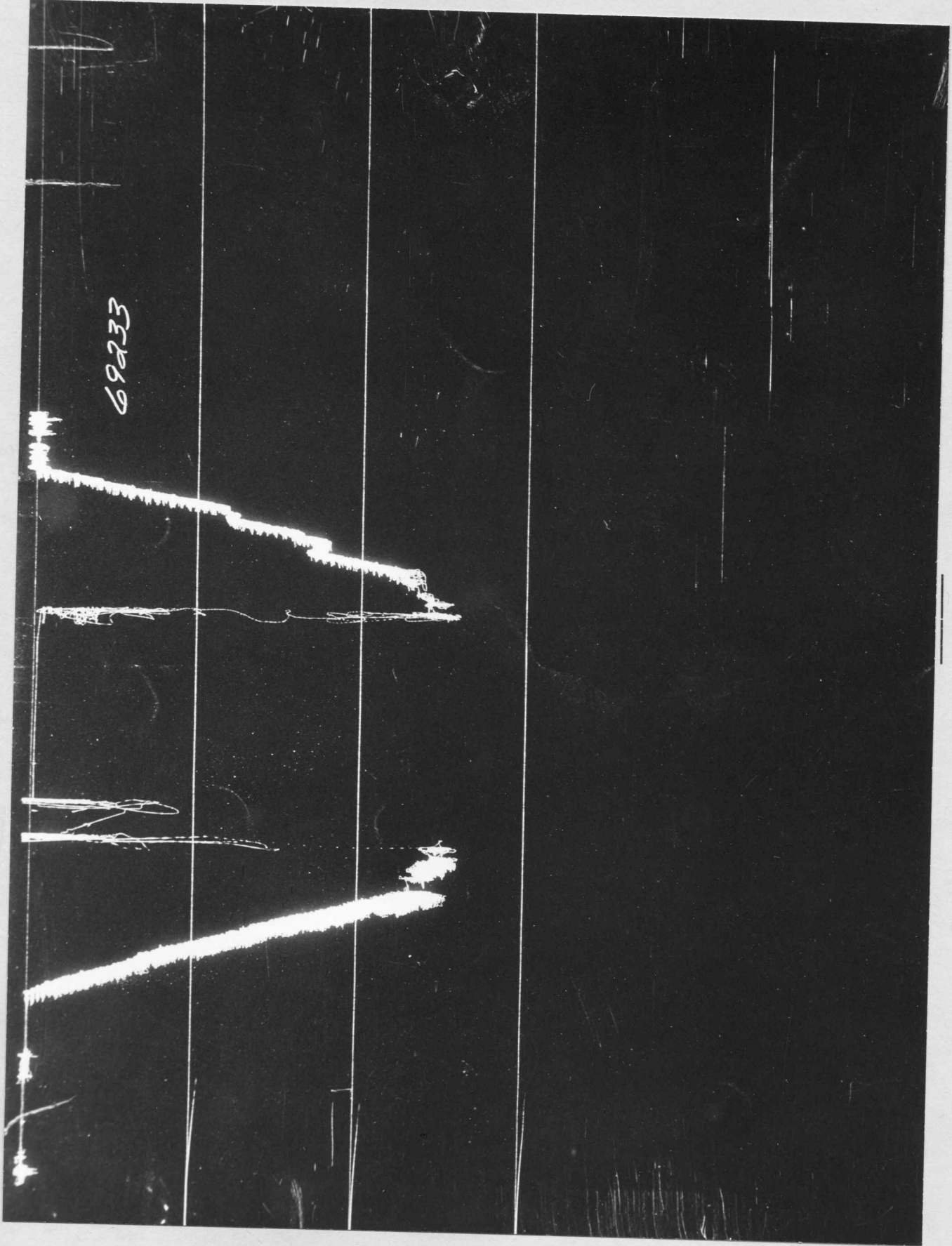


|                          |  |                            |  |                          |               |
|--------------------------|--|----------------------------|--|--------------------------|---------------|
| LOCATION                 | 21-30-1S                               | HOLE & TOOL DATA           |  | Date                     | 6-16-57       |
| FIELD                    | Wildcat                                | Total Depth                | 4551'  | Ticket No.               | 69233         |
| COUNTY                   | Barber                                 | Top Packer Depth           | 4538'  | HOWCO DISTRICT           | Pratt         |
| STATE                    | Kansas                                 | Casing or Hole Size        | 7 7/8"   | Kind of Job              | Open Hole     |
| CONTRACTOR               | Company Tools                          | Formation Tested           | Viola  | Price                    | \$226.00      |
|                          | MUD DATA                               | Size Drill Pipe            | 4 1/2" FH.   | Second Packer Assembly   |               |
| Kind                     | Starch                                 | Size Bottom Choke          | 3/4"   | Safety Joint             |               |
| Weight                   | 10.2 lbs.-gal.                         | Size Hook Wall Packer      | Size Rings   | Extra Folder Charge      |               |
| Viscosity                | 44 Sec.                                | Size & Type Wall Packer    | 6 3/4" ESMP.   | Jars                     |               |
| Filter Loss              | 1 1/2 Filter Cake 2/32 in.             | Size & Length Anchor       | 5" x 8'  | Total                    | \$226.00      |
