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

Company Abercrombie Drilling Co. Lease & Well No. Urban #1

Elevation 2678 Formation Lansing Effective Pay 8 Ft. Ticket No. 13457

Date 11-10-69 Sec. 16 Twp. 2S Range 29W County Decatur State Kansas

Test Approved by Jerry Langrehr Western Representative Kenneth Cheney

Formation Test No. 1 O.K. X Misrun Interval Tested From 3647' to 3694' Total Depth 3694'

Size Main Hole 6 1/4 Rat Hole Conv. B.T. X Damaged Yes X No Conv. X B.T. Damaged Yes X No

Top Packer Depth 3642 Ft. Size 5 1/2" Packer Depth 3647 Ft. Size 5 1/2"

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

Packer Depth Ft. Size

Tool Size 4 1/2" O.D. Tool Jt. Size 3 1/2" I.F. Anchor Length 47 Ft. Size

RECORDERS Depth 3688 Ft. Clock No. 6892 Depth 3690 Ft. Clock No. 9102

Top Make Kuster Cap. 4150 No. 2607 ~~Inside~~ Outside Bottom Make Kuster Cap. 4100 No. 969 ~~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 3:04 A. M

Tool Open I.F.P. From 3:05 M. to 3:20A M. Hr. 15 Min. From (B) 31 P.S.I. To (C) 35 P.S.I.

Tool Closed I.C.I.P. From 3:20 M. to 3:50A. M. Hr. 30 Min. (D) 1252 P.S.I.

Tool Open F.F.P. From 3:50 M. to 5:05 M. 1 Hr. 15 Min. From (E) 56 P.S.I. To (F) 97 P.S.I.

Tool Closed F.C.I.P. From 5:05 M. to 5:35A. M. Hr. 30 Min. (G) 1106 P.S.I.

Initial Hydrostatic Pressure (A) 2026 P.S.I. Final Hydrostatic Pressure (H) 2010 P.S.I.

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

BLOW Weak thru out test Bottom Choke Size 1/2 In.

Did Well Flow Yes X No Recovery Total Ft. 90 feet oil cut mud

60 feet salty oil cut mud

Reversed Out Yes X No Mud Type Starch Viscosity 50 Weight 10. Water Loss 11.7 cc. Maximum Temp. °F

Type Circ. Sub. Plug Did Tool Plug? No Jars: Size Make Ser. No.

EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Did Packer Hold? Yes Where?

Length Drill Pipe 2542 ft. I.D. Drill Pipe 2.7 in. Length Weight Pipe 1085 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.

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

Remarks

FORM WTC 3

WESTERN TESTING CO., INC.
Pressure Data

Date 11-~~12~~x10-69 Test Ticket No. 13457

Recorder No. 2607 Capacity 4150 Location 3688 Ft.

Clock No. 6892 Elevation 2678 Well Temperature °F

Point		Pressure	
A	Initial Hydrostatic Mud	2026	P.S.I.
B	First Initial Flow Pressure	31	P.S.I.
C	First Final Flow Pressure	35	P.S.I.
D	Initial Closed-in Pressure	1252	P.S.I.
E	Second Initial Flow Pressure	56	P.S.I.
F	Second Final Flow Pressure	97	P.S.I.
G	Final Closed-in Pressure	1106	P.S.I.
H	Final Hydrostatic Mud	2010	P.S.I.

	Time Given	Time Computed
Open Tool	3:04 A.M	
First Flow Pressure	15 Mins.	15 Mins.
Initial Closed-in Pressure	30 Mins.	30 Mins.
Second Flow Pressure	75 Mins.	72 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 ____ Min.

Point Mins.	Press.
P 1 0	31
P 2 5	31
P 3 10	31
P 4 15	35
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 ____ Min.

