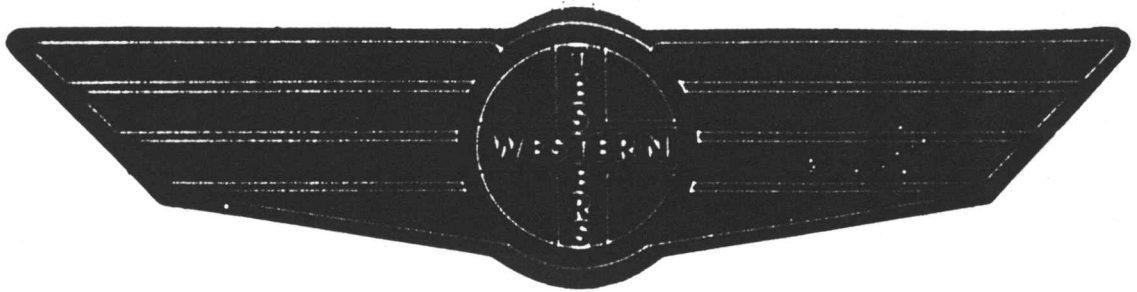


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY

PAN WESTERN PETROLEUM, INC.

LEASE & WELL NO. 1 STANLEY-PICKETT "B" SEC. 13 TWP. 29S RGE. 3E TEST NO. 1 DATE 12/1/86

WESTERN TESTERS INC.
SUBSURFACE PRESSURE SURVEY

DATE : 12-1-86
CUSTOMER : PAN WESTERN PETROLEUM INC.
WELL : #1 TEST: 1
ELEVATION : 1223 KB
SECTION : 13
RANGE : 3E COUNTY : BUTLER
GAUGE SN# : 10970 RANGE : 4100
TICKET : 11340
LEASE : STANLEY-PICKETT 'B'
GEOLOGIST : B. ARD
FORMATION : SIMPSON
TOWNSHIP : 29S
STATE : KANSAS
CLOCK : 12

INTERVAL FROM : 2901 TO : 2921 TOTAL DEPTH : 2921
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 2901 SIZE : 6.75
PACKER DEPTH : 2896 SIZE : 6.75
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : RED TIGER RIG #4
MUD TYPE : CHEMICAL VISCOSITY : 38
WEIGHT : 9.8 WATER LOSS (CC) : 11.2
CHLORIDES (PPM) : 1800
JARS-MAKE : - SERIAL NUMBER :
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 1020 FT I.D. inch : 2.70
DRILL PIPE LENGTH : 1861 FT I.D. inch : 3.80
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 20 FT ANCHOR SIZE : 5.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5 XH

BLOW COMMENT #1 : VERY WEAK BLOW FOR 20 MINUTES.
BLOW COMMENT #2 :
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 2 FT OF: DRILLING MUD.

Total Barrels Fluid = 0.01
Total Fluid Prod Rate = 0.23 BFPD
Indicated Wtr Rate = 0.20 BWPD

REMARK 1 :
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 9:00 AM

TIME STARTED OFF BOTTOM : 12:30 PM

WELL TEMPERATURE : 109

INITIAL HYDROSTATIC PRESSURE

(A) 1545

INITIAL FLOW PERIOD MIN: 45

(B) 38 PSI TO (C) : 38

INITIAL CLOSED IN PERIOD MIN: 60

(D) 38

FINAL FLOW PERIOD MIN: 45

(E) 38 PSI TO (F) : 38

FINAL CLOSED IN PERIOD MIN: 60

(G) 38

FINAL HYDROSTATIC PRESSURE

(H) 1545

WESTERN TESTERS INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : PAN WESTERN PETROLEUM INC.
RIG : BUTLER-KANSAS
FIELD : STANLEY-PICKETT 'B'
WELL : #1
DATE : 12-1-86
GAUGE NO : 10970

OPERATIONAL COMMENTS

COMPANY : PAN WESTERN PETROLEUM INC.
WELL : #1
GAUGE # : 10970
DATE : 1/12/86

FIELD : STANLEY-PICKETT 'B'
JOB # : 11340
DEPTH : 2921
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	9: 0: 0	0.000	38.000	42.78	0.000
2	9: 4: 60	0.083	38.000	42.78	0.000
3	9:10: 1	0.167	38.000	42.78	0.000
4	9:15: 0	0.250	38.000	42.78	0.000
5	9:19:60	0.333	38.000	42.78	0.000
6	9:25: 1	0.417	38.000	42.78	0.000
7	9:30: 0	0.500	38.000	42.78	0.000
8	9:34:60	0.583	38.000	42.78	0.000
9	9:40: 1	0.667	38.000	42.78	0.000
10	9:45: 0	0.750	38.000	42.78	0.000
11	9:48: 0	0.800	38.000	42.78	0.000
12	9:51: 0	0.850	38.000	42.78	0.000
13	9:54: 0	0.900	38.000	42.78	0.000
14	9:57: 0	0.950	38.000	42.78	0.000
15	10: 0: 0	1.000	38.000	42.78	0.000
16	10: 2:60	1.050	38.000	42.78	0.000
17	10: 6: 0	1.100	38.000	42.78	0.000
18	10: 9: 0	1.150	38.000	42.78	0.000
19	10:12: 0	1.200	38.000	42.78	0.000
20	10:15: 0	1.250	38.000	42.78	0.000
21	10:18: 0	1.300	38.000	42.78	0.000
22	10:21: 0	1.350	38.000	42.78	0.000
23	10:24: 0	1.400	38.000	42.78	0.000
24	10:27: 0	1.450	38.000	42.78	0.000
25	10:30: 0	1.500	38.000	42.78	0.000
26	10:33: 0	1.550	38.000	42.78	0.000
27	10:36: 0	1.600	38.000	42.78	0.000
28	10:39: 0	1.650	38.000	42.78	0.000
29	10:42: 0	1.700	38.000	42.78	0.000
30	10:45: 0	1.750	38.000	42.78	0.000
31	10:46: 1	1.767	38.000	42.78	0.000
32	10:49:60	1.833	38.000	42.78	0.000
33	10:55: 1	1.917	38.000	42.78	0.000
34	11: 0: 0	2.000	38.000	42.78	0.000
35	11: 4:60	2.083	38.000	42.78	0.000
36	11:10: 1	2.167	38.000	42.78	0.000
37	11:15: 0	2.250	38.000	42.78	0.000
38	11:19:60	2.333	38.000	42.78	0.000
39	11:25: 1	2.417	38.000	42.78	0.000
40	11:30: 0	2.500	38.000	42.78	0.000
41	11:33: 0	2.550	38.000	42.78	0.000
42	11:36: 0	2.600	38.000	42.78	0.000
43	11:39: 0	2.650	38.000	42.78	0.000
44	11:42: 0	2.700	38.000	42.78	0.000
45	11:45: 0	2.750	38.000	42.78	0.000
46	11:48: 0	2.800	38.000	42.78	0.000
47	11:51: 0	2.850	38.000	42.78	0.000
48	11:54: 0	2.900	38.000	42.78	0.000
49	11:57: 0	2.950	38.000	42.78	0.000
50	12: 0: 0	3.000	38.000	42.78	0.000
51	12: 3: 0	3.050	38.000	42.78	0.000
52	12: 6: 0	3.100	38.000	42.78	0.000

COMPANY : PAN WESTERN PETROLEUM INC.

