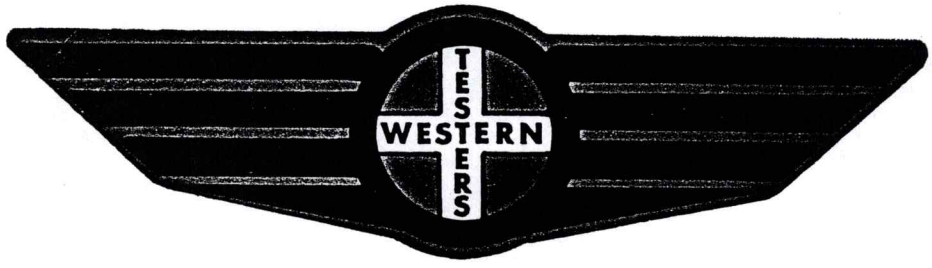
# FORMATION TEST REPORT

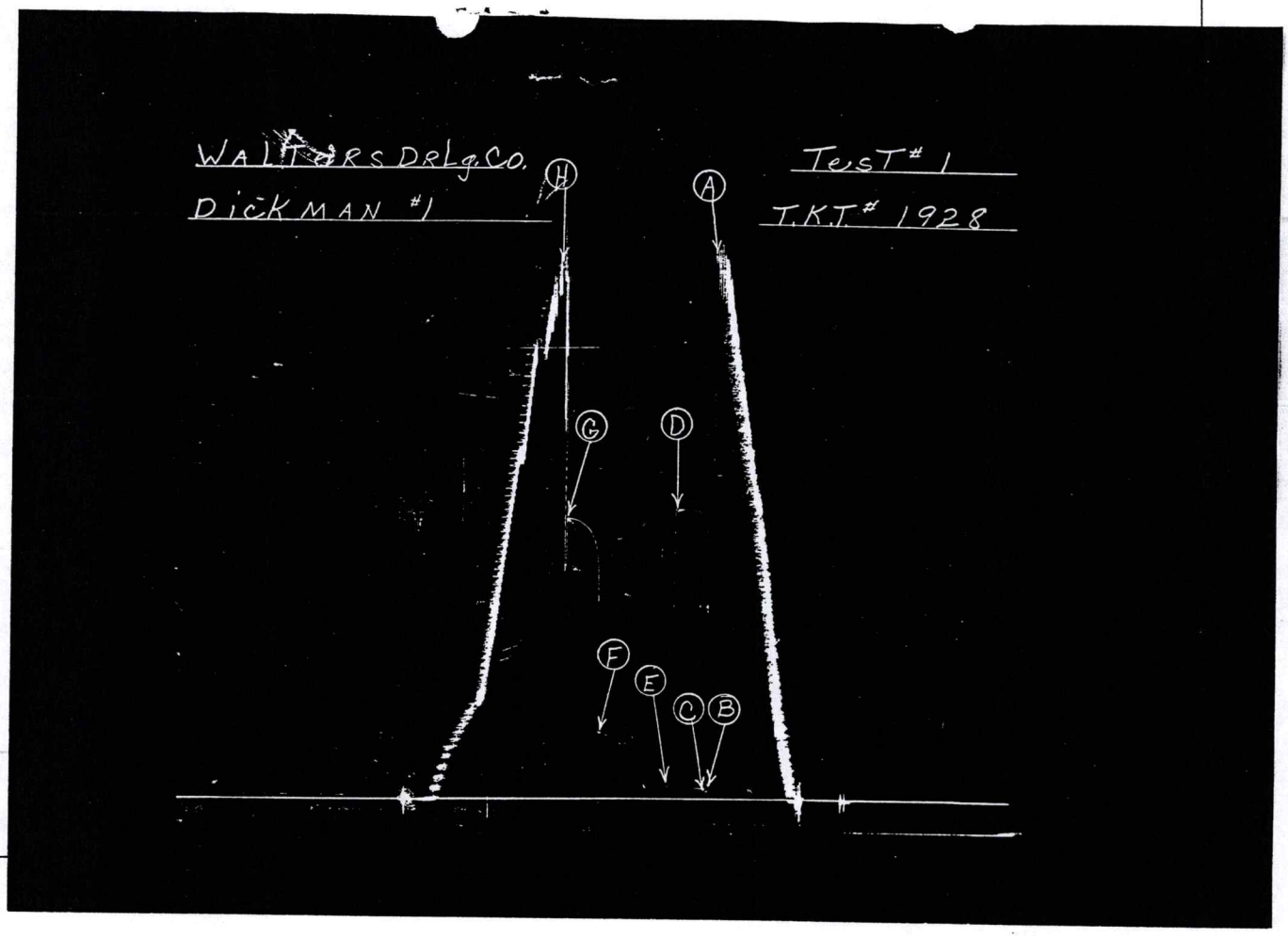
D #1
Test #1




HOME OFFICE
P. O. BOX 793

GREAT BEND, KANSAS
GLadstone 3-7903

Company Walters Drilling Company Lease and Well No. Dickman #1 Sec. 17 Twp. 17 Rge. 24W Test No. 1 Date 5-5-62




| POINT | | PRESSURE | |
|---|---|---|---|
| (A) | Initial Hydrostatic Mud | 2446 | PSI |
| (B) | First Initial Flow Pressure | 32 | PSI |
| (C) | First Final Flow Pressure | 32 | PSI |
| (D) | Initial Closed-in Pressure | 1313 | PSI |
| (E) | Second Initial Flow Pressure | 56 | PSI |
| (F) | Second Final Flow Pressure | 310 | PSI |
| (G) | Final Closed-in Pressure | 1274 | PSI |
| (H) | Final Hydrostatic Mud | 2422 | PSI |

Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Walters Drilling Company Lease & Well No. Dickman #1 Tkt. #1928

Date 5-5-62 Sec. — Twp. — Range — County Ness State Kansas

Test Approved by Don D. Beauchamp Western Representative Kenneth Cheney

Formation Test No. 1 O.K. X Misrun — Interval Tested From 4427' to 4441' Total Depth 4441'

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 4423 Ft. Size 6 3/4" Packer Depth 4427 Ft. Size 6 3/4"

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

Packer Depth — Ft. Size —

