | Minutes |  | Date | 6-1-58 | | | | |
| Tool Open Flow Period | 33 | Minutes | | Ticket No. | 106989 | | | | |
| Final Closed In Time | 60 | Minutes | | HOWCO DISTRICT | El Dorado | | | | |
| Depth Top Gauge | 2820' | Ft. | | Blanked Off | No | Kind of Job | Open Hole Test | | |
| BT. P.R.D. No | 297 | | 12 | Hr. Clock | CONTRACTOR | White & Ellis Drilling Co. | | | |
| Pressure Readings | Field | | Office Corrected | | HOLE & TOOL DATA | | | | |
| Initial Hydro Mud Pressure | | | 1492 | | Elevation | - | Top Packer Depth | - | |
| Initial Closed in Pres. | | | | | Total Depth | 2830' | Bottom Packer Depth | 2826' | |
| Initial Flow Pres. | | | 155 | | Casing or Hole Size | 8 3/4" | Size & Type Wall Packer | 7 1/4" ESWP | |
| Final Flow Pres. | | | 1025 | | Liner or Rathole Size | 8 3/4" | Size Bottom Choke | 5/8" | |
| Final Closed in Pres. | | | 1088 | | Casing Perforations | Top Bottom | Size Surface Choke | 1/4" | |
| Final Hydro Mud Pressure | | | 1455 | | Interval Tested | 2826' to 2830' | ID & Length Air Chamber | - | |
| Depth Center Gauge | Ft. | | Blanked Off | | Formation Tested | Arbuckle | ID & Length Drill Collars | - | |
| BT. P.R.D. No | | | | Hr. Clock | Est. Gauge Depth Temp. | 100 | F° | Size Drill Pipe | 4 1/2" API FH |
| Pressure Readings | Field | | Office Corrected | | MUD DATA Weight | 10 | Viscosity | 42 | |
| Initial Hydro Mud Pressure | | | | | All depths measured from | Kelly Bushing | No. Folders Reproduced | 5 | |
| Initial Closed in Pres. | | | | | REMARKS: Interval tested from 2826' to 2830' | | | | |
| Initial Flow Pres. | | | | | in the Arbuckle. Tool opened @ 8:27 P. M. with | | | | |
| Final Flow Pres. | | | | | a very strong blow, gas to surface in 24 minutes | | | | |
| Final Closed in Pres. | | | | | flowed oil in 26 minutes, closed in pressure taken | | | | |
| Final Hydro Mud Pressure | | | | | @ 9:00 P. M. and started off bottom @ 10:00 | | | | |
| Depth Bottom Gauge | Ft. | | Blanked Off | | P. M. | | | | |
| BT. P.R.D. No | | | | Hr. Clock | NO P.R.D. WAS RUN. | | | | |
| Pressure Readings | Field | | Office Corrected | | | | | | |
| Initial Hydro Mud Pressure | | | | | | | | | |
| Initial Closed in Pres. | | | | | Recovered | 2830' | Feet of | Oil | |
| Initial Flow Pres. | | | | | Recovered | | Feet of | | |
| Final Flow Pres. | | | | | Recovered | | Feet of | | |
| Final Closed in Pres. | | | | | Recovered | | Feet of | | |
| Final Hydro Mud Pressure | | | | | Witnessed By Mr. Warren Morris | | | | |
| Amount-Type of Cushion | none | | | | Tester John H. Taylor Jr. | | | | |

LOCATION SEC: 16-29-54e
 FIELD Douglas
 STATE Kansas

LEASE NAME RISLEY
 WELL NO. 7
 TEST NO. 2
 LEASE OWNER CITIES SERVICE OIL COMPANY
 OWNERS DISTRICT AUGUSTA
 16-29-4E



106989

PRESSURE

TIME

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