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

Company Molz Oil Company Lease & Well No. Rathgeber A-1

Elevation 1390 Ground Level Formation Mississippi Effective Pay - Ft. Ticket No. 25272

Date 6-6-75 Sec. 6 Twp. 35S Range 11W County Barber State Kansas

Test Approved by Doug McGuiness Western Representative Bob Anthony

Formation Test No. 1 O.K. X Misrun - Interval Tested From 4790' to 4810' Total Depth 4810'

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 4785 Ft. Size 6 3/4 Bottom Packer Depth 4790 Ft. Size 6 3/4

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

Tool Size 5½OD Tool Joint Size 4½FH Anchor Length 20 Ft. Size 5½OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4802 Ft. Clock No. 6899 Depth 4805 Ft. Clock No. 6895

Top Make Kuster Cap. 4000 No. 3660 Inside - Outside - Bottom Make Kuster Cap. 4000 No. 3659 Inside - Outside

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

Time Set Packer 2:23 P M

Tool Open I.F.P. From 2:25P M. to 2:55P M. - Hr. 30 Min. From (B) 44 P.S.I. To (C) 65 P.S.I.

Tool Closed I.C.I.P. From 2:55P M. to 3:25P M. - Hr. 30 Min (D) 1269 P.S.I.

Tool Open F.F.P. From 3:25P M. to 4:55P M. - Hr. 90 Min. From (E) 55 P.S.I. To (F) 73 P.S.I.

Tool Closed F.C.I.P. From 4:55P M. to 5:55P M. - Hr. 60 Min. (G) 1651 P.S.I.

Initial Hydrostatic Pressure (A) 2512 P.S.I. Final Hydrostatic Pressure (H) 2427 P.S.I. Maximum Temp. 122

INFORMATION

BLOW Very strong blow. Gas to surface in 35 minutes.

Did Well Flow - Yes X No Recovery Total Ft. 190' total fluid, 70' oil & gas cut mud, 120' heavy oil & gas cut mud, free oil in tool.

Reversed Out - Yes X No Mud Type Starch Viscosity 48 Weight 9.4 Water Loss 13.6 cc. Chlorides 46,000 PPM

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint Yes Jars: Size 6 3/4 In. Make WTC Ser. No. 405

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

DRILLING CONTRACTOR Sweetman Drilling Co. Length Drill Pipe? 4120 Ft. I.D. Drill Pipe 3.7 In. Tool Joint Size 4½FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 655 Ft. I.D. Drill Collars 2.2 In.

Tool Joint Size 4½XH In. Length D.S.T. Tool 42 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 6-6-75 Test Ticket No. 25272

Recorder No. 3660 Capacity 4000 Location 4802 Ft.

Clock No. 6899 Elevation 1390 Ground Level Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2512 P.S.I.	Open Tool	2:23 P M	
B First Initial Flow Pressure	44 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	65 P.S.I.	Initial Closed-in Pressure	30 Mins.	27 Mins.
D Initial Closed-in Pressure	1269 P.S.I.	Second Flow Pressure	90 Mins.	85 Mins.
E Second Initial Flow Pressure	55 P.S.I.	Final Closed-in Pressure	60 Mins.	57 Mins.
F Second Final Flow Pressure	73 P.S.I.			
G Final Closed-in Pressure	1651 P.S.I.			
H Final Hydrostatic Mud	2427 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	44
P 2 5	50
P 3 10	53
P 4 15	61
P 5 20	64
P 6 25	65
P 7 30	65
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.

