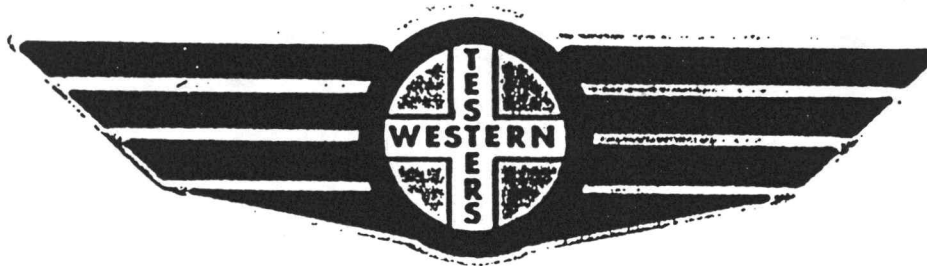


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	3-9-88	TICKET	:	13891	
CUSTOMER	:	JAY BOY OIL CO. INC.	LEASE	:	RODGERS	
WELL	:	#1	TEST:	:	1	
ELEVATION	:	1513 GL	GEOLOGIST	:	S. DAVIS	
SECTION	:	23	FORMATION	:	MISSISSIPPI	
RANGE	:	1W	TOWNSHIP	:	21S	
Gauge SN#	:	13549	STATE	:	KANSAS	
		COUNTY :	MCPHERSON	CLOCK	:	12
		RANGE :	4100			

INTERVAL FROM	:	2920	TO	:	2973	TOTAL DEPTH	:	2973
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	2915	SIZE	:	6.63			
PACKER DEPTH	:	2920	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	ALLEN RIG 4			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	39
WEIGHT	:	9.2	WATER LOSS (CC)	:	8.8
CHLORIDES (PPM)	:	1000			
JARS-MAKE	:	-	SERIAL NUMBER	:	-
DID WELL FLOW ?	:	-	REVERSED OUT ?	:	-

DRILL COLLAR LENGTH	:	30	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	2870	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	53	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 IN 7 INCHES.
BLOW COMMENT #2 : FINAL FLOW-WEAK BLOW-BUILDING IN 10 INCHES.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 120 FT OF: VERY SLIGHTLY OIL CUT MUD
2% OIL-98% MUD

Total Barrels Fluid = 1.41
Total Fluid Prod Rate = 27.07 BFPD
Indicated Oil Rate = 0.54 BOPD
Indicated Wtr Rate = 2.26 BWPD

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

SET PACKER(S) : 1:30 AM

TIME STARTED OFF BOTTOM : 5:15 AM

WELL TEMPERATURE : 104

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 30

INITIAL CLOSED IN PERIOD MIN: 60

FINAL FLOW PERIOD MIN: 45

FINAL CLOSED IN PERIOD MIN: 90

FINAL HYDROSTATIC PRESSURE

(A) 1438

(B) 68 PSI TO (C) : 68

(D) 303

(E) 84 PSI TO (F) : 84

(G) 184

(H) 1374

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : JAY BOY OIL CO. INC.
RIG : MCPHERSON-KANSAS
FIELD : RODGERS
WELL : #1
DATE : 3-9-88
GAUGE NO : 13549

OPERATIONAL COMMENTS

COMPANY : JAY BOY OIL CO. INC.
WELL : #1
GAUGE # : 13549
DATE : 9/ 3/88

FIELD : RODGERS
JOB # : 13891
DEPTH : 2973
TEST :

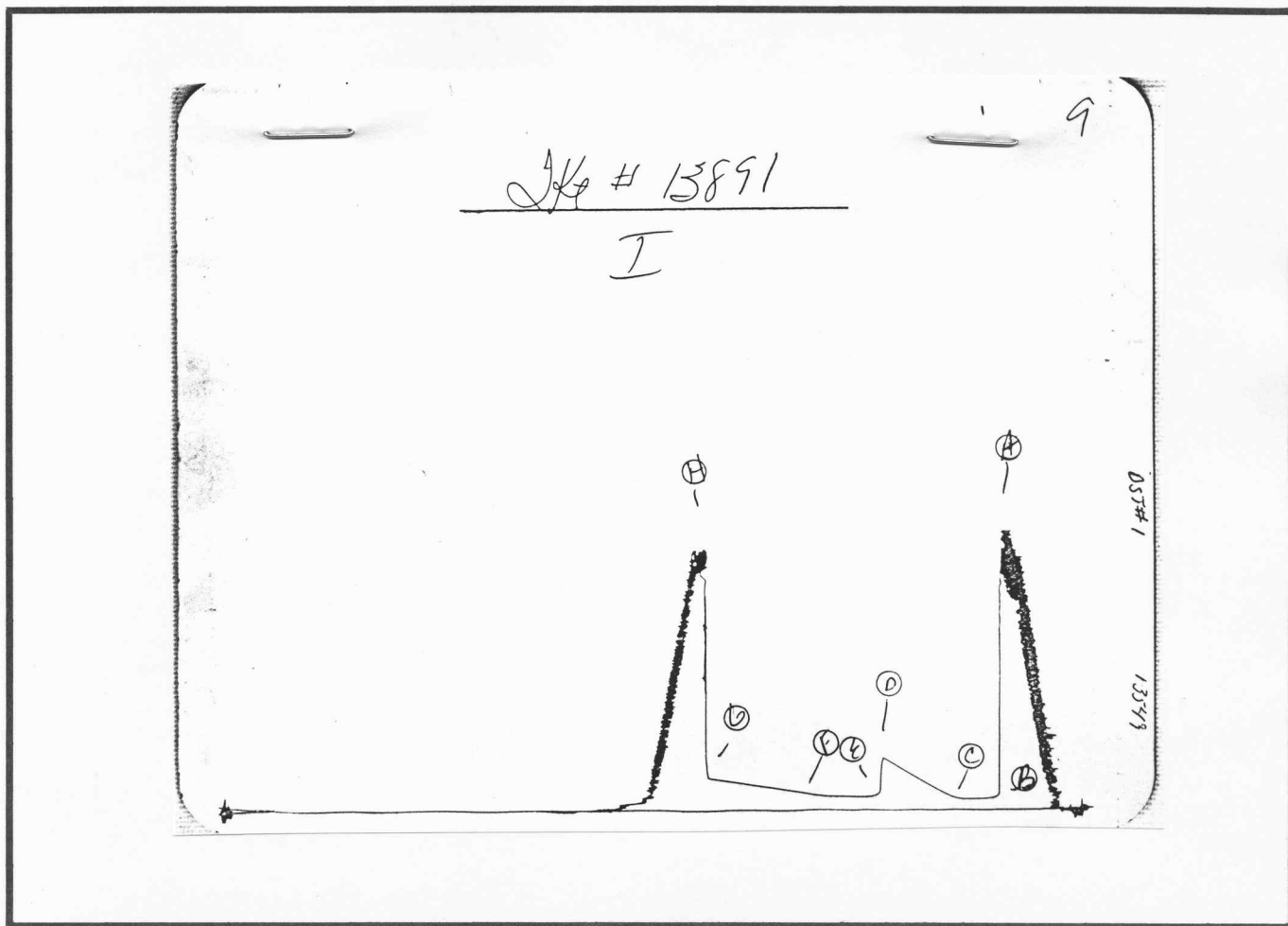
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	1:30: 0	0.000	68.000	104.00	0.000
2	1:34:59	0.083	68.000	104.00	0.000
3	1:40: 0	0.167	68.000	104.00	0.000
4	1:45: 0	0.250	68.000	104.00	0.000
5	1:49:59	0.333	68.000	104.00	0.000
6	1:55: 0	0.417	68.000	104.00	0.000
7	2: 0: 0	0.500	68.000	104.00	0.000
8	2: 3: 0	0.550	74.000	104.00	6.000
9	2: 6: 0	0.600	79.000	104.00	5.000
10	2: 9: 0	0.650	88.000	104.00	9.000
11	2:12: 0	0.700	97.000	104.00	9.000
12	2:15: 0	0.750	107.000	104.00	10.000
13	2:18: 0	0.800	122.000	104.00	15.000
14	2:21: 0	0.850	134.000	104.00	12.000
15	2:24: 0	0.900	143.000	104.00	9.000
16	2:27: 0	0.950	157.000	104.00	14.000
17	2:30: 0	1.000	170.000	104.00	13.000
18	2:33: 0	1.050	185.000	104.00	15.000
19	2:36: 0	1.100	196.000	104.00	11.000
20	2:39: 0	1.150	210.000	104.00	14.000
21	2:42: 0	1.200	223.000	104.00	13.000
22	2:45: 0	1.250	234.000	104.00	11.000
23	2:48: 0	1.300	248.000	104.00	14.000
24	2:51: 0	1.350	263.000	104.00	15.000
25	2:54: 0	1.400	274.000	104.00	11.000
26	2:57: 0	1.450	287.000	104.00	13.000
27	3: 0: 0	1.500	303.000	104.00	16.000
28	3: 1: 0	1.517	84.000	104.00	-219.000
29	3: 4:59	1.583	84.000	104.00	0.000
30	3:10: 0	1.667	84.000	104.00	0.000
31	3:15: 0	1.750	84.000	104.00	0.000
32	3:19:59	1.833	84.000	104.00	0.000
33	3:25: 0	1.917	84.000	104.00	0.000
34	3:30: 0	2.000	84.000	104.00	0.000
35	3:34:59	2.083	84.000	104.00	0.000
36	3:40: 0	2.167	84.000	104.00	0.000
37	3:45: 0	2.250	84.000	104.00	0.000
38	3:48: 0	2.300	90.000	104.00	6.000
39	3:51: 0	2.350	94.000	104.00	4.000
40	3:54: 0	2.400	97.000	104.00	3.000
41	3:57: 0	2.450	101.000	104.00	4.000
42	4: 0: 0	2.500	105.000	104.00	4.000
43	4: 3: 0	2.550	108.000	104.00	3.000
44	4: 6: 0	2.600	112.000	104.00	4.000
45	4: 9: 0	2.650	115.000	104.00	3.000
46	4:12: 0	2.700	118.000	104.00	3.000
47	4:15: 0	2.750	122.000	104.00	4.000
48	4:18: 0	2.800	127.000	104.00	5.000
49	4:21: 0	2.850	129.000	104.00	2.000
50	4:24: 0	2.900	131.000	104.00	2.000
51	4:27: 0	2.950	134.000	104.00	3.000
52	4:30: 0	3.000	138.000	104.00	4.000

COMPANY : JAY BOY OIL CO. INC.
WELL : #1
GAUGE # : 13549
DATE : 9/ 3/88

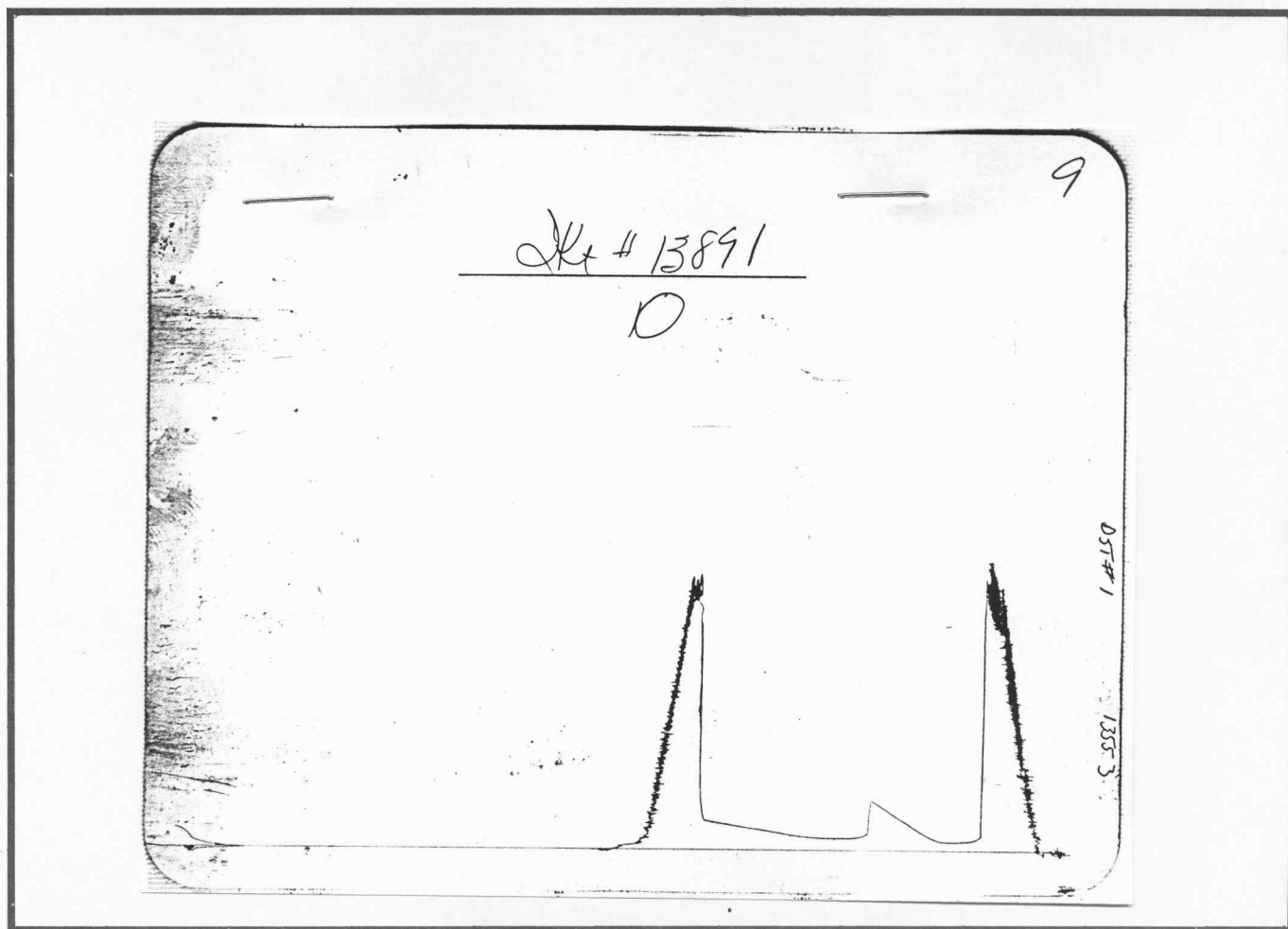
FIELD : RODGERS
JOB # : 13891
DEPTH : 2973
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	4:33: 0	3.050	141.000	104.00	3.000
54	4:36: 0	3.100	144.000	104.00	3.000
55	4:39: 0	3.150	147.000	104.00	3.000
56	4:42: 0	3.200	151.000	104.00	4.000
57	4:45: 0	3.250	153.000	104.00	2.000
58	4:48: 0	3.300	157.000	104.00	4.000
59	4:51: 0	3.350	162.000	104.00	5.000
60	4:54: 0	3.400	166.000	104.00	4.000
61	4:57: 0	3.450	168.000	104.00	2.000
62	5: 0: 0	3.500	172.000	104.00	4.000
63	5: 3: 0	3.550	174.000	104.00	2.000
64	5: 6: 0	3.600	177.000	104.00	3.000
65	5: 9: 0	3.650	180.000	104.00	3.000
66	5:12: 0	3.700	182.000	104.00	2.000
67	5:15: 0	3.750	184.000	104.00	2.000

WESTERN TESTING CO. INC.