| Est. Gauge Depth Temp.   | Calc. 110° F.                          | PRD Device No.             | -  | Witnessed By             | J. Parsons    |
| Time Tool Opened         | 1 Hour                                 | Depth                      | -  | Tester                   | V. E. Snidle  |
| Time Closed In.          | 20 Minutes Initial<br>20 Minutes Final | REMARKS:                   | Set packer, opened tool at 8:22 P.M. and took a 20 minute initial closed in pressure. Tool opened at 8:42 P.M. Tool closed at 10:12 P.M. |                          |               |
| Depth BT. Gauge          | 4530'                                  | Amount of Cushion          | None   | All depths measured from | Kelly Bushing |
| BT. P.R.D. No.           | 514                                    | Blanked Off                | No   | No. Folders Reproduced   | 5             |
| 12 Hr. Clock No.         | 3004                                   | Office Corrected           |  |                          |               |
| Pressure Readings        | Field                                  | Initial Hydro Mud Pressure | 2507   |                          |               |
| Initial Flow Pres.       | 16                                     | Final Flow Pres.           | 25   |                          |               |
| Final Flow Pres.         | 606 Initial<br>65 Final                | Closed in Pres.            | 715 Initial<br>42 Final  |                          |               |
| Final Hydro Mud Pressure | 2507                                   |                            |  |                          |               |

