

GARVEY DRILLING COMPANY

36-185-11w

TESTING DIVISION

Doll #1

Company Petroleum Inc. Lease & Well No. Doll #1

Date 4-4-63 Sec. _____ Twp. _____ Range _____ County Barton State Kansas

Test Approved by Cullen Thomas Western Representative Doyle Folkerts

Ticket #2410

Formation Test No. 1 O.K. Misrun _____ Interval Tested From 2982 to 3056 Total Depth 3056

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

Packer Depth 2976 Ft. Size 6 3/4 Packer Depth 2982 Ft. Size 6 3/4

Straddle _____ Yes No Conv. _____ B.T. _____ Damaged _____ Yes _____ No

Packer Depth _____ Ft. Size _____

Tool Size 5" Tool Jt. Size 5 1/2" Anchor Length 74 Ft. Size 4 1/2 FH

RECORDERS Depth 3051 Ft. Clock No. 51 Depth 3053 Ft. Clock No. 52

Top Make Western Cap. 4000 No. 51 Inside XXXXX Bottom Make Western Cap. 4000 No. 52 Inside XXXXX

Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____

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

Set Packer 7:02 A M

Tool Open I.F.P. From 7:05 M. to 7:10 M. Hr. 5 Min. From (B) 90 P.S.I. To (C) 90 P.S.I.

Tool Closed I.C.I.P. From 7:10 M. to 7:30 M. Hr. 20 Min. (D) 120 P.S.I.

Tool Open F.F.P. From 7:30 M. to 8:30 M. 1 Hr. Min From (E) 90 P.S.I. To (F) 90 P.S.I.

Tool Closed F.C.I.P. From 8:30 M. to 9:00 M. Hr. 30 Min. (G) 90 P.S.I.

Initial Hydrostatic Pressure (A) 1770 P.S.I. Final Hydrostatic Pressure (H) 1770 P.S.I.

| SURFACE INFORMATION | Size Choke <u>1/4</u> In. | Max. Press. P.S.I. | Time | Description of Flow |
|---------------------|---------------------------|--------------------|------|---------------------|
| | | | M. | |
| | | | M. | |
| | | | M. | |

BLOW Weak 10 min. Bottom Choke Size 1/2 in.

Did Well Flow _____ Yes No. Recovery Total Fr. 15 Oil _____ Gas _____ Water _____

Reversed Out _____ Yes No Mud Type Starch Viscosity 39 Weight 9.9 Maximum Temp. 108 °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size _____ Make _____ Ser. No. _____

