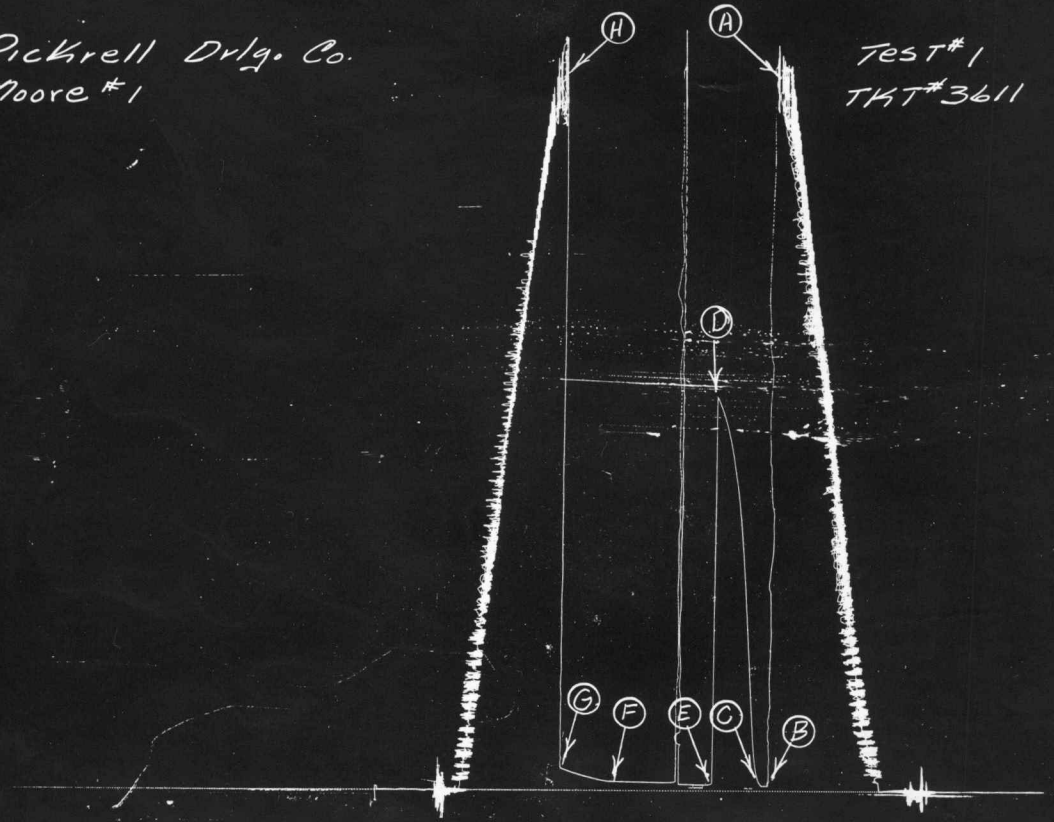
Pickrell Drlg. Co.
Moore #1

Test #1
TKT #3611



WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Pickrell Drlg. Co. Lease & Well No. Moore #1

Elevation 2219' D.F. Ticket Number 3611

Date 11-20-63 Sec. 7 Twp. 20S Range 21W County Ness State Kansas

Test Approved by Dan Bowles Western Representative Jack Teelkes

---

Formation Test No. 1 O.K. X Misrun ____ Interval Tested From 4262' to 4300' Total Depth 4300'

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

Packer Depth 4257 Ft. Size 6 3/4" Packer Depth 4262 Ft. Size 6 3/4"

Straddle ____ Yes ____ No X Conv. ____ B.T. ____ Damaged ____ Yes ____ No

Packer Depth ____ Ft Size ____

Tool Size 5½" OD Tool Jt. Size 4½" FH Anchor Length 38 Ft. Size 5½" OD

---

RECORDERS Depth 4265 Ft Clock No. 6892 Depth 4268 Ft. Clock No. 140

Top Make Amerada Cap. 3150# No. 1562 Inside ~~Outside~~ Bottom Make Western Cap. 4000# No. 57 Inside Outside

Below Straddle: Depth ____ Clock No. ____ Inside Outside Depth ____ Ft. Clock No. ____ Inside Outside

Top Make ____ Cap. ____ No. ____ Inside Outside Bottom Make ____ Cap. ____ No. ____ Inside Outside

---

Time Set Packer 5:32P M

Tool Open I.F.P. From 5:34P M to 5:37P M - Hr. 3 Min. From (B) 15 P.S.I. To (C) 15 P.S.I.

Tool Closed I.C.I.P. From 5:37P M. to 6:07P M. - Hr. 30 Min. (D) 1261 P.S.I.

Tool Open F.F.P. From 6:07P M. to 7:07P M. 1 Hr. - Min. From (E) 18 P.S.I. To (F) 26 P.S.I.

Tool Closed F.C.I.P. From 7:07P M. to 7:37P M. - Hr. 30 Min. (G) 70 P.S.I.

