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

Company Publishers Petroleum Lease & Well No. Mildred Arnold #1

Elevation 1592 Kelly Bushing Formation Kansas City Effective Pay - Ft. Ticket No. 24769

Date 6-6-77 Sec. 35 Twp. 27S Range 8W County Kingman State Kansas

Test Approved by Darrell D. Western Representative Max Knipe

Formation Test No. 1 O.K. X Misrun - Interval Tested From 3598' to 3613' Total Depth 3613'

Size Main Hole 77/8 Rat Hole - Conv. - B.T. X Damaged - Yes X No Conv. - B.T. X Damaged - Yes X No

Top Packer Depth 3593 Ft. Size 6 3/4 Bottom Packer Depth 3598 Ft. Size 6 3/4

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

Tool Size 5½ OD Tool Joint Size 4½ FH Anchor Length 15 Ft. Size 5½ OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3605 Ft. Clock No. 6861 Depth 3608 Ft. Clock No. 6892

Top Make Kuster Cap. 4300 No. 1567 ~~Inside~~ Outside Bottom Make Kuster Cap. 4250 No. 1051 ~~Inside~~ Outside

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

Time Set Packer 1:21 PM

Tool Open I.F.P. From 1:25 PM. to 1:45 PM. - Hr. 20 Min. From (B) 37 P.S.I. To (C) 37 P.S.I.

Tool Closed I.C.I.P. From 1:45PM. to 2:45 PM. 1 Hr. - Min (D) 1241 P.S.I.

Tool Open F.F.P. From 2:45 PM. to 3:45 PM. 1 Hr. - Min. From (E) 71 P.S.I. To (F) 75 P.S.I.

Tool Closed F.C.I.P. From 3:45PM. to 4:45 PM. 1 Hr. - Min. (G) 1161 P.S.I.

Initial Hydrostatic Pressure (A) 1769 P.S.I. Final Hydrostatic Pressure (H) 1733 P.S.I. Maximum Temp. 114

INFORMATION

BLOW Weak blow increasing to a strong blow throughout test.

Did Well Flow - Yes X No Recovery Total Ft. 1525' gas in pipe; 50' muddy gassy oil, 61' muddy gassy water.

Reversed Out - Yes X No Mud Type drispac Viscosity 58 Weight 9.1 Water Loss 12.8 cc. Chlorides 12,000 P.P.M.

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

Dual Packer yes Did Packers Hold? yes Did Tool Plug? - Where? -

DRILLING CONTRACTOR H-30 Drlg. Co. Length Drill Pipe? 2808 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH In.

Length Weight Pipe 770 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4½FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 35 Ft.

Remarks: (TIGHT HOLE) Read outside recorder #1051.

WESTERN TESTING CO., INC.
Pressure Data

Date 6-6-77 Test Ticket No. 24769

Recorder No. 1051 Capacity 4250 Location 3608 Ft.

Clock No. 6892 Elevation 1592 Kelly Bushing Well Temperature 114 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1769 P.S.I.	Open Tool	1:21 PM	
B First Initial Flow Pressure	37 P.S.I.	First Flow Pressure	20 Mins.	20 Mins.
C First Final Flow Pressure	37 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1241 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	71 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	75 P.S.I.			
G Final Closed-in Pressure	1161 P.S.I.			
H Final Hydrostatic Mud	1733 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	37
P 2 5	37
P 3 10	37
P 4 15	37
P 5 20	37
P 6	
P 7	
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

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

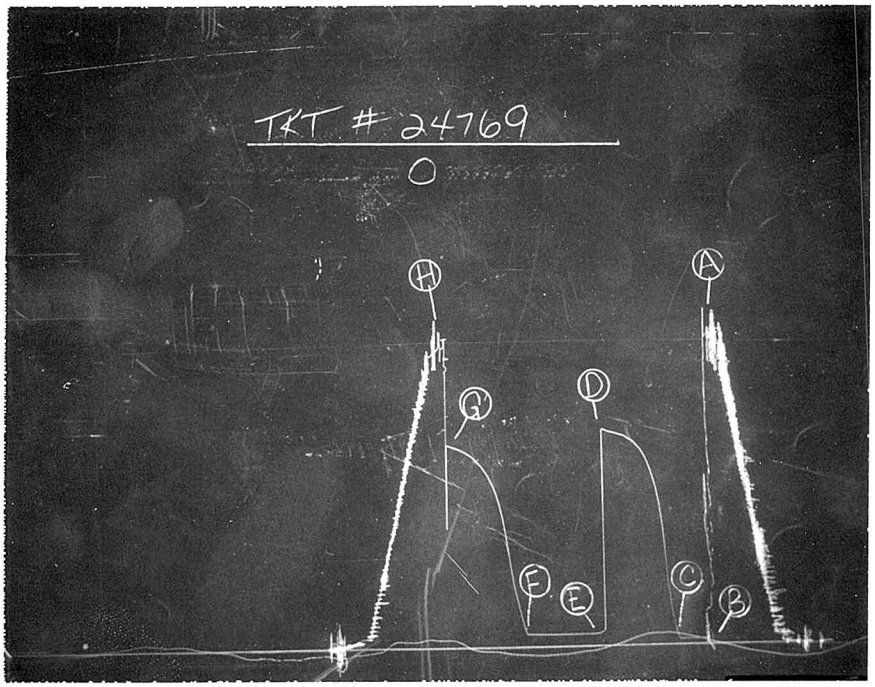
Point Minutes	Press.
0	37
3	95
6	176
9	308
12	468
15	653
18	802
21	908
24	989
27	1049
30	1095
33	1133
36	1154
39	1178
42	1190
45	1203
48	1212
51	1220
54	1227
57	1231
60	1241

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

Point Minutes	Press.
0	71
5	71
10	71
15	71
20	71
25	71
30	71
35	71
40	72
45	72
50	74
55	74
60	75

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

Point Minutes	Press.
0	75
3	135
6	219
9	314
12	433
15	572
18	700
21	800
24	870
27	928
30	974
33	1011
36	1042
39	1068
42	1089
45	1106
48	1121
51	1131
54	1142
57	1150
60	1161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Company Publishers Petroleum Lease & Well No. Mildred Arnold #1

Elevation 1592 Kelly Bushing Formation Lansing-Kansas C. Effective Pay - Ft. Ticket No. 25708

Date 6-7-77 Sec. 35 Twp. 27S Range 8W County Kingman State Kansas

Test Approved by - Western Representative Joe N. Lusk

Formation Test No. 2 O.K. X Misrun - Interval Tested From 3643' to 3665' Total Depth 3665'

Size Main Hole 77/8 Rat Hole - Conv. X B.T. - Damaged - Yes X No Conv. - B.T. X Damaged - Yes X No

Top Packer Depth 3660 Ft. Size 6 3/4 Bottom Packer Depth 3665 Ft. Size 6 3/4

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

Tool Size 5½ OD Tool Joint Size 4½FH Anchor Length 22 Ft. Size 5½ OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3671 Ft. Clock No. 6799 Depth 3673 Ft. Clock No. 6895

Top Make Kuster Cap. 4150 No. 969 ~~Inside~~ Outside Bottom Make Kuster Cap. 4000 No. 3351 ~~Inside~~ Outside

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

Time Set Packer 7:43 A M

Tool Open I.F.P. From 7:45 A M. to 8:05 A M. - Hr. 20 Min. From (B) 37 P.S.I. To (C) 46 P.S.I.

Tool Closed I.C.I.P. From 8:05 A M. to 9:05 A M. 1 Hr. - Min (D) 1322 P.S.I.

Tool Open F.F.P. From 9:05 A M. to 10:05 A M. 1 Hr. - Min. From (E) 59 P.S.I. To (F) 96 P.S.I.

Tool Closed F.C.I.P. From 10:05 M. to 11:05 A M. 1 Hr. - Min. (G) 1280 P.S.I.

Initial Hydrostatic Pressure (A) 1803 P.S.I. Final Hydrostatic Pressure (H) 1732 P.S.I. Maximum Temp. 120

INFORMATION

BLOW Strong blow on initial flow period. Strong blow on final flow period.

Did Well Flow - Yes X No Recovery Total Ft. 180' total fluid. 60' gas cut oil, 120' muddy gassy water, 1625' gas in pipe.

Reversed Out - Yes X No Mud Type premix Viscosity 40 Weight 9.1 Water Loss 12.8 cc. Chlorides 12,000 P.P.M.

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 H-30 Drlg. Inc. Length Drill Pipe? 2851 Ft. I.D. Drill Pipe 2.7 In. Tool Joint Size 4½FH In.

Length Weight Pipe 771 Ft. I.D. Weight Pipe 3.5 In. Tool Joint Size 4½FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 43 Ft.

Remarks: Oil Sample - 20% mud, 7% water, 73% oil.

WESTERN TESTING CO., INC.
Pressure Data

Date 6-7-77 Test Ticket No. 25708

Recorder No. 969 Capacity 4150 Location 3671 Ft.

Clock No. 6799 Elevation 1592 Kelly Bushing Well Temperature 120 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1803	P.S.I.
B	First Initial Flow Pressure	37	P.S.I.
C	First Final Flow Pressure	46	P.S.I.
D	Initial Closed-in Pressure	1322	P.S.I.
E	Second Initial Flow Pressure	59	P.S.I.
F	Second Final Flow Pressure	96	P.S.I.
G	Final Closed-in Pressure	1280	P.S.I.
H	Final Hydrostatic Mud	1732	P.S.I.

	Time Given	Time Computed
Open Tool	7:43 A M	
First Flow Pressure	20 Mins.	20 Mins.
Initial Closed-in Pressure	60 Mins.	60 Mins.
Second Flow Pressure	60 Mins.	60 Mins.
Final Closed-in Pressure	60 Mins.	60 Mins.

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	37
P 2 5	37
P 3 10	38
P 4 15	41
P 5 20	46
P 6	
P 7	
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

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

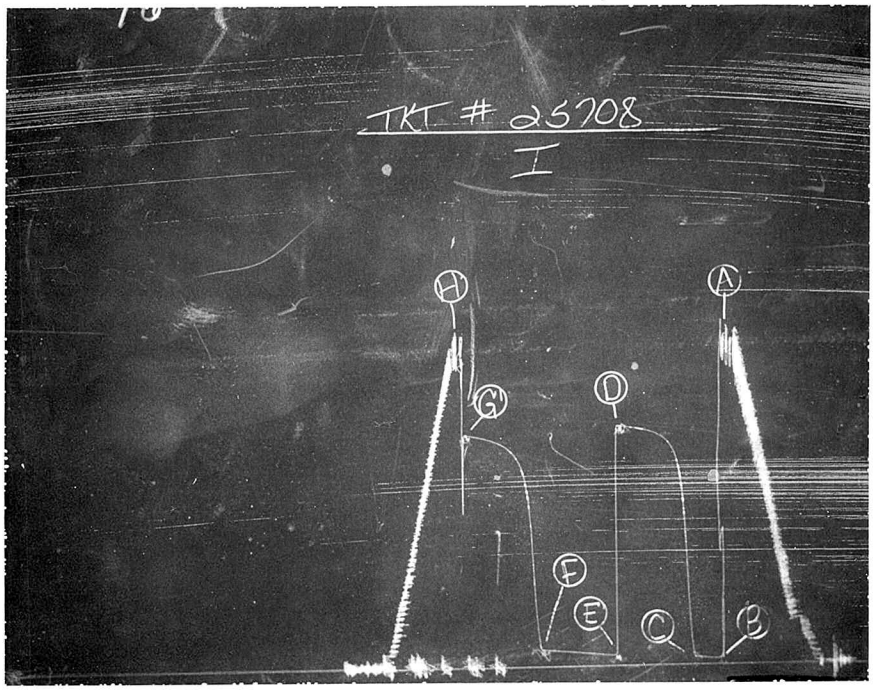
Point Minutes	Press.
0	46
3	223
6	504
9	789
12	1016
15	1137
18	1193
21	1224
24	1247
27	1263
30	1273
33	1284
36	1292
39	1298
42	1302
45	1306
48	1310
51	1314
54	1317
57	1321
60	1322

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

Point Minutes	Press.
0	59
5	61
10	65
15	69
20	72
25	74
30	78
35	82
40	84
45	88
50	90
55	94
60	96

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

Point Minutes	Press.
0	96
3	199
6	432
9	711
12	900
15	1023
18	1103
21	1142
24	1175
27	1195
30	1212
33	1226
36	1236
39	1245
42	1251
45	1259
48	1264
51	1269
54	1273
57	1278
60	1280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Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Publishers Petroleum Lease & Well No. Mildred Arnold #1

Elevation 1592 Kelly Bushing Formation Base - Kansas City Effective Pay - Ft. Ticket No. 24811

Date 6-7-77 Sec. 35 Twp. 27S Range 8W County Kingman State Kansas

Test Approved by - Western Representative Joe N. Lusk

Formation Test No. 3 O.K. X Misrun - Interval Tested From 3696' to 3714' Total Depth 3714'

Size Main Hole 77/8 Rat Hole - Conv. X B.T. - Damaged - Yes X No Conv. - B.T. X Damaged - Yes X No

Top Packer Depth 3691 Ft. Size 6 3/4 Bottom Packer Depth 3696 Ft. Size 6 3/4

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

Tool Size 5½ OD Tool Joint Size 5½ FH Anchor Length 18 Ft. Size 5½ OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3703 Ft. Clock No. 5665 Depth 3706 Ft. Clock No. 6894

Top Make Kuster Cap. 4400 No. 2603 Inside ~~Outside~~ Bottom Make Kuster Cap. 4000 No. 3660 ~~Inside~~ Outside

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

Time Set Packer 8:53 P M

Tool Open I.F.P. From 8:55 PM. to 9:15 PM. - Hr. 20 Min. From (B) 83 P.S.I. To (C) 98 P.S.I.

Tool Closed I.C.I.P. From 9:15PM. to 10:15PM. 1 Hr. - Min (D) 1189 P.S.I.

Tool Open F.F.P. From 10:15PM. to 12:15AM. 2 Hr. - Min. From (E) 186 P.S.I. To (F) 356 P.S.I.

Tool Closed F.C.I.P. From 12:15M. to 1:45A M. 1 Hr. 30 Min. (G) 1166 P.S.I.

Initial Hydrostatic Pressure (A) 1753 P.S.I. Final Hydrostatic Pressure (H) 1738 P.S.I. Maximum Temp. 123

INFORMATION

BLOW Weak to fair blow in initial flow period. Fair blow decreasing on final flow period.

Did Well Flow - Yes X No Recovery Total Ft. 800' total recovery; 568' oil, 62' heavy oil cut mud, 60' slightly oil cut mud, 120' water , all fluid gas cut.

Reversed Out - Yes X No Mud Type premix Viscosity 50 Weight 9.1 Water Loss 13.6 cc. Chlorides 13,500 P.P.M.

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

Dual Packer - Did Packers Hold? yes Did Tool Plug? no Where? -

DRILLING CONTRACTOR H-30, Inc. Length Drill Pipe? 2904 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH In.

Length Weight Pipe 771 Ft. I.D. Weight Pipe 2.8 In. Tool Joint Size 4½FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 39 Ft.

Remarks: 2914' gas in pipe. Chlorides - 100,000 P.P.M.

WESTERN TESTING CO., INC.
Pressure Data

Date 6-7-77 Test Ticket No. 24811

Recorder No. 2603 Capacity 4400 Location 3703 Ft.

Clock No. 5665 Elevation 1592 Kelly Bushing Well Temperature 123 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1753	P.S.I.	Open Tool	8:53 PM	
B	First Initial Flow Pressure	83	P.S.I.	First Flow Pressure	20 Mins.	20 Mins.
C	First Final Flow Pressure	98	P.S.I.	Initial Closed-in Pressure	60 Mins.	51 Mins.
D	Initial Closed-in Pressure	1189	P.S.I.	Second Flow Pressure	120 Mins.	120 Mins.
E	Second Initial Flow Pressure	156	P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F	Second Final Flow Pressure	356	P.S.I.			
G	Final Closed-in Pressure	1166	P.S.I.			
H	Final Hydrostatic Mud	1738	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	83
P 2 5	83
P 3 10	83
P 4 15	85
P 5 20	98
P 6	
P 7	
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 16 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	98
3	464
6	854
9	1011
12	1078
15	1107
18	1129
21	1144
24	1155
27	1164
30	1169
33	1174
36	1178
39	1180
42	1182
45	1185
48	1186
51	1189

Second Flow Pressure
Breakdown: 24 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	156
5	152
10	152
15	158
20	172
25	183
30	198
35	210
40	219
45	234
50	243
55	254
60	263
65	272
70	281
75	290
80	297
85	308
90	314
95	319
100	323

Final Shut-In
Breakdown: 30 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	356
3	689
6	885
9	971
12	1016
15	1044
18	1064
21	1080
24	1093
27	1102
30	1109
33	1115
36	1122
39	1127
42	1133
45	1138
48	1140
51	1142
54	1147
57	1149
60	1151

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WESTERN TESTING CO., INC.
Pressure Data

Date 6-7-77 Test Ticket No. 24811

Recorder No. 2603 Capacity 4400 Location 3703 Ft.

Clock No. 5665 Elevation 1592 Kelly Bushing Well Temperature 123 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1753	P.S.I.	Open Tool	8:53 PM	
B	First Initial Flow Pressure	83	P.S.I.	First Flow Pressure	20 Mins.	20 Mins.
C	First Final Flow Pressure	98	P.S.I.	Initial Closed-in Pressure	60 Mins.	51 Mins.
D	Initial Closed-in Pressure	1189	P.S.I.	Second Flow Pressure	120 Mins.	120 Mins.
E	Second Initial Flow Pressure	156	P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F	Second Final Flow Pressure	356	P.S.I.			
G	Final Closed-in Pressure	1166	P.S.I.			
H	Final Hydrostatic Mud	1738	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	
P 2	
P 3	
P 4	
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: 16 Inc.
of 3 mins. and a
final inc. of 0 Min.

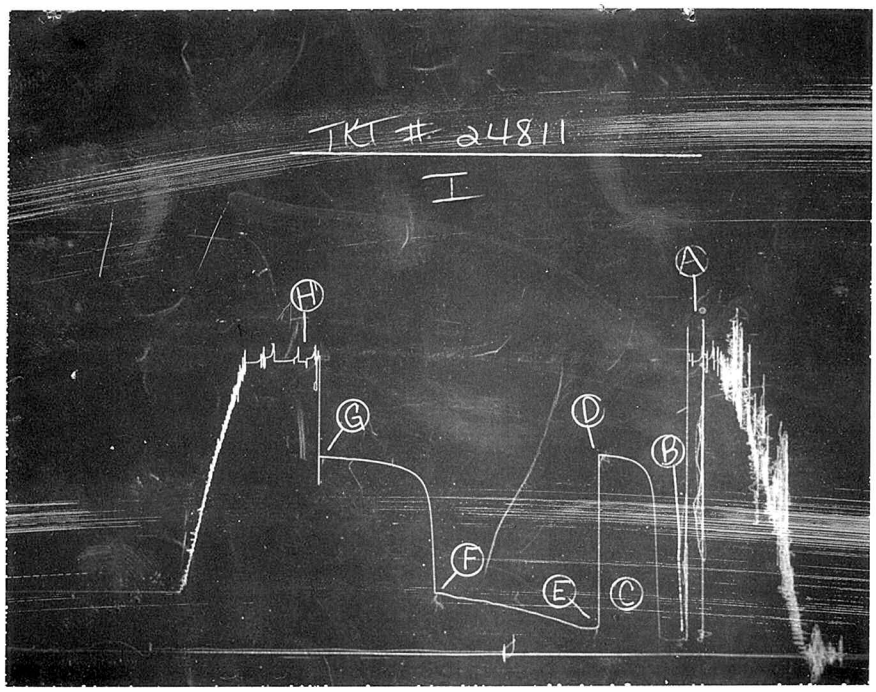
Point Minutes	Press.

Second Flow Pressure
Breakdown: 24 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
105	330
110	335
115	346
120	356

Final Shut-In
Breakdown: 30 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
63	1153
66	1154
69	1153
72	1158
75	1160
78	1162
81	1164
84	1165
87	1165
90	1166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WESTERN TESTERS

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

Company Publishers Petroleum Lease & Well No. Mildred Arnold #1

Elevation 1592 Kelly Bushing Formation - Effective Pay - Ft. Ticket No. 24812

Date 6-9-77 Sec. 35 Twp. 27S Range 8W County Kingman State Kansas

Test Approved by - Western Representative Joe N. Lusk

Formation Test No. 4 O.K. - Misrun X Interval Tested From 3971' to 3980' Total Depth 3980'

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

Top Packer Depth 3966 Ft. Size 6 3/4 Bottom Packer Depth 3971 Ft. Size 6 3/4

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

Tool Size 5½ OD Tool Joint Size 4½ FH Anchor Length 9 Ft. Size 5½ OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3977 Ft. Clock No. 5665 Depth 3980 Ft. Clock No. 6894

Top Make Kuster Cap. 4400 No. 2603 Inside ~~Outside~~ Bottom Make Kuster Cap. 4000 No. 3660 ~~Inside~~ Outside

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

Time Set Packer - M

Tool Open I.F.P. From - M. to - M. - Hr. - Min. From (B) - P.S.I. To (C) - P.S.I.

Tool Closed I.C.I.P. From - M. to - M. - Hr. - Min (D) - P.S.I.

Tool Open F.F.P. From - M. to - M. - Hr. - Min. From (E) - P.S.I. To (F) - P.S.I.

Tool Closed F.C.I.P. From - M. to - M. - Hr. - Min. (G) - P.S.I.

Initial Hydrostatic Pressure (A) - P.S.I. Final Hydrostatic Pressure (H) - P.S.I. Maximum Temp. -

INFORMATION

BLOW Misrun

Did Well Flow - Yes - No Recovery Total Ft. -

Reversed Out - Yes - No Mud Type premix Viscosity 43 Weight 8.7 Water Loss 14.6 cc. Chlorides 20,000 p.p.m.

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

Dual Packer - Did Packers Hold? - Did Tool Plug? - Where? -

DRILLING CONTRACTOR H-30, Inc. Length Drill Pipe? 3179 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH In.

Length Weight Pipe 771 Ft. I.D. Weight Pipe 2.8 In. Tool Joint Size 4½FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 30 Ft.

Remarks: Could not get to test depth. (10 stands)


Ticket # 24812
I

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

Company Publishers Petroleum Lease & Well No. Mildred Arnold #1

Elevation 1592 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 24813

Date 6-9-77 Sec. 35 Twp. 27S Range 8W County Kingman State Kansas

Test Approved by - Western Representative Joe N. Lusk

Formation Test No. 5 O.K. X Misrun - Interval Tested From 3971' to 3980' Total Depth 3980'

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 3966 Ft. Size 6 3/4 Bottom Packer Depth 3971 Ft. Size 6 3/4

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

Tool Size 5½ OD Tool Joint Size 4½ FH Anchor Length 9 Ft. Size 5½ OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3977 Ft. Clock No. 5665 Depth 3980 Ft. Clock No. 6894

Top Make Kuster Cap. 4400 No. 2603 Inside ~~Outside~~ Bottom Make Kuster Cap. 4000 No. 3660 ~~Inside~~ Outside

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

Time Set Packer 4:20 P M

Tool Open I.F.P. From 4:22 P.M. to 4:42 P.M. - Hr. 20 Min. From (B) 65 P.S.I. To (C) 91 P.S.I.

Tool Closed I.C.I.P. From 4:42 M. to 5:42 P.M. 1 Hr. - Min (D) 1384 P.S.I.

Tool Open F.F.P. From 5:42 M. to 6:42 P.M. 1 Hr. - Min. From (E) 120 P.S.I. To (F) 196 P.S.I.

Tool Closed F.C.I.P. From 6:42 M. to 8:12 P.M. 1 Hr. 30 Min. (G) 1284 P.S.I.

Initial Hydrostatic Pressure (A) 1851 P.S.I. Final Hydrostatic Pressure (H) 1793 P.S.I. Maximum Temp. 125

INFORMATION

BLOW Strong blow throughout test. Gas to surface in 11 minutes on initial flow period. See Attached sheet for gas measurements.

Did Well Flow - Yes X No Recovery Total Ft. 465' total fluid. 60' mud, 405' water.

Reversed Out - Yes X No Mud Type premix Viscosity 46 Weight 8.9 Water Loss 14.8 cc. Chlorides 16,000 P.P.M.

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

Dual Packer - Did Packers Hold? yes Did Tool Plug? no Where? -

DRILLING CONTRACTOR H-30, Inc. Length Drill Pipe? 3179 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH In.

Length Weight Pipe 771 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4½FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 30 Ft.

Remarks: Chlorides check - (top) - mud
" " - (middle) - 75,000 P.P.M.
" " - (bottom) - 118,000 P.P.M.

WESTERN TESTING CO., INC.
Pressure Data

Date 6-9-77 Test Ticket No. 24813

Recorder No. 2603 Capacity 4400 Location 3977 Ft.

Clock No. 5665 Elevation 1592 Kelly Bushing Well Temperature 125 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1851 P.S.I.	Open Tool	4:20 PM	
B First Initial Flow Pressure	65 P.S.I.	First Flow Pressure	20 Mins.	20 Mins.
C First Final Flow Pressure	91 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1384 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	120 P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F Second Final Flow Pressure	196 P.S.I.			
G Final Closed-in Pressure	1284 P.S.I.			
H Final Hydrostatic Mud	1793 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	65
P 2 5	60
P 3 10	71
P 4 15	85
P 5 20	91
P 6	
P 7	
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

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

Point Minutes	Press.
0	91
3	820
6	1122
9	1237
12	1280
15	1306
18	1322
21	1333
24	1341
27	1347
30	1353
33	1358
36	1362
39	1365
42	1367
45	1372
48	1375
51	1377
54	1378
57	1383
60	1384

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

Point Minutes	Press.
0	120
5	123
10	125
15	134
20	139
25	149
30	156
35	164
40	173
45	178
50	186
55	194
60	196

Final Shut-In
Breakdown: 30 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	196
3	783
6	938
9	1009
12	1053
15	1082
18	1101
21	1119
24	1135
27	1148
30	1161
33	1171
36	1182
39	1191
42	1199
45	1206
48	1213
51	1220
54	1226
57	1233
60	1238

(Con't Next Bage)

WESTERN TESTING CO., INC.
Pressure Data

Date 6-9-77 Test Ticket No. 24813

Recorder No. 2603 Capacity 4400 Location 3977 Ft.

Clock No. 5665 Elevation 1592 Kelly Bushing Well Temperature 125 °F

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

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: Inc.		Breakdown: Inc.		Breakdown: Inc.		Breakdown: 30 Inc.	
of mins. and a		of mins. and a		of mins. and a		of 3 mins. and a	
final inc. of Min.		final inc. of Min.		final inc. of Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	1244
P 2						66	1249
P 3						69	1255
P 4						72	1260
P 5						75	1264
P 6						78	1269
P 7						81	1271
P 8						84	1276
P 9						87	1280
P10						90	1284
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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

GAS FLOW REPORT

Date 6-9-77 Ticket 24813 Company Publishers Petroleum

Well Name and No. Mildred Arnold #1 Dst No. 5 Interval Tested 3971' - 3980'

County Kingman State Kansas Sec. 35 Twp. 27S Rg. 8W

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						
4:38 PM	5 min.	94 inches	of water		¼" choke	16,300 C.F.P.D.
4:39 PM	6 min.	78 inches	of water		½" choke	55,300 C.F.P.D.
4:40 PM	7 min.	84 inches	of water		½" choke	57,400 C.F.P.D.
SECOND FLOW						
5:47 PM	5 min.	70 inches	of water		3/4"choke	119,000 C.F.P.D.
5:52 PM	10 min.	46 inches	of water		3/4"choke	96,300 C.F.P.D.
5:57 PM	15 min.	44 inches	of water		3/4"choke	94,100 C.F.P.D.
6:02 PM	20 min.	44 inches	of water		3/4"choke	94,100 C.F.P.D.
6:12 PM	30 min.	42 inches	of water		3/4"choke	92,000 C.F.P.D.
6:27 PM	45 min.	40 inches	of water		3/4"choke	89,800 C.F.P.D.
6:42 PM	60 min.	36 inches	of water		3/4"choke	85,200 C.F.P.D.

GAS BOTTLE

Serial No. 633 Date Bottle Filled 6-9-77 Date to be Invoiced 6-9-77

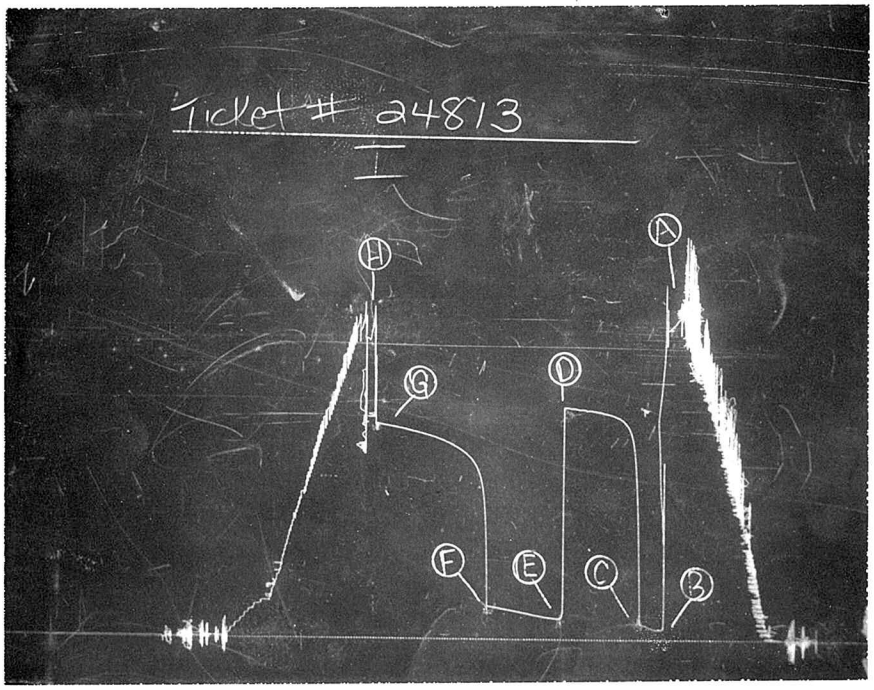
Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By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

Authorized by -

FORM WTC 6


Ticket # 24813
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