

OPEN HOLE TEST

JOHNSTON TESTERS, INC.

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

OPEN HOLE TEST NO. #1 WELL: Kennedy A-1 DATE 6-23-56
 FIELD Wildcat COUNTY Comanche STATE Kansas

COMPANY Grahamart & Miller
 ADDRESS 501 Petroleum Building, Wichita, Kansas
 TEST APPROVED BY Walter H. Martz, Jr.
 JOHNSTON OPERATOR B. G. Palmer TICKET NO. 51907

GENERAL TEST DATA

| | | |
|--|---|--------------------------|
| TYPE TEST <u>Conventional</u> | | TOTAL DEPTH <u>4975'</u> |
| 1. Test Interval: <u>4938'</u> To <u>4975'</u> | 7. Fluid Cushion: Type <u>None</u> Amount _____ | |
| 2. Tool Open <u>1</u> Hrs. _____ Min _____ | 8. Air Chamber Amount _____ Size: _____ | |
| 3. Initial Shut In _____ Hrs. _____ Min _____ | 9. Did Packer(s) Hold? <u>Yes</u> | |
| 4. Final Shut In _____ Hrs. <u>30</u> Min _____ | 10. Did Tool Plug? <u>No</u> Where? _____ | |
| 5. Choke: Top <u>1/2"</u> Bottom <u>1/2"</u> | 11. Was Test Reversed Out? <u>No</u> | |
| 6. Fluid Recovery <u>125'</u> Total, <u>125'</u> slightly gas cut mud | | |

REMARKS: Gas to surface in 4 minutes.

SURFACE INFORMATION

| | | | |
|---|--------------------------------|---------------|--------------------|
| 1. Blow: <u>Good blow.</u> | Did Well Flow? <u>No</u> | | |
| 2. Maximum Surface Pressure <u>None</u> | Size Surface Choke <u>1/8"</u> | | |
| Description Or Rate of Flow | Time | Max. Pressure | Size Surface Choke |
| <u>648,000</u> | <u>10 min.</u> | | <u>1/8"</u> |
| <u>734,000</u> | <u>20 min.</u> | | |
| <u>768,000</u> | <u>30 min.</u> | | |
| <u>734,000</u> | <u>45 min.</u> | | |
| <u>734,000</u> | <u>1 hour</u> | | |

MUD, HOLE, & TOOL DATA

MUD, HOLE & JOHNSTON TOOL DATA

MUD: Type Davis, Weight _____, Viscosity 9.2
 HOLE: Main Hole Size 7 7/8, Drill Pipe Size 4 1/2 FH
 Rat Hole Size --
 JOHNSTON TOOLS:
 1. Packer(s): Type BT O.D. 6 5/8 Type _____ O.D. _____
 Set At 4938' Set At _____
 2. Extra Equipment: None

Number of Copies Requested: 3

OPEN HOLE TEST

JOHNSTON TESTERS, INC.

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

OPEN HOLE TEST NO. #2 WELL: Kennedy #A-1 DATE 6-23-56.
 FIELD Wildcat COUNTY Comanche STATE Kansas

COMPANY Grahamart and Miller
 ADDRESS 501 Petroleum Building, Wichita, Kansas
 TEST APPROVED BY Walter H. Martz, Jr.
 JOHNSTON OPERATOR B. G. Palmer TICKET NO. 51908

GENERAL TEST DATA

| | | |
|---|---|---|
| TYPE TEST <u>Conventional</u> | | TOTAL DEPTH <u>4995'</u> |
| 1. Test Interval: <u>4978'</u> To <u>4995'</u> | 7. Fluid Cushion: Type <u>None</u> Amount _____ | 8. Air Chamber Amount <u>30'</u> Size: <u>4 1/2" FH</u> |
| 2. Tool Open <u>1</u> Hrs. _____ Min _____ | 9. Did Packer(s) Hold? <u>Yes</u> | 10. Did Tool Plug? <u>No</u> Where? _____ |
| 3. Initial Shut In _____ Hrs. <u>20</u> Min _____ | 11. Was Test Reversed Out? <u>No</u> | |
| 4. Final Shut In _____ Hrs. <u>30</u> Min _____ | | |
| 5. Choke: Top <u>1/2"</u> Bottom <u>1/2"</u> | | |
| 6. Fluid Recovery <u>30'</u> Total, <u>30'</u> slightly gas cut mud | | |

REMARKS:

Gas to surface in 22 minutes.

