WESTERN TESTERS

P. O. BOX 1599
WICHITA, KANSAS 67201

Company A.L. Abercrombie, Inc. Lease & Well No. Rogers #1

Elevation 2805 Kelly Bush. Formation Lansing Effective Pay Ft. Ticket No. 20818

Date 12-15-74 Sec. 36 Twp. 2S Range 30W County Decatur State Kansas

Test Approved by Jerry A. Langrehr Western Representative Kenneth Cheney

Formation Test No. 1 O.K. X Misrun - Interval Tested From 3790' to 3840' Total Depth 3840'

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

Top Packer Depth 3785 Ft. Size 6 3/4 Bottom Packer Depth 3790 Ft. Size 6 3/4

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

Tool Size 5 1/20D Tool Joint Size 4 1/2FH Anchor Length 50 Ft. Size 5 1/20D Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3832 Ft. Clock No. 6774 Depth 3834 Ft. Clock No. 10874

Top Make Kuster Cap. 4150 No. 2606 Inside ~~Outside~~ Bottom Make Kuster Cap. 4150 No. 1567 ~~Inside~~ Outside

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

Time Set Packer 8:29 P M

Tool Open I.F.P. From 8:30 P M. to 8:45P M. - Hr. 15 Min. From (B) 58 P.S.I. To (C) 48 P.S.I.

Tool Closed I.C.I.P. From 8:45P M. to 9:15P M. - Hr. 30 Min (D) 842 P.S.I.

Tool Open F.F.P. From 9:15P M. to 10:15P M. 1 Hr. 00 Min. From (E) 62 P.S.I. To (F) 66 P.S.I.

Tool Closed F.C.I.P. From 10:15P M. to 10:45P M. - Hr. 30 Min. (G) 483 P.S.I.

Initial Hydrostatic Pressure (A) 2026 P.S.I. Final Hydrostatic Pressure (H) 1922 P.S.I. Maximum Temp. 101

INFORMATION

BLOW Weak for 30 minutes

Did Well Flow - Yes X No Recovery Total Ft. 30' oil cut mud

Reversed Out - Yes X No Mud Type chem. Viscosity 45 Weight 9.9 Water Loss 10.4 cc. Chlorides 1,300 PPM

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

Dual Packer yes Did Packers Hold? yes Did Tool Plug? no Where? -

DRILLING CONTRACTOR Company Tools Length Drill Pipe? 2563 Ft. I.D. Drill Pipe 3.5 In. Tool Joint Size 4 1/2 In.

Length Weight Pipe 1207 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4 In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 70 Ft.

Remarks:

FORM WTC 3

WESTERN TESTING CO., INC.
Pressure Data

Date 12-15-74 Test Ticket No. 20818

Recorder No. 2606 Capacity 4150 Location 3832 Ft.

Clock No. 6774 Elevation 2805 Kelly Bush. Well Temperature 101 °F

Point		Pressure	
A	Initial Hydrostatic Mud	2026	P.S.I.
B	First Initial Flow Pressure	58	P.S.I.
C	First Final Flow Pressure	48	P.S.I.
D	Initial Closed-in Pressure	842	P.S.I.
E	Second Initial Flow Pressure	62	P.S.I.
F	Second Final Flow Pressure	66	P.S.I.
G	Final Closed-in Pressure	483	P.S.I.
H	Final Hydrostatic Mud	1922	P.S.I.

	Time Given		Time Computed	
Open Tool	8:29P	M		
First Flow Pressure	15	Mins.	15	Mins.
Initial Closed-in Pressure	30	Mins.	33	Mins.
Second Flow Pressure	60	Mins.	60	Mins.
Final Closed-in Pressure	30	Mins.	30	Mins.

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 3 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point	Mins.	Press.
P 1	0	58
P 2	5	48
P 3	10	48
P 4	15	48
P 5	20	
P 6	25	
P 7	30	
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 11 Inc.
of 3 mins. and a
final inc. of 0 Min.

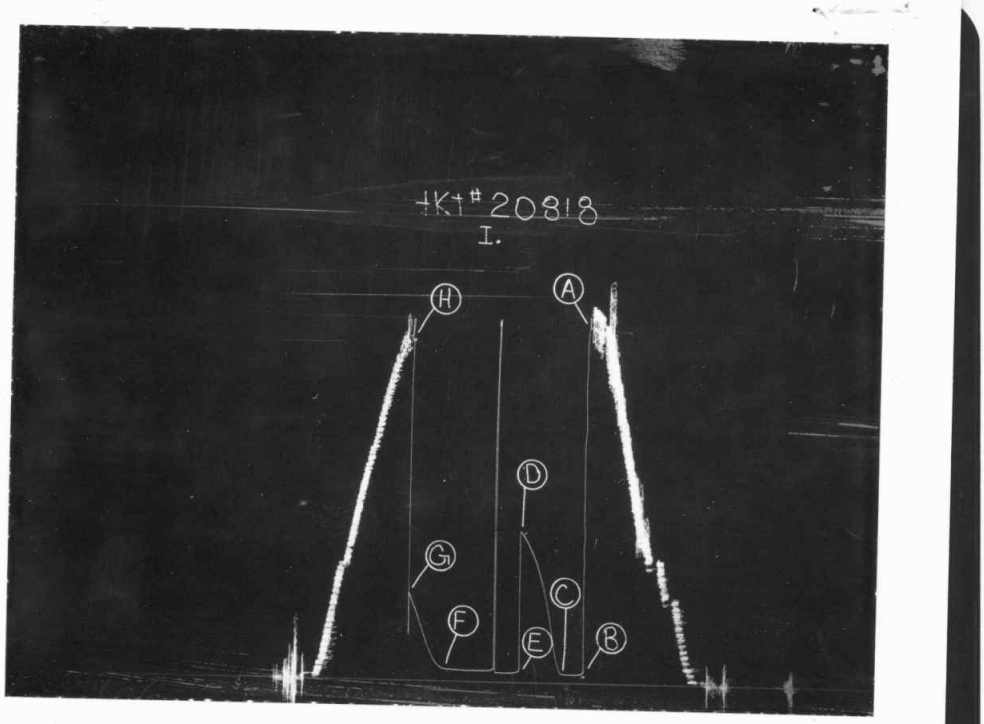
Point Minutes	Press.
0	48
3	102
6	220
9	243
12	460
15	548
18	624
21	684
24	736
27	771
30	814
33	842

Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	62
5	50
10	50
15	50
20	50
25	58
30	58
35	58
40	58
45	60
50	62
55	64
60	66

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

Point Minutes	Press.
0	66
3	67
6	77
9	96
12	129
15	175
18	233
21	289
24	347
27	412
30	483
33	
36	
39	
42	
45	



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1978	2026	PSI
(B)	First Initial Flow Pressure	52	58	PSI
(C)	First Final Flow Pressure	52	48	PSI
(D)	Initial Closed-in Pressure	841	842	PSI
(E)	Second Initial Flow Pressure	52	62	PSI
(F)	Second Final Flow Pressure	63	66	PSI
(G)	Final Closed-in Pressure	479	483	PSI
(H)	Final Hydrostatic Mud	1968	1922	PSI

COMPANY A.L.Abercrombie, Incorporated LEASE AND WELL NO. Rogers #1 SEC. 36 TWP. 2S RGE. 30W TEST NO. 1 DATE 12-15-74

WESTERN TESTERS

P. O. BOX 1599
WICHITA, KANSAS 67201

Company A.L. Abercrombie, Inc. Lease & Well No. Rogers #1

Elevation 2805 Kelly Bush. Formation Lansing Effective Pay 6 Ft. Ticket No. 20819

Date 12-16-74 Sec. 36 Twp. 2S Range 30W County Decatur State Kansas

Test Approved by Jerry A. Langrehr Western Representative Kenneth Cheney

Formation Test No. 2 O.K. X Misrun - Interval Tested From 3844' to 3880' Total Depth 3880'

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

Top Packer Depth 3839 Ft. Size 6 3/4 Bottom Packer Depth 3844 Ft. Size 6 3/4

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

Tool Size 5 1/20D Tool Joint Size 4 1/2FH Anchor Length 36 Ft. Size 5 1/20D Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3872 Ft. Clock No. 6774 Depth 3874 Ft. Clock No. 10874

Top Make Kuster Cap. 4150 No. 2606 Inside Outside Bottom Make Kuster Cap. 4150 No. 1567 Inside Outside

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

Time Set Packer 10:44 A M

Tool Open I.F.P. From 10:45A M. to 11:00A M. - Hr. 15 Min. From (B) 52 P.S.I. To (C) 94 P.S.I.

Tool Closed I.C.I.P. From 11:00 M. to 11:30A M. - Hr. 30 Min (D) 339 P.S.I.

Tool Open F.F.P. From 11:30 M. to 12:30P M. 1 Hr. 00 Min. From (E) 129 P.S.I. To (F) 189 P.S.I.

Tool Closed F.C.I.P. From 12:30 M. to 1:00P M. - Hr. 30 Min. (G) 310 P.S.I.

Initial Hydrostatic Pressure (A) 2042 P.S.I. Final Hydrostatic Pressure (H) 2013 P.S.I. Maximum Temp. 103

INFORMATION

BLOW Good to strong

Did Well Flow - Yes X No Recovery Total Ft. 441' Gas in pipe (440 fluid)
180' clean oil; 260 muddy oil

Reversed Out - Yes X No Mud Type chem. Viscosity 45 Weight 9.9 Water Loss 10.0 cc. Chlorides 1300 PPM

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

Dual Packer yes Did Packers Hold? yes Did Tool Plug? no Where? -

DRILLING CONTRACTOR Company Tools Length Drill Pipe? 2617 Ft. I.D. Drill Pipe 3.5 In. Tool Joint Size 4 1/2 In.

Length Weight Pipe 1207 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4 In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 56 Ft.

Remarks:

FORM WTC-3

WESTERN TESTING CO., INC.
Pressure Data

Date 12-16-74 Test Ticket No. 20819

Recorder No. 2606 Capacity 4150 Location 3872 Ft.

Clock No. 6774 Elevation 2805 Kelly Bush. Well Temperature 103 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2042 P.S.I.	Open Tool	10:44A M	
B	First Initial Flow Pressure	52 P.S.I.	First Flow Pressure	15 Mins.	15 Mins.
C	First Final Flow Pressure	94 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	339 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	129 P.S.I.	Final Closed-in Pressure	30 Mins.	27 Mins.
F	Second Final Flow Pressure	189 P.S.I.			
G	Final Closed-in Pressure	310 P.S.I.			
H	Final Hydrostatic Mud	2013 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 3 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	52
P 2 5	58
P 3 10	79
P 4 15	94
P 5 20	
P 6 25	
P 7 30	
P 8	
P 9	
P10	
P11	
P12	
P13	
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	94
3	162
6	193
9	215
12	235
15	256
18	272
21	289
24	306
27	320
30	339

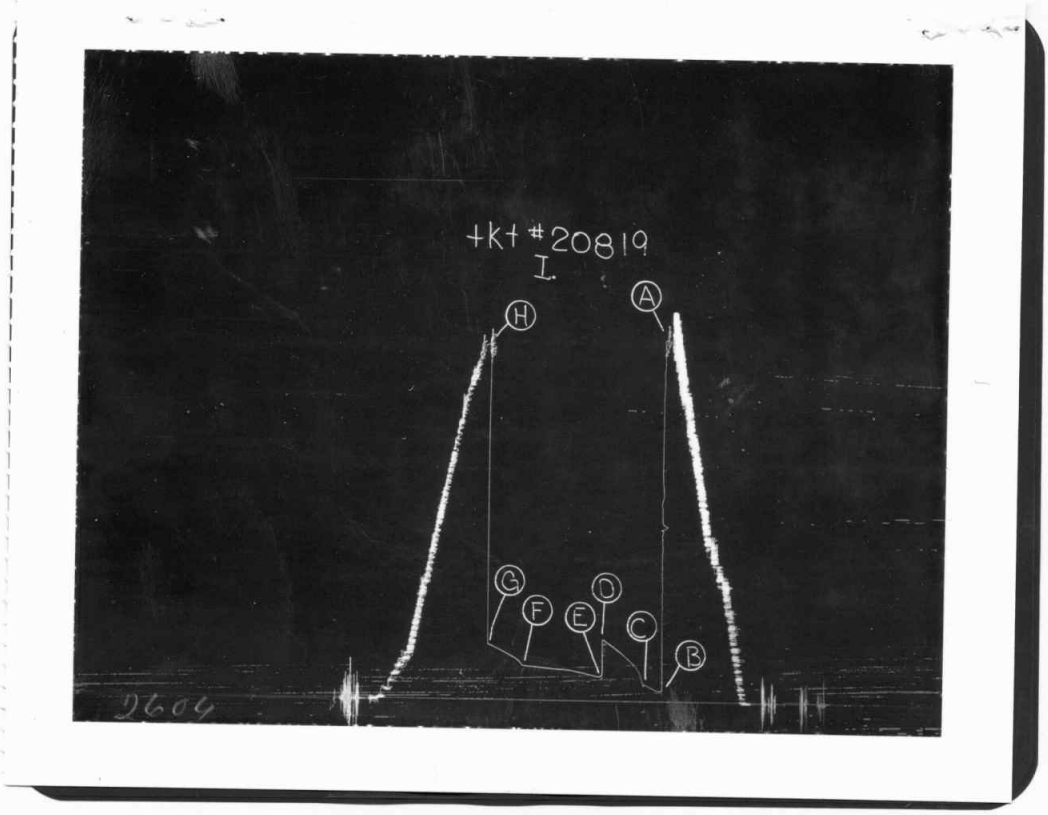
Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	129
5	135
10	146
15	154
20	160
25	166
30	171
35	173
40	177
45	179
50	183
55	185
60	189

Final Shut-In
Breakdown: 9 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	189
3	218
6	235
9	248
12	258
15	263
18	281
21	291
24	302
27	310
30	
33	
36	
39	
42	
45	

COMPANY A.L.Abercrombie,Incorporated LEASE AND WELL NO. Rogers #1 SEC. 36 TWP. 2S RGE. 30W TEST NO. 2 DATE 12-16-74



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2031	2042	PSI
(B)	First Initial Flow Pressure	52	52	PSI
(C)	First Final Flow Pressure	104	94	PSI
(D)	Initial Closed-in Pressure	343	339	PSI
(E)	Second Initial Flow Pressure	135	129	PSI
(F)	Second Final Flow Pressure	187	189	PSI
(G)	Final Closed-in Pressure	312	310	PSI
(H)	Final Hydrostatic Mud	2020	2013	PSI

P. O. BOX 1599
WICHITA, KANSAS 67201

Company A.L. Abercrombie, Inc. Lease & Well No. Rogers #1

Elevation 2805 Kelly Bush Formation Kansas City Effective Pay 10 Ft. Ticket No. 20820

Date 12-17-74 Sec. 36 Twp. 2S Range 30W County Decatur State Kansas

Test Approved by Jerry Langrehr Western Representative Kenneth Cheney

Formation Test No. 3 O.K. X Misrun - Interval Tested From 3892' to 3951' Total Depth 3951'

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

Top Packer Depth 3887 Ft. Size 6 3/4 Bottom Packer Depth 3892 Ft. Size 6 3/4

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

Tool Size 5½ O.D. Tool Joint Size 4½ F.H. Anchor Length 59 Ft. Size 5½ O.D. Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3943 Ft. Clock No. 6774 Depth 3945 Ft. Clock No. 10874

Top Make Kuster Cap. 4150 No. 2606 ~~Outside~~ Inside Bottom Make Kuster Cap. 4150 No. 1567 ~~Inside~~ Outside

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

Time Set Packer 2:49 A. M

Tool Open I.F.P. From 2:50 A M. to 3:05 A M. - Hr. 15 Min. From (B) 69 P.S.I. To (C) 85 P.S.I.

Tool Closed I.C.I.P. From 3:05A M. to 3:50 A M. - Hr. 45 Min (D) 956 P.S.I.

Tool Open F.F.P. From 3:50A M. to 5:05 A M. 1 Hr. 15 Min. From (E) 102 P.S.I. To (F) 131 P.S.I.

Tool Closed F.C.I.P. From 5:05 M. to 5:50 A M. - Hr. 45 Min. (G) 477 P.S.I.

Initial Hydrostatic Pressure (A) 2123 P.S.I. Final Hydrostatic Pressure (H) 2098 P.S.I. Maximum Temp. 108

INFORMATION

BLOW Good to weak, died in 35 minutes

Did Well Flow - Yes X No Recovery Total Ft. 150' mud

Reversed Out - Yes X No Mud Type Chem Viscosity 62 Weight 10.0 Water Loss 9.6 cc. Chlorides 1600 P.P.M.

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

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

DRILLING CONTRACTOR Abercombie Drlg. Inc. Length Drill Pipe? 2665 Ft. I.D. Drill Pipe 3.5 In. Tool Joint Size 4½ In.

Length Weight Pipe 1207 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4½ In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 79 Ft.

Remarks:

FORM WTC-3

WESTERN TESTING CO., INC.
Pressure Data

Date 12-17-74 Test Ticket No. 20820

Recorder No. 2606 Capacity 4150 Location 3943 Ft.

Clock No. 6774 Elevation 2805 Kelly Bushing Well Temperature 108 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2123 P.S.I.		Open Tool	2:49 A. M	
B	First Initial Flow Pressure	69 P.S.I.		First Flow Pressure	15 Mins.	15 Mins.
C	First Final Flow Pressure	85 P.S.I.		Initial Closed-in Pressure	45 Mins.	48 Mins.
D	Initial Closed-in Pressure	956 P.S.I.		Second Flow Pressure	75 Mins.	75 Mins.
E	Second Initial Flow Pressure	102 P.S.I.		Final Closed-in Pressure	45 Mins.	42 Mins.
F	Second Final Flow Pressure	131 P.S.I.				
G	Final Closed-in Pressure	477 P.S.I.				
H	Final Hydrostatic Mud	2098 P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 3 Inc. of 5 mins. and a final inc. of 0 Min.

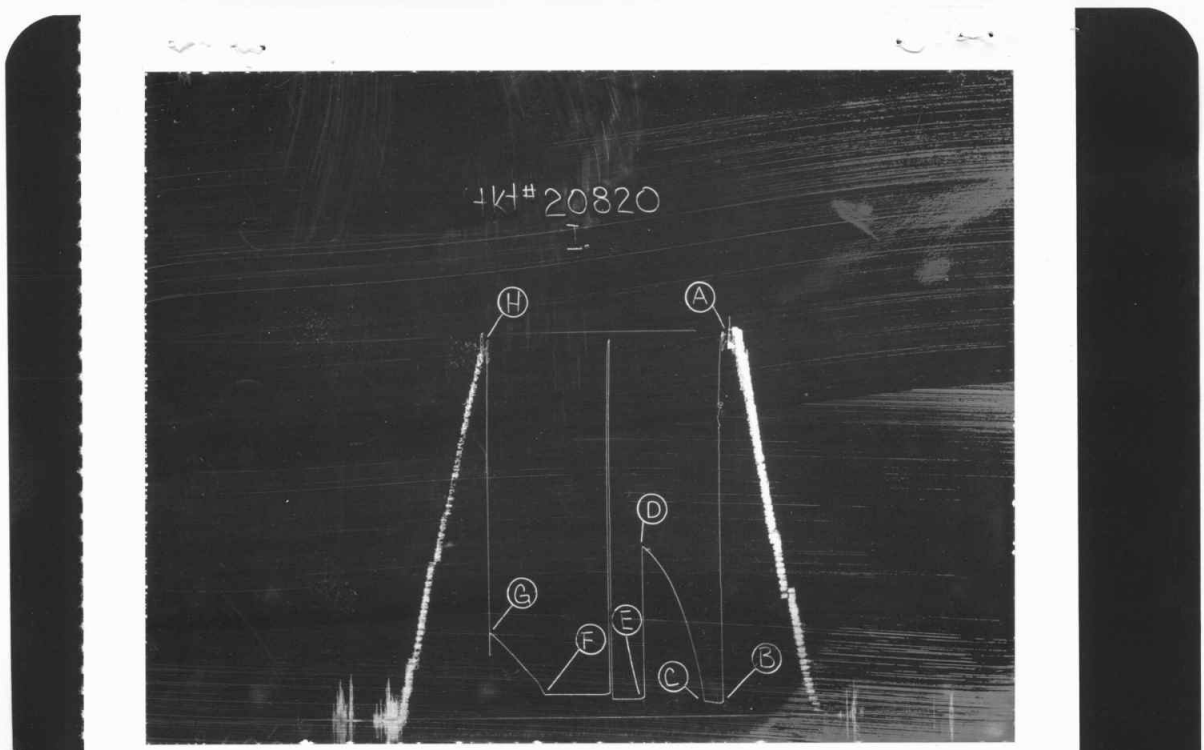
Initial Shut-In
Breakdown: 16 Inc. of 3 mins. and a final inc. of 0 Min.

Second Flow Pressure
Breakdown: 15 Inc. of 5 mins. and a final inc. of 0 Min.

Final Shut-In
Breakdown: 14 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	69	0	85	0	102	0	131
P 2 5	73	3	214	5	102	3	164
P 3 10	81	6	308	10	102	6	220
P 4 15	85	9	387	15	102	9	225
P 5		12	464	20	129	12	245
P 6		15	535	25	129	15	270
P 7		18	595	30	129	18	297
P 8		21	655	35	129	21	322
P 9		24	705	40	129	24	347
P10		27	755	45	129	27	368
P11		30	794	50	129	30	393
P12		33	829	55	129	33	416
P13		36	861	60	130	36	437
P14		39	890	65	131	39	458
P15		42	914	70	131	42	477
P16		45	938	75	131		
P17		48	956				
P18							
P19							
P20							

COMPANY A.L. Abercrombie, Inc. LEASE AND WELL NO. Rogers #1 SEC. 36 TWP. 2S RGE. 30W TEST NO. 3 DATE 12-17-74



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2085	2123	PSI
(B)	First Initial Flow Pressure	72	69	PSI
(C)	First Final Flow Pressure	83	85	PSI
(D)	Initial Closed-in Pressure	935	956	PSI
(E)	Second Initial Flow Pressure	93	102	PSI
(F)	Second Final Flow Pressure	124	131	PSI
(G)	Final Closed-in Pressure	468	477	PSI
(H)	Final Hydrostatic Mud	2062	2098	PSI

WESTERN TESTERS

P. O. BOX 1599
WICHITA, KANSAS 67201

Company A.L. Abercrombie, Inc. Lease & Well No. Rogers #1

Elevation 2805 Kelly Bush. Formation Kansas City Effective Pay 3 Ft. Ticket No. 20821

Date 12-17-74 Sec. 36 Twp. 2S Range 30W County Decatur State Kansas

Test Approved by Jerry A. Langrehr Western Representative Kenneth Cheney

Formation Test No. 4 O.K. X Misrun - Interval Tested From 3962' to 4021' Total Depth 4021'

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

Top Packer Depth 3957 Ft. Size 6 3/4 Bottom Packer Depth 3962 Ft. Size 6 3/4

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

Tool Size 5 1/20D Tool Joint Size 4 1/2FH Anchor Length 59 Ft. Size 5 1/20D Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4013 Ft. Clock No. 6774 Depth 4015 Ft. Clock No. 10874

Top Make Kuster Cap. 4150 No. 2606 Inside Outside Bottom Make Kuster Cap. 4150 No. 1567 Inside Outside

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

Time Set Packer 10:49P M

Tool Open I.F.P. From 10:50P M. to 11:10P M. - Hr. 20 Min. From (B) 69 P.S.I. To (C) 125 P.S.I.

Tool Closed I.C.I.P. From 11:10 M. to 11:55P M. - Hr. 45 Min (D) 1271 P.S.I.

Tool Open F.F.P. From 11:55P M. to 12:55 M. - Hr. 60 Min. From (E) 154 P.S.I. To (F) 283 P.S.I.

Tool Closed F.C.I.P. From 12:55 M. to 1:40 M. - Hr. 45 Min. (G) 1101 P.S.I.

Initial Hydrostatic Pressure (A) 2153 P.S.I. Final Hydrostatic Pressure (H) 2111 P.S.I. Maximum Temp. 116

INFORMATION

BLOW Good throughout test

Did Well Flow - Yes X No Recovery Total Ft. 380' mud with oil spots
120' thin watery mud

Reversed Out - Yes X No Mud Type chem. Viscosity 42 Weight 9.9 Water Loss 10.0 cc. Chlorides 1500 PPM

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

Dual Packer yes Did Packers Hold? yes Did Tool Plug? no Where? -

DRILLING CONTRACTOR Abercrombie Drilling Co. Length Drill Pipe 2739 Ft. I.D. Drill Pipe 3.5 In. Tool Joint Size 4 1/2 In.

Length Weight Pipe 1207 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4 In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 79 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 12-17-74 Test Ticket No. 20821

Recorder No. 2606 Capacity 4150 Location 4013 Ft.

Clock No. 6774 Elevation 2805 Kelly Bush. Well Temperature 116 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2153 P.S.I.	Open Tool	10:49 P M	
B First Initial Flow Pressure	69 P.S.I.	First Flow Pressure	20 Mins.	20 Mins.
C First Final Flow Pressure	125 P.S.I.	Initial Closed-in Pressure	45 Mins.	51 Mins.
D Initial Closed-in Pressure	1271 P.S.I.	Second Flow Pressure	60 Mins.	55 Mins.
E Second Initial Flow Pressure	154 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F Second Final Flow Pressure	283 P.S.I.			
G Final Closed-in Pressure	1101 P.S.I.			
H Final Hydrostatic Mud	2111 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 4 Inc.
of 5 mins. and a
final inc. of 0 Min.

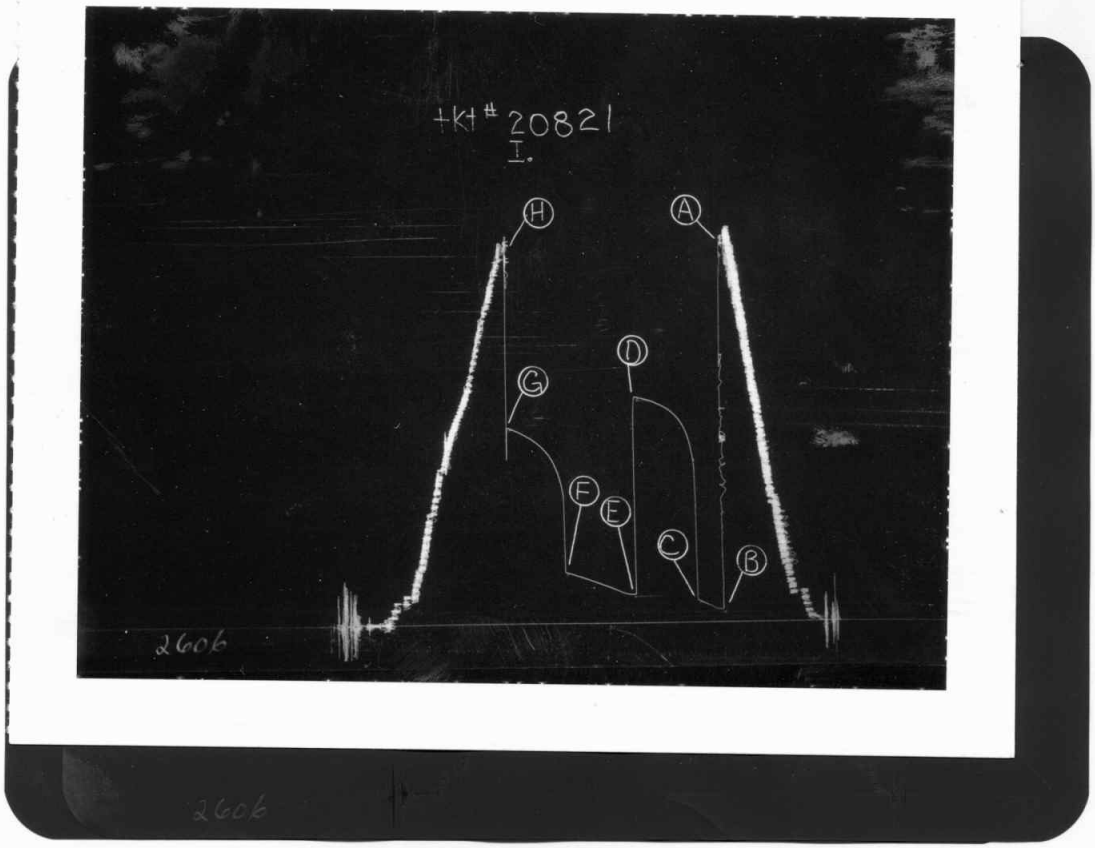
Initial Shut-In
Breakdown: 17 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 11 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 15 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	69		0	125		0	154		0	283
P 2	5	75		3	583		5	158		3	782
P 3	10	94		6	906		10	166		6	856
P 4	15	108		9	1019		15	183		9	906
P 5	20	125		12	1075		20	197		12	944
P 6	25			15	1122		25	210		15	969
P 7	30			18	1149		30	223		18	992
P 8				21	1172		35	235		21	1010
P 9				24	1195		40	250		24	1029
P10				27	1209		45	262		27	1041
P11				30	1221		50	272		30	1054
P12				33	1230		55	283		33	1066
P13				36	1242					36	1077
P14				39	1248					39	1087
P15				42	1254					42	1095
P16				45	1263					45	1101
P17				48	1267						
P18				51	1271						
P19											
P20											

COMPANY A.L. Abercrombie, Inc. LEASE AND WELL NO. Rogers #1 SEC. 36 TWP. 2S RGE. 30W TEST NO. 4 DATE 12-17-74



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2125	2153	PSI
(B)	First Initial Flow Pressure	72	69	PSI
(C)	First Final Flow Pressure	124	125	PSI
(D)	Initial Closed-in Pressure	1267	1271	PSI
(E)	Second Initial Flow Pressure	156	154	PSI
(F)	Second Final Flow Pressure	176	283	PSI
(G)	Final Closed-in Pressure	1101	1101	PSI
(H)	Final Hydrostatic Mud	2115	2111	PSI