WESTERN TESTERS

P. O. BOX 1599
WICHITA, KANSAS 67201

Company Abercrombie Drilling Inc. Lease & Well No. Seifried #3

Elevation 2648 Derrick Floor Formation Kansas City Effective Pay - Ft. Ticket No. 24655

Date 5-12-75 Sec. 12 Twp. 18S Range 28W County Lane State Kansas

Test Approved by Orlin R. Phelps Western Representative Gerrell Veatch

Formation Test No. 1 O.K. X Misrun - Interval Tested From 4157' to 4167' Total Depth 4167'

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 4152 Ft. Size 6 3/4 Bottom Packer Depth 4157 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 10 Ft. Size 5½OD Surface Choke Size 3/8 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4160 Ft. Clock No. 10412 Depth 4164 Ft. Clock No. 6893

Top Make Kuster Cap. 4500 No. 3086 ~~Inside~~ ~~Outside~~ Bottom Make Kuster Cap. 4200 No. 1558 ~~Inside~~ Outside

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

Time Set Packer 4:43 P M

Tool Open I.F.P. From 4:45 P M. to 5:15P M. - Hr. 30 Min. From (B) 4 P.S.I. To (C) 19 P.S.I.

Tool Closed I.C.I.P. From 5:15P M. to 6:00P M. - Hr. 45 Min (D) 1153 P.S.I.

Tool Open F.F.P. From 6:00P M. to 7:00P M. - Hr. 60 Min. From (E) 44 P.S.I. To (F) 71 P.S.I.

Tool Closed F.C.I.P. From 7:00P M. to 7:45P M. - Hr. 45 Min. (G) 1147 P.S.I.

Initial Hydrostatic Pressure (A) 2170 P.S.I. Final Hydrostatic Pressure (H) 2148 P.S.I. Maximum Temp. 130

## INFORMATION

BLOW Weak blow throughout test.

Did Well Flow - Yes X No Recovery Total Ft. 155' muddy salt water with few specks of oil.

Reversed Out - Yes X No Mud Type Starch Viscosity 43 Weight 9.8 Water Loss 13.0 cc. Chlorides 34,000 PPM

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 Abercrombie Drilling Inc. Length Drill Pipe? 3057 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH In.

Length Weight Pipe 1080 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4½XH In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 30 Ft.

Remarks:

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

Date 5-12-75 Test Ticket No. 24655

Recorder No. 3086 Capacity 4500 Location 4160 Ft.

Clock No. 10412 Elevation 2648 Derrick Floor Well Temperature 130 °F

| Point | Pressure | | Time Given | Time Computed |
|---|---|---|---|---|
| A Initial Hydrostatic Mud | 2170 P.S.I. | Open Tool | 4:43 P M | |
| B First Initial Flow Pressure | 4 P.S.I. | First Flow Pressure | 30 Mins. | 30 Mins. |
| C First Final Flow Pressure | 19 P.S.I. | Initial Closed-in Pressure | 45 Mins. | 45 Mins. |
| D Initial Closed-in Pressure | 1153 P.S.I. | Second Flow Pressure | 60 Mins. | 60 Mins. |
| E Second Initial Flow Pressure | 44 P.S.I. | Final Closed-in Pressure | 45 Mins. | 45 Mins. |
| F Second Final Flow Pressure | 71 P.S.I. | | | |
| G Final Closed-in Pressure | 1147 P.S.I. | | | |
| H Final Hydrostatic Mud | 2148 P.S.I. | | | |

## PRESSURE BREAKDOWN

**First Flow Pressure**
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

| Point Mins. | Press. |
|---|---|
| P 1 0 | 4 |
| P 2 5 | 4 |
| P 3 10 | 5 |
| P 4 15 | 7 |
| P 5 20 | 11 |
| P 6 25 | 16 |
| P 7 30 | 19 |
| P 8 | |
| P 9 | |
| P10 | |
| P11 | |
| P12 | |
| P13 | |
| P14 | |
| P15 | |
| P16 | |
| P17 | |
| P18 | |
| P19 | |
| P20 | |

**Initial Shut-In**
Breakdown: 15 Inc.
of 3 mins. and a
final inc. of 0 Min.

| Point Minutes | Press. |
|---|---|
| 0 | 19 |
| 3 | 1005 |
| ~~6~~ | ~~1123~~ |
| 9 | 1135 |
| 12 | 1142 |
| ~~15~~ | ~~1146~~ |
| ~~18~~ | ~~1147~~ |
| 21 | 1148 |
| ~~24~~ | ~~1149~~ |
| ~~27~~ | ~~1150~~ |
| 30 | 1151 |
| ~~33~~ | ~~1152~~ |
| ~~36~~ | ~~1152~~ |
| 39 | 1152 |
| ~~42~~ | ~~1153~~ |
| 45 | 1153 |