Inital Hydrostatic Pressure (A) 2346 P.S.I. Final Hydrostatic Pressure (H) 2223 P.S.I.

---

SURFACE INFORMATION Size Choke 3/4 In. Max. Press. P.S.I. Time Description of Flow

____ ____ ____ M. ____

____ ____ ____ M. ____

____ ____ ____ M. ____

BLOW Very weak 3 mins.

Bottom Choke Size 3/4 in.

Did Well Flow ____ Yes X No Recovery Total Ft. 10' Drlg. mud

Mud

Reversed Out ____ Yes X No Mud Type Starch Viscosity 40 Weight 10. Maximum Temp. 115 °F

EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Jars: Size No Make ____ Ser. No. ____

Type Circ. Sub. Plug Did Tool Plug? No Where? ____ Did Packer Hold? Yes

Length Drill Pipe 3343 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 900 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ____ ft.

I. D. Drill Collars ____ in. Length D. S. T. Tool ____ ft.

Remarks

Flushed tool after 20 mins. OK

WHELAN PRINTERS

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

Date 11-20-63 Test Ticket No. 3611

Recorder No. 1562 Capacity 3150# Location 4265 Ft.

Clock No. 6892 Elevation 2219' D.F. Well Temperature 115 °F

| Point | | Pressure | |
|---|---|---|---|
| A | Initial Hydrostatic Mud | 2346 | P.S.I. |
| B | First Initial Flow Pressure | 15 | P.S.I. |
| C | First Final Flow Pressure | 15 | P.S.I. |
| D | Initial Closed-in Pressure | 1261 | P.S.I. |
| E | Second Initial Flow Pressure | 18 | P.S.I. |
| F | Second Final Flow Pressure | 26 | P.S.I. |
| G | Final Closed-in Pressure | 70 | P.S.I. |
| H | Final Hydrostatic Mud | 2223 | P.S.I. |

| | Time Given | | Time Computed | |
|---|---|---|---|---|
| Opened Tool | 5:32 P | M | 5:32 PM | |
| First Flow Pressure | 3 | Mins. | 3 | Mins. |
| Initial Closed-in Pressure | 30 | Mins. | 29 | Mins. |
| Second Flow Pressure | 60 | Mins. | 55 | Mins. |
| Final Closed-in Pressure | 30 | Mins. | 32 | Mins. |

## PRESSURE BREAKDOWN

**First Flow Press.**
Breakdown: 1 Inc.
of 3 mins. and a
final inc. of - Min.

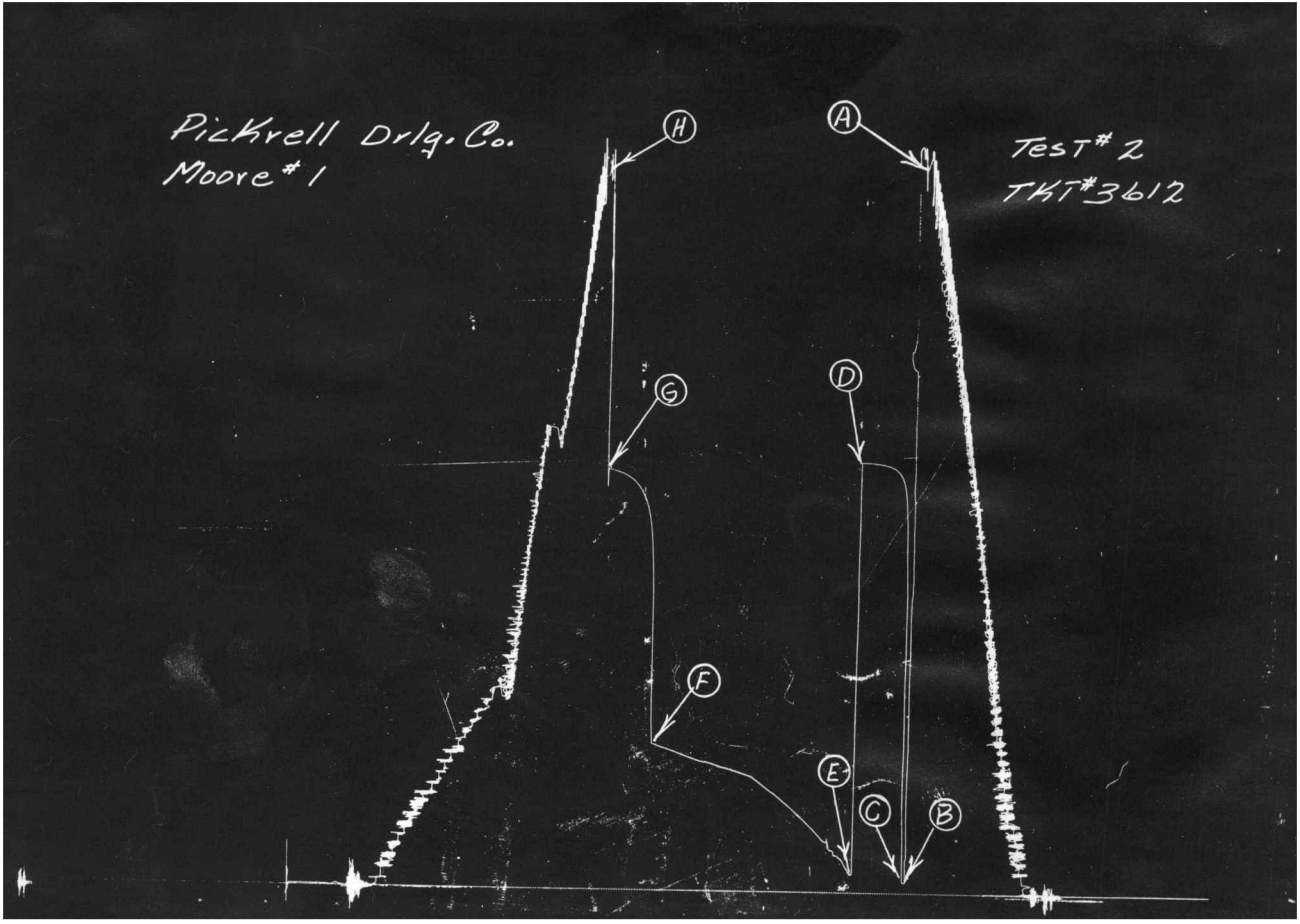
**Initial Shut-In**
Breakdown: 9 Inc.
of 3 mins. and a
final inc. of 2 Min.

