

GARVEY DRILLING COMPANY

TESTING DIVISION

NO 2915

Company Pet Inc. Lease & Well No. Bell 44224 C-1

Elevation _____ Ticket Number _____

Date 10-30-66 Sec. _____ Twp. _____ Range _____ County Grady State Kansas

Test Approved by Jay Dirks Garvey Representative Doyle Folberts

Formation Test No. 1/2 O.K. X Misrun - Interval Tested From 3563 to 3592 Total Depth 3592

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

Packer Depth 3557 Ft. Size 624 Packer Depth 3563 Ft. Size 624

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

Packer Depth - Ft. Size -

Tool Size 5" Tool Jt. Size 5 1/2" Anchor Length 29 Ft. Size 4 1/2 F.H.

RECORDERS Depth 3570 Ft. Clock No. 8700 Depth 3573 Ft. Clock No. 118

Top Make Kuster Cap. 4200 No. 2774 Inside - Outside - Bottom Make Kuster 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 3:07 P.M.

Tool Open I.F.P. From 3:11 M. to 3:41 M. Hr. 30 Min. From (B) 11 P.S.I. To (C) 11 P.S.I.

Tool Closed I.C.I.P. From 3:41 M. to 4:11 M. Hr. 30 Min. (D) 699 P.S.I.

Tool Open F.F.P. From 4:11 M. to 4:41 M. Hr. 30 Min From (E) 23 P.S.I. To (F) 23 P.S.I.

Tool Closed F.C.I.P. From 4:41 M. to 5:11 M. Hr. 30 Min. (G) 582 P.S.I.

Initial Hydrostatic Pressure (A) 2039 P.S.I. Final Hydrostatic Pressure (H) 1929 P.S.I.

SURFACE Size Choke 7 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____

INFORMATION _____ M. _____

_____ M. _____

_____ M. _____

BLOW weak 20 min. Died Bottom Choke Size _____ in.

Did Well Flow Yes No. Recovery Total Ft. 15' mud

Reversed Out - Yes X No - Mud Type slud Viscosity 48 Weight 10.3 Maximum Temp. 100 °F

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

Type Circ. Sub. 1 1/2 in. bit Did Tool Plug? NO Where? - Did Packer Hold? yes

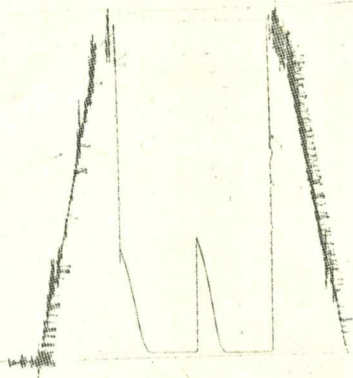
Length Drill Pipe 3570 ft. I. D Drill Pipe 3 1/2 in. Length Weight Pipe - ft. I. D. Weight Pipe - in. Length Drill Collars - ft.

I. D. Drill Collars - in. Length D. S. T. Tool 52 ft.

Remarks _____

12-95-21W
N2-SE-SW

291.5



GARVEY DRILLING COMPANY

TESTING DIVISION

N^o 2916

Company RT Inc. Lease & Well No. Balthazar C-1

Elevation _____ Ticket Number _____

Date 10-31-66 Sec. _____ Twp. _____ Range _____ County Graham State Kansas

Test Approved by Jay Dinks Garvey Representative Doyle Fullen

Formation Test No. 2 O.K. X Misrun - Interval Tested From 3675 to 3681 Total Depth 3681

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

Packer Depth 3675 Ft. Size 6-4 Packer Depth - Ft. Size -

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

Packer Depth - Ft. Size -

Tool Size 5" Tool Jt. Size 5 1/2" Anchor Length 6 Ft. Size 4 1/2 FH

RECORDERS Depth 3667 Ft. Clock No. 2700 Depth 3679 Ft. Clock No. 418

Top Make Hoke Cap. 4000 No. 2774 Inside Outside Bottom Make Hoke 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 1:25 P M

Tool Open I.F.P. From 1:11 M. to 1:41 M. - Hr. 30 Min. From (B) 0 P.S.I. To (C) 0 P.S.I.