SURFACE INFORMATION

1. Blow: Good blow

2. Maximum Surface Pressure None Did Well Flow? No

| Description Or Rate of Flow | Time | Max. Pressure | Size Surface Choke |
|-----------------------------|----------------|---------------|--------------------|
| <u>62,000</u> | <u>30 min.</u> | | <u>1/2"</u> |
| <u>44,000</u> | <u>45 min.</u> | | |
| <u>Insufficient</u> | <u>1 hour</u> | | |

MUD, HOLE, & TOOL DATA

MUD, HOLE & JOHNSTON TOOL DATA

MUD: Type Davis, Weight _____, Viscosity 9.2

HOLE: Main Hole Size 7 7/8, Drill Pipe Size 4 1/2" FH

Rat Hole Size ---

JOHNSTON TOOLS:

1. Packer(s): Type BT O.D. 6 5/8 Type _____ O.D. _____
 Set At 4978' Set At _____

2. Extra Equipment: None

Number of Copies Requested: 3

OPEN HOLE TEST

JOHNSTON TESTERS, INC.

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

DATE 6-24-56

OPEN HOLE TEST NO. #3 WELL: Kennedy A-1
 FIELD Wildcat COUNTY Comanche STATE Kansas

COMPANY Grahamart and Miller
 ADDRESS 501 Petroleum Building, Wichita, Kansas
 TEST APPROVED BY Walter H. Martz, Jr.
 JOHNSTON OPERATOR B. G. Palmer TICKET NO. 51909

GENERAL TEST DATA

| | | |
|--|---|--------------------------|
| TYPE TEST <u>Conventional</u> | | TOTAL DEPTH <u>5025'</u> |
| 1. Test Interval: <u>4995'</u> To: <u>5025'</u> | 7. Fluid Cushion: Type <u>None</u> Amount _____ | |
| 2. Tool Open <u>1</u> Hrs. _____ Min _____ | 8. Air Chamber Amount _____ Size: _____ | |
| 3. Initial Shut In _____ Hrs. _____ Min _____ | 9. Did Packer(s) Hold? <u>Yes</u> | |
| 4. Final Shut In _____ Hrs. <u>30</u> Min _____ | 10. Did Tool Plug? <u>No</u> Where? _____ | |
| 5. Choke: Top <u>1/2"</u> Bottom <u>1/2"</u> | 11. Was Test Reversed Out? <u>No</u> | |
| 6. Fluid Recovery <u>330'</u> Total, <u>90'</u> water cut mud <u>240'</u> muddy salt water | | |

REMARKS:

Gas to surface in 4 minutes.

SURFACE INFORMATION

| | | | |
|---|--------------------------|---------------|--------------------|
| 1. Blow: <u>Strong blow</u> | | | |
| 2. Maximum Surface Pressure <u>None</u> | Did Well Flow? <u>No</u> | | |
| Description Or Rate of Flow | Time | Max. Pressure | Size Surface Choke |
| <u>481,000</u> | <u>10:43</u> | | <u>1/2"</u> |
| <u>560,000</u> | <u>10:53</u> | | |
| <u>560,000</u> | <u>11:03</u> | | |
| <u>537,000</u> | <u>11:18</u> | | |
| <u>496,000</u> | <u>11:33</u> | | |

MUD, HOLE, & TOOL DATA

MUD, HOLE & JOHNSTON TOOL DATA

MUD: Type Davis, Weight 9.0 Viscosity 45
 HOLE: Main Hole Size 7 7/8 Drill Pipe Size 4 1/2" FG
 Rat Hole Size --
 JOHNSTON TOOLS:
 1. Packer(s): Type BT O.D. 5/8 Type _____ O.D. _____
 Set At 4995' Set At _____
 2. Extra Equipment: None

Number of Copies Requested: 3

OPEN HOLE TEST

JOHNSTON TESTERS, INC.