**Second Flow Pressure**
Breakdown: 11 Inc.
of 5 mins. and a
final inc. of - Min.

**Final Shut-In**
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 2 Min.

| Point Mins. | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. |
|---|---|---|---|---|---|---|---|
| P 1 0 | 15 | 0 | 15 | 0 | 18 | 0 | 26 |
| P 2 3 | 15 | 3 | 65 | 5 | 18 | 3 | 28 |
| P 3 | | 6 | 234 | 10 | 18 | 6 | 29 |
| P 4 | | 9 | 451 | 15 | 18 | 9 | 32 |
| P 5 | | 12 | 673 | 20 | 18 | 12 | 36 |
| P 6 | | 15 | 867 | 25 | 26 | 15 | 40 |
| P 7 | | 18 | 1020 | 30 | 26 | 18 | 43 |
| P 8 | | 21 | 1116 | 35 | 26 | 21 | 50 |
| P 9 | | 24 | 1191 | 40 | 26 | 24 | 54 |
| P10 | | 27 | 1239 | 45 | 26 | 27 | 59 |
| P11 | | 29 | 1261 | 50 | 26 | 30 | 65 |
| P12 | | | | 55 | 26 | 32 | 70 |
| P13 | | | | | | | |
| P14 | | | | | | | |
| P15 | | | | | | | |
| P16 | | | | | | | |
| P17 | | | | | | | |
| P18 | | | | | | | |
| P19 | | | | | | | |
| P20 | | | | | | | |

WHELAN PRINTERS


Pickrell Drlg. Co.
Moore #1
Test #2
TKT #3612
H
A
G
D
F
E
C
B

Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Pickrell Drlg. Co. Lease & Well No. Moore #1

Elevation 2219' D.F. Ticket Number 3612

Date 11-21-63 Sec. 7 Twp. 20S Range 21W County Ness State Kansas

Test Approved by Dan Bowles Western Representative Jack Toelkes

---

Formation Test No. 2 O.K. X Misrun ____ Interval Tested From 4341' to 4380' Total Depth 4380'

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

Packer Depth 4336 Ft. Size 6 3/4" Packer Depth 4341 Ft. Size 6 3/4"

Straddle ____ Yes ____ No X Conv. ____ B.T. ____ Damaged ____ Yes ____ No

Packer Depth ____ Ft Size ____

Tool Size 5½" OD Tool Jt. Size 4½" FH Anchor Length 39 Ft. Size 5½" OD

---

RECORDERS Depth 4344 Ft Clock No. 6892 Depth 4347 Ft. Clock No. 140

Top Make Amerada Cap. 3150# No. 1562 Inside ~~Outside~~ Bottom Make Western Cap. 4000# No. 57 Inside Outside

Below Straddle: Depth ____ Clock No ____ Inside Outside Depth ____ Ft. Clock No. ____ Inside Outside

Top Make ____ Cap. ____ No. ____ Inside Outside Bottom Make ____ Cap. ____ No. ____ Inside Outside

---

Time Set Packer 11:47A M

Tool Open I.F.P. From 11:49A M to 11:51A M - Hr. 2 Min. From (B) 32 P.S.I. To (C) 32 P.S.I.

