Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Abercrombie Drilling Inc. Lease & Well No. Seifried #1

Elevation 2687 Kelly Bushings Formation Kansas City 80' Effective Pay Ft. Ticket No. 20450

Date 5-5-74 Sec. 25 Twp. 18S Range 28W County Lane State Kansas

Test Approved by Harold Steincamp Western Representative Dennis Sporing

Formation Test No. 1 O.K. X Misrun Interval Tested From 4010' to 4034' Total Depth 4052'

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 4010 Ft. Size 6 3/4" Bottom Packer Depth 4034 Ft. Size 6 3/4"

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

Tool Size 5½"O.D. Tool Joint Size 4½"FH Anchor Length 24 Ft. Size 5½"O.D. Surface Choke Size 3/8 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4017 Ft. Clock No. 6896 Depth 4020 Ft. Clock No. 4964

Top Make Kuster Cap. 4500 No. 3086 Inside Outside Bottom Make Kuster Cap. 4200 No. 1558 Inside Outside

Below Straddle: Depth 4050 Rec. No. 21 Clock No. 110 Inside Outside Depth 4051 Ft. Rec. No. 22 Clock No. 112 Inside Outside

Time Set Packer 10:12 P. M

Tool Open I.F.P. From 10:15 M. to 10:30P M. Hr. 15 Min. From (B) 0 P.S.I. To (C) 9 P.S.I.

Tool Closed I.C.I.P. From 10:30 M. to 11:15P M. Hr. 45 Min (D) 1195 P.S.I.

Tool Open F.F.P. From 11:15 M. to 12:15A M. Hr. 60 Min. From (E) 47 P.S.I. To (F) 118 P.S.I.

Tool Closed F.C.I.P. From 12:15 M. to 1:00A M. Hr. 45 Min. (G) 1172 P.S.I.

Initial Hydrostatic Pressure (A) 2027 P.S.I. Final Hydrostatic Pressure (H) 2009 P.S.I. Maximum Temp. 122

INFORMATION

BLOW Weak increasing to fair

Did Well Flow Yes X No Recovery Total Ft. 120 feet muddy water 30 feet gassy mud
100 feet mud 5 feet free oil (255 feet total fluid)

Reversed Out Yes X No Mud Type Starch Viscosity 44 Weight 9.4 Water Loss 12.2 cc. Chlorides

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

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

DRILLING CONTRACTOR Co. tools Length Drill Pipe? 2901 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH In.

Length Weight Pipe 1096 Ft. I.D. Weight Pipe 2.8 In. Tool Joint Size 4½XH In. Length Drill Collars Ft. I.D. Drill Collars In.

Tool Joint Size In. Length D.S.T. Tool 37 Ft. 18 feet tail pipe

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 5-5-74 Test Ticket No. 20450

Recorder No. 3086 Capacity 4500 Location 4017 Ft.

Clock No. 20450 Elevation 2687 Kelly Bushings Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2027 P.S.I.	Open Tool	10:12P. M	
B First Initial Flow Pressure	0 P.S.I.	First Flow Pressure	15 Mins.	15 Mins.
C First Final Flow Pressure	9 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	1195 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	47 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F Second Final Flow Pressure	118 P.S.I.			
G Final Closed-in Pressure	1172 P.S.I.			
H Final Hydrostatic Mud	2009 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	0
P 2 5	0
P 3 10	2
P 4 15	9
P 5	
P 6	
P 7	
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	9
3	928
6	1132
9	1162
12	1176
15	1182
18	1188
21	1190
24	1192
27	1193
30	1195

