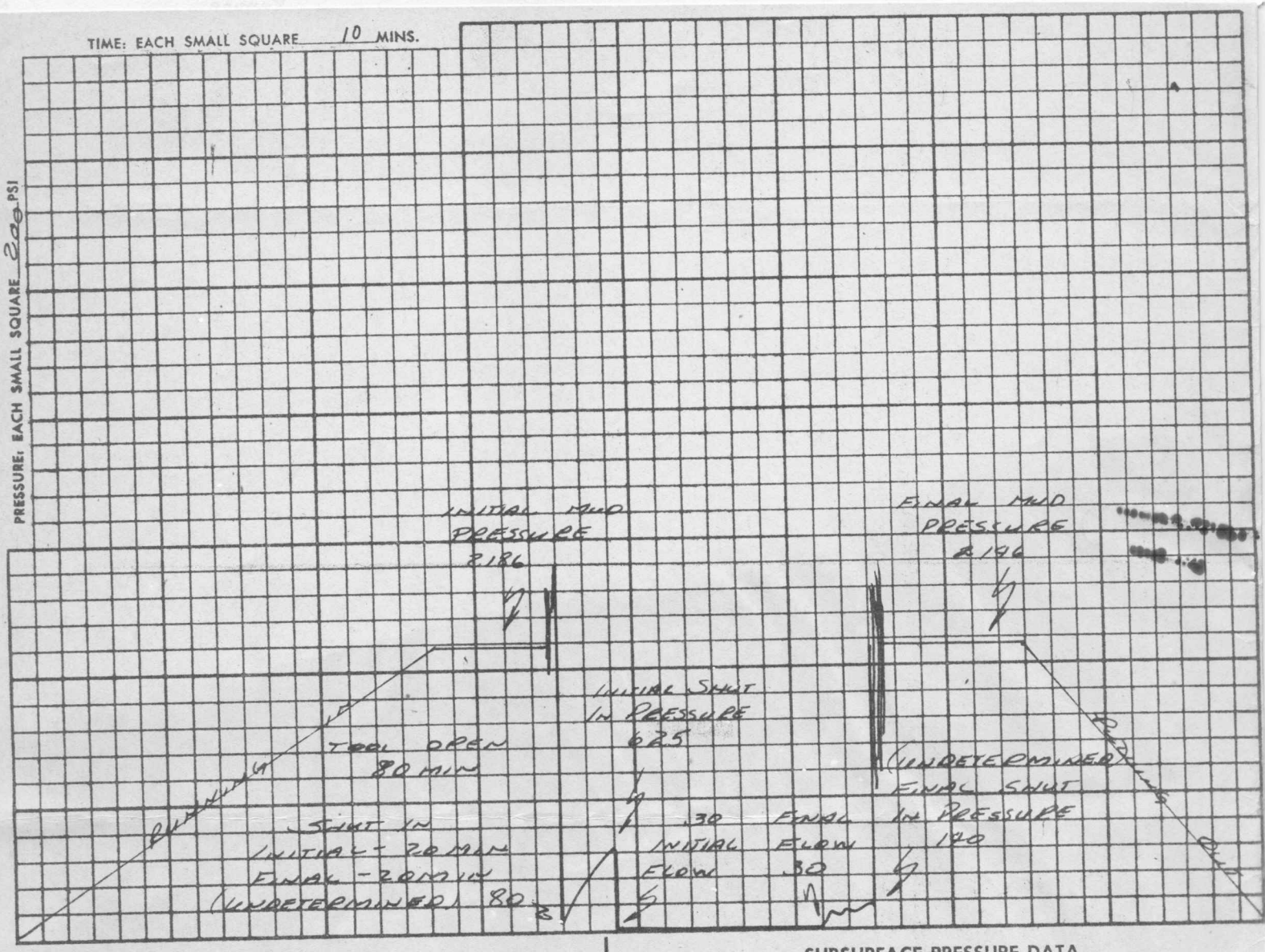



## CHARGES

L-T56

Test at ____', $____

Misrun at ____', $____

Rental on Tools ____—16 Hours at $2.50

Safety Joint ____

Dual Wall Packers ____

Testing Between Two Packers ____

Service Charge ____

Mileage Charge ____ Mls. at ____¢

Jars ____

Operators' Time ____—16 Hours at $2.50

Reservoir Sampler ____

Damaged Rubber Packer X

## SUBSURFACE PRESSURE DATA

| | Field Reading TOP | Field Reading BOTTOM | Corrected Reading TOP | Corrected Reading BOTTOM |
|---|---|---|---|---|
| Recorder No. | | | | L-T56 |
| Initial BH Flow | | | | 30 |
| Final BH Flow | | | | 30 |
| Max. Recorded Shut In | Initial Undetermined | Final | | 625 140 |
| Initial Hydrostatic | | | | 2186 |
| Final Hydrostatic | | | | 2146 |

# JOHNSTON TESTERS, INC.

OFFICES: Houston, Texas - Los Angeles, Calif. Test Ticket No. 23970

Date 9-12-55 Customer's Order No.

