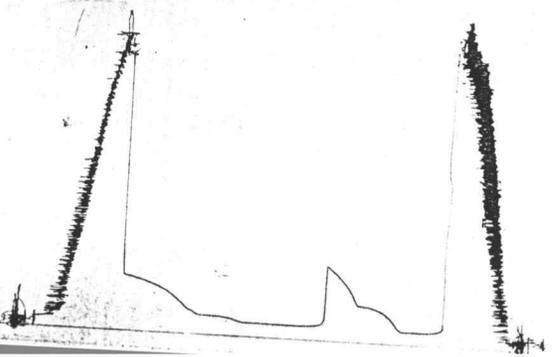


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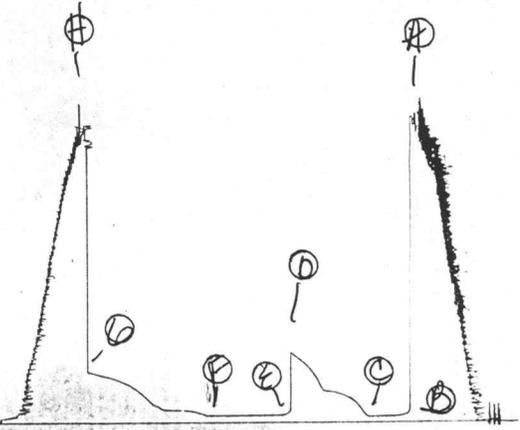
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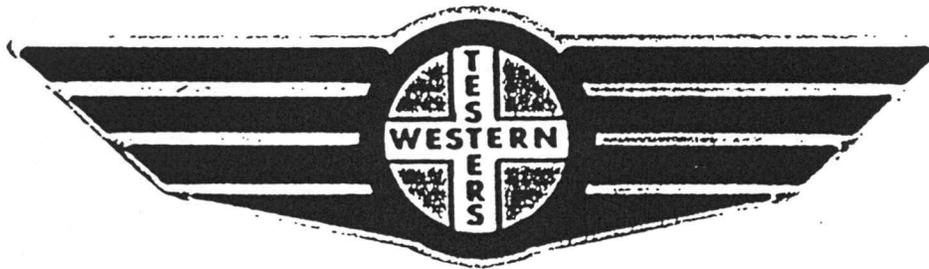
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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 9-23-87 TICKET : 11936
CUSTOMER : SOURCE PETROLEUM & JAY BOY OIL CO. INC.
WELL : #A-1 TEST: 1 LEASE : GAEDDERT
ELEVATION : 1430 GEOLOGIST : P. HARGIS
SECTION : 21 FORMATION : NA
RANGE : 3W COUNTY : HARVEY TOWNSHIP : 22S
GAUGE SN# : 10270 RANGE : 4150 STATE : KANSAS
CLOCK : 12

INTERVAL FROM : 3195 TO : 3219 TOTAL DEPTH : 3219
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3190 SIZE : 6.63
PACKER DEPTH : 3195 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : ALLEN RIG #3
MUD TYPE : CHEMICAL VISCOSITY : 52
WEIGHT : 9.4 WATER LOSS (CC) : 11.2
CHLORIDES (PPM) : 1000
JARS-MAKE : - SERIAL NUMBER : -
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3173 FT I.D. inch : 3.80
TEST TOOL LENGTH : 22 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 24 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-WEAK BLOW BUILDING TO STRONG IN 4 MINUTES.
BLOW COMMENT #2 : FINAL FLOW-STRONG BLOW THROUGHOUT.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : SOURCE PETROLEUM & JAY BOY OIL CO. INC.
RIG : HARVEY-KANSAS
FIELD : GAEDDERT
WELL : #A-1
DATE : 9-23-87
GAUGE NO : 10270

OPERATIONAL COMMENTS

RECOVERED 1405 FEET OF GAS ABOVE FLUID.

COMPANY : SOURCE PETROLEUM & JAY BOY OIL CO. INC.

FIELD : GAEDDERT

WELL : #A-1

JOB # : 11936

GAUGE # : 10270

DEPTH : 3219

DATE : 23/ 9/87

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	11:55: 0	0.000	28.000	104.00	0.000
2	11:59:59	0.083	28.000	104.00	0.000
3	12: 5: 0	0.167	28.000	104.00	0.000
4	12:10: 0	0.250	28.000	104.00	0.000
5	12:14:59	0.333	28.000	104.00	0.000
6	12:20: 0	0.417	28.000	104.00	0.000
7	12:25: 0	0.500	28.000	104.00	0.000
8	12:28: 0	0.550	32.000	104.00	4.000
9	12:31: 0	0.600	58.000	104.00	26.000
10	12:34: 0	0.650	91.000	104.00	33.000
11	12:37: 0	0.700	114.000	104.00	23.000
12	12:40: 0	0.750	126.000	104.00	12.000
13	12:43: 0	0.800	139.000	104.00	13.000
14	12:46: 0	0.850	146.000	104.00	7.000
15	12:49: 0	0.900	154.000	104.00	8.000
16	12:52: 0	0.950	160.000	104.00	6.000
17	12:55: 0	1.000	164.000	104.00	4.000
18	12:58: 0	1.050	166.000	104.00	2.000
19	13: 1: 0	1.100	185.000	104.00	19.000
20	13: 4: 0	1.150	217.000	104.00	32.000
21	13: 7: 0	1.200	262.000	104.00	45.000
22	13:10: 0	1.250	289.000	104.00	27.000
23	13:13: 0	1.300	314.000	104.00	25.000
24	13:16: 0	1.350	333.000	104.00	19.000
25	13:19: 0	1.400	350.000	104.00	17.000
26	13:22: 0	1.450	368.000	104.00	18.000
27	13:25: 0	1.500	380.000	104.00	12.000
28	13:26: 0	1.517	35.000	104.00	-345.000
29	13:29:59	1.583	35.000	104.00	0.000
30	13:35: 0	1.667	35.000	104.00	0.000
31	13:40: 0	1.750	35.000	104.00	0.000
32	13:44:59	1.833	35.000	104.00	0.000
33	13:50: 0	1.917	35.000	104.00	0.000
34	13:55: 0	2.000	35.000	104.00	0.000
35	13:59:59	2.083	35.000	104.00	0.000
36	14: 5: 0	2.167	35.000	104.00	0.000
37	14:10: 0	2.250	35.000	104.00	0.000
38	14:14:59	2.333	35.000	104.00	0.000
39	14:20: 0	2.417	35.000	104.00	0.000
40	14:25: 0	2.500	35.000	104.00	0.000
41	14:28: 0	2.550	37.000	104.00	2.000
42	14:31: 0	2.600	45.000	104.00	8.000
43	14:34: 0	2.650	51.000	104.00	6.000
44	14:37: 0	2.700	56.000	104.00	5.000
45	14:40: 0	2.750	62.000	104.00	6.000
46	14:43: 0	2.800	64.000	104.00	2.000
47	14:46: 0	2.850	65.000	104.00	1.000
48	14:49: 0	2.900	65.000	104.00	0.000
49	14:52: 0	2.950	66.000	104.00	1.000
50	14:55: 0	3.000	67.000	104.00	1.000
51	14:58: 0	3.050	67.000	104.00	0.000
52	15: 1: 0	3.100	74.000	104.00	7.000

COMPANY : SOURCE PETROLEUM & JAY BOY OIL CO. INC.