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

DATE 6-27-56

OPEN HOLE TEST NO. 4 WELL: Kennedy #1
 FIELD W.C. COUNTY Comanche STATE Kansas

COMPANY Grahamhart - Miller Oil Co.
 ADDRESS 501 Pat. Bldg. Wichita, Kansas
 TEST APPROVED BY Walter H. Mortz Jr.
 JOHNSTON OPERATOR C.B. Petty TICKET NO. 51872

GENERAL TEST DATA

| | | |
|--|---|-------------------------|
| TYPE TEST <u>Straddle</u> | | TOTAL DEPTH <u>5111</u> |
| 1. Test Interval: <u>5024'</u> To <u>5054'</u> | 7. Fluid Cushion: Type <u>-</u> Amount <u>-</u> | |
| 2. Tool Open <u>1</u> Hrs. <u>-</u> Min <u>-</u> | 8. Air Chamber Amount <u>-</u> Size: <u>-</u> | |
| 3. Initial Shut In <u>-</u> Hrs. <u>-</u> Min <u>-</u> | 9. Did Packer(s) Hold? <u>Yes</u> | |
| 4. Final Shut In <u>-</u> Hrs. <u>30</u> Min <u>-</u> | 10. Did Tool Plug? <u>No</u> Where? <u>-</u> | |
| 5. Choke: Top <u>1/2"</u> Bottom <u>1/2"</u> | 11. Was Test Reversed Out? <u>No</u> | |
| 6. Fluid Recovery <u>1100'</u> Total, | | |
| <u>1100'</u> Very slightly oil & gas cut salt water. | | |
| <u>180'</u> Gas in pipe. | | |

REMARKS:

SURFACE INFORMATION

1. Blow: Good through out test.

2. Maximum Surface Pressure - Did Well Flow? Yes

| Description Or Rate of Flow | Time | Max. Pressure | Size Surface Choke |
|-----------------------------|------|---------------|--------------------|
| | | | <u>1/2"</u> |
| | | | |
| | | | |
| | | | |