Type Circ. Sub. Halliburton Did Tool Plug? no Where? _____ Did Packer Hold? yes

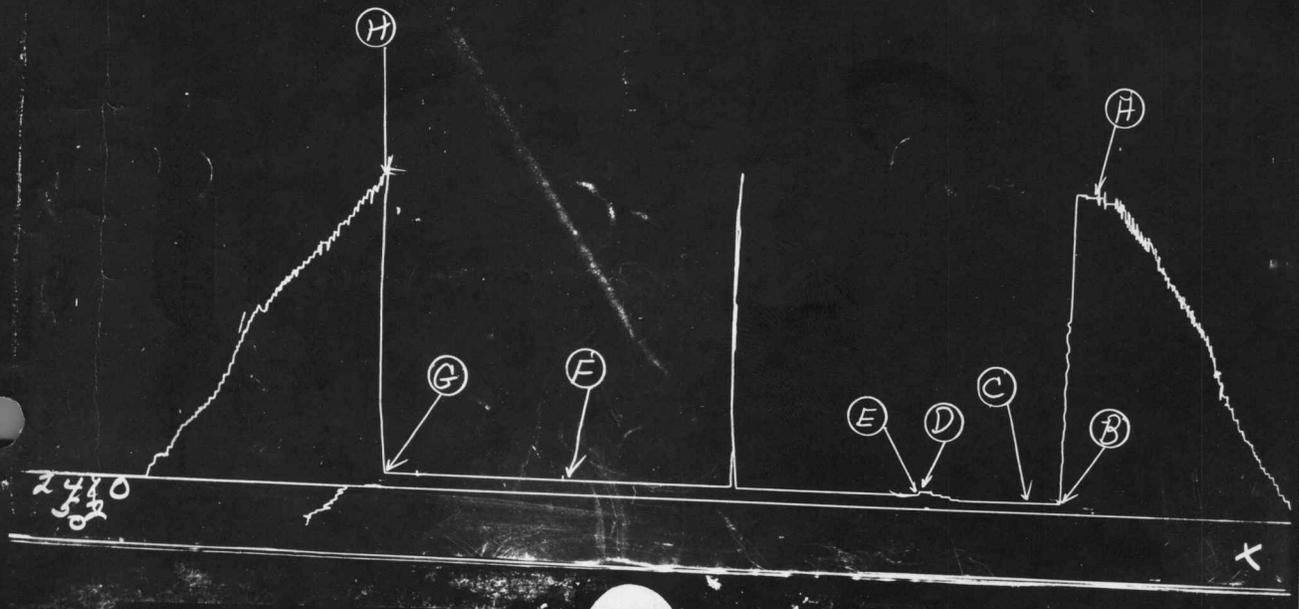
Remarks Flush Tool

Petroleum Inc.

Doll #1

Test # 1

T.K.T. # 2410



GARVEY DRILLING COMPANY

TESTING DIVISION

Company Petroleum Inc. Lease & Well No. Doll #1
Date 4-5-63 Sec. _____ Twp. _____ Range _____ County Barton State Kansas
Test Approved by Cullen Thomas Western Representative Doyle Folkerts

Ticket #2411

Formation Test No. 2 O.K. Misrun _____ Interval Tested From 3103 to 3127 Total Depth 3127
Size Main Hole 7 7/8 Rat Hole _____ Conv. B.T. _____ Damaged Yes No _____ Conv. B.T. _____ Damaged Yes No _____
Packer Depth 3097 Ft. Size 6 3/4 Packer Depth 3103 Ft. Size 6 3/4
Straddle Yes No _____ Conv. _____ B.T. _____ Damaged Yes _____ No _____
Packer Depth _____ Ft. Size _____
Tool Size 5" Tool Jt. Size 5 1/2 Anchor Length 24 Ft. Size 4 1/2 FH

RECORDERS Depth 3122 Ft. Clock No. 51 Depth 3124 Ft. Clock No. 52
Top Make Western Cap. 4000 No. 51 Inside Outside Bottom Make Western Cap. 4000 No. 52 Inside Outside
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Set Packer 1:17 P M
Tool Open I.F.P. From 1:20 M. to 1:40 M. Hr. 20 Min. From (B) 80 P.S.I. To (C) 80 P.S.I.
Tool Closed I.C.I.P. From 1:40 M. to 2:00 M. Hr. 20 Min. (D) 670 P.S.I.
Tool Open F.F.P. From 2:00 M. to 2:40 M. Hr. 40 Min. From (E) 90 P.S.I. To (F) 90 P.S.I.
Tool Closed F.C.I.P. From 2:40 M. to 3:10 M. Hr. 30 Min. (G) 850 P.S.I.
Initial Hydrostatic Pressure (A) 1780 P.S.I. Final Hydrostatic Pressure (H) 1780 P.S.I.

SURFACE INFORMATION Size Choke 1/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
_____ M. _____
_____ M. _____
_____ M. _____

BLOW Good
Did Well Flow Yes No _____ Recovery Total Ft. 240' Oil 900' Bottom Choke Size 1/2 in. Gas _____ Water _____
120' gascut mud 120' Gas Cud wtry mud w/ slight show oil Mud _____
Reversed Out Yes No _____ Mud Type Starch Viscosity 42 Weight 10.5 Maximum Temp. 110 °F
EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Jars: Size _____ Make _____ Ser. No. _____
Type Circ. Sub. Halliburton Did Tool Plug? No Where? _____ Did Packer Hold? Yes
Remarks _____