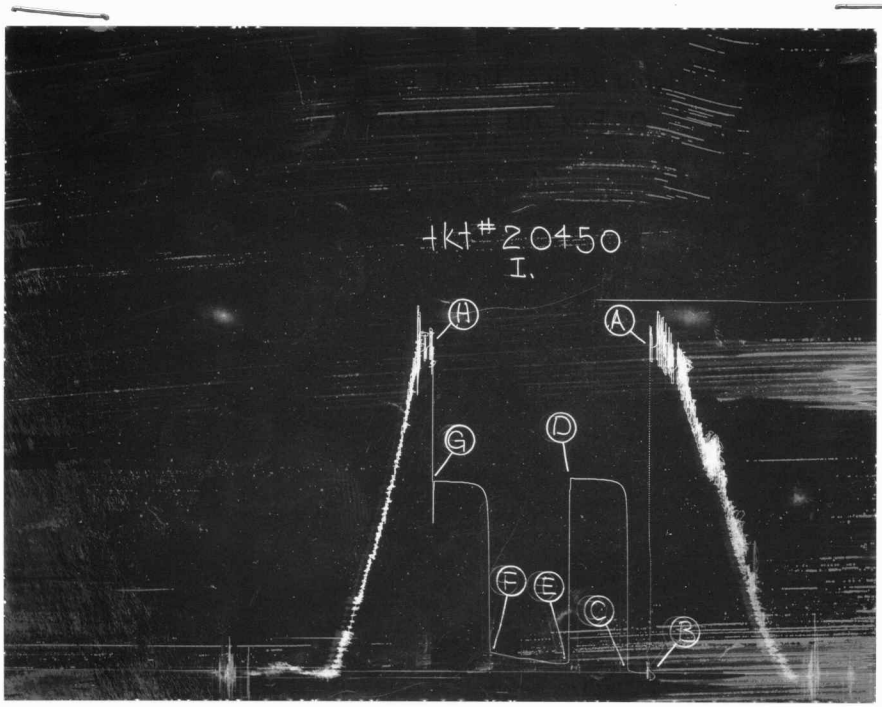
Second Flow Pressure
Breakdown: 12 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	47
5	47
10	50
15	57
20	62
25	71
30	78
35	81
40	85
45	95
50	102
55	111
60	118

Final Shut-In
Breakdown: 15 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	118
3	884
6	1104
9	1137
12	1151
15	1158
18	1162
21	1165
24	1167
27	1167
30	1167
33	1172
36	1172
39	1172
42	1172
45	1172

COMPANY Abercrombie Drilling Inc. LEASE AND WELL NO. Seifried #1 SEC. 25 TWP. 18S RGE. 28W TEST NO. 1 DATE 5-5-74



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2004	2027	PSI
(B)	First Initial Flow Pressure	0	0	PSI
(C)	First Final Flow Pressure	11	9	PSI
(D)	Initial Closed-in Pressure	1206	1195	PSI
(E)	Second Initial Flow Pressure	47	47	PSI
(F)	Second Final Flow Pressure	118	118	PSI
(G)	Final Closed-in Pressure	1171	1172	PSI
(H)	Final Hydrostatic Mud	1993	2009	PSI

Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Abercrombie Drilling Inc. Lease & Well No. Seifried #1

Elevation 2687 Kelly Bushings Formation Kansas City Effective Pay Ft. Ticket No. 20476

Date 5-6-74 Sec. 25 Twp. 18S Range 28W County Lane State Kansas

Test Approved by Harold Steincamp Western Representative Dennis Sporing

Formation Test No. 2 O.K. X Misrun Interval Tested From 4184' to 4200' Total Depth 4200'

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 4179 Ft. Size 6 3/4" Bottom Packer Depth 4184 Ft. Size 6 3/4"

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

Tool Size 5½"O.D. Tool Joint Size 4½"F.H. Anchor Length 16 Ft. Size 5½"O.D. Surface Choke Size 3/8 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4193 Ft. Clock No. 6896 Depth 4196 Ft. Clock No. 4964

Top Make Kuster Cap. 4500 No. 3086 Inside Outside Bottom Make Kuster Cap. 4200 No. 1558 Inside Outside

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

Time Set Packer 10:12 P. M

Tool Open I.F.P. From 12:15 M. to 10:30P M. Hr. 15 Min. From (B) 29 P.S.I. To (C) 315 P.S.I.

Tool Closed I.C.I.P. From 10:30 M. to 11:15P M. Hr. 45 Min (D) 1229 P.S.I.

Tool Open F.F.P. From 11:15 M. to 12:15A M. Hr. 60 Min. From (E) 348 P.S.I. To (F) 832 P.S.I.

Tool Closed F.C.I.P. From 12:15 M. to 1:00A M. Hr. 45 Min. (G) 1218 P.S.I.