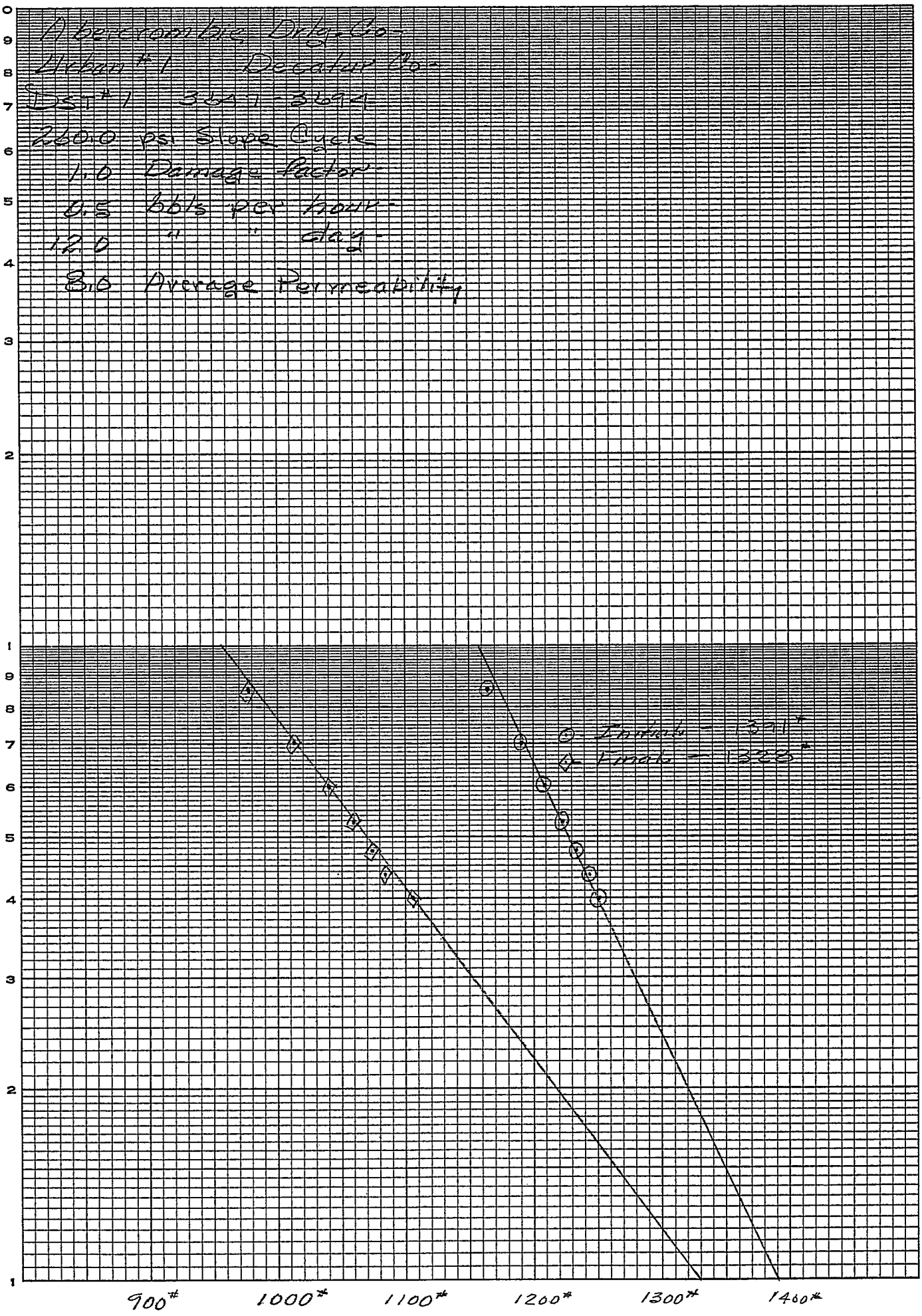
Point Minutes	Press.
0	35
3	641
6	1039
9	1119
12	1165
15	1190
18	1209
21	1223
24	1234
27	1244
30	1252

Second Flow Pressure
Breakdown: 14 Inc.
of 5 mins. and a
final inc. of 2 Min.

Point Minutes	Press.
0	56
5	56
10	57
15	61
20	~~64~~63
25	67
30	71
35	74
40	77
45	80
50	83
55	86
60	90
65	92
70	95
72	97

