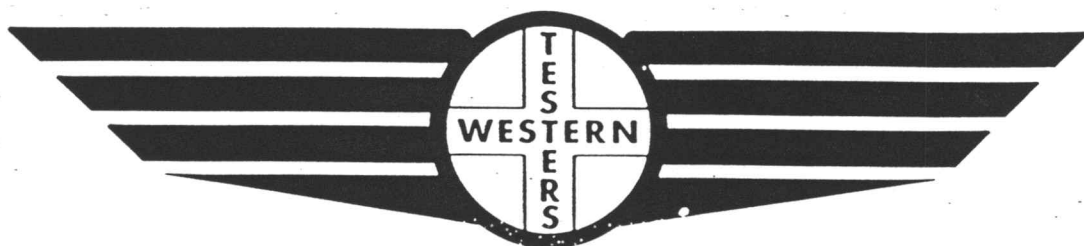


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY RAINS & WILLIAMSON OIL CO INC. LEASE & WELL NO. #3 L C TRAPP "A" SEC. 7 TWP. 12S RGE. 13W TEST NO. 1 DATE 2/27/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 2-27-87 TICKET : 13444
CUSTOMER : RAINS & WILLIAMSON OIL CO INC. LEASE : TRAPP "A"
WELL : #3 TEST: 1 GEOLOGIST : M. ENGELBRECHT
ELEVATION : 1714 FORMATION : K.C.
SECTION : 7 TOWNSHIP : 12S
RANGE : 13W COUNTY : RUSSELL STATE : KS
GAUGE SN# : 13403 RANGE : 4050 CLOCK : 12

INTERVAL FROM : 2935 TO : 2975 TOTAL DEPTH : 2975
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 2930 SIZE : 6.63
PACKER DEPTH : 2935 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : R & W #9
MUD TYPE : STARCH VISCOSITY : 35
WEIGHT : 9.6 WATER LOSS (CC) : 16.2
CHLORIDES (PPM) : 57000
JARS-MAKE : SERIAL NUMBER :
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 118 FT I.D. inch : 2.25
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 2796 FT I.D. inch : 3.80
TEST TOOL LENGTH : 21 FT TOOL SIZE : 4.50
ANCHOR LENGTH : 40 FT ANCHOR SIZE : 5.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5XH

BLOW COMMENT #1 : WEAK BLOW HOSE 2" IN BUCKET ON
BLOW COMMENT #2 : INITIAL FLOW PERIOD.
BLOW COMMENT #3 : WEAK BLOW HOSE 3" IN BUCKET ON
BLOW COMMENT #4 : FINAL FLOW PERIOD.

RECOVERED : 10 FT OF: O & G C/WTRY MUD
RECOVERED : 0 FT OF: 10% G 20% O 20% WTR 50%M
RECOVERED : 60 FT OF: SLI. OIL & GAS C/MUD
RECOVERED : 0 FT OF: 15%G 10%O 10%WTR 65%M

Total Barrels Fluid = 0.34
Total Fluid Prod Rate = 5.51 BFPD
Indicated Oil Rate = 0.63 BOPD
Indicated Wtr Rate = 0.63 BWPD
Corrected Oil Rate = 7.35 BOPD
Corrected Wtr Rate = 7.35 BWPD

REMARK 1 :
REMARK 2 : CHLORIDES 37000 PPM
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 6:10 AM TIME STARTED OFF BOTTOM : 7:10 AM
WELL TEMPERATURE : 94
INITIAL HYDROSTATIC PRESSURE (A) 1463
INITIAL FLOW PERIOD MIN: 30 (B) 101 PSI TO (C) : 55
INITIAL CLOSED IN PERIOD MIN: 27 (D) 781
FINAL FLOW PERIOD MIN: 60 (E) 66 PSI TO (F) : 66
FINAL CLOSED IN PERIOD MIN: 60 (G) 821
FINAL HYDROSTATIC PRESSURE (H) 1463

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : RAINS & WILLIAMSON OIL CO INC.
RIG : RUSSELL-KS
FIELD : TRAPP "A"
WELL : #3
DATE : 2-27-87
GAUGE NO : 13403

OPERATIONAL COMMENTS

CHLORIDES 37000 PPM

COMPANY : RAINS & WILLIAMSON OIL CO INC.

