P. O. BOX 1599
WICHITA, KANSAS 67201

Company Rains & Williamson Oil Co., Inc. Lease & Well No. Dietz A#1

Elevation 1919 Kelly Bush. Formation Lansing Effective Pay - Ft. Ticket No. 24055

Date 2-8-75 Sec. 22 Twp. 16S Range 16W County Rush State Kansas

Test Approved by Doug McGinness Western Representative Darrel Ferguson

Formation Test No. 1 O.K. Misrun Interval Tested From 3286' to 3300' Total Depth 3300'

Size Main Hole 7 7/8 Rat Hole - Conv. - B.T. X Damaged - Yes X No Conv. X B.T. - Damaged - Yes X No

Top Packer Depth 3280 Ft. Size 6 3/4 Bottom Packer Depth 3286 Ft. Size 6 3/4

Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -

Tool Size 5½OD Tool Joint Size 4½FH Anchor Length 14 Ft. Size 5½OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3292 Ft. Clock No. 6899 Depth 3295 Ft. Clock No. 6895

Top Make Kuster Cap. 4150 No. 3660 Inside Outside Bottom Make Kuster Cap. 4150 No. 3659 ~~Inside~~ Outside

Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 12:58 P M **No Readings Available.**

Tool Open I.F.P. From 1:00P M. to 1:30P M. - Hr. 30 Min. From (B) - P.S.I. To (C) - P.S.I.

Tool Closed I.C.I.P. From 1:30P M. to 2:00P M. - Hr. 30 Min (D) - P.S.I.

Tool Open F.F.P. From 2:00P M. to 3:00P M. - Hr. 60 Min. From (E) - P.S.I. To (F) - P.S.I.

Tool Closed F.C.I.P. From 3:00P M. to 3:30P M. - Hr. 30 Min. (G) - P.S.I.

Initial Hydrostatic Pressure (A) 1784 P.S.I. Final Hydrostatic Pressure (H) 1770 P.S.I. Maximum Temp. -

## INFORMATION

BLOW Weak, increasing to a 6" fair blow throughout test.

Did Well Flow - Yes X No Recovery Total Ft. 1480' drilling mud.

Reversed Out - Yes X No Mud Type Salt Viscosity 36 Weight 9.6 Water Loss 20 cc. Chlorides -

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Bergman Drilling Co. Length Drill Pipe? 2478 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH In.

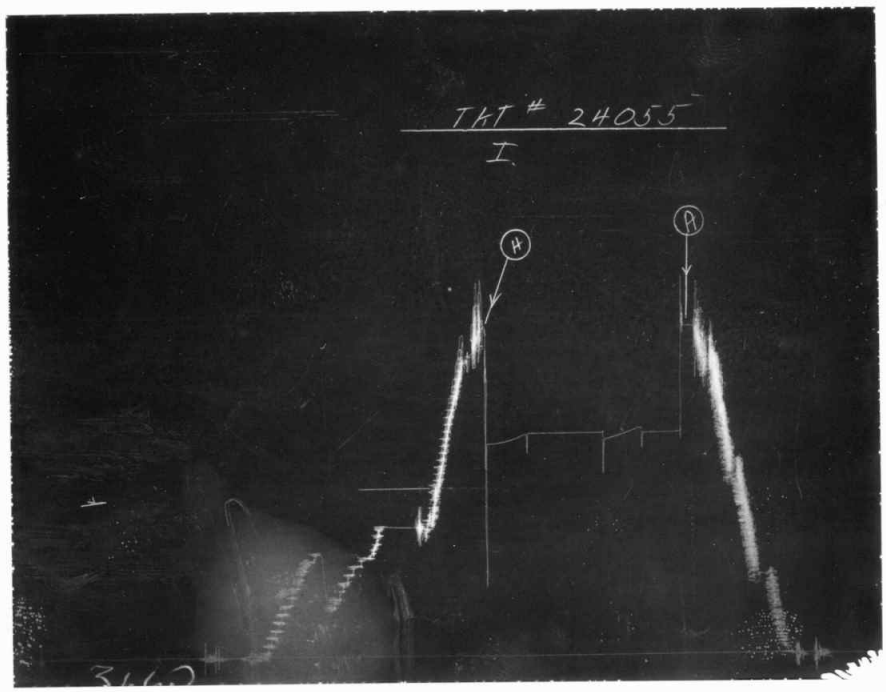
Length Weight Pipe 787 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4½FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 35 Ft.