Top Recorder

TIME



PRESSURE

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

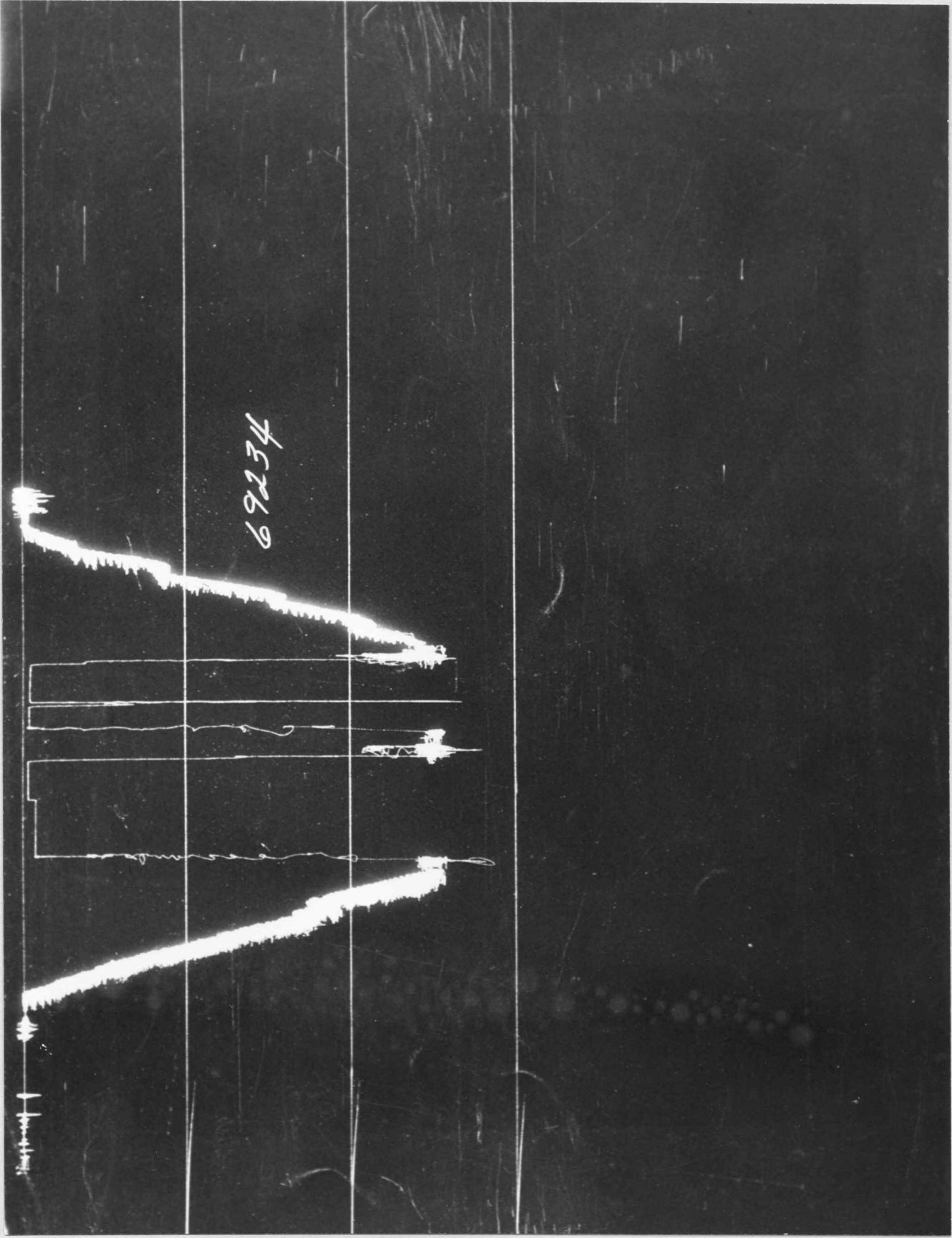


HOLE & TOOL DATA

|                        |                                |   |  |              |
|------------------------|--------------------------------|---|--|--------------|
| LOCATION               | 21-30-15                       | Date  |  | 6-17-57      |
| FIELD                  | Wildcat                        | Ticket No.  |  | 69234        |
| COUNTY                 | Barber                         | HOWCO DISTRICT  |  | Pratt        |
| STATE                  | Kansas                         | Kind of Job   |  | Open Hole    |
| CONTRACTOR             | Company Tools                  | Price   |  | \$226.00     |
|                        | MUD DATA                       | Second Packer Assembly  |  |              |
| Kind                   | Starch                         | Safety Joint  |  |              |
| Weight                 | 10 lbs.-gal.                   | Extra Folder Charge   |  |              |
| Viscosity              | 43 Sec.                        | Jars  |  |              |
| Filter Loss            | 9.8 c. c. Filter Cake 3/32 in. | Total   |  | \$226.00     |
| Est. Gauge Depth Temp. | Cal c. 110° F.                 | Witnessed By  |  | T. Elster    |
| Time Tool Opened       | 1 Hour                         | Tester  |  | V. E. Snidle |
| Time Closed In.        | 15 Minutes Initial             | REMARKS:  |  |              |
|                        | 30 Minutes Final               | Set packer, opened tool at 4:52 P.M. for a 30 minute initial closed in pressure. Dropped bar and did not break disc (5:22 P.M.-6:05 P.M.) |  |              |
| Depth BT. Gauge        | 4575'                          | Dropped second bar, (6:10-6:30 P.M.) and received no blow during test.  |  |              |
| BT. P.R.D. No.         | 574                            | Recovered 20' of drilling fluid. (Used 9' 4 1/2" 16.60 DP for blank anchor.)  |  |              |
|                        |                                | PRD Device No.  |  | 1604         |
|                        |                                | Depth   |  | 4580'        |
|                        |                                | Blanked Off   |  | Yes          |
|                        |                                | Amount of Cushion   |  | NONE         |
|                        |                                | All depths measured from  |  | -            |
|                        |                                | No. Folders Reproduced  |  | 5            |

