

GARVEY DRILLING COMPANY

TESTING DIVISION

Nº 3216

Company Pet. Inc. Lease & Well No. 11-1

Elevation _____ Ticket Number _____

Date 10-25-48 Sec. _____ Twp. _____ Range _____ County Rock State Miss

Test Approved by Bob Brooks Garvey Representative John F. Smith

Formation Test No. 1 O.K. ☒ Misrun _____ Interval Tested From 3473 to 3550 Total Depth 3550

Size Main Hole 7 1/8 Rat Hole _____ Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No ☐ Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No ☐

Packer Depth 3473 Ft. Size 1 1/4 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 17 Ft. Size 4 1/2 Ft.

RECORDERS Depth 478 Ft. Clock No. 5701 Depth 3481 Ft. Clock No. 117

Top Make _____ Cap. 1000 No. 3714 Inside _____ Outside _____ Bottom Make _____ Cap. 1000 No. 31 Inside _____ Outside _____

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

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

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

Time Set Packer 1:12 M

Tool Open I.F.P. From _____ M. to _____ M. _____ Hr. _____ Min. From (B) 34 P.S.I. To (C) 30 P.S.I.

Tool Closed I.C.I.P. From _____ M. to _____ M. _____ Hr. _____ Min. (D) _____ P.S.I.

Tool Open F.F.P. From _____ M. to _____ M. _____ Hr. _____ Min. From (E) _____ P.S.I. To (F) 39 P.S.I.

Tool Closed F.C.I.P. From _____ M. to _____ M. _____ Hr. _____ Min. (G) 6:11 P.S.I.

Initial Hydrostatic Pressure (A) 1908 P.S.I. Final Hydrostatic Pressure (H) 1254 P.S.I.

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

INFORMATION _____ M. _____

_____ M. _____

_____ M. _____

BLOW 15 Min. Dried Bottom Choke Size 1 in.

Did Well Flow _____ Yes ☒ No ☐ Recovery Total Ft. _____

Reversed Out _____ Yes ☒ No ☐ Mud Type Slurry Viscosity 46 Weight 9.7 Maximum Temp. 90 °F

EXTRA EQUIPMENT: Dual Packers 40 Safety Joint 100 Jars: Size _____ Make _____ Ser. No. _____

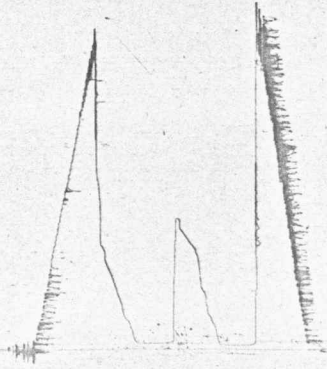
Type Circ. Sub. 1 1/2 in. 16 lb. Did Tool Plug? 100 Where? _____ Did Packer Hold? Yes

Length Drill Pipe _____ ft. I. D Drill Pipe _____ in. Length Weight Pipe _____ ft. I. D. Weight Pipe _____ in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D. S. T. Tool 17 ft.

Remarks _____

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GARVEY DRILLING COMPANY

TESTING DIVISION

No 3217

Company P.H. Inc. Lease & Well No. 15-H-11-1
 Elevation _____ Ticket Number _____
 Date 10-26-58 Sec. _____ Twp. _____ Range _____ County Brooks State Nebraska
 Test Approved by Bob Brooks Garvey Representative Dwight Brooks

Formation Test No. 2 O.K. _____ Misrun _____ Interval Tested From 3563 to 3635 Total Depth 3635
 Size Main Hole 7 7/8 Rat Hole _____ Conv. X B.T. _____ Damaged _____ Yes _____ No _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No _____
 Straddle _____ Yes X No _____ Packer Depth _____ Ft. Size 4 1/2 Packer Depth _____ Ft. Size _____
 Conv. _____ B.T. _____ Damaged _____ Yes _____ No _____
 Packer Depth _____ Ft. Size _____
 Tool Size 5" Tool Jt. Size 5 1/2" Anchor Length _____ Ft. Size 4 1/2" H

RECORDERS Depth _____ Ft. Clock No. _____ Depth _____ Ft. Clock No. _____
 Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____ Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____
 Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
 Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____
 Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 2:13 M
 Tool Open I.F.P. From _____ M. to _____ M. Hr. _____ Min. From (B) _____ P.S.I. To (C) _____ P.S.I.
 Tool Closed I.C.I.P. From _____ M. to _____ M. Hr. _____ Min. (D) _____ P.S.I.
 Tool Open F.F.P. From _____ M. to _____ M. Hr. _____ Min. From (E) _____ P.S.I. To (F) _____ P.S.I.
 Tool Closed F.C.I.P. From _____ M. to _____ M. Hr. _____ Min. (G) _____ P.S.I.
 Initial Hydrostatic Pressure (A) 1946 P.S.I. Final Hydrostatic Pressure (H) 1930 P.S.I.

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

BLOW _____
 Did Well Flow _____ Yes _____ No _____ Recovery Total Ft. 45' Mud Bottom Choke Size _____ in.

