

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name SCHMEIDLER #1 Test No. 1 Date 1/8/95
Company DOWNING/NELSON OIL CO Zone KC
Address BOX 372, HAYS, KS 67601 Elevation 2055
Co. Rep./Geo. RON NELSON Cont. EMPHASIS #8 Est. Ft. of Pay _____
Location: Sec. 2 Twp. 13S Rge. 17W Co. ELLIS State KS

Interval Tested 3327-3385 Drill Pipe Size 4.5" XH
Anchor Length 58 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 3322 Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth 3327 Mud Wt. 8.8 lb/Gal.
Total Depth 3385 Viscosity 36 Filtrate 12

Tool Open @ 2:20AM Initial Blow WEAK, DIED IN 14 MINUTES.

Final Blow NO BLOW - FLUSHED TOOL - NO HELP.

Recovery - Total Feet 5 Flush Tool? YES

Rec. 5 Feet of DRILLING MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 104 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 6,000 ppm System

(A) Initial Hydrostatic Mud 1619.6 PSI AK1 Recorder No. 13849 Range 4375

(B) First Initial Flow Pressure 24.4 PSI @ (depth) 3381 w / Clock No. 27501

(C) First Final Flow Pressure 24.4 PSI AK1 Recorder No. ELEC 2342 Range _____

(D) Initial Shut-in Pressure 24.4 PSI @ (depth) 3331 w / Clock No. _____

(E) Second Initial Flow Pressure 0.0 PSI AK1 Recorder No. _____ Range _____

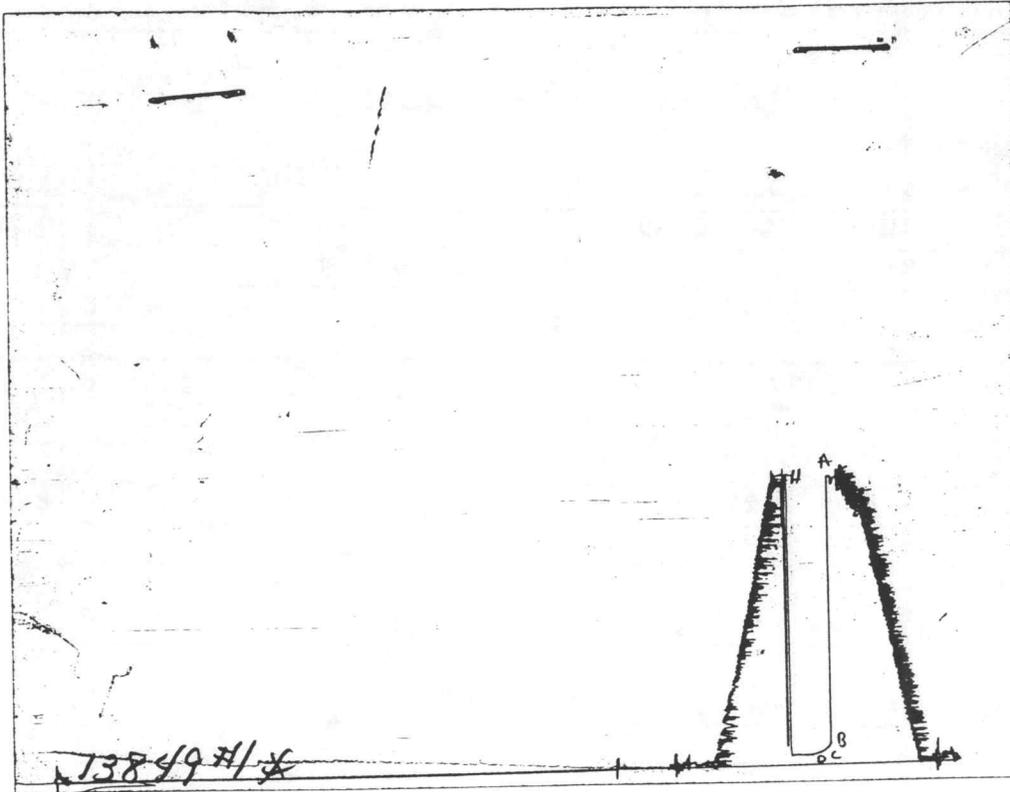
(F) Second Final Flow Pressure 0.0 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 0.0 PSI Initial Opening 15 Final Flow 5

(H) Final Hydrostatic Mud 1627.2 PSI Initial Shut-in 15 Final Shut-in 0

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of recorder chart

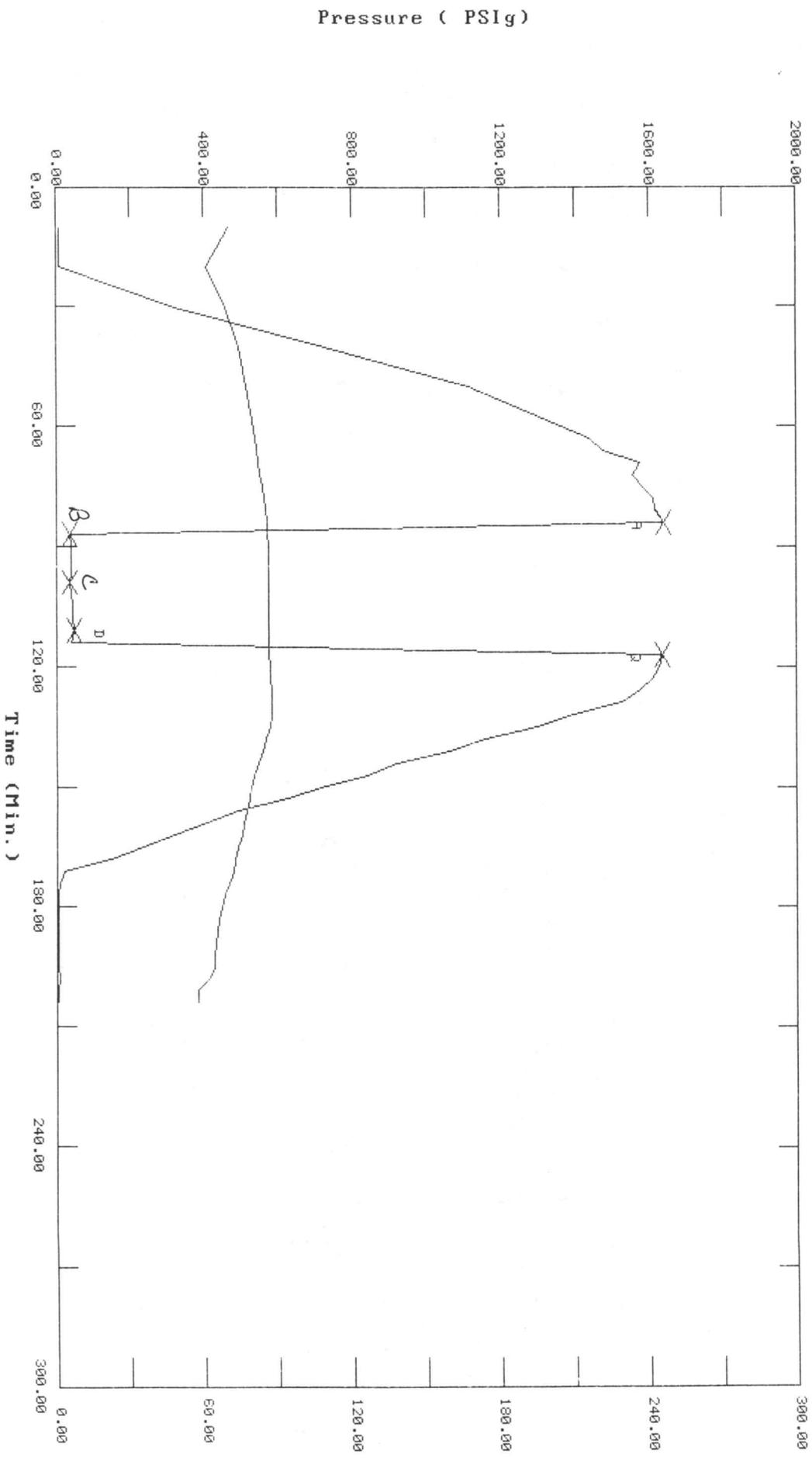
	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1656	1619.6
(B) FIRST INITIAL FLOW PRESSURE	55	24.4
(C) FIRST FINAL FLOW PRESSURE	55	24.4
(D) INITIAL CLOSED-IN PRESSURE	55	24.4
(E) SECOND INITIAL FLOW PRESSURE	0	0
(F) SECOND FINAL FLOW PRESSURE	0	0
(G) FINAL CLOSED-IN PRESSURE	0	0
(H) FINAL HYDROSTATIC MUD	1634	1627.2

TEST HISTORY

nelson/downingoilcoschmidler#1dst#1

Flag Points
 t (Min.) P (PSIG)

A:	0.00	1639.69
B:	0.00	36.08
C:	12.00	36.42
D:	12.00	45.14
Q:	0.00	1638.18



SMPL	DATE	TIME	REL SECONDS	TEMP	PRESS
1	95/01/08	01:12:29	000:10:01	69.8 DEG F	4.78 PSIG
2	95/01/08	01:22:30	000:20:02	61.3 DEG F	4.69 PSIG
3	95/01/08	01:32:31	000:30:03	69.1 DEG F	321.69 PSIG
4	95/01/08	01:42:32	000:40:04	74.3 DEG F	726.30 PSIG
5	95/01/08	01:52:33	000:50:05	77.0 DEG F	1116.32 PSIG
6	95/01/08	02:05:28	001:03:00	80.6 DEG F	1440.86 PSIG
7	95/01/08	02:08:28	001:06:00	81.5 DEG F	1474.94 PSIG
8	95/01/08	02:11:28	001:09:00	82.0 DEG F	1578.09 PSIG
9	95/01/08	02:14:28	001:12:00	82.9 DEG F	1555.68 PSIG
10	95/01/08	02:17:28	001:15:00	83.7 DEG F	1586.14 PSIG
11	95/01/08	02:20:28	001:18:00	84.4 DEG F	1611.15 PSIG
12	95/01/08	02:23:28	001:21:00	85.1 DEG F	1617.03 PSIG
13	95/01/08	02:26:28	001:24:00	85.5 DEG F	1639.69 PSIG A
14	95/01/08	02:29:28	001:27:00	85.8 DEG F	36.08 PSIG B
15	95/01/08	02:32:28	001:30:00	86.0 DEG F	36.50 PSIG
16	95/01/08	02:35:28	001:33:00	86.2 DEG F	36.75 PSIG
17	95/01/08	02:38:28	001:36:00	86.2 DEG F	36.84 PSIG
18	95/01/08	02:41:28	001:39:00	86.2 DEG F	36.42 PSIG C
19	95/01/08	02:44:28	001:42:00	86.2 DEG F	38.18 PSIG
20	95/01/08	02:47:28	001:45:00	86.2 DEG F	40.61 PSIG
21	95/01/08	02:50:28	001:48:00	86.2 DEG F	42.88 PSIG
22	95/01/08	02:53:28	001:51:00	86.4 DEG F	45.14 PSIG D
23	95/01/08	02:56:28	001:54:00	86.4 DEG F	36.75 PSIG
24	95/01/08	02:59:28	001:57:00	86.5 DEG F	1638.18 PSIG E
25	95/01/08	03:02:28	002:00:00	86.7 DEG F	1628.95 PSIG
26	95/01/08	03:05:28	002:03:00	87.1 DEG F	1608.80 PSIG
27	95/01/08	03:08:28	002:06:00	87.3 DEG F	1575.23 PSIG
28	95/01/08	03:11:28	002:09:00	87.6 DEG F	1526.97 PSIG
29	95/01/08	03:14:28	002:12:00	87.4 DEG F	1396.38 PSIG
30	95/01/08	03:17:28	002:15:00	86.7 DEG F	1299.45 PSIG
31	95/01/08	03:20:28	002:18:00	85.3 DEG F	1160.96 PSIG
32	95/01/08	03:23:28	002:21:00	83.7 DEG F	1065.71 PSIG
33	95/01/08	03:26:28	002:24:00	81.9 DEG F	920.26 PSIG
34	95/01/08	03:29:28	002:27:00	80.4 DEG F	839.52 PSIG
35	95/01/08	03:32:28	002:30:00	79.3 DEG F	715.90 PSIG
36	95/01/08	03:35:28	002:33:00	78.4 DEG F	625.51 PSIG
37	95/01/08	03:38:28	002:36:00	77.5 DEG F	490.89 PSIG
38	95/01/08	03:41:28	002:39:00	76.3 DEG F	406.87 PSIG
39	95/01/08	03:44:28	002:42:00	75.4 DEG F	316.90 PSIG
40	95/01/08	03:47:28	002:45:00	73.9 DEG F	234.49 PSIG
41	95/01/08	03:50:28	002:48:00	72.5 DEG F	146.45 PSIG
42	95/01/08	03:53:28	002:51:00	71.6 DEG F	16.78 PSIG
43	95/01/08	03:56:28	002:54:00	70.2 DEG F	4.44 PSIG
44	95/01/08	03:59:28	002:57:00	68.4 DEG F	4.27 PSIG
45	95/01/08	04:02:28	003:00:00	66.9 DEG F	4.02 PSIG
46	95/01/08	04:05:28	003:03:00	65.8 DEG F	4.02 PSIG
47	95/01/08	04:08:28	003:06:00	65.1 DEG F	3.85 PSIG
48	95/01/08	04:11:28	003:09:00	64.6 DEG F	3.85 PSIG
49	95/01/08	04:14:28	003:12:00	64.2 DEG F	3.85 PSIG
50	95/01/08	04:17:28	003:15:00	63.9 DEG F	3.85 PSIG
51	95/01/08	04:20:28	003:18:00	61.7 DEG F	5.78 PSIG
52	95/01/08	04:23:28	003:21:00	57.4 DEG F	4.19 PSIG
53	95/01/08	04:26:28	003:24:00	57.4 DEG F	2.93 PSIG

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name SCHMEIDLER #1 Test No. 2 Date 1/9/95
Company DOWNING/NELSON OIL CO Zone KC
Address BOX 372, HAYS, KS 67601 Elevation 2055
Co. Rep./Geo. RON NELSON Cont. EMPHASIS #8 Est. Ft. of Pay _____
Location: Sec. 2 Twp. 13S Rge. 17W Co. ELLIS State KS

Interval Tested	<u>3434-3523</u>	Drill Pipe Size	<u>4.5" XH</u>
Anchor Length	<u>89</u>	Wt. Pipe I.D. - 2.7 Ft. Run	_____
Top Packer Depth	<u>3434</u>	Drill Collar - 2.25 Ft. Run	_____
Bottom Packer Depth	<u>3523</u>	Mud Wt.	<u>9.1</u> lb/Gal.
Total Depth	<u>3598</u>	Viscosity	<u>42</u> Filtrate <u>11</u>

Tool Open @ 5:06AM Initial Blow WEAK, STEADY SURFACE BLOW.

Final Blow WEAK STEADY SURFACE BLOW.

Recovery - Total Feet 10 Flush Tool? NO

Rec. 10 Feet of DRILLING MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 107 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 8,000 ppm System

(A) Initial Hydrostatic Mud 1736.0 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 47.2 PSI @ (depth) 3438 w / Clock No. 27501

(C) First Final Flow Pressure 47.2 PSI AK1 Recorder No. 13849 Range 4375

(D) Initial Shut-in Pressure 219.5 PSI @ (depth) 3515 w / Clock No. 14100

(E) Second Initial Flow Pressure 41.3 PSI AK1 Recorder No. 7437 Range 4200

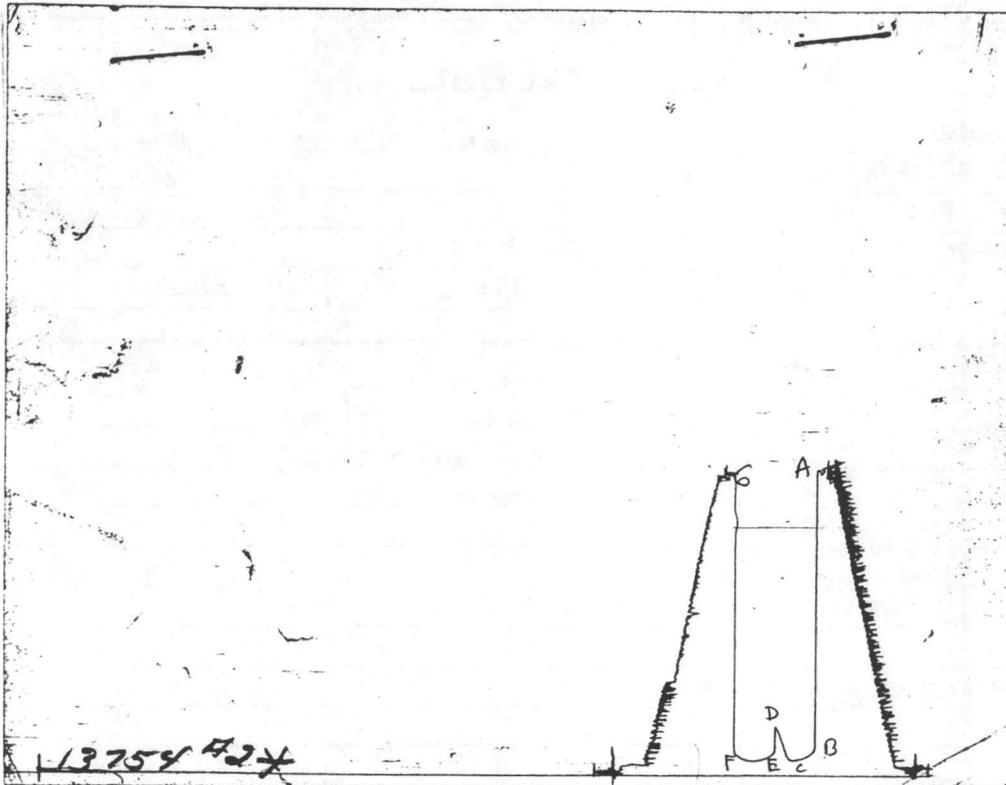
(F) Second Final Flow Pressure 41.3 PSI @ (depth) 3594 w / Clock No. 27567