WELL : #3
 GAUGE # : 13403
 DATE : 27/ 2/87

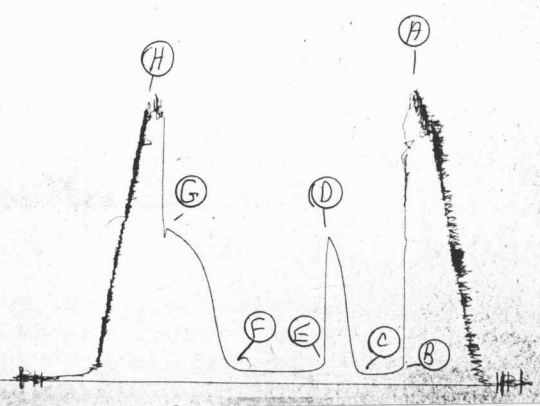
FIELD : TRAPP "A"
 JOB # : 13444
 DEPTH : 2975
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P _i -P _(i-1)
1	6:10: 0	0.000	101.000	94.00	0.000
2	6:14:59	0.083	71.000	94.00	-30.000
3	6:20: 0	0.167	62.000	94.00	-9.000
4	6:25: 0	0.250	56.000	94.00	-6.000
5	6:29:59	0.333	55.000	94.00	-1.000
6	6:35: 0	0.417	55.000	94.00	0.000
7	6:40: 0	0.500	55.000	94.00	0.000
8	6:43: 0	0.550	71.000	94.00	16.000
9	6:46: 0	0.600	126.000	94.00	55.000
10	6:49: 0	0.650	226.000	94.00	100.000
11	6:52: 0	0.700	371.000	94.00	145.000
12	6:55: 0	0.750	519.000	94.00	148.000
13	6:58: 0	0.800	620.000	94.00	101.000
14	7: 1: 0	0.850	690.000	94.00	70.000
15	7: 4: 0	0.900	744.000	94.00	54.000
16	7: 7: 0	0.950	781.000	94.00	37.000
17	7: 8: 0	0.967	66.000	94.00	-715.000
18	7:11:59	1.033	66.000	94.00	0.000
19	7:17: 0	1.117	66.000	94.00	0.000
20	7:22: 0	1.200	66.000	94.00	0.000
21	7:26:59	1.283	66.000	94.00	0.000
22	7:32: 0	1.367	66.000	94.00	0.000
23	7:37: 0	1.450	66.000	94.00	0.000
24	7:41:59	1.533	66.000	94.00	0.000
25	7:47: 0	1.617	66.000	94.00	0.000
26	7:52: 0	1.700	66.000	94.00	0.000
27	7:56:59	1.783	66.000	94.00	0.000
28	8: 2: 0	1.867	66.000	94.00	0.000
29	8: 7: 0	1.950	66.000	94.00	0.000
30	8:10: 0	2.000	70.000	94.00	4.000
31	8:13: 0	2.050	80.000	94.00	10.000
32	8:16: 0	2.100	92.000	94.00	12.000
33	8:19: 0	2.150	117.000	94.00	25.000
34	8:22: 0	2.200	171.000	94.00	54.000
35	8:25: 0	2.250	244.000	94.00	73.000
36	8:28: 0	2.300	342.000	94.00	98.000
37	8:31: 0	2.350	453.000	94.00	111.000
38	8:34: 0	2.400	532.000	94.00	79.000
39	8:37: 0	2.450	598.000	94.00	66.000
40	8:40: 0	2.500	646.000	94.00	48.000
41	8:43: 0	2.550	681.000	94.00	35.000
42	8:46: 0	2.600	711.000	94.00	30.000
43	8:49: 0	2.650	741.000	94.00	30.000
44	8:52: 0	2.700	754.000	94.00	13.000
45	8:55: 0	2.750	773.000	94.00	19.000
46	8:58: 0	2.800	785.000	94.00	12.000
47	9: 1: 0	2.850	801.000	94.00	16.000
48	9: 4: 0	2.900	813.000	94.00	12.000
49	9: 7: 0	2.950	821.000	94.00	8.000

TKF 13444

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13403
DST#1

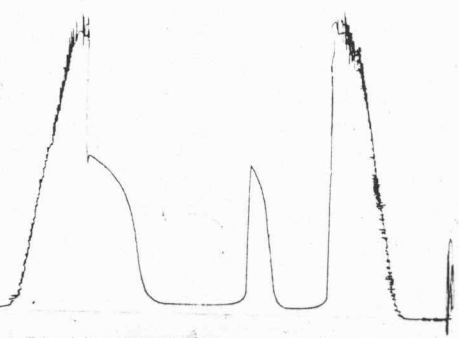


Inside Recorder

TKF 13444

O

13553
DST#1



Outside Recorder