WESTERN TESTERS

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

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

Elevation 2579 Kelly Bushings Formation Kansas City Effective Pay - Ft. Ticket No. 17592

Date 10-5-73 Sec. 32 Twp. 1S Range 26W County Decator State Kansas

Test Approved by Jack R. Wharton Western Representative Gerrell Veatch

Formation Test No. 1 O.K. X Misrun Interval Tested From 3333' to 3380' Total Depth 3380'

Size Main Hole 6 3/4" Rat Hole Conv. X B.T. Damaged Yes X No Conv. X B.T. Damaged Yes X No

Top Packer Depth 3328 Ft. Size 5½" Packer Depth 3333 Ft. Size 5½"

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

Packer Depth Ft. Size

Tool Size 4½" O.D. Tool Jt. Size 4" & 4½" F.H Anchor Length 47 Ft. Size 4½" O.D.

RECORDERS Depth 3318 Ft. Clock No. 9729 Depth 3323 Ft. Clock No. 8475

Top Make Kuster Cap 4150 No. 2608 ~~Inside~~ Outside Bottom Make Kuster Cap 4150 No. 1567 ~~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 12:17 P. M

Tool Open I.F.P. From 12:20 M. to 12:50 PM. Hr. 30 Min. From (B) 62 P.S.I. To (C) 62 P.S.I.

Tool Closed I.C.I.P. From 12:50 M. to 1:20 P.M. Hr. 30 Min. (D) 474 P.S.I.

Tool Open F.F.P. From 1:20 M. to 1:50 P.M. Hr. 30 Min. From (E) 64 P.S.I. To (F) 64 P.S.I.

Tool Closed F.C.I.P. From 1:50 M. to 2:20 P.M. Hr. 30 Min. (G) 420 P.S.I.

Initial Hydrostatic Pressure (A) 2000 P.S.I. Final Hydrostatic Pressure (H) 2070 P.S.I.

SURFACE INFORMATION	Size Choke	Max. Press. P.S.I.	Time	Description of Flow
	3/8 In.		M.	
			M.	
			M.	

BLOW Weak Blow for 23 minutes Bottom Choke Size 3/4 In.

Did Well Flow Yes X No Recovery Total Ft. 25 feet Slightly oil cut mud

Reversed Out Yes X No Mud Type Chem Viscosity 52 Weight 10.0 Water Loss 9.6 cc. Maximum Temp. 97 °F

Type Circ. Sub. Plug Safety Joint No Jars: Size - Make - Ser. No. -

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

Length Drill Pipe 1773 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 1240 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 300 ft.

I.D. Drill Collars 2.5 in. Length D.S.T. Tool 67 ft.

Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date October 5, 1973 — Test Ticket No. 17592

Recorder No. 2608 — Capacity 4150 — Location 3318 Ft.

Clock No. 9729 — Elevation 2579 Kelly Bushings — Well Temperature 97 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2000 P.S.I.		Open Tool	12:20 P. M.	
B	First Initial Flow Pressure	62 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	62 P.S.I.		Initial Closed-in Pressure	30 Mins.	27 Mins.
D	Initial Closed-in Pressure	474 P.S.I.		Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	64 P.S.I.		Final Closed-in Pressure	30 Mins.	27 Mins.
F	Second Final Flow Pressure	64 P.S.I.				
G	Final Closed-in Pressure	420 P.S.I.				
H	Final Hydrostatic Mud	2070 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	62
P 2	5	62
P 3	10	62
P 4	15	62
P 5	20	62
P 6	25	62
P 7	30	62
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

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

Point	Minutes	Press.
P 1	0	62
P 2	3	64
P 3	6	72
P 4	9	87
P 5	12	118
P 6	15	178
P 7	18	251
P 8	21	349
P 9	24	443
P10	27	474
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

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

Point	Minutes	Press.
P 1	0	64
P 2	5	64
P 3	10	64
P 4	15	64
P 5	20	64
P 6	25	64
P 7	30	64
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

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

Point	Minutes	Press.
P 1	0	64
P 2	3	64
P 3	6	76
P 4	9	89
P 5	12	118
P 6	15	178
P 7	18	251
P 8	21	305
P 9	24	385
P10	27	420
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