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

| Point Minutes | Press. |
|---|---|
| 0 | 44 |
| 5 | 40 |
| ~~10~~ | ~~40~~ |
| 15 | 42 |
| 20 | 44 |
| ~~25~~ | ~~46~~ |
| 30 | 48 |
| 35 | 53 |
| ~~40~~ | ~~58~~ |
| 45 | 62 |
| 50 | 64 |
| ~~55~~ | ~~68~~ |
| 60 | 71 |

**Final Shut-In**
Breakdown: 15 Inc.
of 3 mins. and a
final inc. of 0 Min.

| Point Minutes | Press. |
|---|---|
| 0 | 71 |
| 3 | 967 |
| ~~6~~ | ~~1112~~ |
| 9 | 1126 |
| 12 | 1133 |
| ~~15~~ | ~~1137~~ |
| 18 | 1138 |
| 21 | 1143 |
| ~~24~~ | ~~1144~~ |
| 27 | 1146 |
| 30 | 1146 |
| ~~33~~ | ~~1146~~ |
| 36 | 1146 |
| 39 | 1146 |
| ~~42~~ | ~~1147~~ |
| 45 | 1147 |


This is an actual photograph of recorder chart.

| POINT | | PRESSURE Field Reading | Office Reading | |
|---|---|---|---|---|
| (A) | Initial Hydrostatic Mud | 2360 | 2170 | PSI |
| (B) | First Initial Flow Pressure | 0 | 4 | PSI |
| (C) | First Final Flow Pressure | 23 | 19 | PSI |
| (D) | Initial Closed-in Pressure | 1148 | 1153 | PSI |
| (E) | Second Initial Flow Pressure | 35 | 44 | PSI |
| (F) | Second Final Flow Pressure | 71 | 71 | PSI |
| (G) | Final Closed-in Pressure | 1148 | 1147 | PSI |
| (H) | Final Hydrostatic Mud | 2350 | 2148 | PSI |

COMPANY Abercrombie Drilling Inc. LEASE AND WELL NO. Seifried #3 SEC. 12 TWP. 18S RGE. 28W TEST NO. 1 DATE 5-12-7

P. O. BOX 1599
WICHITA, KANSAS 67201

Company Abercrombie Drilling Inc. Lease & Well No. Seifried #3

Elevation 2648 Derrick Floor Formation Kansas City Effective Pay - Ft. Ticket No. 24656

Date 5-13-75 Sec. 12 Twp. 18S Range 28W County Lane State Kansas

Test Approved by Orlin R. Phelps Western Representative Gerrell Veatch

Formation Test No. 2 O.K. X Misrun - Interval Tested From 4237' to 4265' Total Depth 4265'

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 4232 Ft. Size 6 3/4 Bottom Packer Depth 4237 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 28 Ft. Size 5½OD Surface Choke Size 3/8 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4257 Ft. Clock No. 10412 Depth 4264 Ft. Clock No. 6893

Top Make Kuster Cap. 4500 No. 3086 Inside Outside - Bottom Make Kuster Cap. 4200 No. 1558 Inside Outside

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

Time Set Packer 9:27 P M

Tool Open I.F.P. From 9:30P M. to 10:00P M. - Hr. 30 Min. From (B) 13 P.S.I. To (C) 42 P.S.I.

Tool Closed I.C.I.P. From 10:00P M. to 10:45P M. - Hr. 45 Min (D) 1127 P.S.I.

Tool Open F.F.P. From 10:45P M. to 11:45P M. - Hr. 60 Min. From (E) 66 P.S.I. To (F) 104 P.S.I.

Tool Closed F.C.I.P. From 11:45P M. to 12:30A M. - Hr. 45 Min. (G) 1071 P.S.I.

Initial Hydrostatic Pressure (A) 2238 P.S.I. Final Hydrostatic Pressure (H) 2204 P.S.I. Maximum Temp. 130

## INFORMATION

BLOW Weak increasing to fair throughout test.

Did Well Flow - Yes X No Recovery Total Ft. 210' salt water with cup of free oil on top.

Reversed Out - Yes X No Mud Type Starch Viscosity 43 Weight 9.9 Water Loss 12 cc. Chlorides 18,000 PPM

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 Abercrombie Drilling Inc Length Drill Pipe? 3137 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH In.

Length Weight Pipe 1080 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4½XH In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 48 Ft.

Remarks:

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

Date 5-13-75 Test Ticket No. 24656

Recorder No. 3086 Capacity 4500 Location 4257 Ft.