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

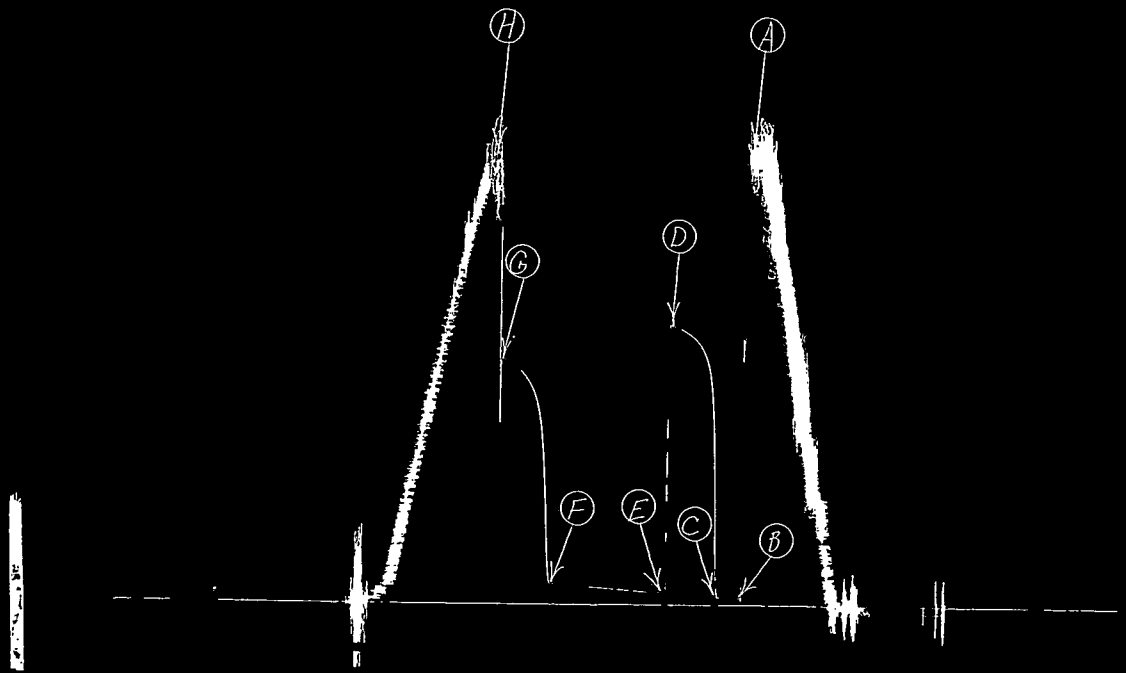
Point Minutes	Press.
0	97
3	476
6	814
9	918
12	977
15	1014
18	1040
21	1060
24	1076
27	1085
30	1106



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Abercrombie Drlg. Co.
Urban #1

T. 3 T #
Test # 11



15-039-20129

WESTERN TESTERS

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

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

Elevation 2678 Kelly Bushing Formation Kansas City Effective Pay Ft. Ticket No. 13458

Date 11-10-69 Sec. 16 Twp. 25 Range 29W County Decatur State Kansas

Test Approved by Jack K. Wharton Western Representative W. C. Craig

Formation Test No. 2 O.K. x Misrun Interval Tested From 3700' to 3732' Total Depth 3732'

Size Main Hole 6¼ Rat Hole Conv. B.T. x Damaged Yes x No Conv. x B.T. Damaged Yes x No

Packer Depth 3695 Ft. Size 5½ Packer Depth 3700 Ft. Size 5½

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

Packer Depth Ft. Size

Tool Size 4½"OD Tool Jt. Size 3½"IF Anchor Length 32 Ft. Size 4½"OD

RECORDERS Depth 3726 Ft. Clock No. 6892 Depth 3728 Ft. Clock No. 9102

Top Make Kuster Cap. 4150 No. 2607 Inside ~~Outside~~ Bottom Make Kuster Cap. 4150 No. 969 ~~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 3:32 PM

Tool Open I.F.P. From 3:35 M. to 4:05P M. Hr. 30 Min. From (B) 44 P.S.I. To (C) 67 P.S.I.

Tool Closed I.C.I.P. From 4:05 M. to 4:35P M. Hr. 30 Min. (D) 1133 P.S.I.

Tool Open F.F.P. From 4:35 M. to 5:35P M. Hr. 60 Min. From (E) 95 P.S.I. To (F) 135 P.S.I.

Tool Closed F.C.I.P. From 5:35 M. to 6:05P M. Hr. 30 Min. (G) 1133 P.S.I.

Initial Hydrostatic Pressure (A) 1987 P.S.I. Final Hydrostatic Pressure (H) 1972 P.S.I.

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

BLOW Weak to fair Bottom Choke Size 3/4 In.

Did Well Flow Yes x No Recovery Total Ft. 1 foot free oil-- 100 feet drilling mud-- 90 feet mud water

Reversed Out Yes x No Mud Type chem Viscosity 43 Weight 10.1 Water Loss 11.4 cc. Maximum Temp. 118 °F

Type Circ. Sub. plug Did Tool Plug? no Jars: Size Make Ser. No.

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where?

Length Drill Pipe 2595 ft. I.D. Drill Pipe 2.7 in. Length Weight Pipe 1085 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.

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

Remarks

FORM WTC 3

WESTERN TESTING CO., INC.
Pressure Data

Date 11-10-69 Test Ticket No. 13458

Recorder No. 3726 Capacity 4150 Location 3726 Ft.

Clock No. 6892 Elevation 2678 Kelly Bushing Well Temperature 118 °F

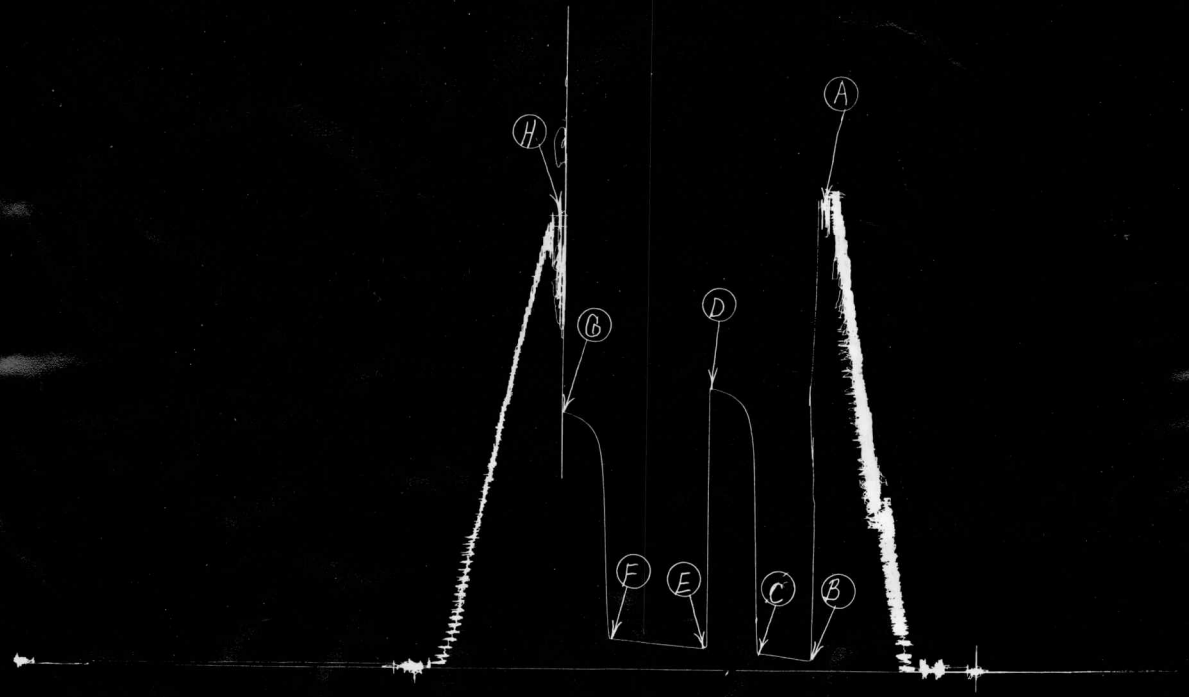
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1987 P.S.I.	Open Tool	3:32 PM	
B First Initial Flow Pressure	44 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	67 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1133 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	95 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	135 P.S.I.			
G Final Closed-in Pressure	1133 P.S.I.			
H Final Hydrostatic Mud	1972 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 10 Inc.		Breakdown: 12 Inc.		Breakdown: 10 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of ____ Min.		final inc. of ____ Min.		final inc. of ____ Min.		final inc. of ____ Min.	
Point Mins.	**Press.**	**Point Minutes**	**Press.**	**Point Minutes**	**Press.**	**Point Minutes**	**Press.**
P 1 0	44	0	67	0	95	0	135
P 2 5	44	3	535	5	95	3	135
P 3 10	48	6	977	10	97	6	237
P 4 15	49	9	1112	15	100	9	757
P 5 20	50	12	1116	20	105	12	977
P 6 25	55	15	1118	25	109	15	1037
P 7 30	67	18	1120	30	108	21	1075
P 8		21	1122	35	112	24	1121
P 9		24	1123	40	118	27	1125
P10		27	1128	45	120	30	1133
P11		30	1133	50	126		
P12				55	131		
P13				60	135		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

abercrombie Drlg. Co. Inc.
Urban #1

T.K.T.# 13458
Test # 2



WESTERN TESTERS

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

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

Elevation 2678 Kelly Bushing Formation Kansas City Effective Pay ____ Ft. Ticket No. 13459

Date 11-11-69 Sec. 16 Twp. 25 Range 29W County Decatur State Kansas

Test Approved by Jack K. Wharton Western Representative W. C. Craig

Formation Test No. 3 O.K. x Misrun ____ Interval Tested From 3814' to 3875' Total Depth 3875'

Size Main Hole 6¼ Rat Hole ____ Conv. ____ B.T. x Damaged ____ Yes x No Conv. x B.T. ____ Damaged ____ Yes x No

Packer Depth 3809 Ft. Size 5½ Packer Depth 3814 Ft. Size 5½

Straddle ____ Yes ____ No x Conv. ____ B.T. ____ Damaged ____ Yes ____ No

Packer Depth ____ Ft. Size ____

Tool Size 4½"OD Tool Jt. Size 3½"IF Anchor Length 61 Ft. Size 4½"OD 1 collar

RECORDERS Depth 3869 Ft. Clock No. 6892 Depth 3871 Ft. Clock No. 9102

Top Make Kuster Cap. 4150 No. 2607 Inside ~~Outside~~ Bottom Make Kuster Cap. 4150 No. 969 ~~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 3:12P M

Tool Open I.F.P. From 3:15 M. to 3:30P M. Hr. 15 Min. From (B) 46 P.S.I. To (C) 46 P.S.I.

Tool Closed I.C.I.P. From 3:30 M. to 4:00P M. Hr. 30 Min. (D) 63 P.S.I.

Tool Open F.F.P. From 4:00 M. to 4:15P M. Hr. 15 Min. From (E) 59 P.S.I. To (F) 48 P.S.I.

Tool Closed F.C.I.P. From 4:15 M. to 4:45P M. Hr. 30 Min. (G) 63 P.S.I.

Initial Hydrostatic Pressure (A) 2010 P.S.I. Final Hydrostatic Pressure (H) 2002 P.S.I.

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

BLOW No blow Bottom Choke Size 3/4 In.

Did Well Flow ____ Yes x No Recovery Total Ft. 10 feet drilling mud

Reversed Out ____ Yes x No Mud Type chem Viscosity 52 Weight 9.9 Water Loss 8.7 cc. Maximum Temp. 121 °F

Type Circ. Sub. plug Did Tool Plug? no Jars: Size ____ Make ____ Ser. No. ____

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where? ____

Length Drill Pipe 2709 ft. I.D. Drill Pipe 2.7 in. Length Weight Pipe 1085 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ____ ft.

I. D. Drill Collars ____ in. Length D.S.T. Tool 81 ft.

Remarks Flush tool after 5 minutes onfinal flow period

FORM WTC 3

WESTERN TESTING CO., INC.
Pressure Data

Date 11-11-69 Test Ticket No. 13459

Recorder No. 2607 Capacity 4150 Location 3869 Ft.

Clock No. 6892 Elevation 2678 K. B. Well Temperature 121 °F

Point		Pressure			Time Given		Time Computed	
A	Initial Hydrostatic Mud	2010	P.S.I.	Open Tool	3:12P	M		
B	First Initial Flow Pressure	46	P.S.I.	First Flow Pressure	15	Mins.	15	Mins.
C	First Final Flow Pressure	46	P.S.I.	Initial Closed-in Pressure	30	Mins.	30	Mins.
D	Initial Closed-in Pressure	63	P.S.I.	Second Flow Pressure	15	Mins.	15	Mins.
E	Second Initial Flow Pressure	59	P.S.I.	Final Closed-in Pressure	30	Mins.	30	Mins.
F	Second Final Flow Pressure	48	P.S.I.					
G	Final Closed-in Pressure	63	P.S.I.					
H	Final Hydrostatic Mud	2002	P.S.I.					

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 3 Inc.		Breakdown: 10 Inc.		Breakdown: 3 Inc.		Breakdown: 10 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of ____ Min.		final inc. of ____ Min.		final inc. of ____ Min.		final inc. of ____ Min.	
Point Mins.	**Press.**	**Point Minutes**	**Press.**	**Point Minutes**	**Press.**	**Point Minutes**	**Press.**
P 1 0	46	0	46	0	59	0	48
P 2 5	46	3	50	5	50	3	48
P 3 10	46	6	54	10	49	6	54
P 4 15	46	9	56	15	48	9	54
P 5		12	56			12	54
P 6		15	57			15	54
P 7		18	60			18	56
P 8		21	60			21	56
P 9		24	61			24	56
P10		27	62			27	63
P11		30	63			30	63
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Abercrombie Drlg Co. Inc.
Ur Ban #1

T.K.T. # 13457
Test # 3