Top Recorder

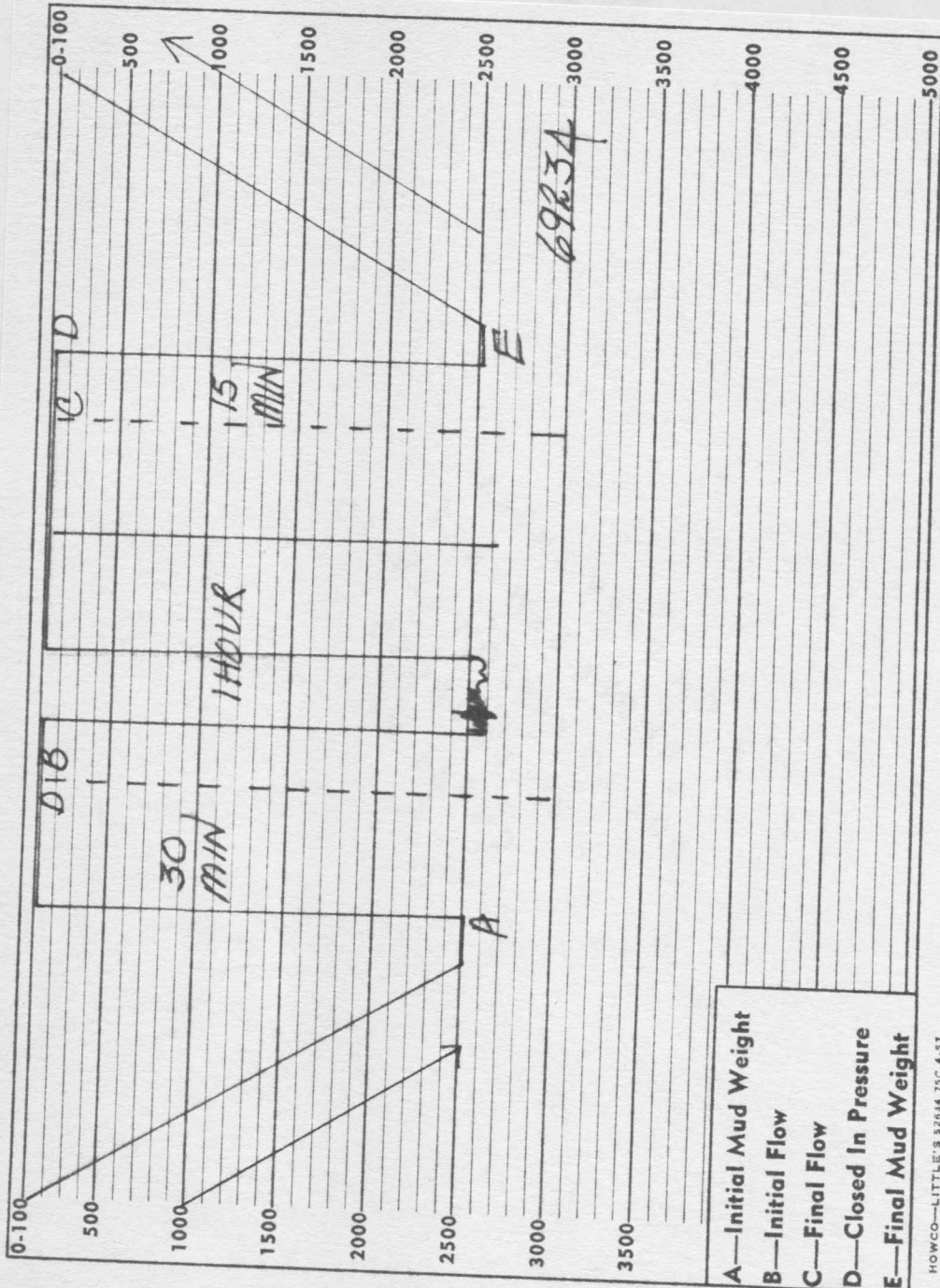
TIME



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

Bottom Recorder

TIME



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

HOWCO—LITTLE'S 32614 75C 4-57

PRESSURE

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

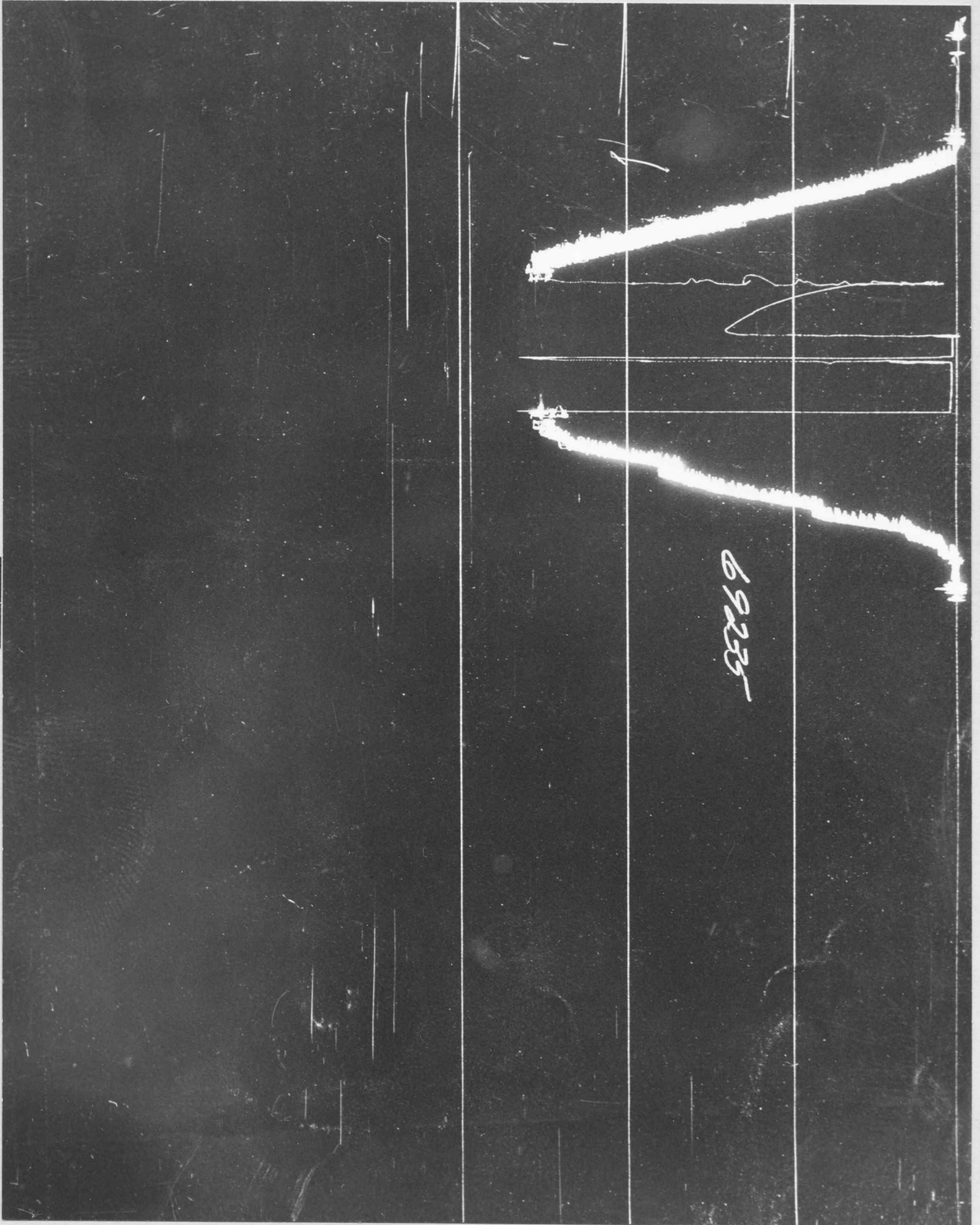
|                            |                        |                       |   |               |
|----------------------------|------------------------|-----------------------|---|---------------|
| LOCATION                   | 21-30-15               | Date                  |   | 6-18-57       |
| FIELD                      | Wildcat                | Ticket No.            |   | 69235         |
| COUNTY                     | Barber                 | HOWCO DISTRICT        |   | Pratt         |
| STATE                      | Kansas                 | Kind of Job           |   | Open Hole     |
| CONTRACTOR                 | Company Tools          | Price                 |   | \$226.00      |
| MUD DATA                   |                        | HOLE & TOOL DATA      |   |               |
| Kind                       | Starch                 | Total Depth           | 4626'   |               |
| Weight                     | 10 lbs.-gal.           | Top Packer Depth      | 4604'   |               |
| Viscosity                  | 43 Sec.                | Casing or Hole Size   | 7 7/8"  |               |
| Filter Loss                | 11.8 c. c. Filter Cake | Formation Tested      | Viola   |               |
| Est. Gauge Depth Temp.     | Calc. 110° F.          | Size Drill Pipe       | 4 1/2" FH.  |               |