COMPANY Abercrombie Drilling Inc. LEASE AND WELL NO. Railsback #1 SEC. 32 TWP. 1S RGE. 26W TEST NO. 1 DATE 10-5-73

This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2010	2000	PSI
(B)	First Initial Flow Pressure	45	62	PSI
(C)	First Final Flow Pressure	58	62	PSI
(D)	Initial Closed-in Pressure	468	474	PSI
(E)	Second Initial Flow Pressure	62	64	PSI
(F)	Second Final Flow Pressure	64	64	PSI
(G)	Final Closed-in Pressure	416	420	PSI
(H)	Final Hydrostatic Mud	2000	2070	PSI

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

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

Elevation 2579 Kelly Bushings Formation Kansas City Effective Pay — Ft. Ticket No. 17593

Date 10-6-73 Sec. 32 Twp. 1S Range 26W County Decatur State Kansas

Test Approved by Jack K. Wharton Western Representative Gerrell Veatch

Formation Test No. 2 O.K. X Misrun Interval Tested From 3384' to 3402' Total Depth 3402'

Size Main Hole 6 3/4" Rat Hole Conv. X B.T. Damaged Yes X No Conv. X B.T. Damaged Yes X No

Top Packer Depth 3379 Ft. Size 5½" Packer Depth 3384 Ft. Size 5½"

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

Packer Depth Ft. Size

Tool Size 4½" O.D. Tool Jt. Size 4 & 4½" F.H. Anchor Length 18 Ft. Size 4½" O.D.

RECORDERS Depth 3390 Ft. Clock No. 9729 Depth 3395 Ft. Clock No. 8475

Top Make Kuster Cap 4300 No. 2608 Inside ~~Outside~~ Bottom Make Kuster Cap 4150 No. 1567 ~~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 12:10 A. M

Tool Open I.F.P. From 12:15 M. to 12:45 A.M. Hr. 30 Min. From (B) 18 P.S.I. To (C) 18 P.S.I.

Tool Closed I.C.I.P. From 12:45 M. to 1:15 A.M. Hr. 30 Min. (D) 18 P.S.I.

Tool Open F.F.P. From 1:15 M. to 1:45 A.M. Hr. 30 Min. From (E) 18 P.S.I. To (F) 18 P.S.I.

Tool Closed F.C.I.P. From 1:45 M. to 2:15 A.M. Hr. 30 Min. (G) 22 P.S.I.

Initial Hydrostatic Pressure (A) 1816 P.S.I. Final Hydrostatic Pressure (H) 1780 P.S.I.

SURFACE INFORMATION	Size Choke	Max. Press. P.S.I.	Time	Description of Flow
	3/8 In.		M.	
			M.	
			M.	

BLOW Very Weak Blow 17 minutes Bottom Choke Size 3/4 In.

Did Well Flow Yes X No Recovery Total Ft. 3 feet Drilling mud with few specks oil

Reversed Out Yes X No Mud Type Chem Viscosity 44 Weight 10.0 Water Loss 9.6 cc. Maximum Temp. 97 °F

Type Circ. Sub. Plug Safety Joint No Jars: Size — Make — Ser. No. —

EXTRA EQUIPMENT: Dual Packers Yes Did Packer Hold? Yes Did Tool Plug? No Where? —

Length Drill Pipe 1862 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 1240 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 300 ft.

I.D. Drill Collars 2 5/8 in. Length D.S.T. Tool 38 ft.

Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date October 6, 1973 — Test Ticket No. 17593

Recorder No. 2608 — Capacity 4150 — Location 3390 Ft.

Clock No. 9729 — Elevation 2579 Kelly Bushings — Well Temperature 97 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1816	P.S.I.	Open Tool	12:15 A.M.	
B	First Initial Flow Pressure	18	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	18	P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	18	P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	18	P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F	Second Final Flow Pressure	18	P.S.I.			
G	Final Closed-in Pressure	22	P.S.I.			
H	Final Hydrostatic Mud	1780	P.S.I.			

PRESSURE BREAKDOWN

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

Point Mins.	Press.
1 0	18
2 5	18
3 10	18
4 15	18
5 20	18
6 25	18
7 30	18
8	
9	
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	
0	

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

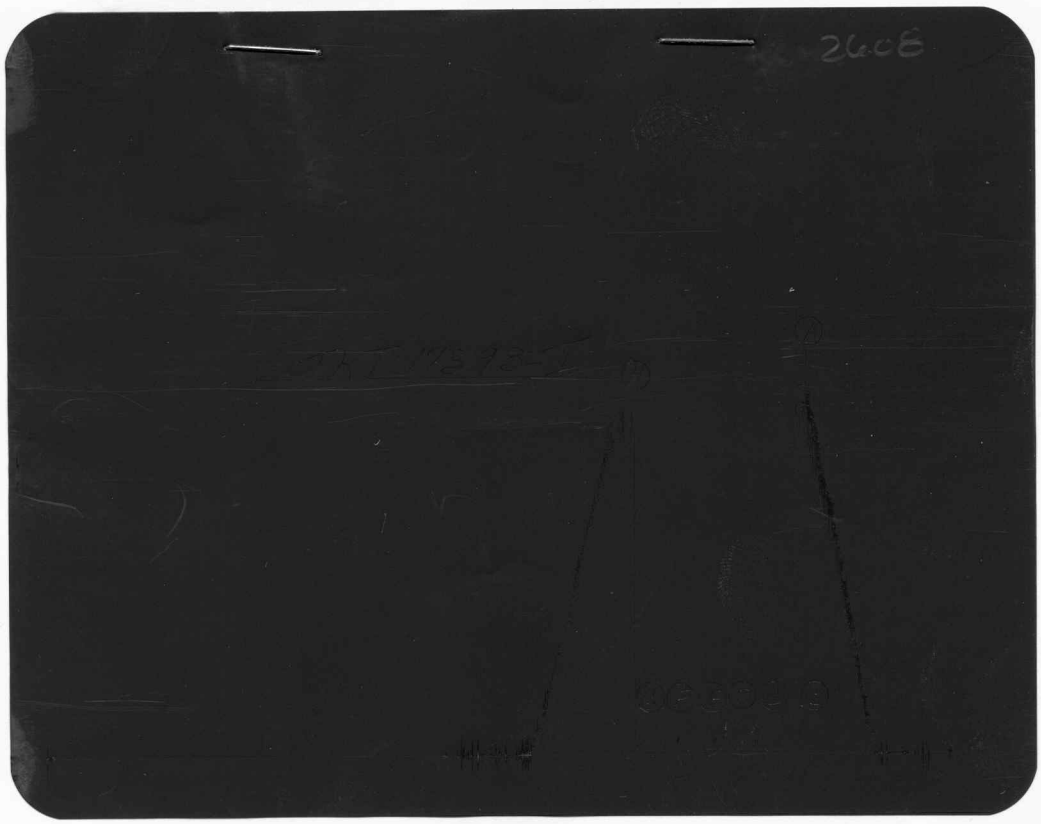
Point Minutes	Press.
0	18
3	18
6	18
9	18
12	18
15	18
18	18
21	18
24	18
27	18
30	18

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

Point Minutes	Press.
0	18
5	18
10	18
15	18
20	18
25	18
30	18

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

Point Minutes	Press.
0	18
3	18
6	18
9	18
12	18
15	18
18	18
21	18
24	18
27	18
30	22



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1940	1816	PSI
(B)	First Initial Flow Pressure	18	18	PSI
(C)	First Final Flow Pressure	20	18	PSI
(D)	Initial Closed-in Pressure	20	18	PSI
(E)	Second Initial Flow Pressure	20	18	PSI
(F)	Second Final Flow Pressure	20	18	PSI
(G)	Final Closed-in Pressure	20	22	PSI
(H)	Final Hydrostatic Mud	1930	1780	PSI

COMPANY Abercrombie Drilling Inc. LEASE AND WELL NO. Railsback #1 SEC. 32 TWP. 1S RGE. 26W TEST NO. 2 DATE 10-6-73

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

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

Elevation 2579 Kelly Bushings Formation Kansas City Effective Pay — Ft. Ticket No. 17594

Date 10-6-73 Sec. 32 Twp. 1S Range 15W County Decatur State Kansas

Test Approved by Jack K. Wharton Western Representative Gerrell Veatch

Formation Test No. 3 O.K. X Misrun Interval Tested From 3384' to 3416' Total Depth 3416'

Size Main Hole 6 3/8" Hole Conv. X B.T. Damaged Yes X No Conv. X B.T. Damaged Yes X No

Top Packer Depth 3379 Ft. Size 5½" Packer Depth 3384 Ft. Size 5½"

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

Packer Depth Ft. Size

Tool Size 4½" O.D. Tool Jt. Size 4" & 4½" F.H. Anchor Length 32 Ft. Size 4½" O.D.

RECORDERS Depth 3405 Ft. Clock No. 9103 Depth 3410 Ft. Clock No. 8475

Top Make Kuster Cap 4150 No. 2608 Inside ~~Outside~~ Bottom Make Kuster Cap 4300 No. 1567 ~~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 11:18 A. M

Tool Open I.F.P. From 11:20 M. to 11:50 A.M. Hr. 30 Min. From (B) 52 P.S.I. To (C) 52 P.S.I.

Tool Closed I.C.I.P. From 11:50 M. to 12:35 P.M. Hr. 45 Min. (D) 1149 P.S.I.

Tool Open F.F.P. From 12:35 M. to 1:05 P.M. Hr. 30 Min. From (E) 62 P.S.I. To (F) 70 P.S.I.

Tool Closed F.C.I.P. From 1:05 M. to 1:35 P.M. Hr. 30 Min. (G) 1103 P.S.I.

Initial Hydrostatic Pressure (A) 2052 P.S.I. Final Hydrostatic Pressure (H) 2033 P.S.I.

SURFACE INFORMATION	Size Choke 3/8 In.	Max. Press. P.S.I.	Time	Description of Flow
			M.	
			M.	
			M.	

BLOW Weak Blow for 30 minutes Bottom Choke Size 3/4 In.

Did Well Flow Yes X No Recovery Total Ft. 60 feet Drilling mud

Reversed Out Yes X No Mud Type Chem Viscosity 40 Weight 9.9 Water Loss 8.8 cc. Maximum Temp. 97 °F

Type Circ. Sub. Plug Safety Joint No Jars: Size — Make — Ser. No.

EXTRA EQUIPMENT: Dual Packers Yes Did Packer Hold? Yes Did Tool Plug? No Where?

Length Drill Pipe 1844 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 1240 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 300 ft.

I.D. Drill Collars 2.5 in. Length D.S.T. Tool 52 ft.

Remarks Flushed tool on Final Flow

WESTERN TESTING CO., INC.
Pressure Data

Date October 6, 1973 — Test Ticket No. 17594

Recorder No. 2608 — Capacity 4150 — Location 3405 Ft.

Clock No. 9103 — Elevation 2579 Kelly Bushings — Well Temperature 97 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2052 P.S.I.	Open Tool	11:20 A. M	
B First Initial Flow Pressure	52 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	52 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	1149 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	62 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	70 P.S.I.			
G Final Closed-in Pressure	1103 P.S.I.			
H Final Hydrostatic Mud	2033 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	52
P 2 5	52
P 3 10	52
P 4 15	52
P 5 20	52
P 6 25	52
P 7 30	52
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.

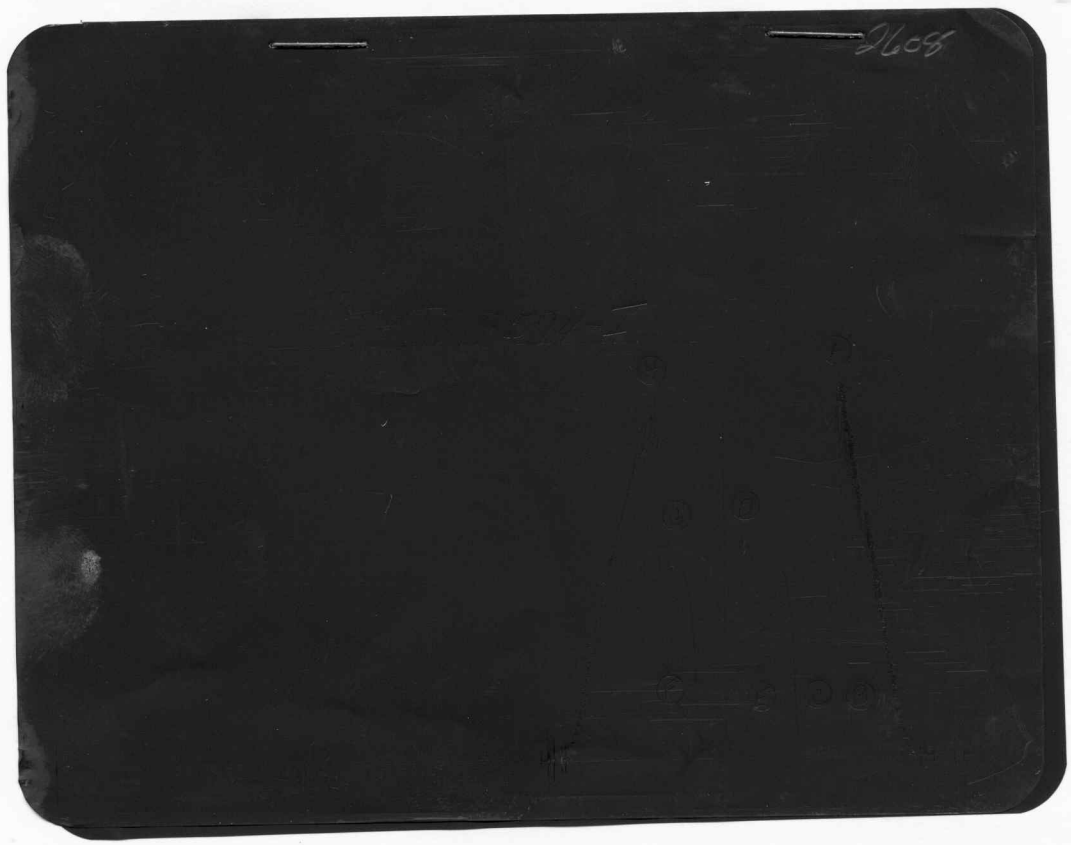
Point Minutes	Press.
0	52
3	187
6	633
9	871
12	993
15	1047
18	1078
21	1095
24	1105
27	1115
30	1128
33	1132
36	1138
39	1144
42	1146
45	1149

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

Point Minutes	Press.
0	62
5	62
10	62
15	62
20	70
25	70
30	70

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

Point Minutes	Press.
0	70
3	270
6	675
9	886
12	983
15	1024
18	1051
21	1070
24	1084
27	1095
30	1103
3	



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2024	2052	PSI
(B)	First Initial Flow Pressure	47	52	PSI
(C)	First Final Flow Pressure	52	52	PSI
(D)	Initial Closed-in Pressure	1165	1149	PSI
(E)	Second Initial Flow Pressure	76	62	PSI
(F)	Second Final Flow Pressure	83	70	PSI
(G)	Final Closed-in Pressure	1089	1103	PSI
(H)	Final Hydrostatic Mud	2014	2033	PSI

COMPANY Abercrombie Drilling Inc. LEASE AND WELL NO. Railsback #1 SEC. 32 TWP. 1S RGE. 15W TEST NO. 3 DATE 10-6-73

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

ompany Abercrombie Drilling Inc. Lease & Well No. Railsback #1

levation 2577 Kelly Bushings Formation Kansas City Effective Pay - Ft. Ticket No. 17595

Date 10-7-73 Sec. 32 Twp. 1S Range 26W County Decatur State Kansas

Test Approved by Jack K. Wharton Western Representative Gerrell Veatch

Formation Test No. 4 O.K. X Misrun Interval Tested From 3520' to 3546' Total Depth 3546'

Size Main Hole 6 3/4" Rat Hole Conv. X B.T. Damaged Yes X No Conv. X B.T. Damaged Yes X No

Packer Depth 3515 Ft. Size 5½" Packer Depth 3520 Ft. Size 5½"

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

Packer Depth Ft. Size

Tool Size 4½" O.D. Tool Jt. Size 4" & 4½" F.H. Anchor Length 26 Ft. Size 4½" O.D.

RECORDERS Depth 3535 Ft. Clock No. 9103 Depth 3540 Ft. Clock No. 8475

Top Make Kuster Cap. 4150 No. 2608 Inside ~~Outside~~ Bottom Make Kuster Cap. 4300 No. 1567 ~~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 8:17 A. M

Tool Open I.F.P. From 8:20 M. to 8:40 A. M. Hr. 20 Min. From (B) 22 P.S.I. To (C) 22 P.S.I.

Tool Closed I.C.I.P. From 8:40 M. to 9:10 A. M. Hr. 30 Min. (D) 22 P.S.I.

Tool Open F.F.P. From 9:10 M. to 9:40 A. M. Hr. 30 Min. From (E) 22 P.S.I. To (F) 22 P.S.I.

Tool Closed F.C.I.P. From 9:40 M. to 10:10 A. M. Hr. 30 Min. (G) 22 P.S.I.

Initial Hydrostatic Pressure (A) 2000 P.S.I. Final Hydrostatic Pressure (H) 2000 P.S.I.

SURFACE INFORMATION	Size Choke	Max. Press. P.S.I.	Time	Description of Flow
	3/8 In.		M.	
			M.	
			M.	

BLOW Very Weak Blow for 20 minutes Bottom Choke Size 3/4 In.

Did Well Flow Yes X No Recovery Total Ft. 5 feet Drilling Mud

Reversed Out Yes X No Mud Type Chem Viscosity 41 Weight 10.1 Water Loss 11.2 cc. Maximum Temp. 100 °F

Type Circ. Sub. Plug Safety Joint No Jars: Size - Make - Ser. No. -

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

Length Drill Pipe 1761 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 1240 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 300 ft.

I.D. Drill Collars 2.5 in. Length D.S.T. Tool 46 ft.

Remarks Flush Tool two times no Reaction

WESTERN TESTING CO., INC.
Pressure Data

Date October 7, 1973 Test Ticket No. 17595

Recorder No. 2608 Capacity 4150 Location 3535 Ft.

Clock No. 9103 Elevation 2577 Kelly Bushings Well Temperature 100 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2000	P.S.I.	Open Tool	8:17 A. M	
B	First Initial Flow Pressure	22	P.S.I.	First Flow Pressure	20 Mins.	20 Mins.
C	First Final Flow Pressure	22	P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	22	P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	22	P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F	Second Final Flow Pressure	22	P.S.I.			
G	Final Closed-in Pressure	22	P.S.I.			
H	Final Hydrostatic Mud	2000	P.S.I.			

PRESSURE BREAKDOWN

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

Point	Mins.	Press.
P 1	0	22
P 2	5	22
P 3	10	22
P 4	15	22
P 5	20	22
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.
P 1	0	22
P 2	3	22
P 3	6	22
P 4	9	22
P 5	12	22
P 6	15	22
P 7	18	22
P 8	21	22
P 9	24	22
P10	27	22
P11	30	22
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

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

Point	Minutes	Press.
P 1	0	22
P 2	5	22
P 3	10	22
P 4	15	22
P 5	20	22
P 6	25	22
P 7	30	22
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

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

Point	Minutes	Press.
P 1	0	22
P 2	3	22
P 3	6	22
P 4	9	22
P 5	12	22
P 6	15	22
P 7	18	22
P 8	21	22
P 9	24	22
P10	27	22
P11	30	22
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2020	2000	PSI
(B)	First Initial Flow Pressure	20	22	PSI
(C)	First Final Flow Pressure	20	22	PSI
(D)	Initial Closed-in Pressure	20	22	PSI
(E)	Second Initial Flow Pressure	20	22	PSI
(F)	Second Final Flow Pressure	20	22	PSI
(G)	Final Closed-in Pressure	20	22	PSI
(H)	Final Hydrostatic Mud	2010	2000	PSI

COMPANY Abercrombie Drilling Inc. LEASE AND WELL NO. Railsback #1 SEC. 32 TWP. 1S RGE. 26W TEST NO. 4 DATE 10-7-73