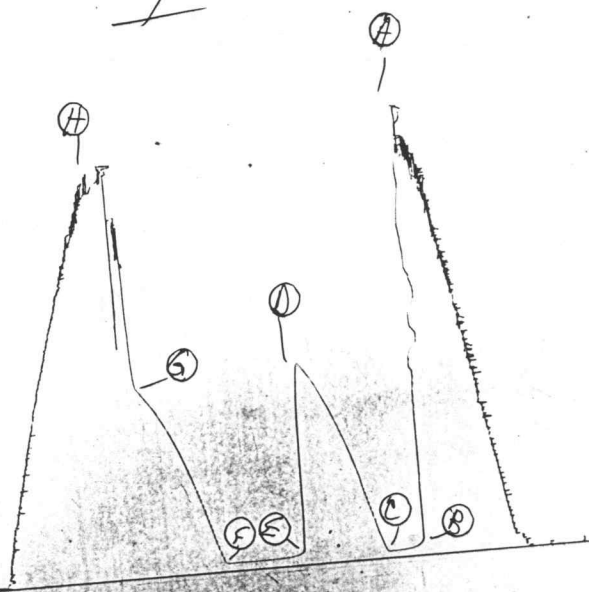


13521

DST#1

TR4 12801

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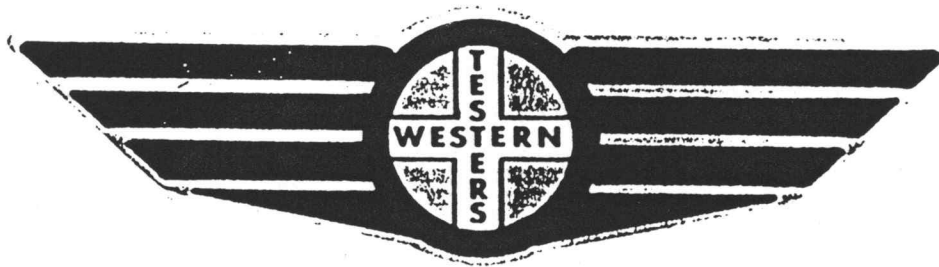
13271 DST-4

RA 12801

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# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY CARDWELL & PARKER

LEASE & WELL NO. \_\_\_\_\_

CLARK 34-1

SEC. 34

TWP. 27S

RGE. 16W

TEST NO. 1

DATE

6/25/87

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 6-25-87 TICKET : 12801  
CUSTOMER : CARDWELL & PARKER LEASE : CLARK  
WELL : #34-1 TEST: 1 GEOLOGIST : T. McLEOD  
ELEVATION : 2116 KB FORMATION : CHER & MISS  
SECTION : 34 TOWNSHIP : 27S  
RANGE : 16W COUNTY : PRATT STATE : KANSAS  
GAUGE SN# : 13521 RANGE : 4375 CLOCK : 12

INTERVAL FROM : 4595 TO : 4635 TOTAL DEPTH : 4635  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 4590 SIZE : 6.63  
PACKER DEPTH : 4595 SIZE : 6.63  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : H-30 DRLG. RIG #7  
MUD TYPE : CHEM-MONPAC VISCOSITY : 44  
WEIGHT : 9.2 WATER LOSS (CC) : 13.6  
CHLORIDES (PPM) : 9000  
JARS-MAKE : NO SERIAL NUMBER :  
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 186 FT I.D. inch : 2.25  
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00  
DRILL PIPE LENGTH : 4387 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 22 FT TOOL SIZE : 5.50  
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 : 4.5 FH

BLOW COMMENT #1 : INITIAL FLOW-STRONG BLOW IN 3 MINUTES.  
BLOW COMMENT #2 : FINAL FLOW-GAS TO SURFACE IN 30 MINUTES.  
BLOW COMMENT #3 : SEE ATTACHED FLOW CHART.  
BLOW COMMENT #4 :

RECOVERED : 80 FT OF: DRILLING MUD

Total Barrels Fluid = 0.39  
Total Fluid Prod Rate = 6.29 BFPD  
Indicated Wtr Rate = 0.63 BWPD

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

SET PACKER(S) : 7:55 PM

TIME STARTED OFF BOTTOM : 11:25 PM

WELL TEMPERATURE : 128

INITIAL HYDROSTATIC PRESSURE

(A) 2396

INITIAL FLOW PERIOD MIN: 30

(B) 53 PSI TO (C) : 46

INITIAL CLOSED IN PERIOD MIN: 60

(D) 1175

FINAL FLOW PERIOD MIN: 60

(E) 53 PSI TO (F) : 53

FINAL CLOSED IN PERIOD MIN: 60

(G) 1107

FINAL HYDROSTATIC PRESSURE

(H) 2377



WESTERN TESTING CO. INC.  
WICHITA - KANSAS

Pressure Transient Report  
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COMPANY : CARDWELL & PARKER  
RIG : PRATT-KANSAS  
FIELD : CLARK  
WELL : #34-1  
DATE : 6-25-87  
GAUGE NO : 13521

OPERATIONAL COMMENTS

COMPANY : CARDWELL & PARKER  
 WELL : #34-1  
 GAUGE # : 13521  
 DATE : 25/ 6/87

FIELD : CLARK  
 JOB # : 12801  
 DEPTH : 4635  
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P <sub>i</sub> -P <sub>(i-1)</sub>
1	7:55: 0	0.000	53.000	128.00	0.000
2	7:59:59	0.083	53.000	128.00	0.000
3	8: 5: 0	0.167	53.000	128.00	0.000
4	8:10: 0	0.250	49.000	128.00	-4.000
5	8:14:59	0.333	46.000	128.00	-3.000
6	8:20: 0	0.417	46.000	128.00	0.000
7	8:25: 0	0.500	46.000	128.00	0.000
8	8:28: 0	0.550	102.000	128.00	56.000
9	8:31: 0	0.600	174.000	128.00	72.000
10	8:34: 0	0.650	248.000	128.00	74.000
11	8:37: 0	0.700	336.000	128.00	88.000
12	8:40: 0	0.750	425.000	128.00	89.000
13	8:43: 0	0.800	522.000	128.00	97.000
14	8:46: 0	0.850	597.000	128.00	75.000
15	8:49: 0	0.900	664.000	128.00	67.000
16	8:52: 0	0.950	728.000	128.00	64.000
17	8:55: 0	1.000	791.000	128.00	63.000
18	8:58: 0	1.050	850.000	128.00	59.000
19	9: 1: 0	1.100	904.000	128.00	54.000
20	9: 4: 0	1.150	953.000	128.00	49.000
21	9: 7: 0	1.200	1000.000	128.00	47.000
22	9:10: 0	1.250	1047.000	128.00	47.000
23	9:13: 0	1.300	1086.000	128.00	39.000
24	9:16: 0	1.350	1118.000	128.00	32.000
25	9:19: 0	1.400	1151.000	128.00	33.000
26	9:22: 0	1.450	1175.000	128.00	24.000
27	9:25: 0	1.500	1175.000	128.00	0.000
28	9:26: 0	1.517	53.000	128.00	-1122.000
29	9:29:59	1.583	53.000	128.00	0.000
30	9:35: 0	1.667	53.000	128.00	0.000
31	9:40: 0	1.750	53.000	128.00	0.000
32	9:44:59	1.833	53.000	128.00	0.000
33	9:50: 0	1.917	53.000	128.00	0.000
34	9:55: 0	2.000	53.000	128.00	0.000
35	9:59:59	2.083	53.000	128.00	0.000
36	10: 5: 0	2.167	53.000	128.00	0.000
37	10:10: 0	2.250	53.000	128.00	0.000
38	10:14:59	2.333	53.000	128.00	0.000
39	10:20: 0	2.417	53.000	128.00	0.000
40	10:25: 0	2.500	53.000	128.00	0.000
41	10:28: 0	2.550	89.000	128.00	36.000
42	10:31: 0	2.600	155.000	128.00	66.000
43	10:34: 0	2.650	231.000	128.00	76.000
44	10:37: 0	2.700	310.000	128.00	79.000
45	10:40: 0	2.750	384.000	128.00	74.000
46	10:43: 0	2.800	464.000	128.00	80.000
47	10:46: 0	2.850	539.000	128.00	75.000
48	10:49: 0	2.900	606.000	128.00	67.000
49	10:52: 0	2.950	668.000	128.00	62.000
50	10:55: 0	3.000	729.000	128.00	61.000
51	10:58: 0	3.050	788.000	128.00	59.000
52	11: 1: 0	3.100	839.000	128.00	51.000

COMPANY : CARDWELL & PARKER  
WELL : #34-1  
GAUGE # : 13521  
DATE : 25/ 6/87

FIELD : CLARK  
JOB # : 12801  
DEPTH : 4635  
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	11: 4: 0	3.150	884.000	128.00	45.000
54	11: 7: 0	3.200	925.000	128.00	41.000
55	11:10: 0	3.250	969.000	128.00	44.000
56	11:13: 0	3.300	1001.000	128.00	32.000
57	11:16: 0	3.350	1033.000	128.00	32.000
58	11:19: 0	3.400	1067.000	128.00	34.000
59	11:22: 0	3.450	1095.000	128.00	28.000
60	11:25: 0	3.500	1107.000	128.00	12.000

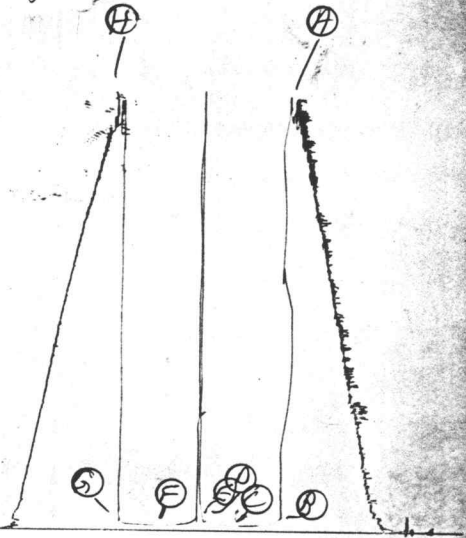
WESTERN TESTING CO. INC.

13521 DST#2



TKA 12802

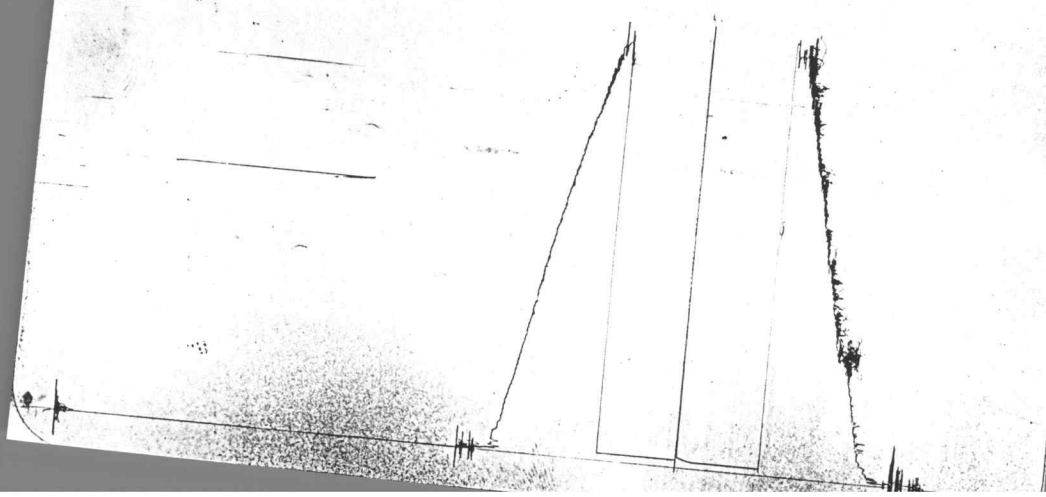
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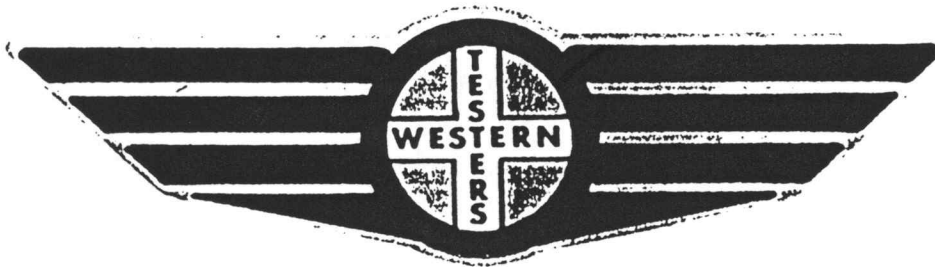
13721 DST#2

RA 12802

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# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY

CARDWELL & PARKER

LEASE & WELL NO.

CLARK 34-1

SEC. 34

TWP. 27S

RGE. 16W

TEST NO. 2

DATE 6/26/87

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 6-26-87  
CUSTOMER : CARDWELL & PARKER  
WELL : #34-1 TEST: 2  
ELEVATION : 2116 KB  
SECTION : 34  
RANGE : 16W COUNTY : PRATT  
GAUGE SN# : 13251 RANGE : 4375  
TICKET : 12802  
LEASE : CLARK  
GEOLOGIST : T. McLEOD  
FORMATION : KINDERHOOK  
TOWNSHIP : 27S  
STATE : KANSAS  
CLOCK : 12

INTERVAL FROM : 4713 TO : 4726 TOTAL DEPTH : 4726  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 4708 SIZE : 6.63  
PACKER DEPTH : 4713 SIZE : 6.63  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : H-30  
MUD TYPE : CHEM-MONPAC VISCOSITY : 46  
WEIGHT : 9.4 WATER LOSS (CC) : 12.0  
CHLORIDES (PPM) : 10000  
JARS-MAKE : NO SERIAL NUMBER :  
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 186 FT I.D. inch : 2.25  
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00  
DRILL PIPE LENGTH : 4505 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 22 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 13 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 : INITIAL FLOW-VERY WEAK-STEADY BLOW.  
BLOW COMMENT #2 : FINAL FLOW-VERY WEAK BLOW-FLUSHED TOOL-VERY WEAK  
BLOW FOR 15 MINUTES & DIED.  
BLOW COMMENT #3 :  
BLOW COMMENT #4 :

RECOVERED : 15 FT OF: MUD

Total Barrels Fluid = 0.07  
Total Fluid Prod Rate = 1.77 BFPD  
Indicated Wtr Rate = 0.18 BWPD

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

SET PACKER(S) :	12:25 PM	TIME STARTED OFF BOTTOM :	2:25 PM
WELL TEMPERATURE :	126		
INITIAL HYDROSTATIC PRESSURE		(A)	2465
INITIAL FLOW PERIOD MIN:	30	(B)	30 PSI TO (C) : 30
INITIAL CLOSED IN PERIOD MIN:	27	(D)	58
FINAL FLOW PERIOD MIN:	30	(E)	48 PSI TO (F) : 31
FINAL CLOSED IN PERIOD MIN:	33	(G)	48
FINAL HYDROSTATIC PRESSURE		(H)	2465

WESTERN TESTING CO. INC.  
WICHITA - KANSAS

Pressure Transient Report  
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COMPANY : CARDWELL & PARKER  
RIG : PRATT-KANSAS  
FIELD : CLARK  
WELL : #34-1  
DATE : 6-26-87  
GAUGE NO : 13251

OPERATIONAL COMMENTS

FLUSHED TOOL FINAL FLOW

COMPANY : CARDWELL & PARKER  
WELL : #34-1  
GAUGE # : 13251  
DATE : 26/ 6/87

FIELD : CLARK  
JOB # : 12802  
DEPTH : 4726  
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	12:25: 0	0.000	30.000	126.00	0.000
2	12:29:59	0.083	30.000	126.00	0.000
3	12:35: 0	0.167	30.000	126.00	0.000
4	12:40: 0	0.250	30.000	126.00	0.000
5	12:44:59	0.333	30.000	126.00	0.000
6	12:50: 0	0.417	30.000	126.00	0.000
7	12:55: 0	0.500	30.000	126.00	0.000
8	12:58: 0	0.550	30.000	126.00	0.000
9	13: 1: 0	0.600	30.000	126.00	0.000
10	13: 4: 0	0.650	31.000	126.00	1.000
11	13: 7: 0	0.700	34.000	126.00	3.000
12	13:10: 0	0.750	38.000	126.00	4.000
13	13:13: 0	0.800	40.000	126.00	2.000
14	13:16: 0	0.850	45.000	126.00	5.000
15	13:19: 0	0.900	49.000	126.00	4.000
16	13:22: 0	0.950	58.000	126.00	9.000
17	13:23: 0	0.967	48.000	126.00	-10.000
18	13:26:59	1.033	70.000	126.00	22.000
19	13:32: 0	1.117	52.000	126.00	-18.000
20	13:37: 0	1.200	40.000	126.00	-12.000
21	13:41:59	1.283	35.000	126.00	-5.000
22	13:47: 0	1.367	33.000	126.00	-2.000
23	13:52: 0	1.450	31.000	126.00	-2.000
24	13:55: 0	1.500	31.000	126.00	0.000
25	13:58: 0	1.550	31.000	126.00	0.000
26	14: 1: 0	1.600	31.000	126.00	0.000
27	14: 4: 0	1.650	31.000	126.00	0.000
28	14: 7: 0	1.700	31.000	126.00	0.000
29	14:10: 0	1.750	33.000	126.00	2.000
30	14:13: 0	1.800	34.000	126.00	1.000
31	14:16: 0	1.850	35.000	126.00	1.000
32	14:19: 0	1.900	38.000	126.00	3.000
33	14:22: 0	1.950	41.000	126.00	3.000
34	14:25: 0	2.000	48.000	126.00	7.000

WESTERN TESTING CO. INC.