COMPANY Aurora Gasoline Co.

LEASE AND WELL No. Hufford #1

FIELD W.C. COUNTY Kingman STATE Kansas

Mail Inv. To Roberts Hotel Pratt, Kansas

Mail Charts To Same

| | |
|---|---|
| Formation Test No. 1 OK? x Misrun? | Casing Test No. OK? Misrun? |
| Total Depth 4156 | Total (or PB) Depth |
| Interval Tested 4148 to 4156 | Perforations to |
| Size: Main Hole 7 7/8 Rat Hole | Size Casing Liner |
| Packer(s) Set At 4148 | Packer(s) Set At |
| Packer Size 6 5/8 X 20 Type BT | Packer Size Type |
| Anchor Length 8' Size 4½ Type FJ | Anchor Length Size |
| Tool Size 3½ Reg Tool Joint Size 4½ FH | Tool Size Tool Joint Size |

Fluid Cushion Kind Mud Weight 9.5 Viscosity 38

PRESSURE RECORDERS: Top Make Long Cap 3000 No.; 175 Bottom Make T Cap 3000 No. T 56

Below Straddle Top Make Cap No.; Bottom Make Cap No.

RESULTS

Set Packer 2:02 M; Tool Open 1 Hrs. 20 Min. Shut-in Time Initial 20 final undetermined Hrs. 20 Min. Packer Set 1 Hrs. 40 Min.

| | Size Choke | Max. Press. psi | Time | Description (Rate) of Flow |
|---|---|---|---|---|
| Surface | ½ | | | |
| Information | | | | |
| | | | | |

Blow Strong throughout test Bottom Choke Size ½

Max. Surface Press. # Did Well Flow? Yes No ; Fluid Rise: 80'

Oil, Gas, 50' S.O & G.cut Water, 30' H.O&G.C Mud, Sand

REMARKS Gas to surface in 55 min not measurable. 50' slightly oil & gas cut mud. 30' Heavy oil & gas cut mud. 7" free oil in A.P. carrier

Max. Temp. °F 124°

Type Circulating Tool Sleeve Pump Press. Hrs. Min.

Bottom Hole Sample Bomb Jar: Size Make No.