Tool Size 5½" O.D. Tool Jt. Size 4½" F.H. Anchor Length 14 Ft. Size 5½" O.D.

RECORDERS Depth 4434 Ft. Clock No. 6686 Depth 4438 Ft. Clock No. —

Top Make Amerada Cap. 3200# No. 5162 Inside ~~Outside~~ Bottom Make Western Cap. 4000# No. 29 ~~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 2:37 A. M

Tool Open I.F.P. From 2:38A M. to 2:40A M. — Hr. 2 Min. From (B) 32 P.S.I. To (C) 32 P.S.I.

Tool Closed I.C.I.P. From 2:40A M. to 3:10A M. — Hr. 30 Min. (D) 1313 P.S.I.

Tool Open F.F.P. From 3:10A M. to 11:10A M. 1 Hr. — Min From (E) 56 P.S.I. To (F) 310 P.S.I.

Tool Closed F.C.I.P. From 4:10A M. to 4:40A M. — Hr. 30 Min. (G) 1274 P.S.I.

Initial Hydrostatic Pressure (A) 2446 P.S.I. Final Hydrostatic Pressure (H) 2422 P.S.I.

SURFACE INFORMATION Size Choke 1" In. Max. Press. P.S.I. Time Description of Flow

— M. —

— M. —

— M. —

BLOW Good Bottom Choke Size 3/4 in.

Did Well Flow — Yes X No. Recovery Total Ft. 815 — Oil 150' Gas — Water

550' Gassy Oil - 265' Forggie Oil Mud

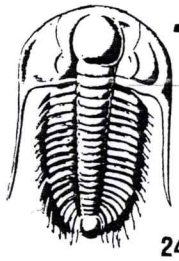
Reversed Out — Yes X No Mud Type Gel Viscosity 37 Weight 10.3 Maximum Temp. 122 °F

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

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

Remarks

32' Tool
750' 4½" F.H. - 2.7" I.D.
3659' 4½" F.H. - 3.8" I.D.