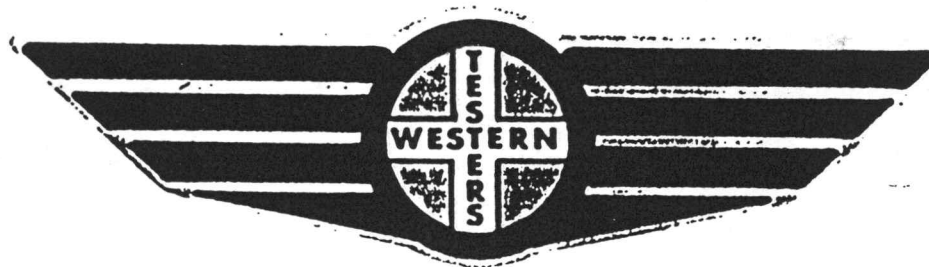


Inside Recorder



Outside Recorder

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY JAY BOY OIL COMPANY INC. LEASE & WELL NO. RODGERS #1 SEC. 23 TWP. 21S RGE. 1W TEST NO. 2 DATE 3-10-88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	3-10-88	TICKET	:	13892	
CUSTOMER	:	JAY BOY OIL CO. INC.	LEASE	:	RODGERS	
WELL	:	#1	TEST:	:	2	
ELEVATION	:	1513 GL	GEOLOGIST	:	S. DAVIS	
SECTION	:	23	FORMATION	:		
RANGE	:	1W	TOWNSHIP	:	21S	
GAUGE SN#	:	13549	STATE	:	KANSAS	
		COUNTY :	MCPHERSON	CLOCK	:	12
		RANGE :	4100			

INTERVAL FROM	:	3367	TO	:	3379	TOTAL DEPTH	:	3379
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3362	SIZE	:	6.63			
PACKER DEPTH	:	3367	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	ALLEN RIG 4			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	42
WEIGHT	:	9.1	WATER LOSS (CC)	:	9.2
CHLORIDES (PPM)	:	2000			
JARS-MAKE	:	-	SERIAL NUMBER	:	-
DID WELL FLOW ?	:	-	REVERSED OUT ?	:	-

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3347	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	12	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-DIED IN 7 MINUTES.
BLOW COMMENT #2 :
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 10 FT OF: MUD / WITH TRACE OF OIL

Total Barrels Fluid = 0.14
Total Fluid Prod Rate = 3.67 BFPD
Indicated Wtr Rate = 0.37 BWPD

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

SET PACKER(S) : 2:00 PM

TIME STARTED OFF BOTTOM : 4:00 PM

WELL TEMPERATURE : 106

INITIAL HYDROSTATIC PRESSURE

(A) 1674

INITIAL FLOW PERIOD MIN: 25

(B) 38 PSI TO (C) : 38

INITIAL CLOSED IN PERIOD MIN: 30

(D) 895

FINAL FLOW PERIOD MIN: 30

(E) 40 PSI TO (F) : 40

FINAL CLOSED IN PERIOD MIN: 30

(G) 890

FINAL HYDROSTATIC PRESSURE

(H) 1613

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : JAY BOY OIL CO. INC.
RIG : MCPHERSON-KANSAS
FIELD : RODGERS
WELL : #1
DATE : 3-10-88
GAUGE NO : 13549

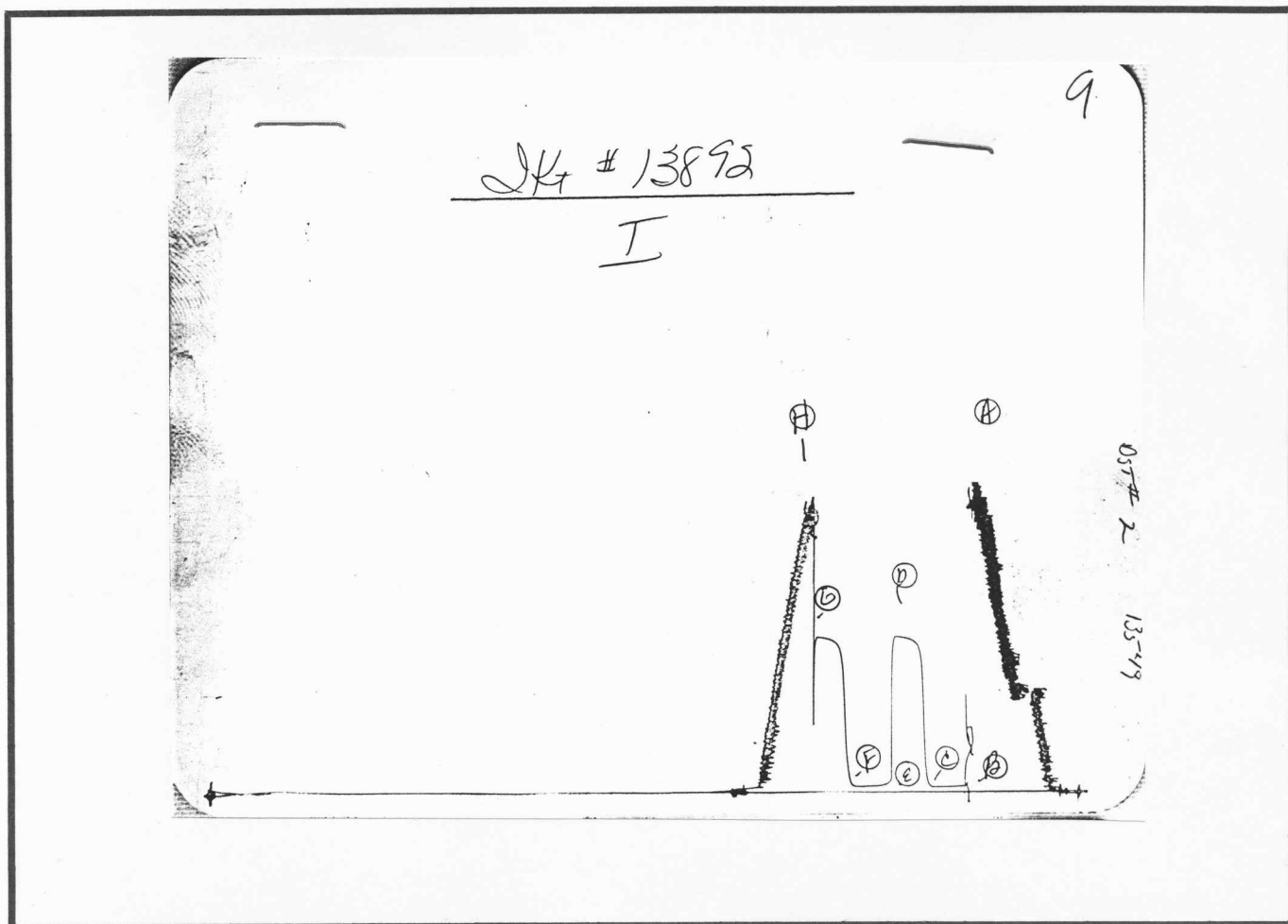
OPERATIONAL COMMENTS

COMPANY : JAY BOY OIL CO. INC.
WELL : #1
GAUGE # : 13549
DATE : 10/ 3/88

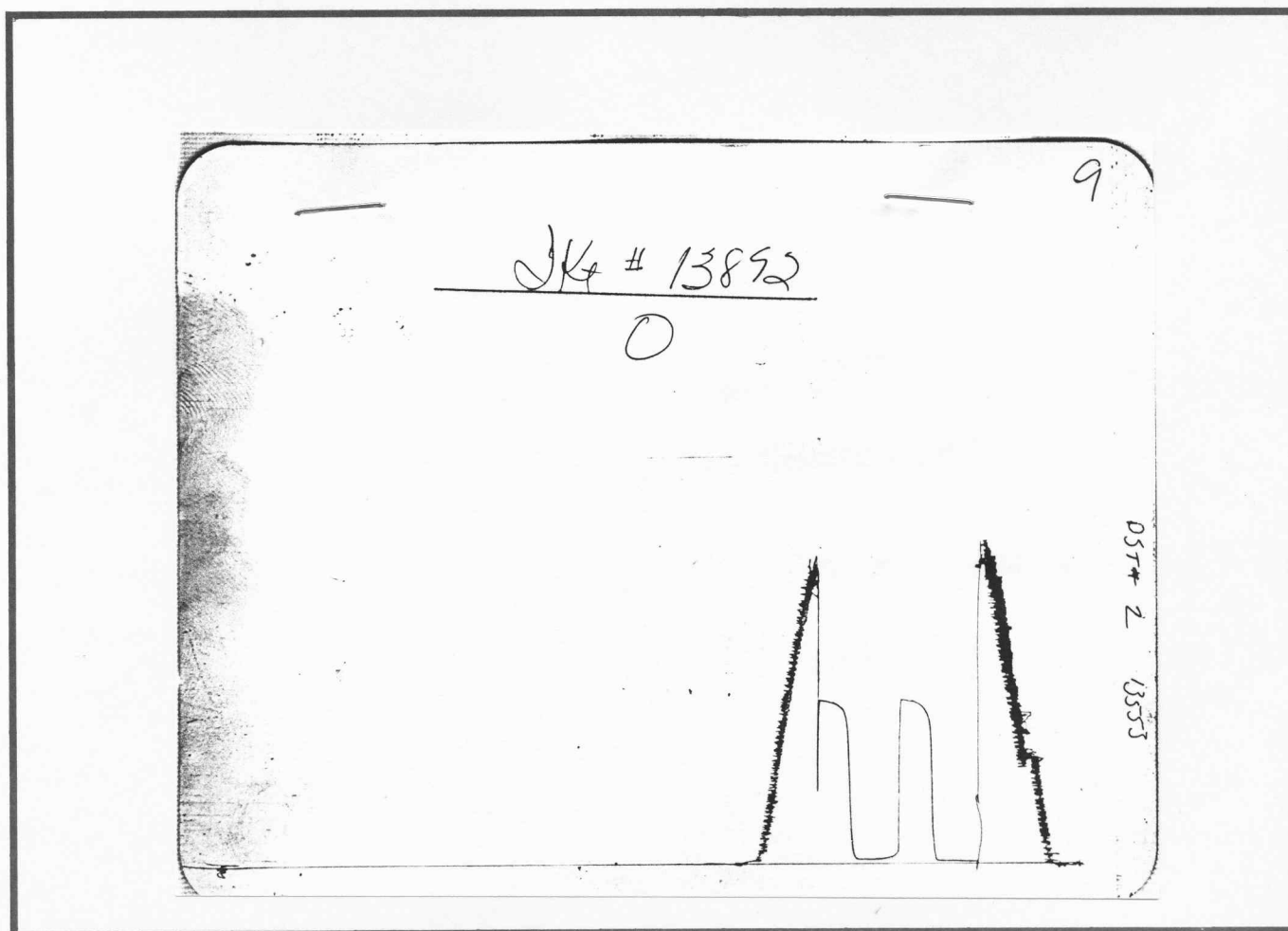
FIELD : RODGERS
JOB # : 13892
DEPTH : 3379
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	2: 0: 0	0.000	38.000	106.00	0.000
2	2: 4: 59	0.083	38.000	106.00	0.000
3	2:10: 0	0.167	38.000	106.00	0.000
4	2:15: 0	0.250	38.000	106.00	0.000
5	2:19:59	0.333	38.000	106.00	0.000
6	2:25: 0	0.417	38.000	106.00	0.000
7	2:28: 0	0.467	66.000	106.00	28.000
8	2:31: 0	0.517	396.000	106.00	330.000
9	2:34: 0	0.567	776.000	106.00	380.000
10	2:37: 0	0.617	850.000	106.00	74.000
11	2:40: 0	0.667	871.000	106.00	21.000
12	2:43: 0	0.717	881.000	106.00	10.000
13	2:46: 0	0.767	888.000	106.00	7.000
14	2:49: 0	0.817	891.000	106.00	3.000
15	2:52: 0	0.867	893.000	106.00	2.000
16	2:55: 0	0.917	895.000	106.00	2.000
17	2:56: 0	0.933	40.000	106.00	-855.000
18	3: 0: 0	1.000	40.000	106.00	0.000
19	3: 5: 0	1.083	40.000	106.00	0.000
20	3:10: 0	1.167	40.000	106.00	0.000
21	3:15: 0	1.250	40.000	106.00	0.000
22	3:20: 0	1.333	40.000	106.00	0.000
23	3:25: 0	1.417	40.000	106.00	0.000
24	3:28: 0	1.467	64.000	106.00	24.000
25	3:31: 0	1.517	227.000	106.00	163.000
26	3:34: 0	1.567	668.000	106.00	441.000
27	3:37: 0	1.617	813.000	106.00	145.000
28	3:40: 0	1.667	856.000	106.00	43.000
29	3:43: 0	1.717	872.000	106.00	16.000
30	3:46: 0	1.767	880.000	106.00	8.000
31	3:49: 0	1.817	885.000	106.00	5.000
32	3:52: 0	1.867	888.000	106.00	3.000
33	3:55: 0	1.917	890.000	106.00	2.000

WESTERN TESTING CO. INC.

