Company Aspen Oil, Inc. Lease & Well No. Schumacher #1

Elevation 1904 Kelly Bushing Formation Lansing Effective Pay - Ft. Ticket No. 9653

Date 1/16/81 Sec. 25 Twp. 20S Range 14W County Barton State Kansas

Test Approved by John D Woodral Western Representative Dan Delaney

Formation Test No. 1 Interval Tested from 3275 ft. to 3316 ft. Total Depth 3316 ft.

Packer Depth 3275 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3270 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3298 ft. Recorder Number 6234 Cap. 4500

Bottom Recorder Depth (Outside) 3301 ft. Recorder Number 4339 Cap. 4300

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Aspen Rig #1 Drill Collar Length 300 I. D. 2.2 in.

Mud Type Salt Gel-Starch Viscosity 40 Weight Pipe Length - I. D. - in.

Weight 9.7 Water Loss 13.0 cc. Drill Pipe Length 2948 I. D. 2.7 in.

Chlorides - P.P.M. Test Tool Length 27 ft. Tool Size 4½ in.

Jars: Make WTC Serial Number 417 Anchor Length 41 ft. Size 5½ in.

Did Well Flow? No Reversed Out No Surface Choke Size ½ in. Bottom Choke Size ½ in.

Main Hole Size 7 7/8 in. Tool Joint Size 3½ IF in.

Blow: Weak blow building to a fair blow initial flow period. Fair blow throughout final flow period.

Recovered 80 ft. of mud with oil specks in tool

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 8:00 ~~A.M.~~ P.M. Time Started Off Bottom 11:00 ~~A.M.~~ P.M. Maximum Temperature 103

Initial Hydrostatic Pressure			(A)	1738	P.S.I.	
Initial Flow Period	Minutes	30	(B)	92 P.S.I. to (C)	91	P.S.I.
Initial Closed In Period	Minutes	57	(D)	992	P.S.I.	
Final Flow Period	Minutes	30	(E)	112 P.S.I. to (F)	107	P.S.I.
Final Closed In Period	Minutes	60	(G)	975	P.S.I.	
Final Hydrostatic Pressure			(H)	1731	P.S.I.	

WESTERN TESTING CO., INC.
Pressure Data

Date 1/16/81 Test Ticket No. 9653

Recorder No. 6234 Capacity 4500 Location 3298 Ft.

Clock No. - Elevation 1904 Kelly Bushing Well Temperature 103 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1738 P.S.I.	Open Tool	8:00P M	
B First Initial Flow Pressure	92 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	91 P.S.I.	Initial Closed-in Pressure	60 Mins.	57 Mins.
D Initial Closed-in Pressure	992 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	112 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	107 P.S.I.			
G Final Closed-in Pressure	975 P.S.I.			
H Final Hydrostatic Mud	1731 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	92
P 2 5	80
P 3 10	83
P 4 15	85
P 5 20	87
P 6 25	91
P 7 30	91
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

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

Point Minutes	Press.
0	91
3	190
6	472
9	667
12	759
15	813
18	854
21	883
24	903
27	923
30	935
33	946
36	955
39	964
42	968
45	975
48	980
51	984
54	989
57	992

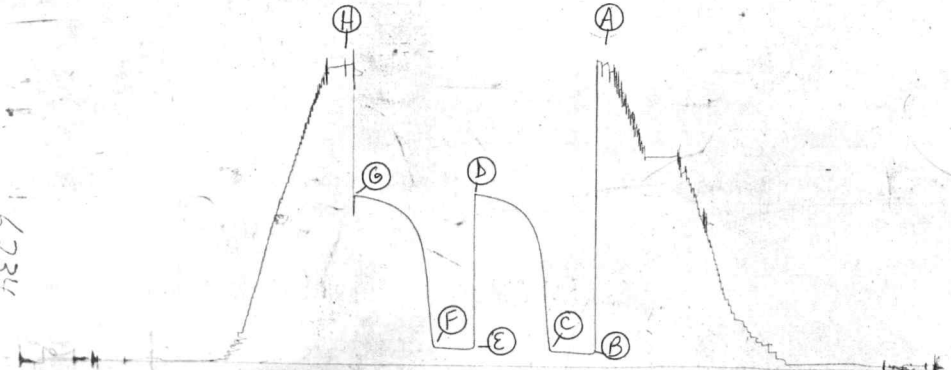
Second Flow Pressure
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	112
5	99
10	100
15	102
20	103
25	106
30	107

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

Point Minutes	Press.
0	107
3	280
6	529
9	676
12	759
15	804
18	842
21	865
24	885
27	903
30	917
33	928
36	937
39	944
42	950
45	957
48	962
51	968
54	972
57	974
60	975

IKT #9653



Company Aspen Oil, Inc. Lease & Well No. Schumacher #1

Elevation 1904 Kelly Bushing Formation Arbuckle Effective Pay - Ft. Ticket No. 9654

Date 1/17/81 Sec. 25 Twp. 20S Range 14W County Barton State Kansas

Test Approved by David J Goldak Western Representative Dan Delaney

Formation Test No. 2 Interval Tested from 3509 ft. to 3550 ft. Total Depth 3550 ft.

Packer Depth 3509 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3504 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3527 ft. Recorder Number 6234 Cap. 4500

Bottom Recorder Depth (Outside) 3530 ft. Recorder Number 4339 Cap. 4300

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Aspen Rig #1 Drill Collar Length 300 I. D. 2.2 in.

Mud Type Salt Gel-Starch Viscosity 37 Weight Pipe Length - I. D. - in.

Weight 9.9 Water Loss 22.5 cc. Drill Pipe Length 3182 I. D. 2.7 in.

Chlorides 82,000 P.P.M. Test Tool Length 27 ft. Tool Size 4½ in.

Jars: Make WTC Serial Number 417 Anchor Length 41 ft. Size 5½ in.

Did Well Flow? No Reversed Out No Surface Choke Size ½ in. Bottom Choke Size ½ in.

Main Hole Size 7 7/8 in. Tool Joint Size 3½IF in.

Blow: Good blow decreasing to a fair blow initial flow period. Very weak blow died in 10 minutes on final flow period.

Recovered 125 ft. of mud with oil specks in tool - trace of gas at tool

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Slid tool 10 ft. to bottom.

Time Set Packer(s) 4:30 A.M. P.M. Time Started Off Bottom 7:30 A.M. P.M. Maximum Temperature 106

Initial Hydrostatic Pressure (A) 1828 P.S.I.

Initial Flow Period Minutes 30 (B) 103 P.S.I. to (C) 105 P.S.I.

Initial Closed In Period Minutes 57 (D) 326 P.S.I.

Final Flow Period Minutes 30 (E) 117 P.S.I. to (F) 107 P.S.I.

Final Closed In Period Minutes 57 (G) 239 P.S.I.

Final Hydrostatic Pressure (H) 1814 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 1/17/81 Test Ticket No. 9654

Recorder No. 6234 Capacity 4500 Location 3527 Ft.

Clock No. - Elevation 1904 Kelly Bushing Well Temperature 106 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1828 P.S.I.	Open Tool	4:30P M	
B First Initial Flow Pressure	103 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	105 P.S.I.	Initial Closed-in Pressure	60 Mins.	57 Mins.
D Initial Closed-in Pressure	326 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	117 P.S.I.	Final Closed-in Pressure	60 Mins.	57 Mins.
F Second Final Flow Pressure	107 P.S.I.			
G Final Closed-in Pressure	239 P.S.I.			
H Final Hydrostatic Mud	1814 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	103
P 2 5	102
P 3 10	102
P 4 15	102
P 5 20	103
P 6 25	104
P 7 30	105
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

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

Point Minutes	Press.
0	105
3	119
6	138
9	156
12	170
15	186
18	197
21	213
24	225
27	236
30	245
33	259
36	268
39	278
42	287
45	294
48	305
51	312
54	319
57	326

Second Flow Pressure
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

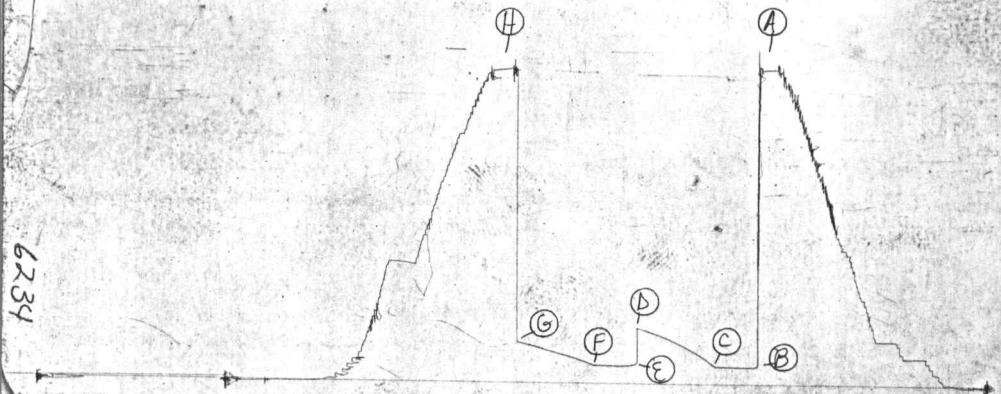
Point Minutes	Press.
0	117
5	108
10	106
15	106
20	107
25	107
30	107

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

Point Minutes	Press.
0	107
3	115
6	122
9	133
12	140
15	149
18	156
21	163
24	170
27	174
30	181
33	188
36	195
39	202
42	209
45	218
48	221
51	229
54	234
57	239

TKT #9654

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