Clock No. 10412 Elevation 2648 Derrick Floor Well Temperature 130 °F

| Point | | Pressure | | | Time Given | Time Computed |
|---|---|---|---|---|---|---|
| A | Initial Hydrostatic Mud | 2238 | P.S.I. | Open Tool | 9:27 P M | |
| B | First Initial Flow Pressure | 13 | P.S.I. | First Flow Pressure | 30 Mins. | 30 Mins. |
| C | First Final Flow Pressure | 42 | P.S.I. | Initial Closed-in Pressure | 45 Mins. | 45 Mins. |
| D | Initial Closed-in Pressure | 1127 | P.S.I. | Second Flow Pressure | 60 Mins. | 60 Mins. |
| E | Second Initial Flow Pressure | 66 | P.S.I. | Final Closed-in Pressure | 45 Mins. | 48 Mins. |
| F | Second Final Flow Pressure | 104 | P.S.I. | | | |
| G | Final Closed-in Pressure | 1071 | P.S.I. | | | |
| H | Final Hydrostatic Mud | 2204 | P.S.I. | | | |

## PRESSURE BREAKDOWN

### First Flow Pressure

Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

| Point Mins. | Press. |
|---|---|
| P 1 0 | 13 |
| P 2 5 | 14 |
| P 3 10 | 18 |
| P 4 15 | 24 |
| P 5 20 | 30 |
| P 6 25 | 35 |
| P 7 30 | 42 |
| P 8 | |
| P 9 | |
| P10 | |
| P11 | |
| P12 | |
| P13 | |
| P14 | |
| P15 | |
| P16 | |
| P17 | |
| P18 | |
| P19 | |
| P20 | |

### Initial Shut-In

Breakdown: 15 Inc. of 3 mins. and a final inc. of 0 Min.

| Point Minutes | Press. |
|---|---|
| 0 | 42 |
| 3 | 706 |
| ~~6~~ | ~~786~~ |
| 9 | 853 |
| 12 | 902 |
| ~~15~~ | ~~942~~ |
| 18 | 974 |
| 21 | 1002 |
| ~~24~~ | ~~1026~~ |
| 27 | 1048 |
| 30 | 1067 |
| ~~33~~ | ~~1084~~ |
| 36 | 1097 |
| 39 | 1110 |
| ~~42~~ | ~~1121~~ |
| 45 | 1127 |

### Second Flow Pressure

Breakdown: 12 Inc. of 5 mins. and a final inc. of 0 Min.

| Point Minutes | Press. |
|---|---|
| 0 | 66 |
| 5 | 66 |
| ~~10~~ | ~~66~~ |
| 15 | 70 |
| 20 | 75 |
| ~~25~~ | ~~78~~ |
| 30 | 83 |
| 35 | 88 |
| ~~40~~ | ~~92~~ |
| 45 | 96 |
| 50 | 99 |
| ~~55~~ | ~~103~~ |
| 60 | 104 |

### Final Shut-In

Breakdown: 16 Inc. of 3 mins. and a final inc. of 0 Min.

| Point Minutes | Press. |
|---|---|
| 0 | 104 |
| 3 | 519 |
| ~~6~~ | ~~563~~ |
| 9 | 758 |
| 12 | 808 |
| ~~15~~ | ~~851~~ |
| 18 | 886 |
| 21 | 916 |
| ~~24~~ | ~~943~~ |
| 27 | 965 |
| 30 | 984 |
| ~~33~~ | ~~1004~~ |
| 36 | 1021 |
| 39 | 1037 |
| ~~42~~ | ~~1050~~ |
| 45 | 1060 |
| 48 | 1071 |


This is an actual photograph of recorder chart.

| POINT | | PRESSURE Field Reading | Office Reading | |
|---|---|---|---|---|
| (A) | Initial Hydrostatic Mud | 2370 | 2238 | PSI |
| (B) | First Initial Flow Pressure | 0 | 13 | PSI |
| (C) | First Final Flow Pressure | 35 | 42 | PSI |
| (D) | Initial Closed-in Pressure | 1113 | 1127 | PSI |
| (E) | Second Initial Flow Pressure | 47 | 66 | PSI |
| (F) | Second Final Flow Pressure | 118 | 104 | PSI |
| (G) | Final Closed-in Pressure | 1067 | 1071 | PSI |
| (H) | Final Hydrostatic Mud | 2360 | 2204 | PSI |

COMPANY Abercrombie Drilling Inc. LEASE AND WELL NO. Seifried #3 SEC. 12 TWP. 18S RGE. 28W TEST NO. 2 DATE 5-13-75