Extra Equipment None

Was Choke Plugged? No Perf. Plugged? No Other? No Did Mud Fall During Test? No

No. Rubbers Damaged? None Tool Rental Time 10 Operator's Time 12

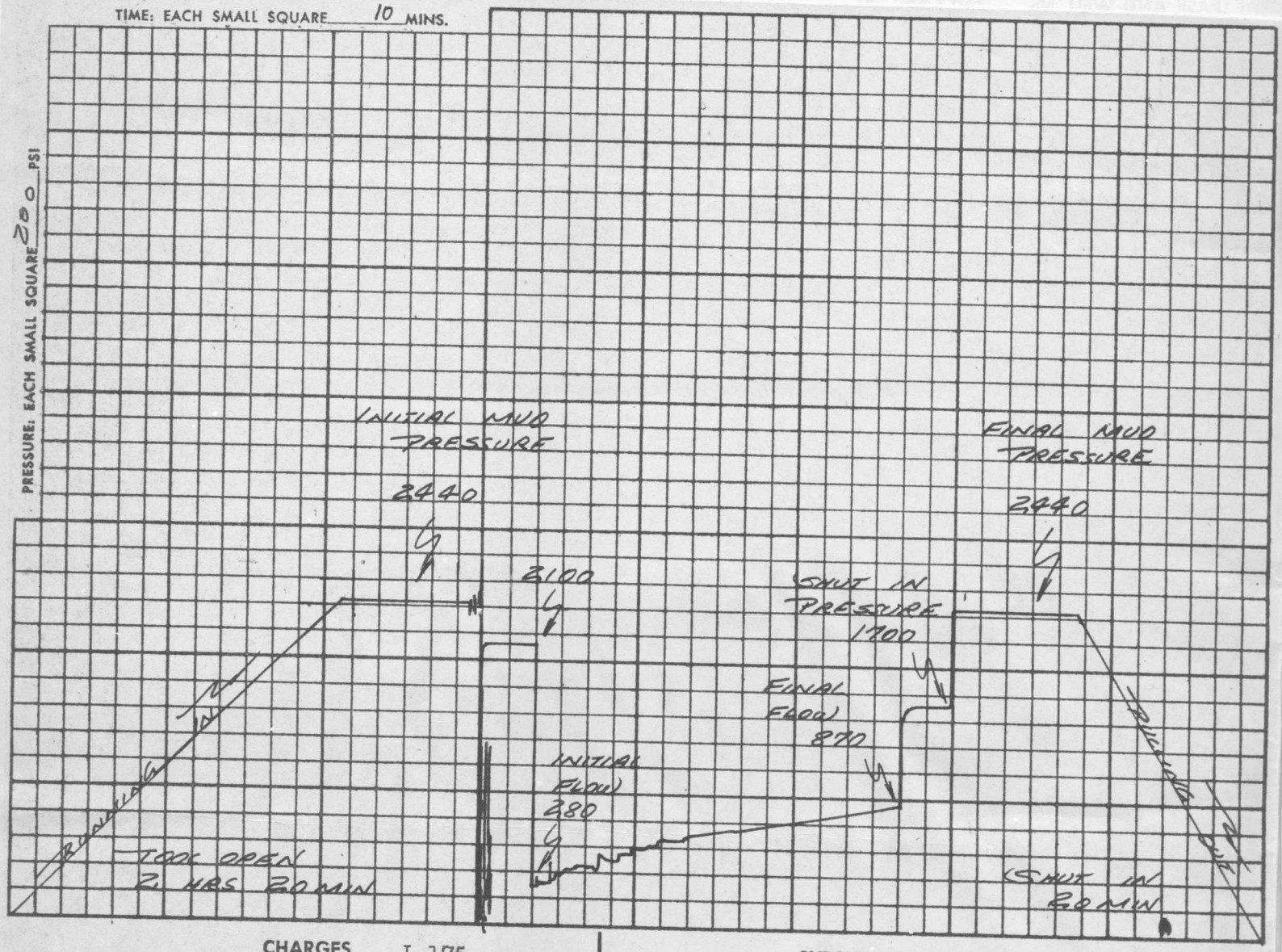


OPERATOR: Don Fletcher

TEST APPROVED BY: Unable to unidentify

No. of Copies Requested 3

LEASE AND WELL NO. Hufford #1 Formation TEST NO. 1




## CHARGES L-175

Test at ', $

Misrun at ', $

Rental on Tools —16 Hours at $2.50

Safety Joint

Dual Wall Packers

Testing Between Two Packers

Service Charge

Mileage Charge Mls. at ¢

Jars

Operators' Time —16 Hours at $2.50

Reservoir Sampler

Damaged Rubber Packer X

## SUBSURFACE PRESSURE DATA

| | Field Reading TOP | Field Reading BOTTOM | Corrected Reading TOP | Corrected Reading BOTTOM |
|---|---|---|---|---|
| Recorder No. | | | L-175 | |
| Initial BH Flow | | | 280 | |
| Final BH Flow | | | 870 | |
| Max. Recorded Shut In | | | 1700 | |
| Initial Hydrostatic | | | 2440 | |
| Final Hydrostatic | | | 2440 | |
| | | | | |
| | | | | |

# JOHNSTON TESTERS, INC.

OFFICES: Houston, Texas - Los Angeles, Calif. Test Ticket No. 23975

Date 9-16-55 Customer's Order No.

COMPANY Aurora Gasoline Co.

LEASE AND WELL No. Hufford #1

FIELD W.C. COUNTY Kingman STATE Kansas

Mail Inv. To Roberts Hotel Pratt, Kansas

Mail Charts To Same

| | |
|---|---|
| Formation Test No. 5 OK? X Misrun? | Casing Test No. OK? Misrun? |
| Total Depth 4554 | Total (or PB) Depth |
| Interval Tested 4550 to 4554 | Perforations to |
| Size: Main Hole 7 7/8 Rat Hole | Size Casing Liner |
| Packer(s) Set At 4550 | Packer(s) Set At |
| Packer Size 6 5/8 X 20 Type BT | Packer Size Type |
| Anchor Length 4' Size 4½ Type FJ | Anchor Length Size |
| Tool Size 3½ Reg Tool Joint Size 4½ FH | Tool Size Tool Joint Size |

Fluid Cushion None used Kind Mud Weight Viscosity

PRESSURE RECORDERS: Top Make Long Cap 3000 No.; 175 Bottom Make Long Cap 4500 No. 454

Below Straddle Top Make Cap No.; Bottom Make Cap No.

RESULTS

Set Packer 1:10 M; Tool Open 2 Hrs. 20 Min. Shut-in Hrs. 20 Min. Packer Set 2 Hrs. 40 Min.

| | Size Choke | Max. Press. psi | Time | Description (Rate) of Flow |
|---|---|---|---|---|
| Surface | ½ | | | |
| Information | | | | |
| | | | | |

Blow Strong throughout test Bottom Choke Size ½

Max. Surface Press. # Did Well Flow? Yes — No —; Fluid Rise: 1680'

Oil, Gassy Gas, 1560 Salt Water, 120' watery Mud, Sand

REMARKS

Max. Temp. °F

Type Circulating Tool Sleeve Pump Press. Hrs. Min.

Bottom Hole Sample Bomb Jar: Size Make No.

Extra Equipment None

Was Choke Plugged? No Perf. Plugged? No Other? No Did Mud Fall During Test? 15'

No. Rubbers Damaged? None Tool Rental Time 10 Operator's Time 12



OPERATOR: Don Fletcher

TEST APPROVED BY: Unable to identify name

No. of Copies Requested 3

LEASE AND WELL NO. Hufford #1 Formation TEST NO. 5