Tool Closed I.C.I.P. From 11:51A M. to 12:21P M. - Hr. 30 Min. (D) 1381 P.S.I.

Tool Open F.F.P. From 12:21P M. to 2:21P M. 2 Hr. - Min. From (E) 58 P.S.I. To (F) 476 P.S.I.

Tool Closed F.C.I.P. From 2:21P M. to 2:51P M. - Hr. 30 Min. (G) 1349 P.S.I.

Inital Hydrostatic Pressure (A) 2354 P.S.I. Final Hydrostatic Pressure (H) 2315 P.S.I.

---

SURFACE INFORMATION Size Choke 3/4 In. Max. Press. P.S.I. Time Description of Flow

M. 39 Gr. Corr.

M.

M.

BLOW Good throughout test Bottom Choke Size 3/4 in.

Did Well Flow X Yes ____ No Recovery Total Ft. 380' G.I.P. - 670' cln.oil - 540' froggy gassy oil - 60' Sli. mdy. oil - No water

Reversed Out ____ Yes X No Mud Type Starch Viscosity 45 Weight 10.2 Maximum Temp. 119 °F Mud

EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Jars: Size No Make ____ Ser. No. ____

Type Circ. Sub. Plug Did Tool Plug? No Where? ____ Did Packer Hold? Yes

Length Drill Pipe 3422 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 900 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ____ ft.

I. D. Drill Collars ____ in. Length D. S. T. Tool 58 ft.

Remarks

WHELAN PRINTERS

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

Date 11-21-63 Test Ticket No. 3612 K344

Recorder No. 1562 Capacity 3150# Location 4344 Ft.

Clock No. 6892 Elevation 2219' D.F. Well Temperature 119 °F

| Point | | Pressure | | Time Given | | Time Computed | |
|---|---|---|---|---|---|---|---|
| A | Initial Hydrostatic Mud | 2354 P.S.I. | Opened Tool | 11:47 A M | | 11:47 AM | |
| B | First Initial Flow Pressure | 32 P.S.I. | First Flow Pressure | 2 Mins. | | 3 Mins. | |
| C | First Final Flow Pressure | 32 P.S.I. | Initial Closed-in Pressure | 30 Mins. | | 30 Mins. | |
| D | Initial Closed-in Pressure | 1381 P.S.I. | Second Flow Pressure | 120 Mins. | | 120 Mins. | |
| E | Second Initial Flow Pressure | 58 P.S.I. | Final Closed-in Pressure | 30 Mins. | | 27 Mins. | |
| F | Second Final Flow Pressure | 476 P.S.I. | | | | | |
| G | Final Closed-in Pressure | 1349 P.S.I. | | | | | |
| H | Final Hydrostatic Mud | 2315 P.S.I. | | | | | |