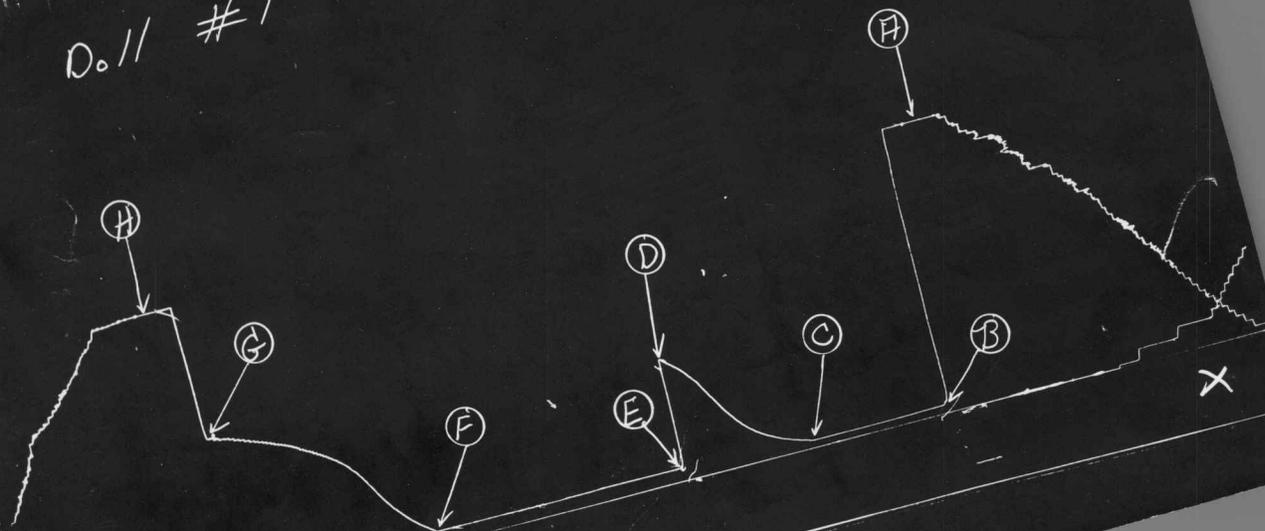
Petroleum

Inc.

Well #1

Test # 2

T.K.T. # 2411



GARVEY DRILLING COMPANY

TESTING DIVISION

Company Petroleum Inc. Lease & Well No. Doll #1

Date 4-6-63 Sec. _____ Twp. _____ Range _____ County Barton State Kansas

Test Approved by Cullen Thomas Western Representative Doyle D. Folkerts

Ticket #2412

Formation Test No. 3 O.K. Misrun _____ Interval Tested From 3132 to 3190 Total Depth 3190

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

Packer Depth _____ Ft. Size _____ Packer Depth _____ Ft. Size _____

Straddle _____ Yes No Conv. _____ B.T. _____ Damaged _____ Yes _____ No

Packer Depth _____ Ft. Size _____

Tool Size 5" Tool Jt. Size 5 1/2 Anchor Length 58 Ft. Size 4 1/2 FH

RECORDERS Depth 3185 Ft. Clock No. 51 Depth 3187 Ft. Clock No. 52

Top Make Western Cap. 4000 No. 51 ~~Inside~~ Outside Bottom Make Western Cap. 4000 No. 52 ~~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

Set Packer 3:37 AM

Tool Open I.F.P. From 3:40 M. to 4:00 M. Hr. 20 Min. From (B) 90 P.S.I. To (C) 90 P.S.I.

Tool Closed I.C.I.P. From 4:00 M. to 4:20 M. Hr. 20 Min. (D) 490 P.S.I.

Tool Open F.F.P. From 4:20 M. to 5:00 M. Hr. 40 Min From (E) 120 P.S.I. To (F) 120 P.S.I.

Tool Closed F.C.I.P. From 5:00 M. to 5:30 M. Hr. 30 Min. (G) 730 P.S.I.

Initial Hydrostatic Pressure (A) 1860 P.S.I. Final Hydrostatic Pressure (H) 1860 P.S.I.

| SURFACE INFORMATION | Size Choke | Max. Press. P.S.I. | Time | Description of Flow |
|---------------------|----------------|--------------------|------|---------------------|
| | <u>1/4</u> In. | | M. | |
| | | | M. | |
| | | | M. | |

BLOW Good Bottom Choke Size 1/2 in.

Did Well Flow _____ Yes No. Recovery Total Ft. 270' Oil _____ Gas _____ Water _____

90' Heavy Gas & Light Oil Cut Mud - 60' H. G. & O. C. Mud - 120' Muddy Oil Mud

Reversed Out _____ Yes No Mud Type Starch Viscosity 43 Weight 10.3 Maximum Temp. 110 °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size _____ Make _____ Ser. No. _____

