

# OPEN HOLE TEST

## JOHNSTON TESTERS, INC.

19-9-27W

OFFICES: Houston, Texas - Los Angeles, California - Calgary, Canada

DATE 12-8-56  
 OPEN HOLE TEST NO. #1 WELL: Haffner #1  
 FIELD Wild Cat COUNTY Sheridan STATE Kansas  
 COMPANY National Co-operative Refinery Association  
 ADDRESS Box 770, Mc Rharson, Kansas Charts: 305 Rule Building, Wichita,  
 TEST APPROVED BY J.E. Jegman Kansas  
 JOHNSTON OPERATOR J. M. O'Connor TICKET NO. 15515 N

### GENERAL TEST DATA

| TYPE TEST                                    |              | Conventional |              | TOTAL DEPTH                |              | 3884'  |               |
|----------------------------------------------|--------------|--------------|--------------|----------------------------|--------------|--------|---------------|
| 1. Test Interval:                            | <u>3872'</u> | To           | <u>3884'</u> | 7. Fluid Cushion: Type     | <u>Mud</u>   | Amount |               |
| 2. Tool Open                                 | <u>1</u>     | Hrs.         |              | 8. Air Chamber Amount      | <u>3 1/2</u> | Size:  | <u>4 1/2"</u> |
| 3. Initial Shut In                           |              | Hrs.         | <u>29</u>    | 9. Did Packer(s) Hold?     | <u>Yes</u>   |        |               |
| 4. Final Shut In                             |              | Hrs.         | <u>20</u>    | 10. Did Tool Plug?         | <u>No</u>    | Where? |               |
| 5. Choke: Top                                | <u>1"</u>    | Bottom       | <u>1"</u>    | 11. Was Test Reversed Out? | <u>No</u>    |        |               |
| 6. Fluid Recovery <u>12'</u> Total,          |              |              |              |                            |              |        |               |
| <u>12' Rotary mud with few spots of oil.</u> |              |              |              |                            |              |        |               |

REMARKS: Tool open at 6:31 P.M. Dropped bar at 7:00 P.M. Tool open 1 hr. and 3 mins. Shut in 20 minutes.

### SURFACE INFORMATION

|                             |                                      |               |                    |
|-----------------------------|--------------------------------------|---------------|--------------------|
| 1. Blow:                    | <u>Very weak in 15 minutes blow.</u> |               |                    |
| 2. Maximum Surface Pressure | Did Well Flow? <u>No</u>             |               |                    |
| Description Or Rate of Flow | Time                                 | Max. Pressure | Size Surface Choke |
| <u>Blow</u>                 | <u>15 min.</u>                       |               | <u>1"</u>          |
|                             |                                      |               |                    |
|                             |                                      |               |                    |
|                             |                                      |               |                    |
|                             |                                      |               |                    |

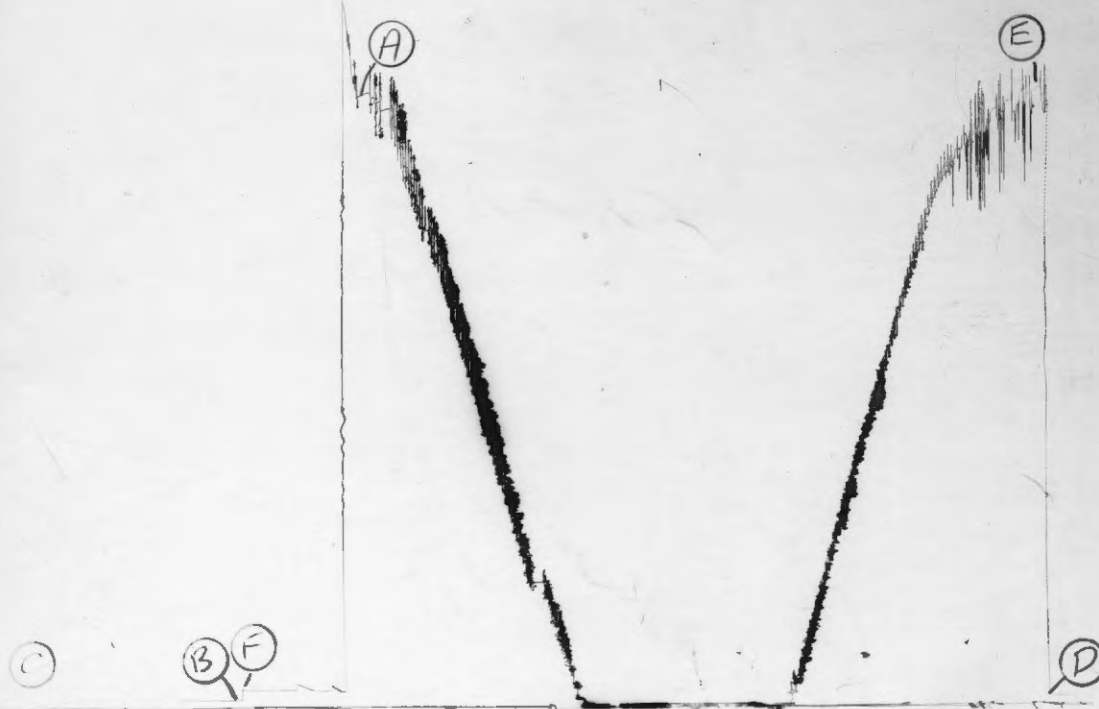
### MUD, HOLE & JOHNSTON TOOL DATA

|                      |               |                 |              |           |             |
|----------------------|---------------|-----------------|--------------|-----------|-------------|
| MUD: Type            | <u>Starch</u> | Weight          | <u>8.3</u>   | Viscosity | <u>40</u>   |
| HOLE: Main Hole Size | <u>7 7/8</u>  | Drill Pipe Size | <u>4 1/2</u> |           |             |
| Rat Hole Size        |               |                 |              |           |             |
| JOHNSTON TOOLS:      |               |                 |              |           |             |
| 1. Packer(s): Type   | <u>3872'</u>  | O.D.            | <u>6 1/2</u> | Type      | <u>O.D.</u> |
| Set At               |               | Set At          |              |           |             |
| 2. Extra Equipment:  | <u>None</u>   |                 |              |           |             |

### MUD, HOLE, & TOOL DATA

Number of Copies Requested: 6

T-57 2000# 6-



Test Ticket No. 15515 N  
Chart Number                     

**Pressure Recorder:**

No. T-57  
Cap. 7000#  
Location 3778°

| PRESSURE DATA |                         |      |
|---------------|-------------------------|------|
| A             | Initial Hydrostatic Mud | 1901 |
| B             | Initial Flow            | 22   |
| C             | Final Flow              | 26   |
| D             | Final Shut-In           | 26   |
| E             | Final Hydrostatic Mud   | 1901 |
| F             | "Initial Shut-In"       | 52   |

Remarks: Read on 100 F. curve.

[illegible]