WESTERN TESTING CO., INC.
FORMATION TESTING
TICKET 22612

P. O. BOX 793 PHONE 793-7903
GREAT BEND, KANSAS

Formation Howard Elevation 1323 KB Eff. Pay _____ Ft.

District Augusta Date 4-25-77 Customer Order No. —

COMPANY NAME Wiley Ash Jr.
ADDRESS 9400 E. Lincoln Apt 109 Wichita, Ks 67207
LEASE AND WELL NO. Stewart #1 COUNTY Sumner STATE Kans. Sec. 34 Twp. 30 Rge. 2W
Mail Inv. To Same No. Copies Requested 1
Co. Name Address
Mail Charts To — No. Copies Requested —
Address

Formation Test No. 1 O.K. ____ Misrun ____ Interval Tested From 1931 to 1938 Total Depth 1938
Size Main Hole 7 7/8 Rat Hole ____ Conv. X B.T. ____ Damaged ____ Yes X No Conv. ____ B.T. ____ Damaged ____ Yes ____ No
Top Packer Depth 1928 Ft. Size 6 3/4 Bottom Packer Depth ____ Ft. Size ____
Straddle ____ Conv. ____ B.T. ____ Damaged ____ Yes ____ No Packer Depth ____ Ft. Size ____
Tool Size 5 1/2 Tool Joint Size 4 1/2 XH Anchor Length 7 Ft. Size 5 1/2 Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 1924 Ft. Clock No. 8376 Depth 1934 Ft. Clock No. 9727
Top Make Kuster Cap. 3150 No. 1562 Inside Outside Bottom Make Kuster Cap. 3200 No. 1561 Inside Outside
Below Straddle: Depth ____ Rec. No. ____ Clock No. ____ Inside Outside Depth ____ Ft. Rec. No. ____ Clock No. ____ Inside Outside

Time Set Packer 10:46 AM
Tool Open I.F.P. From 10:50 A M. to 11:20 A M. ____ Hr. 30 Min. From (B) Surface P.S.I. To (C) P/A P.S.I.
Tool Closed I.C.I.P. From 11:20 A M. to 11:50 A M. ____ Hr. 30 Min. (D) 706 701 P.S.I.
Tool Open F.F.P. From 11:50 A M. to 12:20 P M. ____ Hr. 30 Min. From (E) P/A P.S.I. To (F) P/A P.S.I.
Tool Closed F.C.I.P. From 12:20 P M. to 12:50 P M. ____ Hr. 30 Min. (G) 706 701 P.S.I.
Initial Hydrostatic Pressure (A) 1011 P.S.I. Final Hydrostatic Pressure (H) 1005 P.S.I. Maximum Temp. 88

INFORMATION

BLOW Weak building to fair on I.F.P. Very strong on F.F.P. No apparent gas to surface

Did Well Flow ____ Yes X No Recovery Total Ft. 63 ft. Dsly. Mud

Reversed Out ____ Yes X No Mud Type Starch Viscosity 43 Weight 9.4 Water Loss ____ cc. Chlorides 53,000
EXTRA EQUIPMENT: Type Circ. Sub. Perf Safety Joint ____ Jars: Size ____ In. Make ____ Ser. No. ____
Dual Packers No Did Packers Hold? Yes Did Tool Plug? Yes Where? Tool
DRILLING CONTRACTOR Triangle #2 Length Drill Pipe 1849 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH 90
Length Weight Pipe ____ ft. I.D. Weight Pipe ____ In. Tool Joint Size ____ In. Length Drill Collars 63 ft. I.D. Drill Collars 2 1/4 In.
Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 26 ft.

Remarks Misrun - Partially plugged tool
Slid tool 3' to bottom
Shut in Pressures appear to be conclusive
Chart # 1561 Left to operate

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

INVOICE SECTION

Open Hole Test	$ ____
Straddle Test	$ ____
Jars	$ ____
Selective Zone	$ ____
Safety Joint	$ ____ 00
Misrun	$ 175
Evaluation	$ ____
Packer	$ ____
Circ. Sub.	$ ____
	$ ____
Total	$ 175 00

Test Approved By Wiley R. Ash Jr. Western Representative Tim Wilson
Signature of Customer or his Authorized Representative Operator's Time 10 Hrs.

WESTERN TESTING CO., INC.
Pressure Data

Date 9-25-77 Test Ticket No. 22612

Recorder No. [redacted] 1562 Capacity 3150 Location 1924 Ft.