MUD, HOLE, & TOOL DATA

MUD, HOLE & JOHNSTON TOOL DATA

MUD: Type Starch, Weight 9.3 Viscosity 59

HOLE: Main Hole Size 7 7/8" Drill Pipe Size 4 1/2" F.H.
 Rat Hole Size -

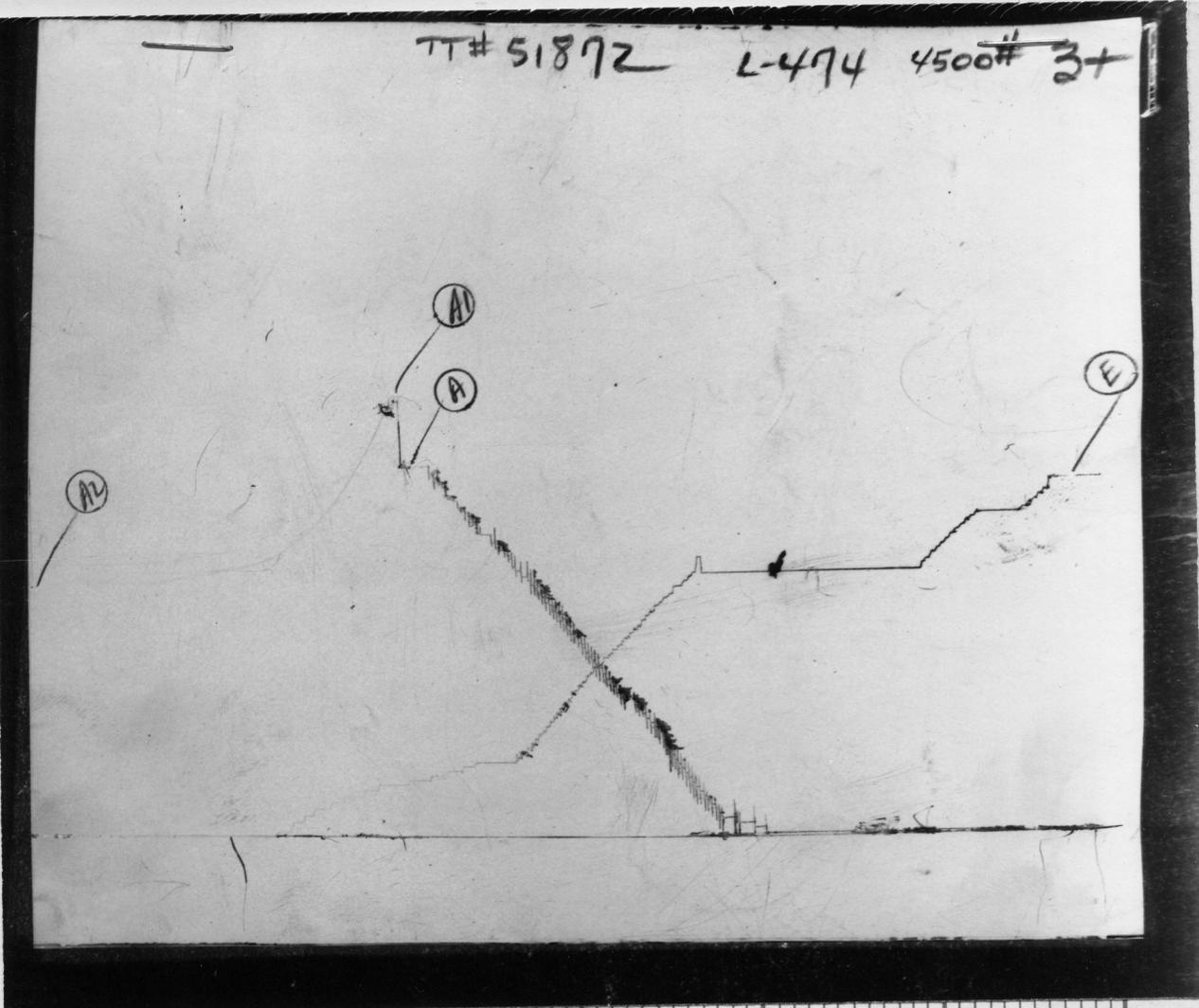
JOHNSTON TOOLS:

1. Packer(s): Type B.T. O.D. 6 5/8" Type Conv. O.D. 6 3/4"
 Set At 5024' Set At 5054'

2. Extra Equipment: Jars & Stradel test & one extra clock.

Number of Copies Requested: 3

TT# 51872 L-474 4500# 3+



Test Ticket No. 51872 Pressure Recorder: No. L-474
 Chart Number _____ Cap. 4500#
 Location 5007

| PRESSURE DATA | | Point | Pressure | Point | Pressure |
|--------------------------------|-------------------------|-------|----------|-------|----------|
| A | Initial Hydrostatic Mud | A 1 | 3240 | | |
| B | Initial Flow | A 2 | 1907 | | |
| C | Final Flow | | | | |
| D | Final Shut-In | | | | |
| E | Final Hydrostatic Mud | | | | |
| F | "Initial Shut-In" | | | | |
| Remarks: <u>Below Straddle</u> | | | | | |