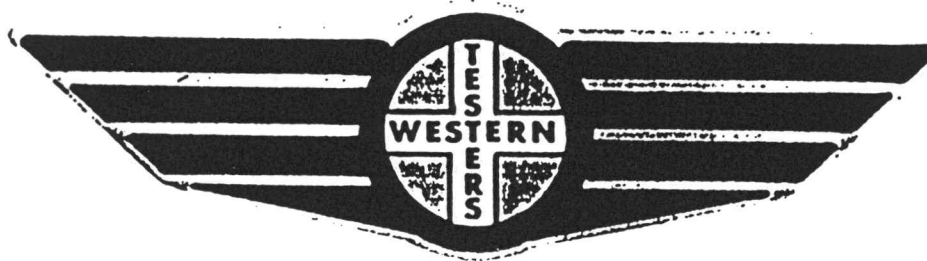


Inside Recorder



Outside Recorder

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY JAY BOY OIL COMPANY INC. LEASE & WELL NO. RODGERS #1 SEC. 23 TWP. 21S RGE. 1W TEST NO. 3 DATE 3-10-88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	3-10-88	TICKET	:	13893	
CUSTOMER	:	JAY BOY OIL CO. INC.	LEASE	:	RODGERS	
WELL	:	#1	TEST:	:	3	
ELEVATION	:	1513 GL	GEOLOGIST	:	S. DAVIS	
SECTION	:	23	FORMATION	:	HUNTON	
RANGE	:	1W	TOWNSHIP	:	21S	
GAUGE SN#	:	13549	STATE	:	KANSAS	
		COUNTY :	MCPHERSON			
		RANGE :	4100	CLOCK	:	12

INTERVAL FROM	:	3383	TO	:	3395	TOTAL DEPTH	:	3395
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3378	SIZE	:	6.63			
PACKER DEPTH	:	3383	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	ALLEN RIG 4			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	47
WEIGHT	:	9.3	WATER LOSS (CC)	:	7.2
CHLORIDES (PPM)	:	2000			
JARS-MAKE	:	-	SERIAL NUMBER	:	-
DID WELL FLOW ?	:	-	REVERSED OUT ?	:	-

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3363	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	12	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 IN 7 INCHES.
BLOW COMMENT #2 : FINAL FLOW-WEAK BLOW BUILDING IN 3 INCHES.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 130 FT OF: MUDDY WATER
30% MUD-70% WATER
WITH TRACE OF OIL

CHLORIDES: 21000 PPM

Total Barrels Fluid = 1.82
Total Fluid Prod Rate = 29.17 BFPD
Indicated Wtr Rate = 21.99 BWPD

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

SET PACKER(S) : 12:10 AM
WELL TEMPERATURE : 108

TIME STARTED OFF BOTTOM : 4:10 AM

INITIAL HYDROSTATIC PRESSURE	(A)	1652	
INITIAL FLOW PERIOD MIN: 45	(B)	40	PSI TO (C) : 50
INITIAL CLOSED IN PERIOD MIN: 69	(D)	901	
FINAL FLOW PERIOD MIN: 45	(E)	70	PSI TO (F) : 81
FINAL CLOSED IN PERIOD MIN: 96	(G)	897	
FINAL HYDROSTATIC PRESSURE	(H)	1617	

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : JAY BOY OIL CO. INC.
RIG : MCPHERSON-KANSAS
FIELD : RODGERS
WELL : #1
DATE : 3-10-88
GAUGE NO : 13549

OPERATIONAL COMMENTS

COMPANY : JAY BOY OIL CO. INC.
WELL : #1
GAUGE # : 13549
DATE : 10/ 3/88

FIELD : RODGERS
JOB # : 13893
DEPTH : 3395
TEST :

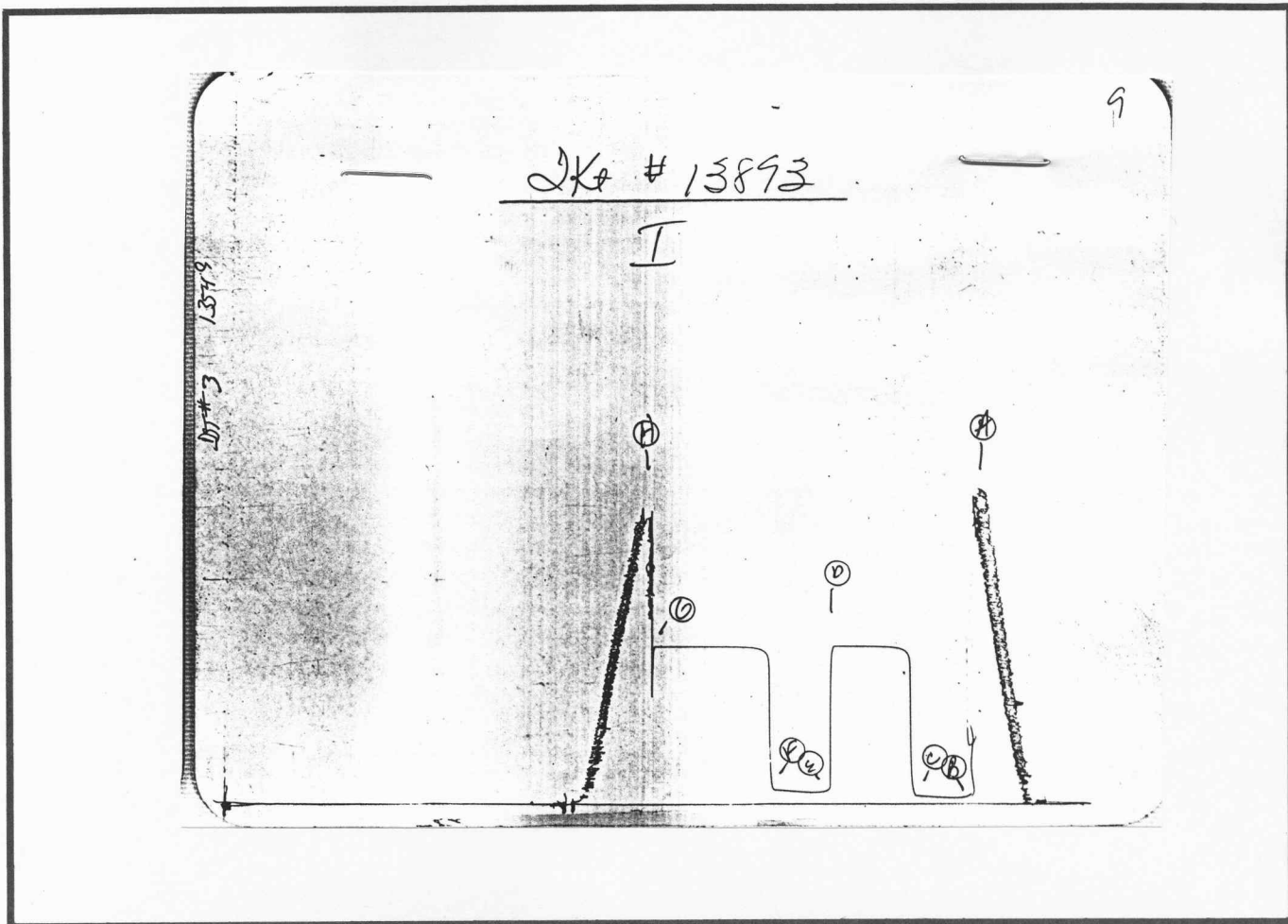
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	12:10: 0	0.000	40.000	108.00	0.000
2	12:14:59	0.083	40.000	108.00	0.000
3	12:20: 0	0.167	40.000	108.00	0.000
4	12:25: 0	0.250	40.000	108.00	0.000
5	12:29:59	0.333	40.000	108.00	0.000
6	12:35: 0	0.417	40.000	108.00	0.000
7	12:40: 0	0.500	43.000	108.00	3.000
8	12:44:59	0.583	46.000	108.00	3.000
9	12:50: 0	0.667	49.000	108.00	3.000
10	12:55: 0	0.750	50.000	108.00	1.000
11	12:58: 0	0.800	149.000	108.00	99.000
12	13: 1: 0	0.850	847.000	108.00	698.000
13	13: 4: 0	0.900	876.000	108.00	29.000
14	13: 7: 0	0.950	884.000	108.00	8.000
15	13:10: 0	1.000	891.000	108.00	7.000
16	13:13: 0	1.050	894.000	108.00	3.000
17	13:16: 0	1.100	896.000	108.00	2.000
18	13:19: 0	1.150	897.000	108.00	1.000
19	13:22: 0	1.200	898.000	108.00	1.000
20	13:25: 0	1.250	899.000	108.00	1.000
21	13:28: 0	1.300	900.000	108.00	1.000
22	13:31: 0	1.350	900.000	108.00	0.000
23	13:34: 0	1.400	900.000	108.00	0.000
24	13:37: 0	1.450	900.000	108.00	0.000
25	13:40: 0	1.500	900.000	108.00	0.000
26	13:43: 0	1.550	900.000	108.00	0.000
27	13:46: 0	1.600	901.000	108.00	1.000
28	13:49: 0	1.650	901.000	108.00	0.000
29	13:52: 0	1.700	901.000	108.00	0.000
30	13:55: 0	1.750	901.000	108.00	0.000
31	13:58: 0	1.800	901.000	108.00	0.000
32	14: 1: 0	1.850	901.000	108.00	0.000
33	14: 4: 0	1.900	901.000	108.00	0.000
34	14: 5: 0	1.917	70.000	108.00	-831.000
35	14: 8:59	1.983	70.000	108.00	0.000
36	14:14: 0	2.067	70.000	108.00	0.000
37	14:19: 0	2.150	70.000	108.00	0.000
38	14:23:59	2.233	71.000	108.00	1.000
39	14:29: 0	2.317	72.000	108.00	1.000
40	14:34: 0	2.400	74.000	108.00	2.000
41	14:38:59	2.483	77.000	108.00	3.000
42	14:44: 0	2.567	80.000	108.00	3.000
43	14:49: 0	2.650	81.000	108.00	1.000
44	14:52: 0	2.700	282.000	108.00	201.000
45	14:55: 0	2.750	838.000	108.00	556.000
46	14:58: 0	2.800	869.000	108.00	31.000
47	15: 1: 0	2.850	881.000	108.00	12.000
48	15: 4: 0	2.900	887.000	108.00	6.000
49	15: 7: 0	2.950	891.000	108.00	4.000
50	15:10: 0	3.000	892.000	108.00	1.000
51	15:13: 0	3.050	893.000	108.00	1.000
52	15:16: 0	3.100	894.000	108.00	1.000

COMPANY : JAY BOY OIL CO. INC.
WELL : #1
GAUGE # : 13549
DATE : 10/ 3/88

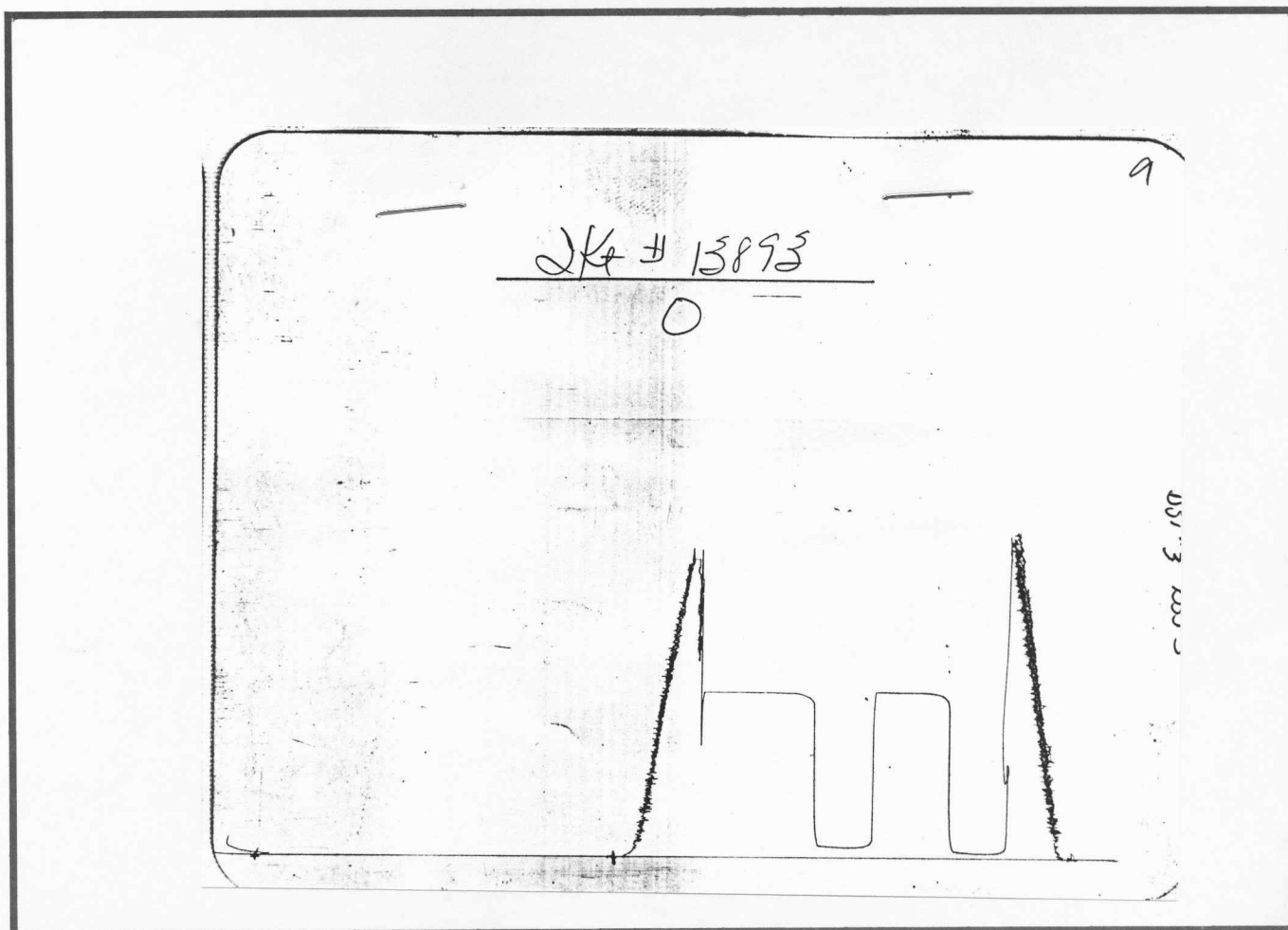
FIELD : RODGERS
JOB # : 13893
DEPTH : 3395
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	15:19: 0	3.150	895.000	108.00	1.000
54	15:22: 0	3.200	895.000	108.00	0.000
55	15:25: 0	3.250	895.000	108.00	0.000
56	15:28: 0	3.300	895.000	108.00	0.000
57	15:31: 0	3.350	895.000	108.00	0.000
58	15:34: 0	3.400	895.000	108.00	0.000
59	15:37: 0	3.450	896.000	108.00	1.000
60	15:40: 0	3.500	896.000	108.00	0.000
61	15:43: 0	3.550	896.000	108.00	0.000
62	15:46: 0	3.600	896.000	108.00	0.000
63	15:49: 0	3.650	896.000	108.00	0.000
64	15:52: 0	3.700	897.000	108.00	1.000
65	15:55: 0	3.750	897.000	108.00	0.000
66	15:58: 0	3.800	897.000	108.00	0.000
67	16: 1: 0	3.850	897.000	108.00	0.000
68	16: 4: 0	3.900	897.000	108.00	0.000
69	16: 7: 0	3.950	897.000	108.00	0.000
70	16:10: 0	4.000	897.000	108.00	0.000
71	16:13: 0	4.050	897.000	108.00	0.000
72	16:16: 0	4.100	897.000	108.00	0.000
73	16:19: 0	4.150	897.000	108.00	0.000
74	16:22: 0	4.200	897.000	108.00	0.000
75	16:25: 0	4.250	897.000	108.00	0.000

WESTERN TESTING CO. INC.