## PRESSURE BREAKDOWN

**First Flow Press.**
Breakdown: 1 Inc.
of 3 mins. and a
final inc. of — Min.

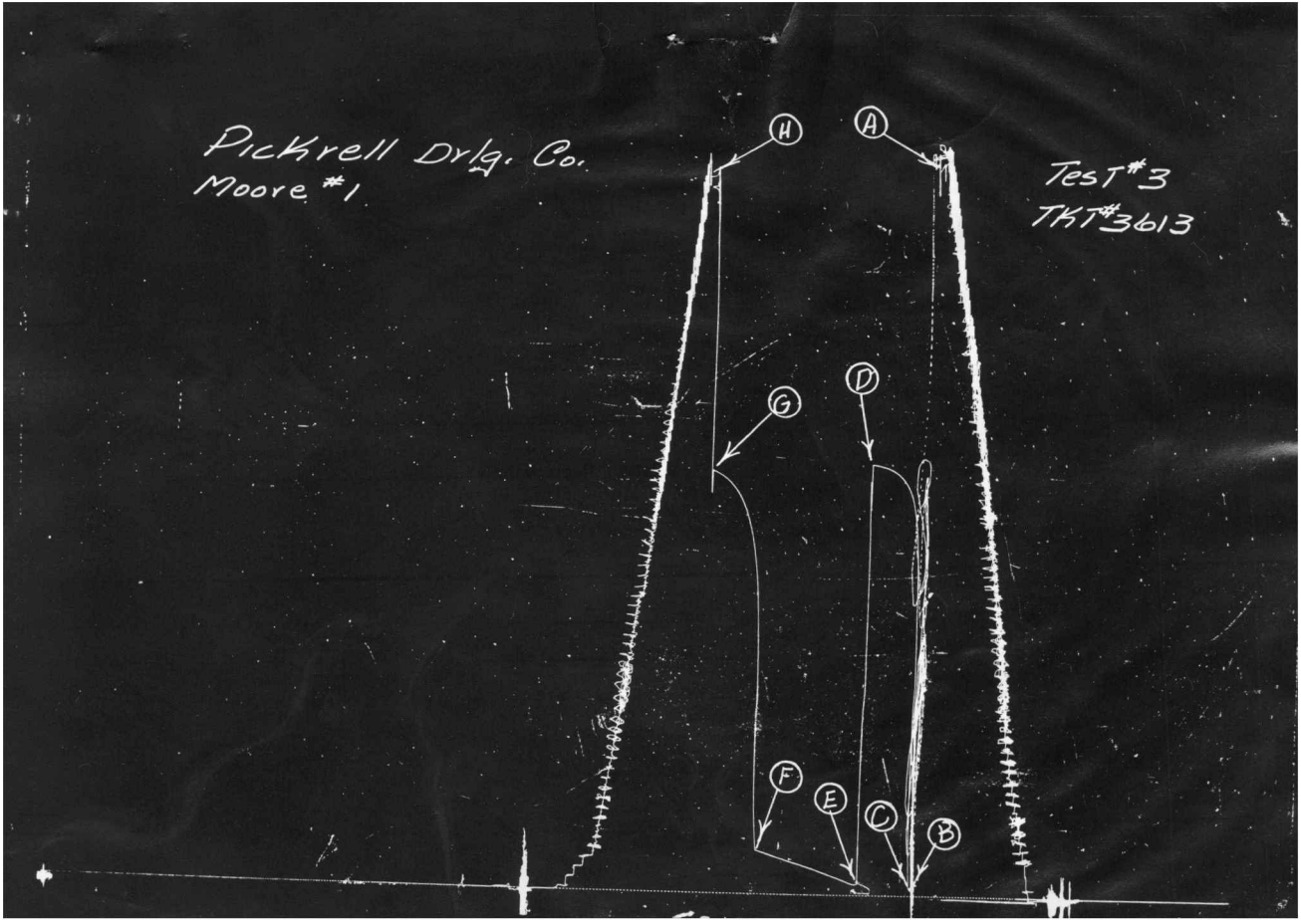
**Initial Shut-In**
Breakdown: 10 Inc.
of 3 ½ mins. and a
final inc. of — Min.

**Second Flow Pressure**
Breakdown: 24 Inc.
of 5 mins. and a
final inc. of — Min.

**Final Shut-In**
Breakdown: 9 Inc.
of 3 mins. and a
final inc. of — Min.

| Point Mins. | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. |
|---|---|---|---|---|---|---|---|
| P 1 0 | 32 | 0 | 32 | 0 | 58 | 0 | 476 |
| P 2 3 | 32 | 3 | 1202 | 5 | 95 | 3 | 1184 |
| P 3 | | 6 | 1337 | 10 | 120 | 6 | 1256 |
| P 4 | | 9 | 1357 | 15 | 150 | 9 | 1289 |
| P 5 | | 12 | 1368 | 20 | 177 | 12 | 1311 |
| P 6 | | 15 | 1373 | 25 | 207 | 15 | 1321 |
| P 7 | | 18 | 1376 | 30 | 234 | 18 | 1337 |
| P 8 | | 21 | 1378 | 35 | 259 | 21 | 1343 |
| P 9 | | 24 | 1379 | 40 | 283 | 24 | 1348 |
| P10 | | 27 | 1381 | 45 | 307 | 27 | 1349 |
| P11 | | 30 | 1381 | 50 | 327 | | |
| P12 | | | | 55 | 348 | | |
| P13 | | | | 60 | 370 | | |
| P14 | | | | 65 | 390 | | |
| P15 | | | | 70 | 390 | | |
| P16 | | | | 75 | 398 | | |
| P17 | | | | 80 | 405 | | |
| P18 | | | | 85 | 434 | | |
| P19 | | | | 90 | 421 | | |
| P20 | | | | 95 | 428 | | |
| | | | | 100 | 438 | | |
| | | | | 105 | 449 | | |
| | | | | 110 | 458 | | |
| | | | | 115 | 466 | | |
| | | | | 120 | 476 | | |

WHELAN PRINTERS


Pickrell Drlg. Co.
Moore #1
Test #3
Tkt #3613
H
A
G
D
F
E
C
B

WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Pickrell Drlg. Co. Lease & Well No. Moore #1

Elevation 2219' D.F. Ticket Number 3613

Date 11-22-63 Sec. 7 Twp. 20S Range 21W County Ness State Kansas

Test Approved by Dan Bowles Western Representative Jack Tookes

---

Formation Test No. 3 O.K. X Misrun ____ Interval Tested From 4380' to 4390' Total Depth 4390'

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

Packer Depth 4375 Ft. Size 6 3/4" Packer Depth 4380 Ft. Size 6 3/4"

Straddle ____ Yes ____ No X Conv. ____ B.T. ____ Damaged ____ Yes ____ No

Packer Depth ____ Ft Size ____

Tool Size 5½" OD Tool Jt. Size 4½" FH Anchor Length 10 Ft. Size 5½" OD

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RECORDERS Depth 4384 Ft Clock No. 6892 Depth 4387 Ft. Clock No. 140

Top Make Amerada Cap. 3150# No. 1562 Inside Outside Bottom Make Western Cap. 4000# No. 57 Inside Outside

Below Straddle: Depth ____ Clock No. ____ Inside Outside Depth ____ Ft. Clock No. ____ Inside Outside

Top Make ____ Cap. ____ No. ____ Inside Outside Bottom Make ____ Cap. ____ No. ____ Inside Outside

---

Time Set Packer 1:51A M

Tool Open I.F.P. From 1:53A M to 1:55A M - 2 Hr. ____ Min. From (B) 14 P.S.I. To (C) 21 P.S.I.