Initial Hydrostatic Pressure (A) 2130 P.S.I. Final Hydrostatic Pressure (H) 2100 P.S.I. Maximum Temp. 126

INFORMATION

BLOW Strong bottom of bucket

Did Well Flow Yes X No Recovery Total 1850 feet salt water

Reversed Out X Yes No Mud Type Starch Viscosity 46 Weight 9.4 Water Loss 16 cc. Chlorides

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

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

DRILLING CONTRACTOR Co. tools Length Drill Pipe? 3068 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH In.

Length Weight Pipe 1096 Ft. I.D. Weight Pipe 2.8 In. Tool Joint Size 4½XH In. Length Drill Collars Ft. I.D. Drill Collars In.

Tool Joint Size In. Length D.S.T. Tool 36 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 5-6-74 Test Ticket No. 20476

Recorder No. 3086 Capacity 4500 Location 4193 Ft.

Clock No. 6896 Elevation 2687 Kelly Bushings Well Temperature 126 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2130 P.S.I.	Open Tool	10:12 P. M.	
B First Initial Flow Pressure	29 P.S.I.	First Flow Pressure	15 Mins.	15 Mins.
C First Final Flow Pressure	315 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	1229 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	348 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F Second Final Flow Pressure	832 P.S.I.			
G Final Closed-in Pressure	1218 P.S.I.			
H Final Hydrostatic Mud	2100 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	29
P 2 5	125
P 3 10	229
P 4 15	315
P 5	
P 6	
P 7	
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 15 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	315
3	1174
6	1197
9	1208
12	1214
15	1218
18	1220
21	1222
24	1224
27	1224
30	1225
33	1226
36	1227
39	1228
42	1229
45	1229

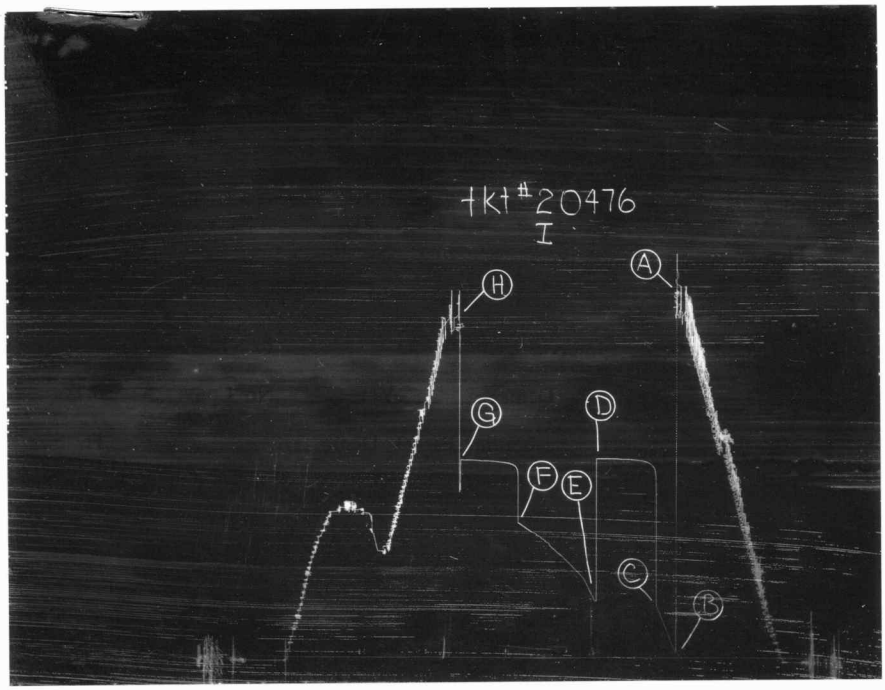
Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	348
5	414
10	492
15	535
20	578
25	618
30	651
35	690
40	729
45	755
50	779
55	808
60	832

Final Shut-In
Breakdown: 15 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	832
3	1174
6	1192
9	1200
12	1203
15	1206
18	1209
21	1211
24	1212
27	1213
30	1214
33	1218
36	1218
39	1218
42	1218
45	1218

COMPANY Abercrombie Drilling Inc. LEASE AND WELL NO. Seifried #1 SEC. 25 TWP. 18S RGE. 28W TEST NO. 2 DATE 5-6-74