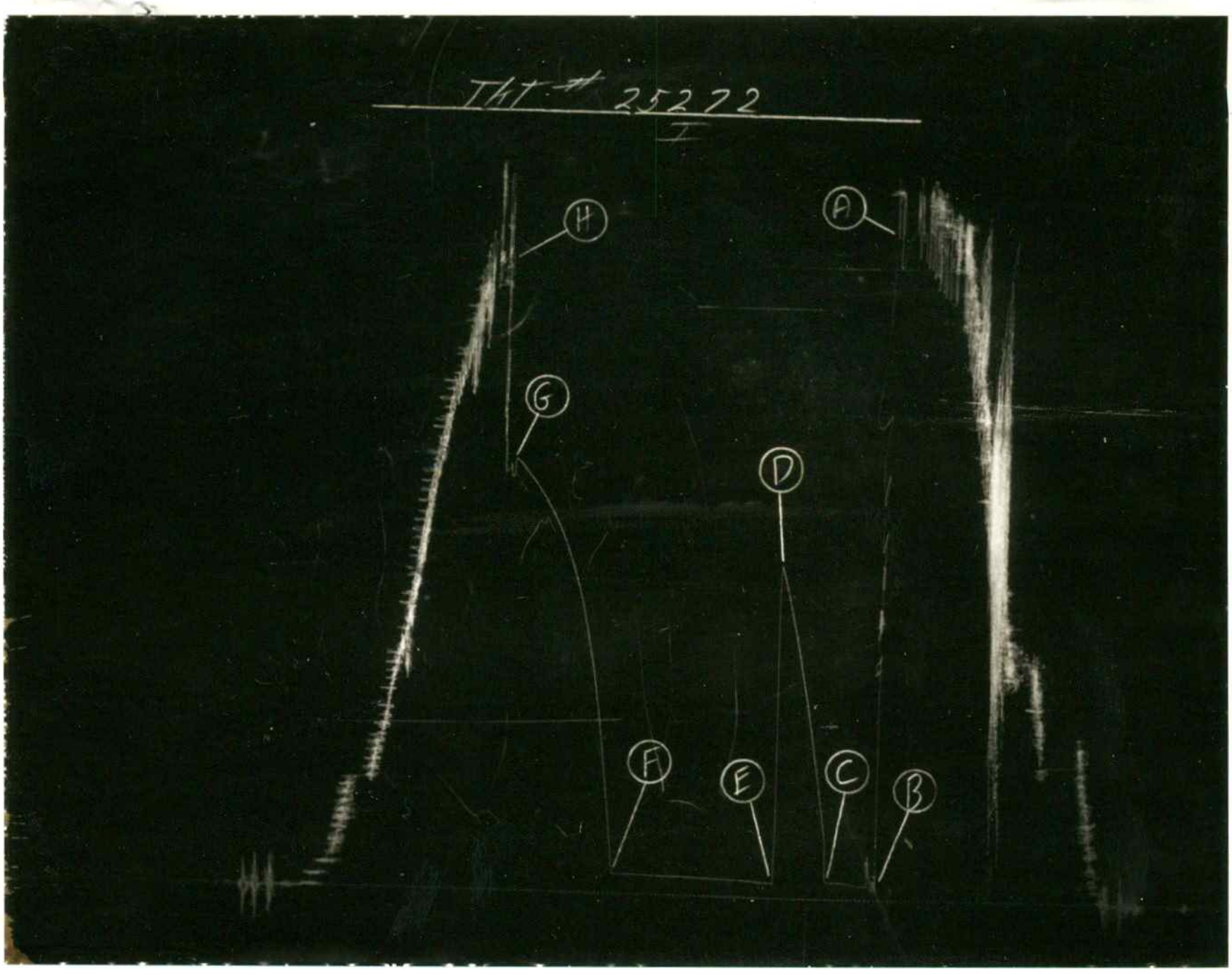
Point Minutes	Press.
0	65
3	379
6	534
9	668
12	786
15	913
18	1018
21	1118
24	1209
27	1269

Second Flow Pressure
Breakdown: 17 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	55
5	57
10	59
15	63
20	64
25	66
30	66
35	68
40	69
45	70
50	71
55	72
60	72
65	72
70	72
75	73
80	73
85	73

Final Shut-In
Breakdown: 19 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	73
3	283
6	498
9	665
12	832
15	948
18	1070
21	1162
24	1233
27	1300
30	1357
33	1408
36	1450
39	1490
42	1525
45	1554
48	1586
51	1609
54	1631
57	1651


THT # 25272
I
H
A
G
D
F
E
C
B

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

Company Molz Oil Company Lease & Well No. Rathgeber A-1

Elevation 1390 Ground Level Formation - Effective Pay - Ft. Ticket No. 25273

Date 6-7-75 Sec. 6 Twp. 35S Range 11W County Barber State Kansas

Test Approved by Doug McGuiness Western Representative Bob Anthony

Formation Test No. 2 O.K. X Misrun - Interval Tested From 4822' to 4857' Total Depth 4857'