Tool Closed I.C.I.P. From 1:55A M. to 2:25A M. - 30 Hr. ____ Min. (D) 1389 P.S.I.

Tool Open F.F.P. From 2:25A M. to 3:25A M. 1 - Hr. ____ Min. From (E) 36 P.S.I. To (F) 141 P.S.I.

Tool Closed F.C.I.P. From 3:25A M. to 3:55A M. - 30 Hr. ____ Min. (G) 1360 P.S.I.

Inital Hydrostatic Pressure (A) 2355 P.S.I. Final Hydrostatic Pressure (H) 2331 P.S.I.

---

SURFACE INFORMATION Size Choke 3/4 In. Max. Press. P.S.I. Time Description of Flow

____ ____ ____ M. ____

____ ____ ____ M. ____

____ ____ ____ M. ____

BLOW Fair throughout test 3/4 Bottom Choke Size ____ in.

Did Well Flow ____ Yes X No Recovery Total Ft. 140' Cln.oil - 120' M.C.Froggy oil - 60' O.C.M. - 180' G.I.P.

---

Reversed Out ____ Yes X No Mud Type Starch Viscosity XLZ 45 Weight 10.2 # Maximum Temp. 119 °F Mud

EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Jars: Size No Make ____ Ser. No. ____

Type Circ. Sub. Plug Did Tool Plug? No Where? ____ Did Packer Hold? Yes

Length Drill Pipe 3461 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 900 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ____ ft.

I. D. Drill Collars ____ in. Length D. S. T. Tool 29 ft.

Remarks

WHELAN PRINTERS

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

Date 11-22-63 Test Ticket No. 3613

Recorder No. 1562 Capacity 3150# Location 4384 Ft.

Clock No. 6892 Elevation 2219' D.F. Well Temperature 119 °F

| Point | | Pressure | | Time Given | | Time Computed | |
|---|---|---|---|---|---|---|---|
| A | Initial Hydrostatic Mud | 2355 P.S.I. | Opened Tool | 1:51 A | M | 1:51 AM | |
| B | First Initial Flow Pressure | 14 P.S.I. | First Flow Pressure | 2 | Mins. | 2 | Mins. |
| C | First Final Flow Pressure | 21 P.S.I. | Initial Closed-in Pressure | 30 | Mins. | 28 | Mins. |
| D | Initial Closed-in Pressure | 1389 P.S.I. | Second Flow Pressure | 60 | Mins. | 60 | Mins. |
| E | Second Initial Flow Pressure | 36 P.S.I. | Final Closed-in Pressure | 30 | Mins. | 31 | Mins. |
| F | Second Final Flow Pressure | 141 P.S.I. | | | | | |
| G | Final Closed-in Pressure | 1360 P.S.I. | | | | | |
| H | Final Hydrostatic Mud | 2331 P.S.I. | | | | | |

