

15-035-21765



6-335-6E

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

Company R. R. Abderhalden Lease & Well No. Barkman #2
Elevation 1301 Kelly Bush Formation Layton Effective Pay - Ft. Ticket No. 22508
Date 12-2-77 Sec. 6 Twp. 33S Range 6E County Cowley State Kansas
Test Approved by R. R. Abderhalden Western Representative Tim Wilson

Formation Test No. 1 O.K. Misrun Interval Tested From 1831' to 1868' Total Depth 1868'
Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 1825 Ft. Size 6 3/4 Bottom Packer Depth 1831 Ft. Size 6 3/4
Straddle Conv. B.T. Damaged Yes No Packer Depth - Ft. Size -
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 37 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 1861 Ft. Clock No. 9103 Depth 1864 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 9:13P M
Tool Open I.F.P. From 9:15 M. to 9:45 M. - Hr. 30 Min. From (B) 65 P.S.I. To (C) 105 P.S.I.
Tool Closed I.C.I.P. From 9:45 M. to 10:30 M. - Hr. 45 Min (D) 547 P.S.I.
Tool Open F.F.P. From 10:30 M. to 11:00 M. - Hr. 30 Min. From (E) 128 P.S.I. To (F) 122 P.S.I.
Tool Closed F.C.I.P. From 11:00 M. to 12:00 M. - Hr. 60 Min. (G) 545 P.S.I.
Initial Hydrostatic Pressure (A) 925 P.S.I. Final Hydrostatic Pressure (H) 925 P.S.I. Maximum Temp. 97

INFORMATION

BLOW Very strong. Gas to surface in 4 minutes.
Did Well Flow Yes No Recovery Total Ft. 130' total recovery; 70' gas cut drilling mud, 60' watery gas cut drilling mud.

Reversed Out Yes No Mud Type Chem Viscosity 43 Weight 9.2 Water Loss 12.0 cc. Chlorides 800 ppm
EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Jars: Size - In. Make - Ser. No. -
Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR DNB #3 Length Drill Pipe? 820 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.
Length Weight Pipe 961 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4 1/2 XH In. Length Drill Collars 31 Ft. I.D. Drill Collars 2 1/4 In.
Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 56 Ft.

Remarks: Gas sample bottle #609



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GAS FLOW REPORT

Date 12-2-77 Ticket 22508 Company R. R. Abderhalden
 Well Name and No. Barkman #2 Dst No. 1 Interval Tested 1831-1868'
 County Cowley State Kansas Sec. 6 Twp. 33S Rg. 6E

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
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PRE FLOW

Tool open 9:15		Gas to surface in 4 minutes				10 minutes pre flow
9:25	10 Min.	15 PSIG	3/4" Orifice			331,000 C.F.P.D.
9:30	15 "	15 PSIG	3/4" Orifice			331,000 "
9:35	20 "	15 PSIG	3/4" Orifice			331,000 "
9:40	25 "	16 PSIG	3/4" Orifice			344,000 "
9:45	30 "	17 PSIG	3/4" Orifice			357,000 "

SECOND FLOW

Tool shut in 45 minutes.						
10:30	0 Min.	16 PSIG	3/4" Orifice			344,000 C.F.P.D.
10:35	5 "	23 PSIG	3/4"	"		436,000 "
10:40	10 "	23 PSIG	3/4"	"		436,000 "
10:45	15 "	23 PSIG	3/4"	"		436,000 "
10:50	20 "	23 PSIG	3/4"	"		436,000 "
10:55	25 "	22 PSIG	3/4"	"		424,000 "
11:00	30 "	22 PSIG	3/4"	"		424,000 "
Tool shut in 60 minutes.						

