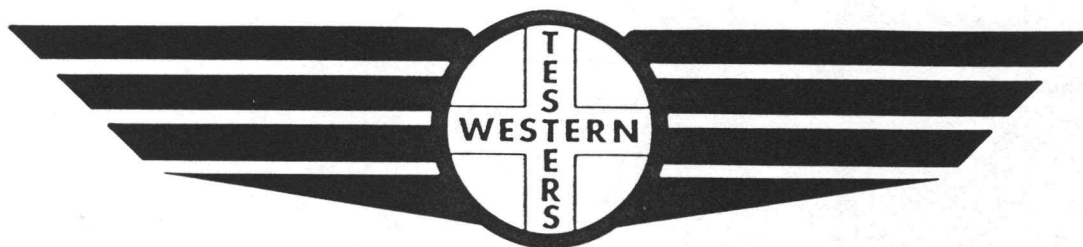


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

SUBSURFACE PRESSURE SURVEY

DATE	:	1-1-86	TICKET	:	9371
CUSTOMER	:	RAINS & WILLIAMSON OIL CO INC	LEASE	:	STRECKER "A"
WELL	:	1	TEST:	:	1
ELEVATION	:	1825	GEOLOGIST	:	ENGELBRECHT
SECTION	:	29	FORMATION	:	KANSAS CITY
RANGE	:	14W	COUNTY	:	RUSSELL
GAUGE SN#	:	13762	RANGE	:	3925
			STATE	:	KANSAS
			CLOCK	:	12

INTERVAL FROM : 3022 TO : 3052 TOTAL DEPTH : 3052

DEPTH OF SELECTIVE ZONE :

PACKER DEPTH : 3017 SIZE : 6 5/8

PACKER DEPTH : 3022 SIZE : 6 5/8

PACKER DEPTH : SIZE :

PACKER DEPTH : SIZE :

DRILLING CON. : RAINS & WILLIAMSON DRLG

MUD TYPE : STARCH VISCOSITY : 39

WEIGHT : 9.8 WATER LOSS (CC) : 15.2

CHLORIDES (PPM) : 50000

JARS-MAKE : SERIAL NUMBER :

DID WELL FLOW ? : REVERSED OUT ? :

DRILL COLLAR LENGTH : 116 FT I.D. inch : 2.25

WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00

DRILL PIPE LENGTH : 2885 FT I.D. inch : 3.80

TEST TOOL LENGTH : 21 FT TOOL SIZE : 5.50

ANCHOR LENGTH : 30 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 STRONG BLOW. OFF BOTTOM

BLOW COMMENT #2 : OF BUCKET IN 4 MINUTES. FINAL FLOW PERIOD

BLOW COMMENT #3 : STRONG BLOW OFF BOTTOM OF BUCKET.

BLOW COMMENT #4 :

RECOVERED : 40 FT OF: SL MUD CUT GASSY OIL. 0.46 Barrels

RECOVERED : 0 FT OF: (10%GAS; 70%OIL; 20%MUD). 0.00 Barrels

RECOVERED : 300 FT OF: GASSY FROTHY OIL. 3.42 Barrels

RECOVERED : 0 FT OF: (40%GAS; 60%OIL). 0.00 Barrels

RECOVERED : 60 FT OF: GASSY CLEAN OIL. 0.68 Barrels

RECOVERED : 0 FT OF: 41 GRAVITY AT 60 DEGREES. 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 = 4.6 Total Production = 72.9 Bpd

REMARK 1 : 1580 FEET OF GAS ABOVE FLUID.

REMARK 2 :

REMARK 3 :

REMARK 4 :

SET PACKER(S) : 9:30 AM

TIME STARTED OFF BOTTOM : 12:00 PM

WELL TEMPERATURE : 96

INITIAL HYDROSTATIC PRESSURE (A) 1576

INITIAL FLOW PERIOD MIN: 30 (B) 71 PSI TO (C) : 90

INITIAL CLOSED IN PERIOD MIN: 27 (D) 973

FINAL FLOW PERIOD MIN: 60 (E) 130 PSI TO (F) : 170

FINAL CLOSED IN PERIOD MIN: 30 (G) 950

FINAL HYDROSTATIC PRESSURE (H) 1559

Pressure Transient Report

DATA FILE.....

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

DATE OF TEST.....1-1-86

FIELD NAME.....STRECKER "A"

WELL NAME.....1

LOCATION.....RUSSELL-KANSAS

JOB NUMBER.....9371

GAUGE NUMBER.....13762

GAUGE DEPTH.....3052

COMMENTS

1580 FEET OF GAS ABOVE FLUID.

START UP TIME	(mo/da/yr)	(hr:min:sec)
	1./1/86.	9.: 30.: 0.

COMPANY : RAINS & WILLIAMSON OIL CO INC FIELD : STRECKER "A"
WELL : 1 JOB # : 9371
GAUGE # : 13762 DEPTH : 3052
MON/DAY : 1/ 1