Clock No. 8376 [redacted] Elevation 1323 Kelly Bushing Well Temperature 88 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1019 P.S.I.	Open Tool	10:46A M.	
B First Initial Flow Pressure	Plugging Action P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	Plugging Action P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	701 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	Plugging Action P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	Plugging Action P.S.I.			
G Final Closed-in Pressure	701 P.S.I.			
H Final Hydrostatic Mud	1005 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point	Mins.	Press.
P 1	0	Plugging Action
P 2	5	
P 3	10	
P 4	15	
P 5	20	
P 6	25	
P 7	30	Plugging Action
P 8	35	
P 9	40	
P10	45	
P11	50	
P12	55	
P13	60	
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	Plugging Action
3	658
6	676
9	684
12	690
15	693
18	696
21	697
24	699
27	700
30	701
33	
36	
39	
42	
45	
48	
51	
54	
57	
60	

Second Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	Plugging Action
5	
10	
15	
20	
25	
30	Plugging Action
35	
40	
45	
50	
55	
60	
65	
70	
75	
80	
85	
90	

Final Shut-In
Breakdown: 6 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	Plugging Action
3	643
6	674
9	688
12	693
15	696
18	699
21	700
24	700
27	701
30	701
33	
36	
39	
42	
45	
48	
51	
54	
57	
60	

WTC - 4

Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Wiley Ash Jr. Lease & Well No. Stewart #1

Elevation 1323 Kelly Bush. Formation Howard Effective Pay - Ft. Ticket No. 22612

Date 9-25-77 Sec. 34 Twp. 30S Range 2W County Sumner State Kansas

Test Approved by Wiley R. Ash Jr. Western Representative Tim Wilson

Formation Test No. 1 O.K. - Misrun X Interval Tested From 1931 to 1938 Total Depth 1938

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

Top Packer Depth 1938 Ft. Size 6 3/4 Bottom Packer Depth - Ft. Size -

Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -

Tool Size 5½OD Tool Joint Size 4½FH Anchor Length 7 Ft. Size 5½OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 1924 Ft. Clock No. 8376 Depth 1934 Ft. Clock No. 9727

Top Make Kuster Cap. 3150 No. 1562 ~~Inside~~ ~~Outside~~ Bottom Make Kuster Cap. 3200 No. 1561 ~~Inside~~ Outside

Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 10:46A M

Tool Open I.F.P. From 10:50A M. to 11:20A M. - Hr. 30 Min. From (B) Plugging Action P.S.I. To (C) Plugging Action P.S.I.

Tool Closed I.C.I.P. From 11:20 M. to 11:50 M. - Hr. 30 Min (D) 701 P.S.I.

Tool Open F.F.P. From 11:50 M. to 12:20PM - Hr. 30 Min. From (E) Plugging Action P.S.I. To (F) Plugging Action P.S.I.

Tool Closed F.C.I.P. From 12:20 M. to 12:50PM - Hr. 30 Min. (G) 701 P.S.I.

Initial Hydrostatic Pressure (A) 1019 P.S.I. Final Hydrostatic Pressure (H) 1005 P.S.I. Maximum Temp. 88

INFORMATION

BLOW Weak blow, building to fair blow on initial flow period. Very strong blow on final flow period. No apparent gas to surface.

Did Well Flow - Yes X No Recovery Total Ft. 63' drilling mud.

Reversed Out - Yes X No Mud Type Starch Viscosity 43 Weight 9.4 Water Loss - cc. Chlorides 53,000 p.p.m.

EXTRA EQUIPMENT: Type Circ. Sub Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer No Did Packers Hold? Yes Did Tool Plug? Yes Where? tool

DRILLING CONTRACTOR Triangle #2 Length Drill Pipe? 1849 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½H-90 In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 63 Ft. I.D. Drill Collars 2¼ In.

Tool Joint Size 4½XH In. Length D.S.T. Tool 26 Ft.

Remarks: Misrun, partially plugged tool. Slid tool 3' to bottom. Shut in pressures appear to be conclusive. Chart #1561 left with operator.

WESTERN TESTING CO., INC.

Pressure Data

Date 9-25-77 Test Ticket No. 22612

Recorder No. 1562 Capacity 3150 Location 1924 Ft.

Clock No. 8376 Elevation 1323 Kelly Bushing Well Temperature 88 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1019	P.S.I.
B	First Initial Flow Pressure	Plugging Action	P.S.I.
C	First Final Flow Pressure	Plugging Action	P.S.I.
D	Initial Closed-in Pressure	701	P.S.I.
E	Second Initial Flow Pressure	Plugging Action	P.S.I.
F	Second Final Flow Pressure	Plugging Action	P.S.I.
G	Final Closed-in Pressure	701	P.S.I.
H	Final Hydrostatic Mud	1005	P.S.I.

	Time Given	Time Computed
Open Tool	10:46A. M	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	30 Mins.	30 Mins.
Second Flow Pressure	30 Mins.	30 Mins.
Final Closed-in Pressure	30 Mins.	30 Mins.