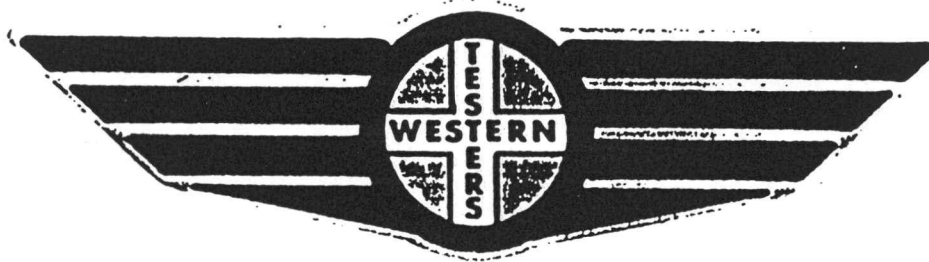


Inside Recorder



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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	: 3-11-88	TICKET	: 13894
CUSTOMER	: JAY BOY OIL CO. INC.	LEASE	: RODGERS
WELL	: #1 TEST: 4	GEOLOGIST	: S. DAVIS
ELEVATION	: 1513 GL	FORMATION	: VIOLA
SECTION	: 23	TOWNSHIP	: 21S
RANGE	: 1W	COUNTY	: MCPHERSON
GAUGE SN#	: 13549	STATE	: KANSAS
		CLOCK	: 12
		RANGE	: 4100

INTERVAL FROM : 3464 TO : 3480 TOTAL DEPTH : 3480

DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3459 SIZE : 6.63
PACKER DEPTH : 3464 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : ALLEN RIG 4
MUD TYPE : CHEMICAL VISCOSITY : 45
WEIGHT : 9.3 WATER LOSS (CC) : 8.8
CHLORIDES (PPM) : 2000
JARS-MAKE : - SERIAL NUMBER :
DID WELL FLOW ? : REVERSED OUT ? :

DRILL COLLAR LENGTH	: 0 FT	I.D. inch	: 0.00
WEIGHT PIPE LENGTH	: 0 FT	I.D. inch	: 0.00
DRILL PIPE LENGTH	: 3444 FT	I.D. inch	: 3.80
TEST TOOL LENGTH	: 20 FT	TOOL SIZE	: 5.50
ANCHOR LENGTH	: 16 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 PERIOD WEAK BLOW - DIED IN
BLOW COMMENT #2 : 6 MINUTES.
BLOW COMMENT #3 : FINAL FLOW PERIOD NO BLOW.
BLOW COMMENT #4 :

RECOVERED : 35 FT OF: MUD

Total Barrels Fluid = 0.49
Total Fluid Prod Rate = 11.78 BFPD
Indicated Wtr Rate = 1.18 BWPD

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

SET PACKER(S) : 7:35 PM

TIME STARTED OFF BOTTOM : 9:35 PM

WELL TEMPERATURE : 109

INITIAL HYDROSTATIC PRESSURE

(A) 1652

INITIAL FLOW PERIOD MIN: 30

(B) 30 PSI TO (C) : 30

INITIAL CLOSED IN PERIOD MIN: 30

(D) 1263

FINAL FLOW PERIOD MIN: 30

(E) 39 PSI TO (F) : 39

FINAL CLOSED IN PERIOD MIN: 33

(G) 1262

FINAL HYDROSTATIC PRESSURE

(H) 1644

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : JAY BOY OIL CO. INC.
RIG : MCPHERSON-KANSAS
FIELD : RODGERS
WELL : #1
DATE : 3-11-88
GAUGE NO : 13549

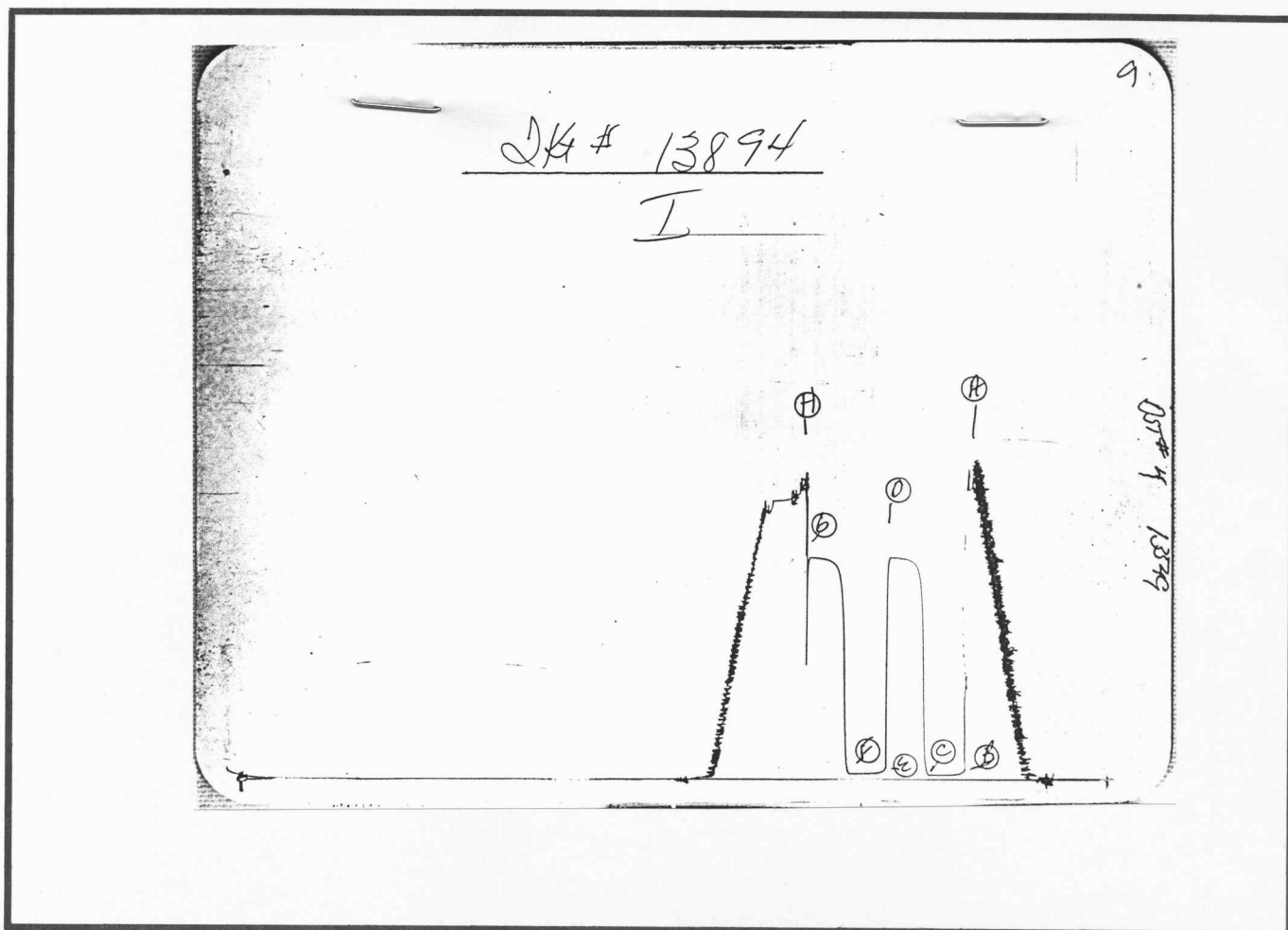
OPERATIONAL COMMENTS

COMPANY : JAY BOY OIL CO. INC.
WELL : #1
GAUGE # : 13549
DATE : 11/ 3/88

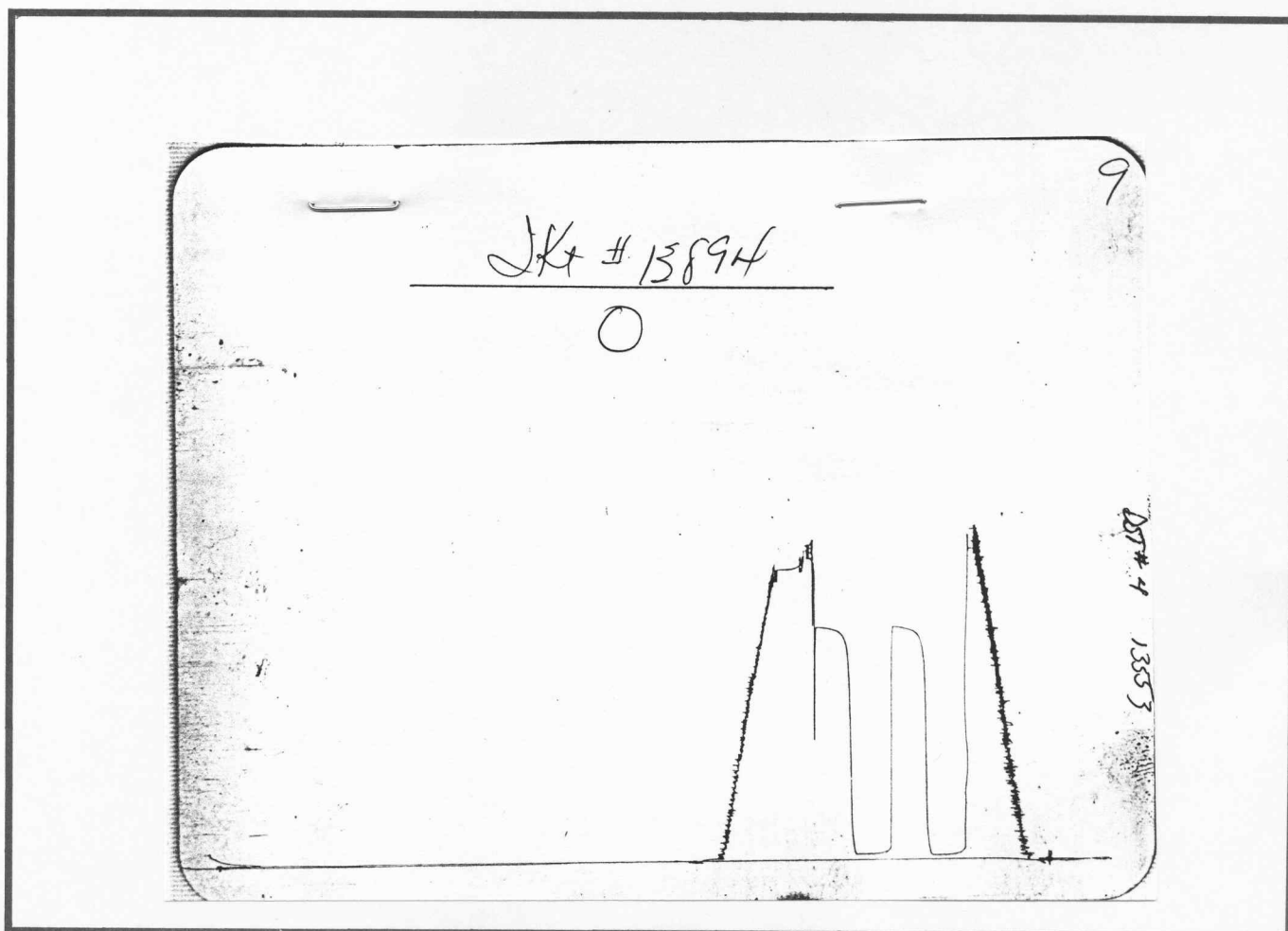
FIELD : RODGERS
JOB # : 13894
DEPTH : 3480
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	7:35: 0	0.000	30.000	109.00	0.000
2	7:39:59	0.083	30.000	109.00	0.000
3	7:45: 0	0.167	30.000	109.00	0.000
4	7:50: 0	0.250	30.000	109.00	0.000
5	7:54:59	0.333	30.000	109.00	0.000
6	8: 0: 0	0.417	30.000	109.00	0.000
7	8: 5: 0	0.500	30.000	109.00	0.000
8	8: 8: 0	0.550	518.000	109.00	488.000
9	8:11: 0	0.600	1110.000	109.00	592.000
10	8:14: 0	0.650	1204.000	109.00	94.000
11	8:17: 0	0.700	1227.000	109.00	23.000
12	8:20: 0	0.750	1243.000	109.00	16.000
13	8:23: 0	0.800	1252.000	109.00	9.000
14	8:26: 0	0.850	1256.000	109.00	4.000
15	8:29: 0	0.900	1259.000	109.00	3.000
16	8:32: 0	0.950	1261.000	109.00	2.000
17	8:35: 0	1.000	1263.000	109.00	2.000
18	8:36: 0	1.017	39.000	109.00	-1224.000
19	8:39:59	1.083	39.000	109.00	0.000
20	8:45: 0	1.167	39.000	109.00	0.000
21	8:50: 0	1.250	39.000	109.00	0.000
22	8:54:59	1.333	39.000	109.00	0.000
23	9: 0: 0	1.417	39.000	109.00	0.000
24	9: 5: 0	1.500	39.000	109.00	0.000
25	9: 8: 0	1.550	201.000	109.00	162.000
26	9:11: 0	1.600	999.000	109.00	798.000
27	9:14: 0	1.650	1162.000	109.00	163.000
28	9:17: 0	1.700	1212.000	109.00	50.000
29	9:20: 0	1.750	1234.000	109.00	22.000
30	9:23: 0	1.800	1247.000	109.00	13.000
31	9:26: 0	1.850	1253.000	109.00	6.000
32	9:29: 0	1.900	1258.000	109.00	5.000
33	9:32: 0	1.950	1260.000	109.00	2.000
34	9:35: 0	2.000	1261.000	109.00	1.000
35	9:38: 0	2.050	1262.000	109.00	1.000

WESTERN TESTING CO. INC.