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 4817 Ft. Size 6 3/4 Bottom Packer Depth 4822 Ft. Size 6 3/4

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

Tool Size 5½OD Tool Joint Size 4½FH Anchor Length 35 Ft. Size 5½OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4847 Ft. Clock No. 6899 Depth 4850 Ft. Clock No. 6895

Top Make Kuster Cap. 4000 No. 3660 Inside Outside Bottom Make Kuster Cap. 4000 No. 3659 Inside Outside

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

Time Set Packer 8:08 A M

Tool Open I.F.P. From 8:10 A M. to 8:40A M. - Hr. 30 Min. From (B) 65 P.S.I. To (C) 103 P.S.I.

Tool Closed I.C.I.P. From 8:40A M. to 9:10A M. - Hr. 30 Min (D) 1444 P.S.I.

Tool Open F.F.P. From 9:10A M. to 10:40A M. - Hr. 90 Min. From (E) 126 P.S.I. To (F) 171 P.S.I.

Tool Closed F.C.I.P. From 10:40A M. to 11:40A M. - Hr. 60 Min. (G) 1517 P.S.I.

Initial Hydrostatic Pressure (A) 2672 P.S.I. Final Hydrostatic Pressure (H) 2654 P.S.I. Maximum Temp. 119

INFORMATION

BLOW Strong blow increasing.

Did Well Flow - Yes X No Recovery Total Ft. 330' total fluid. 90' oil & gas cut mud, 120' oil & gas cut muddy water, 120' very slightly oil & gas cut muddy water.

Reversed Out - Yes X No Mud Type Starch Viscosity 50 Weight 9.2 Water Loss 13.6 cc. Chlorides 46,000 PPM

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

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

DRILLING CONTRACTOR Sweetman Drilling Co. Length Drill Pipe? 4498 Ft. I.D. Drill Pipe 3.7 In. Tool Joint Size 4½FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 302 Ft. I.D. Drill Collars 2.2 In.

Tool Joint Size 4½XH In. Length D.S.T. Tool 57 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 6-7-75 Test Ticket No. 25273

Recorder No. 3660 Capacity 4000 Location 4847 Ft.

Clock No. 6899 Elevation 1390 Ground Level Well Temperature 119 °F

Point		Pressure	
A	Initial Hydrostatic Mud	2672	P.S.I.
B	First Initial Flow Pressure	65	P.S.I.
C	First Final Flow Pressure	103	P.S.I.
D	Initial Closed-in Pressure	1444	P.S.I.
E	Second Initial Flow Pressure	126	P.S.I.
F	Second Final Flow Pressure	171	P.S.I.
G	Final Closed-in Pressure	1517	P.S.I.
H	Final Hydrostatic Mud	2654	P.S.I.

	Time Given	Time Computed
Open Tool	8:08 A M	
First Flow Pressure	30 Mins.	25 Mins.
Initial Closed-in Pressure	30 Mins.	30 Mins.
Second Flow Pressure	90 Mins.	85 Mins.
Final Closed-in Pressure	60 Mins.	63 Mins.

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	65
P 2 5	76
P 3 10	83
P 4 15	91
P 5 20	99
P 6 25	103
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.