(G) Final Shut-in Pressure 85.6 PSI Initial Opening 15 Final Flow 15

(H) Final Hydrostatic Mud 1613.0 PSI Initial Shut-in 15 Final Shut-in 15

Our Representative DAN BANGLE

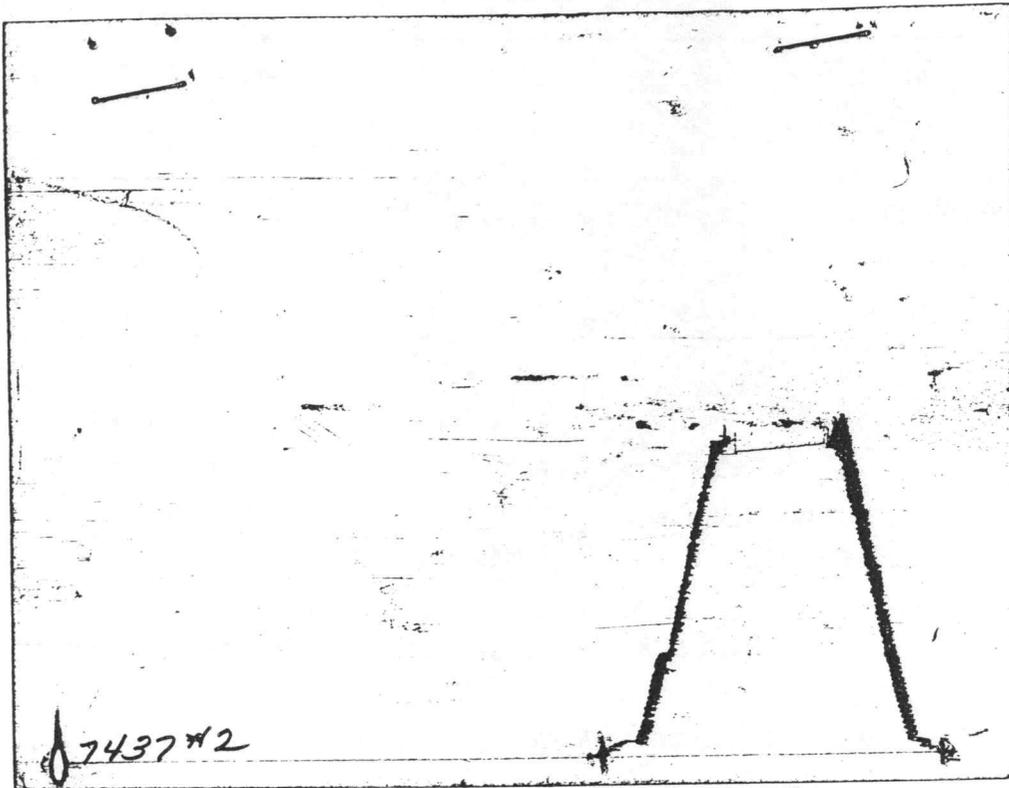
CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1786	1736
(B) FIRST INITIAL FLOW PRESSURE	68	47.2
(C) FIRST FINAL FLOW PRESSURE	68	47.2
(D) INITIAL CLOSED-IN PRESSURE	275	219.5
(E) SECOND INITIAL FLOW PRESSURE	68	41.3
(F) SECOND FINAL FLOW PRESSURE	68	41.3
(G) FINAL CLOSED-IN PRESSURE	127	85.6
(H) FINAL HYDROSTATIC MUD	1686	1613

CHART PAGE



This is an actual photograph of recorder chart

FIELD
READING

OFFICE
READING

- (A) INITIAL HYDROSTATIC MUD
- (B) FIRST INITIAL FLOW PRESSURE
- (C) FIRST FINAL FLOW PRESSURE
- (D) INITIAL CLOSED-IN PRESSURE
- (E) SECOND INITIAL FLOW PRESSURE
- (F) SECOND FINAL FLOW PRESSURE
- (G) FINAL CLOSED-IN PRESSURE
- (H) FINAL HYDROSTATIC MUD