**TRILOBITE TESTING L.L.C.**

**24 Hour # 800-728-5369**
Hays FAX # 913-625-5620

**Hays, KS 67601**
Ph: (913) 625-4778
**Paul Simpson**
**Dan Bangle**

**Satanta, KS 67870**
(Ph: (316) 649-3137
**Tom Horacek**

**Scott City, KS 67871**
Ph: (316) 872-5479
**Rod Steinbrink**
**Mark Herskowitz**
**John Riedl**

**McCook, NE**
(308) 345-1756
**Gary Pevoteaux**

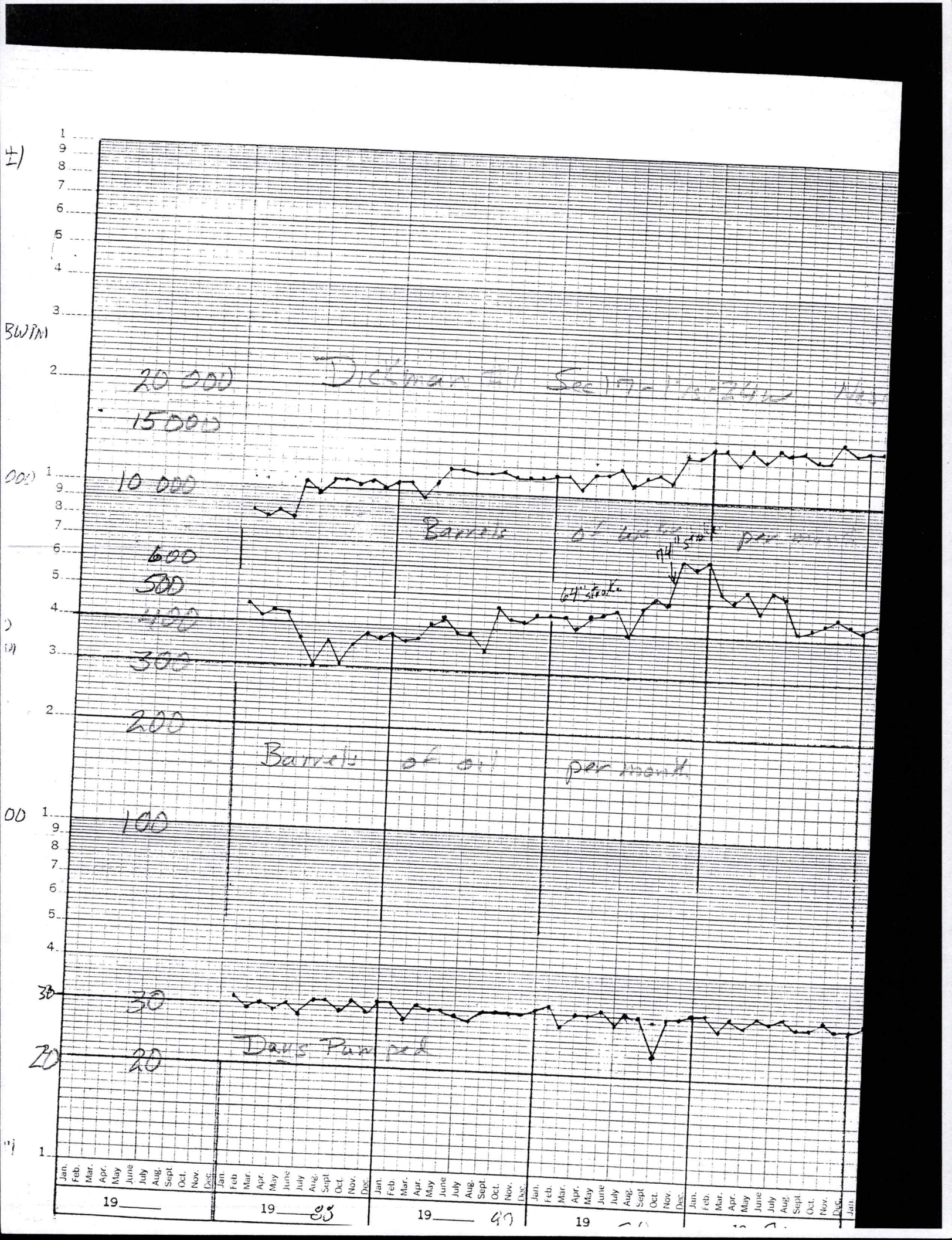

5/5/1962

#1 Dickman

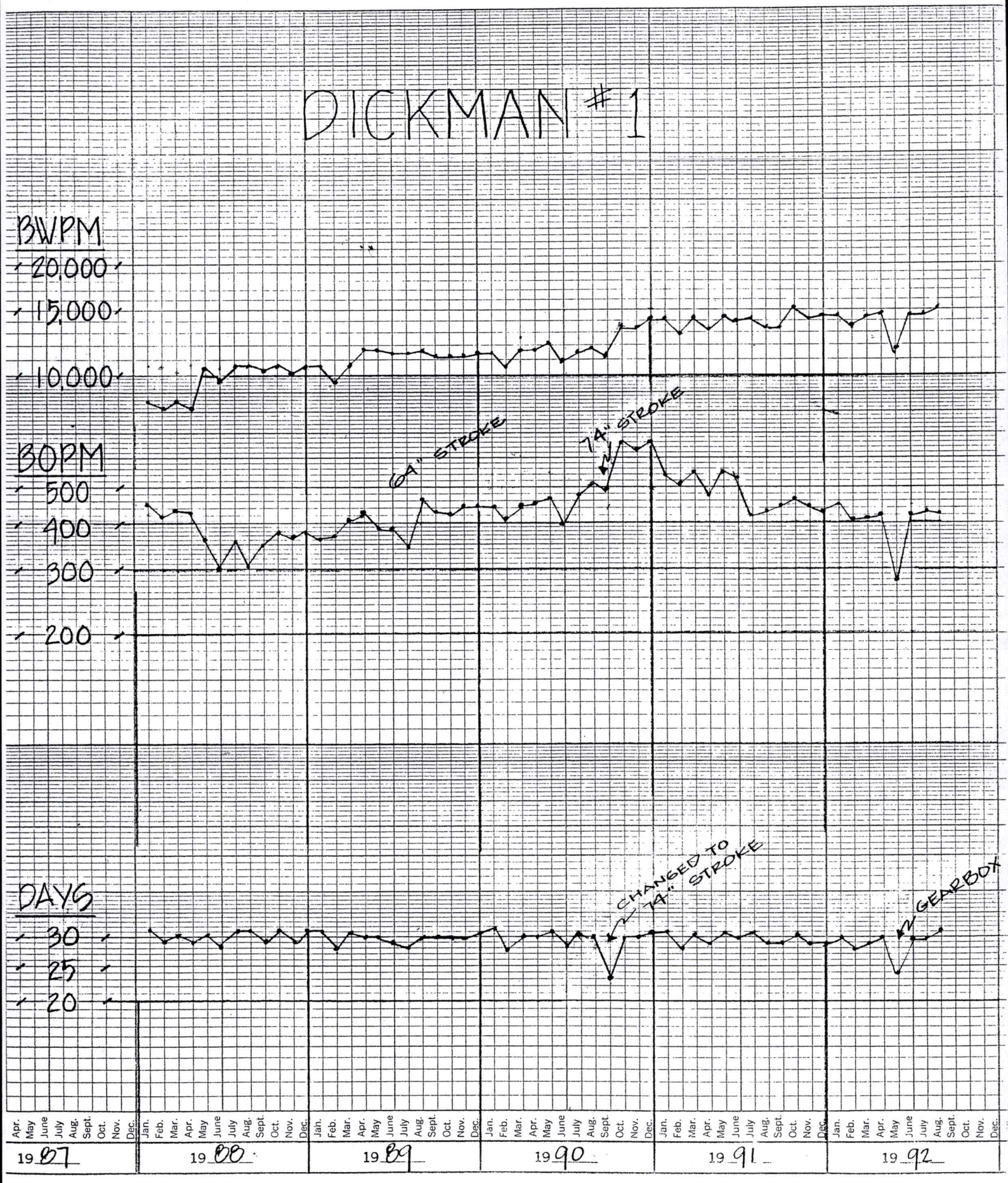
Apparently only 1 stage cement!