PRESSURE BREAKDOWN

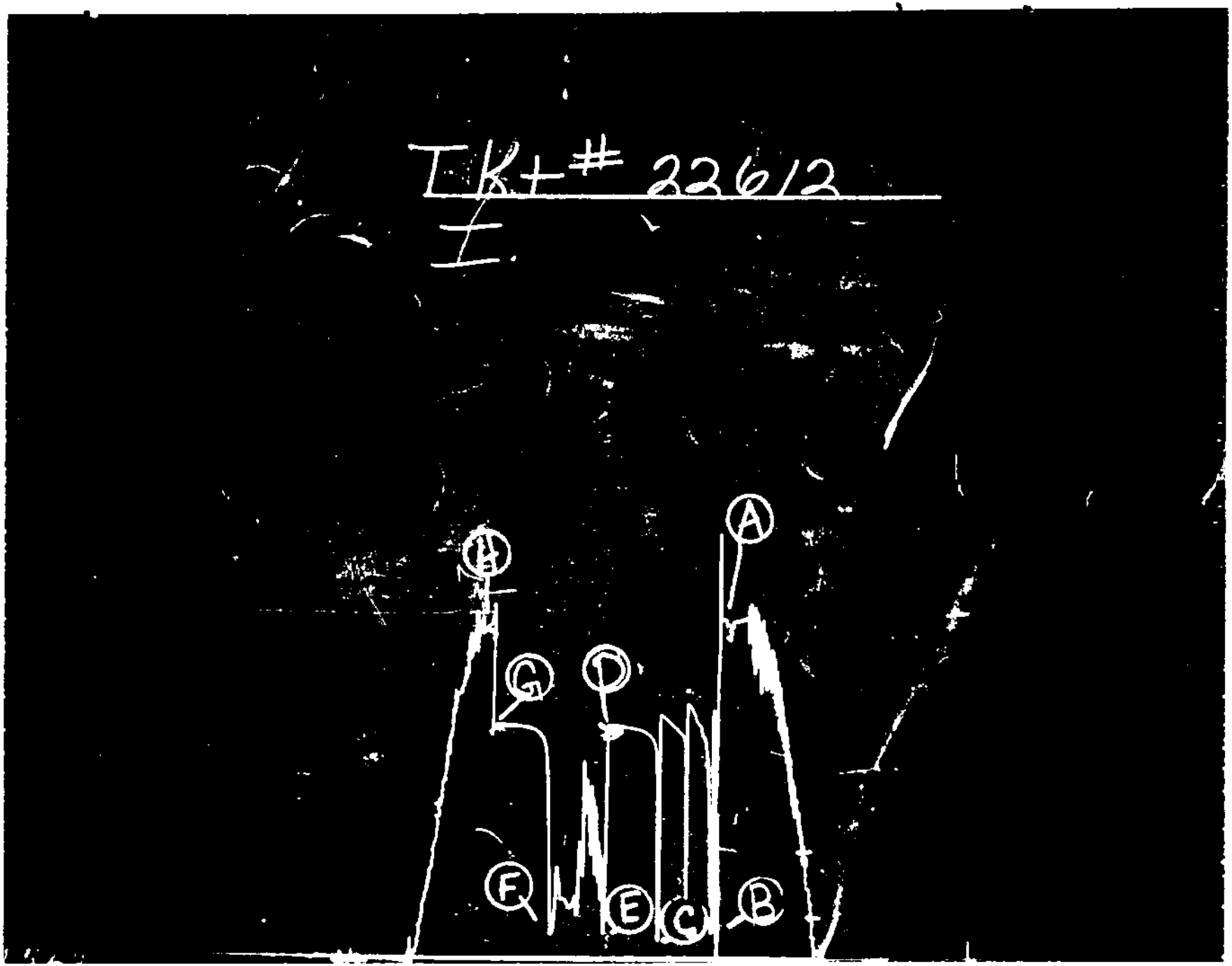
First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point	Mins.	Press.	Point	Minutes	Press.	Point	Minutes	Press.	Point	Minutes	Press.
P 1	0	Plugging Action		0	Plugging Action		0	Plugging Action		0	Plugging Action
P 2	5	Plugging Action		3	658		5	Plugging Action		3	643
P 3	10	Plugging Action		6	676		10	Plugging Action		6	674
P 4	15	Plugging Action		9	684		15	Plugging Action		9	688
P 5	20	Plugging Action		12	690		20	Plugging Action		12	693
P 6	25	Plugging Action		15	693		25	Plugging Action		15	696
P 7	30	Plugging Action		18	696		30	Plugging Action		18	699
P 8				21	697					21	700
P 9				24	699					24	700
P10				27	700					27	701
P11				30	701					30	701
P12											
P13											
P14											
P15											
P16											
P17											
P18											
P19											
P20											


TK+# 22612
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