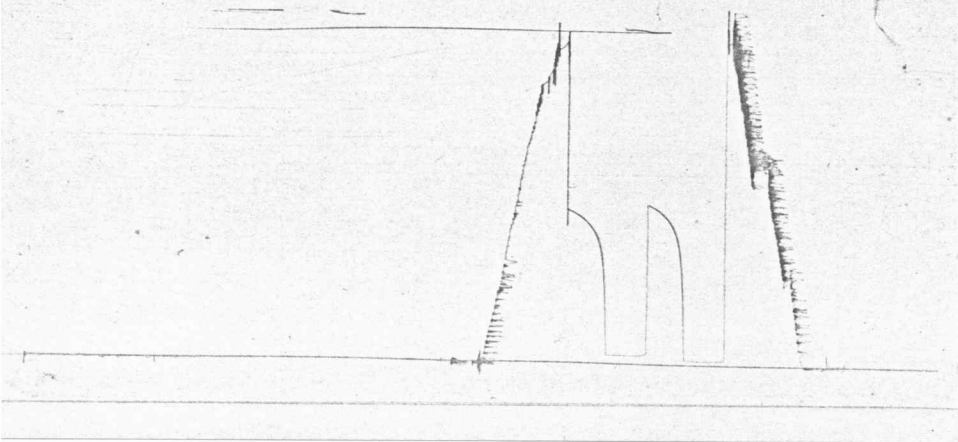
Reversed Out _____ Yes _____ No Mud Type _____ Viscosity 42 Weight 7.8 Maximum Temp. 70 °F

EXTRA EQUIPMENT: Dual Packers _____ Safety Joint _____ Jars: Size _____ Make _____ Ser. No. _____
 Type Circ. Sub. _____ Did Tool Plug? _____ Where? _____ Did Packer Hold? _____
 Length Drill Pipe _____ ft. I. D Drill Pipe _____ in. Length Weight Pipe _____ ft. I. D. Weight Pipe _____ in. Length Drill Collars _____ ft.
 I. D. Drill Collars _____ in. Length D. S. T. Tool _____ ft.

Remarks _____

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3217



GARVEY DRILLING COMPANY

TESTING DIVISION

No 3218

Company Pot INC. Lease & Well No. Keller H-1
 Elevation _____ Ticket Number _____
 Date 10-27-68 Sec. _____ Twp. _____ Range _____ County Rooks State KANSAS
 Test Approved by B. Brooks Garvey Representative D. Folk

Formation Test No. 3 O.K. ☒ Misrun ☒ Interval Tested From 3807 to 3812 Total Depth 3812
 Size Main Hole 7 7/8 Rat Hole _____ Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No ☐ Conv. _____ B.T. _____ Damaged _____ Yes ☐ No ☐
 Straddle _____ Yes ☒ No ☐ Packer Depth 3807 Ft. Size 4 1/2 Packer Depth _____ Ft. Size _____
 Conv. _____ B.T. _____ Damaged _____ Yes ☐ No ☐
 Tool Size 5" Packer Depth _____ Ft. Size _____
 Tool Jt. Size 5 1/2" Anchor Length _____ Ft. Size 4 1/2 FH

RECORDERS Depth 3798 Ft. Clock No. 8701 Depth _____ Ft. Clock No. _____
 Top Make K. 1/2 Cap. 300 No. 2774 Inside _____ Outside _____
 Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____
 Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
 Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____
 Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 8:15 M
 Tool Open I.F.P. From _____ M. to _____ M. Hr. 20 Min. From (B) _____ P.S.I. To (C) _____ P.S.I.
 Tool Closed I.C.I.P. From _____ M. to _____ M. Hr. 20 Min. (D) _____ P.S.I.
 Tool Open F.F.P. From _____ M. to _____ M. Hr. 20 Min. From (E) _____ P.S.I. To (F) _____ P.S.I.
 Tool Closed F.C.I.P. From _____ M. to _____ M. Hr. 20 Min. (G) _____ P.S.I.
 Initial Hydrostatic Pressure (A) _____ P.S.I. Final Hydrostatic Pressure (H) _____ P.S.I.

SURFACE Size Choke 2 1/2 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
 INFORMATION _____ M. _____
 _____ M. _____
 _____ M. _____

BLOW weak
 Did Well Flow _____ Yes ☒ No ☐ Recovery Total Ft. 75' mud Bottom Choke Size 2 in.

Reversed Out _____ Yes ☒ No ☐ Mud Type Shale Viscosity 4 Weight 9.9 Maximum Temp. _____ °F

EXTRA EQUIPMENT: Dual Packers NO Safety Joint NO Jars: Size _____ Make _____ Ser. No. _____
 Type Circ. Sub. Hollow Did Tool Plug? YES Where? Tool Did Packer Hold? YES
 Length Drill Pipe _____ ft. I. D Drill Pipe _____ in. Length Weight Pipe _____ ft. I. D. Weight Pipe 2 1/2 in. Length Drill Collars _____ ft.
 I. D. Drill Collars _____ in. Length D. S. T. Tool 30 ft.