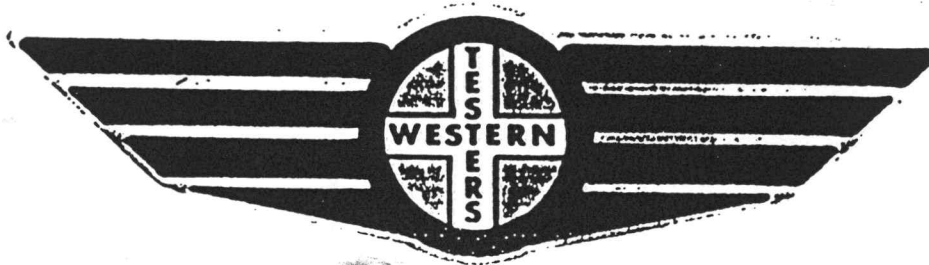


Inside Recorder



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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY JAY BOY OIL, INC. LEASE & WELL NO. RODGERS #1 SEC. 23 TWP. 21S RGE. 1W TEST NO. 5 DATE 3/12/88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 3/12/88
CUSTOMER : JAY BOY OIL INC.
WELL : 1 TEST: 5
ELEVATION : 1513 GL
SECTION : 23
RANGE : 1W COUNTY : MCPHERSON
GAUGE SN# : 13549 RANGE : 4100
TICKET : 13895
LEASE : RODGERS
GEOLOGIST : DAVIS
FORMATION : VIOLA
TOWNSHIP : 21S
STATE : KANSAS
CLOCK : 12

INTERVAL FROM : 3480 TO : 3490 TOTAL DEPTH : 3490
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3475 SIZE : 6.63
PACKER DEPTH : 3480 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : ALLEN RIG 4
MUD TYPE : CHEMICAL VISCOSITY : 49
WEIGHT : 9.5 WATER LOSS (CC) : 8.0
CHLORIDES (PPM) : 2400
JARS-MAKE :
DID WELL FLOW ? : SERIAL NUMBER :
REVERSED OUT ? :

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3460 FT I.D. inch : 3.80
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 10 FT ANCHOR SIZE : 5.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5XH

BLOW COMMENT #1 : STRONG BLOW - OFF BOTTOM OF BUCKET IN ONE
BLOW COMMENT #2 : MINUTE BOTH FLOW PERIODS.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 2800 FT OF: WATER

Total Barrels Fluid = 39.27
Total Fluid Prod Rate = 942.57 BFPD
Indicated Wtr Rate = 942.57 BWPD

REMARK 1 :
REMARK 2 : CHLORIDES 20000 PPM
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	6:10 AM	TIME STARTED OFF BOTTOM :	8:10 AM
WELL TEMPERATURE :	110		
INITIAL HYDROSTATIC PRESSURE		(A)	1714
INITIAL FLOW PERIOD MIN:	30	(B)	734 PSI TO (C) : 1230
INITIAL CLOSED IN PERIOD MIN:	30	(D)	1275
FINAL FLOW PERIOD MIN:	30	(E)	1265 PSI TO (F) : 1279
FINAL CLOSED IN PERIOD MIN:	30	(G)	1279
FINAL HYDROSTATIC PRESSURE		(H)	1710

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : JAY BOY OIL INC.
RIG : MCPHERSON-KANSAS
FIELD : RODGERS
WELL : 1
DATE : 3/12/88
GAUGE NO : 13549

OPERATIONAL COMMENTS

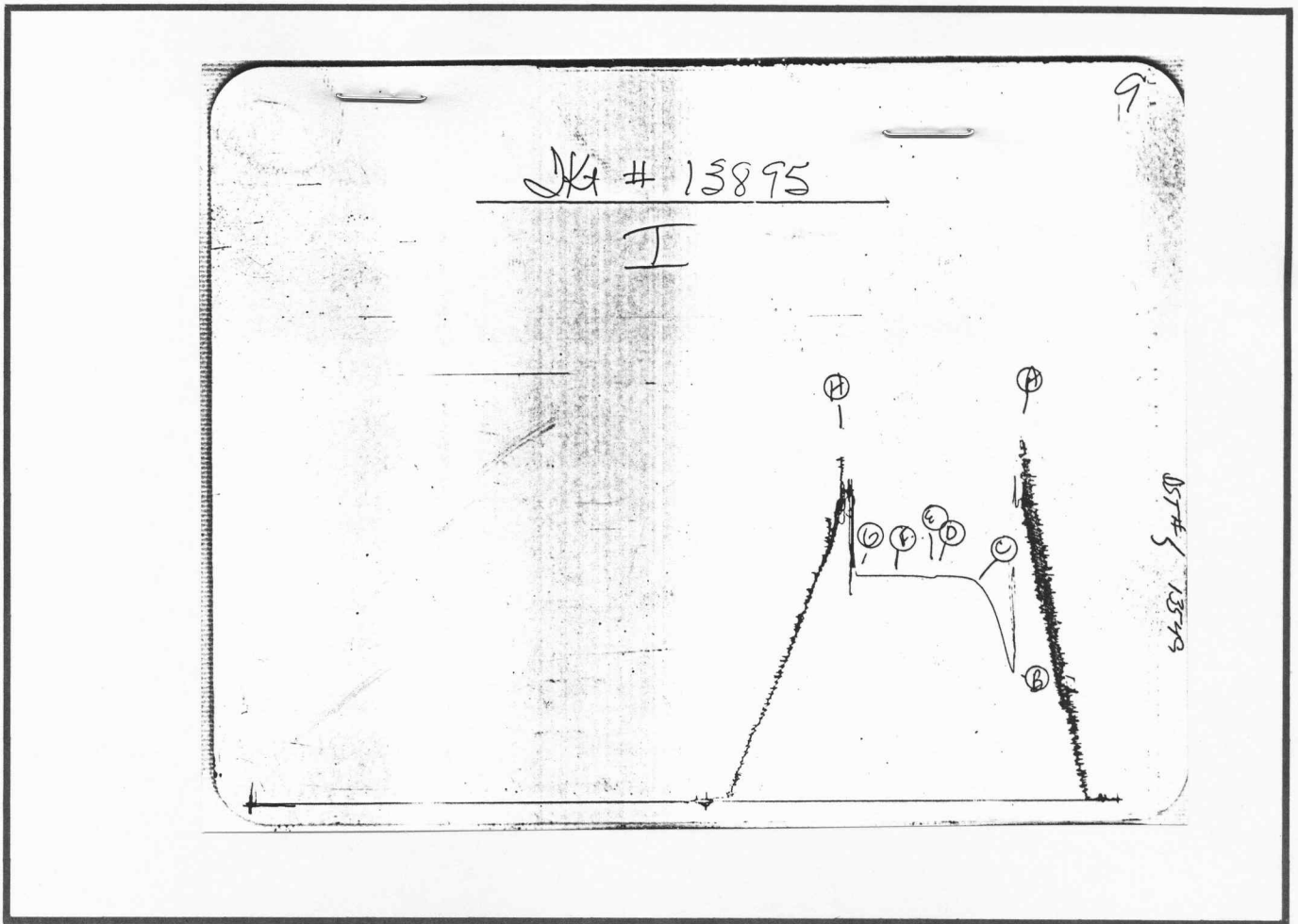
CHLORIDES 20000 PPM

COMPANY : JAY BOY OIL INC.
WELL : 1
GAUGE # : 13549
DATE : 12/ 3/88

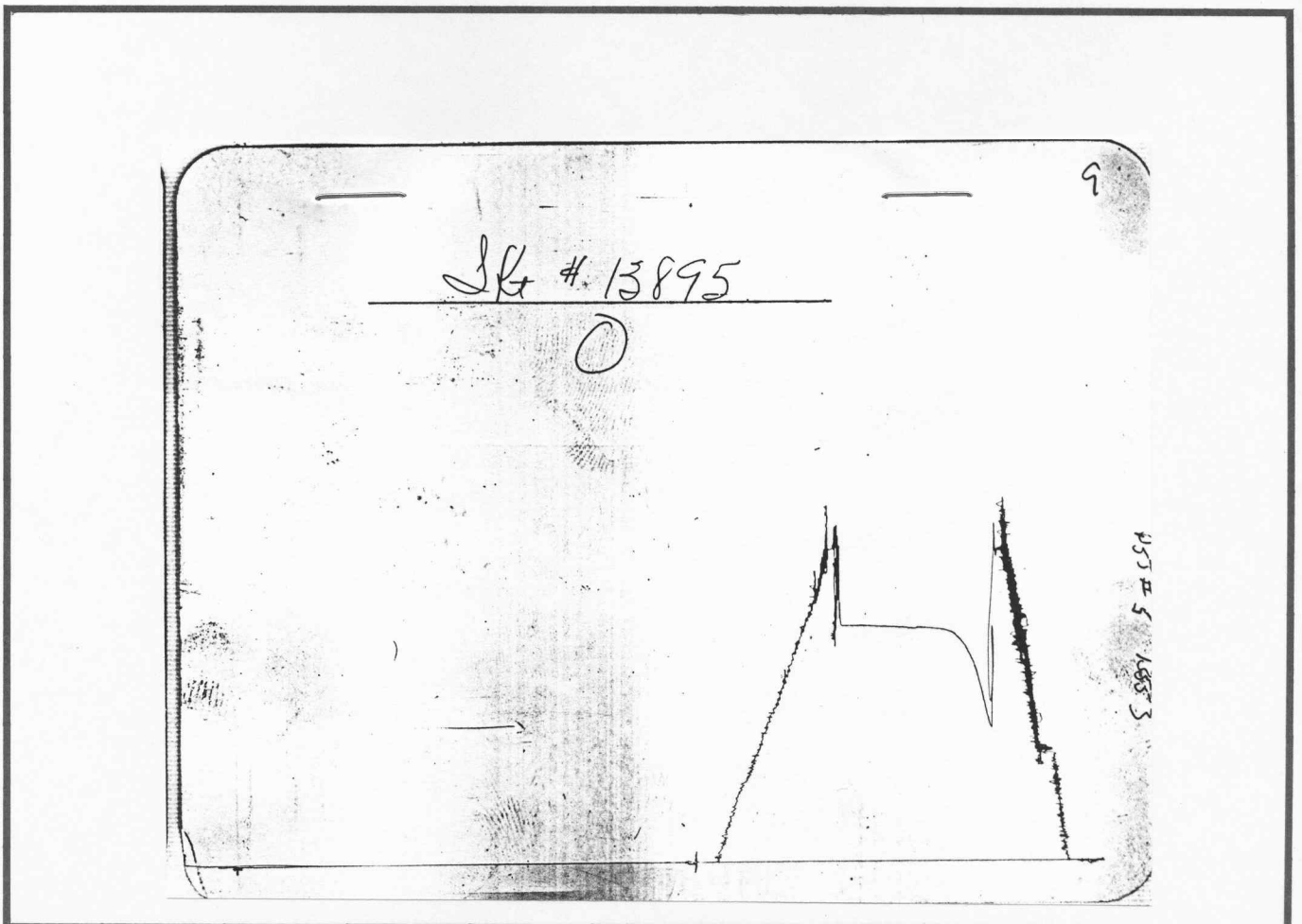
FIELD : RODGERS
JOB # : 13895
DEPTH : 3490
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	6:10: 0	0.000	734.000	110.00	0.000
2	6:14:59	0.083	816.000	110.00	82.000
3	6:20: 0	0.167	951.000	110.00	135.000
4	6:25: 0	0.250	1071.000	110.00	120.000
5	6:29:59	0.333	1149.000	110.00	78.000
6	6:35: 0	0.417	1205.000	110.00	56.000
7	6:40: 0	0.500	1230.000	110.00	25.000
8	6:43: 0	0.550	1249.000	110.00	19.000
9	6:46: 0	0.600	1259.000	110.00	10.000
10	6:49: 0	0.650	1264.000	110.00	5.000
11	6:52: 0	0.700	1267.000	110.00	3.000
12	6:55: 0	0.750	1272.000	110.00	5.000
13	6:58: 0	0.800	1274.000	110.00	2.000
14	7: 1: 0	0.850	1275.000	110.00	1.000
15	7: 4: 0	0.900	1275.000	110.00	0.000
16	7: 7: 0	0.950	1275.000	110.00	0.000
17	7:10: 0	1.000	1275.000	110.00	0.000
18	7:11: 0	1.017	1265.000	110.00	-10.000
19	7:14:59	1.083	1265.000	110.00	0.000
20	7:20: 0	1.167	1272.000	110.00	7.000
21	7:25: 0	1.250	1276.000	110.00	4.000
22	7:29:59	1.333	1277.000	110.00	1.000
23	7:35: 0	1.417	1278.000	110.00	1.000
24	7:40: 0	1.500	1279.000	110.00	1.000
25	7:43: 0	1.550	1279.000	110.00	0.000
26	7:46: 0	1.600	1279.000	110.00	0.000
27	7:49: 0	1.650	1279.000	110.00	0.000
28	7:52: 0	1.700	1279.000	110.00	0.000
29	7:55: 0	1.750	1279.000	110.00	0.000
30	7:58: 0	1.800	1279.000	110.00	0.000
31	8: 1: 0	1.850	1279.000	110.00	0.000
32	8: 4: 0	1.900	1279.000	110.00	0.000
33	8: 7: 0	1.950	1279.000	110.00	0.000
34	8:10: 0	2.000	1279.000	110.00	0.000

WESTERN TESTING CO. INC.

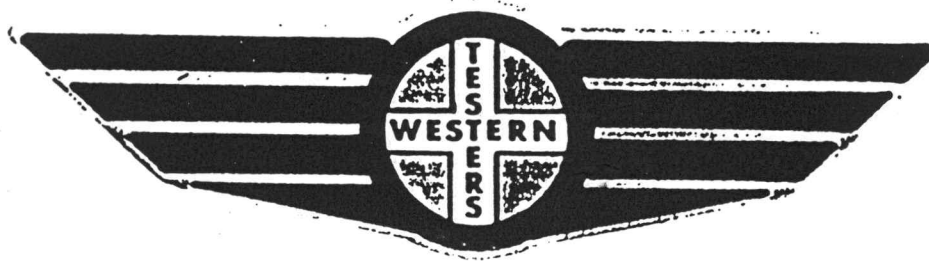


Inside Recorder



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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY JAY BOY OIL, INC.

LEASE & WELL NO. RODGERS #1

SEC. 23 TWP. 21S RGE. 1W TEST NO. 6 DATE 3/12/88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	3/12/88	TICKET	:	13896
CUSTOMER	:	JAY BOY OIL INC.	LEASE	:	RODGERS
WELL	:	1	TEST:	:	6
ELEVATION	:	1513 GL	GEOLOGIST	:	DAVIS
SECTION	:	23	FORMATION	:	SIMPSON
RANGE	:	1W	COUNTY	:	MCPHERSON
Gauge SN#	:	13549	RANGE	:	4100
			STATE	:	KANSAS
			CLOCK	:	12

INTERVAL FROM : 3498 TO : 3506 TOTAL DEPTH : 3506

DEPTH OF SELECTIVE ZONE :

PACKER DEPTH : 3493 SIZE : 6.63

PACKER DEPTH : 3498 SIZE : 6.63

PACKER DEPTH : SIZE :

PACKER DEPTH : SIZE :

DRILLING CON. : ALLEN RIG #4

MUD TYPE : CHEMICAL

VISCOSITY : 45

WEIGHT : 9.3

WATER LOSS (CC) : 8.0

CHLORIDES (PPM) : 3000

JARS-MAKE :

SERIAL NUMBER :

DID WELL FLOW ? :

REVERSED OUT ? :

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00

WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00

DRILL PIPE LENGTH : 3472 FT I.D. inch : 3.80

TEST TOOL LENGTH : 26 FT TOOL SIZE : 5.50

ANCHOR LENGTH : 8 FT ANCHOR SIZE : 5.50

SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75

MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD WEAK BLOW - BUILDING OFF

BLOW COMMENT #2 : BOTTOM OF BUCKET IN 15 MINUTES.

BLOW COMMENT #3 : FINAL FLOW PERIOD WEAK BLOW - BUILDING OFF

BLOW COMMENT #4 : BOTTOM OF BUCKET IN 22 MINUTES.

RECOVERED : 500 FT OF: WATER

Total Barrels Fluid = 7.01
Total Fluid Prod Rate = 168.32 BFPD
Indicated Wtr Rate = 168.32 BWPD

REMARK 1 :
REMARK 2 : CHLORIDES 22000 PPM
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 6:40 PM

TIME STARTED OFF BOTTOM : 9:40 PM

WELL TEMPERATURE : 112

INITIAL HYDROSTATIC PRESSURE

(A) 1791

INITIAL FLOW PERIOD MIN: 30

(B) 55 PSI TO (C) : 129

INITIAL CLOSED IN PERIOD MIN: 63

(D) 1277

FINAL FLOW PERIOD MIN: 30

(E) 170 PSI TO (F) : 241

FINAL CLOSED IN PERIOD MIN: 63

(G) 1278

FINAL HYDROSTATIC PRESSURE

(H) 1740

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : JAY BOY OIL INC.
RIG : MCPHERSON-KANSAS
FIELD : RODGERS
WELL : 1
DATE : 3/12/88
GAUGE NO : 13549

OPERATIONAL COMMENTS

CHLORIDES 22000 PPM

COMPANY : JAY BOY OIL INC.
WELL : 1
GAUGE # : 13549
DATE : 12/ 3/88

FIELD : RODGERS
JOB # : 13896
DEPTH : 3506
TEST :

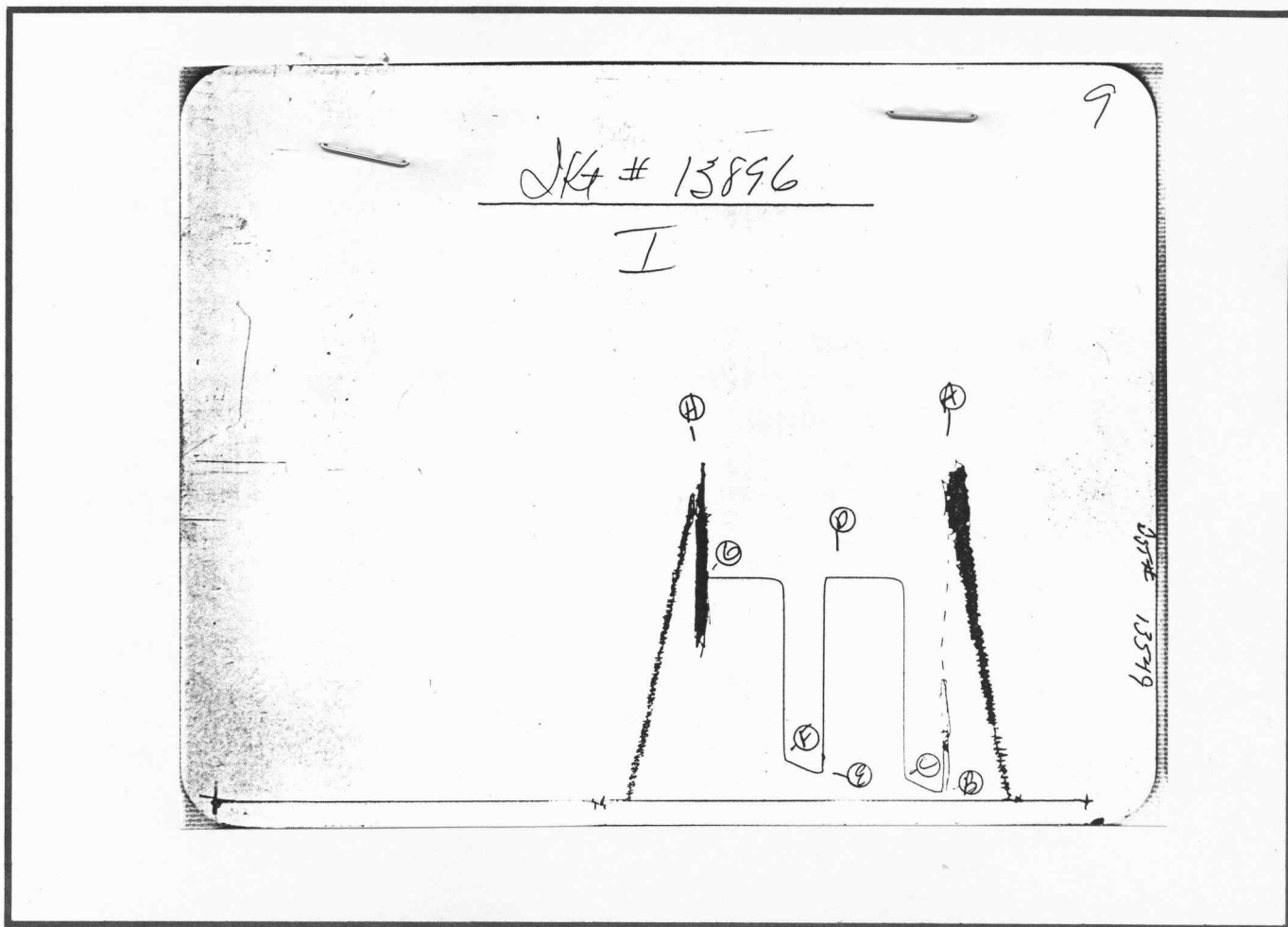
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	6:40: 0	0.000	55.000	112.00	0.000
2	6:44:59	0.083	57.000	112.00	2.000
3	6:50: 0	0.167	67.000	112.00	10.000
4	6:55: 0	0.250	82.000	112.00	15.000
5	6:59:59	0.333	99.000	112.00	17.000
6	7: 5: 0	0.417	118.000	112.00	19.000
7	7:10: 0	0.500	129.000	112.00	11.000
8	7:13: 0	0.550	628.000	112.00	499.000
9	7:16: 0	0.600	1243.000	112.00	615.000
10	7:19: 0	0.650	1262.000	112.00	19.000
11	7:22: 0	0.700	1268.000	112.00	6.000
12	7:25: 0	0.750	1272.000	112.00	4.000
13	7:28: 0	0.800	1274.000	112.00	2.000
14	7:31: 0	0.850	1275.000	112.00	1.000
15	7:34: 0	0.900	1275.000	112.00	0.000
16	7:37: 0	0.950	1276.000	112.00	1.000
17	7:40: 0	1.000	1276.000	112.00	0.000
18	7:43: 0	1.050	1276.000	112.00	0.000
19	7:46: 0	1.100	1277.000	112.00	1.000
20	7:49: 0	1.150	1277.000	112.00	0.000
21	7:52: 0	1.200	1277.000	112.00	0.000
22	7:55: 0	1.250	1277.000	112.00	0.000
23	7:58: 0	1.300	1277.000	112.00	0.000
24	8: 1: 0	1.350	1277.000	112.00	0.000
25	8: 4: 0	1.400	1277.000	112.00	0.000
26	8: 7: 0	1.450	1277.000	112.00	0.000
27	8:10: 0	1.500	1277.000	112.00	0.000
28	8:13: 0	1.550	1277.000	112.00	0.000
29	8:14: 0	1.567	170.000	112.00	-1107.000
30	8:17:59	1.633	170.000	112.00	0.000
31	8:23: 0	1.717	181.000	112.00	11.000
32	8:28: 0	1.800	197.000	112.00	16.000
33	8:32:59	1.883	215.000	112.00	18.000
34	8:38: 0	1.967	231.000	112.00	16.000
35	8:43: 0	2.050	241.000	112.00	10.000
36	8:46: 0	2.100	1182.000	112.00	941.000
37	8:48:59	2.150	1253.000	112.00	71.000
38	8:52: 0	2.200	1265.000	112.00	12.000
39	8:55: 0	2.250	1268.000	112.00	3.000
40	8:58: 0	2.300	1274.000	112.00	6.000
41	9: 1: 0	2.350	1276.000	112.00	2.000
42	9: 3:59	2.400	1277.000	112.00	1.000
43	9: 7: 0	2.450	1278.000	112.00	1.000
44	9:10: 0	2.500	1278.000	112.00	0.000
45	9:13: 0	2.550	1278.000	112.00	0.000
46	9:16: 0	2.600	1278.000	112.00	0.000
47	9:19: 0	2.650	1278.000	112.00	0.000
48	9:21:59	2.700	1278.000	112.00	0.000
49	9:25: 0	2.750	1278.000	112.00	0.000
50	9:28: 0	2.800	1278.000	112.00	0.000
51	9:31: 0	2.850	1278.000	112.00	0.000
52	9:34: 0	2.900	1278.000	112.00	0.000

COMPANY : JAY BOY OIL INC.
WELL : 1
GAUGE # : 13549
DATE : 12/ 3/88

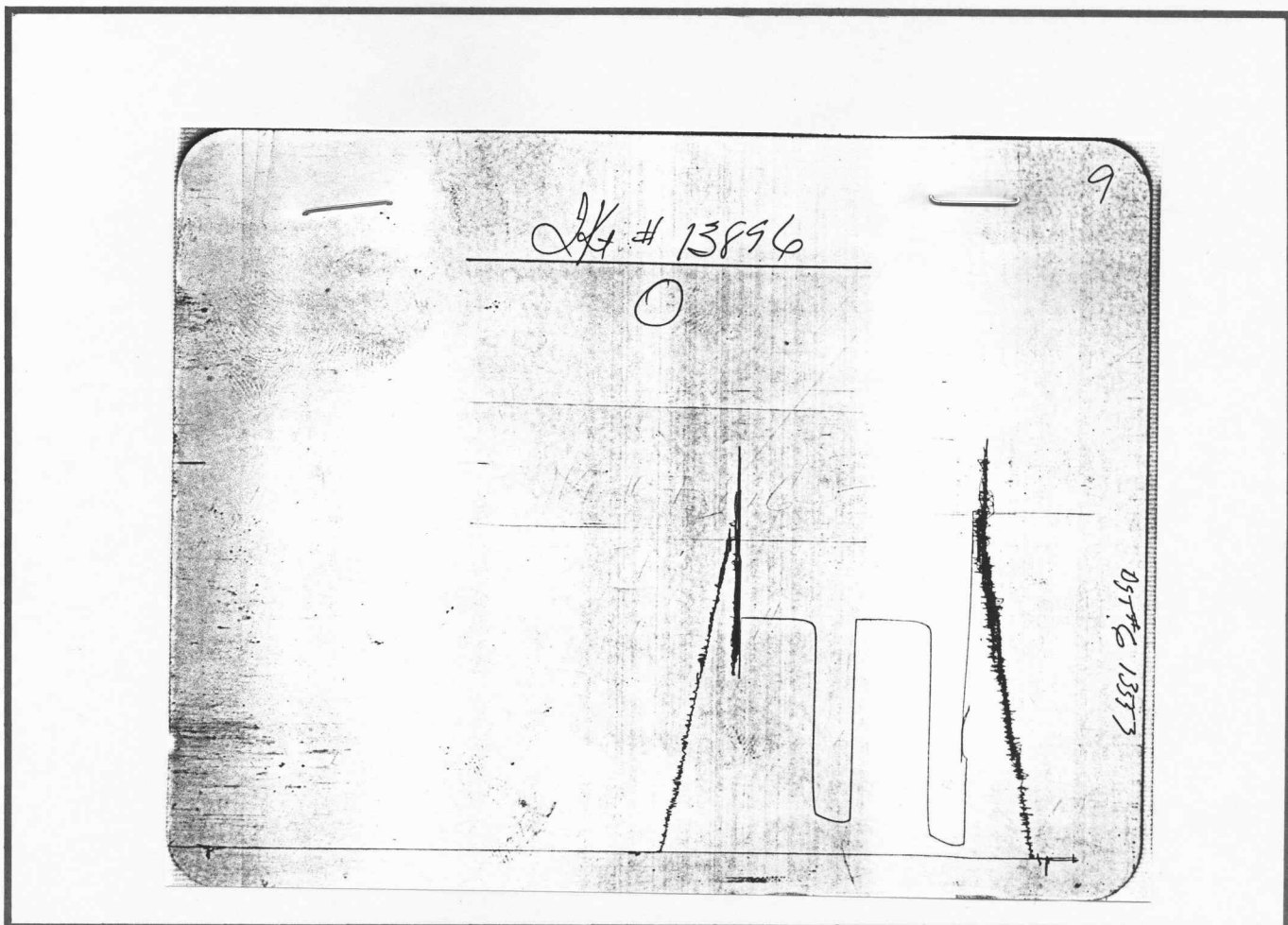
FIELD : RODGERS
JOB # : 13896
DEPTH : 3506
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	9:36:59	2.950	1278.000	112.00	0.000
54	9:40: 0	3.000	1278.000	112.00	0.000
55	9:43: 0	3.050	1278.000	112.00	0.000
56	9:46: 0	3.100	1278.000	112.00	0.000

WESTERN TESTING CO. INC.

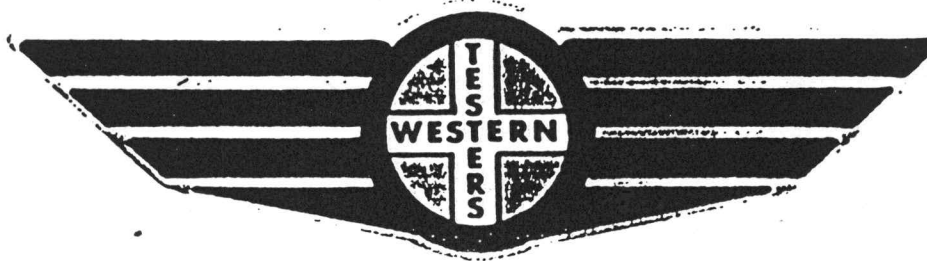


Inside Recorder



Outside Recorder

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY

JAY BOY OIL, INC.

LEASE & WELL NO.

RODGERS #1

SEC. 23

TWP. 21S

RGE. 1W

TEST NO. 7

DATE

3/13/88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	3/13/88	TICKET	:	13897
CUSTOMER	:	JAY BOY OIL INC.	LEASE	:	RODGERS
WELL	:	1	TEST:	:	7
ELEVATION	:	1513 GL	GEOLOGIST	:	DAVIS
SECTION	:	23	FORMATION	:	ARBUCKLE
RANGE	:	1W	TOWNSHIP	:	21S
GAUGE SN#	:	13549	COUNTY	:	MCPHERSON
			STATE	:	KANSAS
			RANGE	:	4100
			CLOCK	:	12

INTERVAL FROM	:	3554	TO	:	3560	TOTAL DEPTH	:	3560
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3549	SIZE	:	6.63			
PACKER DEPTH	:	3554	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	ALLEN RIG 1			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	43
WEIGHT	:	9.3	WATER LOSS (CC)	:	9.8
CHLORIDES (PPM)	:	6000			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:		REVERSED OUT ?	:	

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3528	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	26	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	6	FT	ANCHOR SIZE	:	5.50
SURFACE CHOKE SIZE	:	.75	IN	BOTTOM CHOKE SIZE	:	.75
MAIN HOLE SIZE	:	7.875	IN	TOOL JOINT SIZE	:	4.5XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD WEAK BLOW BUILDING IN
BLOW COMMENT #2 : 8 INCHES.
BLOW COMMENT #3 : FINAL FLOW PERIOD WEAK BLOW - BUILDING IN
BLOW COMMENT #4 : 4 INCHES.

RECOVERED : 250 FT OF: MUDDY WATER-15% MUD; 85% WATER

Total Barrels Fluid = 3.51
Total Fluid Prod Rate = 56.11 BFPD
Indicated Wtr Rate = 48.25 BWPD

REMARK 1 :
REMARK 2 : CHLORIDES 11000 PPM
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	11:25 AM	TIME STARTED OFF BOTTOM :	3:25 PM
WELL TEMPERATURE :	113		
INITIAL HYDROSTATIC PRESSURE		(A)	1697
INITIAL FLOW PERIOD MIN:	45	(B)	9 PSI TO (C) : 54
INITIAL CLOSED IN PERIOD MIN:	60	(D)	1314
FINAL FLOW PERIOD MIN:	45	(E)	96 PSI TO (F) : 126
FINAL CLOSED IN PERIOD MIN:	90	(G)	1318
FINAL HYDROSTATIC PRESSURE		(H)	1649

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : JAY BOY OIL INC.
RIG : MCPHERSON-KANSAS
FIELD : RODGERS
WELL : 1
DATE : 3/13/88
GAUGE NO : 13549

OPERATIONAL COMMENTS

CHLORIDES 11000 PPM

COMPANY : JAY BOY OIL INC.
WELL : 1
GAUGE # : 13549
DATE : 13/ 3/88

FIELD : RODGERS
JOB # : 13897
DEPTH : 3560
TEST :

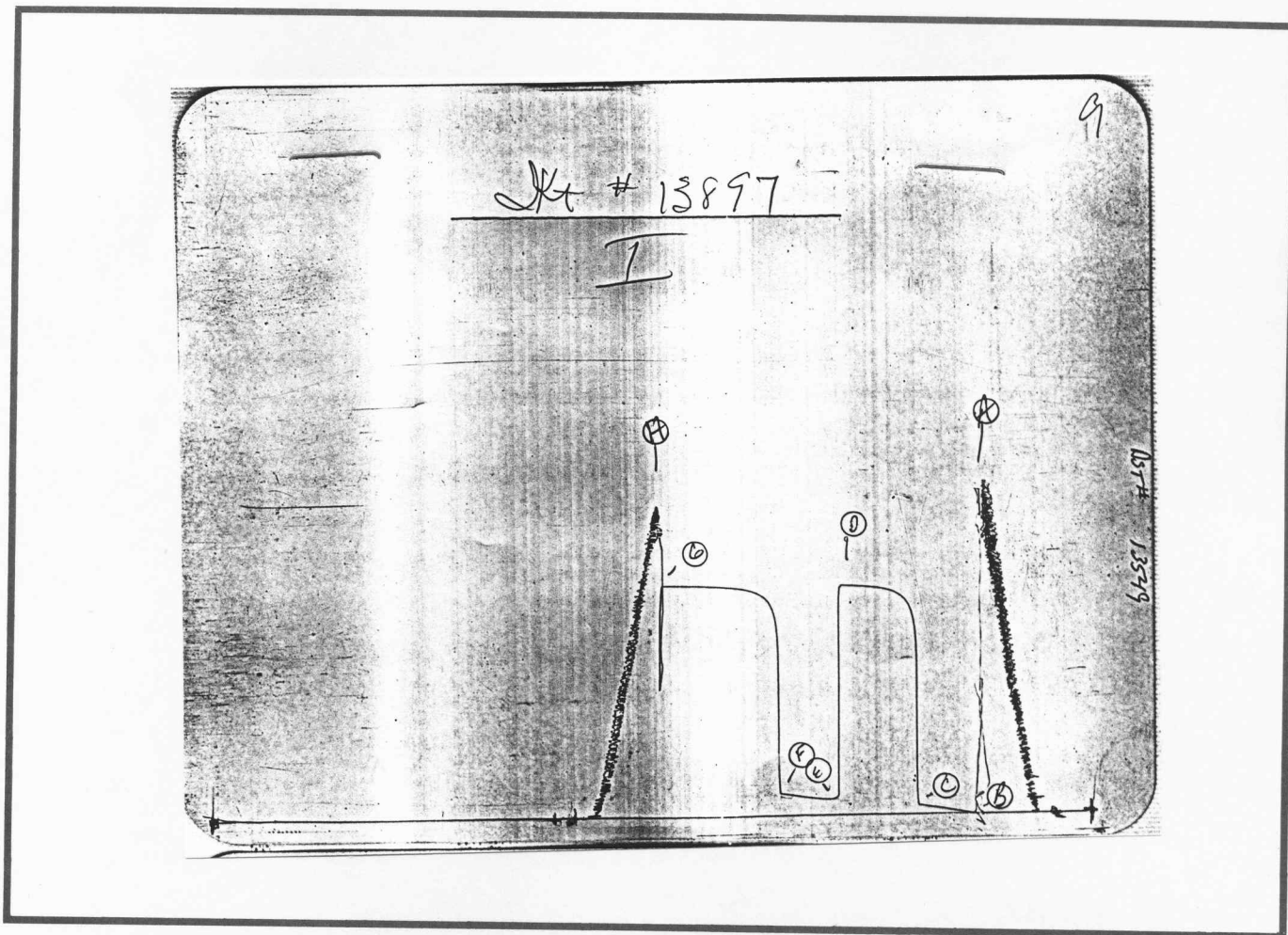
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	11:25: 0	0.000	9.000	113.00	0.000
2	11:29:59	0.083	10.000	113.00	1.000
3	11:35: 0	0.167	16.000	113.00	6.000
4	11:40: 0	0.250	21.000	113.00	5.000
5	11:44:59	0.333	28.000	113.00	7.000
6	11:50: 0	0.417	33.000	113.00	5.000
7	11:55: 0	0.500	40.000	113.00	7.000
8	11:59:59	0.583	44.000	113.00	4.000
9	12: 5: 0	0.667	49.000	113.00	5.000
10	12:10: 0	0.750	54.000	113.00	5.000
11	12:13: 0	0.800	1085.000	113.00	1031.000
12	12:16: 0	0.850	1179.000	113.00	94.000
13	12:19: 0	0.900	1220.000	113.00	41.000
14	12:22: 0	0.950	1244.000	113.00	24.000
15	12:25: 0	1.000	1259.000	113.00	15.000
16	12:28: 0	1.050	1273.000	113.00	14.000
17	12:31: 0	1.100	1281.000	113.00	8.000
18	12:34: 0	1.150	1288.000	113.00	7.000
19	12:37: 0	1.200	1293.000	113.00	5.000
20	12:40: 0	1.250	1297.000	113.00	4.000
21	12:43: 0	1.300	1300.000	113.00	3.000
22	12:46: 0	1.350	1303.000	113.00	3.000
23	12:49: 0	1.400	1305.000	113.00	2.000
24	12:52: 0	1.450	1307.000	113.00	2.000
25	12:55: 0	1.500	1309.000	113.00	2.000
26	12:58: 0	1.550	1310.000	113.00	1.000
27	13: 1: 0	1.600	1311.000	113.00	1.000
28	13: 4: 0	1.650	1312.000	113.00	1.000
29	13: 7: 0	1.700	1313.000	113.00	1.000
30	13:10: 0	1.750	1314.000	113.00	1.000
31	13:11: 0	1.767	96.000	113.00	-1218.000
32	13:14:59	1.833	96.000	113.00	0.000
33	13:20: 0	1.917	96.000	113.00	0.000
34	13:25: 0	2.000	97.000	113.00	1.000
35	13:29:59	2.083	101.000	113.00	4.000
36	13:35: 0	2.167	105.000	113.00	4.000
37	13:40: 0	2.250	110.000	113.00	5.000
38	13:44:59	2.333	117.000	113.00	7.000
39	13:50: 0	2.417	121.000	113.00	4.000
40	13:55: 0	2.500	126.000	113.00	5.000
41	13:58: 0	2.550	1120.000	113.00	994.000
42	14: 1: 0	2.600	1194.000	113.00	74.000
43	14: 4: 0	2.650	1227.000	113.00	33.000
44	14: 7: 0	2.700	1249.000	113.00	22.000
45	14:10: 0	2.750	1261.000	113.00	12.000
46	14:13: 0	2.800	1274.000	113.00	13.000
47	14:16: 0	2.850	1282.000	113.00	8.000
48	14:19: 0	2.900	1288.000	113.00	6.000
49	14:22: 0	2.950	1292.000	113.00	4.000
50	14:25: 0	3.000	1296.000	113.00	4.000
51	14:28: 0	3.050	1299.000	113.00	3.000
52	14:31: 0	3.100	1302.000	113.00	3.000