| Time Tool Opened           | 30 Minutes             | Size Bottom Choke     | 3/4"  |               |
| Time Closed In.            | 15 Minutes             | Size Hook Wall Packer | 6 3/4" ESWP.  |               |
| Depth BT. Gauge            | 4616'                  | Size & Length Anchor  | 5" x 17'  |               |
| BT. P.R.D. No.             | 514                    | PRD Device No.        | 1604  |               |
| 12 Hr. Clock No.           | 3004                   | Depth                 | 4621'   |               |
| Pressure Readings          | Field                  | Blanked Off           | Yes   |               |
| Initial Hydro Mud Pressure | 2537                   | REMARKS:              | Set packer, opened tool at 5:26 P.M. for 30 minute initial closed in pressure. Tool opened at 5:56 P.M. with a very weak blow. Flushed anchor at 6:26 P.M. Tool closed at 6:26 P.M.-6:41 P.M. Recovered 20' of drilling fluid. (Used 6' 4 1/2" FH. DP. for blank anchor.) |               |
| Initial Flow Pres.         | 23                     |                       |   |               |
| Final Flow Pres.           | 33                     |                       |   |               |
| Closed in Pres.            | 34                     |                       |   |               |
| Final Hydro Mud Pressure   | -                      |                       |   |               |
| Amount of Cushion          |                        | None                  | All depths measured from  | Kelly Bushing |
| No. Folders Reproduced     |                        |                       |   | 5             |