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2155	2130	PSI
(B)	First Initial Flow Pressure	20	29	PSI
(C)	First Final Flow Pressure	319	315	PSI
(D)	Initial Closed-in Pressure	1229	1229	PSI
(E)	Second Initial Flow Pressure	355	348	PSI
(F)	Second Final Flow Pressure	834	832	PSI
(G)	Final Closed-in Pressure	1229	1218	PSI
(H)	Final Hydrostatic Mud	2119	2100	PSI

WESTERN TESTERS

Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Abercrombie Drilling Inc. Lease & Well No. Seifried #1

Elevation 2687 Kelly Bushings Formation Kansas City Effective Pay Ft. Ticket No. 20477

Date 5-7-74 Sec. 25 Twp. 18S Range 28W County Lane State Kansas

Test Approved by Harold Steincamp Western Representative Dennis Sporing

Formation Test No. 3 O.K. X Misrun Interval Tested From 4213' to 4240' Total Depth 4240'

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 4208 Ft. Size 6 3/4" Bottom Packer Depth 4213 Ft. Size 6 3/4"

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

Tool Size 5½"O.D. Tool Joint Size 4½"F.H. Anchor Length 27 Ft. Size 5½"O.D. Surface Choke Size 3/8 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4232 Ft. Clock No. 6896 Depth 4235 Ft. Clock No. 4964

Top Make Kuster Cap. 4500 No. 3086 Inside Outside Bottom Make Kuster Cap. 4200 No. 1558 Inside Outside

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

Time Set Packer 1:27 P.M.

Tool Open I.F.P. From 1:30 M. to 1:45P M. Hr. 15 Min. From (B) 97 P.S.I. To (C) 355 P.S.I.

Tool Closed I.C.I.P. From 1:45 M. to 2:30P M. Hr. 45 Min (D) 1239 P.S.I.

Tool Open F.F.P. From 2:30 M. to 3:30P M. Hr. 60 Min. From (E) 422 P.S.I. To (F) 795 P.S.I.

Tool Closed F.C.I.P. From 3:30 M. to 4:15P M. Hr. 45 Min. (G) 1213 P.S.I.

Initial Hydrostatic Pressure (A) 2190 P.S.I. Final Hydrostatic Pressure (H) 2147 P.S.I. Maximum Temp. 126

INFORMATION

BLOW Strong blow

Did Well Flow Yes X No Recovery Total Ft. 1818 feet gas in pipe 1380 feet free oil 410 feet froggy oil 420 feet salt water 26 gravity

Reversed Out Yes X No Mud Type Starch Viscosity 46 Weight 9.5 Water Loss 16 cc. Chlorides

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

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

DRILLING CONTRACTOR Co. tools Length Drill Pipe? 3097 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH In.

Length Weight Pipe 1096 Ft. I.D. Weight Pipe 2.8 In. Tool Joint Size 4½XH In. Length Drill Collars Ft. I.D. Drill Collars In.

Tool Joint Size In. Length D.S.T. Tool 47 Ft.

Remarks: Good job tester-H.S.

FORM WTC 3

WESTERN TESTING CO., INC.
Pressure Data

Date 5-7-74 Test Ticket No. 20477

Recorder No. 3086 Capacity 4500 Location 4232 Ft.

Clock No. 6896 Elevation 2687 Kelly Bushings Well Temperature 126 °F

Point		Pressure	
A	Initial Hydrostatic Mud	2190	P.S.I.
B	First Initial Flow Pressure	97	P.S.I.
C	First Final Flow Pressure	355	P.S.I.
D	Initial Closed-in Pressure	1239	P.S.I.
E	Second Initial Flow Pressure	422	P.S.I.
F	Second Final Flow Pressure	795	P.S.I.
G	Final Closed-in Pressure	1213	P.S.I.
H	Final Hydrostatic Mud	2147	P.S.I.

	Time Given	Time Computed
Open Tool	1:27 P.M	
First Flow Pressure	15 Mins.	15 Mins.
Initial Closed-in Pressure	45 Mins.	45 Mins.
Second Flow Pressure	60 Mins.	60 Mins.
Final Closed-in Pressure	45 Mins.	45 Mins.