Remarks Shd tool is 7' bottom plugged tool

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GARVEY DRILLING COMPANY

TESTING DIVISION

Nº 3219

Company Pet. Inc. Lease & Well No. Keller H-1

Elevation _____ Ticket Number _____

Date 10-27-68 Sec. _____ Twp. _____ Range _____ County Rock State Kansas

Test Approved by Bob Brooks Garvey Representative Doyle Folkerts

Formation Test No. 4 O.K. ☒ Misrun ☒ Interval Tested From 3808 to 3812 Total Depth 3812

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

Packer Depth 3808 Ft. Size 6 3/4 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 4 Ft. Size 4 1/2 F.A.

RECORDERS Depth 3799 Ft. Clock No. 8701 Depth _____ Ft. Clock No. _____

Top Make Kuster Cap. 4200 No. 2774 Inside _____ Outside _____

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

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

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

Time Set Packer _____ M

Tool Open I.F.P. From _____ M. to _____ M. Hr. _____ Min. From (B) _____ P.S.I. To (C) _____ P.S.I.

Tool Closed I.C.I.P. From _____ M. to _____ M. Hr. _____ Min. (D) _____ P.S.I.

Tool Open F.F.P. From _____ M. to _____ M. Hr. _____ Min. From (E) _____ P.S.I. To (F) _____ P.S.I.

Tool Closed F.C.I.P. From _____ M. to _____ M. Hr. _____ Min. (G) _____ P.S.I.

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

SURFACE Size Choke 2 1/2 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____

INFORMATION _____ M. _____ M. _____ M. _____

BLOW _____

Did Well Flow _____ Yes ☒ No ☒ Recovery Total Ft. _____ Bottom Choke Size 2 in.

Reversed Out _____ Yes ☒ No ☒ Mud Type Starch Viscosity 4.5 Weight 9.9 Maximum Temp. _____ °F

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

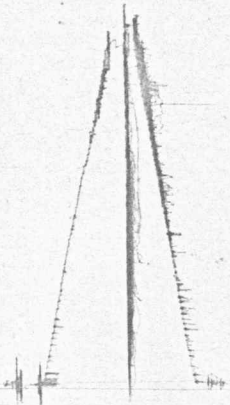
Type Circ. Sub. Hollow Did Tool Plug? NO Where? _____ Did Packer Hold? NO

Length Drill Pipe 2783 ft. I. D Drill Pipe 3 1/2 in. Length Weight Pipe 1000 ft. I. D. Weight Pipe 2 1/2 in. Length Drill Collars _____ ft.

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

Remarks Packer Failure

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GARVEY DRILLING COMPANY

TESTING DIVISION

Nº 3220

Company Pet. Inc. Lease & Well No. Keller H 1
 Elevation _____ Ticket Number _____
 Date 10-27-68 Sec. _____ Twp. _____ Range _____ County Rooks State Kansas
 Test Approved by Bob Brooks Garvey Representative Doyle Folkerts

Formation Test No. 5 O.K. ☒ Misrun ☐ Interval Tested From 3683 to 3812 Total Depth 3812
 Size Main Hole 7 7/8 Rat Hole _____ Conv. ☒ B.T. _____ Damaged ☐ Yes ☒ No Conv. ☒ B.T. _____ Damaged ☐ Yes ☒ No
 Packer Depth 3683 Ft. Size 6 3/4 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 129 Ft. Size 4 1/2 FH

RECORDERS Depth 3688 Ft. Clock No. 8701 Depth 3701 Ft. Clock No. 118
 Top Make Muskat Cap. 4300 No. 2774 Inside Outside Bottom Make Muskat Cap. 4000 No. 51 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 10:13 P M
 Tool Open I.F.P. From 10:15 M. to 10:45 M. Hr. 30 Min. From (B) 34 P.S.I. To (C) 45 P.S.I.
 Tool Closed I.C.I.P. From 10:45 M. to 11:15 M. Hr. 30 Min. (D) 709 P.S.I. To (F) 68 P.S.I.
 Tool Open F.F.P. From 11:15 M. to 11:45 M. Hr. 30 Min. From (E) 57 P.S.I. To (F) 68 P.S.I.
 Tool Closed F.C.I.P. From 11:45 M. to 12:15 M. Hr. 30 Min. (G) 965 P.S.I. To (H) 2061 P.S.I.
 Initial Hydrostatic Pressure (A) 2061 P.S.I. Final Hydrostatic Pressure (H) 2061 P.S.I.

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

BLOW Weak
 Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 90' Mud Bottom Choke Size 4 in.

Reversed Out ☐ Yes ☒ No Mud Type Stark Viscosity 45 Weight 9.9 Maximum Temp. 94 °F
 EXTRA EQUIPMENT: Dual Packers NO Safety Joint NO Jars: Size _____ Make _____ Ser. No. _____
 Type Circ. Sub. Halliburton Did Tool Plug? NO Where? _____ Did Packer Hold? YES
 Length Drill Pipe 266 ft. I. D Drill Pipe 3 1/2 in. Length Weight Pipe 1000 ft. I. D. Weight Pipe 2 1/2 in. Length Drill Collars _____ ft.
 I. D. Drill Collars _____ in. Length D. S. T. Tool 146 ft.

Remarks _____

3-2-20