Remarks:

Found hole in pipe 1480' from test tool. (Misrum)

COMPANY Rains & Williamson Oil Co., Inc. LEASE AND WELL NO. Dietz A#1 SEC. 22 TWP. 16S RGE. 16W TEST NO. 1 DATE 2-8-75




This is an actual photograph of recorder chart.

| POINT | | PRESSURE Field Reading | Office Reading | |
|---|---|---|---|---|
| (A) | Initial Hydrostatic Mud | 1776 | 1784 | PSI |
| (B) | First Initial Flow Pressure | Readings Not Available | | PSI |
| (C) | First Final Flow Pressure | " | " | PSI |
| (D) | Initial Closed-in Pressure | " | " | PSI |
| (E) | Second Initial Flow Pressure | " | " | PSI |
| (F) | Second Final Flow Pressure | " | " | PSI |
| (G) | Final Closed-in Pressure | " | " | PSI |
| (H) | Final Hydrostatic Mud | 1776 | 1770 | PSI |

P. O. BOX 1599
WICHITA, KANSAS 67201

Company Rains & Williamson Oil Co., Inc. Lease & Well No. Dietz A#1

Elevation 1919 Kelly Bush. Formation Lansing Effective Pay - Ft. Ticket No. 24056

Date 2-8-75 Sec. 22 Twp. 16 S Range 16W County Rush State Kansas

Test Approved by Doug McGinness Western Representative Darrel Ferguson

Formation Test No. 2 O.K. x Misrun - Interval Tested From 3286' to 3300' Total Depth 3300'

Size Main Hole 7 7/8 Rat Hole - Conv. - B.T. x Damaged - Yes x No Conv. x B.T. - Damaged - Yes x No

Top Packer Depth 3280 Ft. Size 6 3/4 Bottom Packer Depth 3286 Ft. Size 6 3/4

Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -

Tool Size 5½OD Tool Joint Size 4½FH Anchor Length 14 Ft. Size 5½OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3292 Ft. Clock No. 6899 Depth 3295 Ft. Clock No. 6895

Top Make Kuster Cap. 4150 No. 3660 Inside Outside Bottom Make Kuster Cap. 4150 No. 3659 ~~Inside~~ Outside

Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 9:20 P M

Tool Open I.F.P. From 9:22P M. to 9:52P M. - Hr. 30 Min. From (B) 14 P.S.I. To (C) 17 P.S.I.

Tool Closed I.C.I.P. From 9:52P M. to 10:22P M. - Hr. 30 Min (D) 956 P.S.I.

Tool Open F.F.P. From 10:22P M. to 11:52P M. - Hr. 60 Min. From (E) 24 P.S.I. To (F) 30 P.S.I.

Tool Closed F.C.I.P. From 11:22P M. to 11:52P M. - Hr. 30 Min. (G) 847 P.S.I.

Initial Hydrostatic Pressure (A) 1713 P.S.I. Final Hydrostatic Pressure (H) 1703 P.S.I. Maximum Temp. -

## INFORMATION

BLOW Weak 1" blow slowly diminishing to nothing in second opening.

Did Well Flow - Yes x No Recovery Total Ft. 30' drilling mud.

Reversed Out - Yes x No Mud Type Salt Viscosity 36 Weight 9.6 Water Loss 20 cc. Chlorides -

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Bergman Drilling Co. Length Drill Pipe? 2478 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH In.

Length Weight Pipe 787 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4½FH Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 35 Ft.

Remarks:

## WESTERN TESTING CO., INC.
### Pressure Data

Date 2-8-75 Test Ticket No. 24056

Recorder No. 3660 Capacity 4150 Location 3292 Ft.

Clock No. 6899 Elevation 1919 Kelly Bushing Well Temperature - °F

| Point | Pressure | | Time Given | Time Computed |
|---|---|---|---|---|
| A Initial Hydrostatic Mud | 1713 P.S.I. | Open Tool | 9:20 PM | |
| B First Initial Flow Pressure | 14 P.S.I. | First Flow Pressure | 30 Mins. | 27 Mins. |
| C First Final Flow Pressure | 17 P.S.I. | Initial Closed-in Pressure | 30 Mins. | 30 Mins. |
| D Initial Closed-in Pressure | 956 P.S.I. | Second Flow Pressure | 60 Mins. | 60 Mins. |
| E Second Initial Flow Pressure | 24 P.S.I. | Final Closed-in Pressure | 30 Mins. | 30 Mins. |
| F Second Final Flow Pressure | 30 P.S.I. | | | |
| G Final Closed-in Pressure | 847 P.S.I. | | | |
| H Final Hydrostatic Mud | 1703 P.S.I. | | | |

## PRESSURE BREAKDOWN

**First Flow Pressure**
Breakdown: 5 Inc. of 5 mins. and a final inc. of 2 Min.

| Point | Mins. | Press. |
|---|---|---|
| P 1 | 0 | 14 |
| P 2 | 5 | 14 |
| P 3 | 10 | 15 |
| P 4 | 15 | 15 |
| P 5 | 20 | 16 |
| P 6 | 25 | 17 |
| P 7 | 27 | 17 |
| P 8 | | |
| P 9 | | |
| P10 | | |
| P11 | | |
| P12 | | |
| P13 | | |
| P14 | | |
| P15 | | |
| P16 | | |
| P17 | | |
| P18 | | |
| P19 | | |
| P20 | | |

