

Home Office: Great Bend, Kansas
P. O. Box 393 Gladstone 3-7903

COMPANY Aurora Gasoline Co. WELL Haas #1
DATE 3-19-58 COUNTY Rush STATE Kansas
TEST NO. #1 TICKET NO. 8752-K TYPE TEST Open hole (Conventional)
TEST APPROVED BY Paul D. Koontz WESTERN REPRESENTATIVE W. M. Nething

TEST DATA:

Tested From 3816' To 3832' Depth 3832'
Hydrostatic Mud Pressure—Initial (A) 2130# Final (B) 2130#
Flow Pressure—Initial (B) 140# Final (C) 140#
Bottom Hole Pressure—Initial (F) 1360# Final (D) 1240#
Tool Open 1 Hr. Min.; Shut-in-Initial 15 Hr. Min.; Shut-in-Final 30 Min.
Chokes; Surface 1/2" Bottom 3/4" Fluid Cushion: Type _____ Amount _____
Recovery: _____

930' Saltwater

SURFACE DATA:

BLOW: Fair blow throughout

Maximum Surface Pressure _____ Did Well Flow? _____

| Description of Flow | Time | Max. Pressure | Size Surface Choke |
|---------------------|-------|---------------|--------------------|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

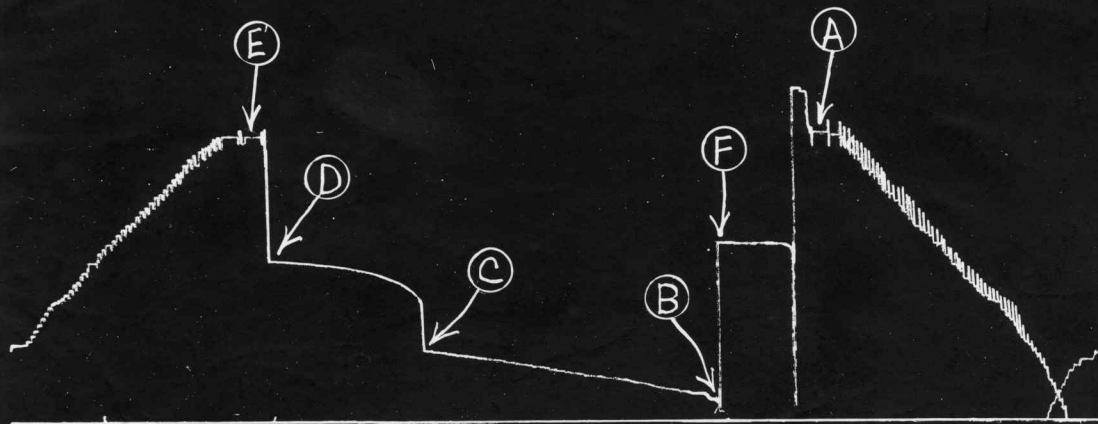
GENERAL OPERATIONAL DATA:

Hole Size: Main Hole 7 7/8" Rat Hole _____ Drill Pipe Size 4 1/2" F. H.
Hole Condition Good Mud Weight 51 Viscosity 10
Type Pressure Recorder Western Recorder No. 55 & 56 Date Calib. 12-21-57
Extra Equipment: Dual Packer No Jars No Safety Joint No
Was Test Recovery Reversed Out? Yes Bottom Hole Temperature Not Taken
Number of Copies Requested 4

REMARKS:

AURORA GASOLINE CO.
HAAS #1

TEST #1
TKT #8752K



This is an actual photograph of recorder chart.

PRESSURE DATA

| | |
|-----------------------------|-------|
| (A) Initial Hydrostatic Mud | 2130# |
| (B) Initial Flow | 140# |
| (C) Final Flow | 490# |
| (D) Final Shut-In | 1240# |
| (E) Final Hydrostatic Mud | 2130# |
| (F) Initial Shut-In | 1360# |

Point

| |
|-------|
| _____ |
| _____ |
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| _____ |
| _____ |
| _____ |

Pressure

| |
|-------|
| _____ |
| _____ |
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| _____ |
| _____ |
| _____ |

OPEN HOLE TEST

JOHNSTON TESTERS, INC.