FIELD : STANLEY-PICKETT 'B'

WELL : #1

JOB # : 11340

GAUGE # : 10970

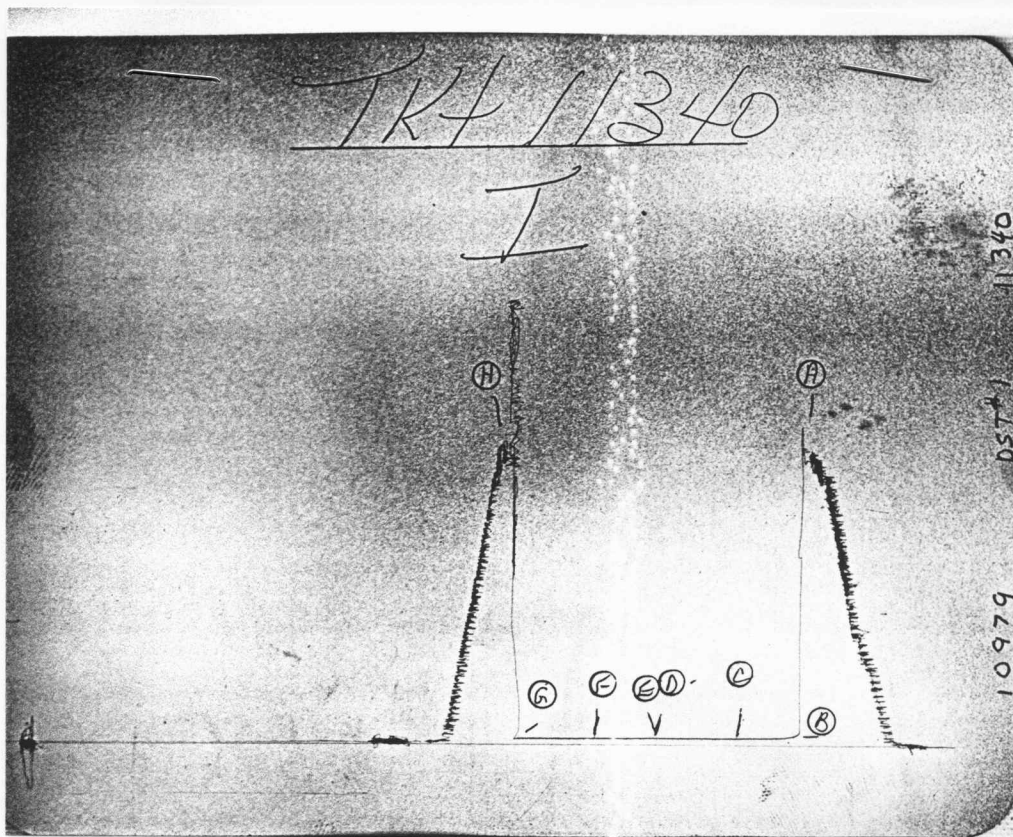
DEPTH : 2921

DATE : 1/12/86

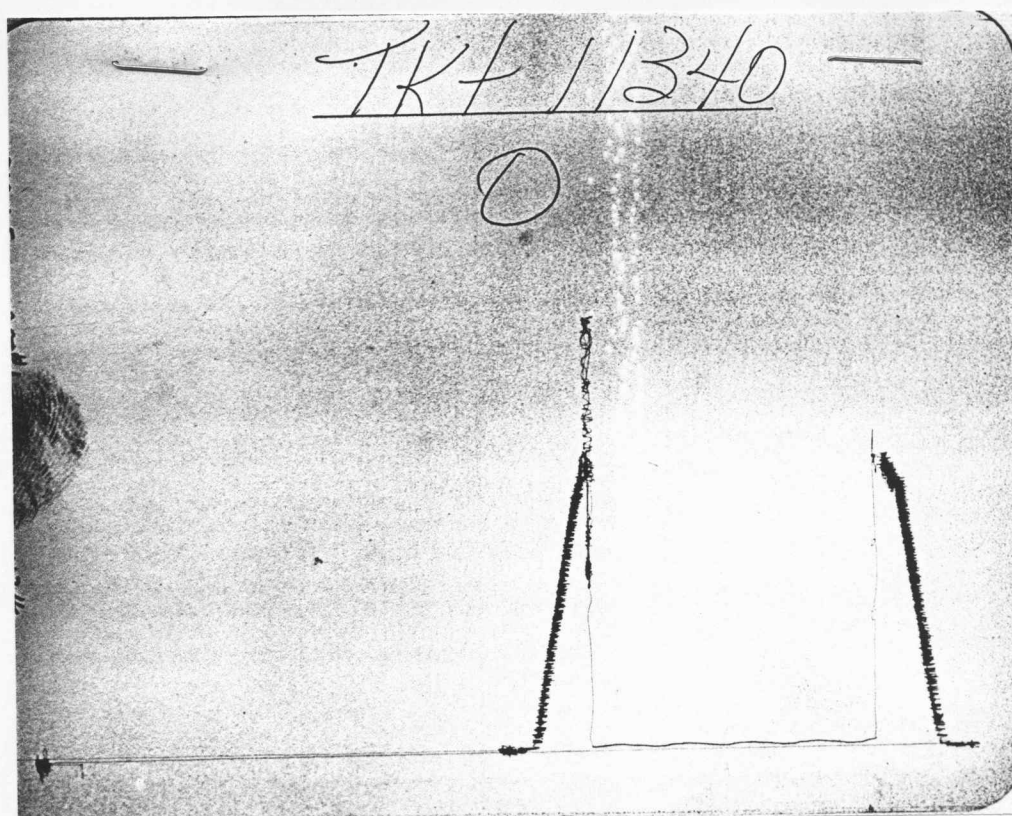
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P $P_i - P(i-1)$
53	12: 9: 0	3.150	38.000	42.78	0.000
54	12:12: 0	3.200	38.000	42.78	0.000
55	12:15: 0	3.250	38.000	42.78	0.000
56	12:18: 0	3.300	38.000	42.78	0.000
57	12:21: 0	3.350	38.000	42.78	0.000
58	12:24: 0	3.400	38.000	42.78	0.000
59	12:27: 0	3.450	38.000	42.78	0.000
60	12:30: 0	3.500	38.000	42.78	0.000

WESTERN TESTERS INC.

