

FORMATION TEST REPORT

MAR 20 1990
KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH



Home Office:

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COMPANY BALCRON OIL COMPANY LEASE & WELL NO. HOUSE 3-36 SEC. 36 TWP. 16S RGE. 20W TEST NO. 1 DATE 14351

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

103656

DATE : 3/24/89
CUSTOMER : BALCRON OIL COMPANY
WELL : 3-36 TEST: 1
ELEVATION : 2100 GL
SECTION : 36
RANGE : 20W COUNTY : RUSH
GAUGE SN# : 10270 RANGE : 4150
TICKET : 14351
LEASE : HOUSE
GEOLOGIST : LANDERS
FORMATION : ARBUCKLE
TOWNSHIP : 16S
STATE : KANSAS
CLOCK : 12

INTERVAL FROM : 3825 TO : 3860 TOTAL DEPTH : 3860
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3820 SIZE : 6.63
PACKER DEPTH : 3825 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : ABERCROMBIE DRILLING RIG #7
MUD TYPE : CHEMICAL VISCOSITY : 52
WEIGHT : 9.4 WATER LOSS (CC) : 12.
CHLORIDES (PPM) : 10000
JARS-MAKE : BOWER SERIAL NUMBER : 422
DID WELL FLOW ? : NO REVERSED OUT ? : YES

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 566 FT I.D. inch : 2.70
DRILL PIPE LENGTH : 3235 FT I.D. inch : 3.80
TEST TOOL LENGTH : 24 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 35 FT ANCHOR SIZE : 5.50
SURFACE CHOKE SIZE : .50 IN BOTTOM CHOKE SIZE : .50
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5 XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD-STRONG BLOW THROUGHOUT
BLOW COMMENT #2 : FINAL FLOW PERIOD-STRONG BLOW THROUGHOUT
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 3230 FT OF: CLEAN GASSY OIL GRAVITY 41
RECOVERED : 120 FT OF: MUDDY GASSY OIL-35%OIL-45%GAS-20%MUD

Total Barrels Fluid = 43.06
Total Fluid Prod Rate = 1550.06 BFPD
Indicated Oil Rate = 1513.97 BOPD
Indicated Wtr Rate = 0.56 BWPD
Corrected Oil Rate = 412.96 BOPD
Corrected Wtr Rate = 0.15 BWPD

REMARK 1 : 330 FT GAS ABOVE FLUID
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 8:20 AM

