COMPANY RAINS & WILLIAMSON OIL CO INC LEASE & WELL NO. VAN RENSSELAER #1 SEC. 8 TWP. 14S RGE. 29W TEST NO. 1 DATE 2/11/88

FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

RECOVERED : 70 FT OF: WATERY MUD / WITH FEW OIL SPOTS

CHLORIDES: 17000 PPM

Total Barrels Fluid = 0.33
Total Fluid Prod Rate = 8.62 BFPD
Indicated Wtr Rate = 4.31 BWPD

REMARK 1 : FLUSHED TOOL FINAL FLOW.
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 11:25 AM TIME STARTED OFF BOTTOM : 1:25 PM
WELL TEMPERATURE : 113

INITIAL HYDROSTATIC PRESSURE			(A)	1856		
INITIAL FLOW PERIOD	MIN:	30	(B)	69	PSI TO (C) :	69
INITIAL CLOSED IN PERIOD	MIN:	30	(D)	951		
FINAL FLOW PERIOD	MIN:	25	(E)	107	PSI TO (F) :	91
FINAL CLOSED IN PERIOD	MIN:	33	(G)	931		
FINAL HYDROSTATIC PRESSURE			(H)	1828		

COMPANY : RAINS & WILLIAMSON OIL CO. INC.

WELL : #1
GAUGE # : 1566
DATE : 11/ 2/88

FIELD : VAN RENSSELAER
JOB # : 12723
DEPTH : 3722
TEST : FLUSHED TOOL FINAL FLOW.

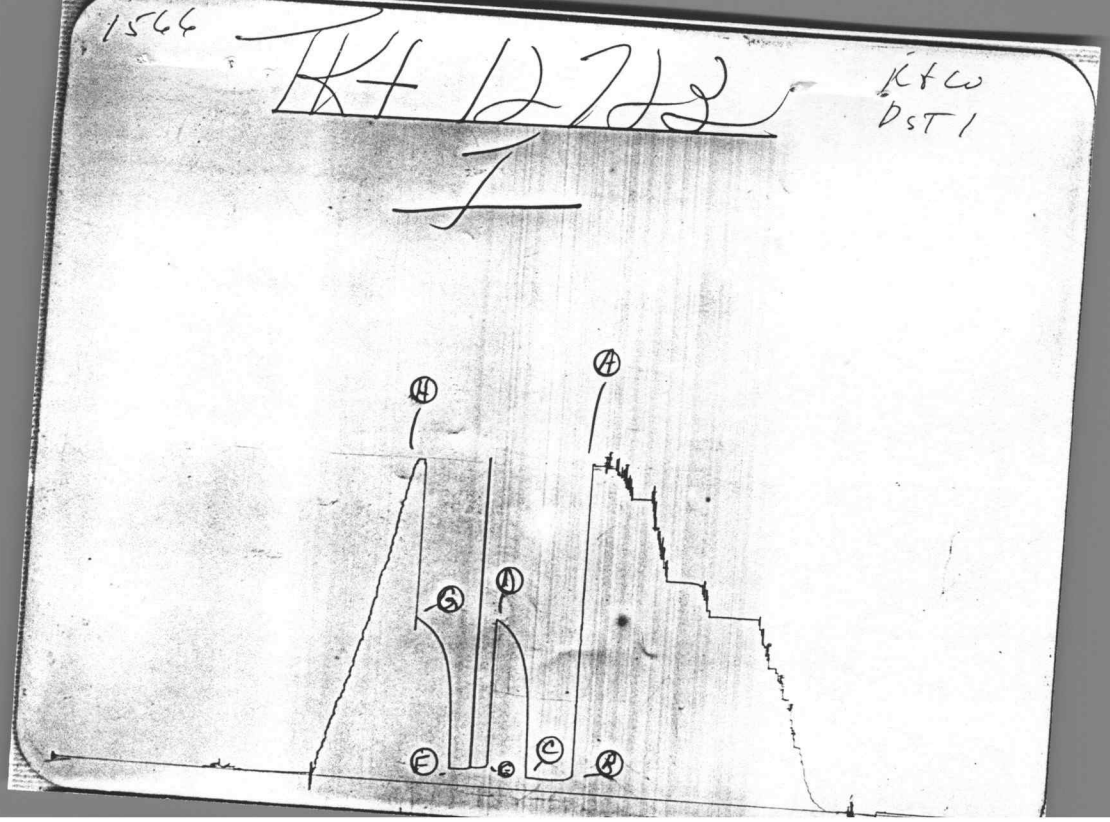
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	11:25: 0	0.000	69.000	113.00	0.000
2	11:29:59	0.083	69.000	113.00	0.000
3	11:35: 0	0.167	69.000	113.00	0.000
4	11:40: 0	0.250	69.000	113.00	0.000
5	11:44:59	0.333	69.000	113.00	0.000
6	11:50: 0	0.417	69.000	113.00	0.000
7	11:55: 0	0.500	69.000	113.00	0.000
8	11:58: 0	0.550	376.000	113.00	307.000
9	12: 1: 0	0.600	612.000	113.00	236.000
10	12: 4: 0	0.650	715.000	113.00	103.000
11	12: 7: 0	0.700	781.000	113.00	66.000
12	12:10: 0	0.750	823.000	113.00	42.000
13	12:13: 0	0.800	860.000	113.00	37.000
14	12:16: 0	0.850	887.000	113.00	27.000
15	12:19: 0	0.900	912.000	113.00	25.000
16	12:22: 0	0.950	931.000	113.00	19.000
17	12:25: 0	1.000	951.000	113.00	20.000
18	12:26: 0	1.017	107.000	113.00	-844.000
19	12:29:59	1.083	107.000	113.00	0.000
20	12:35: 0	1.167	107.000	113.00	0.000
21	12:40: 0	1.250	96.000	113.00	-11.000
22	12:44:59	1.333	93.000	113.00	-3.000
23	12:50: 0	1.417	91.000	113.00	-2.000
24	12:53: 0	1.467	428.000	113.00	337.000
25	12:56: 0	1.517	624.000	113.00	196.000
26	12:59: 0	1.567	712.000	113.00	88.000
27	13: 2: 0	1.617	760.000	113.00	48.000
28	13: 5: 0	1.667	806.000	113.00	46.000
29	13: 8: 0	1.717	837.000	113.00	31.000
30	13:11: 0	1.767	865.000	113.00	28.000
31	13:14: 0	1.817	885.000	113.00	20.000
32	13:17: 0	1.867	902.000	113.00	17.000
33	13:20: 0	1.917	917.000	113.00	15.000
34	13:23: 0	1.967	931.000	113.00	14.000