FIELD : GAEDDERT

WELL : #A-1

JOB # : 11936

GAUGE # : 10270

DEPTH : 3219

DATE : 23/ 9/87

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	15: 4: 0	3.150	89.000	104.00	15.000
54	15: 7: 0	3.200	97.000	104.00	8.000
55	15:10: 0	3.250	121.000	104.00	24.000
56	15:13: 0	3.300	140.000	104.00	19.000
57	15:16: 0	3.350	160.000	104.00	20.000
58	15:19: 0	3.400	177.000	104.00	17.000
59	15:22: 0	3.450	192.000	104.00	15.000
60	15:25: 0	3.500	205.000	104.00	13.000
61	15:28: 0	3.550	217.000	104.00	12.000
62	15:31: 0	3.600	226.000	104.00	9.000
63	15:34: 0	3.650	234.000	104.00	8.000
64	15:37: 0	3.700	242.000	104.00	8.000
65	15:40: 0	3.750	248.000	104.00	6.000
66	15:43: 0	3.800	253.000	104.00	5.000
67	15:46: 0	3.850	259.000	104.00	6.000
68	15:49: 0	3.900	267.000	104.00	8.000
69	15:52: 0	3.950	271.000	104.00	4.000
70	15:55: 0	4.000	276.000	104.00	5.000

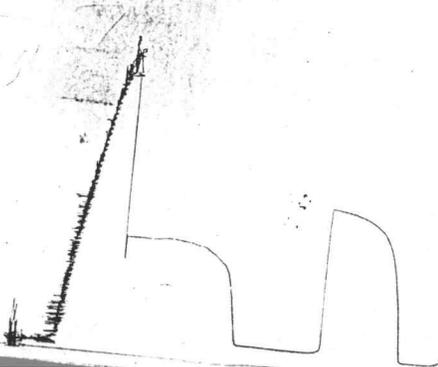
WESTERN TESTING CO. INC.

Site # 11937

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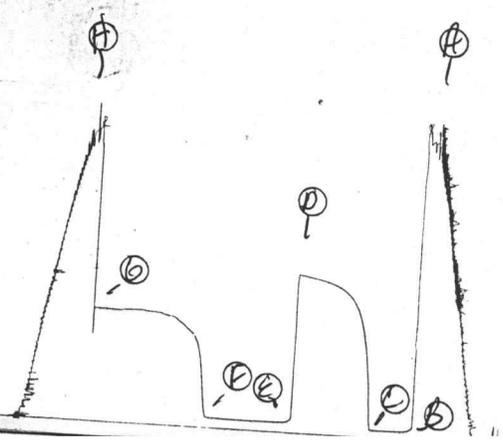
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Site # 11937

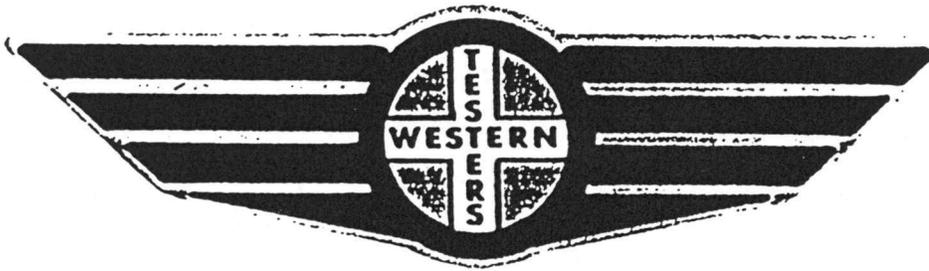
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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY SOURCE PETROLEUM & JAY BOY OIL LEASE & WELL NO. GAEDDERT #A-1 SEC. 21 TWP. 22S RGE. 3W TEST NO. 2 DATE 9-24-87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 9-24-87 TICKET : 11937
CUSTOMER : SOURCE PETROLEUM & JAY BOY OIL CO. INC.
WELL : #A-1 TEST: 2 LEASE : GAEDDERT
ELEVATION : 1430 GEOLOGIST : P. HARGIS
SECTION : 21 FORMATION : MISSISSIPPI
RANGE : 3W COUNTY : HARVEY STATE : KANSAS
GAUGE SN# : 10270 RANGE : 4150 CLOCK : 12

INTERVAL FROM : 3220 TO : 3245 TOTAL DEPTH : 3245

DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3215 SIZE : 6.63
PACKER DEPTH : 3220 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : ALLEN RIG #3
MUD TYPE : CHEMICAL VISCOSITY : 57
WEIGHT : 9.2 WATER LOSS (CC) : 10.4
CHLORIDES (PPM) : 1000
JARS-MAKE : WTC SERIAL NUMBER : 421
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3193 FT I.D. inch : 3.80
TEST TOOL LENGTH : 27 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 25 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 : WEAK 1/2" BLOW THROUGHOUT THE INITIAL FLOW.
BLOW COMMENT #2 : VERY WEAK SURFACE BLOW THROUGHOUT THE FINAL FLOW.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 70 FT OF: WATERY MUD
49% WATER-50% MUD-1% OIL

CHLORIDES: 20000 PPM

Total Barrels Fluid = 0.98
Total Fluid Prod Rate = 15.71 BFPD
Indicated Oil Rate = 0.16 BOPD
Indicated Wtr Rate = 8.98 BWPD

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

SET PACKER(S) : 12:30 PM
WELL TEMPERATURE : 110

TIME STARTED OFF BOTTOM : 4:30 PM

INITIAL HYDROSTATIC PRESSURE

(A) 1636

INITIAL FLOW PERIOD MIN: 30

(B) 38 PSI TO (C) : 38

INITIAL CLOSED IN PERIOD MIN: 60

(D) 869

FINAL FLOW PERIOD MIN: 60

(E) 52 PSI TO (F) : 52

FINAL CLOSED IN PERIOD MIN: 90

(G) 620

FINAL HYDROSTATIC PRESSURE

(H) 1619

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : SOURCE PETROLEUM & JAY BOY OIL CO. INC.
RIG : HARVEY-KANSAS
FIELD : GAEDDERT
WELL : #A-1
DATE : 9-24-87
GAUGE NO : 10270

OPERATIONAL COMMENTS

COMPANY : SOURCE PETROLEUM & JAY BOY OIL CO. INC.