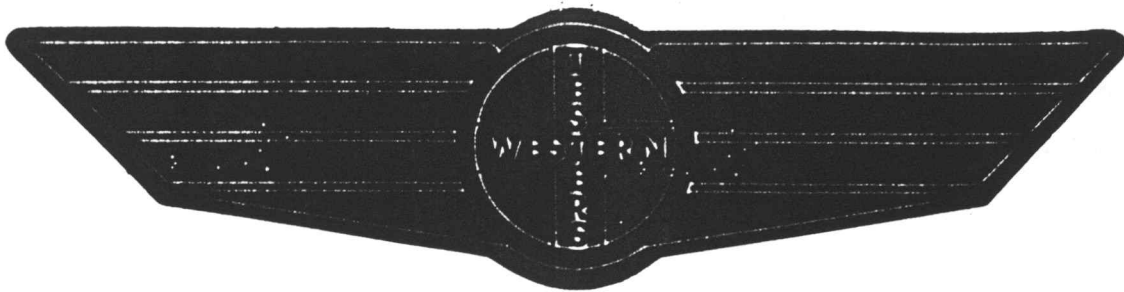


Inside Recorder



Outside Recorder

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY

PAN WESTERN PETROLEUM, INC.

LEASE & WELL NO.

#1 STANLEY-PICKETT "B"

SEC.

13

TWP.

29S

RGE.

3E

TEST NO.

2

DATE

12/1/86

WESTERN TESTERS INC.
SUBSURFACE PRESSURE SURVEY

DATE : 12-1-86
CUSTOMER : PAN WESTERN PETROLEUM INC.
WELL : #1 TEST: 2
ELEVATION : 1223 KB
SECTION : 12
RANGE : 3E COUNTY : BUTLER
GAUGE SN# : 10979 RANGE : 4100
TICKET : 11341
LEASE : STANLEY-PICKETT 'B'
GEOLOGIST : B. ARD
FORMATION : SIMPSON
TOWNSHIP : 29S
STATE : KANSAS
CLOCK : 12

INTERVAL FROM : 2918 TO : 2926 TOTAL DEPTH : 2926
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 2918 SIZE : 6.75
PACKER DEPTH : 2913 SIZE : 6.75
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : RED TIGER RIG #4
MUD TYPE : CHEMICAL VISCOSITY : 38
WEIGHT : 9.8 WATER LOSS (CC) : 11.2
CHLORIDES (PPM) : 1800
JARS-MAKE : - SERIAL NUMBER :
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 1020 FT I.D. inch : 2.70
DRILL PIPE LENGTH : 1878 FT I.D. inch : 3.80
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 8 FT ANCHOR SIZE : 5.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5 XH

BLOW COMMENT #1 : FAIR BLOW THROUGHOUT TEST.
BLOW COMMENT #2 :
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 190 FT OF: SALT WATER

Total Barrels Fluid = 1.35
Total Fluid Prod Rate = 16.15 BFPD
Indicated Wtr Rate = 16.15 BWPD

REMARK 1 :
REMARK 2 : CHLORIDES: 32000 PPM
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	8:20 PM	TIME STARTED OFF BOTTOM :	12:20 PM
WELL TEMPERATURE :	109		
INITIAL HYDROSTATIC PRESSURE		(A)	1596
INITIAL FLOW PERIOD MIN:	60	(B)	42 PSI TO (C) : 74
INITIAL CLOSED IN PERIOD MIN:	60	(D)	1123
FINAL FLOW PERIOD MIN:	60	(E)	88 PSI TO (F) : 117
FINAL CLOSED IN PERIOD MIN:	63	(G)	118
FINAL HYDROSTATIC PRESSURE		(H)	1551

WESTERN TESTERS INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : PAN WESTERN PETROLEUM INC.
RIG : BUTLER-KANSAS
FIELD : STANLEY-PICKETT 'B'
WELL : #1
DATE : 12-1-86
GAUGE NO : 10979

OPERATIONAL COMMENTS

CHLORIDES: 32000 PPM

WELL : #1

JOB # : 11341

GAUGE # : 10979

DEPTH : 2926

DATE : 1/12/86

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(i-1)
1	8:20: 0	0.000	42.000	42.78	0.000
2	8:24:60	0.083	42.000	42.78	0.000
3	8:30: 1	0.167	42.000	42.78	0.000
4	8:35: 0	0.250	46.000	42.78	4.000
5	8:39:60	0.333	51.000	42.78	5.000
6	8:45: 1	0.417	53.000	42.78	2.000
7	8:50: 0	0.500	56.000	42.78	3.000
8	8:54:60	0.583	59.000	42.78	3.000
9	9: 0: 1	0.667	62.000	42.78	3.000
10	9: 5: 0	0.750	65.000	42.78	3.000
11	9: 9:60	0.833	68.000	42.78	3.000
12	9:15: 1	0.917	71.000	42.78	3.000
13	9:20: 0	1.000	74.000	42.78	3.000
14	9:23: 0	1.050	643.000	42.78	569.000
15	9:26: 0	1.100	1005.000	42.78	362.000
16	9:29: 0	1.150	1046.000	42.78	41.000
17	9:32: 0	1.200	1066.000	42.78	20.000
18	9:35: 0	1.250	1078.000	42.78	12.000
19	9:38: 0	1.300	1088.000	42.78	10.000
20	9:41: 0	1.350	1094.000	42.78	6.000
21	9:44: 0	1.400	1100.000	42.78	6.000
22	9:47: 0	1.450	1104.000	42.78	4.000
23	9:50: 0	1.500	1107.000	42.78	3.000
24	9:53: 0	1.550	1109.000	42.78	2.000
25	9:56: 0	1.600	1111.000	42.78	2.000
26	9:59: 0	1.650	1113.000	42.78	2.000
27	10: 2: 0	1.700	1115.000	42.78	2.000
28	10: 5: 0	1.750	1117.000	42.78	2.000
29	10: 8: 0	1.800	1119.000	42.78	2.000
30	10:11: 0	1.850	1120.000	42.78	1.000
31	10:14: 0	1.900	1121.000	42.78	1.000
32	10:17: 0	1.950	1122.000	42.78	1.000
33	10:20: 0	2.000	1123.000	42.78	1.000
34	10:21: 1	2.017	88.000	42.78	-1035.000
35	10:24:60	2.083	88.000	42.78	0.000
36	10:30: 1	2.167	88.000	42.78	0.000
37	10:35: 0	2.250	90.000	42.78	2.000
38	10:39:60	2.333	94.000	42.78	4.000
39	10:45: 1	2.417	96.000	42.78	2.000
40	10:50: 0	2.500	99.000	42.78	3.000
41	10:54:60	2.583	102.000	42.78	3.000
42	11: 0: 1	2.667	105.000	42.78	3.000
43	11: 5: 0	2.750	108.000	42.78	3.000
44	11: 9:60	2.833	111.000	42.78	3.000
45	11:15: 1	2.917	114.000	42.78	3.000
46	11:20: 0	3.000	117.000	42.78	3.000
47	11:23: 0	3.050	857.000	42.78	740.000
48	11:26: 0	3.100	1013.000	42.78	156.000
49	11:29: 0	3.150	1044.000	42.78	31.000
50	11:32: 0	3.200	1060.000	42.78	16.000
51	11:35: 0	3.250	1070.000	42.78	10.000
52	11:38: 0	3.300	1078.000	42.78	8.000