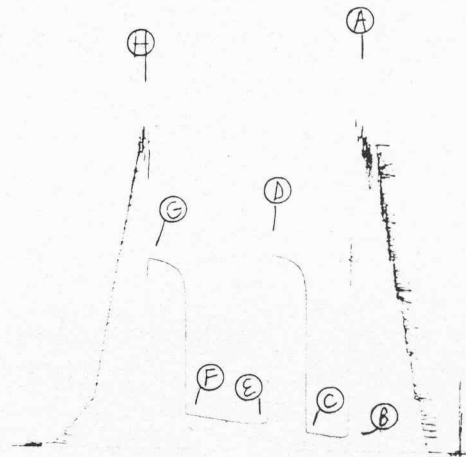
PAGE 1

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	9:30: 0	0 0.000	71.00	96.0	0.00	60.00
2	9:35: 0	5 0.083	72.00	96.0	1.00	12.00
3	9:40: 0	10 0.167	73.00	96.0	2.00	12.00
4	9:45: 0	15 0.250	76.00	96.0	5.00	36.00
5	9:50: 0	20 0.333	81.00	96.0	10.00	60.00
6	9:55: 0	25 0.417	85.00	96.0	14.00	48.00
7	10: 0: 0	30 0.500	90.00	96.0	19.00	60.00
8	10: 3: 0	33 0.550	841.00	96.0	770.00	15019.94
9	10: 6: 0	36 0.600	899.00	96.0	828.00	1160.00
10	10: 9: 0	39 0.650	923.00	96.0	852.00	480.01
11	10:12: 0	42 0.700	940.00	96.0	869.00	340.00
12	10:15: 0	45 0.750	952.00	96.0	881.00	240.00
13	10:18: 0	48 0.800	959.00	96.0	888.00	140.00
14	10:21: 0	51 0.850	965.00	96.0	894.00	120.00
15	10:24: 0	54 0.900	970.00	96.0	899.00	100.00
16	10:27: 0	57 0.950	973.00	96.0	902.00	60.00
17	10:28: 0	58 0.967	130.00	96.0	59.00	-50580.77
18	10:32: 0	62 1.033	130.00	96.0	59.00	0.00
19	10:37: 0	67 1.117	130.00	96.0	59.00	0.00
20	10:42: 0	72 1.200	130.00	96.0	59.00	0.00
21	10:47: 0	77 1.283	134.00	96.0	63.00	48.00
22	10:52: 0	82 1.367	139.00	96.0	68.00	60.00
23	10:57: 0	87 1.450	142.00	96.0	71.00	36.00
24	11: 2: 0	92 1.533	147.00	96.0	76.00	60.00
25	11: 7: 0	97 1.617	153.00	96.0	82.00	72.00
26	11:12: 0	102 1.700	156.00	96.0	85.00	36.00
27	11:17: 0	107 1.783	161.00	96.0	90.00	60.00
28	11:22: 0	112 1.867	166.00	96.0	95.00	60.00
29	11:27: 0	117 1.950	170.00	96.0	99.00	48.00
30	11:30: 0	120 2.000	820.00	96.0	749.00	12999.95
31	11:33: 0	123 2.050	875.00	96.0	804.00	1100.00
32	11:36: 0	126 2.100	897.00	96.0	826.00	440.00
33	11:39: 0	129 2.150	913.00	96.0	842.00	320.00
34	11:42: 0	132 2.200	923.00	96.0	852.00	200.00
35	11:45: 0	135 2.250	930.00	96.0	859.00	140.00
36	11:48: 0	138 2.300	938.00	96.0	867.00	160.00
37	11:51: 0	141 2.350	942.00	96.0	871.00	80.00
38	11:54: 0	144 2.400	947.00	96.0	876.00	100.00
39	11:57: 0	147 2.450	950.00	96.0	879.00	60.00

13762 —
OST#1

TKT # 9371

I.

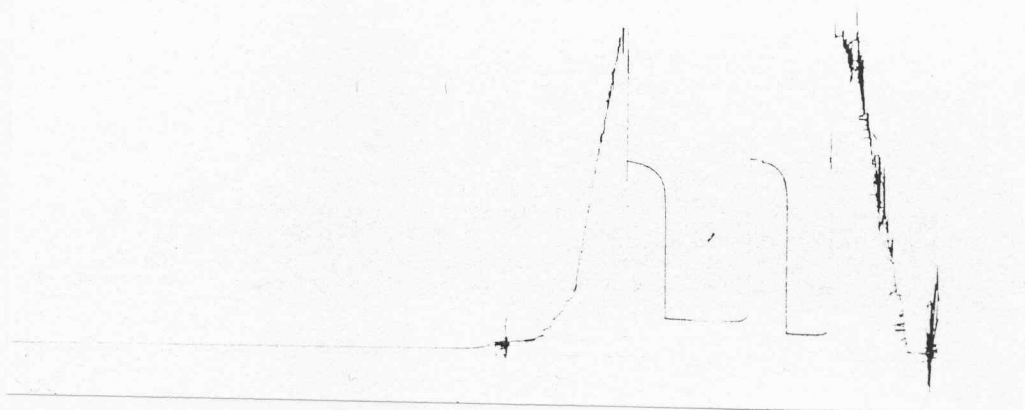


Inside Recorder

13759 .
~~OST#1~~

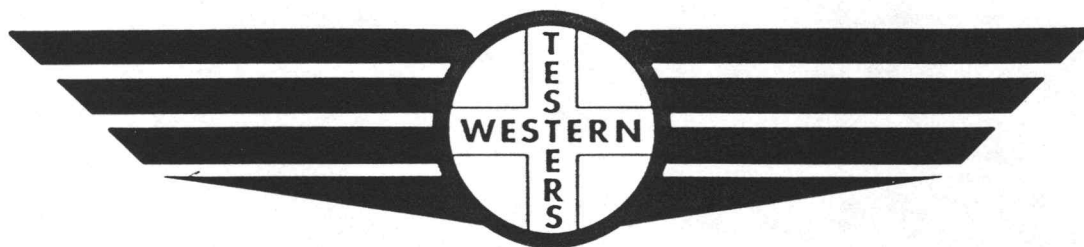
TKT # 9371

O



Outside Recorder

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.

#1 STRECKER "A"

SEC. 29

TWP. 11S

RGE. 14W

TEST NO. 2

DATE 1/2/86

SUBSURFACE PRESSURE SURVEY

DATE	:	1-2-86	TICKET	:	9372
CUSTOMER	:	RAINS & WILLIAMSON OIL CO INC	LEASE	:	STRECKER "A"
WELL	:	1	TEST:	:	2
ELEVATION	:	1825	GEOLOGIST	:	ENGELBRECHT
SECTION	:	29	FORMATION	:	KANSAS CITY
RANGE	:	14W	COUNTY	:	RUSSELL
GAUGE SN#	:	13762	STATE	:	KANSAS
			CLOCK	:	12
			RANGE	:	3925

INTERVAL FROM	:	3057	TO	:	3067	TOTAL DEPTH	:	3067
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3052	SIZE	:	6 5/8			
PACKER DEPTH	:	3057	SIZE	:	6 5/8			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	RAINS & WILLIAMSON DRLG			
MUD TYPE	:	STARCH	VISCOSITY	:	39
WEIGHT	:	9.8	WATER LOSS (CC)	:	15.2
CHLORIDES (PPM)	:	50000			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:	YES	REVERSED OUT ?	:	

DRILL COLLAR LENGTH	:	116	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	2920	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 STRONG BLOW. OFF BOTTOM
 BLOW COMMENT #2 : OF BUCKET IN 2 MINUTES. FINAL FLOW PERIOD
 BLOW COMMENT #3 : STRONG BLOW OFF BOTTOM OF BUCKET.
 BLOW COMMENT #4 :

RECOVERED	:	545	FT	OF:	GASSY CLEAN OIL.	7.08 Barrels
RECOVERED	:	0	FT	OF:	GRAVITY 44 AT 55 DEGREES.	0.00 Barrels
RECOVERED	:	480	FT	OF:	GASSY FROTHY OIL.	6.24 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	=	13.3		Total Production	=	213.1 Bpd

REMARK 1 : HIT BRIDGE AT 2392'. TOOL SLID 5' TO BOTTOM.
 REMARK 2 : GAS TO SURFACE IN 48 MINUTES ON THE INITIAL
 REMARK 3 : SHUT-IN. TOO WEAK TO GAUGE.
 REMARK 4 :

SET PACKER(S)	:	9:50 PM	TIME STARTED OFF BOTTOM	:	12:20 AM
WELL TEMPERATURE	:	96			
INITIAL HYDROSTATIC PRESSURE			(A)	:	1582
INITIAL FLOW PERIOD	MIN:	30	(B)	:	139
INITIAL CLOSED IN PERIOD	MIN:	30	(D)	:	966
FINAL FLOW PERIOD	MIN:	60	(E)	:	259
FINAL CLOSED IN PERIOD	MIN:	30	(G)	:	934
FINAL HYDROSTATIC PRESSURE			(H)	:	1574

Pressure Transient Report

DATA FILE.....