Tool Closed I.C.I.P. From 1:58 M. to 2:28 M. - Hr. 30 Min. (D) 0 P.S.I.

Tool Open F.F.P. From 2:28 M. to 2:58 M. - Hr. 30 Min From (E) 0 P.S.I. To (F) 0 P.S.I.

Tool Closed F.C.I.P. From 2:58 M. to 3:28 M. - Hr. 30 Min. (G) 0 P.S.I.

Initial Hydrostatic Pressure (A) 2039 P.S.I. Final Hydrostatic Pressure (H) 2039 P.S.I.

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

INFORMATION _____ M. _____

_____ M. _____

_____ M. _____

BLOW WORK 30 MIN. Bottom Choke Size 6 in.

Did Well Flow - Yes X No - Recovery Total Ft. 10' Mud with 4 few Oil spots

Reversed Out - Yes X No - Mud Type STARK Viscosity 47 Weight 10.3 Maximum Temp. 108 °F

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

Type Circ. Sub. 1 1/2" 10' 10' 10' Did Tool Plug? NO Where? - Did Packer Hold? yes

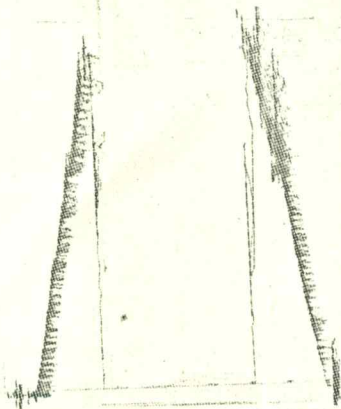
Length Drill Pipe 205 ft. I. D Drill Pipe 3 1/2 in. Length Weight Pipe - ft. I. D. Weight Pipe - in. Length Drill Collars - ft.

I. D. Drill Collars - in. Length D. S. T. Tool 21 ft.

Remarks _____

12-95-21W
N2-SE-SW

2916



GARVEY DRILLING COMPANY

TESTING DIVISION

N^o 2917

Company Pet. Inc. Lease & Well No. Beltzner C-1
 Elevation _____ Ticket Number _____
 Date 10-31-66 Sec. _____ Twp. _____ Range _____ County Graham State Kansas
 Test Approved by Jay Dicks Garvey Representative Doyle Folkerts

Formation Test No. 3 O.K. X Misrun - Interval Tested From 3681 to 3691 Total Depth 3691
 Size Main Hole 7 7/8 Rat Hole - Conv. X B.T. - Damaged Yes X No - Conv. - B.T. - Damaged Yes - No -
 Packer Depth 3681 Ft. Size 6 3/4 Packer Depth - Ft. Size -
 Straddle - Yes X No - Conv. - B.T. - Damaged Yes - No -
 Packer Depth - Ft. Size -
 Tool Size 5" Tool Jt. Size 5 1/2" Anchor Length 10 Ft. Size 4 1/2 FH

RECORDERS Depth 3686 Ft. Clock No. 8700 Depth 3689 Ft. Clock No. 118
 Top Make Musson Cap. 4200 No. 2774 Inside - Outside - Bottom Make Western 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 11:27 P M
 Tool Open I.F.P. From 11:29 M. to 11:59 M. Hr. 30 Min. From (B) 23 P.S.I. To (C) 23 P.S.I.
 Tool Closed I.C.I.P. From 11:59 M. to 12:29 M. Hr. 30 Min. (D) 443 P.S.I.
 Tool Open F.F.P. From 12:29 M. to 12:59 M. Hr. 30 Min From (E) 34 P.S.I. To (F) 34 P.S.I.
 Tool Closed F.C.I.P. From 12:59 M. to 1:29 M. Hr. 30 Min. (G) 68 P.S.I.
 Initial Hydrostatic Pressure (A) 3104 P.S.I. Final Hydrostatic Pressure (H) 2082 P.S.I.

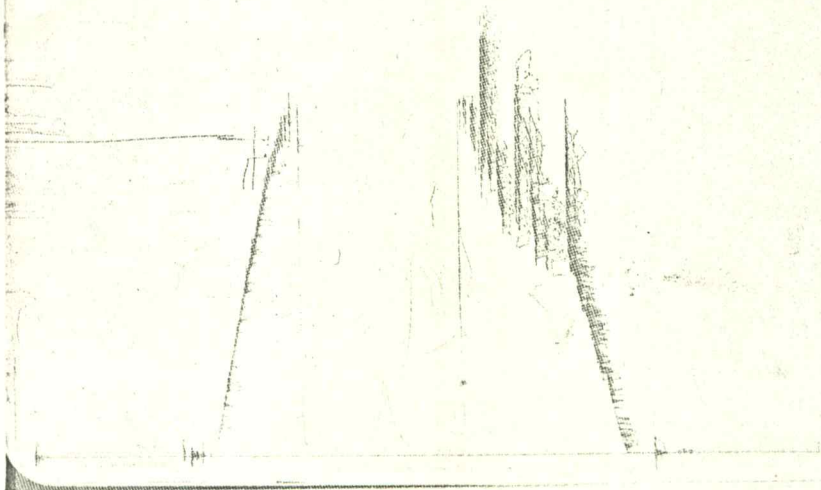
SURFACE Size Choke 4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
 INFORMATION _____ M. _____
 _____ M. _____
 _____ M. _____

BLOW weak Bottom Choke Size 4 in.
 Did Well Flow - Yes X No - Recovery Total Ft. 30' Oil Specified Mud

Reversed Out - Yes X No - Mud Type Starch Viscosity 47 Weight 10.3 Maximum Temp. 108 °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 3104 ft. I. D Drill Pipe 3 1/2 in. Length Weight Pipe - ft. I. D. Weight Pipe - in. Length Drill Collars - ft.
 I. D. Drill Collars - in. Length D. S. T. Tool 27 ft.
 Remarks _____

12-95-21w
 12-55-5w

2917



GARVEY DRILLING COMPANY

TESTING DIVISION

Nº 2918

Company Pet Inc. Lease & Well No. Balthazar C-1

Elevation _____ Ticket Number _____

Date 11-1-66 Sec. _____ Twp. _____ Range _____ County Graham State Kansas

Test Approved by Jay Dicks Garvey Representative Doyle Folkerts

Formation Test No. 4 O.K. X Misrun _____ Interval Tested From 3691 to 3706 Total Depth 3706

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

Packer Depth 3691 Ft. Size 6 3/4 Packer Depth _____ Ft. Size _____

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

Packer Depth _____ Ft. Size _____

Tool Size 5" Tool Jt. Size 5 1/2" Anchor Length 15 Ft. Size 4 1/2 FH

RECORDERS Depth 3695 Ft. Clock No. 8700 Depth 3698 Ft. Clock No. 118

Top Make Mustang Cap. 4200 No. 2774 Inside _____ Outside _____ Bottom Make Western Cap. 4000 No. 51 Inside _____ Outside _____

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

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

Time Set Packer 10:46 A.M.

Tool Open I.F.P. From 10:48 M. to 11:18 M. Hr. 30 Min. From (B) 23 P.S.I. To (C) 23 P.S.I.

Tool Closed I.C.I.P. From 11:18 M. to 11:48 M. Hr. 30 Min. (D) 765 P.S.I.

Tool Open F.F.P. From 11:48 M. to 12:18 M. Hr. 30 Min From (E) 34 P.S.I. To (F) 34 P.S.I.

Tool Closed F.C.I.P. From 12:18 M. to 12:48 M. Hr. 30 Min. (G) 599 P.S.I.

Initial Hydrostatic Pressure (A) 2071 P.S.I. Final Hydrostatic Pressure (H) 2071 P.S.I.

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

INFORMATION _____ M. _____
 _____ M. _____
 _____ M. _____

BLOW work Bottom Choke Size 5 in.

Did Well Flow _____ Yes X No _____ Recovery Total Ft. 10' Oil Cut + Mud - 40' Oil speckled Mud

Reversed Out _____ Yes X No _____ Mud Type Starch Viscosity 44 Weight 10.3 Maximum Temp. 110 °F

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

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

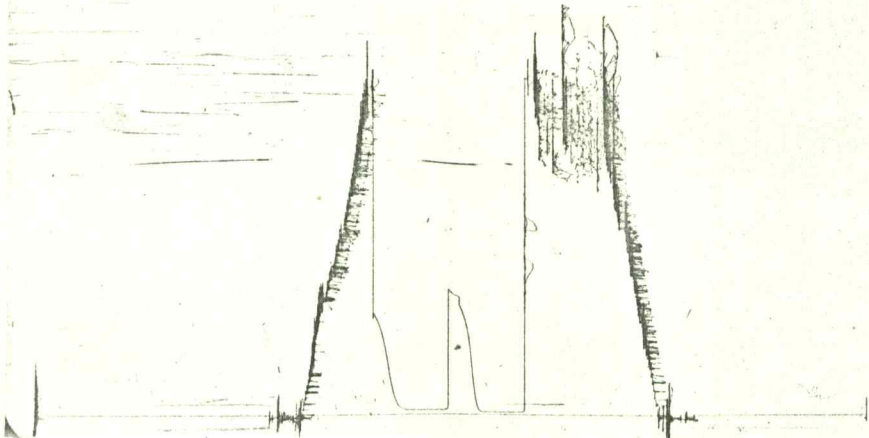
Length Drill Pipe 3674 ft. I. D Drill Pipe 3 1/2 in. Length Weight Pipe _____ ft. I. D. Weight Pipe _____ in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D. S. T. Tool 32 ft.

Remarks _____

12-95-21W
N2-5E-5W

2918



GARVEY DRILLING COMPANY

TESTING DIVISION

Nº 2919

NO

Company Pet. Inc. Lease & Well No. Balt 4020R C-1

Elevation _____ Ticket Number _____

Date 11-1-66 Sec. _____ Twp. _____ Range _____ County Graham State Kansas

Test Approved by Jay Dirks Garvey Representative Doyle Folkerts

Formation Test No. 5 O.K. X Misrun - Interval Tested From 3706 to 3721 Total Depth 3721

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

Packer Depth 3706 Ft. Size 6 3/4 Packer Depth - Ft. Size -

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

Packer Depth 3706 Ft. Size 6 3/4

Tool Size 5" Tool Jt. Size 5 1/2" Anchor Length 15 Ft. Size 4 1/2 FH

RECORDERS Depth 3711 Ft. Clock No. 8700 Depth 3714 Ft. Clock No. 118

Top Make Kuster Cap. 4300 No. 2774 Inside - Outside - Bottom Make Western Cap. 4000 No. 51 Inside - Outside -

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

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

Time Set Packer 10:55 P M _____

Tool Open I.F.P. From 10:58 M. to 11:28 M. Hr. 30 Min. From (B) _____ P.S.I. To (C) 147 P.S.I.

Tool Closed I.C.I.P. From 11:28 M. to 11:58 M. Hr. 30 Min. (D) 1009 P.S.I.

Tool Open F.F.P. From 11:58 M. to 12:28 M. Hr. 30 Min From (E) 227 P.S.I. To (F) 340 P.S.I.

Tool Closed F.C.I.P. From 12:28 M. to 12:58 M. Hr. 30 Min. (G) 998 P.S.I.

Initial Hydrostatic Pressure (A) 2071 P.S.I. Final Hydrostatic Pressure (H) 2060 P.S.I.

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

INFORMATION _____ M. _____

_____ M. _____

_____ M. _____

BLOW Good Bottom Choke Size 4 in.

Did Well Flow - Yes X No - Recovery Total Ft. 790' water

Reversed Out - Yes X No - Mud Type Starch Viscosity 44 Weight 10.3 Maximum Temp. 112 °F

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

Type Circ. Sub. Halliburton Did Tool Plug? NO Where? - Did Packer Hold? YES

Length Drill Pipe 3684 ft. I. D Drill Pipe 3 1/2 in. Length Weight Pipe - ft. I. D. Weight Pipe - in. Length Drill Collars - ft.

I. D. Drill Collars - in. Length D. S. T. Tool 32 ft.

Remarks _____

12-95-21K
N2. SE-SW

2919