Top cement 3910 from temp survey.

no mention of a second stage.


20 000
15000
10 000
600
500
300
200
100
30
20
Barrels of oil per month
64" stroke
44" stroke
Days Pumped
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.
19

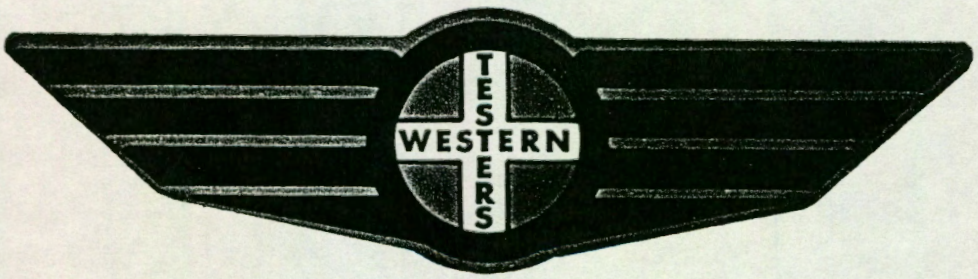
# DICKMAN #1


BWPM
20,000
15,000
10,000
BOPM
500
400
300
200
6¼" STROKE
7¼" STROKE
DAYS
30
25
20
CHANGED TO 7¼" STROKE
GEARBOX
Apr. May June July Aug. Sept. Oct. Nov. Dec.
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.
19 87
19 88
19 89
19 90
19 91
19 92

# FORMATION TEST REPORT

Brass chart would not copy.
Can probably get a better copy at Library.

D #1
Test #2




HOME OFFICE
P. O. BOX 793

GREAT BEND, KANSAS
GLadstone 3-7903

Company Walters Drilling Company Lease and Well No. Dickman #1 Sec. 17 Twp. 17 Rge. 24W Test No. 2 Date 5

WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Walters Drilling Company Lease & Well No. Dickman #1 Tkt. #1929

Date 5-5-62 Sec. — Twp. — Range — County Ness State Kansas

Approved by Don D. Beauchamp Western Representative Kenneth Cheney

Formation Test No. 2 O.K. X Misrun — Interval Tested From 4441' to 4455' Total Depth 4455'

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 — Ft. Size — Packer Depth — Ft. Size 6 3/4"

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

Packer Depth — Ft. Size —

Tool Size 5½" O.D. Tool Jt. Size 4½" F.H. Anchor Length 14 Ft. Size 5½" O.D.

RECORDERS Depth 4448 Ft. Clock No. 6686 Depth 4452 Ft. Clock No. —

Top Make Amerada Cap. 3000# No. 1562 Inside ~~Outside~~ Bottom Make Western Cap. 4000# No. 29 ~~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 2:17 P M

Tool Open I.F.P. From 2:18P M. to 2:20P M. — Hr. 2 Min. From (B) 229 P.S.I. To (C) 229 P.S.I.

Tool Closed I.C.I.P. From 2:20P M. to 2:50P M. — Hr. 30 Min. (D) 1315 P.S.I.

Tool Open F.F.P. From 2:50P M. to 3:50P M. 1 Hr. — Min From (E) 323 P.S.I. To (F) 1102 P.S.I.

Tool Closed F.C.I.P. From 3:50P M. to 4:20P M. — Hr. 30 Min. (G) 1284 P.S.I.

Initial Hydrostatic Pressure (A) 2431 P.S.I. Final Hydrostatic Pressure (H) 2423 P.S.I.