1566

KH 12732

F

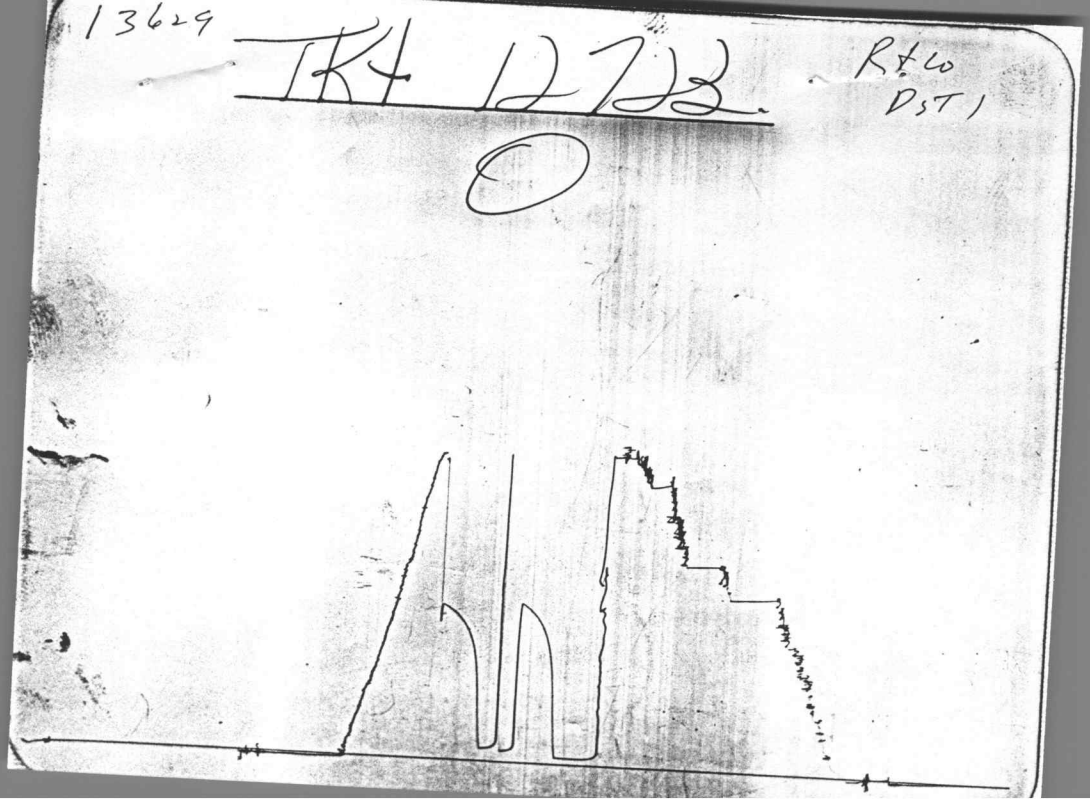
KHW
DST 1



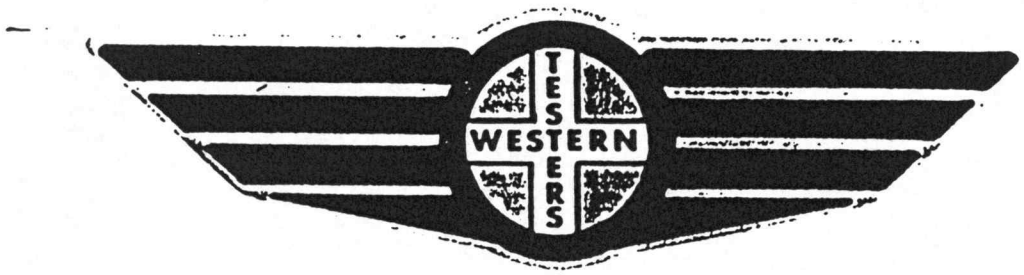
13629

IK+ 1272

R+W
DST 1



FORMATION TEST REPORT



Home Office:

P.O. Box 1599

Wichita, Kansas 67201

Phone (316) 262-5861

COMPANY RAINS & WILLIAMSON OIL CO INC. LEASE & WELL NO. VAN RENSSELAER #1 SEC. 8 TWP. 14S RGE. 29W TEST NO. 2 DATE 2-12-88

RECOVERED : 440 FT OF: SALT WATER /WITH FEW SPOTS OF OIL ON TOP

CHLORIDES: 51000 PPM

Total Barrels Fluid = 5.05
Total Fluid Prod Rate = 80.84 BFPD
Indicated Wtr Rate = 80.84 BWPD

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

SET PACKER(S) : 3:25 AM TIME STARTED OFF BOTTOM : 6:40 AM
WELL TEMPERATURE : 113

INITIAL HYDROSTATIC PRESSURE			(A)	1911		
INITIAL FLOW PERIOD	MIN:	30	(B)	79	PSI TO (C) :	108
INITIAL CLOSED IN PERIOD	MIN:	48	(D)	1054		
FINAL FLOW PERIOD	MIN:	60	(E)	181	PSI TO (F) :	231
FINAL CLOSED IN PERIOD	MIN:	63	(G)	1050		
FINAL HYDROSTATIC PRESSURE			(H)	1838		

COMPANY : RAINS & WILLIAMSON OIL CO INC
WELL : #1
GAUGE # : 1566
DATE : 12/ 2/88

FIELD : VAN RENSSELAER
JOB # : 12724
DEPTH : 3777
TEST :