PRESSURE

Top Recorder

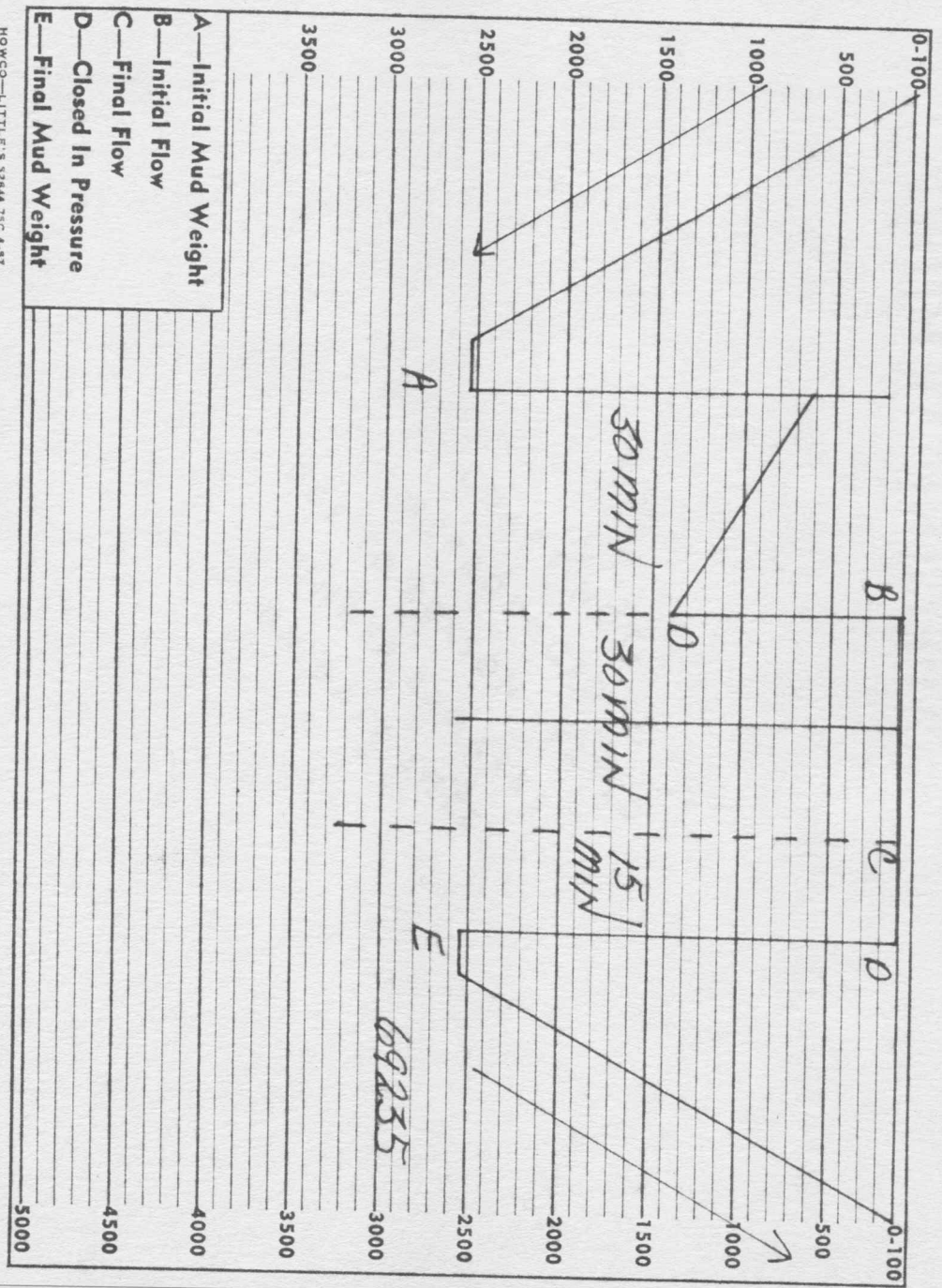
TIME



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

Bottom Recorder

TIME



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

Company AYLWARD DRILLING COMPANY

Date 6-18-57

Lease U. S. GYPSON Well No. 1

Ticket No. 69235

Test No. 3

Total Depth 4626'

Packer Depth 4604'-4609'

BT No. 514 Depth 4616'

12 Hr. Clock No. 3004

Temperature Corrected to Calc. 110 ° F.

|                            | Time       | PSI  |
|----------------------------|------------|------|
| Initial Hydro Mud Pressure |            | 2576 |
| Initial Closed In Pressure | 30 Minutes | 1412 |
| Initial Flow               |            | 31   |
| Final Flow                 | 30 Minutes | 34   |
| Final Closed In Pressure   | 15 Minutes | 43   |
| Final Hydro Mud Pressure   |            | 2576 |

|     | Initial CIP        |                 |                 | Flow Pressure    |                 |                 | Final CIP        |                 |                 |
|-----|--------------------|-----------------|-----------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|
|     | Time Defl. .000"   | PSI Defl. .000" | PSI Temp. Corr. | Time Defl. .000" | PSI Defl. .000" | PSI Temp. Corr. | Time Defl. .000" | PSI Defl. .000" | PSI Temp. Corr. |
| P0  | .000               | .052            | 84              |                  |                 |                 |                  |                 |                 |
| P1  | .019               | .570            | 745             |                  |                 |                 |                  |                 |                 |
| P2  | .038               | .560            | 883             |                  |                 |                 |                  |                 |                 |
| P3  | .057               | .632            | 994             |                  |                 |                 |                  |                 |                 |
| P4  | .076               | .690            | 1083            |                  |                 |                 |                  |                 |                 |
| P5  | .095               | .745            | 1168            |                  |                 |                 |                  |                 |                 |
| P6  | .114               | .785            | 1230            |                  |                 |                 |                  |                 |                 |
| P7  | .133               | .817            | 1279            |                  |                 |                 |                  |                 |                 |
| P8  | .152               | .851            | 1332            |                  |                 |                 |                  |                 |                 |
| P9  | .171               | .879            | 1375            |                  |                 |                 |                  |                 |                 |
| P10 | .190               | .903            | 1412            |                  |                 |                 |                  |                 |                 |
|     | 3 Minute Intervals |                 |                 | Minute Intervals |                 |                 | Minute Intervals |                 |                 |

Remarks: