Ricketts Testing

Company Vawn Loomis Oil Company — Lease & Well No. Agnes Pauly #2

Elevation 1340 K.B. — Formation Kansas City — Effective Pay ____ ft. — Ticket No. 922

Date 5-29-87 — Sec. 34 — Twp. 30 — Range 3W — County Sumner — State Kansas

Test Approved by Bob Gebhart — Ricketts Representative Jim Ricketts

Formation Test No. 1 — Interval Tested from 3366 ft. to 3376 ft. — Total Depth 3376 ft.

Packer Depth 3366 ft. — Size 6 3/4 in. — Packer Depth ____ ft. — Size ____ in.

Packer Depth 3363 ft. — Size 6 3/4 in. — Packer Depth ____ ft. — Size ____ in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 3371 ft. — Recorder Number 13767 — Cap. 4275

Bottom Recorder Depth (Outside) 3374 ft. — Recorder Number 13565 — Cap. 4475

Below Straddle Recorder Depth ____ ft. — Recorder Number ____ — Cap. ____

Drilling Contractor Red Tiger #3 — Drill Collar Length ____ — I.D. ____ in.

Mud Type Starch — Viscosity 40 — Weight Pipe Length 1225 — I.D. 3.00 in.

Weight 9.4 — Water Loss 10.6 cc. — Drill Pipe Length 2121 — I.D. 3.25 in.

Chlorides 33,000 P.P.M. — Test Tool Length 20 ft. — Tool Size 5½ in.

Jars: Make --- — Serial Number ____ — Anchor Length 10 ft. — Size 5½ in.

Did Well Flow? No — Reversed Out No — Surface Choke Size 3/4 in. — Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. — Tool Joint Size 4½xh in.

Blow: Weak blow Initial Flow Period. 1" in water.

No blow Final Flow Period. Flushed tool, then very weak blow for 45 minutes.

Recovered 70 ft. of Mud cut water with a trace of oil.

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Remarks: DST Fluid Chlorides 100,000 PPM

Time Set Packer (s) 5:29 ~~A~~XX P.M. — Time Started Off Bottom 8:15 XXX P.M. — Maximum Temperature 110°

Initial Hydrostatic Pressure ..... (A) 1758 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 38 P.S.I. to (C) 52 P.S.I.

Initial Closed In Period ..... Minutes 42 (D) 1209 P.S.I.

Final Flow Period ..... Minutes 45 (E) 58 P.S.I. to (F) 73 P.S.I.

Final Closed In Period ..... Minutes 42 (G) 1197 P.S.I.

Final Hydrostatic Pressure ..... (H) 1747 P.S.I.

RICKETTS TESTING
Pressure Data

Date 5-29-87 Test Ticket No. 922

Recorder No. 13767 Capacity 4275 Location 3371 Ft.

Clock No. Elevation 1340 K.B. Well Temperature 110 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1758	P.S.I.
B	First Initial Flow Pressure	38	P.S.I.
C	First Final Flow Pressure	52	P.S.I.
D	Initial Closed-in Pressure	1209	P.S.I.
E	Second Initial Flow Pressure	58	P.S.I.
F	Second Final Flow Pressure	73	P.S.I.
G	Final Closed-in Pressure	1197	P.S.I.
H	Final Hydrostatic Mud	1747	P.S.I.

	Time Given	Time Computed
Open Tool	5:29 P M.	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	45 Mins.	42 Mins.
Second Flow Pressure	45 Mins.	45 Mins.
Final Closed-in Pressure	45 Mins.	42 Mins.

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of ____ Min.

Point Mins.	Press.
P 1 0	38
P 2 5	38
P 3 10	38
P 4 15	41
P 5 20	45
P 6 25	48
P 7 30	52
P 8 35	
P 9 40	
P10 45	
P11 50	
P12 55	
P13 60	
P14 65	
P15 70	
P16 75	
P17 80	
P18 85	
P19 90	
P20 95	

Initial Shut-In
Breakdown: 14 Inc.
of 3 mins. and a
final inc. of ____ Min.

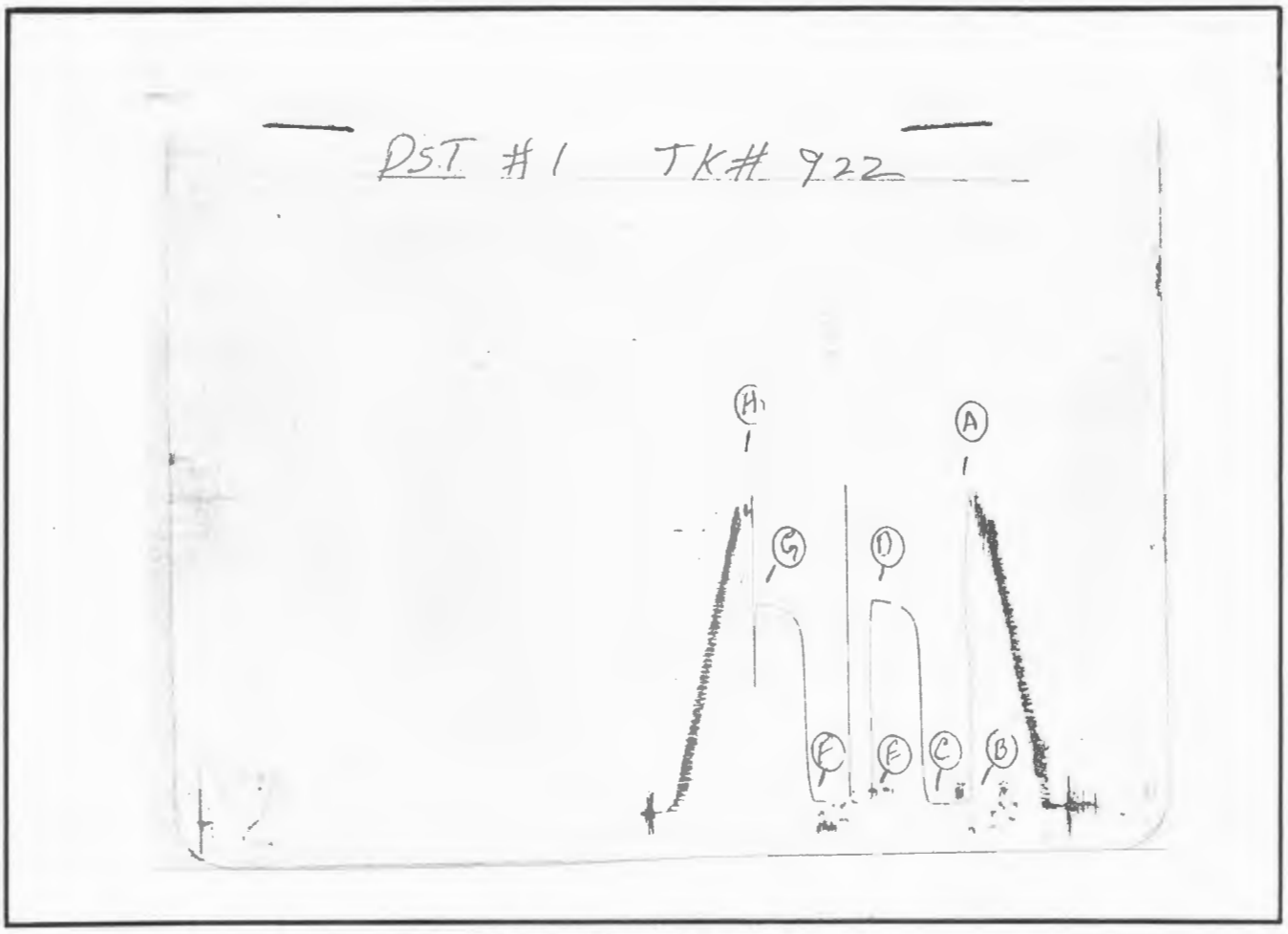
Point Minutes	Press.
0	52
3	81
6	561
9	1038
12	1105
15	1138
18	1155
21	1169
24	1180
27	1189
30	1194
33	1200
36	1205
39	1208
42	1209
45	
48	
51	
54	
57	
60	

Second Flow Pressure
Breakdown: 10 Inc.
of 5 mins. and a
final inc. of ____ Min.

Point Minutes	Press.
0	58
5	58
10	58
15	58
20	flushed tool
25	72
30	72
35	72
40	72
45	73
50	
55	
60	
65	
70	
75	
80	
85	
90	

Final Shut-In
Breakdown: 14 Inc.
of 3 mins. and a
final inc. of ____ Min.

Point Minutes	Press.
0	73
3	120
6	402
9	1047
12	1102
15	1127
18	1147
21	1161
24	1172
27	1179
30	1185
33	1189
36	1192
39	1195
42	1197
45	
48	
51	
54	
57	
60	



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1754	1758	PSI
(B)	First Initial Flow Pressure	31	38	PSI
(C)	First Final Flow Pressure	42	52	PSI
(D)	Initial Closed-in Pressure	1208	1209	PSI
(E)	Second Initial Flow Pressure	52	58	PSI
(F)	Second Final Flow Pressure	63	73	PSI
(G)	Final Closed-in Pressure	1197	1197	PSI
(H)	Final Hydrostatic Mud	1743	1747	PSI