PRESSURE BREAKDOWN

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

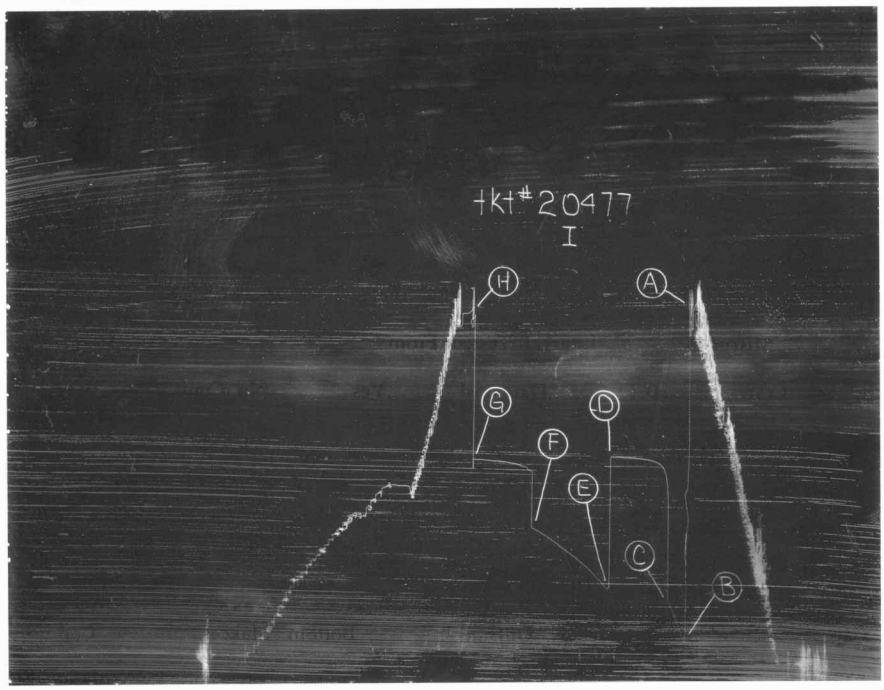
Initial Shut-In
Breakdown: 15 Inc. of 3 mins. and a final inc. of 0 Min.

Second Flow Pressure
Breakdown: 12 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	97		0	355		0	422		0	795
P 2	5	190		3	1109		5	457		3	1146
P 3	10	299		6	1181		10	500		6	1172
P 4	15	355		9	1202		15	539		9	1179
P 5				12	1213		20	577		12	1188
P 6				15	1220		25	611		15	1191
P 7				18	1225		30	642		18	1195
P 8				21	1230		35	669		21	1200
P 9				24	1232		40	700		24	1202
P10				27	1233		45	730		27	1204
P11				30	1234		50	753		30	1206
P12				33	1235		55	779		33	1209
P13				36	1236		60	795		36	1211
P14				39	1237					39	1211
P15				42	1238					42	1212
P16				45	1239					45	1213
P17											
P18											
P19											
P20											

COMPANY Abercrombie Drilling Inc. LEASE AND WELL NO. Seifried #1 SEC. 25 TWP. 18S RGE. 28W TEST NO. 3 DATE 5-7-74



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2164	2190	PSI
(B)	First Initial Flow Pressure	94	97	PSI
(C)	First Final Flow Pressure	367	355	PSI
(D)	Initial Closed-in Pressure	1241	1239	PSI
(E)	Second Initial Flow Pressure	426	422	PSI
(F)	Second Final Flow Pressure	811	795	PSI
(G)	Final Closed-in Pressure	1218	1213	PSI
(H)	Final Hydrostatic Mud	2119	2147	PSI

WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 (316) 793-7903

Company Abercrombie Drilling Inc. Lease & Well No. Seifried #1

Elevation 2687 Kelly Bushings Formation Kansas City Effective Pay Ft. Ticket No. 20478

Date 5-8-74 Sec. 25 Twp. 18S Range 28W County Lane State Kansas

Test Approved by Harold Steincamp Western Representative Dennis Sporing

Formation Test No. 4 O.K. X Misrun Interval Tested From 4242' to 4260' Total Depth 4260'

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 4237 Ft. Size 6 3/4" Bottom Packer Depth 4242 Ft. Size 6 3/4"

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

Tool Size 5½"O.D. Tool Joint Size 4½"F.H. Anchor Length 18 Ft. Size 5½"O.D. Surface Choke Size 3/8 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4252 Ft. Clock No. 6896 Depth 4255 Ft. Clock No. 4964

Top Make Kuster Cap. 4500 No. 3086 Inside Outside Bottom Make Kuster Cap. 4200 No. 1558 Inside Outside

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

Time Set Packer 7:27 A.M.