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

DATE OF TEST.....1-2-86

FIELD NAME.....STRECKER "A"

WELL NAME.....1

LOCATION.....RUSSELL-KANSAS

JOB NUMBER.....9372

GAUGE NUMBER.....13762

GAUGE DEPTH.....3067

COMMENTS

HIT BRIDGE AT 2392'. TOOL SLID 5' TO BOTTOM.
GAS TO SURFACE IN 48 MINUTES ON THE INITIAL
SHUT-IN. TOO WEAK TO GAUGE.

START UP TIME	(mo/da/yr)	(hr:min:sec)
	1./2/86.	9.: 50.: 0.

COMPANY : RAINS & WILLIAMSON OIL CO INC FIELD : STRECKER "A"
WELL : 1 JOB # : 9372
GAUGE # : 13762 DEPTH : 3067
MON/DAY : 1/ 2

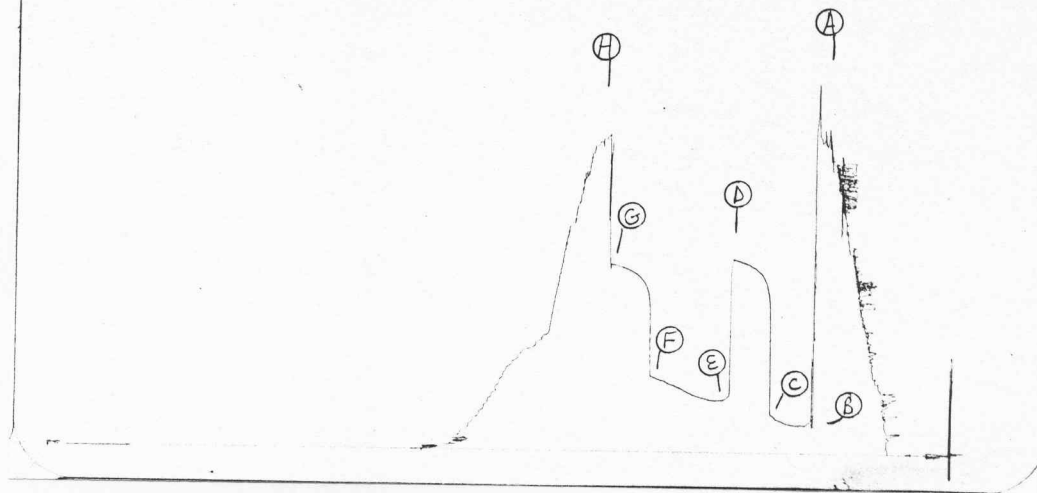
PAGE 1

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	9:50: 0	0 0.000	139.00	96.0	0.00	60.00
2	9:55: 0	5 0.083	139.00	96.0	0.00	0.00
3	10: 0: 0	10 0.167	139.00	96.0	0.00	0.00
4	10: 5: 0	15 0.250	139.00	96.0	0.00	0.00
5	10:10: 0	20 0.333	151.00	96.0	12.00	144.00
6	10:15: 0	25 0.417	162.00	96.0	23.00	132.00
7	10:20: 0	30 0.500	187.00	96.0	48.00	300.00
8	10:23: 0	33 0.550	802.00	96.0	663.00	12299.25
9	10:26: 0	36 0.600	872.00	96.0	733.00	1400.02
10	10:29: 0	39 0.650	901.00	96.0	762.00	580.01
11	10:32: 0	42 0.700	919.00	96.0	780.00	360.01
12	10:35: 0	45 0.750	930.00	96.0	791.00	220.00
13	10:38: 0	48 0.800	942.00	96.0	803.00	239.99
14	10:41: 0	51 0.850	948.00	96.0	809.00	120.00
15	10:44: 0	54 0.900	957.00	96.0	818.00	180.00
16	10:47: 0	57 0.950	963.00	96.0	824.00	120.00
17	10:50: 0	60 1.000	966.00	96.0	827.00	60.00
18	10:51: 0	61 1.017	259.00	96.0	120.00	-42420.65
19	10:55: 0	65 1.083	259.00	96.0	120.00	0.00
20	11: 0: 0	70 1.167	259.00	96.0	120.00	0.00
21	11: 5: 0	75 1.250	263.00	96.0	124.00	48.00
22	11:10: 0	80 1.333	273.00	96.0	134.00	120.00
23	11:15: 0	85 1.417	284.00	96.0	145.00	132.00
24	11:20: 0	90 1.500	298.00	96.0	159.00	168.00
25	11:25: 0	95 1.583	317.00	96.0	178.00	227.99
26	11:30: 0	100 1.667	330.00	96.0	191.00	156.00
27	11:35: 0	105 1.750	347.00	96.0	208.00	204.00
28	11:40: 0	110 1.833	359.00	96.0	220.00	144.00
29	11:45: 0	115 1.917	374.00	96.0	235.00	180.00
30	11:50: 0	120 2.000	378.00	96.0	239.00	48.00
31	11:53: 0	123 2.050	777.00	96.0	638.00	7979.51
32	11:56: 0	126 2.100	845.00	96.0	706.00	1360.02
33	11:59: 0	129 2.150	868.00	96.0	729.00	460.01
34	12: 2: 0	132 2.200	888.00	96.0	749.00	400.01
35	12: 5: 0	135 2.250	901.00	96.0	762.00	260.00
36	12: 8: 0	138 2.300	913.00	96.0	774.00	239.99
37	12:11: 0	141 2.350	919.00	96.0	780.00	120.00
38	12:14: 0	144 2.400	924.00	96.0	785.00	100.00
39	12:17: 0	147 2.450	930.00	96.0	791.00	120.00
40	12:20: 0	150 2.500	934.00	96.0	795.00	80.00