## PRESSURE BREAKDOWN

**First Flow Press.**
Breakdown: 1 Inc.
of 2 mins. and a
final inc. of - Min.

**Initial Shut-In**
Breakdown: 9 Inc.
of 3 mins. and a
final inc. of 1 Min.

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

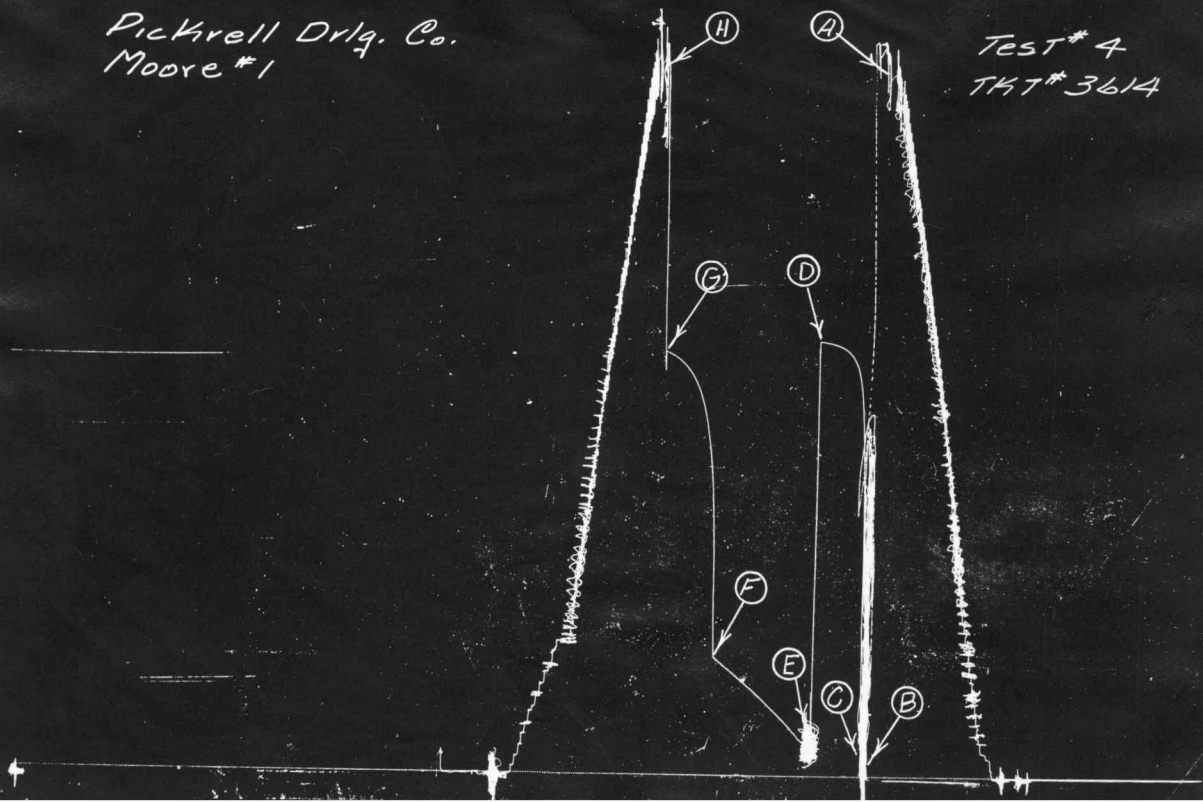
**Final Shut-In**
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 1 Min.

| Point Mins. | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. |
|---|---|---|---|---|---|---|---|
| P 1 0 | 14 | 0 | 21 | 0 | 36 | 0 | 141 |
| P 2 2 | 21 | 3 | 1212 | 5 | 40 | 3 | 778 |
| P 3 | | 6 | 1305 | 10 | 50 | 6 | 1091 |
| P 4 | | 9 | 1335 | 15 | 59 | 9 | 1184 |
| P 5 | | 12 | 1354 | 20 | 70 | 12 | 1242 |
| P 6 | | 15 | 1367 | 25 | 80 | 15 | 1280 |
| P 7 | | 18 | 1375 | 30 | 89 | 18 | 1305 |
| P 8 | | 21 | 1381 | 35 | 98 | 21 | 1326 |
| P 9 | | 24 | 1384 | 40 | 106 | 24 | 1338 |
| P10 | | 27 | 1387 | 45 | 114 | 27 | 1349 |
| P11 | | 28 | 1389 | 50 | 124 | 30 | 1357 |
| P12 | | | | 55 | 131 | 31 | 1360 |
| P13 | | | | 60 | 141 | | |
| P14 | | | | | | | |
| P15 | | | | | | | |
| P16 | | | | | | | |
| P17 | | | | | | | |
| P18 | | | | | | | |
| P19 | | | | | | | |
| P20 | | | | | | | |

WHELAN PRINTERS

Pickrell Drlg. Co.
Moore #1

Test #4
TKT #3614



Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Pickrell Drlg. Co. Lease & Well No. Moore #1

Elevation 2219' D.F. Ticket Number 3614

Date 11-22-63 Sec. 7 Twp. 20S Range 21W County Ness State Kansas

Test Approved by Dan Bowles Western Representative Jack Toelkes

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Formation Test No. 4 O.K. X Misrun ____ Interval Tested From 4390' to 4400' Total Depth 4400'

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

Packer Depth 4385 Ft. Size 6 3/4" Packer Depth 4390 Ft. Size 6 3/4"

Straddle ____ Yes ____ No X Conv. ____ B.T. ____ Damaged ____ Yes ____ No

Packer Depth ____ Ft Size ____

Tool Size 5½" OD Tool Jt. Size 4½" FH Anchor Length 10 Ft. Size 5½" OD

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RECORDERS Depth 4393 Ft Clock No. 6892 Depth 4396 Ft. Clock No. 140

Top Make Amerada Cap. 3150# No. 1562 Inside ~~Outside~~ Bottom Make Western Cap. 4000# No. 57 Inside Outside

Below Straddle: Depth ____ Clock No. ____ Inside Outside Depth ____ Ft. Clock No. ____ Inside Outside

Top Make ____ Cap. ____ No. ____ Inside Outside Bottom Make ____ Cap. ____ No. ____ Inside Outside

---

Time Set Packer 2:25 P M

Tool Open I.F.P. From 2:27P M to 2:29P M - Hr. 2 Min. From (B) - P.S.I. To (C) - P.S.I.