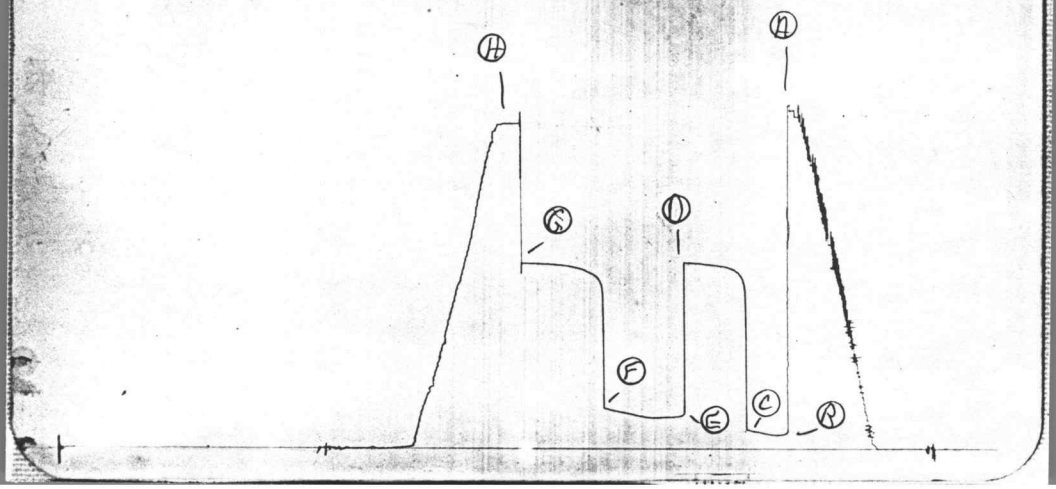
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	3:25: 0	0.000	79.000	113.00	0.000
2	3:29:59	0.083	79.000	113.00	0.000
3	3:35: 0	0.167	79.000	113.00	0.000
4	3:40: 0	0.250	83.000	113.00	4.000
5	3:44:59	0.333	92.000	113.00	9.000
6	3:50: 0	0.417	97.000	113.00	5.000
7	3:55: 0	0.500	108.000	113.00	11.000
8	3:58: 0	0.550	828.000	113.00	720.000
9	4: 1: 0	0.600	961.000	113.00	133.000
10	4: 4: 0	0.650	998.000	113.00	37.000
11	4: 7: 0	0.700	1014.000	113.00	16.000
12	4:10: 0	0.750	1024.000	113.00	10.000
13	4:13: 0	0.800	1030.000	113.00	6.000
14	4:16: 0	0.850	1033.000	113.00	3.000
15	4:19: 0	0.900	1038.000	113.00	5.000
16	4:22: 0	0.950	1040.000	113.00	2.000
17	4:25: 0	1.000	1043.000	113.00	3.000
18	4:28: 0	1.050	1045.000	113.00	2.000
19	4:31: 0	1.100	1049.000	113.00	4.000
20	4:34: 0	1.150	1051.000	113.00	2.000
21	4:37: 0	1.200	1052.000	113.00	1.000
22	4:40: 0	1.250	1053.000	113.00	1.000
23	4:43: 0	1.300	1054.000	113.00	1.000
24	4:44: 0	1.317	181.000	113.00	-873.000
25	4:47:59	1.383	181.000	113.00	0.000
26	4:53: 0	1.467	181.000	113.00	0.000
27	4:58: 0	1.550	181.000	113.00	0.000
28	5: 2:59	1.633	181.000	113.00	0.000
29	5: 8: 0	1.717	181.000	113.00	0.000
30	5:13: 0	1.800	182.000	113.00	1.000
31	5:17:59	1.883	191.000	113.00	9.000
32	5:23: 0	1.967	201.000	113.00	10.000
33	5:28: 0	2.050	209.000	113.00	8.000
34	5:32:59	2.133	216.000	113.00	7.000
35	5:38: 0	2.217	225.000	113.00	9.000
36	5:43: 0	2.300	231.000	113.00	6.000
37	5:46: 0	2.350	874.000	113.00	643.000
38	5:48:59	2.400	960.000	113.00	86.000
39	5:52: 0	2.450	983.000	113.00	23.000
40	5:55: 0	2.500	996.000	113.00	13.000
41	5:58: 0	2.550	1005.000	113.00	9.000
42	6: 1: 0	2.600	1017.000	113.00	12.000
43	6: 3:59	2.650	1024.000	113.00	7.000
44	6: 7: 0	2.700	1029.000	113.00	5.000
45	6:10: 0	2.750	1033.000	113.00	4.000
46	6:13: 0	2.800	1038.000	113.00	5.000
47	6:16: 0	2.850	1041.000	113.00	3.000
48	6:19: 0	2.900	1043.000	113.00	2.000
49	6:21:59	2.950	1045.000	113.00	2.000
50	6:25: 0	3.000	1046.000	113.00	1.000
51	6:28: 0	3.050	1047.000	113.00	1.000
52	6:31: 0	3.100	1048.000	113.00	1.000

1566

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K & W
DST

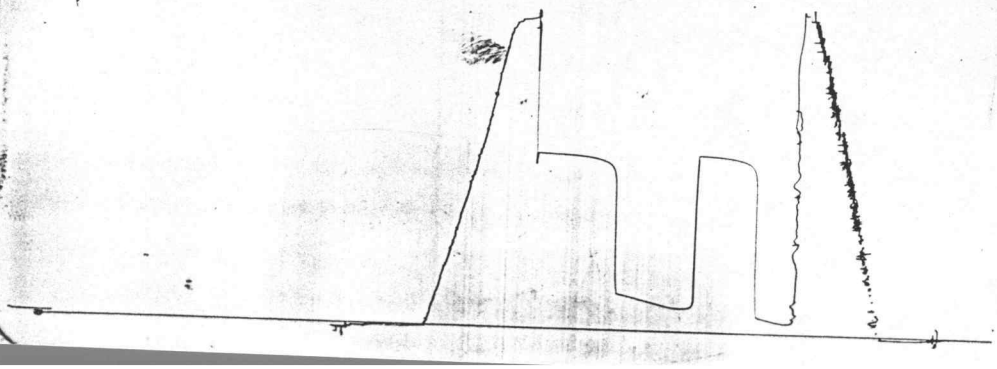


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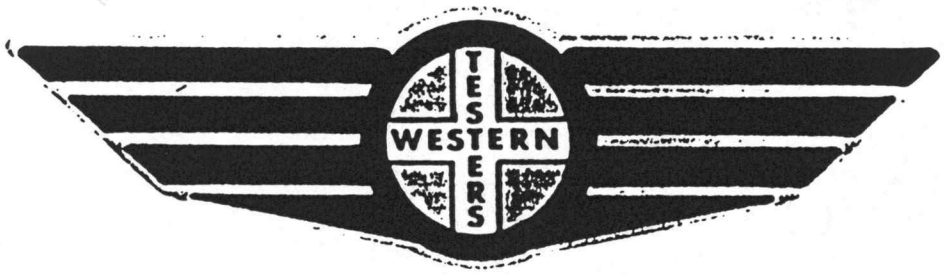
TK 12724

RTW
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FORMATION TEST REPORT



Home Office:

P.O. Box 1599

Wichita, Kansas 67201

Phone (316) 262-5861

COMPANY RAINS & WILLIAMSON OIL CO INC LEASE & WELL NO. VAN RENSSELAER #1 SEC. 8 TWP. 14S RGE. 29W TEST NO. 3 DATE 2-13-88

RECOVERED : 15 FT OF: DRILLING MUD

Total Barrels Fluid = 0.07
Total Fluid Prod Rate = 1.69 BFPD
Indicated Wtr Rate = 0.17 BWPD

REMARK 1 : TOOL PICKED-UP TOO HIGH
ON INITIAL SHUT-IN.
REMARK 2 : FLUSHED TOOL FINAL FLOW.
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 3:40 AM TIME STARTED OFF BOTTOM : 5;40 AM
WELL TEMPERATURE : 115

INITIAL HYDROSTATIC PRESSURE			(A)	2050		
INITIAL FLOW PERIOD	MIN:	30	(B)	58	PSI TO (C) :	58
INITIAL CLOSED IN PERIOD	MIN:	30	(D)	1252		
FINAL FLOW PERIOD	MIN:	30	(E)	102	PSI TO (F) :	49
FINAL CLOSED IN PERIOD	MIN:	30	(G)	830		
FINAL HYDROSTATIC PRESSURE			(H)	1975		

COMPANY : RAINS & WILLIAMSON OIL CO INC
WELL : #1
GAUGE # : 1566
DATE : 13/ 2/88

FIELD : VAN RENSSELAER
JOB # : 12725
DEPTH : 3949
TEST : TOOL PICKED-UP TOO HIGH ON INITIAL SHUT-IN.

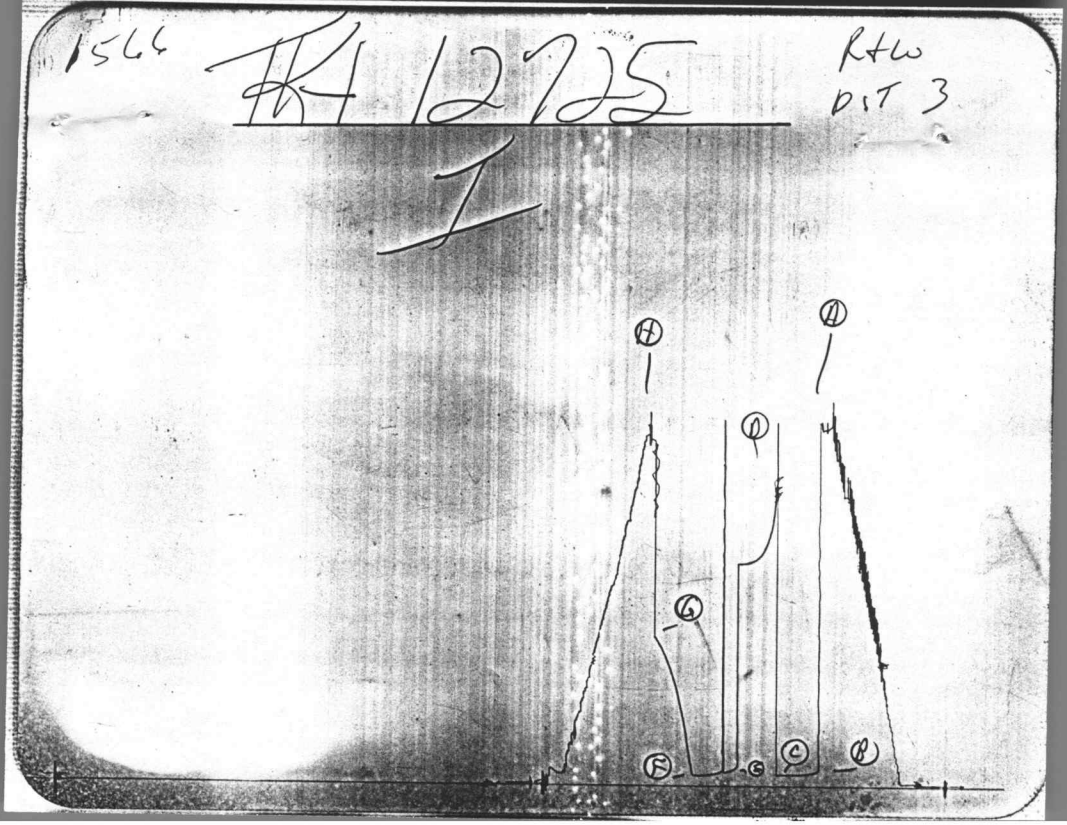
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	3:40: 0	0.000	58.000	115.00	0.000
2	3:44:59	0.083	58.000	115.00	0.000
3	3:50: 0	0.167	58.000	115.00	0.000
4	3:55: 0	0.250	58.000	115.00	0.000
5	3:59:59	0.333	58.000	115.00	0.000
6	4: 5: 0	0.417	58.000	115.00	0.000
7	4:10: 0	0.500	58.000	115.00	0.000
8	4:13: 0	0.550	1347.000	115.00	1289.000
9	4:16: 0	0.600	1684.000	115.00	337.000
10	4:19: 0	0.650	1404.000	115.00	-280.000
11	4:22: 0	0.700	1343.000	115.00	-61.000
12	4:25: 0	0.750	1302.000	115.00	-41.000
13	4:28: 0	0.800	1279.000	115.00	-23.000
14	4:31: 0	0.850	1266.000	115.00	-13.000
15	4:34: 0	0.900	1258.000	115.00	-8.000
16	4:37: 0	0.950	1254.000	115.00	-4.000
17	4:40: 0	1.000	1252.000	115.00	-2.000
18	4:41: 0	1.017	102.000	115.00	-1150.000
19	4:44:59	1.083	79.000	115.00	-23.000
20	4:50: 0	1.167	68.000	115.00	-11.000
21	4:55: 0	1.250	63.000	115.00	-5.000
22	4:59:59	1.333	56.000	115.00	-7.000
23	5: 5: 0	1.417	51.000	115.00	-5.000
24	5:10: 0	1.500	49.000	115.00	-2.000
25	5:13: 0	1.550	56.000	115.00	7.000
26	5:16: 0	1.600	166.000	115.00	110.000
27	5:19: 0	1.650	315.000	115.00	149.000
28	5:22: 0	1.700	433.000	115.00	118.000
29	5:25: 0	1.750	528.000	115.00	95.000
30	5:28: 0	1.800	605.000	115.00	77.000
31	5:31: 0	1.850	675.000	115.00	70.000
32	5:34: 0	1.900	728.000	115.00	53.000
33	5:37: 0	1.950	780.000	115.00	52.000
34	5:40: 0	2.000	830.000	115.00	50.000

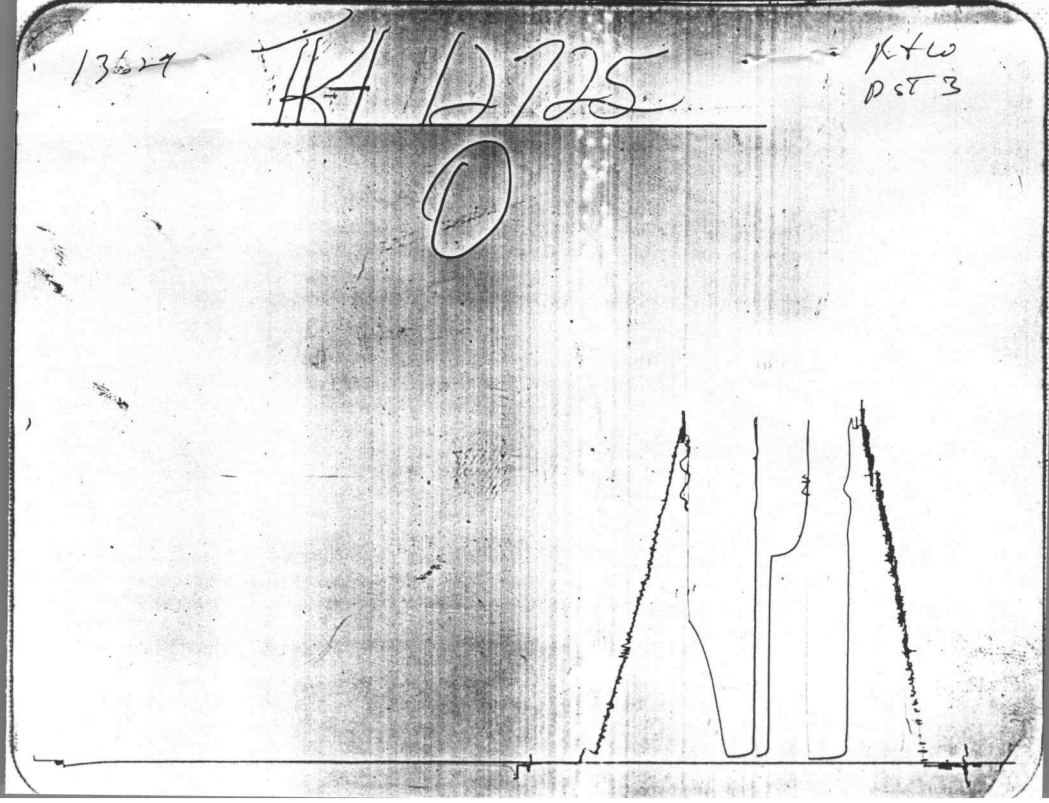
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FK 12725

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DIT 3

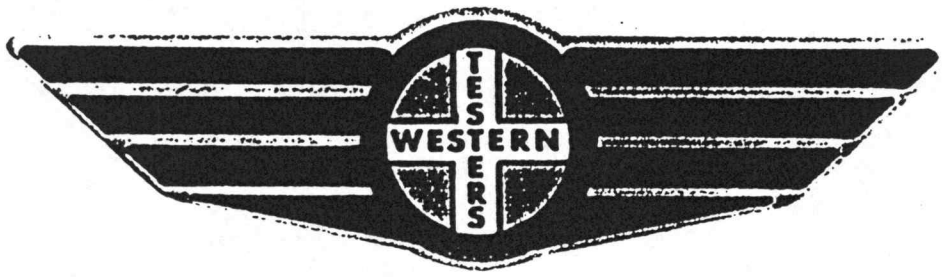
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COMPANY RAINS & WILLIAMSON OIL CO. INC. LEASE & WELL NO. VAN RENSSELAER #1 SEC. 8 TWP. 14S RGE. 29W TEST NO. 4 DATE 2/13/88

FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

RECOVERED : 65 FT OF: DRILLING MUD W/FEW OIL SPOTS

Total Barrels Fluid = 0.31
Total Fluid Prod Rate = 6.77 BFPD
Indicated Wtr Rate = 0.68 BWPD

REMARK 1 :
REMARK 2 : CHLORIDES 9000 PPM
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 6:40 PM TIME STARTED OFF BOTTOM : 8:40 PM
WELL TEMPERATURE : 116

INITIAL HYDROSTATIC PRESSURE			(A)	2063		
INITIAL FLOW PERIOD	MIN:	35	(B)	56	PSI TO (C) :	56
INITIAL CLOSED IN PERIOD	MIN:	27	(D)	489		
FINAL FLOW PERIOD	MIN:	30	(E)	118	PSI TO (F) :	83
FINAL CLOSED IN PERIOD	MIN:	30	(G)	433		
FINAL HYDROSTATIC PRESSURE			(H)	1995		

COMPANY : RAINS & WILLIAMSON OIL CO. INC.

WELL : 1
GAUGE # : 1566
DATE : 13/ 2/88

FIELD : VAN RENSSELAER
JOB # : 13801
DEPTH : 3996
TEST :

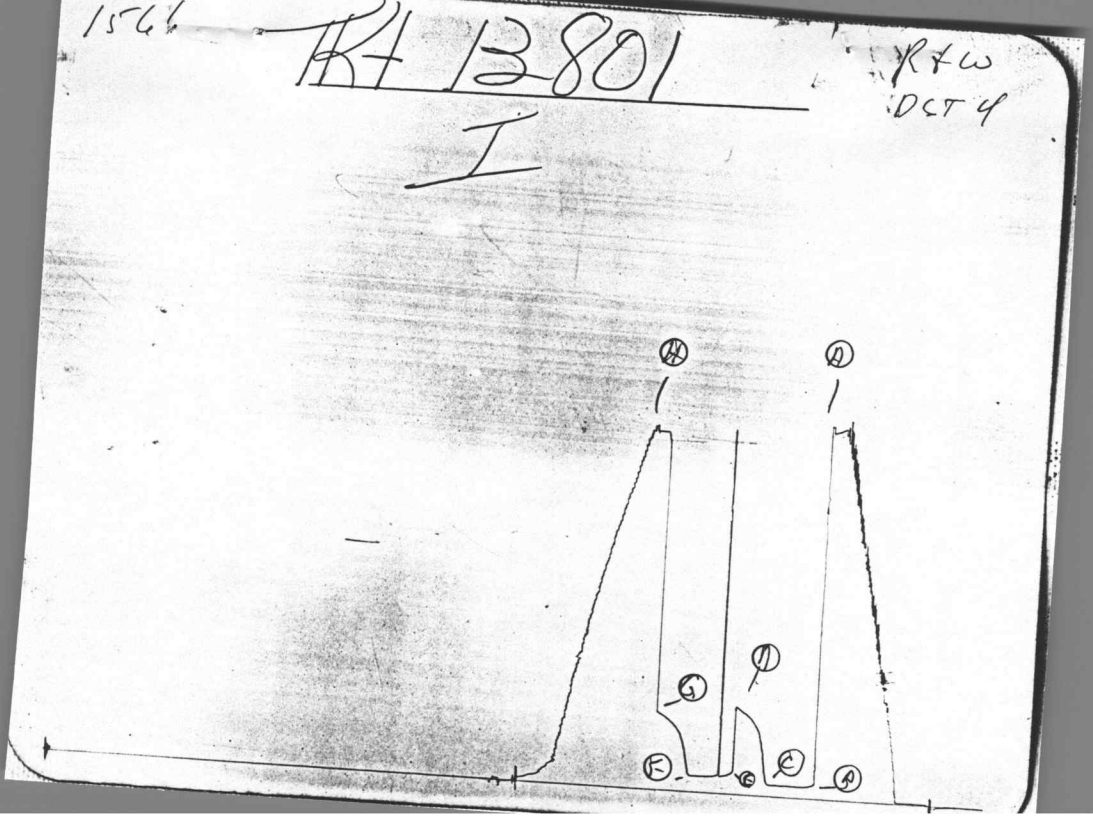
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	6:40: 0	0.000	56.000	116.00	0.000
2	6:44:59	0.083	56.000	116.00	0.000
3	6:50: 0	0.167	56.000	116.00	0.000
4	6:55: 0	0.250	56.000	116.00	0.000
5	6:59:59	0.333	56.000	116.00	0.000
6	7: 5: 0	0.417	56.000	116.00	0.000
7	7:10: 0	0.500	56.000	116.00	0.000
8	7:14:59	0.583	56.000	116.00	0.000
9	7:17:59	0.633	146.000	116.00	90.000
10	7:20:59	0.683	283.000	116.00	137.000
11	7:23:59	0.733	362.000	116.00	79.000
12	7:26:59	0.783	395.000	116.00	33.000
13	7:29:59	0.833	426.000	116.00	31.000
14	7:32:59	0.883	447.000	116.00	21.000
15	7:35:59	0.933	461.000	116.00	14.000
16	7:38:59	0.983	477.000	116.00	16.000
17	7:41:59	1.033	489.000	116.00	12.000
18	7:43: 0	1.050	118.000	116.00	-371.000
19	7:46:59	1.117	96.000	116.00	-22.000
20	7:51:59	1.200	84.000	116.00	-12.000
21	7:56:59	1.283	84.000	116.00	0.000
22	8: 1:59	1.367	83.000	116.00	-1.000
23	8: 6:59	1.450	83.000	116.00	0.000
24	8:11:59	1.533	83.000	116.00	0.000
25	8:14:59	1.583	88.000	116.00	5.000
26	8:17:59	1.633	178.000	116.00	90.000
27	8:20:59	1.683	274.000	116.00	96.000
28	8:23:59	1.733	323.000	116.00	49.000
29	8:26:59	1.783	357.000	116.00	34.000
30	8:29:59	1.833	380.000	116.00	23.000
31	8:32:59	1.883	398.000	116.00	18.000
32	8:35:59	1.933	410.000	116.00	12.000
33	8:38:59	1.983	425.000	116.00	15.000
34	8:41:59	2.033	433.000	116.00	8.000

1566

RH B801

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RTW
OCT 4

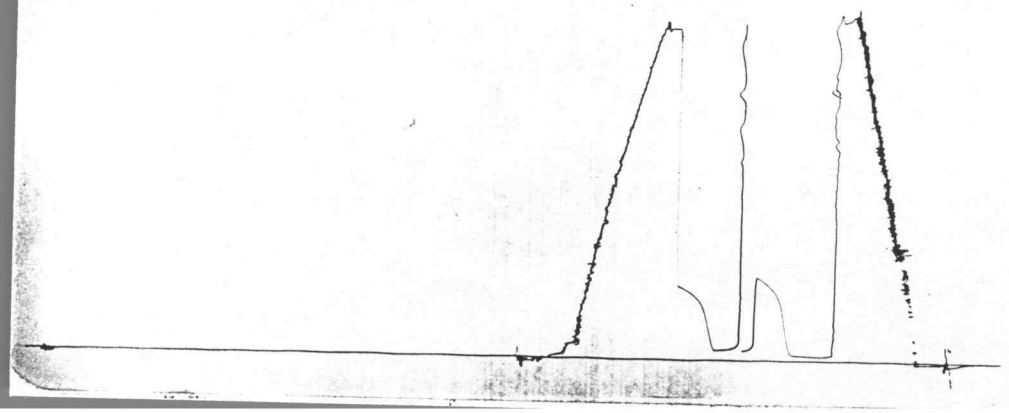


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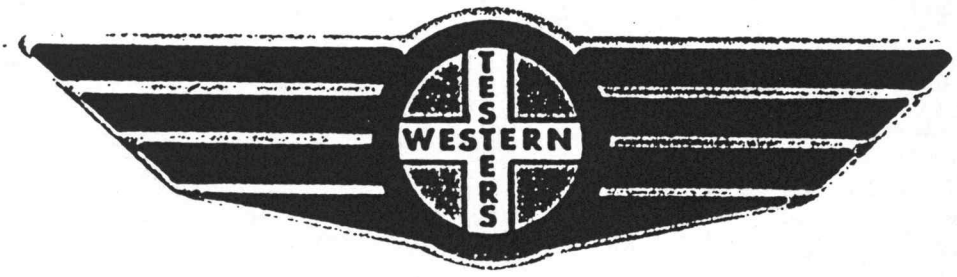
TK 13801

K+W
DST 4

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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. VAN RENSSELAER #1 SEC. 8 TWP. 14S RGE. 29W TEST NO. 5 DATE 2/15/88

RECOVERED : 20 FT OF: DRILLING MUD

Total Barrels Fluid = 0.09
Total Fluid Prod Rate = 2.26 BFPD
Indicated Wtr Rate = 0.23 BWPD

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

SET PACKER(S) : 3:10 AM TIME STARTED OFF BOTTOM : 5:10 AM
WELL TEMPERATURE : 118

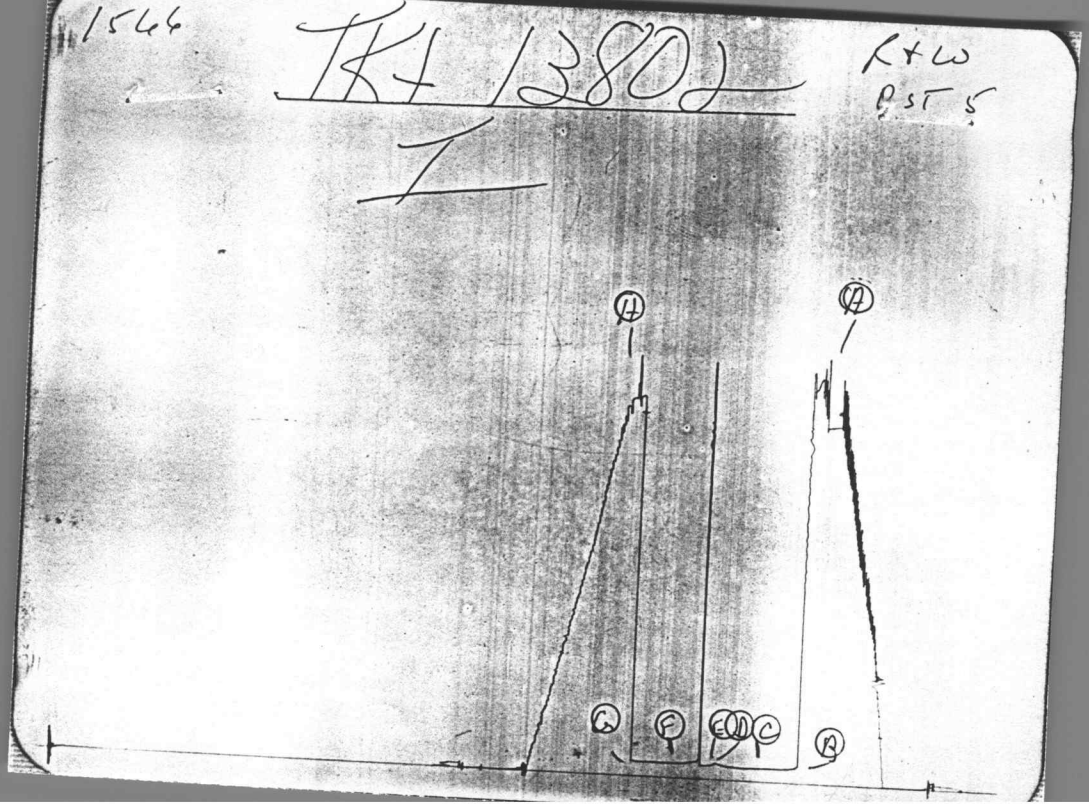
INITIAL HYDROSTATIC PRESSURE			(A)	2205	
INITIAL FLOW PERIOD	MIN:	30	(B)	73	PSI TO (C) : 73
INITIAL CLOSED IN PERIOD	MIN:	33	(D)	93	
FINAL FLOW PERIOD	MIN:	30	(E)	80	PSI TO (F) : 83
FINAL CLOSED IN PERIOD	MIN:	30	(G)	83	
FINAL HYDROSTATIC PRESSURE			(H)	2134	

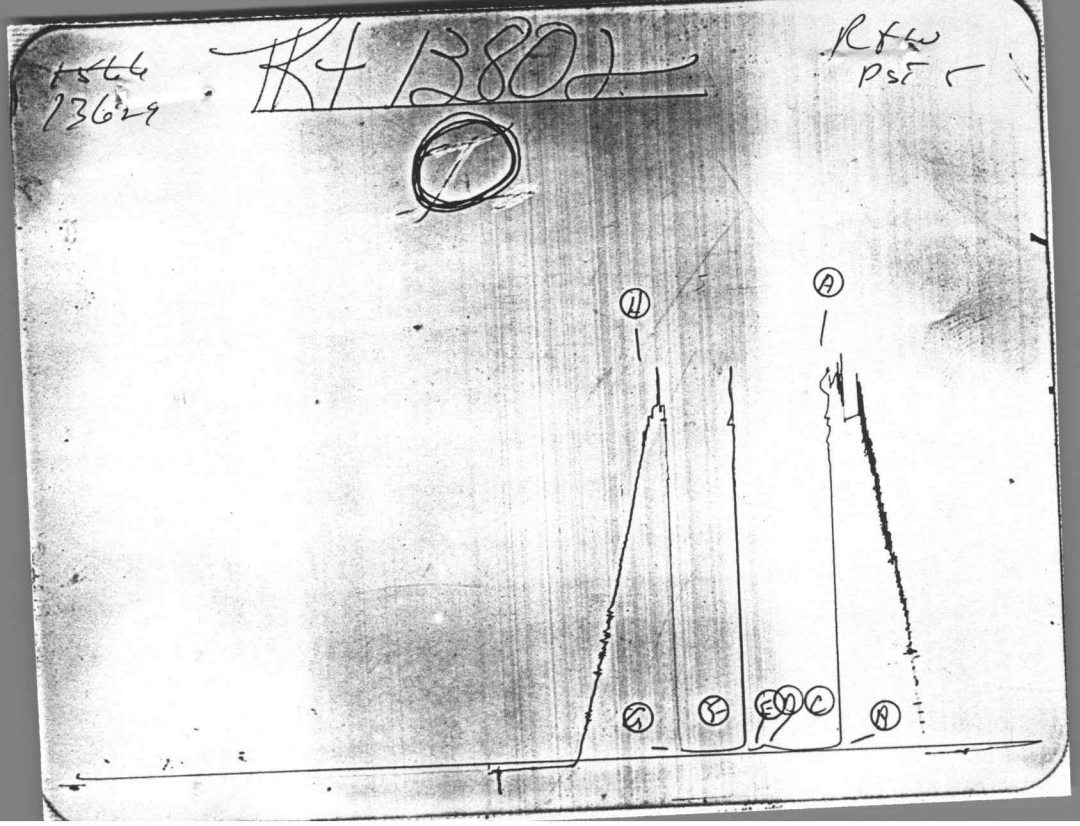
COMPANY : RAINS & WILLIAMSON OIL CO. INC.

WELL : 1
GAUGE # : 1566
DATE : 15/ 2/88

FIELD : VAN RENSSELAER
JOB # : 13802
DEPTH : 4249
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	3:10: 0	0.000	73.000	118.00	0.000
2	3:14:59	0.083	73.000	118.00	0.000
3	3:20: 0	0.167	73.000	118.00	0.000
4	3:25: 0	0.250	73.000	118.00	0.000
5	3:29:59	0.333	73.000	118.00	0.000
6	3:35: 0	0.417	73.000	118.00	0.000
7	3:40: 0	0.500	73.000	118.00	0.000
8	3:43: 0	0.550	73.000	118.00	0.000
9	3:46: 0	0.600	73.000	118.00	0.000
10	3:49: 0	0.650	73.000	118.00	0.000
11	3:52: 0	0.700	73.000	118.00	0.000
12	3:55: 0	0.750	73.000	118.00	0.000
13	3:58: 0	0.800	75.000	118.00	2.000
14	4: 1: 0	0.850	76.000	118.00	1.000
15	4: 4: 0	0.900	79.000	118.00	3.000
16	4: 7: 0	0.950	82.000	118.00	3.000
17	4:10: 0	1.000	87.000	118.00	5.000
18	4:13: 0	1.050	93.000	118.00	6.000
19	4:14: 0	1.067	80.000	118.00	-13.000
20	4:17:59	1.133	80.000	118.00	0.000
21	4:23: 0	1.217	76.000	118.00	-4.000
22	4:28: 0	1.300	93.000	118.00	17.000
23	4:32:59	1.383	86.000	118.00	-7.000
24	4:38: 0	1.467	84.000	118.00	-2.000
25	4:43: 0	1.550	83.000	118.00	-1.000
26	4:45:59	1.600	83.000	118.00	0.000
27	4:49: 0	1.650	83.000	118.00	0.000
28	4:51:59	1.700	83.000	118.00	0.000
29	4:55: 0	1.750	83.000	118.00	0.000
30	4:58: 0	1.800	83.000	118.00	0.000
31	5: 0:59	1.850	83.000	118.00	0.000
32	5: 4: 0	1.900	83.000	118.00	0.000
33	5: 6:59	1.950	83.000	118.00	0.000
34	5:10: 0	2.000	83.000	118.00	0.000
35	5:13: 0	2.050	83.000	118.00	0.000


1566
TK 1380
I
K+W
BST 5
A
A
G
F
E
D
C
B


H
A
A
H
E
C
A