WELL : #A-1
 GAUGE # : 10270
 DATE : 24/ 9/87

FIELD : GAEDDERT
 JOB # : 11937
 DEPTH : 3245
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	12:30: 0	0.000	38.000	110.00	0.000
2	12:34:59	0.083	38.000	110.00	0.000
3	12:40: 0	0.167	38.000	110.00	0.000
4	12:45: 0	0.250	38.000	110.00	0.000
5	12:49:59	0.333	38.000	110.00	0.000
6	12:55: 0	0.417	38.000	110.00	0.000
7	13: 0: 0	0.500	38.000	110.00	0.000
8	13: 3: 0	0.550	296.000	110.00	258.000
9	13: 6: 0	0.600	483.000	110.00	187.000
10	13: 9: 0	0.650	605.000	110.00	122.000
11	13:12: 0	0.700	682.000	110.00	77.000
12	13:15: 0	0.750	723.000	110.00	41.000
13	13:18: 0	0.800	758.000	110.00	35.000
14	13:21: 0	0.850	779.000	110.00	21.000
15	13:24: 0	0.900	801.000	110.00	22.000
16	13:27: 0	0.950	813.000	110.00	12.000
17	13:30: 0	1.000	823.000	110.00	10.000
18	13:33: 0	1.050	831.000	110.00	8.000
19	13:36: 0	1.100	838.000	110.00	7.000
20	13:39: 0	1.150	843.000	110.00	5.000
21	13:42: 0	1.200	850.000	110.00	7.000
22	13:45: 0	1.250	855.000	110.00	5.000
23	13:48: 0	1.300	858.000	110.00	3.000
24	13:51: 0	1.350	861.000	110.00	3.000
25	13:54: 0	1.400	864.000	110.00	3.000
26	13:57: 0	1.450	867.000	110.00	3.000
27	14: 0: 0	1.500	869.000	110.00	2.000
28	14: 1: 0	1.517	52.000	110.00	-817.000
29	14: 4:59	1.583	52.000	110.00	0.000
30	14:10: 0	1.667	52.000	110.00	0.000
31	14:15: 0	1.750	52.000	110.00	0.000
32	14:19:59	1.833	52.000	110.00	0.000
33	14:25: 0	1.917	52.000	110.00	0.000
34	14:30: 0	2.000	52.000	110.00	0.000
35	14:34:59	2.083	52.000	110.00	0.000
36	14:40: 0	2.167	52.000	110.00	0.000
37	14:45: 0	2.250	52.000	110.00	0.000
38	14:49:59	2.333	52.000	110.00	0.000
39	14:55: 0	2.417	52.000	110.00	0.000
40	15: 0: 0	2.500	52.000	110.00	0.000
41	15: 3: 0	2.550	76.000	110.00	24.000
42	15: 6: 0	2.600	220.000	110.00	144.000
43	15: 9: 0	2.650	349.000	110.00	129.000
44	15:12: 0	2.700	444.000	110.00	95.000
45	15:15: 0	2.750	490.000	110.00	46.000
46	15:18: 0	2.800	516.000	110.00	26.000
47	15:21: 0	2.850	536.000	110.00	20.000
48	15:24: 0	2.900	557.000	110.00	21.000
49	15:27: 0	2.950	571.000	110.00	14.000
50	15:30: 0	3.000	587.000	110.00	16.000
51	15:33: 0	3.050	600.000	110.00	13.000
52	15:36: 0	3.100	604.000	110.00	4.000

COMPANY : SOURCE PETROLEUM & JAY BOY OIL CO. INC.

FIELD : GAEDDERT

WELL : #A-1

JOB # : 11937

GAUGE # : 10270

DEPTH : 3245

DATE : 24/ 9/87

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	15:39: 0	3.150	606.000	110.00	2.000
54	15:42: 0	3.200	616.000	110.00	10.000
55	15:45: 0	3.250	620.000	110.00	4.000
56	15:48: 0	3.300	620.000	110.00	0.000
57	15:51: 0	3.350	620.000	110.00	0.000
58	15:54: 0	3.400	620.000	110.00	0.000
59	15:57: 0	3.450	620.000	110.00	0.000
60	16: 0: 0	3.500	620.000	110.00	0.000
61	16: 3: 0	3.550	620.000	110.00	0.000
62	16: 6: 0	3.600	620.000	110.00	0.000
63	16: 9: 0	3.650	620.000	110.00	0.000
64	16:12: 0	3.700	620.000	110.00	0.000
65	16:15: 0	3.750	620.000	110.00	0.000
66	16:18: 0	3.800	620.000	110.00	0.000
67	16:21: 0	3.850	620.000	110.00	0.000
68	16:24: 0	3.900	620.000	110.00	0.000
69	16:27: 0	3.950	620.000	110.00	0.000
70	16:30: 0	4.000	620.000	110.00	0.000

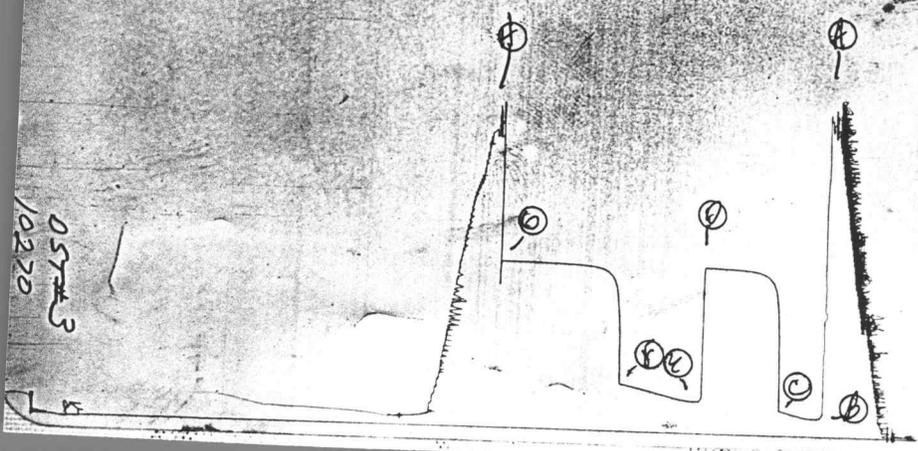
WESTERN TESTING CO. INC.

Site # 11938

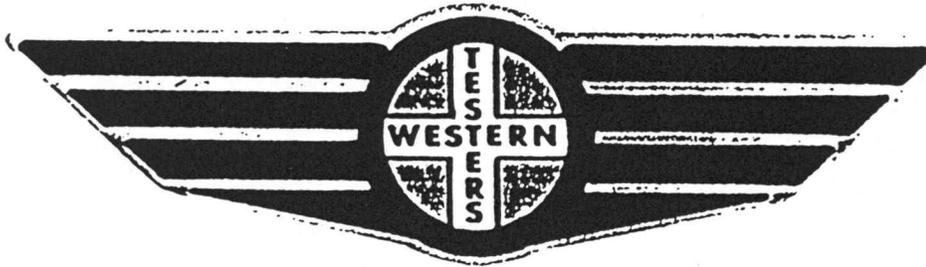
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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY SOURCE PETROLEUM & JAY BOY OIL LEASE & WELL NO. GAEDDERT #A-1 SEC. 21 TWP. 22S RGE. 3W TEST NO. 3 DATE 9-24-87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 9-24-87 TICKET : 11938
CUSTOMER : SOURCE PETROLEUM & JAY BOY OIL CO. INC.
WELL : #A-1 TEST: 3 LEASE : GAEDDERT
ELEVATION : 1430 GEOLOGIST : S. DAVIS
SECTION : 21 FORMATION : MISSISSIPPI
RANGE : 3W COUNTY : HARVEY TOWNSHIP : 22S
GAUGE SN# : 10270 RANGE : 4150 STATE : KANSAS
CLOCK : 12

INTERVAL FROM : 3247 TO : 3256 TOTAL DEPTH : 3256
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3242 SIZE : 6.63
PACKER DEPTH : 3247 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : ALLEN RIG #3
MUD TYPE : CHEMICAL VISCOSITY : 57
WEIGHT : 9.3 WATER LOSS (CC) : 10.4
CHLORIDES (PPM) : 1000
JARS-MAKE : WTC SERIAL NUMBER : 421
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3220 FT I.D. inch : 3.80
TEST TOOL LENGTH : 27 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 9 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-WEAK BLOW BUILDING TO STRONG IN 21 MINUTES.
BLOW COMMENT #2 : FINAL FLOW-WEAK 1" BLOW BUILDING TO A FAIR 4" BLOW.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 30 FT OF: MUDDY WATER / WITH SHOW OF OIL
RECOVERED : 420 FT OF: WATER

CHLORIDES: 54000 PPM

Total Barrels Fluid = 6.31
Total Fluid Prod Rate = 95.67 BFPD
Indicated Wtr Rate = 92.49 BWPD

REMARK 1 :
REMARK 2 : JAY BOY GEOLOGIST HAS CHART #13268 (OUTSIDE CHART).
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 11:40 PM
WELL TEMPERATURE : 110
INITIAL HYDROSTATIC PRESSURE (A) 1692
INITIAL FLOW PERIOD MIN: 35 (B) 79 PSI TO (C) : 115
INITIAL CLOSED IN PERIOD MIN: 60 (D) 890
FINAL FLOW PERIOD MIN: 60 (E) 149 PSI TO (F) : 227
FINAL CLOSED IN PERIOD MIN: 90 (G) 886
FINAL HYDROSTATIC PRESSURE (H) 1643
TIME STARTED OFF BOTTOM : 3:40 AM

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : SOURCE PETROLEUM & JAY BOY OIL CO. INC.
RIG : HARVEY-KANSAS
FIELD : GAEDDERT
WELL : #A-1
DATE : 9-24-87
GAUGE NO : 10270

OPERATIONAL COMMENTS

JAY BOY GEOLOGIST HAS CHART #13268 (OUTSIDE CHART).

COMPANY : SOURCE PETROLEUM & JAY BOY OIL CO. INC.

WELL : #A-1
 GAUGE # : 10270
 DATE : 24/ 9/87

FIELD : GAEDDERT
 JOB # : 11938
 DEPTH : 3256
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(1-1)
1	11:40: 0	0.000	79.000	110.00	0.000
2	11:44:59	0.083	79.000	110.00	0.000
3	11:50: 0	0.167	79.000	110.00	0.000
4	11:55: 0	0.250	82.000	110.00	3.000
5	11:59:59	0.333	92.000	110.00	10.000
6	12: 5: 0	0.417	99.000	110.00	7.000
7	12:10: 0	0.500	109.000	110.00	10.000
8	12:14:59	0.583	115.000	110.00	6.000
9	12:17:59	0.633	521.000	110.00	406.000
10	12:20:59	0.683	760.000	110.00	239.000
11	12:23:59	0.733	825.000	110.00	65.000
12	12:26:59	0.783	846.000	110.00	21.000
13	12:29:59	0.833	861.000	110.00	15.000
14	12:32:59	0.883	870.000	110.00	9.000
15	12:35:59	0.933	876.000	110.00	6.000
16	12:38:59	0.983	879.000	110.00	3.000
17	12:41:59	1.033	883.000	110.00	4.000
18	12:44:59	1.083	885.000	110.00	2.000
19	12:47:59	1.133	886.000	110.00	1.000
20	12:50:59	1.183	887.000	110.00	1.000
21	12:53:59	1.233	888.000	110.00	1.000
22	12:56:59	1.283	889.000	110.00	1.000
23	12:59:59	1.333	889.000	110.00	0.000
24	13: 2:59	1.383	890.000	110.00	1.000
25	13: 5:59	1.433	890.000	110.00	0.000
26	13: 8:59	1.483	890.000	110.00	0.000
27	13:11:59	1.533	890.000	110.00	0.000
28	13:14:59	1.583	890.000	110.00	0.000
29	13:16: 0	1.600	149.000	110.00	-741.000
30	13:19:59	1.667	149.000	110.00	0.000
31	13:25: 0	1.750	149.000	110.00	0.000
32	13:29:59	1.833	155.000	110.00	6.000
33	13:34:59	1.917	160.000	110.00	5.000
34	13:40: 0	2.000	169.000	110.00	9.000
35	13:44:59	2.083	178.000	110.00	9.000
36	13:49:59	2.167	185.000	110.00	7.000
37	13:55: 0	2.250	196.000	110.00	11.000
38	13:59:59	2.333	202.000	110.00	6.000
39	14: 4:59	2.417	213.000	110.00	11.000
40	14:10: 0	2.500	220.000	110.00	7.000
41	14:14:59	2.583	227.000	110.00	7.000
42	14:17:59	2.633	643.000	110.00	416.000
43	14:20:59	2.683	790.000	110.00	147.000
44	14:23:59	2.733	830.000	110.00	40.000
45	14:26:59	2.783	851.000	110.00	21.000
46	14:29:59	2.833	862.000	110.00	11.000
47	14:32:59	2.883	868.000	110.00	6.000
48	14:35:59	2.933	873.000	110.00	5.000
49	14:38:59	2.983	876.000	110.00	3.000
50	14:41:59	3.033	879.000	110.00	3.000
51	14:44:59	3.083	880.000	110.00	1.000
52	14:47:59	3.133	881.000	110.00	1.000

COMPANY : SOURCE PETROLEUM & JAY BOY OIL CO. INC.

FIELD : GAEDDERT

WELL : #A-1

JOB # : 11938

GAUGE # : 10270

DEPTH : 3256

DATE : 24/ 9/87

TEST :

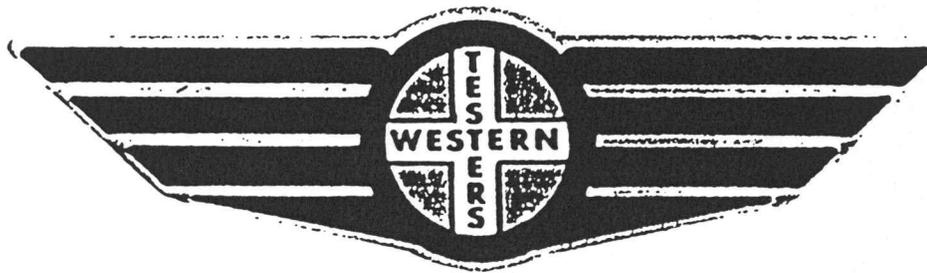
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(i-1)
53	14:50:59	3.183	882.000	110.00	1.000
54	14:53:59	3.233	883.000	110.00	1.000
55	14:56:59	3.283	883.000	110.00	0.000
56	14:59:59	3.333	884.000	110.00	1.000
57	15: 2:59	3.383	884.000	110.00	0.000
58	15: 5:59	3.433	885.000	110.00	1.000
59	15: 8:59	3.483	885.000	110.00	0.000
60	15:11:59	3.533	886.000	110.00	1.000
61	15:14:59	3.583	886.000	110.00	0.000
62	15:17:59	3.633	886.000	110.00	0.000
63	15:20:59	3.683	886.000	110.00	0.000
64	15:23:59	3.733	886.000	110.00	0.000
65	15:26:59	3.783	886.000	110.00	0.000
66	15:29:59	3.833	886.000	110.00	0.000
67	15:32:59	3.883	886.000	110.00	0.000
68	15:35:59	3.933	886.000	110.00	0.000
69	15:38:59	3.983	886.000	110.00	0.000
70	15:41:59	4.033	886.000	110.00	0.000
71	15:44:59	4.083	886.000	110.00	0.000

WESTERN TESTING CO. INC.

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY SOURCE PETROLEUM & JAY BOY OIL LEASE & WELL NO. CAEDDERT #A-1 SEC. 21 TWP. 22SRGE. 3W TEST NO. 4 DATE 9-26-87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 9-26-87 TICKET : 11939
CUSTOMER : SOURCE PETROLEUM & JAY BOY OIL CO. INC.
WELL : #A-1 TEST: 4 LEASE : GAEDDERT
ELEVATION : 1430 GEOLOGIST : P. HARGIS
SECTION : 21 FORMATION : SIMPSON
RANGE : 3W COUNTY : HARVEY TOWNSHIP : 22S
GAUGE SN# : 10270 RANGE : 4150 STATE : KANSAS
CLOCK : 12

INTERVAL FROM : 3702 TO : 3732 TOTAL DEPTH : 3732
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3697 SIZE : 6.63
PACKER DEPTH : 3702 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : ALLEN RIG #3
MUD TYPE : CHEMICAL VISCOSITY : 44
WEIGHT : 9.4 WATER LOSS (CC) : 10.4
CHLORIDES (PPM) : 1100
JARS-MAKE : WTC SERIAL NUMBER : 411
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3675 FT I.D. inch : 3.80
TEST TOOL LENGTH : 27 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 XH

BLOW COMMENT #1 : INITIAL FLOW-WEAK BLOW BUILDING TO STRONG IN 9 MINUTES
BLOW COMMENT #2 : FINAL FLOW-FAIR BLOW BUILDING TO STRONG IN 10 MINUTES.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 890 FT OF: CLEAN GASSY OIL GRAVITY 43
RECOVERED : 30 FT OF: HEAVY OIL & GAS CUT MUD
20% OIL-50% GAS-30% MUD
RECOVERED : 120 FT OF: HEAVY OIL & GAS CUT MUD
11% OIL-19% GAS-70% MUD

Total Barrels Fluid = 14.59
Total Fluid Prod Rate = 233.40 BFPD
Indicated Oil Rate = 204.22 BOPD
Indicated Wtr Rate = 2.24 BHPD
Corrected Oil Rate = 193.03 BOPD
Corrected Wtr Rate = 2.12 BHPD

REMARK 1 :
REMARK 2 : RECOVERED 400 FEET OF GAS ABOVE FLUID.
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 4:10 PM TIME STARTED OFF BOTTOM : 8:10 PM
WELL TEMPERATURE : 110
INITIAL HYDROSTATIC PRESSURE (A) 1907
INITIAL FLOW PERIOD MIN: 30 (B) 73 PSI TO (C) : 140
INITIAL CLOSED IN PERIOD MIN: 60 (D) 976
FINAL FLOW PERIOD MIN: 60 (E) 203 PSI TO (F) : 375
FINAL CLOSED IN PERIOD MIN: 87 (G) 972
FINAL HYDROSTATIC PRESSURE (H) 1860

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : SOURCE PETROLEUM & JAY BOY OIL CO. INC.
RIG : HARVEY-KANSAS
FIELD : GAEDDERT
WELL : #A-1
DATE : 9-26-87
GAUGE NO : 10270

OPERATIONAL COMMENTS

RECOVERED 400 FEET OF GAS ABOVE FLUID.

COMPANY : SOURCE PETROLEUM & JAY BOY OIL CO. INC.

FIELD : GAEDDERT

WELL : #A-1
 GAUGE # : 10270
 DATE : 26/ 9/87

JOB # : 11939
 DEPTH : 3732
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	4:10:0	0.000	73.000	110.00	0.000
2	4:14:59	0.083	73.000	110.00	0.000
3	4:20:0	0.167	76.000	110.00	3.000
4	4:25:0	0.250	87.000	110.00	11.000
5	4:29:59	0.333	103.000	110.00	16.000
6	4:35:0	0.417	121.000	110.00	18.000
7	4:40:0	0.500	140.000	110.00	19.000
8	4:43:0	0.550	895.000	110.00	755.000
9	4:46:0	0.600	928.000	110.00	33.000
10	4:49:0	0.650	944.000	110.00	16.000
11	4:52:0	0.700	954.000	110.00	10.000
12	4:55:0	0.750	959.000	110.00	5.000
13	4:58:0	0.800	965.000	110.00	6.000
14	5:1:0	0.850	968.000	110.00	3.000
15	5:4:0	0.900	970.000	110.00	2.000
16	5:7:0	0.950	971.000	110.00	1.000
17	5:10:0	1.000	972.000	110.00	1.000
18	5:13:0	1.050	973.000	110.00	1.000
19	5:16:0	1.100	974.000	110.00	1.000
20	5:19:0	1.150	975.000	110.00	1.000
21	5:22:0	1.200	976.000	110.00	1.000
22	5:25:0	1.250	976.000	110.00	0.000
23	5:28:0	1.300	976.000	110.00	0.000
24	5:31:0	1.350	976.000	110.00	0.000
25	5:34:0	1.400	976.000	110.00	0.000
26	5:37:0	1.450	976.000	110.00	0.000
27	5:40:0	1.500	976.000	110.00	0.000
28	5:41:0	1.517	203.000	110.00	-773.000
29	5:44:59	1.583	203.000	110.00	0.000
30	5:50:0	1.667	207.000	110.00	4.000
31	5:55:0	1.750	219.000	110.00	12.000
32	5:59:59	1.833	238.000	110.00	19.000
33	6:5:0	1.917	254.000	110.00	16.000
34	6:10:0	2.000	272.000	110.00	18.000
35	6:14:59	2.083	290.000	110.00	18.000
36	6:20:0	2.167	309.000	110.00	19.000
37	6:25:0	2.250	327.000	110.00	18.000
38	6:29:59	2.333	343.000	110.00	16.000
39	6:35:0	2.417	359.000	110.00	16.000
40	6:40:0	2.500	375.000	110.00	16.000
41	6:43:0	2.550	915.000	110.00	540.000
42	6:46:0	2.600	937.000	110.00	22.000
43	6:49:0	2.650	946.000	110.00	9.000
44	6:52:0	2.700	950.000	110.00	4.000
45	6:55:0	2.750	956.000	110.00	6.000
46	6:58:0	2.800	960.000	110.00	4.000
47	7:1:0	2.850	962.000	110.00	2.000
48	7:4:0	2.900	963.000	110.00	1.000
49	7:7:0	2.950	964.000	110.00	1.000
50	7:10:0	3.000	965.000	110.00	1.000
51	7:13:0	3.050	966.000	110.00	1.000
52	7:16:0	3.100	967.000	110.00	1.000

COMPANY : SOURCE PETROLEUM & JAY BOY OIL CO. INC.