Tool Closed I.C.I.P. From 2:29P M. to 2:59P M. - Hr. 30 Min. (D) 1394 P.S.I.

Tool Open F.F.P. From 2:59P M. to 3:59P M. 1 Hr. - Min. From (E) 85 P.S.I. To (F) 284 P.S.I.

Tool Closed F.C.I.P. From 3:59P M. to 4:29P M. - Hr. 30 Min. (G) 1360 P.S.I.

Inital Hydrostatic Pressure (A) 2328 P.S.I. Final Hydrostatic Pressure (H) 2308 P.S.I.

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SURFACE INFORMATION Size Choke 3/4 In. Max. Press. P.S.I. Time Description of Flow

____ ____ ____ M. ____

____ ____ ____ M. ____

____ ____ ____ M. ____

BLOW Good throughout test Bottom Choke Size 3/4 in.

Did Well Flow ____ Yes X No Recovery Total Ft. 816' Muddy sulphur water

Mud

Reversed Out ____ Yes X No Mud Type Starch Viscosity 45 Weight 10. Maximum Temp. 120 °F

EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Jars: Size No Make ____ Ser. No. ____

Type Circ. Sub. Plug Did Tool Plug? No Where? ____ Did Packer Hold? Yes

Length Drill Pipe 3491 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 900 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ____ ft.

I. D. Drill Collars ____ in. Length D. S. T. Tool 29 ft.

Remarks

Tool slid 5' to bottom

WHELAN PRINTERS

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

Date 11-22-63 Test Ticket No. 3614

Recorder No. 1562 Capacity 3150# Location 4393 Ft.

Clock No. 6892 Elevation 2219' D.F. Well Temperature 120 °F

| Point | | Pressure | |
|---|---|---|---|
| A | Initial Hydrostatic Mud | 2328 | P.S.I. |
| B | First Initial Flow Pressure | - | P.S.I. |
| C | First Final Flow Pressure | - | P.S.I. |
| D | Initial Closed-in Pressure | 1394 | P.S.I. |
| E | Second Initial Flow Pressure | 85 | P.S.I. |
| F | Second Final Flow Pressure | 384 | P.S.I. |
| G | Final Closed-in Pressure | 1360 | P.S.I. |
| H | Final Hydrostatic Mud | 2308 | P.S.I. |

| | Time Given | Time Computed |
|---|---|---|
| Opened Tool | 2:25 PM | 2:25 PM |
| First Flow Pressure | 2 Mins. | - Mins. |
| Initial Closed-in Pressure | 30 Mins. | 27 Mins. |
| Second Flow Pressure | 60 Mins. | 59 Mins. |
| Final Closed-in Pressure | 30 Mins. | 30 Mins. |

## PRESSURE BREAKDOWN

**First Flow Press.**
Breakdown: - Inc.
of 5 mins. and a
final inc. of - Min.

| Point Mins. | Press. |
|---|---|
| P 1 0 | - |
| P 2 5 | - |
| P 3 | |
| P 4 | |
| P 5 | |
| P 6 | |
| P 7 | |
| P 8 | |
| P 9 | |
| P10 | |
| P11 | |
| P12 | |
| P13 | |
| P14 | |
| P15 | |
| P16 | |
| P17 | |
| P18 | |
| P19 | |
| P20 | |

**Initial Shut-In**
Breakdown: 9 Inc.
of 3 mins. and a
final inc. of - Min.

| Point Minutes | Press. |
|---|---|
| 0 | - |
| 3 | 1263 |
| 6 | 1327 |
| 9 | 1353 |
| 12 | 1368 |
| 15 | 1378 |
| 18 | 1383 |
| 21 | 1387 |
| 24 | 1390 |
| 27 | 1394 |

**Second Flow Pressure**
Breakdown: 11 Inc.
of 5 mins. and a
final inc. of 4 Min.

| Point Minutes | Press. |
|---|---|
| 0 | 85 |
| 5 | 106 |
| 10 | 135 |
| 15 | 165 |
| 20 | 195 |
| 25 | 220 |
| 30 | 248 |
| 35 | 272 |
| 40 | 296 |
| 45 | 321 |
| 50 | 345 |
| 55 | 367 |
| 59 | 384 |

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

| Point Minutes | Press. |
|---|---|
| 0 | 384 |
| 3 | 985 |
| 6 | 1135 |
| 9 | 1207 |
| 12 | 1255 |
| 15 | 21 1289 |
| 18 | 1311 |
| 21 | 1329 |
| 24 | 1343 |
| 27 | 1351 |
| 30 | 1360 |

WHELAN PRINTERS