

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. #2 L.C. TRAPP "A" SEC. 8 TWP. 12S RGE. 13W TEST NO. 1 DATE 2-23-86

SUBSURFACE PRESSURE SURVEY

DATE : 2-23-86 TICKET : 11176
 CUSTOMER : RAINS & WILLIAMSON OIL CO INC LEASE : L.C. TRAPP "A"
 WELL : 2 TEST: 1 GEOLOGIST : GALLOWAY
 ELEVATION : 1724 FORMATION : LANSING
 SECTION : 8 TOWNSHIP : 12S
 RANGE : 13W COUNTY : RUSSELL STATE : KANSAS
 GAUGE SN# : 11018 RANGE : 4425 CLOCK : 12

INTERVAL FROM : 2974 TO : 2984 TOTAL DEPTH : 2984
 DEPTH OF SELECTIVE ZONE :
 PACKER DEPTH : 2969 SIZE : 6 5/8
 PACKER DEPTH : 2974 SIZE : 6 5/8
 PACKER DEPTH : SIZE :
 PACKER DEPTH : SIZE :

DRILLING CON. : RAINS & WILLIAMSON DRLG
 MUD TYPE : STARCH VISCOSITY : 44
 WEIGHT : 10.0 WATER LOSS (CC) : 9.6
 CHLORIDES (PPM) : 50000
 JARS-MAKE : SERIAL NUMBER :
 DID WELL FLOW ? : REVERSED OUT ? :

DRILL COLLAR LENGTH : 90 FT I.D. inch : 2.25
 WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
 DRILL PIPE LENGTH : 2863 FT I.D. inch : 3.80
 TEST TOOL LENGTH : 21 FT TOOL SIZE : 5.50
 ANCHOR LENGTH : 10 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 : INITIAL FLOW PERIOD WEAK BLOW. HOSE 1" INTO
 BLOW COMMENT #2 : BUCKET. FINAL FLOW PERIOD WEAK SURFACE BLOW.
 BLOW COMMENT #3 : DIED IN 20 MINUTES.
 BLOW COMMENT #4 :

RECOVERED : 15 FT OF: MUD WITH FEW OIL SPECKS 0.07 Barrels
 RECOVERED : 0 FT OF: IN TOOL. 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 Total Barrels = 0.1 Total Production = 1.8 Bpd

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

SET PACKER(S) : 7:40 AM TIME STARTED OFF BOTTOM : 9:40 AM
 WELL TEMPERATURE : 96
 INITIAL HYDROSTATIC PRESSURE (A) 1570
 INITIAL FLOW PERIOD MIN: 30 (B) 33 PSI TO (C) : 33
 INITIAL CLOSED IN PERIOD MIN: 30 (D) 940
 FINAL FLOW PERIOD MIN: 30 (E) 41 PSI TO (F) : 41
 FINAL CLOSED IN PERIOD MIN: 30 (G) 233
 FINAL HYDROSTATIC PRESSURE (H) 1559

Pressure Transient Report

DATA FILE.....

COMPANY.....RAINS & WILLIAMSON OIL CO INC

DATE OF TEST.....2-23-86

FIELD NAME.....L.C. TRAPP "A"

WELL NAME.....2

LOCATION.....RUSSELL-KANSAS

JOB NUMBER.....11176

GAUGE NUMBER.....11018

GAUGE DEPTH.....2984

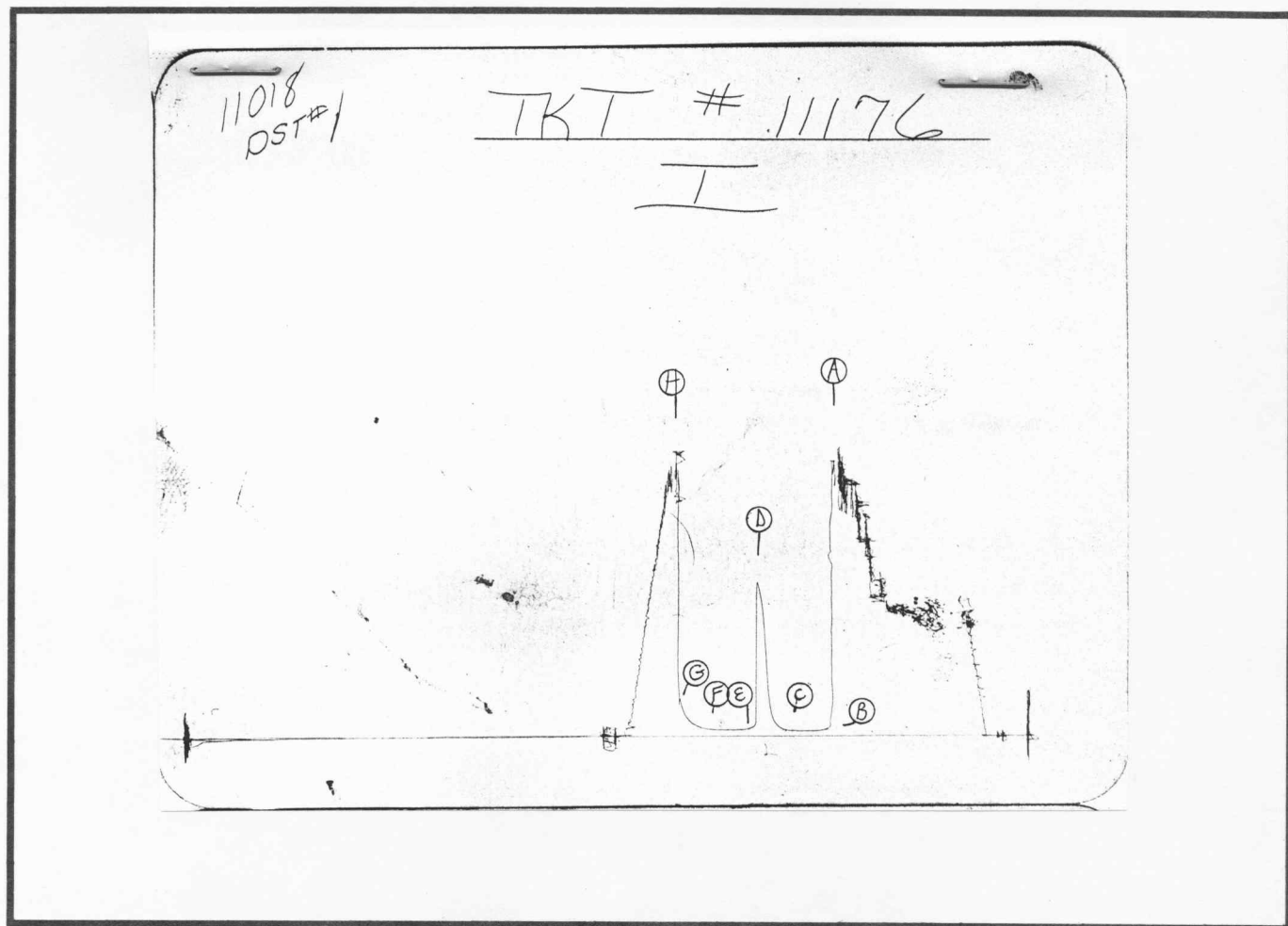
COMMENTS

START UP TIME	(mo/da/yr)	(hr:min:sec)
	2./23/86.	7.: 40.: 0.

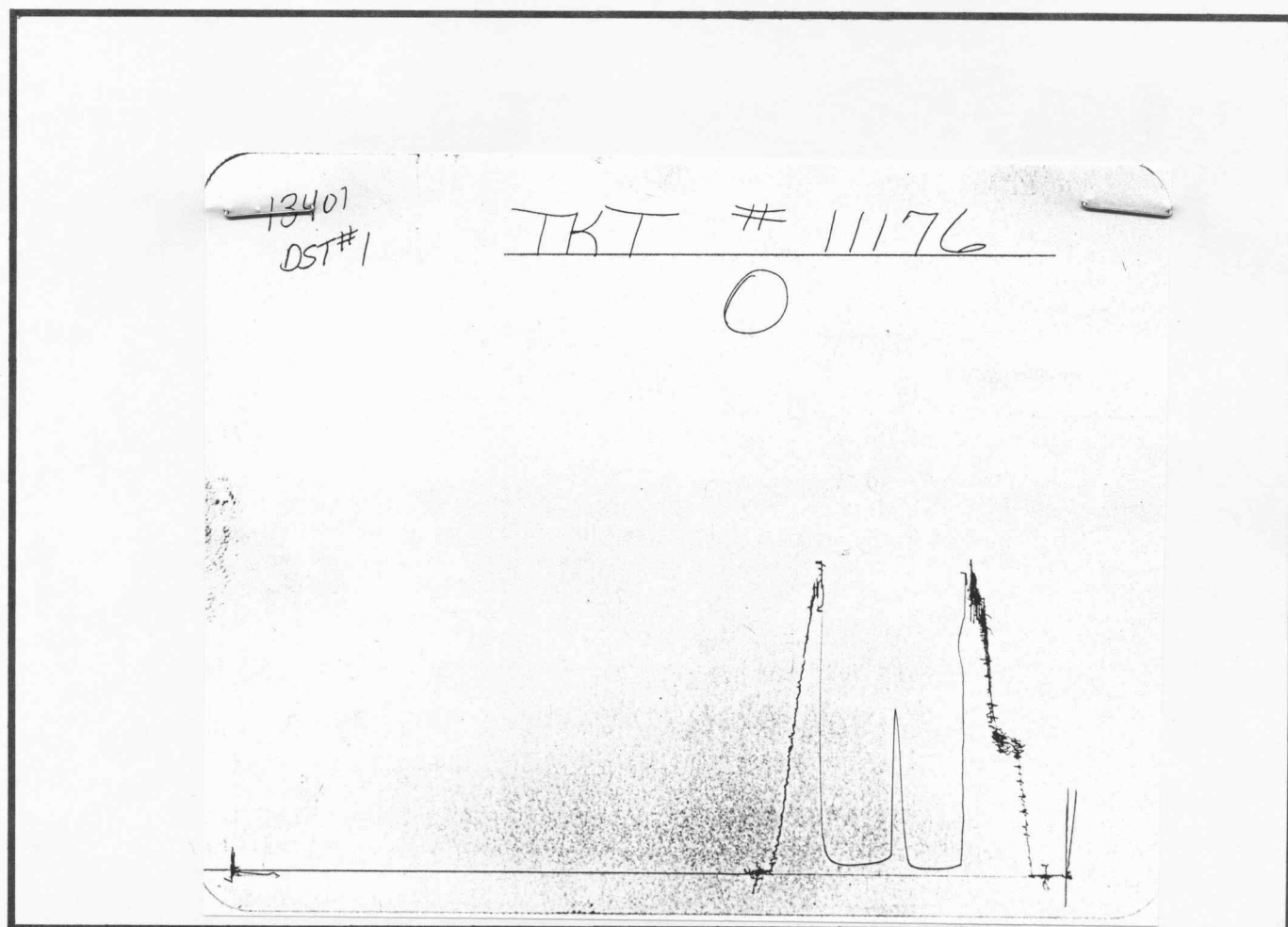
COMPANY : RAINS & WILLIAMSON OIL CO INC FIELD : L.C. TRAPP "A"
WELL : 2 JOB # : 11176
GAUGE # : 11018 DEPTH : 2984
MON/DAY : 2/23

PAGE 1

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	7:40: 0	0 0.000	33.00	96.0	0.00	0.00
2	7:45: 0	5 0.083	33.00	96.0	0.00	0.00
3	7:50: 0	10 0.167	33.00	96.0	0.00	0.00
4	7:55: 0	15 0.250	33.00	96.0	0.00	0.00
5	8: 0: 0	20 0.333	33.00	96.0	0.00	0.00
6	8: 5: 0	25 0.417	33.00	96.0	0.00	0.00
7	8:10: 0	30 0.500	33.00	96.0	0.00	0.00
8	8:13: 0	33 0.550	33.00	96.0	0.00	0.00
9	8:16: 0	36 0.600	38.00	96.0	5.00	99.90
10	8:19: 0	39 0.650	47.00	96.0	14.00	180.26
11	8:22: 0	42 0.700	64.00	96.0	31.00	339.67
12	8:25: 0	45 0.750	100.00	96.0	67.00	721.06
13	8:28: 0	48 0.800	193.00	96.0	160.00	1858.19
14	8:31: 0	51 0.850	389.00	96.0	356.00	3916.18
15	8:34: 0	54 0.900	639.00	96.0	606.00	5007.34
16	8:37: 0	57 0.950	819.00	96.0	786.00	3596.49
17	8:40: 0	60 1.000	940.00	96.0	907.00	2423.55
18	8:41: 0	61 1.017	41.00	96.0	8.00	-53756.26
19	8:45: 0	65 1.083	41.00	96.0	8.00	0.00
20	8:50: 0	70 1.167	41.00	96.0	8.00	0.00
21	8:55: 0	75 1.250	41.00	96.0	8.00	0.00
22	9: 0: 0	80 1.333	41.00	96.0	8.00	0.00
23	9: 5: 0	85 1.417	41.00	96.0	8.00	0.00
24	9:10: 0	90 1.500	41.00	96.0	8.00	0.00
25	9:13: 0	93 1.550	42.00	96.0	9.00	19.98
26	9:16: 0	96 1.600	46.00	96.0	13.00	79.92
27	9:19: 0	99 1.650	49.00	96.0	16.00	60.09
28	9:22: 0	102 1.700	52.00	96.0	19.00	59.94
29	9:25: 0	105 1.750	59.00	96.0	26.00	140.21
30	9:28: 0	108 1.800	70.00	96.0	37.00	219.79
31	9:31: 0	111 1.850	86.00	96.0	53.00	319.69
32	9:34: 0	114 1.900	109.00	96.0	76.00	460.67
33	9:37: 0	117 1.950	147.00	96.0	114.00	759.26
34	9:40: 0	120 2.000	233.00	96.0	200.00	1722.52

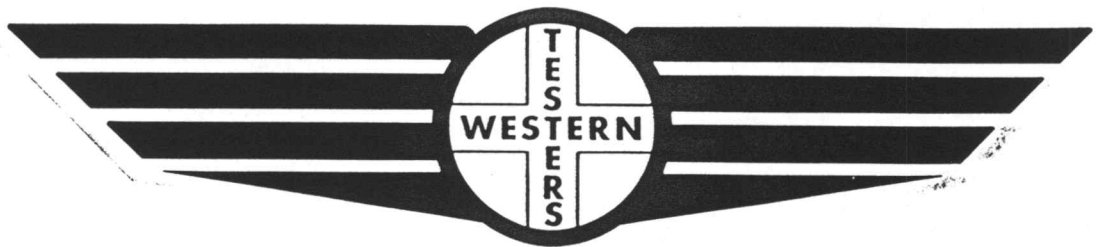


Inside Recorder



Outside Recorder

FORMATION TEST REPORT



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SUBSURFACE PRESSURE SURVEY

DATE : 2-23-86 TICKET : 11177
 CUSTOMER : RAINS & WILLIAMSON OIL CO INC LEASE : L.C. TRAPP "A"
 WELL : 2 TEST: 2 GEOLOGIST : GALLOWAY
 ELEVATION : 1724 FORMATION : LANSING
 SECTION : 8 TOWNSHIP : 12S
 RANGE : 13W COUNTY : RUSSELL STATE : KANSAS
 GAUGE SN# : 11018 RANGE : 4425 CLOCK : 12

INTERVAL FROM : 3038 TO : 3048 TOTAL DEPTH : 3048

DEPTH OF SELECTIVE ZONE :
 PACKER DEPTH : 3033 SIZE : 6 5/8
 PACKER DEPTH : 3038 SIZE : 6 5/8
 PACKER DEPTH : SIZE :
 PACKER DEPTH : SIZE :

DRILLING CON. : RAINS & WILLIAMSON DRLG
 MUD TYPE : STARCH VISCOSITY : 47
 WEIGHT : 10.0 WATER LOSS (CC) : 11.2
 CHLORIDES (PPM) : 50000
 JARS-MAKE : SERIAL NUMBER :
 DID WELL FLOW ? : REVERSED OUT ? :

DRILL COLLAR LENGTH : 90 FT I.D. inch : 2.25
 WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
 DRILL PIPE LENGTH : 2927 FT I.D. inch : 3.80
 TEST TOOL LENGTH : 21 FT TOOL SIZE : 5.50
 ANCHOR LENGTH : 10 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 : INITIAL FLOW PERIOD WEAK BLOW. HOSE 1/2" INTO
 BLOW COMMENT #2 : BUCKET. FINAL FLOW PERIOD WEAK BLOW. HOSE 1"
 BLOW COMMENT #3 : INTO BUCKET.
 BLOW COMMENT #4 :

RECOVERED : 130 FT OF: MUDDY SALT WATER. 1.00 Barrels
 RECOVERED : 0 FT OF: CHLORIDES 35000 PPM. 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 Total Barrels = 1.0 Total Production = 24.1 Bpd

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

SET PACKER(S) : 9:53 PM TIME STARTED OFF BOTTOM : 11:53 PM
 WELL TEMPERATURE : 98
 INITIAL HYDROSTATIC PRESSURE (A) 1637
 INITIAL FLOW PERIOD MIN: 30 (B) 49 PSI TO (C) : 69
 INITIAL CLOSED IN PERIOD MIN: 27 (D) 1129
 FINAL FLOW PERIOD MIN: 30 (E) 86 PSI TO (F) : 91
 FINAL CLOSED IN PERIOD MIN: 27 (G) 1114
 FINAL HYDROSTATIC PRESSURE (H) 1621

Pressure Transient Report

DATA FILE.....

COMPANY.....RAINS & WILLIAMSON OIL CO INC

DATE OF TEST.....2-23-86

FIELD NAME.....L.C. TRAPP "A"

WELL NAME.....2

LOCATION.....RUSSELL-KANSAS

JOB NUMBER.....11177

GAUGE NUMBER.....11018

GAUGE DEPTH.....3048

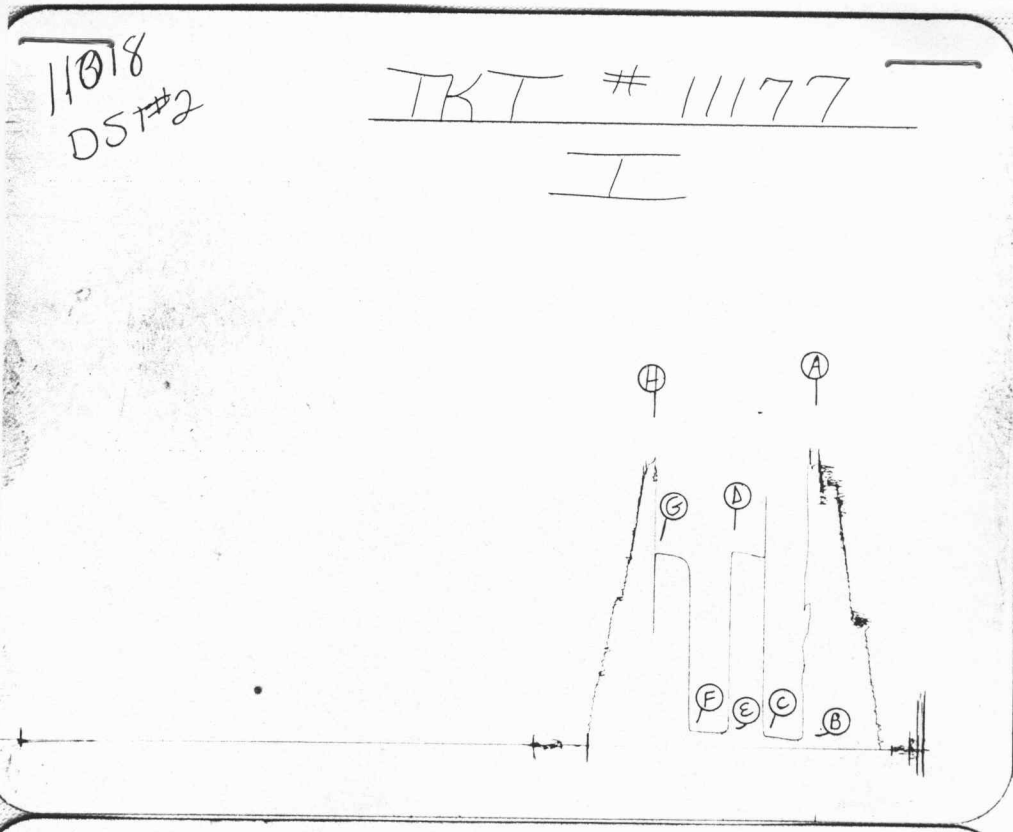
COMMENTS

START UP TIME	(mo/da/yr)	(hr:min:sec)
	2./23/86.	9.: 53.: 0.

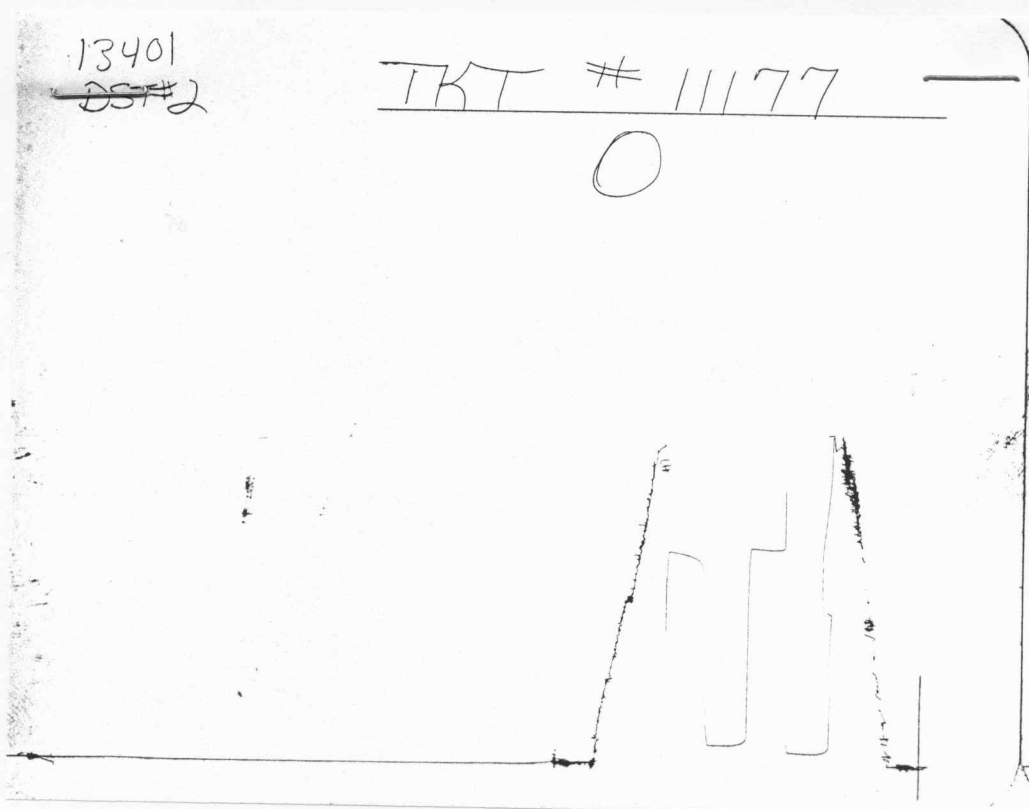
COMPANY : RAINS & WILLIAMSON OIL CO INC FIELD : L.C. TRAPP "A"
WELL : 2 JOB # : 11177
GAUGE # : 11018 DEPTH : 3048
MON/DAY : 2/23

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REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	9:53: 0	0 0.000	49.00	98.0	0.00	1722.52
2	9:58: 0	5 0.083	49.00	98.0	0.00	0.00
3	10: 3: 0	10 0.167	49.00	98.0	0.00	0.00
4	10: 8: 0	15 0.250	53.00	98.0	4.00	48.05
5	10:13: 0	20 0.333	59.00	98.0	10.00	71.96
6	10:18: 0	25 0.417	64.00	98.0	15.00	59.97
7	10:23: 0	30 0.500	69.00	98.0	20.00	60.06
8	10:26: 0	33 0.550	1093.00	98.0	1044.00	20460.02
9	10:29: 0	36 0.600	1103.00	98.0	1054.00	200.29
10	10:32: 0	39 0.650	1107.00	98.0	1058.00	79.92
11	10:35: 0	42 0.700	1116.00	98.0	1067.00	179.82
12	10:38: 0	45 0.750	1121.00	98.0	1072.00	100.15
13	10:41: 0	48 0.800	1123.00	98.0	1074.00	39.96
14	10:44: 0	51 0.850	1125.00	98.0	1076.00	40.06
15	10:47: 0	54 0.900	1127.00	98.0	1078.00	39.96
16	10:50: 0	57 0.950	1129.00	98.0	1080.00	39.96
17	10:51: 0	58 0.967	86.00	98.0	37.00	-62825.41
18	10:55: 0	62 1.033	86.00	98.0	37.00	0.00
19	11: 0: 0	67 1.117	86.00	98.0	37.00	0.00
20	11: 5: 0	72 1.200	87.00	98.0	38.00	11.99
21	11:10: 0	77 1.283	90.00	98.0	41.00	36.04
22	11:15: 0	82 1.367	91.00	98.0	42.00	11.99
23	11:20: 0	87 1.450	91.00	98.0	42.00	0.00
24	11:23: 0	90 1.500	1035.00	98.0	986.00	18907.70
25	11:26: 0	93 1.550	1075.00	98.0	1026.00	799.22
26	11:29: 0	96 1.600	1088.00	98.0	1039.00	260.38
27	11:32: 0	99 1.650	1097.00	98.0	1048.00	179.82
28	11:35: 0	102 1.700	1104.00	98.0	1055.00	139.86
29	11:38: 0	105 1.750	1107.00	98.0	1058.00	60.09
30	11:41: 0	108 1.800	1110.00	98.0	1061.00	59.94
31	11:44: 0	111 1.850	1112.00	98.0	1063.00	40.06
32	11:47: 0	114 1.900	1114.00	98.0	1065.00	39.96



Inside Recorder



Outside Recorder