Tool Open I.F.P. From 7:30 M. to 7:45A. M. Hr. 15 Min. From (B) 47 P.S.I. To (C) 171 P.S.I.

Tool Closed I.C.I.P. From 7:45 M. to 8:30A. M. Hr. 45 Min (D) 1237 P.S.I.

Tool Open F.F.P. From 8:30 M. to 9:30A. M. Hr. 60 Min. From (E) 220 P.S.I. To (F) 526 P.S.I.

Tool Closed F.C.I.P. From 9:30 M. to 10:15A. M. Hr. 45 Min. (G) 1183 P.S.I.

Initial Hydrostatic Pressure (A) 2165 P.S.I. Final Hydrostatic Pressure (H) 2121 P.S.I. Maximum Temp. 126

INFORMATION

BLOW Strong bottom bucket

Did Well Flow Yes X No Recovery Total Ft. 2520 feet gas in pipe 1250 feet free oil 190 feet froggy oil

Reversed Out Yes X No Mud Type Starch Viscosity 68 Weight 9.5 Water Loss 14.2 cc. Chlorides

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

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

DRILLING CONTRACTOR Co. tools Length Drill Pipe? 3126 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½F.H. In.

Length Weight Pipe 1096 Ft. I.D. Weight Pipe 2.8 In. Tool Joint Size 4½XH In. Length Drill Collars Ft. I.D. Drill Collars In.

Tool Joint Size In. Length D.S.T. Tool 38 Ft.

Remarks:

FORM WTC 3

WESTERN TESTING CO., INC.
Pressure Data

Date 5-8-74 Test Ticket No. 20478

Recorder No. 3086 Capacity 4500 Location 4252 Ft.

Clock No. 6896 Elevation 2687 Kelly Bushings Well Temperature 126 °F

Point		Pressure	
A	Initial Hydrostatic Mud	2165	P.S.I.
B	First Initial Flow Pressure	47	P.S.I.
C	First Final Flow Pressure	171	P.S.I.
D	Initial Closed-in Pressure	1237	P.S.I.
E	Second Initial Flow Pressure	220	P.S.I.
F	Second Final Flow Pressure	526	P.S.I.
G	Final Closed-in Pressure	1183	P.S.I.
H	Final Hydrostatic Mud	2121	P.S.I.

	Time Given	Time Computed
Open Tool	7:27 A. M.	
First Flow Pressure	15 Mins.	15 Mins.
Initial Closed-in Pressure	45 Mins.	45 Mins.
Second Flow Pressure	60 Mins.	60 Mins.
Final Closed-in Pressure	45 Mins.	45 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	47
P 2 5	78
P 3 10	135
P 4 15	171
P 5	
P 6	
P 7	
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 15 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	171
3	944
6	1086
9	1139
12	1172
15	1193
18	1206
21	1216
24	1220
27	1225
30	1228
33	1232
36	1234
39	1237
42	1237
45	1237

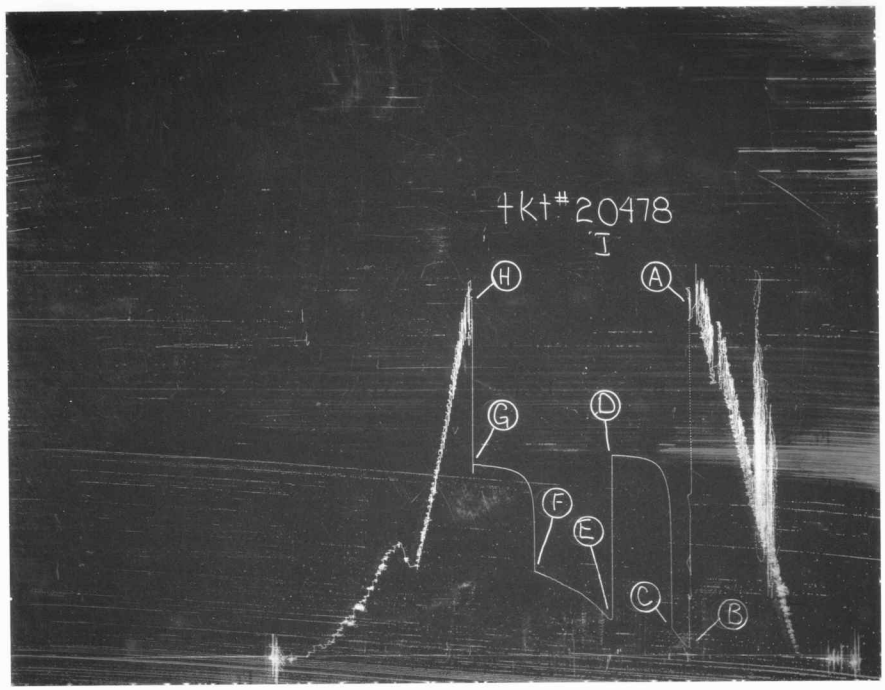
Second Flow Pressure
Breakdown: 12 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	220
5	246
10	289
15	325
20	360
25	391
30	412
35	434
40	455
45	476
50	493
55	512
60	526

Final Shut-In
Breakdown: 15 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	526
3	1005
6	1070
9	1104
12	1125
15	1139
18	1148
21	1155
24	1160
27	1165
30	1169
33	1172
36	1176
39	1179
42	1183
45	1183

COMPANY Abercrombie Drilling Inc. LEASE AND WELL NO. Seifried #1 SEC. 25 TWP. 18S RGE. 28W TEST NO. 4 DATE 5-8-74



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2141	2165	PSI
(B)	First Initial Flow Pressure	47	47	PSI
(C)	First Final Flow Pressure	177	171	PSI
(D)	Initial Closed-in Pressure	1253	1237	PSI
(E)	Second Initial Flow Pressure	225	220	PSI
(F)	Second Final Flow Pressure	432	526	PSI
(G)	Final Closed-in Pressure	1197	1183	PSI
(H)	Final Hydrostatic Mud	2119	2121	PSI

Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Abercrombie Drilling Inc. Lease & Well No. Seifried #1

Elevation 2687 Kelly Bushings Formation Mississippian Effective Pay Ft. Ticket No. 20479

Date 5-9-74 Sec. 25 Twp. 18S Range 28W County Lane State Kansas

Test Approved by Harold Steincamp Western Representative Dennis Sporing

Formation Test No. 5 O.K. X Misrun Interval Tested From 4542' to 4562' Total Depth 4562'

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 4537 Ft. Size 6 3/4" Bottom Packer Depth 4542 Ft. Size 6 3/4"

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

Tool Size 5½"O.D. Tool Joint Size 4½"FH Anchor Length 22 Ft. Size 5½"O.D. Surface Choke Size 3/8 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4554 Ft. Clock No. 6896 Depth 4557 Ft. Clock No. 4964

Top Make Kuster Cap. 4500 No. 3086 Inside Outside Bottom Make Kuster Cap. 4200 No. 1558 Inside Outside

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

Time Set Packer 5:57 P. M

Tool Open I.F.P. From 6:00 M. to 6:30P. M. Hr. 30 Min. From (B) 33 P.S.I. To (C) 38 P.S.I.

Tool Closed I.C.I.P. From 6:30 M. to 7:15P. M. Hr. 45 Min (D) 1028 P.S.I.

Tool Open F.F.P. From 7:15 M. to 8:45P. M. Hr. 90 Min. From (E) 57 P.S.I. To (F) 83 P.S.I.

Tool Closed F.C.I.P. From 8:45 M. to 9:30P. M. Hr. 45 Min. (G) 1081 P.S.I.

Initial Hydrostatic Pressure (A) 2314 P.S.I. Final Hydrostatic Pressure (H) 2279 P.S.I. Maximum Temp. 133

INFORMATION

BLOW Weak building

Did Well Flow Yes X No Recovery Total Ft. 30 feet heavy oil cut mud
120 feet oil mud cut water

Reversed Out Yes X No Mud Type Starch Viscosity 46 Weight 9.6 Water Loss 16.2 cc. Chlorides

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

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

DRILLING CONTRACTOR Co. tools Length Drill Pipe? 3424 Ft. I.D. Drill Pipe 2.8 In. Tool Joint Size 4½"FH In.

Length Weight Pipe 1096 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4½FH In. Length Drill Collars Ft. I.D. Drill Collars In.

