JOHNSTON TESTERS

## SURFACE INFORMATION

| Description (Rate of Flow) | Time | Pressure (P.S.I.G.) | Surface Choke |
|---|---|---|---|
| Opened Tool | 1250 | – | 12/64" |
| WEAK BLOW | | | |
| CLOSED FOR INITIAL SHUT-IN | 1300 | – | " |
| FINISHED SHUT-IN | 1400 | – | " |
| RE-OPENED TOOL | 1402 | – | " |
| VERY WEAK BLOW, DIED AT END | | | |
| OF TEST. | | | |
| CLOSED FOR FINAL SHUT-IN | 1447 | – | " |
| FINISHED SHUT-IN | 1605 | – | " |
| PULLED PACKER LOOSE | 1606 | – | " |

| Cushion Type | Amount | Pressure | Bottom Choke |
|---|---|---|---|
| | – | | Size 1" |

## MUD DATA

Mud Type STARCH Wt. 9.7
Viscosity 50 Water Loss 10.0 C.C.
Resist: of Mud .29 @ 60 °F; of Filtrate .28 @ 60 °F
Chloride Content 25000 PPM

## EQUIPMENT & HOLE DATA

Type Test M. F. E. OPEN HOLE
Formation Tested SIMPSON
Elevation 1143 Ft.
Net Productive Interval 8 Ft.
Estimated Porosity – %
All Depths Measured From KELLY BUSHING
Total Depth 4766 Ft.
Main Hole/Casing Size 7 7/8"
Rat Hole/Liner Size –
Drill Collar Length – I.D. –
Drill Pipe Length 4712' I.D. 3.80"
Packer Depth(s) 4742 & 4748 Ft.

## MULTI-FLOW EVALUATOR FLUID SAMPLE DATA

Sampler Pressure 10 P.S.I.G. at Surface
Recovery: Cu. Ft. Gas –
cc. Oil –
cc. Water –
cc. Mud 1720
Tot. Liquid cc. 1720
Gravity – °API @ – °F.
Gas/Oil Ratio – cu. ft./bbl.

| | RESISTIVITY | CHLORIDE CONTENT |
|---|---|---|
| Recovery Water | – @ – °F. | – ppm |
| Recovery Mud | .23 @ 60 °F. | |
| Recovery Mud Filtrate | .20 @ 60 °F. | 40000 ppm |
| Mud Pit Sample | .29 @ 60 °F. | |
| Mud Pit Sample Filtrate | .28 @ 60 °F. | 25000 ppm |

| RECOVERY DESCRIPTION | FEET | BARRELS | % OIL | % WATER | % OTHERS | API GRAVITY | RESISTIVITY | CHL. PPM |
|---|---|---|---|---|---|---|---|---|
| DRILLING MUD | 15 | .21 | | | | @ °F. | .20@ 60 °F. | 38000 |
| | | | | | | @ °F. | @ °F. | |
| | | | | | | @ °F. | @ °F. | |
| | | | | | | @ °F. | @ °F. | |
| | | | | | | @ °F. | @ °F. | |
| | | | | | | @ °F. | @ °F. | |
| | | | | | | @ °F. | @ °F. | |
| | | | | | | @ °F. | @ °F. | |

Remarks:

Address 2000 FIDELITY UNION TOWER; DALLAS, TEXAS 75201

Company W. C. PICKENS Field WILD CAT
Well STEPHENS #1 Location SEC. 5-35S-2W
Test Interval 4748' TO 4766' Test # 3 Date 5-18-68

County SUMNER State KANSAS
Technician RINE (ENID) Test Approved By MR. JOHN C. ROBERTS

Field Report No. 09286 B
No. Reports Requested 8xxx

JOHNSTON TESTERS

## PRESSURE DATA

| | | | |
|---|---|---|---|
| Instrument No. | J-039 | | |
| Capacity (P.S.I.G.) | 4700 | | |
| Instrument Depth | 4760' | | |
| Instrument Opening | OUTSIDE | | |
| Pressure Gradient P.S.I./Ft. | | | |
| Well Temperature °F. | 134 | | |
| Initial Hydrostatic Mud A | 2442 | | |
| Initial Shut-in B | * 2139 | | |
| Initial Flow C | 41 | | |
| C-1 | 42 | | |
| C-2 | 50 | | |
| Final Flow D | 46 | | |
| Final Shut-in E | * 1844 | | |
| Final Hydrostatic Mud F | 2433 | | |

Field Report No. 09286 B

### TIME DATA

| Time Given | Time Computed |
|---|---|
| 60 Mins. | Mins. |
| 10 Mins. | Mins. |
| - Mins. | Mins. |
| - Mins. | Mins. |
| 45 Mins. | Mins. |
| 78 Mins. | Mins. |

Remarks:

*Shut in pressure did not reach static reservoir pressure.*

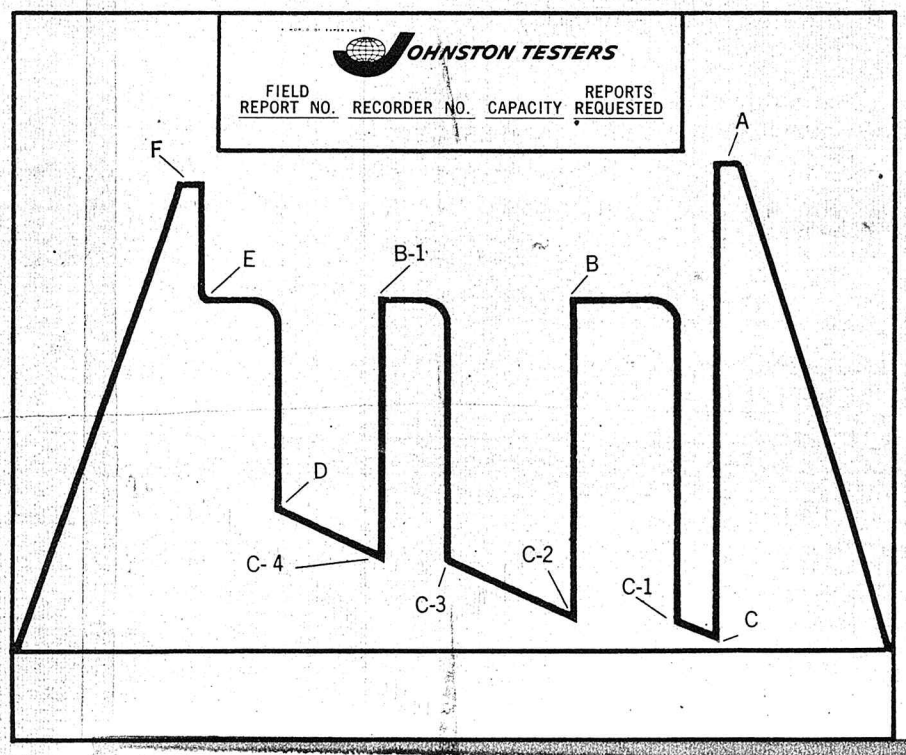
Clock Travel ______ inches per min.

## PRESSURE INCREMENTS

| Point Minutes | Pressure | $\frac{T + \Delta t}{\Delta t}$ | Point Minutes | Pressure | $\frac{T + \Delta t}{\Delta t}$ | Point Minutes | Pressure | $\frac{T + \Delta t}{\Delta t}$ |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

JOHNSTON TESTERS

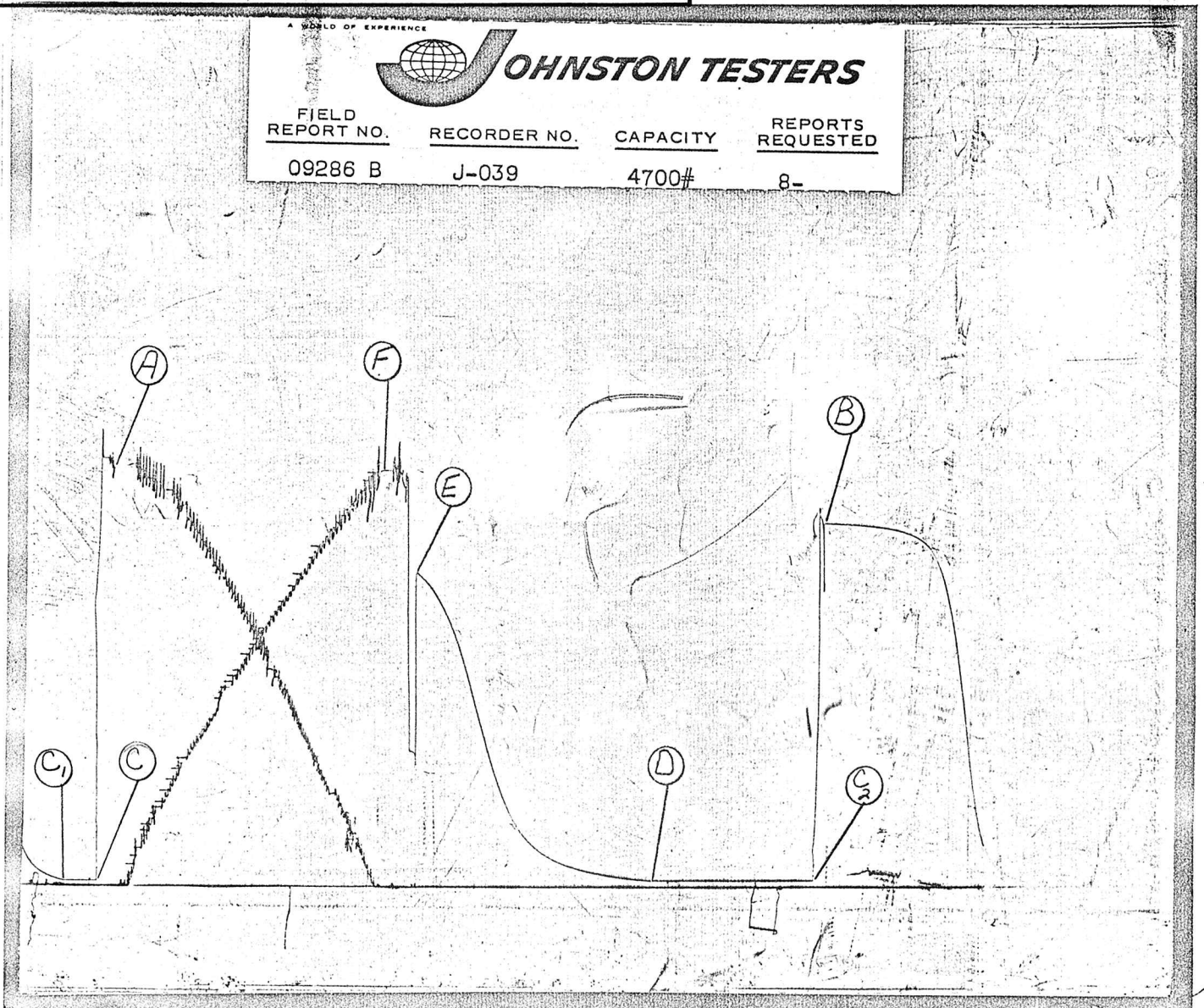
# GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS




A. Initial Hyd. Mud
B. Initial Shut-in
C. Initial Flow
D. Final Flow
E. Final Shut-in
F. Final Hyd. Mud

***The following points are either fluctuating pressures or points indicating other packer settings, (testing different zones).***

A-1, A-2, A-3, etc. Initial Hyd. Pressures
B-1, B-2, B-3, etc. Subsequent Shut-in Pressures
C-1, C-2, C-3, etc. Flowing Pressures
D-1, D-2, D-3, etc. Subsequent Final Flow Pressures
E-1, E-2, E-3, etc. Subsequent Final Shut-in Pressures
F-1, F-2, F-3, etc. Final Hyd. Mud Pressures
Z — Special pressure points such as pumping pressure recorded for formation breakdown.



JOHNSTON TESTERS

# Pressure Log*

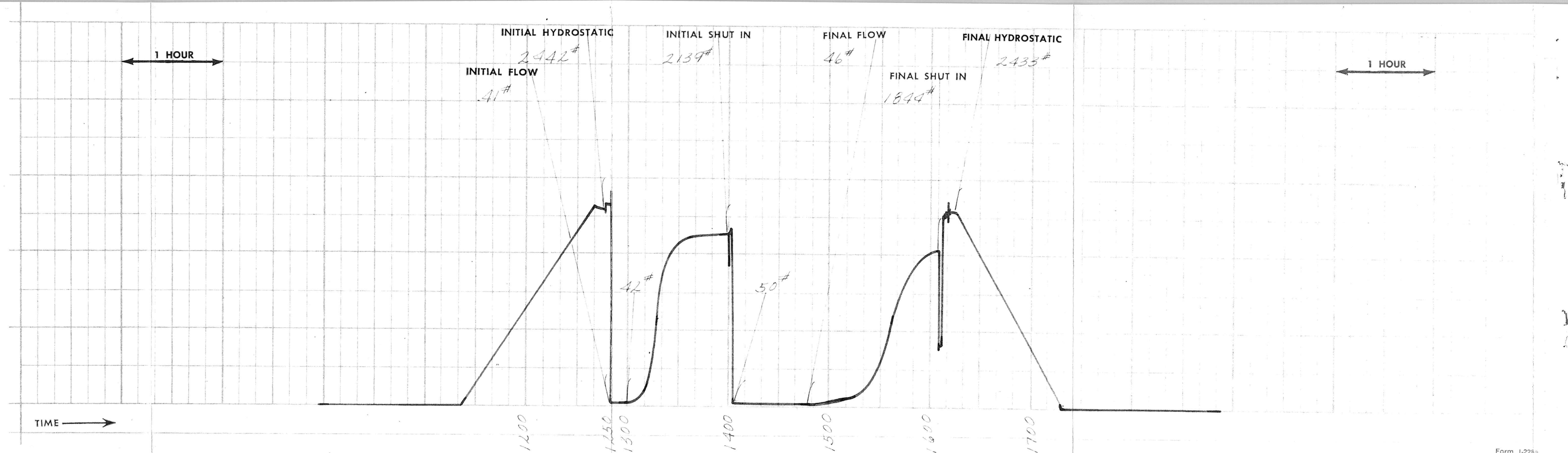
Field Report No. 09286B

Instrument: Number J-039

Capacity 4700 p.s.i.

Depth 4760 ft.

*a continuous tracing of the original chart




Form J-228