SURFACE INFORMATION

| Size Choke | In. | Max. Press. P.S.I. | Time | Description of Flow |
|---|---|---|---|---|
| 1 | | | M. | |
| | | | M. | |
| | | | M. | |

FLOW Strong Bottom Choke Size 3/4 in.

Did Well Flow — Yes X No. Recovery Total Ft. 3000' 3000' Oil 210' Gas — Water — Mud

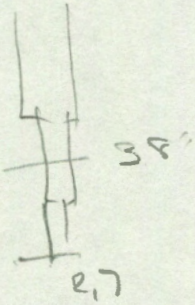
Reversed Out X Yes — No Mud Type Gel Viscosity 36 Weight 10.2 Maximum Temp. — °F

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

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

Remarks

33' Tool
750' 4½" F.H. - 2.7" I.D.
3673' 4½" F.H. - 3.8" I.D.



# WESTERN TESTING CO., INC.

## Pressure Data

5062

Test Ticket No. 1929

er No. 1562 Capacity 3200# Location 4448 Ft.

k No. 6686 Well Temperature – °F

| Point | | Pressure | | | Time Given | | Time Computed | |
|---|---|---|---|---|---|---|---|---|
| A | Initial Hydrostatic Mud | 2431 | P.S.I. | Opened Tool | 2:18 | M | 2:18 | |
| B | First Initial Flow Pressure | 229 | P.S.I. | First Flow Pressure | 2 | Mins. | 1 | Mins. |
| C | First Final Flow Pressure | 229 | P.S.I. | Initial Closed-in Pressure | 30 | Mins. | 28 | Mins. |
| D | Initial Closed-in Pressure | 1315 | P.S.I. | Second Flow Pressure | 60 | Mins. | 60 | Mins. |
| E | Second Initial Flow Pressure | 323 | P.S.I. | Final Closed-in Pressure | 30 | Mins. | 30 | Mins. |
| F | Second Final Flow Pressure | 1102 | P.S.I. | | | | | |
| G | Final Closed-in Pressure | 1284 | P.S.I. | | | | | |
| H | Final Hydrostatic Mud | 2423 | P.S.I. | | | | | |

## PRESSURE BREAKDOWN

**First Flow Press.**

Breakdown: 1 Inc. of 1 mins. and a final inc. of – Min.

**Initial Shut-In**

Breakdown: 9 Inc. of 3 mins. and a final inc. of 1 Min.