TIME STARTED OFF BOTTOM : 11:00 AM

WELL TEMPERATURE : 118

INITIAL HYDROSTATIC PRESSURE

(A) 1965

INITIAL FLOW PERIOD MIN: 10

(B) 860 PSI TO (C) : 968

INITIAL CLOSED IN PERIOD MIN: 30

(D) 1184

FINAL FLOW PERIOD MIN: 30

(E) 1029 PSI TO (F) : 1177

FINAL CLOSED IN PERIOD MIN: 85

(G) 1189

FINAL HYDROSTATIC PRESSURE

(H) 1934

WESTERN TESTING CO. INC.
-WICHITA-KANSAS

Pressure Transient Report

COMPANY : BALCRON OIL COMPANY
RIG : RUSH-KANSAS
FIELD : HOUSE
WELL : 3-36
DATE : 3/24/89
GAUGE NO : 10270

OPERATIONAL COMMENTS

330 FT GAS ABOVE FLUID

COMPANY : BALCRON OIL COMPANY
WELL : 3-36
GAUGE # : 10270
DATE : 24/ 3/89

FIELD : HOUSE
JOB # : 14351
DEPTH : 3860
TEST : 330 FT GAS ABOVE FLUID

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(1-1)
INITIAL FLOW PERIOD					
2	8:20: 0	0.000	860.000	118.00	0.000
3	8:21: 0	0.017	860.000	118.00	0.000
4	8:21:59	0.033	861.000	118.00	1.000
5	8:23: 0	0.050	870.000	118.00	9.000
6	8:24: 0	0.067	880.000	118.00	10.000
7	8:24:59	0.083	894.000	118.00	14.000
8	8:26: 0	0.100	915.000	118.00	21.000
9	8:27: 0	0.117	929.000	118.00	14.000
10	8:27:59	0.133	948.000	118.00	19.000
11	8:29: 0	0.150	962.000	118.00	14.000
12	8:30: 0	0.167	968.000	118.00	6.000
INITIAL SHUT-IN PERIOD					
13	8:31: 0	0.183	1018.000	118.00	50.000
14	8:32: 0	0.200	1118.000	118.00	100.000
15	8:33: 0	0.217	1157.000	118.00	39.000
16	8:34: 0	0.233	1167.000	118.00	10.000
17	8:35: 0	0.250	1171.000	118.00	4.000
18	8:36: 0	0.267	1172.000	118.00	1.000
19	8:37: 0	0.283	1174.000	118.00	2.000
20	8:38: 0	0.300	1175.000	118.00	1.000
21	8:39: 0	0.317	1176.000	118.00	1.000
22	8:40: 0	0.333	1177.000	118.00	1.000
23	8:41: 0	0.350	1178.000	118.00	1.000
24	8:42: 0	0.367	1179.000	118.00	1.000
25	8:43: 0	0.383	1180.000	118.00	1.000
26	8:44: 0	0.400	1181.000	118.00	1.000
27	8:45: 0	0.417	1182.000	118.00	1.000
28	8:46: 0	0.433	1183.000	118.00	1.000
29	8:47: 0	0.450	1184.000	118.00	1.000
30	8:48: 0	0.467	1184.000	118.00	0.000
31	8:49: 0	0.483	1184.000	118.00	0.000
32	8:50: 0	0.500	1184.000	118.00	0.000
33	8:51: 0	0.517	1184.000	118.00	0.000
34	8:52: 0	0.533	1184.000	118.00	0.000
35	8:53: 0	0.550	1184.000	118.00	0.000
36	8:54: 0	0.567	1184.000	118.00	0.000
37	8:55: 0	0.583	1184.000	118.00	0.000
38	8:56: 0	0.600	1184.000	118.00	0.000
39	8:57: 0	0.617	1184.000	118.00	0.000
40	8:58: 0	0.633	1184.000	118.00	0.000
41	8:59: 0	0.650	1184.000	118.00	0.000
42	9: 0: 0	0.667	1184.000	118.00	0.000
FINAL FLOW PERIOD					
43	9: 1: 0	0.683	1029.000	118.00	-155.000
44	9: 1: 0	0.683	1029.000	118.00	0.000
45	9: 2: 0	0.700	1029.000	118.00	0.000
46	9: 3: 0	0.717	1036.000	118.00	7.000
47	9: 4: 0	0.733	1047.000	118.00	11.000
48	9: 5: 0	0.750	1057.000	118.00	10.000
49	9: 6: 0	0.767	1065.000	118.00	8.000

103656

COMPANY : BALCRON OIL COMPANY
 WELL : 3-36
 GAUGE # : 10270
 DATE : 24/ 3/89

FIELD : HOUSE
 JOB # : 14351
 DEPTH : 3860
 TEST : 330 FT GAS ABOVE FLUID

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(1-1)
50	9: 7: 0	0.783	1075.000	118.00	10.000
51	9: 8: 0	0.800	1087.000	118.00	12.000
52	9: 9: 0	0.817	1095.000	118.00	8.000
53	9:10: 0	0.833	1104.000	118.00	9.000
54	9:11: 0	0.850	1114.000	118.00	10.000
55	9:12: 0	0.867	1121.000	118.00	7.000
56	9:13: 0	0.883	1131.000	118.00	10.000
57	9:14: 0	0.900	1135.000	118.00	4.000
58	9:15: 0	0.917	1141.000	118.00	6.000
59	9:16: 0	0.933	1146.000	118.00	5.000
60	9:17: 0	0.950	1151.000	118.00	5.000
61	9:18: 0	0.967	1155.000	118.00	4.000
62	9:19: 0	0.983	1158.000	118.00	3.000
63	9:20: 0	1.000	1162.000	118.00	4.000
64	9:21: 0	1.017	1164.000	118.00	2.000
65	9:22: 0	1.033	1167.000	118.00	3.000
66	9:23: 0	1.050	1169.000	118.00	2.000
67	9:24: 0	1.067	1171.000	118.00	2.000
68	9:25: 0	1.083	1172.000	118.00	1.000
69	9:26: 0	1.100	1173.000	118.00	1.000
70	9:27: 0	1.117	1174.000	118.00	1.000
71	9:28: 0	1.133	1175.000	118.00	1.000
72	9:29: 0	1.150	1176.000	118.00	1.000
73	9:30: 0	1.167	1177.000	118.00	1.000
FINAL SHUT-IN PERIOD					
74	9:31: 0	1.183	1178.000	118.00	1.000
75	9:32: 0	1.200	1179.000	118.00	1.000
76	9:33: 0	1.217	1180.000	118.00	1.000
77	9:34: 0	1.233	1181.000	118.00	1.000
78	9:35: 0	1.250	1182.000	118.00	1.000
79	9:36: 0	1.267	1183.000	118.00	1.000
80	9:37: 0	1.283	1184.000	118.00	1.000
81	9:38: 0	1.300	1185.000	118.00	1.000
82	9:39: 0	1.317	1185.000	118.00	0.000
83	9:40: 0	1.333	1185.000	118.00	0.000
84	9:41: 0	1.350	1185.000	118.00	0.000
85	9:42: 0	1.367	1185.000	118.00	0.000
86	9:43: 0	1.383	1185.000	118.00	0.000
87	9:44: 0	1.400	1185.000	118.00	0.000
88	9:45: 0	1.417	1185.000	118.00	0.000
89	9:46: 0	1.433	1186.000	118.00	1.000
90	9:47: 0	1.450	1186.000	118.00	0.000
91	9:48: 0	1.467	1186.000	118.00	0.000
92	9:49: 0	1.483	1186.000	118.00	0.000
93	9:50: 0	1.500	1186.000	118.00	0.000
94	9:51: 0	1.517	1186.000	118.00	0.000
95	9:52: 0	1.533	1186.000	118.00	0.000
96	9:53: 0	1.550	1186.000	118.00	0.000
97	9:54: 0	1.567	1186.000	118.00	0.000
98	9:55: 0	1.583	1186.000	118.00	0.000
99	9:56: 0	1.600	1186.000	118.00	0.000
100	9:57: 0	1.617	1186.000	118.00	0.000

COMPANY : BALCRON OIL COMPANY
WELL : 3-36
GAUGE # : 10270
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FIELD : HOUSE
JOB # : 14351
DEPTH : 3860
TEST : 330 FT GAS ABOVE FLUID

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(1-1)
101	9:58: 0	1.633	1186.000	118.00	0.000
102	9:59: 0	1.650	1186.000	118.00	0.000
103	10: 0: 0	1.667	1186.000	118.00	0.000
104	10: 1: 0	1.683	1187.000	118.00	1.000
105	10: 2: 0	1.700	1187.000	118.00	0.000
106	10: 3: 0	1.717	1187.000	118.00	0.000
107	10: 4: 0	1.733	1187.000	118.00	0.000
108	10: 5: 0	1.750	1187.000	118.00	0.000
109	10: 6: 0	1.767	1187.000	118.00	0.000
110	10: 7: 0	1.783	1187.000	118.00	0.000
111	10: 8: 0	1.800	1188.000	118.00	1.000
112	10: 9: 0	1.817	1188.000	118.00	0.000
113	10:10: 0	1.833	1188.000	118.00	0.000
114	10:11: 0	1.850	1188.000	118.00	0.000
115	10:12: 0	1.867	1188.000	118.00	0.000
116	10:13: 0	1.883	1188.000	118.00	0.000
117	10:14: 0	1.900	1188.000	118.00	0.000
118	10:15: 0	1.917	1189.000	118.00	1.000
119	10:16: 0	1.933	1189.000	118.00	0.000
120	10:17: 0	1.950	1189.000	118.00	0.000
121	10:18: 0	1.967	1189.000	118.00	0.000
122	10:19: 0	1.983	1189.000	118.00	0.000
123	10:20: 0	2.000	1189.000	118.00	0.000
124	10:21: 0	2.017	1189.000	118.00	0.000
125	10:22: 0	2.033	1189.000	118.00	0.000
126	10:23: 0	2.050	1189.000	118.00	0.000
127	10:24: 0	2.067	1189.000	118.00	0.000
128	10:25: 0	2.083	1189.000	118.00	0.000
129	10:26: 0	2.100	1189.000	118.00	0.000
130	10:27: 0	2.117	1189.000	118.00	0.000
131	10:28: 0	2.133	1189.000	118.00	0.000
132	10:29: 0	2.150	1189.000	118.00	0.000
133	10:30: 0	2.167	1189.000	118.00	0.000
134	10:31: 0	2.183	1189.000	118.00	0.000
135	10:32: 0	2.200	1189.000	118.00	0.000
136	10:33: 0	2.217	1189.000	118.00	0.000
137	10:34: 0	2.233	1189.000	118.00	0.000
138	10:35: 0	2.250	1189.000	118.00	0.000
139	10:36: 0	2.267	1189.000	118.00	0.000
140	10:37: 0	2.283	1189.000	118.00	0.000
141	10:38: 0	2.300	1189.000	118.00	0.000
142	10:39: 0	2.317	1189.000	118.00	0.000
143	10:40: 0	2.333	1189.000	118.00	0.000
144	10:41: 0	2.350	1189.000	118.00	0.000
145	10:42: 0	2.367	1189.000	118.00	0.000
146	10:43: 0	2.383	1189.000	118.00	0.000
147	10:44: 0	2.400	1189.000	118.00	0.000
148	10:45: 0	2.417	1189.000	118.00	0.000
149	10:46: 0	2.433	1189.000	118.00	0.000
150	10:47: 0	2.450	1189.000	118.00	0.000
151	10:48: 0	2.467	1189.000	118.00	0.000
152	10:49: 0	2.483	1189.000	118.00	0.000

COMPANY : BALCRON OIL COMPANY
WELL : 3-36
GAUGE # : 10270
DATE : 24/ 3/89

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FIELD : HOUSE
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TEST : 330 FT GAS ABOVE FLUID

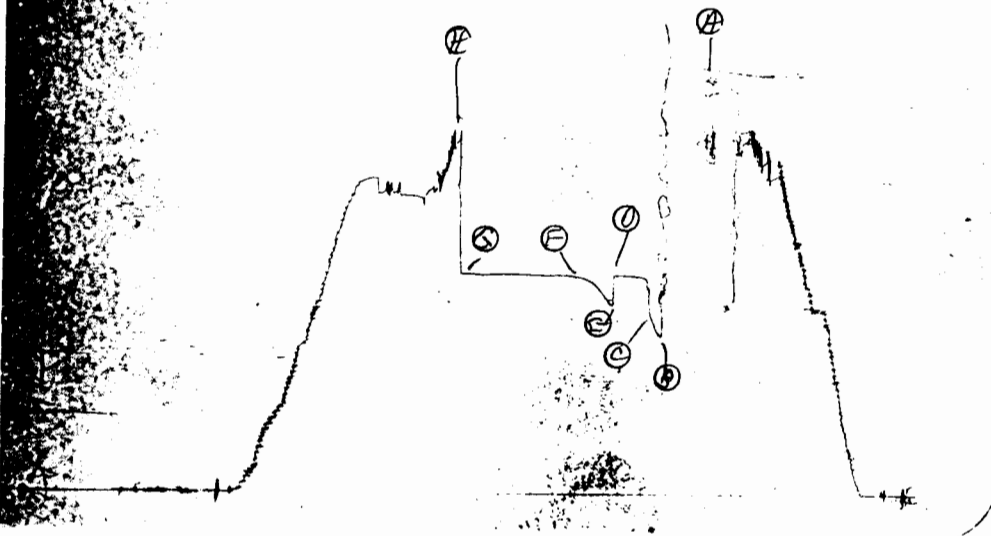
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(1-1)
153	10:50: 0	2.500	1189.000	118.00	0.000
154	10:51: 0	2.517	1189.000	118.00	0.000
155	10:52: 0	2.533	1189.000	118.00	0.000
156	10:53: 0	2.550	1189.000	118.00	0.000
157	10:54: 0	2.567	1189.000	118.00	0.000
158	10:55: 0	2.583	1189.000	118.00	0.000

WESTERN TESTING CO. INC.

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