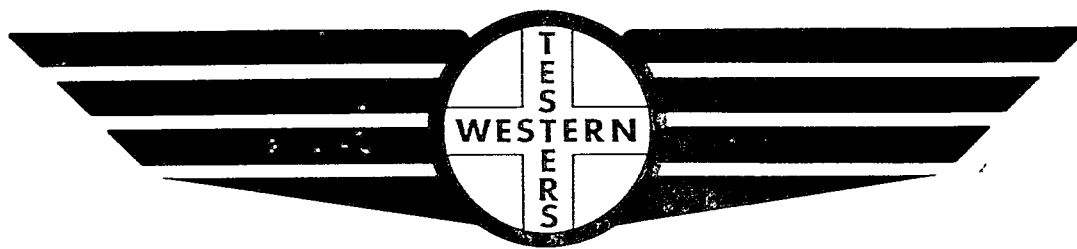


FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY

MCNAMES & PATTERSON

LEASE & WELL NO. #1 REXROAT

SEC. 13 TWP. 17S. RGE. 13W TEST NO. 1 DATE 6/17/86

WESTERN TESTERS INC.
SUBSURFACE PRESSURE SURVEY

DATE : 6-17-86 TICKET : 11102
CUSTOMER : MCNAMES & PATTERSON LEASE : REXROAT
WELL : #1 TEST: 1 GEOLOGIST : R. FISHER
ELEVATION : 1876 FORMATION : LANS KANS C
SECTION : 13 TOWNSHIP : 17S
RANGE : 13W COUNTY : BARTON STATE : KANSAS
GAUGE SN# : 10270 RANGE : 4150 CLOCK : 12

INTERVAL FROM : 3110 TO : 3140 TOTAL DEPTH : 3140
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3105 SIZE : 6.63
PACKER DEPTH : 3110 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : SHIELDS DRILLING
MUD TYPE : STARCH VISCOSITY : 39
WEIGHT : 9.8 WATER LOSS (CC) : 10.5
CHLORIDES (PPM) : NA
JARS-MAKE : -- SERIAL NUMBER :
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 960 FT I.D. inch : 2.70
DRILL PIPE LENGTH : 2130 FT I.D. inch : 3.80
TEST TOOL LENGTH : 20 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 FH

BLOW COMMENT #1 : WEAK BLOW DIED IN 15 MINUTES ON
BLOW COMMENT #2 : THE INITIAL FLOW.
BLOW COMMENT #3 : NO BLOW ON THE FINAL FLOW.
BLOW COMMENT #4 :

RECOVERED : 5 FT OF: MUD

Total Barrels Fluid = 0.04
Total Fluid Prod Rate = 0.85 BFPD
Indicated Wtr Rate = 0.17 BWPD

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

SET PACKER(S) : 8:50 PM TIME STARTED OFF BOTTOM : 10:50 PM
WELL TEMPERATURE : 106
INITIAL HYDROSTATIC PRESSURE (A) 1659
INITIAL FLOW PERIOD MIN: 30 (B) 30 PSI TO (C) : 30
INITIAL CLOSED IN PERIOD MIN: 30 (D) 47
FINAL FLOW PERIOD MIN: 30 (E) 29 PSI TO (F) : 30
FINAL CLOSED IN PERIOD MIN: 30 (G) 38
FINAL HYDROSTATIC PRESSURE (H) 1645

WESTERN TESTERS INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : MCNAMES & PATTERSON
RIG : BARTON-KANSAS
FIELD : REXROAT
WELL : #1
DATE : 6-17-86
GAUGE NO : 10270

OPERATIONAL COMMENTS

COMPANY : MCNAMES & PATTERSON

WELL : #1

GAUGE # : 10270

DATE : 17/ 6/86

FIELD : REXROAT *

JOB # : 11102

DEPTH : 3140

EVENT :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	8:50: 0	0.000	30.000	106.00	0.000
2	8:54:60	0.083	30.000	106.00	0.000
3	9: 0: 1	0.167	30.000	106.00	0.000
4	9: 5: 0	0.250	30.000	106.00	0.000
5	9: 9:60	0.333	30.000	106.00	0.000
6	9:15: 1	0.417	30.000	106.00	0.000
7	9:20: 0	0.500	30.000	106.00	0.000
8	9:23: 0	0.550	30.000	106.00	0.000
9	9:26: 0	0.600	30.000	106.00	0.000
10	9:29: 0	0.650	30.000	106.00	0.000
11	9:32: 0	0.700	31.000	106.00	1.000
12	9:35: 0	0.750	33.000	106.00	2.000
13	9:38: 0	0.800	35.000	106.00	2.000
14	9:41: 0	0.850	38.000	106.00	3.000
15	9:44: 0	0.900	42.000	106.00	4.000
16	9:47: 0	0.950	45.000	106.00	3.000
17	9:50: 0	1.000	47.000	106.00	2.000
18	9:51: 1	1.017	29.000	106.00	-18.000
19	9:54:60	1.083	29.000	106.00	0.000
20	10: 0: 1	1.167	29.000	106.00	0.000
21	10: 5: 0	1.250	29.000	106.00	0.000
22	10: 9:60	1.333	29.000	106.00	0.000
23	10:15: 1	1.417	29.000	106.00	0.000
24	10:20: 0	1.500	30.000	106.00	1.000
25	10:23: 0	1.550	31.000	106.00	1.000
26	10:26: 0	1.600	32.000	106.00	1.000
27	10:29: 0	1.650	33.000	106.00	1.000
28	10:32: 0	1.700	34.000	106.00	1.000
29	10:35: 0	1.750	35.000	106.00	1.000
30	10:38: 0	1.800	36.000	106.00	1.000
31	10:41: 0	1.850	37.000	106.00	1.000
32	10:44: 0	1.900	38.000	106.00	1.000
33	10:47: 0	1.950	38.000	106.00	0.000
34	10:50: 0	2.000	38.000	106.00	0.000

WESTERN TESTERS INC.

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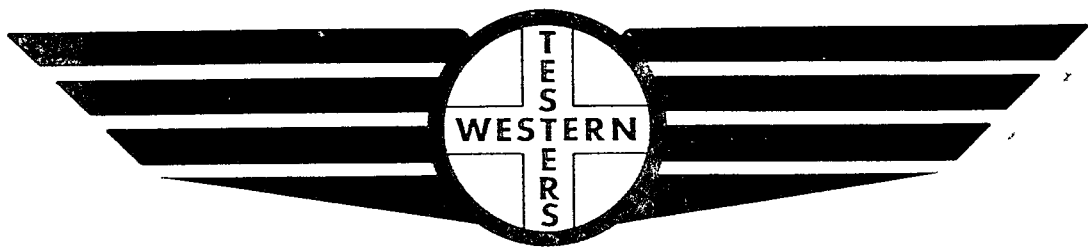
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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY MCNAMES & PATTERSON LEASE & WELL NO. #1 REXROAT SEC. 13 TWP. 17S RGE. 13W TEST NO. 2 DATE 6/19/86

WESTERN TESTERS INC.
SUBSURFACE PRESSURE SURVEY

DATE : 6-19-86 TICKET : 11103
CUSTOMER : MCNAMES & PATTERSON LEASE : REXROAT
WELL : #1 TEST: 2 GEOLOGIST : R. FISHER
ELEVATION : 1876 FORMATION : ARBUCKLE
SECTION : 13 TOWNSHIP : 17S
RANGE : 13W COUNTY : BARTON STATE : KANSAS
GAUGE SN# : 10270 RANGE : 4150 CLOCK : 12

INTERVAL FROM : 3341 TO : 3370 TOTAL DEPTH : 3370
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3336 SIZE : 6.63
PACKER DEPTH : 3341 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : SHIELDS DRILLING
MUD TYPE : STARCH VISCOSITY : 43
WEIGHT : 9.9 WATER LOSS (CC) : 14
CHLORIDES (PPM) : NA
JARS-MAKE : -- SERIAL NUMBER :
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 960 FT I.D. inch : 2.70
DRILL PIPE LENGTH : 2361 FT I.D. inch : 3.80
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 29 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 FH

BLOW COMMENT #1 : WEAK 1 INCH BLOW BUILDING TO A GOOD
BLOW COMMENT #2 : 7 INCH BLOW ON THE INITIAL FLOW.
BLOW COMMENT #3 : FAIR BLOW THROUGHOUT THE FINAL FLOW;
BLOW COMMENT #4 : 3INCH TO 5 INCH BLOW.

RECOVERED : 240 FT OF: MUDDY WATER
RECOVERED : 180 FT OF: WATER

Total Barrels Fluid = 2.97
Total Fluid Prod Rate = 47.59 BFPD
Indicated Wtr Rate = 33.99 BWPD

REMARK 1 :
REMARK 2 : CHLORIDES: 15000 PPM
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 12:15 PM TIME STARTED OFF BOTTOM : 3:45 PM
WELL TEMPERATURE : 111
INITIAL HYDROSTATIC PRESSURE (A) 1802
INITIAL FLOW PERIOD MIN: 45 (B) 50 PSI TO (C) : 133
INITIAL CLOSED IN PERIOD MIN: 45 (D) 1128
FINAL FLOW PERIOD MIN: 45 (E) 158 PSI TO (F) : 228
FINAL CLOSED IN PERIOD MIN: 48 (G) 1122
FINAL HYDROSTATIC PRESSURE (H) 1786

WESTERN TESTERS INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : MCNAMES & PATTERSON
RIG : BARTON-KANSAS
FIELD : REXROAT
WELL : #1
DATE : 6-19-86
GAUGE NO : 10270

OPERATIONAL COMMENTS

CHLORIDES: 15000 PPM

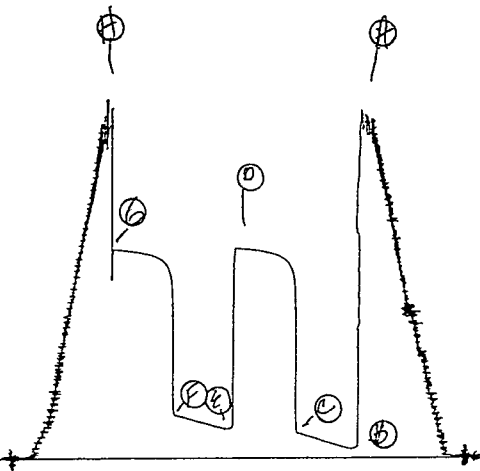
COMPANY : MCNAMES & PATTERSON
WELL : #1
GAUGE # : 10270
DATE : 19/ 6/86

FIELD : REXROAT
JOB # : 11103
DEPTH : 3370
EVENT :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	12:15: 0	0.000	50.000	111.00	0.000
2	12:19:60	0.083	50.000	111.00	0.000
3	12:25: 1	0.167	54.000	111.00	4.000
4	12:30: 0	0.250	64.000	111.00	10.000
5	12:34:60	0.333	76.000	111.00	12.000
6	12:40: 1	0.417	86.000	111.00	10.000
7	12:45: 0	0.500	100.000	111.00	14.000
8	12:49:60	0.583	110.000	111.00	10.000
9	12:55: 1	0.667	121.000	111.00	11.000
10	13: 0: 0	0.750	133.000	111.00	12.000
11	13: 3: 0	0.800	981.000	111.00	848.000
12	13: 6: 0	0.850	1038.000	111.00	57.000
13	13: 9: 0	0.900	1062.000	111.00	24.000
14	13:12: 0	0.950	1078.000	111.00	16.000
15	13:15: 0	1.000	1089.000	111.00	11.000
16	13:18: 0	1.050	1097.000	111.00	8.000
17	13:21: 0	1.100	1103.000	111.00	6.000
18	13:24: 0	1.150	1108.000	111.00	5.000
19	13:27: 0	1.200	1113.000	111.00	5.000
20	13:30: 0	1.250	1117.000	111.00	4.000
21	13:33: 0	1.300	1120.000	111.00	3.000
22	13:36: 0	1.350	1122.000	111.00	2.000
23	13:39: 0	1.400	1124.000	111.00	2.000
24	13:42: 0	1.450	1126.000	111.00	2.000
25	13:45: 0	1.500	1128.000	111.00	2.000
26	13:46: 1	1.517	158.000	111.00	-970.000
27	13:49:60	1.583	158.000	111.00	0.000
28	13:55: 1	1.667	162.000	111.00	4.000
29	14: 0: 0	1.750	171.000	111.00	9.000
30	14: 4:60	1.833	181.000	111.00	10.000
31	14:10: 1	1.917	191.000	111.00	10.000
32	14:15: 0	2.000	203.000	111.00	12.000
33	14:19:60	2.083	213.000	111.00	10.000
34	14:25: 1	2.167	222.000	111.00	9.000
35	14:30: 0	2.250	228.000	111.00	6.000
36	14:33: 0	2.300	945.000	111.00	717.000
37	14:36: 0	2.350	1018.000	111.00	73.000
38	14:39: 0	2.400	1049.000	111.00	31.000
39	14:42: 0	2.450	1067.000	111.00	18.000
40	14:45: 0	2.500	1078.000	111.00	11.000
41	14:48: 0	2.550	1088.000	111.00	10.000
42	14:51: 0	2.600	1094.000	111.00	6.000
43	14:54: 0	2.650	1099.000	111.00	5.000
44	14:57: 0	2.700	1103.000	111.00	4.000
45	15: 0: 0	2.750	1107.000	111.00	4.000
46	15: 3: 0	2.800	1110.000	111.00	3.000
47	15: 6: 0	2.850	1113.000	111.00	3.000
48	15: 9: 0	2.900	1116.000	111.00	3.000
49	15:12: 0	2.950	1118.000	111.00	2.000
50	15:15: 0	3.000	1120.000	111.00	2.000
51	15:18: 0	3.050	1122.000	111.00	2.000

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