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

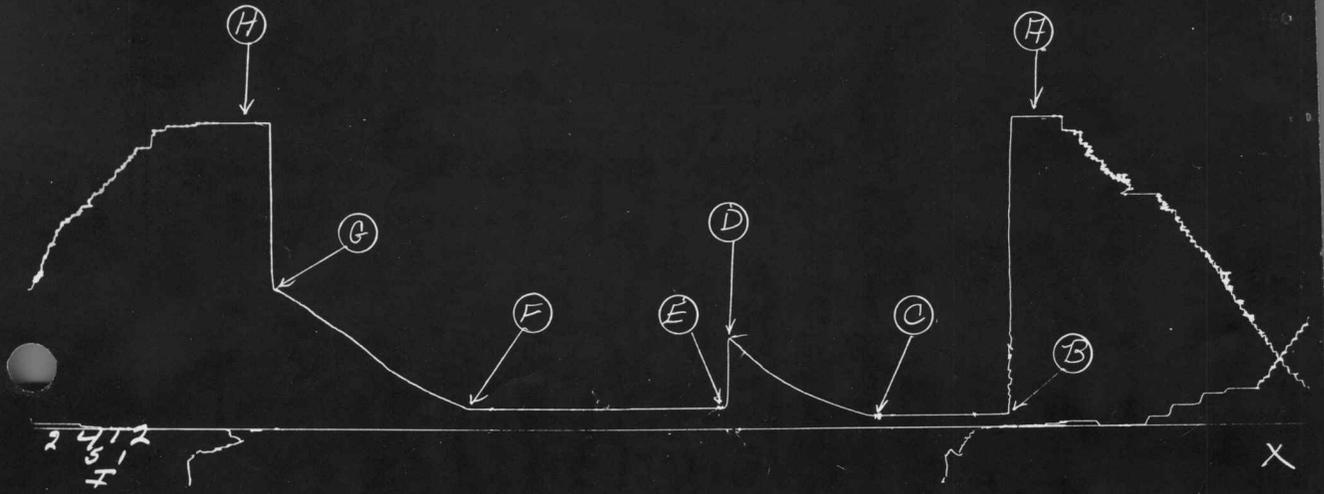
Remarks _____

Petroleum Inc.

Test # 3

Doll # 1

T.K.T. # 2412



GARVEY DRILLING COMPANY

TESTING DIVISION

Company Petroleum Inc. Lease & Well No. Doll #1
Date 4-6-63 Sec. _____ Twp. _____ Range _____ County Barton State Kansas
Test Approved by Cullen Thomas Western Representative Doyle Folkerts

Ticket #2413

Formation Test No. 4 O.K. Misrun _____ Interval Tested From 3205 to 3260 Total Depth 3260
Size Main Hole 7 7/8 Rat Hole _____ Conv. B.T. _____ Damaged Yes No _____ Conv. _____ B.T. _____ Damaged Yes No _____
Packer Depth 3199 Ft. Size 6 3/4 Packer Depth 3205 Ft. Size 6 3/4
Straddle _____ Yes No _____ Conv. _____ B.T. _____ Damaged Yes _____ No _____
Packer Depth _____ Ft. Size _____
Tool Size 5" Tool Jt. Size 5 1/2" Anchor Length 55 Ft. Size 4 1/2 FH

RECORDERS Depth 3255 Ft. Clock No. 51 Depth 3257 Ft. Clock No. 52
Top Make Western Cap. 4000 No. 51 ~~Inside~~ Outside Bottom Make Western Cap. 4000 No. 52 ~~Inside~~ Outside
Below Straddle: Depth _____ Clock No. _____ Inside Depth _____ Ft. Clock No. _____ Inside
Top Make _____ Cap. _____ No. _____ Inside Bottom Make _____ Cap. _____ No. _____ Inside
_____ Outside _____ Outside

Set Packer 8:32 P M
Tool Open I.F.P. From 8:35 M. to 8:55 M. Hr. 20 Min. From (B) 60 P.S.I. To (C) 60 P.S.I.
Tool Closed I.C.I.P. From 8:55 M. to 9:15 M. Hr. 20 Min. (D) 640 P.S.I.
Tool Open F.F.P. From 9:15 M. to 9:35 M. Hr. 20 Min. From (E) 60 P.S.I. To (F) 60 P.S.I.
Tool Closed F.C.I.P. From 9:35 M. to 9:55 M. Hr. 20 Min. (G) 450 P.S.I.
Initial Hydrostatic Pressure (A) 1940 P.S.I. Final Hydrostatic Pressure (H) 1980 P.S.I.

SURFACE Size Choke 1/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Weak 10 min. Bottom Choke Size 1/2 in.
Did Well Flow Yes No _____ Recovery Total Ft. 10 Oil _____ Gas _____ Water _____

Reversed Out. Yes No _____ Mud Type Starch Viscosity 42 Weight 10.5 Maximum Temp. 112 °F
EXTRA EQUIPMENT: Dual Packers Yes Safety Joint no Jars: Size _____ Make _____ Ser. No. _____
Type Circ. Sub. Halliburton Did Tool Plug? no Where? _____ Did Packer Hold? yes
Remarks _____

Petroleum Inc.
Doll #1

Test # 4
T.K.T. #2413