GAS BOTTLE

Serial No. 609 Date Bottle Filled 12-2-77 Date to be Invoiced 12-2-77

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME R. R. Abderhalden

Authorized by R. R. Abderhalden

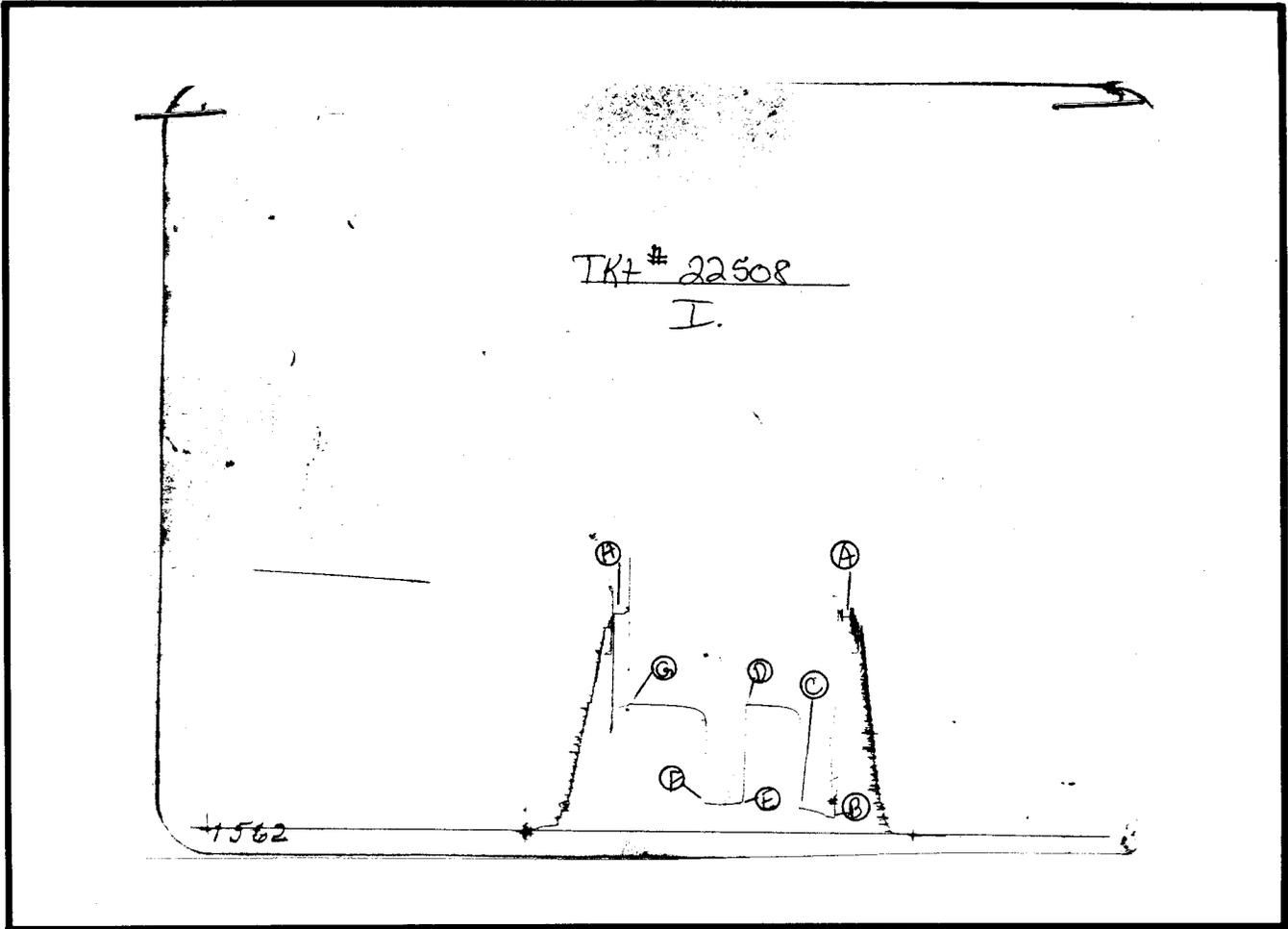
WESTERN TESTING CO., INC.
Pressure Data

Date 12-2-77 Test Ticket No. 22508
 Recorder No. 1562 Capacity 3150 Location 1861 Ft.
 Clock No. 9103 Elevation 1301 Kelly Bushing Well Temperature 97 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	925	P.S.I.	9:13P	M
B First Initial Flow Pressure	65	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	105	P.S.I.	45	Mins. 42 Mins.
D Initial Closed-in Pressure	547	P.S.I.	30	Mins. 30 Mins.
E Second Initial Flow Pressure	128	P.S.I.	60	Mins. 60 Mins.
F Second Final Flow Pressure	122	P.S.I.		
G Final Closed-in Pressure	545	P.S.I.		
H Final Hydrostatic Mud	925	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In		
Breakdown: <u>6</u> Inc.		Breakdown: <u>14</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a		
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1	0	65	0	105	0	128	0	122
P 2	5	70	3	515	5	123	3	505
P 3	10	83	6	526	10	120	6	519
P 4	15	92	9	533	15	120	9	526
P 5	20	97	12	536	20	118	12	531
P 6	25	104	15	539	25	122	15	534
P 7	30	105	18	540	30	122	18	536
P 8			21	541			21	538
P 9			24	542			24	539
P10			27	543			27	540
P11			30	544			30	541
P12			33	545			33	542
P13			36	546			36	543
P14			39	547			39	544
P15			42	547			42	544
P16							45	544
P17							48	545
P18							51	545
P19							54	545
P20							57	545
							60	545



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	925	925	PSI
(B) First Initial Flow Pressure	70	65	PSI
(C) First Final Flow Pressure	109	105	PSI
(D) Initial Closed-in Pressure	551	547	PSI
(E) Second Initial Flow Pressure	133	128	PSI
(F) Second Final Flow Pressure	125	122	PSI
(G) Final Closed-in Pressure	551	545	PSI
(H) Final Hydrostatic Mud	909	925	PSI