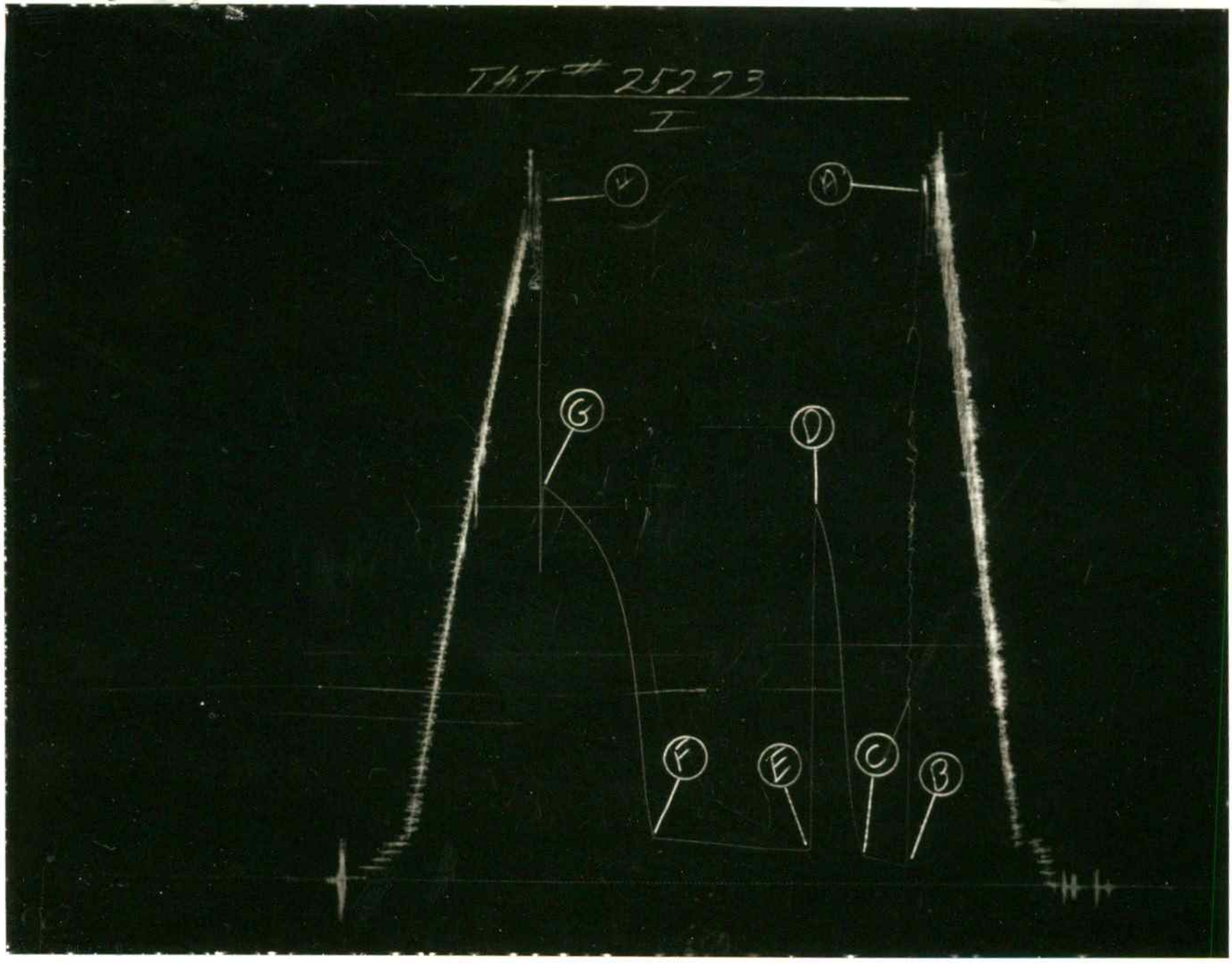
Point Minutes	Press.
0	103
3	164
6	259
9	425
12	690
15	937
18	1129
21	1259
24	1343
27	1408
30	1444

Second Flow Pressure
Breakdown: 17 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	126
5	127
~~10~~	~~130~~
15	131
20	132
~~25~~	~~134~~
30	136
35	140
~~40~~	~~143~~
45	148
50	151
~~55~~	~~155~~
60	158
65	160
~~70~~	~~164~~
75	166
80	169
~~85~~	~~171~~

Final Shut-In
Breakdown: 21 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	171
3	269
~~6~~	~~453~~
9	664
12	841
~~15~~	~~962~~
~~18~~	~~1042~~
21	1118
~~24~~	~~1181~~
27	1227
30	1271
~~33~~	~~1304~~
36	1337
39	1365
~~42~~	~~1390~~
45	1414
48	1439
~~51~~	~~1458~~
54	1475
57	1493
~~60~~	~~1513~~
63	1517


TAT # 25273
I
A
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Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Molz Oil Company Lease & Well No. Rathgeber A-1

Elevation 1400 Kelly Bush. Formation Misner Effective Pay - Ft. Ticket No. 25326

Date 6-9-75 Sec. 6 Twp. 35S Range 11W County Barber State Kansas

Test Approved by Doug McGuiness Western Representative Max Knipe

Formation Test No. 3 O.K. X Misrun - Interval Tested From 5123' to 5135' Total Depth 5135'

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 5118 Ft. Size 6 3/4 Bottom Packer Depth 5123 Ft. Size 6 3/4

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

Tool Size 5½OD Tool Joint Size 4½FH Anchor Length 12 Ft. Size 5½OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 5127 Ft. Clock No. 6894 Depth 5130 Ft. Clock No. 8376

Top Make Kuster Cap. 4150 No. 2606 Inside Outside - Bottom Make Kuster Cap. 4400 No. 2603 Inside Outside

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

Time Set Packer 6:17 A M

Tool Open I.F.P. From 6:20 A M. to 6:50A M. - Hr. 30 Min. From (B) 264 P.S.I. To (C) 423 P.S.I.

Tool Closed I.C.I.P. From 6:50A M. to 7:20A M. - Hr. 30 Min (D) 2002 P.S.I.

Tool Open F.F.P. From 7:20A M. to 8:20A M. - Hr. 60 Min. From (E) 472 P.S.I. To (F) 681 P.S.I.

Tool Closed F.C.I.P. From 8:20A M. to 9:20A M. - Hr. 60 Min. (G) 2010 P.S.I.

Initial Hydrostatic Pressure (A) 2756 P.S.I. Final Hydrostatic Pressure (H) 2728 P.S.I. Maximum Temp. 126

INFORMATION

BLOW Strong blow throughout test. Gas to surface in 5 minutes in pre-flow. Flowing oil in 30 minute on second flow.

Did Well Flow X Yes - No Recovery Total Ft. Flowed oil, 37 degrees gravity corrected.

Reversed Out X Yes - No Mud Type Starch Viscosity 41 Weight 9.4 Water Loss 12 cc. Chlorides 42,000 PPM

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

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

DRILLING CONTRACTOR Sweetman Drilling Co. Length Drill Pipe? 4866 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 25233 Ft. I.D. Drill Collars 2 ¼ In.

Tool Joint Size 4½H-90 In. Length D.S.T. Tool 36 Ft.

Remarks: TIGHT HOLE.

WESTERN TESTING CO., INC.
Pressure Data

Date 6-9-75 Test Ticket No. 25326

Recorder No. 2606 Capacity 4150 Location 5127 Ft.

Clock No. 6894 Elevation 1400 Kelly Bushing Well Temperature 126 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2756 P.S.I.	Open Tool	6:17 A M	
B First Initial Flow Pressure	264 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	423 P.S.I.	Initial Closed-in Pressure	30 Mins.	27 Mins.
D Initial Closed-in Pressure	2002 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	472 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	681 P.S.I.			
G Final Closed-in Pressure	2010 P.S.I.			
H Final Hydrostatic Mud	2728 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	264
P 2 5	264
P 3 10	269
P 4 15	300
P 5 20	335
P 6 25	385
P 7 30	423
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.
0	423
3	1392
6	1857
9	1912
12	1943
15	1962
18	1975
21	1986
24	1996
27	2002

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

Point Minutes	Press.
0	472
5	474
10	517
15	575
20	630
25	680
30	728
35	767
40	802
45	809
50	769
55	724
60	681

Final Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	681
3	1599
6	1819
9	1876
12	1903
15	1922
18	1936
21	1947
24	1958
27	1966
30	1973
33	1979
36	1983
39	1988
42	1993
45	1997
48	2001
51	2003
54	2006
57	2008
60	2010

Phone 316 262-5861
316 838-0601

WESTERN TESTERS

P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date 6-9-75 Ticket 25326 Company Molz Oil Company

Well Name and No. Rathgeber A-1 Dst No. 3 Interval Tested 5123' to 5135'

County Barber State Kansas Sec. 6 Twp. 35S Rg. 11W

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
PRE FLOW						
6:25 AM	5 min.	22" of water 1½" choke				326,000 C.F.P.D.
6:40 AM	15 min.	12" of water 1½" choke				241,000 C.F.P.D.
6:50 AM	10 min.	10" of water 1 " choke				81,600 C.F.P.D.
Tool opened at 6:20 AM. in pre-flow. Gas to surface in 5 minutes in pre-flow.						
SECOND FLOW						
7:25 AM	5 min.	28" of water 1" choke				137,000 C.F.P.D.
7:40 AM	15 min.	7" of water 1" choke				68,300 C.F.P.D.
7:50 AM	10 min.	Flowing oil				
Tool opened at 6:20 AM. in second flow. All measurements were taken through a 2" merla orifice well tester through a 1½" & 1" choke.						

GAS BOTTLE

Serial No. - Date Bottle Filled 6-9-75 Date to be Invoiced 6-9-75

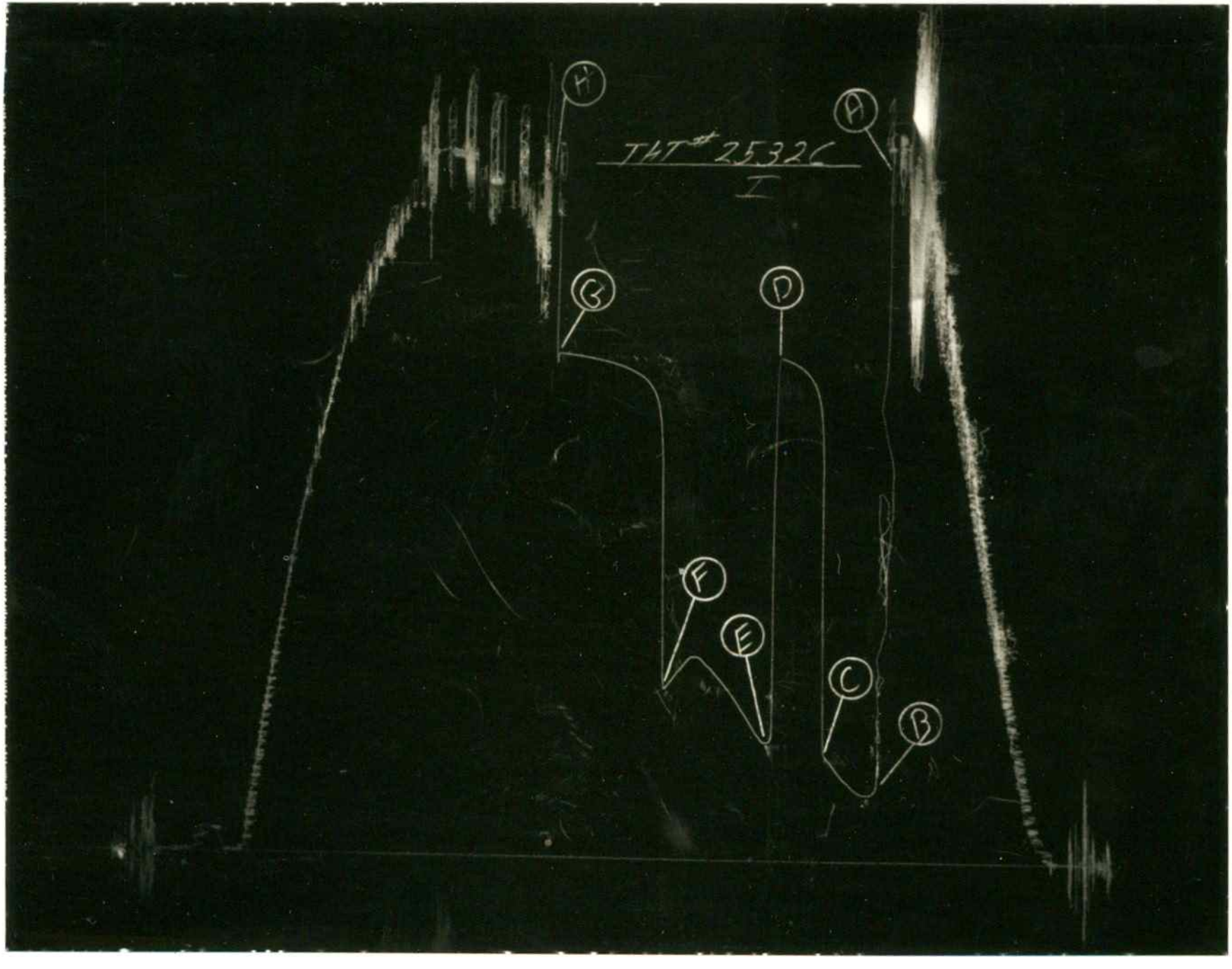
Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By 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 Molz Oil Company

Authorized by Doug McGuiness

FORM WTC 6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