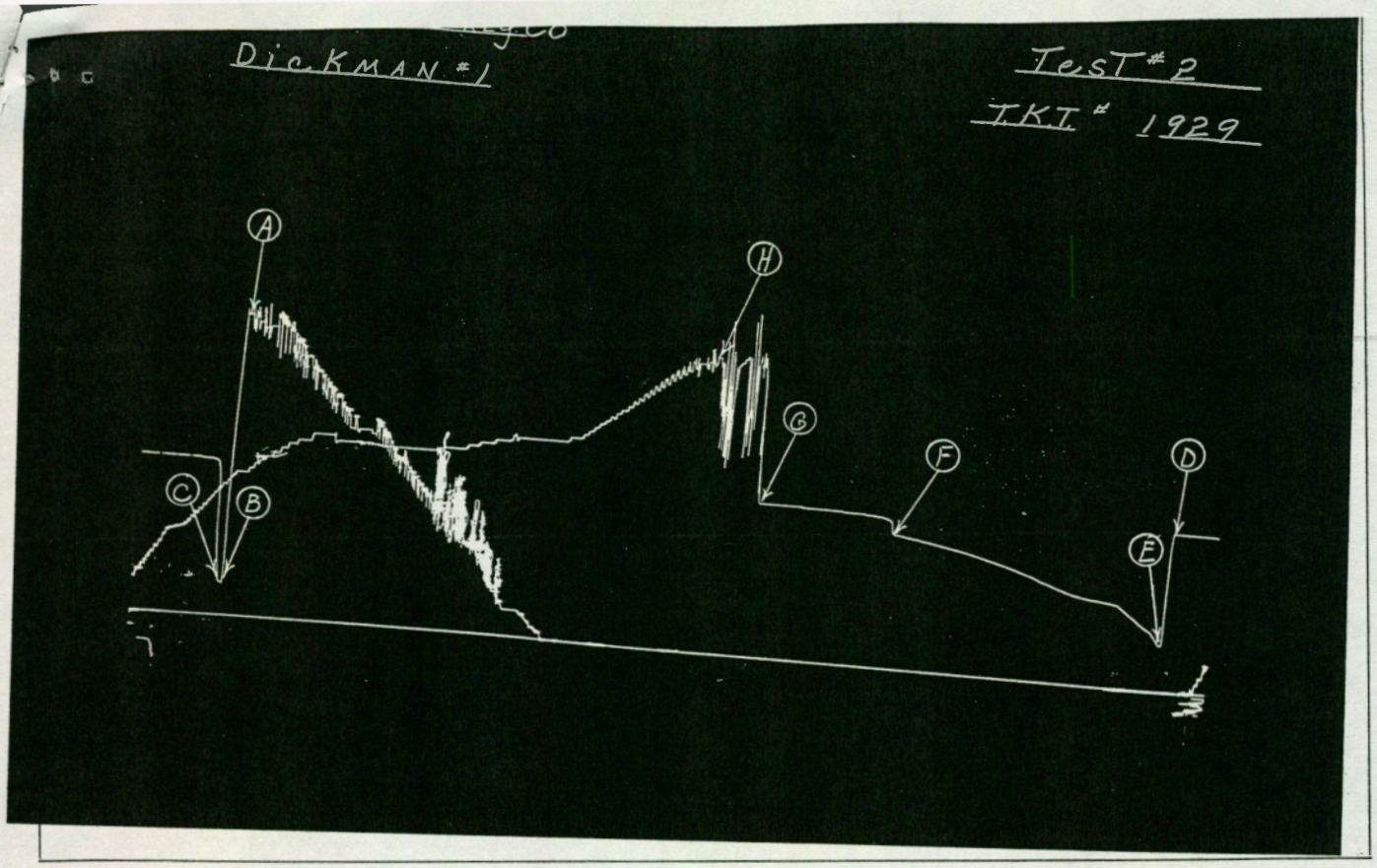
**Second Flow Pressure**

Breakdown: 6 Inc. of 10 mins. and a final inc. of – Min.

**Final Shut-In**

Breakdown: 10 Inc. of 3 mins. and a final inc. of – Min.

| oint ins. | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. |
|---|---|---|---|---|---|---|---|
| 1 0 | 229 | 0 | 229 | 0 | 323 | 0 | 1102 |
| 2 1 | 229 | 3 | 1300 | 10 | 532 | 3 | 1244 |
| 3 | | 6 | 1308 | 20 | 697 | 6 | 1259 |
| 4 | | 9 | 1310 | 30 | 853 | 9 | 1266 |
| 6 | | 12 | 1311 | 40 | 967 | 12 | 1270 |
| 7 | | 15 | 1313 | 50 | 1056 | 15 | 1273 |
| 8 | | 18 | 1313 | 60 | 1102 | 18 | 1277 |
| 9 | | 21 | 1313 | | | 21 | 1282 |
| 0 | | 24 | 1315 | | | 24 | 1282 |
| 1 | | 27 | 1315 | | | 27 | 1284 |
| 2 | | 28 | 1315 | | | 30 | 1284 |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 0 | | | | | | | |
| 1 | | | | | | | |




This is an actual photograph of recorder chart.

| POINT | | PRESSURE |
|---|---|---|
| (A) | Initial Hydrostatic Mud | 2431 PSI |
| (B) | First Initial Flow Pressure | 229 PSI |
| (C) | First Final Flow Pressure | 229 PSI |
| (D) | Initial Closed-in Pressure | 1315 PSI |
| (E) | Second Initial Flow Pressure | 323 PSI |
| (F) | Second Final Flow Pressure | 1102 PSI |
| (G) | Final Closed-in Pressure | 1284 PSI |
| (H) | Final Hydrostatic Mud | 2423 PSI |