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

OPEN HOLE TEST NO. 2 WELL: Haas #1 DATE 3/22/58
 FIELD Wild Cat COUNTY Rush STATE Kansas
 COMPANY Aurora Gasoline Company
 ADDRESS 1107 Union National Building; Wichita, Kansas
 TEST APPROVED BY Paul D. Koontz
 JOHNSTON OPERATOR Jerry Swertfeger TICKET NO. 16914 N

GENERAL TEST DATA

| TYPE TEST | | Conventional | | TOTAL DEPTH | | 4245' | |
|---|-------|--------------|-------|----------------------------|-----|--------|--------|
| 1. Test Interval: | 4232' | To | 4245' | 7. Fluid Cushion: Type | Mud | Amount | 2' |
| 2. Tool Open | 1 | Hrs. | | 8. Air Chamber Amount | 5' | Size: | 4 1/2" |
| 3. Initial Shut In | | Hrs. | 15 | 9. Did Packer(s) Hold? | Yes | | |
| 4. Final Shut In | | Hrs. | 40 | 10. Did Tool Plug? | No | Where? | |
| 5. Choke: Top | 1/8" | Bottom | 1/8" | 11. Was Test Reversed Out? | No | | |
| 6. Fluid Recovery | 1150' | Total, | | | | | |
| 1150' salt water, slightly gas cut with few spots of oil. | | | | | | | |

REMARKS:

SURFACE INFORMATION

| | | | |
|-----------------------------|------------|----------------|--------------------|
| 1. Blow: | Good blow. | | |
| 2. Maximum Surface Pressure | - | Did Well Flow? | No |
| Description Or Rate of Flow | Time | Max. Pressure | Size Surface Choke |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

MUD, HOLE, & TOOL DATA

| MUD, HOLE & JOHNSTON TOOL DATA | | | |
|--------------------------------|----------|-----------------|--------|
| MUD: Type | Starch | Weight | 9.7 |
| HOLE: Main Hole Size | 7 7/8" | Viscosity | 63 |
| Rat Hole Size | - | Drill Pipe Size | 4 1/2" |
| JOHNSTON TOOLS: | | | |
| 1. Packer(s): Type | Bob tail | O.D. | 6 5/8" |
| Set At | 4232' | Type | O.D. |
| 2. Extra Equipment: | None. | | |

Number of Copies Requested: 5x

5-

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OPEN HOLE TEST

JOHNSTON TESTERS, INC.

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

DATE 3/22/58

OPEN HOLE TEST NO. 3 WELL: Haas #1
FIELD Wild Cat COUNTY Rush STATE Kansas

COMPANY Aurora Gasoline Company
ADDRESS 1107 Union National Building, Wichita, Kansas
TEST APPROVED BY Paul D. Koontz
JOHNSTON OPERATOR Jerry Swertfeger TICKET NO. 16915 N

GENERAL TEST DATA

| TYPE TEST | | Conventional | | TOTAL DEPTH | | 4272' | |
|--------------------|-------|--------------|-------|------------------------|--------------------|----------------------------|-----------|
| 1. Test Interval: | 4263' | To | 4272' | 7. Fluid Cushion: Type | Mud | Amount | 4' |
| 2. Tool Open | 1 | Hrs. | | Min | | 8. Air Chamber Amount | 3' |
| 3. Initial Shut In | | Hrs. | 15 | Min | | 9. Did Packer(s) Hold? | Yes |
| 4. Final Shut In | | Hrs. | 30 | Min | | 10. Did Tool Plug? | No Where? |
| 5. Choke: Top | 1/2" | Bottom | 1/2" | | | 11. Was Test Reversed Out? | No |
| 6. Fluid Recovery | | | | 30' | Total, | | |
| | | | | 30' | mud. | | |
| | | | | 120' | gas in drill pipe. | | |

REMARKS:

Hit bridge while going in hole, thermometer and clock broke.