Tool Joint Size In. Length D.S.T. Tool 42 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 5-9-74 Test Ticket No. 20479

Recorder No. 3086 Capacity 4500 Location 4554 Ft.

Clock No. 6896 Elevation 2687 Kelly Bushings Well Temperature 133 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2314 P.S.I.	Open Tool	5:57 P.M.	
B	First Initial Flow Pressure	33 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	38 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D	Initial Closed-in Pressure	1028 P.S.I.	Second Flow Pressure	90 Mins.	90 Mins.
E	Second Initial Flow Pressure	57 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F	Second Final Flow Pressure	83 P.S.I.			
G	Final Closed-in Pressure	1081 P.S.I.			
H	Final Hydrostatic Mud	2279 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	33
P 2 5	33
P 3 10	33
P 4 15	33
P 5 20	33
P 6 25	35
P 7 30	38
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 15 Inc. of 3 mins. and a final inc. of 0 Min.

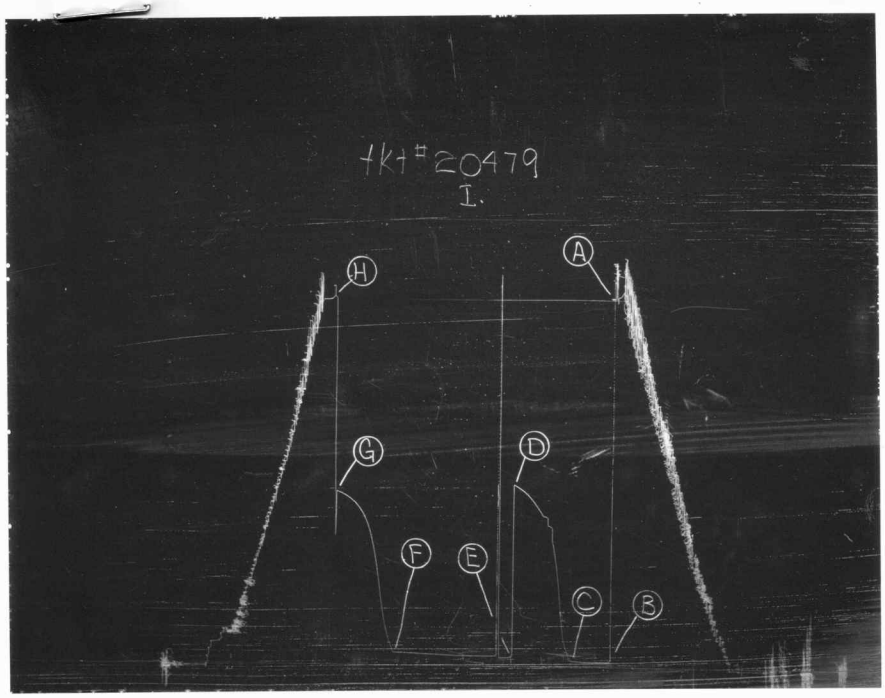
Point Minutes	Press.
0	38
3	92
6	161
9	341
12	563
15	725
18	874
21	930
24	939
27	979
30	1014
33	1046
36	1074
39	1095
42	1111
45	1028

Second Flow Pressure
Breakdown: 18 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	57
5	57
10	Flushed tool
15	64
20	65
25	67
30	68
35	70
40	73
45	74
50	75
55	76
60	77
65	78
70	79
75	81
80	82
85	83
90	83

Final Shut-In
Breakdown: 15 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	83
3	149
6	235
9	355
12	523
15	679
18	795
21	874
24	932
27	974
30	1005
33	1026
36	1042
39	1058
42	1072
45	1081



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2279	2314	PSI
(B)	First Initial Flow Pressure	35	33	PSI
(C)	First Final Flow Pressure	41	38	PSI
(D)	Initial Closed-in Pressure	1136	1028	PSI
(E)	Second Initial Flow Pressure	47	57	PSI
(F)	Second Final Flow Pressure	88	83	PSI
(G)	Final Closed-in Pressure	1090	1081	PSI
(H)	Final Hydrostatic Mud	2256	2279	PSI

COMPANY Abercrombie Drilling Inc. LEASE AND WELL NO. Seifried #1 SEC. 25 TWP. 18S RGE. 28W TEST NO. 5 DATE 5-9-74