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

Company Amax Petroleum Corporation Lease & Well No. Birkhole #3

Elevation 1222 Kelly Bush. Formation Mississippi Effective Pay - Ft. Ticket No. 25301

Date 4-7-75 Sec. 35 Twp. 32S Range 4W County Sumner State Kansas

Test Approved by N. B. Cove Western Representative Bob Anthony

Formation Test No. 1 O.K. X Misrun - Interval Tested From 3936' to 3958' Total Depth 3958'

Size Main Hole 7 7/8 Rat Hole - Conv. X B.T. - Damaged - Yes X No Conv. - B.T. X Damaged - Yes X No

Top Packer Depth 3930 Ft. Size 6 3/4 Bottom Packer Depth 3936 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 22 Ft. Size 5½OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3950 Ft. Clock No. 6866 Depth 3953 Ft. Clock No. 6376

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 7:38A M

Tool Open I.F.P. From 7:40A M. to 7:55A M. - Hr. 15 Min. From (B) 42 P.S.I. To (C) 62 P.S.I.

Tool Closed I.C.I.P. From 7:55A M. to 8:40A M. - Hr. 45 Min (D) 1139 P.S.I.

Tool Open F.F.P. From 8:40A M. to 9:40A M. - Hr. 60 Min. From (E) 77 P.S.I. To (F) 209 P.S.I.

Tool Closed F.C.I.P. From 9:40A M. to 10:40A M. - Hr. 60 Min. (G) 1129 P.S.I.

Initial Hydrostatic Pressure (A) 2042 P.S.I. Final Hydrostatic Pressure (H) 2021 P.S.I. Maximum Temp. 128

INFORMATION

BLOW Strong throughout test. Gas to surface in 15 minutes on initial flow period. Gas to surface in 2 minutes on final flow period.

Did Well Flow - Yes X No Recovery Total Ft. 5 stands, 300' water.

Reversed Out - Yes X No Mud Type Starch Viscosity 45 Weight 9.8 Water Loss 9.8 cc. Chlorides 36,000 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 Inc. Length Drill Pipe? 3303 Ft. I.D. Drill Pipe 3.2 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 2.8 In.

Tool Joint Size 4½H-90 In. Length D.S.T. Tool 45 Ft.

Remarks: See attached gas sheet for measurements.

WESTERN TESTING CO., INC.
Pressure Data

Date 4-7-75 Test Ticket No. 25301

Recorder No. 2606 Capacity 4150 Location 3950 Ft.

Clock No. 6866 Elevation 1222 Kelly Bushing Well Temperature 128 °F

Point		Pressure	
A	Initial Hydrostatic Mud	2042	P.S.I.
B	First Initial Flow Pressure	42	P.S.I.
C	First Final Flow Pressure	62	P.S.I.
D	Initial Closed-in Pressure	1139	P.S.I.
E	Second Initial Flow Pressure	77	P.S.I.
F	Second Final Flow Pressure	209	P.S.I.
G	Final Closed-in Pressure	1129	P.S.I.
H	Final Hydrostatic Mud	2021	P.S.I.

	Time Given	Time Computed
Open Tool	7:38 A M	
First Flow Pressure	15 Mins.	12 Mins.
Initial Closed-in Pressure	45 Mins.	45 Mins.
Second Flow Pressure	60 Mins.	60 Mins.
Final Closed-in Pressure	60 Mins.	60 Mins.

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	42
P 2 5	44
P 3 10	58
P 4 12	62
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	62
3	697
6	1002
9	1056
12	1081
15	1098
18	1110
21	1117
24	1123
27	1127
30	1132
33	1135
36	1136
39	1137
42	1138
45	1139

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

Point Minutes	Press.
0	77
5	77
10	79
15	89
20	99
25	112
30	129
35	151
40	164
45	180
50	192
55	202
60	209

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

Point Minutes	Press.
0	209
3	755
6	904
9	956
12	999
15	1025
18	1047
21	1060
24	1071
27	1079
30	1085
33	1091
36	1095
39	1100
42	1106
45	1112
48	1117
51	1121
54	1124
57	1126
60	1129

Phone 316 262-5861
316 838-0601

WESTERN TESTERS

P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date 4-7-75 Ticket 25301 Company Amax Petroleum Corporation

Well Name and No. Birkhole #3 Dst No. 1 Interval Tested 3936'-3958'

County Sumner State Kansas Sec. 35 Twp. 32S Rg. 4W

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						
Gas to surface in preflow in 15 minutes, no measurements were taken.						
SECOND FLOW						
8:45 AM	5 min.	10 lbs.	½" choke			116,000 C.F.P.D.
9:00 AM	15 min.	12 lbs.	½" choke			129,000 C.F.P.D.
9:10 AM	10 min.	8 lbs.	½" choke			101,000 C.F.P.D.
9:20 AM	10 min.	58 lbs.	½" choke			378,000 C.F.P.D.
9:30 AM	10 min.	30 lbs.	½" choke			231,000 C.F.P.D.
9:40 AM	10 min.	35 lbs.	½" choke			260,000 C.F.P.D.
Gas to surface in 2 minutes on second flow period. All measurements were taken through a 2" orifice well tester with a ½" choke.						

GAS BOTTLE

Serial No. _____ Date Bottle Filled 4-7-75 Date to be Invoiced 4-7-75

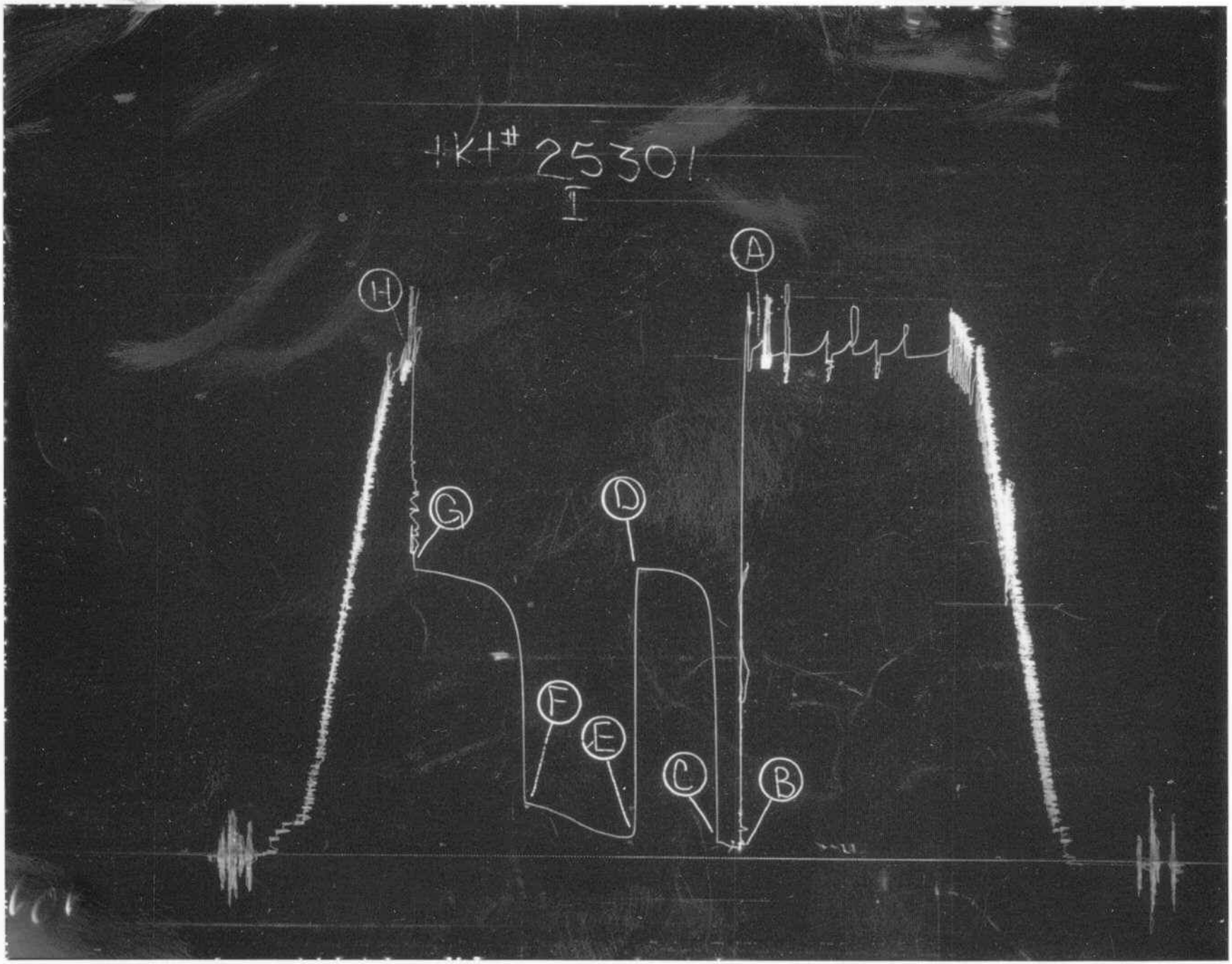
Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By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

Authorized by N. B. Cove

FORM WTC 6


HKH# 25301
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A
H
G
D
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