FIELD : GAEDDERT

WELL : #A-1

JOB # : 11939

GAUGE # : 10270

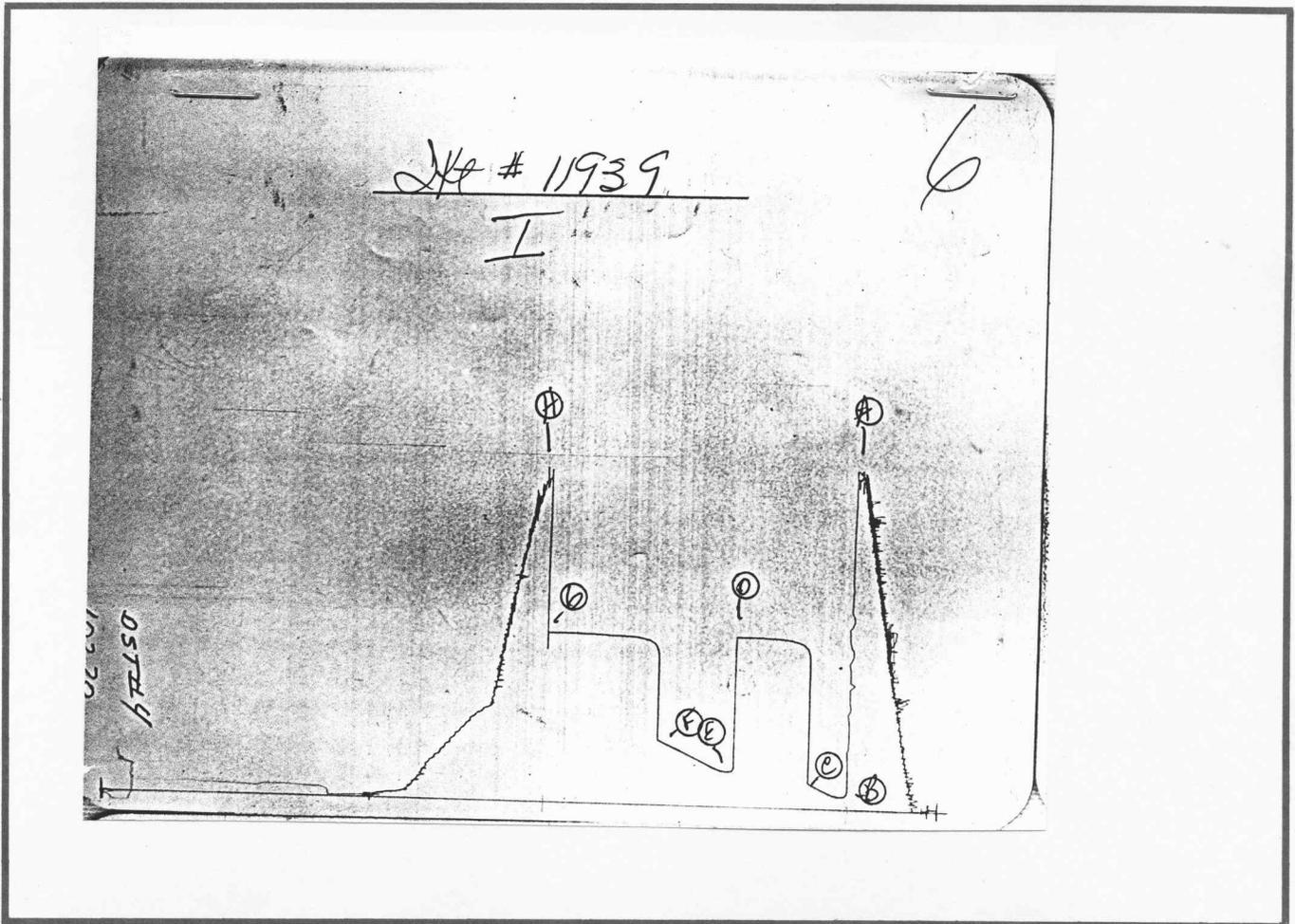
DEPTH : 3732

DATE : 26/ 9/87

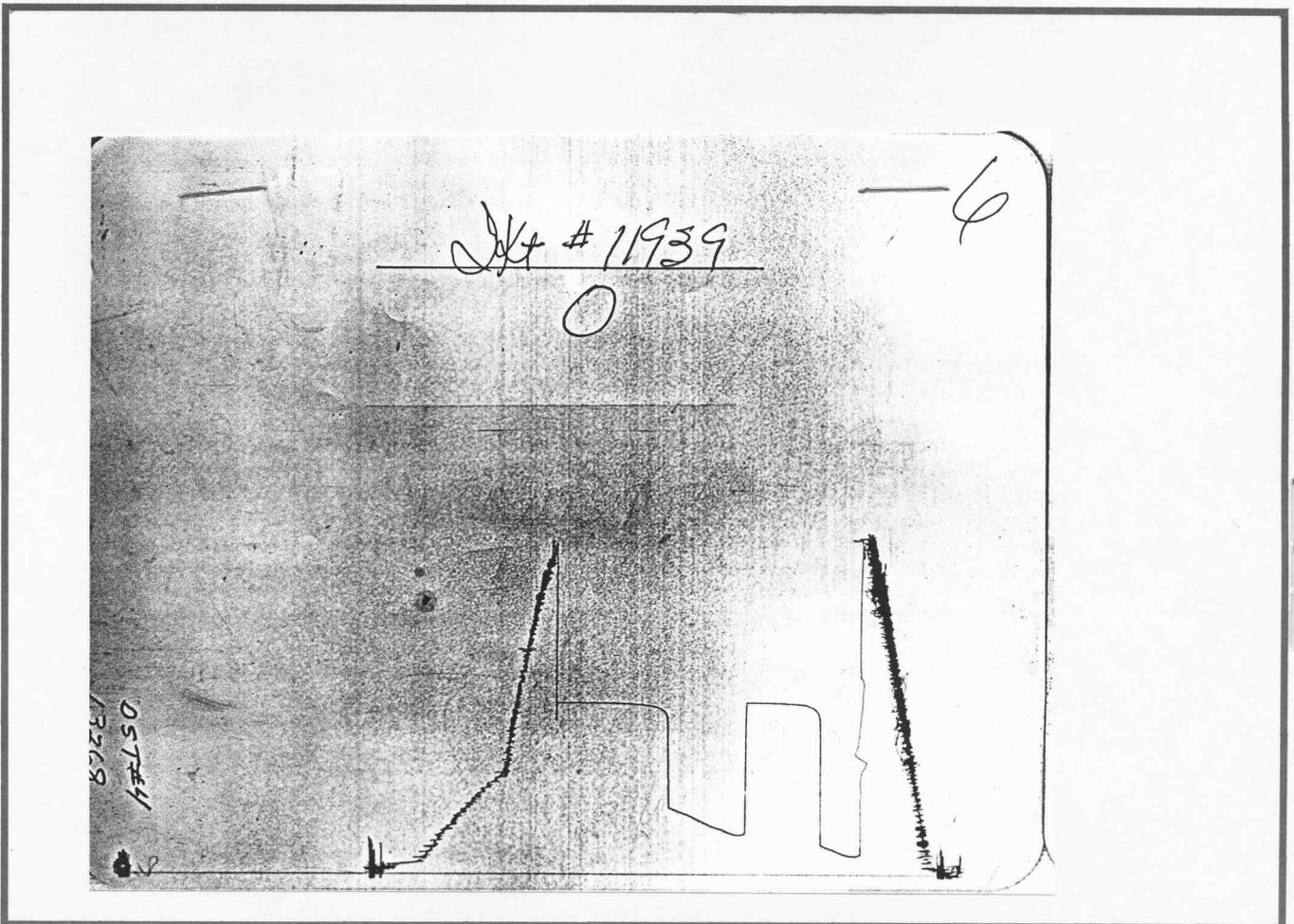
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	7:19: 0	3.150	968.000	110.00	1.000
54	7:22: 0	3.200	969.000	110.00	1.000
55	7:25: 0	3.250	969.000	110.00	0.000
56	7:28: 0	3.300	970.000	110.00	1.000
57	7:31: 0	3.350	970.000	110.00	0.000
58	7:34: 0	3.400	971.000	110.00	1.000
59	7:37: 0	3.450	971.000	110.00	0.000
60	7:40: 0	3.500	972.000	110.00	1.000
61	7:43: 0	3.550	972.000	110.00	0.000
62	7:46: 0	3.600	972.000	110.00	0.000
63	7:49: 0	3.650	972.000	110.00	0.000
64	7:52: 0	3.700	972.000	110.00	0.000
65	7:55: 0	3.750	972.000	110.00	0.000
66	7:58: 0	3.800	972.000	110.00	0.000
67	8: 1: 0	3.850	972.000	110.00	0.000
68	8: 4: 0	3.900	972.000	110.00	0.000
69	8: 7: 0	3.950	972.000	110.00	0.000

WESTERN TESTING CO. INC.

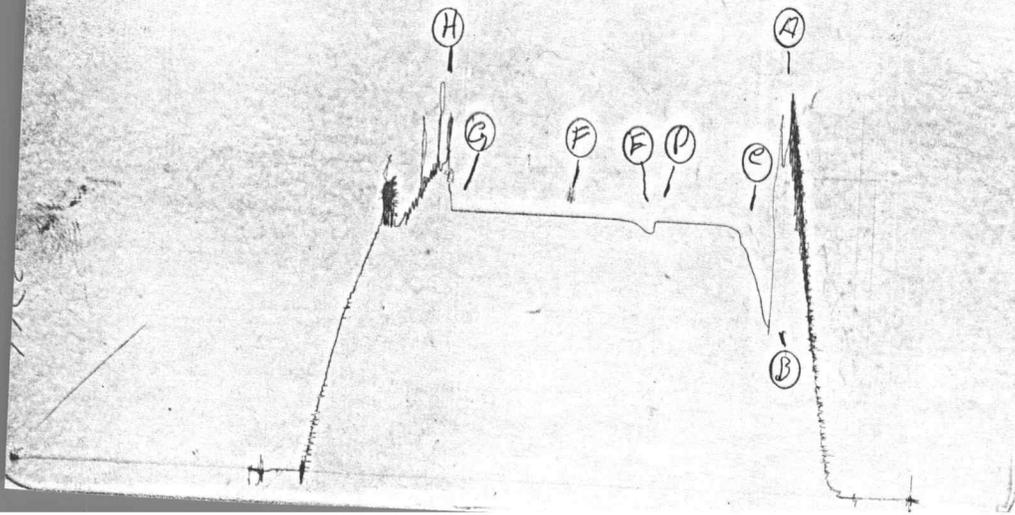


Inside Recorder

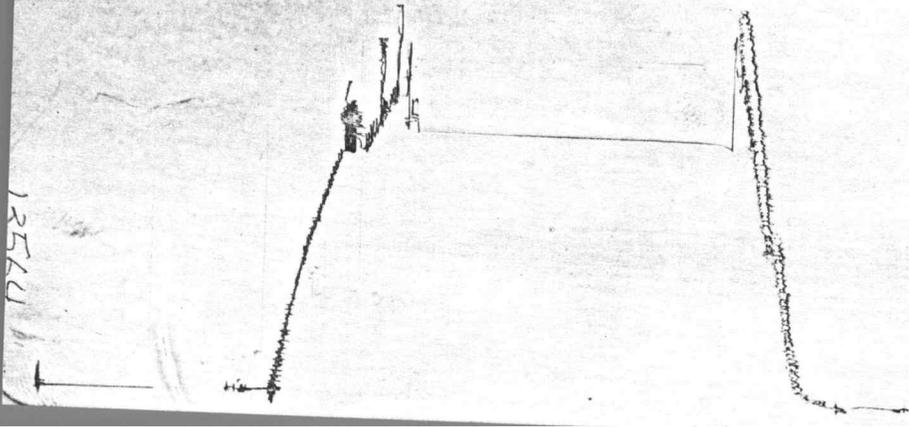


Outside Recorder

DST #5 TK # 860



Below STRADDLE



13564



Ricketts Testing

Company Source Petroleum Lease & Well No. Gaeddert #A-1
 Elevation 1477 K.B. Formation Arbuckle Effective Pay _____ ft. Ticket No. 860
 Date 9-28-87 Sec. 21 Twp. 22 Range 3W County Harvey State Kansas
 Test Approved by Phil Hargis Ricketts Representative Dan Delaney

Formation Test No. 5 Interval Tested from 3794 ft. to 3814 ft. Total Depth 3878 ft.
 Packer Depth 3794 ft. Size 6 3/4 in. Packer Depth 3791 ft. Size 6 3/4 in.
 Packer Depth 3814 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3799 ft. Recorder Number 13765 Cap. 4150
 Bottom Recorder Depth (Outside) 3802 ft. Recorder Number 13766 Cap. 4275
 Below Straddle Recorder Depth 3875 ft. Recorder Number 13564 Cap. 4475

Drilling Contractor Allen Drilling #3 Drill Collar Length _____ I.D. _____ in.
 Mud Type Chemical Viscosity 55 Weight Pipe Length _____ I.D. _____ in.
 Weight 9.5 Water Loss 11.0 cc. Drill Pipe Length 3774 I.D. 3.25 in.
 Chlorides 2,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.
 Jars: Make Dowing Serial Number 404 Anchor Length 64'w/20'tailpipe ft. Size 5 1/2 in.
 Did Well Flow? No Reversed Out Yes Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 in.

Blow: Strong blow throughout Initial Flow Period.
Weak blow Final Flow Period.

Recovered 420 ft. of Watery mud.
 Recovered 2904 ft. of Salt water.
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: DST Fluid Chlorides 33,000 PPM.

Time Set Packer (s) 9:15 ^{A.M.}~~XPM.~~ Time Started Off Bottom 1:15 ^{XXX.}~~P.M.~~ Maximum Temperature 122°
 Initial Hydrostatic Pressure (A) 1715 P.S.I.
 Initial Flow Period Minutes 25 (B) 914 P.S.I. to
 (C) 1331 P.S.I.
 Initial Closed In Period Minutes 63 (D) 1475 P.S.I.
 Final Flow Period Minutes 60 (E) 1411 P.S.I. to
 (F) 1481 P.S.I.
 Final Closed In Period Minutes 90 (G) 1481 P.S.I.
 Final Hydrostatic Pressure (H) 1735 P.S.I.

RICKETTS TESTING

Pressure Data

Date 9-28-87 Test Ticket No. 860
 Recorder No. 13766 Capacity 4275 Location 3802 Ft.
 Clock No. _____ Elevation 1477 K.B. Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1715</u> P.S.I.	Open Tool	<u>9:15</u> A	_____ M
B First Initial Flow Pressure	<u>914</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>25</u> Mins.
C First Final Flow Pressure	<u>1331</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>63</u> Mins.
D Initial Closed-in Pressure	<u>1475</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>1411</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>1481</u> P.S.I.			
G Final Closed-in Pressure	<u>1481</u> P.S.I.			
H Final Hydrostatic Mud	<u>1735</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>5</u> Inc. of <u>5</u> mins. and a final inc. of _____ Min.	Initial Shut-In Breakdown: <u>21</u> Inc. of <u>3</u> mins. and a final inc. of _____ Min.	Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of _____ Min.	Final Shut-In Breakdown: <u>30</u> Inc. of <u>3</u> mins. and a final inc. of _____ Min.
---	--	---	--

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	914	0	1331	0	1411	0	1481
P 2 5	1054	3	1428	5	1416	3	1481
P 3 10	1119	6	1455	10	1439	6	1481
P 4 15	1225	9	1465	15	1462	9	1481
P 5 20	1331	12	1468	20	1470	12	1481
P 6 25	1331	15	1470	25	1475	15	1481
P 7 30		18	1471	30	1478	18	1481
P 8 35		21	1472	35	1480	21	1481
P 9 40		24	1473	40	1481	24	1481
P10 45		27	1474	45	1481	27	1481
P11 50		30	1475	50	1481	30	1481
P12 55		33	1475	55	1481	33	1481
P13 60		36	1475	60	1481	36	1481
P14 65		39	1475	65		39	1481
P15 70		42	1475	70		42	1481
P16 75		45	1475	75		45	1481
P17 80		48	1475	80		48	1481
P18 85		51	1475	85		51	1481
P19 90		54	1475	90		54	1481
P20 95		57	1475			57	1481
		60	1475			60	1481
		63	1475				

cont'd