COMPANY : PAN WESTERN PETROLEUM INC.

FIELD : STANLEY-PICKETT 'B'

WELL : #1

JOB # : 11341

GAUGE # : 10979

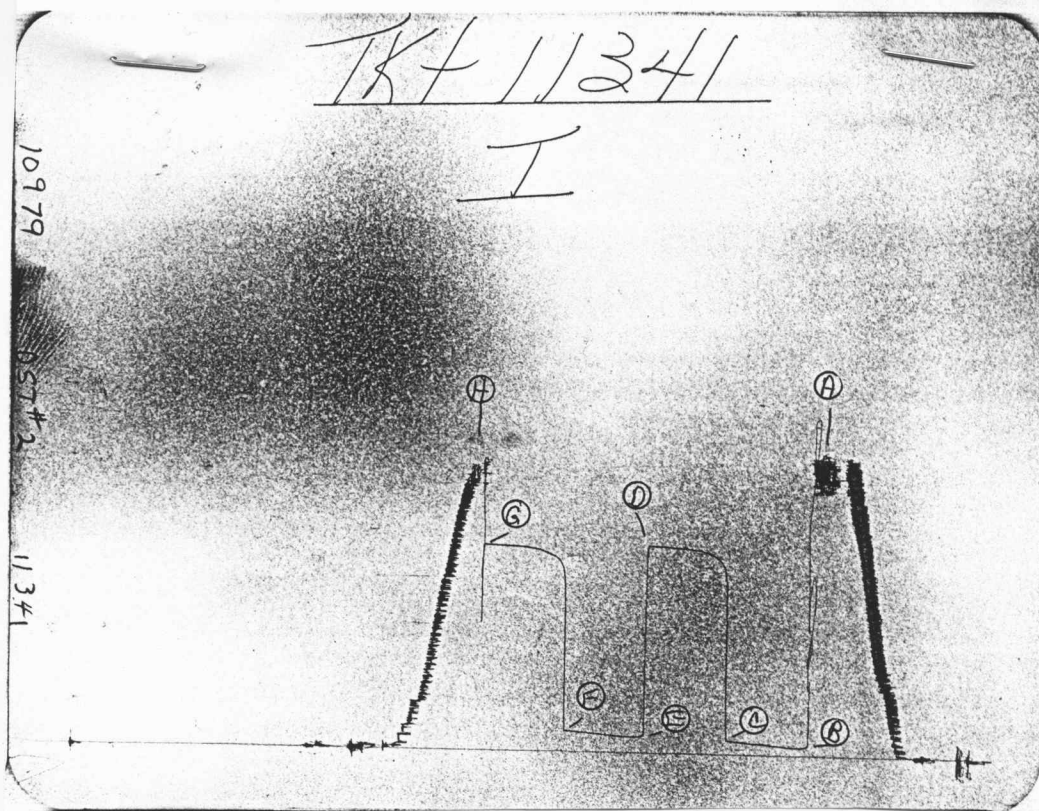
DEPTH : 2926

DATE : 1/12/86

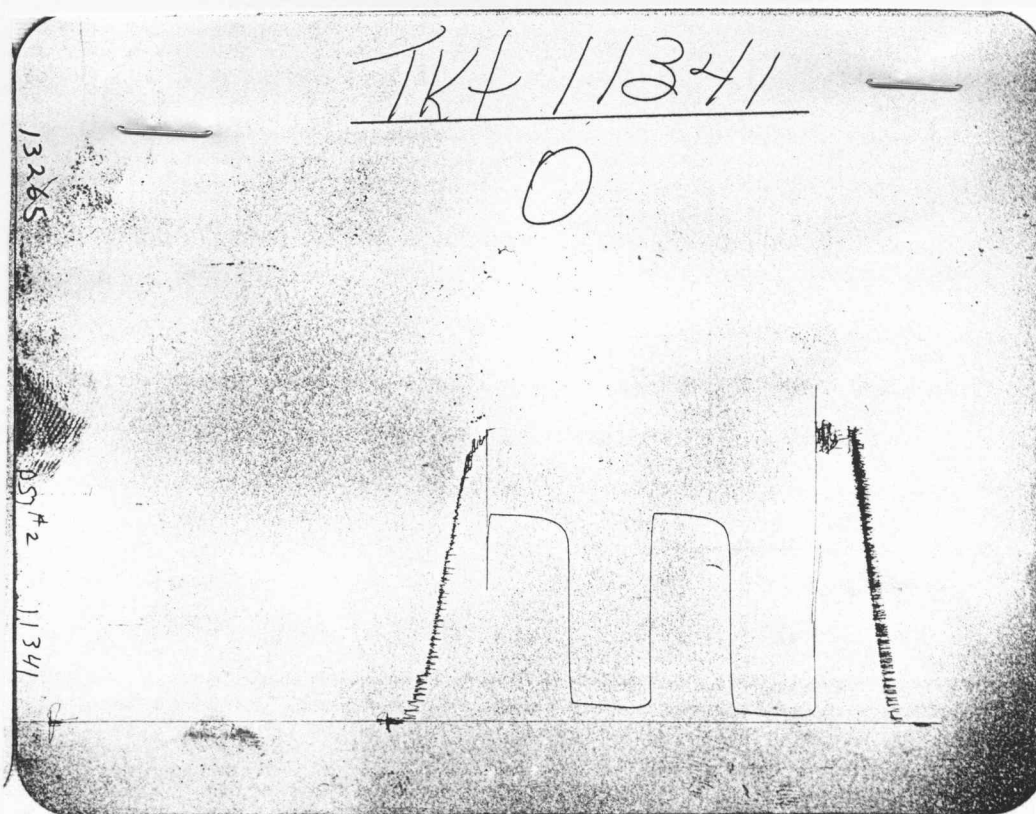
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	11:41: 0	3.350	1089.000	42.78	11.000
54	11:44: 0	3.400	1094.000	42.78	5.000
55	11:47: 0	3.450	1097.000	42.78	3.000
56	11:50: 0	3.500	1101.000	42.78	4.000
57	11:53: 0	3.550	1103.000	42.78	2.000
58	11:56: 0	3.600	1105.000	42.78	2.000
59	11:59: 0	3.650	1107.000	42.78	2.000
60	12: 2: 0	3.700	1109.000	42.78	2.000
61	12: 5: 0	3.750	1111.000	42.78	2.000
62	12: 8: 0	3.800	1113.000	42.78	2.000
63	12:11: 0	3.850	1114.000	42.78	1.000
64	12:14: 0	3.900	1115.000	42.78	1.000
65	12:17: 0	3.950	1116.000	42.78	1.000
66	12:20: 0	4.000	1117.000	42.78	1.000
67	12:23: 0	4.050	118.000	42.78	-999.000

WESTERN TESTERS INC.



Inside Recorder



Outside Recorder