**Initial Shut-In**
Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.

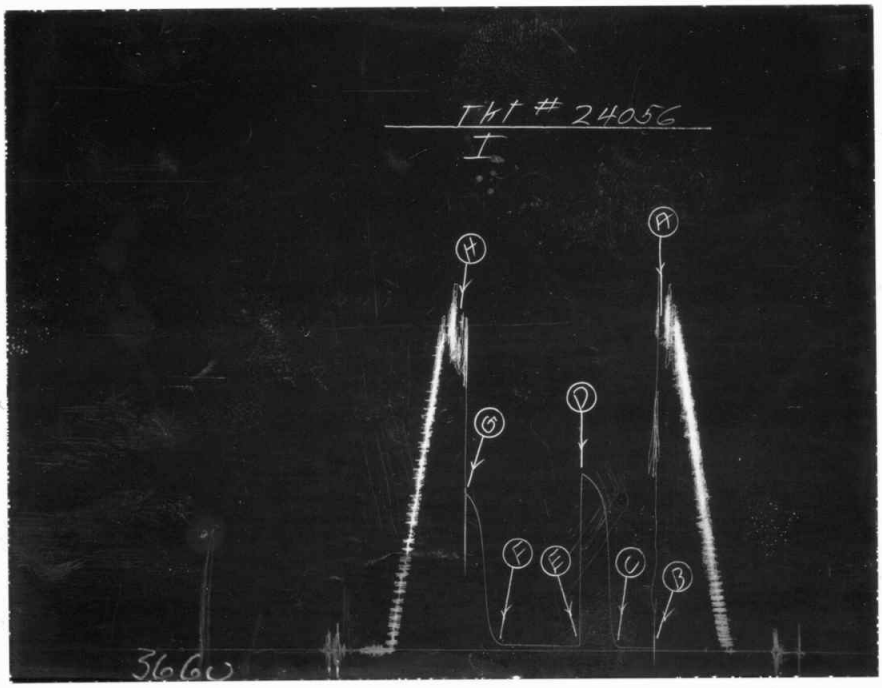
| Point | Minutes | Press. |
|---|---|---|
| P 1 | 0 | 17 |
| P 2 | 3 | 34 |
| P 3 | 6 | 113 |
| P 4 | 9 | 498 |
| P 5 | 12 | 728 |
| P 6 | 15 | 823 |
| P 7 | 18 | 871 |
| P 8 | 21 | 901 |
| P 9 | 24 | 924 |
| P10 | 27 | 942 |
| P11 | 30 | 956 |
| P12 | | |
| P13 | | |
| P14 | | |
| P15 | | |
| P16 | | |
| P17 | | |
| P18 | | |
| P19 | | |
| P20 | | |

**Second Flow Pressure**
Breakdown: 12 Inc. of 5 mins. and a final inc. of 0 Min.

| Point | Minutes | Press. |
|---|---|---|
| P 1 | 0 | 24 |
| P 2 | 5 | 24 |
| P 3 | 10 | 24 |
| P 4 | 15 | 25 |
| P 5 | 20 | 25 |
| P 6 | 25 | 26 |
| P 7 | 30 | 27 |
| P 8 | 35 | 27 |
| P 9 | 40 | 28 |
| P10 | 45 | 29 |
| P11 | 50 | 29 |
| P12 | 55 | 30 |
| P13 | 60 | 30 |
| P14 | | |
| P15 | | |
| P16 | | |
| P17 | | |
| P18 | | |
| P19 | | |
| P20 | | |

**Final Shut-In**
Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.

| Point | Minutes | Press. |
|---|---|---|
| P 1 | 0 | 30 |
| P 2 | 3 | 38 |
| P 3 | 6 | 60 |
| P 4 | 9 | 111 |
| P 5 | 12 | 249 |
| P 6 | 15 | 502 |
| P 7 | 18 | 698 |
| P 8 | 21 | 772 |
| P 9 | 24 | 810 |
| P10 | 27 | 837 |
| P11 | 30 | 847 |
| P12 | | |
| P13 | | |
| P14 | | |
| P15 | | |
| P16 | | |
| P17 | | |
| P18 | | |
| P19 | | |
| P20 | | |




This is an actual photograph of recorder chart.

| POINT | | PRESSURE Field Reading | Office Reading | |
|---|---|---|---|---|
| (A) | Initial Hydrostatic Mud | 1716 | 1713 | PSI |
| (B) | First Initial Flow Pressure | 20 | 14 | PSI |
| (C) | First Final Flow Pressure | 20 | 17 | PSI |
| (D) | Initial Closed-in Pressure | 942 | 956 | PSI |
| (E) | Second Initial Flow Pressure | 25 | 24 | PSI |
| (F) | Second Final Flow Pressure | 30 | 30 | PSI |
| (G) | Final Closed-in Pressure | 833 | 847 | PSI |
| (H) | Final Hydrostatic Mud | 1706 | 1703 | PSI |

COMPANY Rains & Williamson Oil Co., Inc. LEASE AND WELL NO. Dietz A#1 SEC. 22 TWP. 16S RGE. 16W TEST NO. 2 DATE 2-8-75