13762
OST#2

TKT # 9372

I

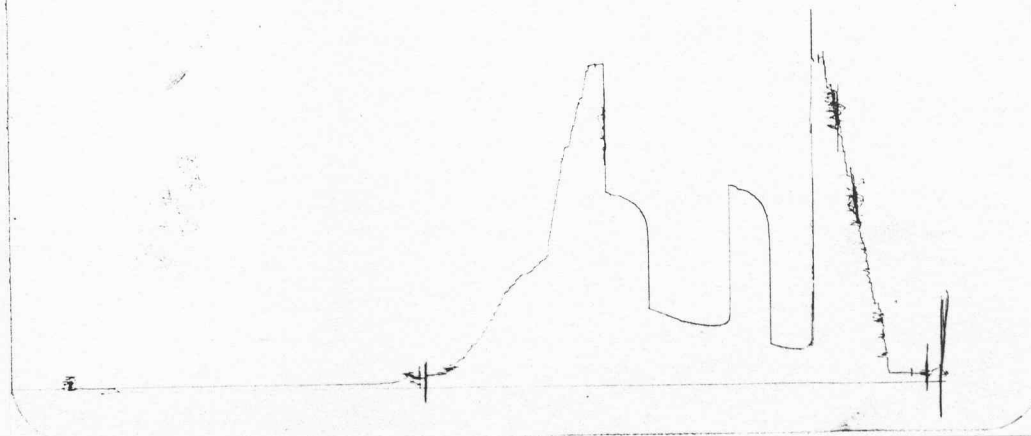


Inside Recorder

13759
OST 2

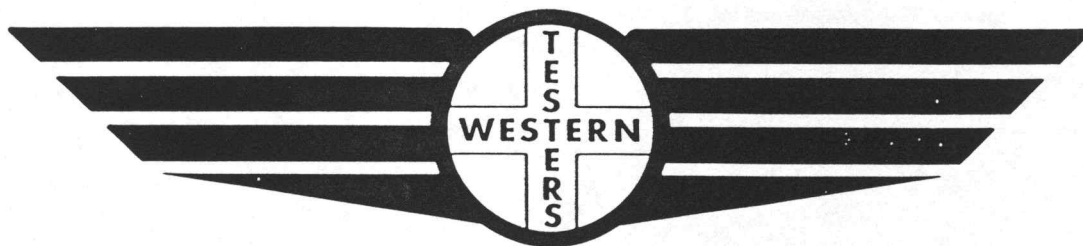
TKT # 9372

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Outside Recorder

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. #1 STRECKER "A" SEC. 29 TWP. 11S RGE. 14W TEST NO. 3 DATE 1/2/86

SUBSURFACE PRESSURE SURVEY

DATE : 1-2-86 TICKET : 9373
 CUSTOMER : RAINS & WILLIAMSON OIL CO INC LEASE : STRECKER "A"
 WELL : 1 TEST: 3 GEOLOGIST : ENGELBRECHT
 ELEVATION : 1825 FORMATION : KANSAS CITY
 SECTION : 29 TOWNSHIP : 11S
 RANGE : 14W COUNTY : RUSSELL STATE : KANSAS
 GAUGE SN# : 13762 RANGE : 3925 CLOCK : 12

INTERVAL FROM : 3102 TO : 3127 TOTAL DEPTH : 3127
 DEPTH OF SELECTIVE ZONE :
 PACKER DEPTH : 3097 SIZE : 6 5/8
 PACKER DEPTH : 3102 SIZE : 6 5/8
 PACKER DEPTH : SIZE :
 PACKER DEPTH : SIZE :

DRILLING CON. : RAINS & WILLIAMSON DRLG
 MUD TYPE : STARCH VISCOSITY : 42
 WEIGHT : 9.4 WATER LOSS (CC) : 12.0
 CHLORIDES (PPM) : 56000
 JARS-MAKE : SERIAL NUMBER :
 DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 116 FT I.D. inch : 2.25
 WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
 DRILL PIPE LENGTH : 2965 FT I.D. inch : 3.80
 TEST TOOL LENGTH : 21 FT TOOL SIZE : 5.50
 ANCHOR LENGTH : 25 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 STRONG BLOW. OFF BOTTOM
 BLOW COMMENT #2 : OF BUCKET IN 5 MINUTES. FINAL FLOW PERIOD
 BLOW COMMENT #3 : FAIR BLOW BUILDING TO A STRONG BLOW. OFF
 BLOW COMMENT #4 : BOTTOM OF BUCKET IN 13 MINUTES.

RECOVERED : 50 FT OF: HVY O & G CUT WTY MUD. 0.64 Barrels
 RECOVERED : 0 FT OF: (10%G; 30%O; 10%W; 50%M). 0.00 Barrels
 RECOVERED : 480 FT OF: GASSY OIL CUT WATER. 6.16 Barrels
 RECOVERED : 0 FT OF: (40%GAS; 20%OIL; 40%WTR). 0.00 Barrels
 RECOVERED : 120 FT OF: SL OIL CUT WATER. 1.54 Barrels
 RECOVERED : 0 FT OF: (10%GAS; 10%OIL; 80%WTR). 0.00 Barrels
 RECOVERED : 240 FT OF: GASSY SALT WATER. 3.08 Barrels
 RECOVERED : 0 FT OF: (100% WATER). 0.00 Barrels
 RECOVERED : 0 FT OF: CHLORIDES 83000 PPM. 0.00 Barrels
 Total Barrels = 11.4 Total Production = 182.8 Bpd

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

SET PACKER(S) : 4:10 PM TIME STARTED OFF BOTTOM : 6:40 PM
 WELL TEMPERATURE : 98
 INITIAL HYDROSTATIC PRESSURE (A) 1559
 INITIAL FLOW PERIOD MIN: 30 (B) 101 PSI TO (C) : 204
 INITIAL CLOSED IN PERIOD MIN: 30 (D) 832
 FINAL FLOW PERIOD MIN: 60 (E) 264 PSI TO (F) : 401
 FINAL CLOSED IN PERIOD MIN: 30 (G) 811
 FINAL HYDROSTATIC PRESSURE (H) 1547

Pressure Transient Report

DATA FILE.....

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

DATE OF TEST.....1-2-86

FIELD NAME.....STRECKER "A"

WELL NAME.....1

LOCATION.....RUSSELL-KANSAS

JOB NUMBER.....9373

GAUGE NUMBER.....13762

GAUGE DEPTH.....3127

COMMENTS

START UP TIME	(mo/da/yr)	(hr:min:sec)
	1./2/86.	4.: 10.: 0.

COMPANY : RAINS & WILLIAMSON OIL CO INC FIELD : STRECKER "A"
WELL : 1 JOB # : 9373
GAUGE # : 13762 DEPTH : 3127
MON/DAY : 1/ 2

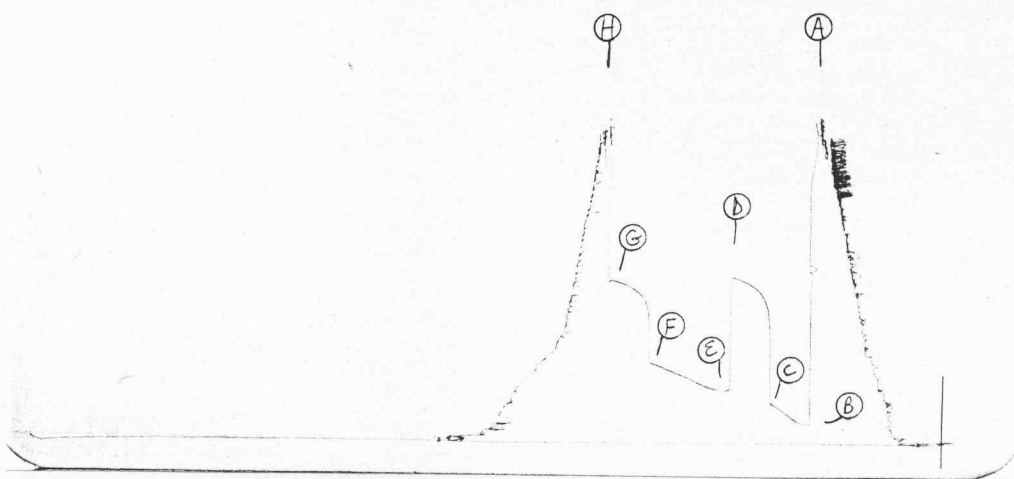
PAGE 1

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	4:10: 0	0 0.000	101.00	98.0	0.00	80.00
2	4:15: 0	5 0.083	103.00	98.0	2.00	24.00
3	4:20: 0	10 0.167	115.00	98.0	14.00	144.00
4	4:25: 0	15 0.250	137.00	98.0	36.00	264.00
5	4:30: 0	20 0.333	164.00	98.0	63.00	324.00
6	4:35: 0	25 0.417	185.00	98.0	84.00	252.00
7	4:40: 0	30 0.500	204.00	98.0	103.00	228.00
8	4:43: 0	33 0.550	672.00	98.0	571.00	9359.79
9	4:46: 0	36 0.600	727.00	98.0	626.00	1100.02
10	4:49: 0	39 0.650	758.00	98.0	657.00	619.99
11	4:52: 0	42 0.700	779.00	98.0	678.00	420.01
12	4:55: 0	45 0.750	791.00	98.0	690.00	240.00
13	4:58: 0	48 0.800	802.00	98.0	701.00	219.99
14	5: 1: 0	51 0.850	812.00	98.0	711.00	200.00
15	5: 4: 0	54 0.900	820.00	98.0	719.00	160.00
16	5: 7: 0	57 0.950	828.00	98.0	727.00	160.00
17	5:10: 0	60 1.000	832.00	98.0	731.00	80.00
18	5:11: 0	61 1.017	264.00	98.0	163.00	-34080.52
19	5:15: 0	65 1.083	264.00	98.0	163.00	0.00
20	5:20: 0	70 1.167	269.00	98.0	168.00	60.00
21	5:25: 0	75 1.250	277.00	98.0	176.00	96.00
22	5:30: 0	80 1.333	290.00	98.0	189.00	156.00
23	5:35: 0	85 1.417	305.00	98.0	204.00	180.00
24	5:40: 0	90 1.500	321.00	98.0	220.00	192.00
25	5:45: 0	95 1.583	336.00	98.0	235.00	180.00
26	5:50: 0	100 1.667	348.00	98.0	247.00	144.00
27	5:55: 0	105 1.750	363.00	98.0	262.00	180.00
28	6: 0: 0	110 1.833	378.00	98.0	277.00	180.00
29	6: 5: 0	115 1.917	389.00	98.0	288.00	132.00
30	6:10: 0	120 2.000	401.00	98.0	300.00	144.00
31	6:13: 0	123 2.050	698.00	98.0	597.00	5939.86
32	6:16: 0	126 2.100	733.00	98.0	632.00	700.01
33	6:19: 0	129 2.150	754.00	98.0	653.00	419.99
34	6:22: 0	132 2.200	767.00	98.0	666.00	260.00
35	6:25: 0	135 2.250	779.00	98.0	678.00	240.00
36	6:28: 0	138 2.300	789.00	98.0	688.00	200.00
37	6:31: 0	141 2.350	797.00	98.0	696.00	160.00
38	6:34: 0	144 2.400	802.00	98.0	701.00	100.00
39	6:37: 0	147 2.450	808.00	98.0	707.00	120.00
40	6:40: 0	150 2.500	811.00	98.0	710.00	60.00

13762
DST#3

TKT # 9373

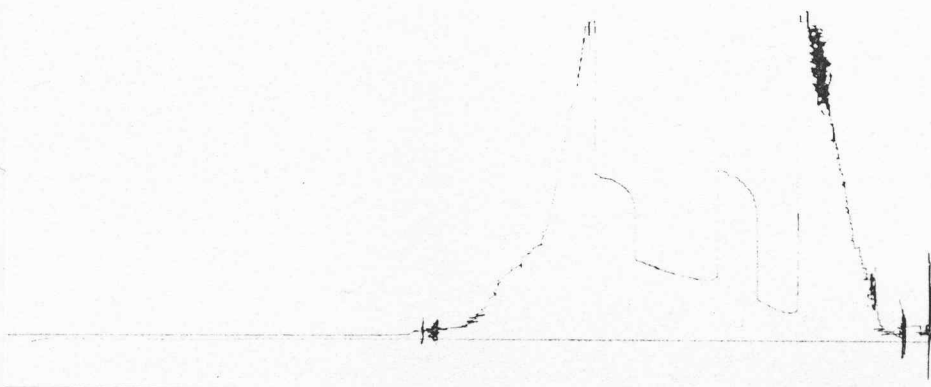
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Inside Recorder

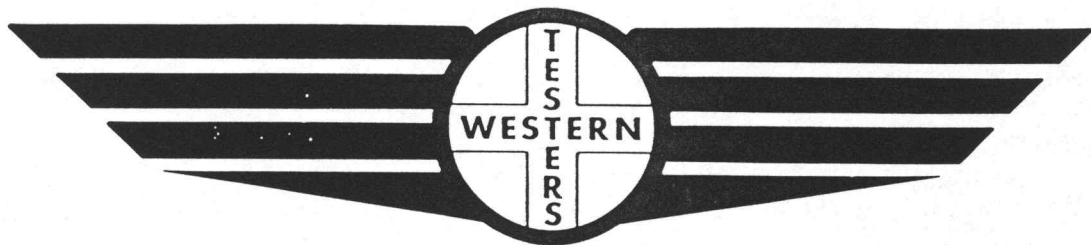
TKT # 9373

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Outside Recorder

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.

#1 STRECKER "A"

SEC. 29

TWP. 11S

RGE. 14W

TEST NO. 4

DATE 1/3/86

SUBSURFACE PRESSURE SURVEY

DATE	:	1-3-86	TICKET	:	9374
CUSTOMER	:	RAINS & WILLIAMSON OIL CO INC	LEASE	:	STRECKER "A"
WELL	:	1	TEST:	:	4
ELEVATION	:	1825	GEOLOGIST	:	ENGELBRECHT
SECTION	:	29	FORMATION	:	KANSAS CITY
RANGE	:	14W	COUNTY	:	RUSSELL
GAUGE SN#	:	13762	RANGE	:	3925
			STATE	:	KANSAS
			CLOCK	:	12

INTERVAL FROM	:	3172	TO	:	3189	TOTAL DEPTH	:	3189
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3167	SIZE	:	6 5/8			
PACKER DEPTH	:	3172	SIZE	:	6 5/8			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	RAINS & WILLIAMSON DRLG			
MUD TYPE	:	STARCH	VISCOSITY	:	39
WEIGHT	:	9.5	WATER LOSS (CC)	:	13.2
CHLORIDES (PPM)	:	52000			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:		REVERSED OUT ?	:	

DRILL COLLAR LENGTH	:	116	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3035	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	21	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	17	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 : STRONG BLOW OFF BOTTOM OF BUCKET
 BLOW COMMENT #2 : THROUGHOUT TEST.
 BLOW COMMENT #3 :
 BLOW COMMENT #4 :

RECOVERED	:	1750	FT	OF: GASSY FROTHY OIL.	:	23.49 Barrels
RECOVERED	:	0	FT	OF: 28 GRAVITY AT 64 DEGREES.	:	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 =	:	23.5		Total Production =	:	375.8 Bpd

REMARK 1 : 300 FEET OF GAS ABOVE FLUID.
 REMARK 2 :
 REMARK 3 :
 REMARK 4 :

SET PACKER(S)	:	9:45 AM	TIME STARTED OFF BOTTOM	:	12:15 PM
WELL TEMPERATURE	:	100			
INITIAL HYDROSTATIC PRESSURE			(A)	:	1647
INITIAL FLOW PERIOD	MIN:	30	(B)	:	99 PSI TO (C) : 282
INITIAL CLOSED IN PERIOD	MIN:	30	(D)	:	1093
FINAL FLOW PERIOD	MIN:	60	(E)	:	357 PSI TO (F) : 605
FINAL CLOSED IN PERIOD	MIN:	30	(G)	:	1074
FINAL HYDROSTATIC PRESSURE			(H)	:	1637

Pressure Transient Report

DATA FILE.....

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

DATE OF TEST.....1-3-86

FIELD NAME.....STRECKER "A"

WELL NAME.....1

LOCATION.....RUSSELL-KANSAS

JOB NUMBER.....9374

GAUGE NUMBER.....13762

GAUGE DEPTH.....3189

COMMENTS

300 FEET OF GAS ABOVE FLUID.

START UP TIME	(mo/da/yr)	(hr:min:sec)
	1./3/86.	9.: 45.: 0.

COMPANY : RAINS & WILLIAMSON OIL CO INC FIELD : STRECKER "A"
WELL : 1 JOB # : 9374
GAUGE # : 13762 DEPTH : 3189
MON/DAY : 1/ 3

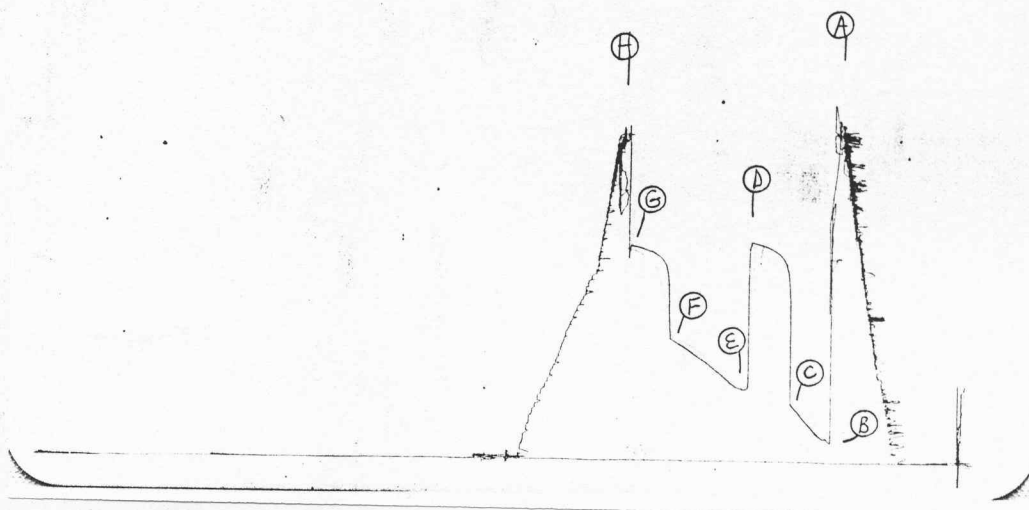
PAGE 1

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	9:45: 0	0 0.000	99.00	100.0	0.00	60.00
2	9:50: 0	5 0.083	118.00	100.0	19.00	228.00
3	9:55: 0	10 0.167	132.00	100.0	33.00	167.99
4	10: 0: 0	15 0.250	168.00	100.0	69.00	432.01
5	10: 5: 0	20 0.333	202.00	100.0	103.00	408.01
6	10:10: 0	25 0.417	246.00	100.0	147.00	527.98
7	10:15: 0	30 0.500	282.00	100.0	183.00	432.01
8	10:18: 0	33 0.550	806.00	100.0	707.00	10480.16
9	10:21: 0	36 0.600	976.00	100.0	877.00	3400.05
10	10:24: 0	39 0.650	1021.00	100.0	922.00	899.95
11	10:27: 0	42 0.700	1043.00	100.0	944.00	440.01
12	10:30: 0	45 0.750	1054.00	100.0	955.00	220.00
13	10:33: 0	48 0.800	1064.00	100.0	965.00	200.00
14	10:36: 0	51 0.850	1074.00	100.0	975.00	200.00
15	10:39: 0	54 0.900	1082.00	100.0	983.00	159.99
16	10:42: 0	57 0.950	1088.00	100.0	989.00	120.00
17	10:45: 0	60 1.000	1093.00	100.0	994.00	100.00
18	10:46: 0	61 1.017	357.00	100.0	258.00	-44160.68
19	10:50: 0	65 1.083	357.00	100.0	258.00	0.00
20	10:55: 0	70 1.167	369.00	100.0	270.00	144.00
21	11: 0: 0	75 1.250	396.00	100.0	297.00	324.00
22	11: 5: 0	80 1.333	426.00	100.0	327.00	360.01
23	11:10: 0	85 1.417	454.00	100.0	355.00	335.99
24	11:15: 0	90 1.500	480.00	100.0	381.00	312.00
25	11:20: 0	95 1.583	504.00	100.0	405.00	288.00
26	11:25: 0	100 1.667	527.00	100.0	428.00	275.99
27	11:30: 0	105 1.750	550.00	100.0	451.00	276.00
28	11:35: 0	110 1.833	574.00	100.0	475.00	288.00
29	11:40: 0	115 1.917	591.00	100.0	492.00	203.99
30	11:45: 0	120 2.000	605.00	100.0	506.00	168.00
31	11:48: 0	123 2.050	957.00	100.0	858.00	7040.11
32	11:51: 0	126 2.100	1000.00	100.0	901.00	860.01
33	11:54: 0	129 2.150	1023.00	100.0	924.00	459.97
34	11:57: 0	132 2.200	1035.00	100.0	936.00	240.00
35	12: 0: 0	135 2.250	1047.00	100.0	948.00	240.00
36	12: 3: 0	138 2.300	1053.00	100.0	954.00	120.00
37	12: 6: 0	141 2.350	1060.00	100.0	961.00	140.00
38	12: 9: 0	144 2.400	1065.00	100.0	966.00	99.99
39	12:12: 0	147 2.450	1070.00	100.0	971.00	100.00
40	12:15: 0	150 2.500	1074.00	100.0	975.00	80.00

13762
DST#4

TKT # 9374

I

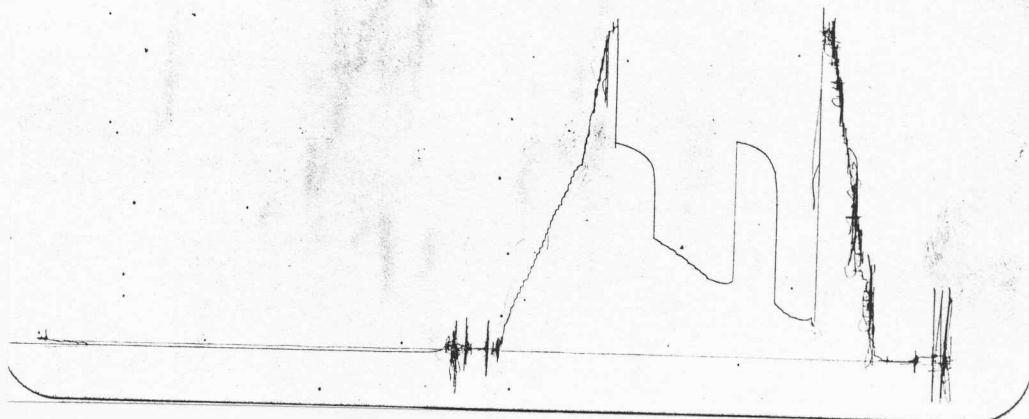


Inside Recorder

13759
DST#4

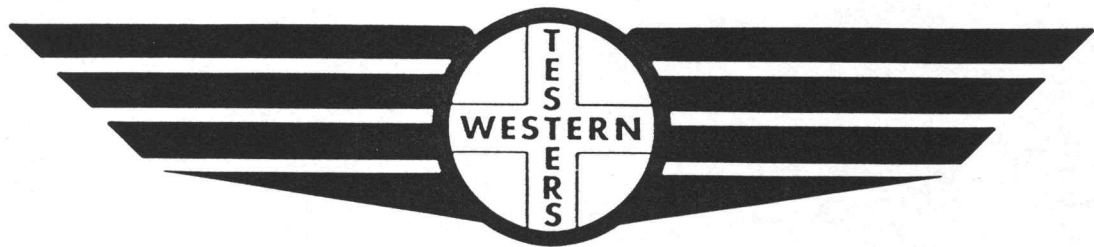
TKT # 9374

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Outside Recorder

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. #1 STRECKER "A"

SEC. 29 TWP. 11S RGE. 14W TEST NO. 5 DATE 1/3/86

SUBSURFACE PRESSURE SURVEY

DATE : 1-3-86 TICKET : 9375
 CUSTOMER : RAINS & WILLIAMSON OIL CO INC LEASE : STRECKER "A"
 WELL : 1 TEST: 5 GEOLOGIST : ENGELBRECHT
 ELEVATION : 1825 FORMATION : KANSAS CITY
 SECTION : 29 TOWNSHIP : 11S
 RANGE : 14W COUNTY : RUSSELL STATE : KANSAS
 GAUGE SN# : 13762 RANGE : 3925 CLOCK : 12

INTERVAL FROM : 3200 TO : 3216 TOTAL DEPTH : 3216
 DEPTH OF SELECTIVE ZONE :
 PACKER DEPTH : 3195 SIZE : 6 5/8
 PACKER DEPTH : 3200 SIZE : 6 5/8
 PACKER DEPTH : SIZE :
 PACKER DEPTH : SIZE :

DRILLING CON. : RAINS & WILLIAMSON DRLG
 MUD TYPE : STARCH VISCOSITY : 39
 WEIGHT : 9.5 WATER LOSS (CC) : 13.2
 CHLORIDES (PPM) : 52000
 JARS-MAKE : SERIAL NUMBER :
 DID WELL FLOW ? : REVERSED OUT ? :

DRILL COLLAR LENGTH : 116 FT I.D. inch : 2.25
 WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
 DRILL PIPE LENGTH : 3063 FT I.D. inch : 3.80
 TEST TOOL LENGTH : 21 FT TOOL SIZE : 5.50
 ANCHOR LENGTH : 16 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. DIED IN 25 MINUTES. FINAL FLOW PERIOD
 BLOW COMMENT #3 : NO BLOW. FLUSHED TOOL; GOT SURGE. REMAINED
 BLOW COMMENT #4 : DEAD THROUGHOUT.

RECOVERED : 30 FT OF: OIL SPECKED MUD. 0.15 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 = 3.5 Bpd

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

SET PACKER(S) : 11:30 PM TIME STARTED OFF BOTTOM : 1:30 AM
 WELL TEMPERATURE : 100
 INITIAL HYDROSTATIC PRESSURE (A) 1613
 INITIAL FLOW PERIOD MIN: 30 (B) 38 PSI TO (C) : 38
 INITIAL CLOSED IN PERIOD MIN: 33 (D) 1031
 FINAL FLOW PERIOD MIN: 30 (E) 53 PSI TO (F) : 53
 FINAL CLOSED IN PERIOD MIN: 30 (G) 134
 FINAL HYDROSTATIC PRESSURE (H) 1585

Pressure Transient Report

DATA FILE.....

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

DATE OF TEST.....1-3-86

FIELD NAME.....STRECKER "A"

WELL NAME.....1

LOCATION.....RUSSELL-KANSAS

JOB NUMBER.....9375

GAUGE NUMBER.....13762

GAUGE DEPTH.....3216

COMMENTS

START UP TIME	(mo/da/yr)	(hr:min:sec)
	1./3/86.	11.: 30.: 0.

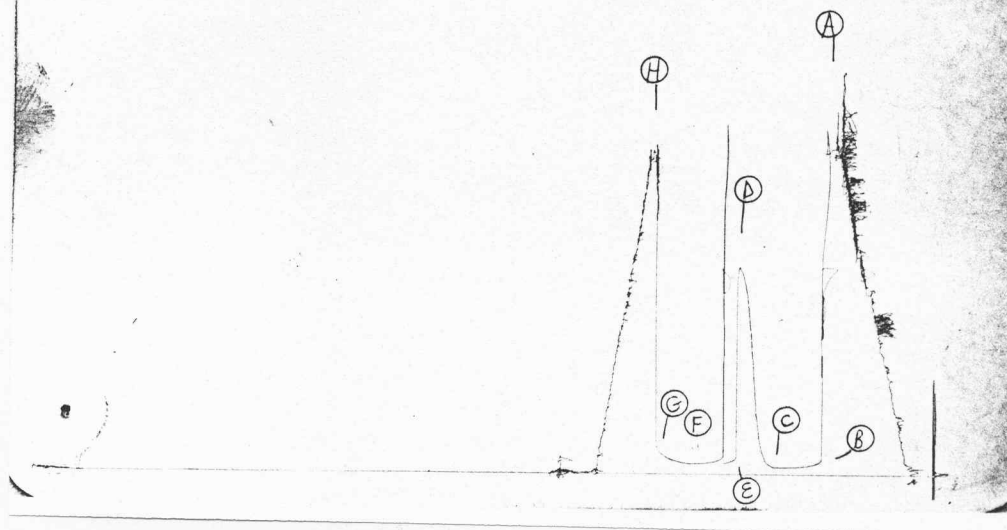
COMPANY : RAINS & WILLIAMSON OIL CO INC FIELD : STRECKER "A"
WELL : 1 JOB # : 9375
GAUGE # : 13762 DEPTH : 3216
MON/DAY : 1/ 3

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	11:30: 0	0 0.000	38.00	100.0	0.00	80.00
2	11:35: 0	5 0.083	38.00	100.0	0.00	0.00
3	11:40: 0	10 0.167	38.00	100.0	0.00	0.00
4	11:45: 0	15 0.250	38.00	100.0	0.00	0.00
5	11:50: 0	20 0.333	38.00	100.0	0.00	0.00
6	11:55: 0	25 0.417	38.00	100.0	0.00	0.00
7	12: 0: 0	30 0.500	38.00	100.0	0.00	0.00
8	12: 3: 0	33 0.550	38.00	100.0	0.00	0.00
9	12: 6: 0	36 0.600	38.00	100.0	0.00	0.00
10	12: 9: 0	39 0.650	44.00	100.0	6.00	119.99
11	12:12: 0	42 0.700	60.00	100.0	22.00	320.00
12	12:15: 0	45 0.750	115.00	100.0	77.00	1100.02
13	12:18: 0	48 0.800	219.00	100.0	181.00	2080.03
14	12:21: 0	51 0.850	441.00	100.0	403.00	4440.07
15	12:24: 0	54 0.900	698.00	100.0	660.00	5139.69
16	12:27: 0	57 0.950	897.00	100.0	859.00	3980.06
17	12:30: 0	60 1.000	993.00	100.0	955.00	1920.03
18	12:33: 0	63 1.050	1031.00	100.0	993.00	760.01
19	12:34: 0	64 1.067	53.00	100.0	15.00	-58680.90
20	12:38: 0	68 1.133	53.00	100.0	15.00	0.00
21	12:43: 0	73 1.217	53.00	100.0	15.00	0.00
22	12:48: 0	78 1.300	61.00	100.0	23.00	96.00
23	12:53: 0	83 1.383	54.00	100.0	16.00	-84.00
24	12:58: 0	88 1.467	53.00	100.0	15.00	-12.00
25	13: 3: 0	93 1.550	53.00	100.0	15.00	0.00
26	13: 6: 0	96 1.600	53.00	100.0	15.00	0.00
27	13: 9: 0	99 1.650	53.00	100.0	15.00	0.00
28	13:12: 0	102 1.700	53.00	100.0	15.00	0.00
29	13:15: 0	105 1.750	56.00	100.0	18.00	60.00
30	13:18: 0	108 1.800	62.00	100.0	24.00	120.00
31	13:21: 0	111 1.850	69.00	100.0	31.00	140.00
32	13:24: 0	114 1.900	77.00	100.0	39.00	159.99
33	13:27: 0	117 1.950	86.00	100.0	48.00	180.00
34	13:30: 0	120 2.000	103.00	100.0	65.00	340.01
35	13:33: 0	123 2.050	134.00	100.0	96.00	620.01

13762
OST#5

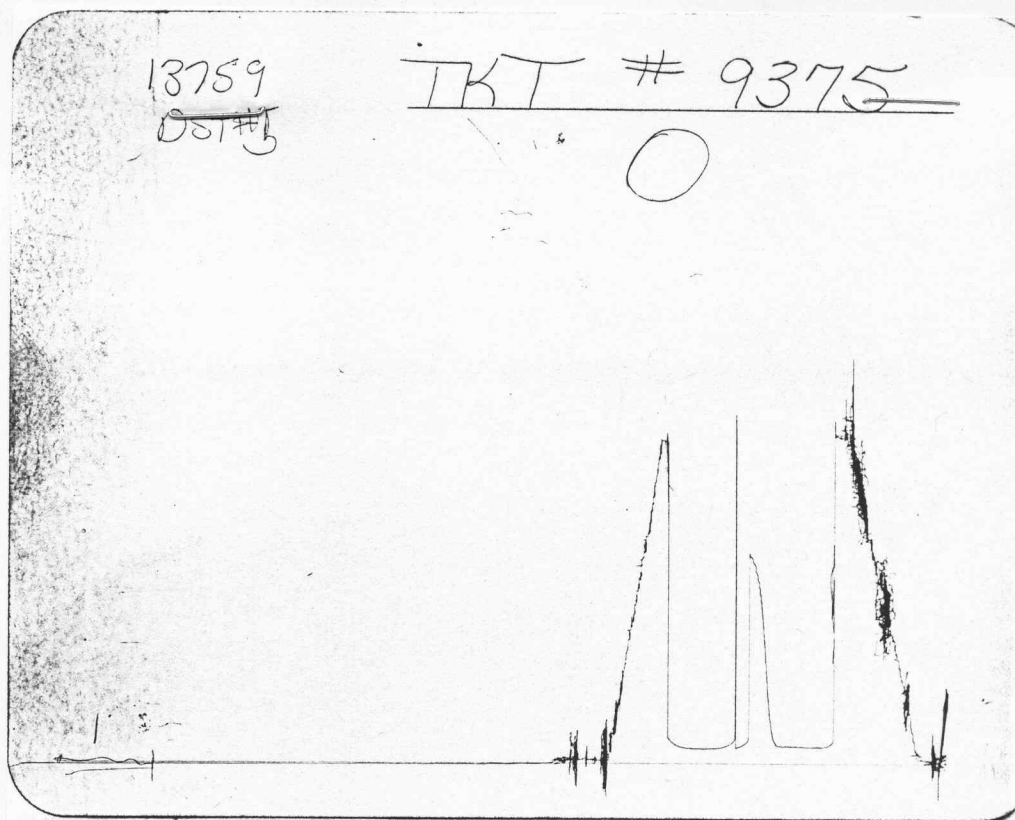
TKT # 9375
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Inside Recorder

13759
OST#5

TKT # 9375
O



Outside Recorder