SURFACE INFORMATION

| | | | |
|-----------------------------|--|----------------|--------------------|
| 1. Blow: | Very weak blow for 25 minutes, by-passed tool after 40 minutes; very weak blow for 1 minute. | | |
| 2. Maximum Surface Pressure | - | Did Well Flow? | No |
| Description Or Rate of Flow | Time | Max. Pressure | Size Surface Choke |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

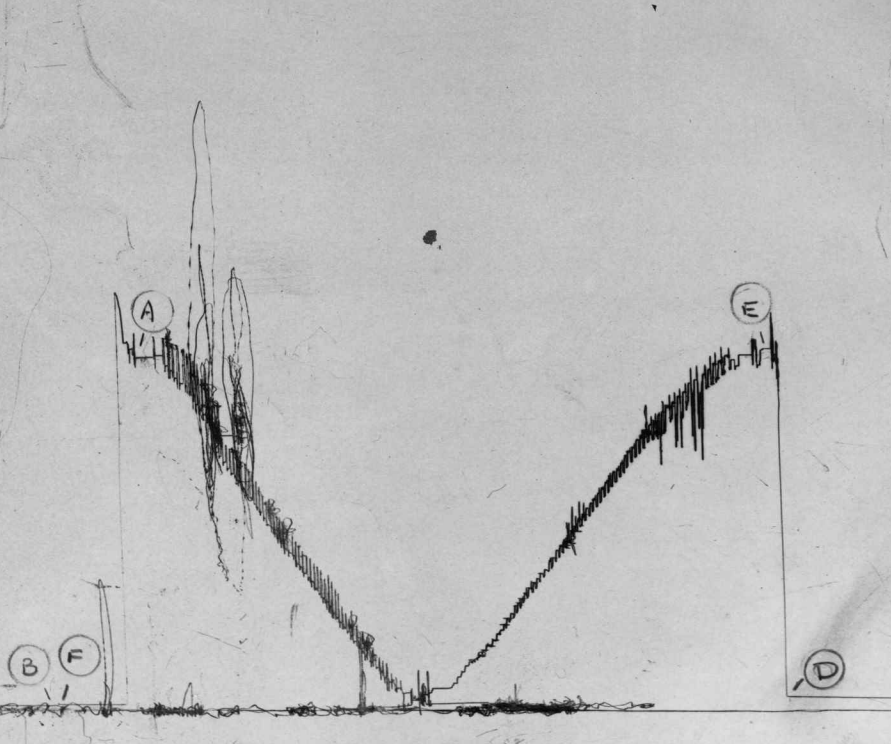
MUD, HOLE, & TOOL DATA

MUD, HOLE & JOHNSTON TOOL DATA

| | | | | | |
|----------------------|----------|-----------------|--------|-----------|------|
| MUD: Type | Starch | Weight | 10.1 | Viscosity | 48 |
| HOLE: Main Hole Size | 7 7/8" | Drill Pipe Size | 4 1/2" | | |
| Rat Hole Size | - | | | | |
| JOHNSTON TOOLS: | | | | | |
| 1. Packer(s): Type | Bob tail | O.D. | 6 5/8" | Type | O.D. |
| Set At | 4263' | Set At | | | |
| 2. Extra Equipment: | | | | | |
| None. | | | | | |

Number of Copies Requested: 5x

T#16915N L-72 4500# 5



No. L-72
Cap. 4500#
Location 4268'

| PRESSURE DATA | |
|-------------------------|------|
| Initial Hydrostatic Mud | 2320 |
| Initial Flow | 1 |
| Final Flow | 46 |
| Final Shut-In | 51 |
| Final Hydrostatic Mud | 2385 |
| "Initial Shut-In" | 7 |

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marks: