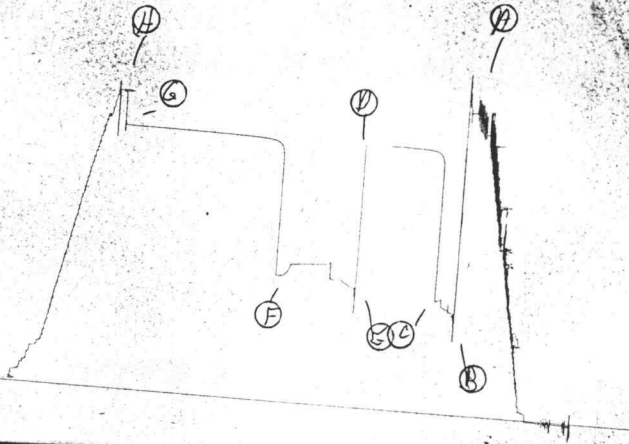


4332 DST#1



RT 122/6

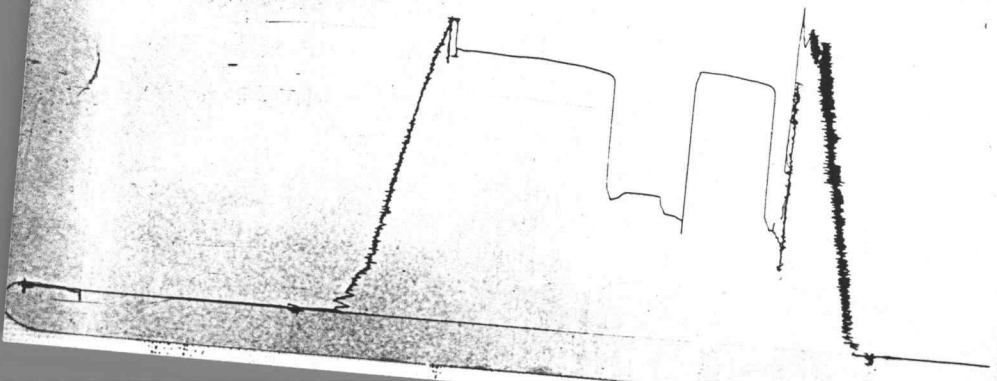
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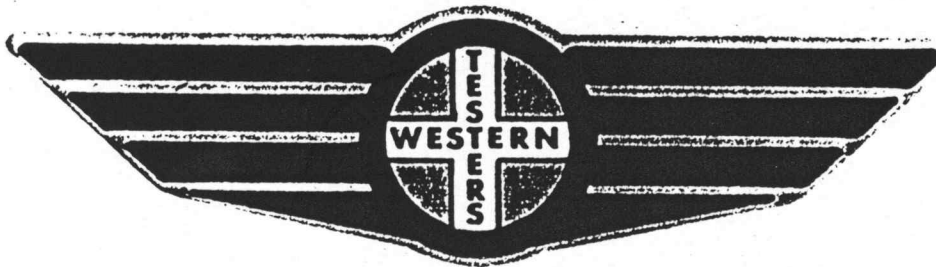
13520 WST#1

KT 12716

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# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY RINE EXPLORATION LEASE & WELL NO. SALSER #1-8 SEC. 8 TWP. 33S RGE. 5W TEST NO. 1 DATE 7/12/88

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 7-12-88 TICKET : 13716  
CUSTOMER : RINE EXPLORATION LEASE : SALSER  
WELL : #1-8 TEST: 1 GEOLOGIST : P BAKER  
ELEVATION : 1325 KB FORMATION : STALNECKER  
SECTION : 8 TOWNSHIP : 33S  
RANGE : 5W COUNTY : HARPER STATE : KANSAS  
GAUGE SN# : 4332 RANGE : 4200 CLOCK : 12

INTERVAL FROM : 3484 TO : 3497 TOTAL DEPTH : 3497

DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 3479 SIZE : 6.63  
PACKER DEPTH : 3484 SIZE : 6.63  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : DUKE  
MUD TYPE : CHEMICAL VISCOSITY : 50  
WEIGHT : 9.2 WATER LOSS (CC) : 10.8  
CHLORIDES (PPM) : 4000  
JARS-MAKE : WTC SERIAL NUMBER : 411  
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 124 FT I.D. inch : 2.25  
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00  
DRILL PIPE LENGTH : 3332 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 28 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 XH

BLOW COMMENT #1 : INITIAL FLOW-STRONG BLOW-GAS TO SURFACE IN 2 MINUTES  
BLOW COMMENT #2 : SEE ATTACHED FLOW CHART.  
BLOW COMMENT #3 : WELL BLEW A LITTLE SALT WATER ON FINAL FLOW.  
BLOW COMMENT #4 :

RECOVERED : 600 FT OF: WATER

CHLORIDES: 110000 PPM

Total Barrels Fluid = 7.29  
Total Fluid Prod Rate = 139.90 BFPD  
Indicated Wtr Rate = 139.90 BWPD

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

SET PACKER(S) : 10:15 PM

TIME STARTED OFF BOTTOM : 2:30 AM

WELL TEMPERATURE : 124

INITIAL HYDROSTATIC PRESSURE

(A) 1755

INITIAL FLOW PERIOD MIN: 15

(B) 425 PSI TO (C) : 642

INITIAL CLOSED IN PERIOD MIN: 60

(D) 1476

FINAL FLOW PERIOD MIN: 60

(E) 537 PSI TO (F) : 721

FINAL CLOSED IN PERIOD MIN: 120

(G) 1472

FINAL HYDROSTATIC PRESSURE

(H) 1672

GAS FLOW REPORT

Date : 7-12-88	Ticket # : 13716
Customer : RINE EXPLORATION	Lease : SALSER
Well : #1-8      Test : 1	Geologist : P BAKER
Elevation (KB) : 1325      Formation : STALNECKER	
Section : 8      Township : 33S	
Range : 5W      County : HARPER	State : KANSAS
Gauge SN # : 4332      Range : 4200	Clock : 12

TIME GAUGE (MIN)	TESTER TYPE	ORFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
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PRE FLOW  
=====

02	MERLA	1 1/4"		GAS TO SURFACE
05			10	802000 CFPD
10			20	1233000 CFPD
15			26	1462000 CFPD

SECOND FLOW  
=====

10	MERLA	1 1/4"	40	1980000 CFPD
20			42	2056000 CFPD
30			44	2122000 CFPD
40			44	2122000 CFPD
50			44	2122000 CFPD
60			44	2122000 CFPD

10 MINUTES INTO FINAL FLOW HAD WATER BLOW.

Gas Bottle SN # : 108 P  
 Date Bottle Filled : 7-12-88  
 Date to be Invoiced :

WESTERN TESTING CO. INC.  
WICHITA-KANSAS

Pressure Transient Report  
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COMPANY : RINE EXPLORATION  
RIG : HARPER-KANSAS  
FIELD : SALSER  
WELL : #1-8  
DATE : 7-12-88  
GAUGE NO : 4332

OPERATIONAL COMMENTS

COMPANY : RINE EXPLORATION  
 WELL : #1-8  
 GAUGE # : 4332  
 DATE : 12/ 7/88

FIELD : SALSER  
 JOB # : 13716  
 DEPTH : 3497  
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	10:15: 0	0.000	425.000	124.00	0.000
2	10:19:59	0.083	595.000	124.00	170.000
3	10:25: 0	0.167	610.000	124.00	15.000
4	10:30: 0	0.250	642.000	124.00	32.000
5	10:33: 0	0.300	1435.000	124.00	793.000
6	10:36: 0	0.350	1459.000	124.00	24.000
7	10:39: 0	0.400	1467.000	124.00	8.000
8	10:42: 0	0.450	1471.000	124.00	4.000
9	10:45: 0	0.500	1474.000	124.00	3.000
10	10:48: 0	0.550	1475.000	124.00	1.000
11	10:51: 0	0.600	1476.000	124.00	1.000
12	10:54: 0	0.650	1476.000	124.00	0.000
13	10:57: 0	0.700	1476.000	124.00	0.000
14	11: 0: 0	0.750	1476.000	124.00	0.000
15	11: 3: 0	0.800	1476.000	124.00	0.000
16	11: 6: 0	0.850	1476.000	124.00	0.000
17	11: 9: 0	0.900	1476.000	124.00	0.000
18	11:12: 0	0.950	1476.000	124.00	0.000
19	11:15: 0	1.000	1476.000	124.00	0.000
20	11:18: 0	1.050	1476.000	124.00	0.000
21	11:21: 0	1.100	1476.000	124.00	0.000
22	11:24: 0	1.150	1476.000	124.00	0.000
23	11:27: 0	1.200	1476.000	124.00	0.000
24	11:30: 0	1.250	1476.000	124.00	0.000
25	11:31: 0	1.267	537.000	124.00	-939.000
26	11:34:59	1.333	693.000	124.00	156.000
27	11:40: 0	1.417	716.000	124.00	23.000
28	11:45: 0	1.500	725.000	124.00	9.000
29	11:49:59	1.583	813.000	124.00	88.000
30	11:55: 0	1.667	803.000	124.00	-10.000
31	12: 0: 0	1.750	802.000	124.00	-1.000
32	12: 4:59	1.833	799.000	124.00	-3.000
33	12:10: 0	1.917	794.000	124.00	-5.000
34	12:15: 0	2.000	790.000	124.00	-4.000
35	12:19:59	2.083	757.000	124.00	-33.000
36	12:25: 0	2.167	722.000	124.00	-35.000
37	12:30: 0	2.250	721.000	124.00	-1.000
38	12:33: 0	2.300	1432.000	124.00	711.000
39	12:36: 0	2.350	1451.000	124.00	19.000
40	12:39: 0	2.400	1459.000	124.00	8.000
41	12:42: 0	2.450	1463.000	124.00	4.000
42	12:45: 0	2.500	1464.000	124.00	1.000
43	12:48: 0	2.550	1465.000	124.00	1.000
44	12:51: 0	2.600	1466.000	124.00	1.000
45	12:54: 0	2.650	1467.000	124.00	1.000
46	12:57: 0	2.700	1468.000	124.00	1.000
47	13: 0: 0	2.750	1469.000	124.00	1.000
48	13: 3: 0	2.800	1470.000	124.00	1.000
49	13: 6: 0	2.850	1470.000	124.00	0.000
50	13: 9: 0	2.900	1470.000	124.00	0.000
51	13:12: 0	2.950	1470.000	124.00	0.000
52	13:15: 0	3.000	1470.000	124.00	0.000

COMPANY : RINE EXPLORATION  
WELL : #1-8  
GAUGE # : 4332  
DATE : 12/ 7/88

FIELD : SALSER  
JOB # : 13716  
DEPTH : 3497  
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	13:18: 0	3.050	1470.000	124.00	0.000
54	13:21: 0	3.100	1470.000	124.00	0.000
55	13:24: 0	3.150	1470.000	124.00	0.000
56	13:27: 0	3.200	1470.000	124.00	0.000
57	13:30: 0	3.250	1470.000	124.00	0.000
58	13:33: 0	3.300	1471.000	124.00	1.000
59	13:36: 0	3.350	1471.000	124.00	0.000
60	13:39: 0	3.400	1471.000	124.00	0.000
61	13:42: 0	3.450	1471.000	124.00	0.000
62	13:45: 0	3.500	1471.000	124.00	0.000
63	13:48: 0	3.550	1472.000	124.00	1.000
64	13:51: 0	3.600	1472.000	124.00	0.000
65	13:54: 0	3.650	1472.000	124.00	0.000
66	13:57: 0	3.700	1472.000	124.00	0.000
67	14: 0: 0	3.750	1472.000	124.00	0.000
68	14: 3: 0	3.800	1472.000	124.00	0.000
69	14: 6: 0	3.850	1472.000	124.00	0.000
70	14: 9: 0	3.900	1472.000	124.00	0.000
71	14:12: 0	3.950	1472.000	124.00	0.000
72	14:15: 0	4.000	1472.000	124.00	0.000
73	14:18: 0	4.050	1472.000	124.00	0.000
74	14:21: 0	4.100	1472.000	124.00	0.000
75	14:24: 0	4.150	1472.000	124.00	0.000
76	14:27: 0	4.200	1472.000	124.00	0.000
77	14:30: 0	4.250	1472.000	124.00	0.000

WESTERN TESTING CO. INC.