COMPANY : JAY BOY OIL INC.
WELL : 1
GAUGE # : 13549
DATE : 13/ 3/88

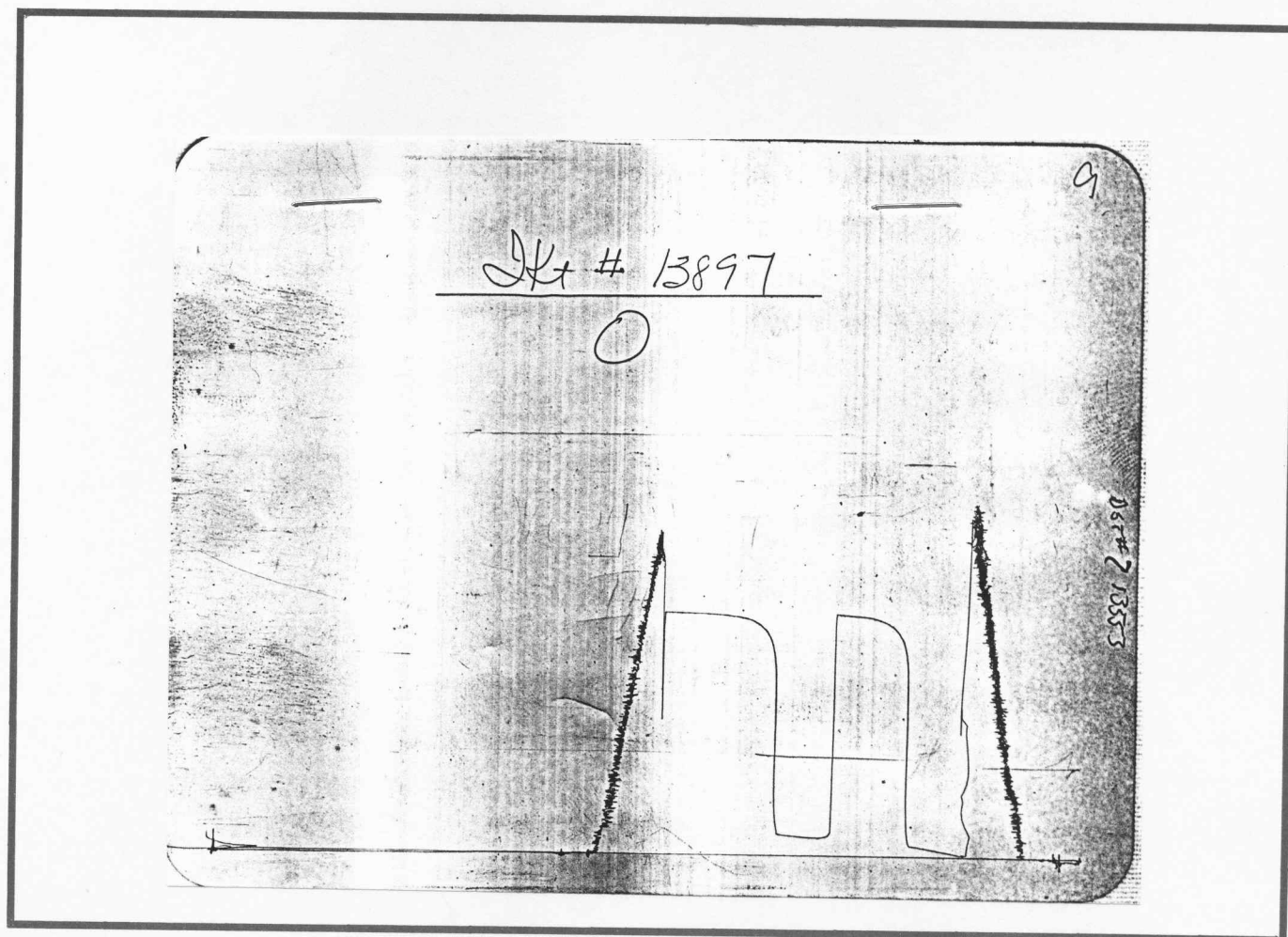
FIELD : RODGERS
JOB # : 13897
DEPTH : 3560
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	14:34: 0	3.150	1304.000	113.00	2.000
54	14:37: 0	3.200	1306.000	113.00	2.000
55	14:40: 0	3.250	1308.000	113.00	2.000
56	14:43: 0	3.300	1310.000	113.00	2.000
57	14:46: 0	3.350	1312.000	113.00	2.000
58	14:49: 0	3.400	1313.000	113.00	1.000
59	14:52: 0	3.450	1314.000	113.00	1.000
60	14:55: 0	3.500	1315.000	113.00	1.000
61	14:58: 0	3.550	1316.000	113.00	1.000
62	15: 1: 0	3.600	1317.000	113.00	1.000
63	15: 4: 0	3.650	1318.000	113.00	1.000
64	15: 7: 0	3.700	1318.000	113.00	0.000
65	15:10: 0	3.750	1318.000	113.00	0.000
66	15:13: 0	3.800	1318.000	113.00	0.000
67	15:16: 0	3.850	1318.000	113.00	0.000
68	15:19: 0	3.900	1318.000	113.00	0.000
69	15:22: 0	3.950	1318.000	113.00	0.000
70	15:25: 0	4.000	1318.000	113.00	0.000

WESTERN TESTING CO. INC.

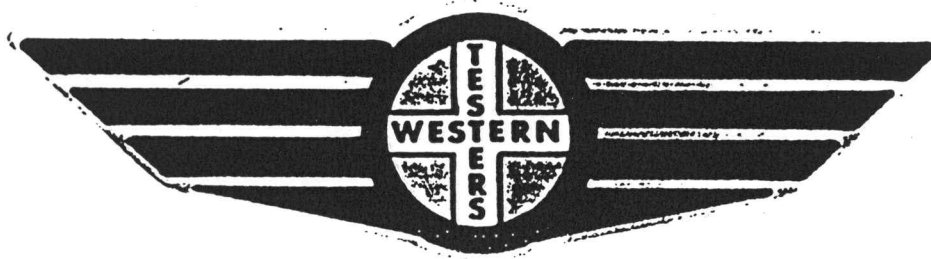


Inside Recorder



Outside Recorder

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY JAY BOY OIL, INC. LEASE & WELL NO. RODGERS #1 SEC. 23 TWP. 21S RGE. 1W TEST NO. 8 DATE 3/14/88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	3/14/88	TICKET	:	13899
CUSTOMER	:	JAY BOY OIL INC.	LEASE	:	RODGERS
WELL	:	1	TEST:	:	8
ELEVATION	:	1513 GL	GEOLOGIST	:	DAVIS
SECTION	:	23	FORMATION	:	SIMPSON
RANGE	:	1W	TOWNSHIP	:	21S
GAUGE SN#	:	13549	COUNTY	:	MCPHERSON
			STATE	:	KANSAS
			RANGE	:	4100
			CLOCK	:	12

INTERVAL FROM	:	3537	TO	:	3550	TOTAL DEPTH	:	3615
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3537	SIZE	:	6.63			
PACKER DEPTH	:	3545	SIZE	:	6.63			
PACKER DEPTH	:	3550	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	ALLEN RIG 4			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	45
WEIGHT	:	9.4	WATER LOSS (CC)	:	9.8
CHLORIDES (PPM)	:	6000			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:		REVERSED OUT ?	:	

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3517	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	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	:	4.5XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD WEAK BLOW BUILDING
BLOW COMMENT #2 : TO 5.5 INCHES.
BLOW COMMENT #3 : FINAL FLOW PERIOD WEAK BLOW BUILDING TO
BLOW COMMENT #4 : 2.5 INCHES IN BUCKET.

RECOVERED : 120 FT OF: MUDDY WATER-50% MUD; 50% WATER

Total Barrels Fluid = 1.68
Total Fluid Prod Rate = 23.08 BFPD
Indicated Wtr Rate = 11.54 BWPD

REMARK 1 :
REMARK 2 : CHLORIDES 20000 PPM
REMARK 3 : 65 FT TAIL PIPE IN ANCHOR
REMARK 4 :

SET PACKER(S) :	12:20 PM	TIME STARTED OFF BOTTOM :	4:35 PM
WELL TEMPERATURE :	114		
INITIAL HYDROSTATIC PRESSURE		(A)	1774
INITIAL FLOW PERIOD MIN:	45	(B)	44 PSI TO (C) : 55
INITIAL CLOSED IN PERIOD MIN:	66	(D)	1309
FINAL FLOW PERIOD MIN:	60	(E)	70 PSI TO (F) : 78
FINAL CLOSED IN PERIOD MIN:	96	(G)	1297
FINAL HYDROSTATIC PRESSURE		(H)	1765

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : JAY BOY OIL INC.
RIG : MCPHERSON-KANSAS
FIELD : RODGERS
WELL : 1
DATE : 3/14/88
GAUGE NO : 13549

OPERATIONAL COMMENTS

CHLORIDES 20000 PPM
65 FT TAIL PIPE IN ANCHOR

COMPANY : JAY BOY OIL INC.
WELL : 1
GAUGE # : 13549
DATE : 14/ 3/88

FIELD : RODGERS
JOB # : 13899
DEPTH : 3615
TEST :

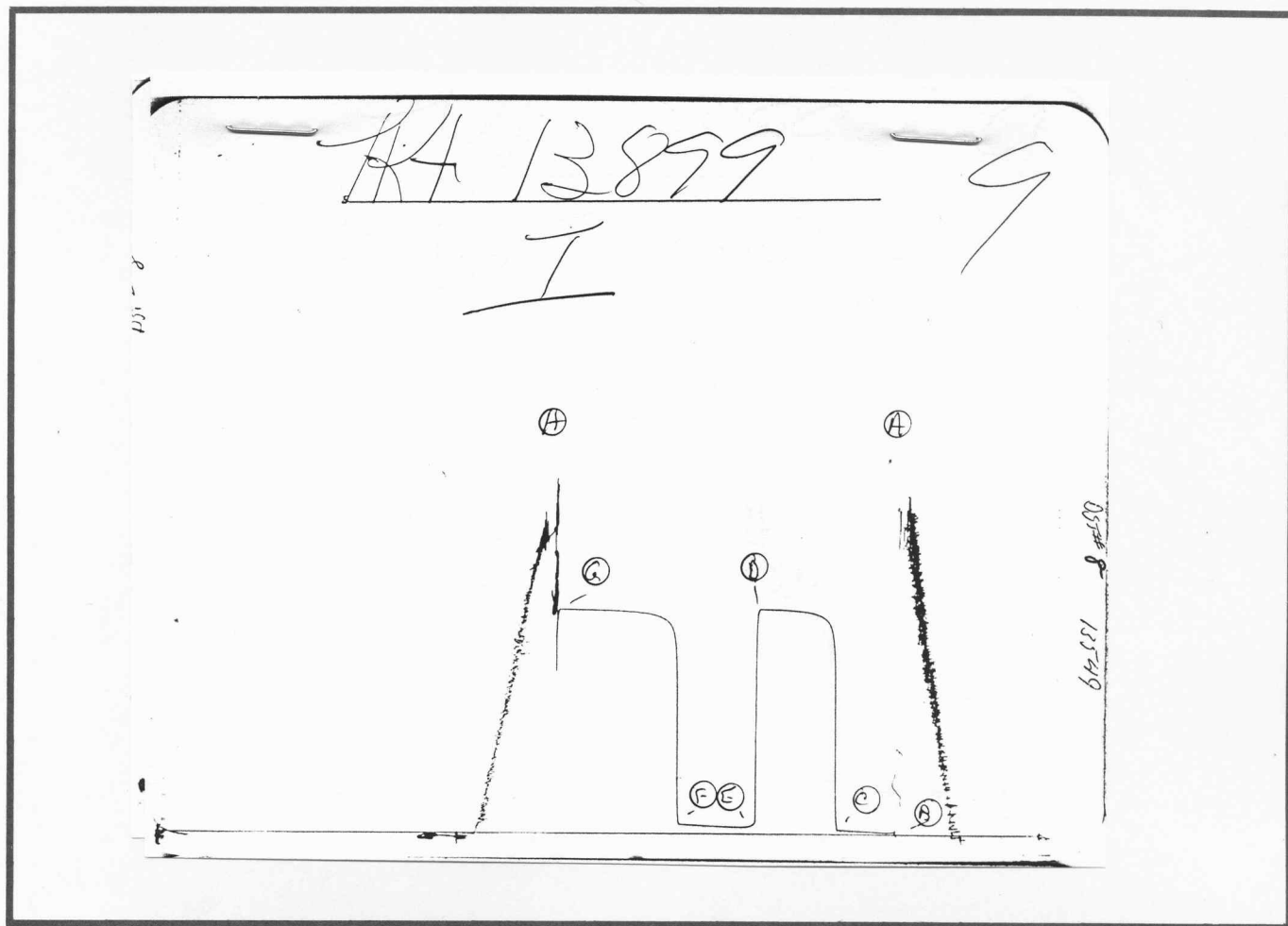
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	12:20: 0	0.000	44.000	114.00	0.000
2	12:24:59	0.083	44.000	114.00	0.000
3	12:30: 0	0.167	44.000	114.00	0.000
4	12:35: 0	0.250	45.000	114.00	1.000
5	12:39:59	0.333	48.000	114.00	3.000
6	12:45: 0	0.417	50.000	114.00	2.000
7	12:50: 0	0.500	52.000	114.00	2.000
8	12:54:59	0.583	53.000	114.00	1.000
9	13: 0: 0	0.667	54.000	114.00	1.000
10	13: 5: 0	0.750	55.000	114.00	1.000
11	13: 8: 0	0.800	375.000	114.00	320.000
12	13:11: 0	0.850	1079.000	114.00	704.000
13	13:14: 0	0.900	1205.000	114.00	126.000
14	13:17: 0	0.950	1243.000	114.00	38.000
15	13:20: 0	1.000	1261.000	114.00	18.000
16	13:23: 0	1.050	1273.000	114.00	12.000
17	13:26: 0	1.100	1282.000	114.00	9.000
18	13:29: 0	1.150	1288.000	114.00	6.000
19	13:32: 0	1.200	1293.000	114.00	5.000
20	13:35: 0	1.250	1297.000	114.00	4.000
21	13:38: 0	1.300	1299.000	114.00	2.000
22	13:41: 0	1.350	1301.000	114.00	2.000
23	13:44: 0	1.400	1303.000	114.00	2.000
24	13:47: 0	1.450	1304.000	114.00	1.000
25	13:50: 0	1.500	1305.000	114.00	1.000
26	13:53: 0	1.550	1306.000	114.00	1.000
27	13:56: 0	1.600	1307.000	114.00	1.000
28	13:59: 0	1.650	1308.000	114.00	1.000
29	14: 2: 0	1.700	1309.000	114.00	1.000
30	14: 5: 0	1.750	1309.000	114.00	0.000
31	14: 8: 0	1.800	1309.000	114.00	0.000
32	14:11: 0	1.850	1309.000	114.00	0.000
33	14:12: 0	1.867	70.000	114.00	-1239.000
34	14:15:59	1.933	70.000	114.00	0.000
35	14:21: 0	2.017	70.000	114.00	0.000
36	14:26: 0	2.100	70.000	114.00	0.000
37	14:30:59	2.183	70.000	114.00	0.000
38	14:36: 0	2.267	70.000	114.00	0.000
39	14:41: 0	2.350	71.000	114.00	1.000
40	14:45:59	2.433	72.000	114.00	1.000
41	14:51: 0	2.517	74.000	114.00	2.000
42	14:56: 0	2.600	75.000	114.00	1.000
43	15: 0:59	2.683	76.000	114.00	1.000
44	15: 6: 0	2.767	77.000	114.00	1.000
45	15:11: 0	2.850	78.000	114.00	1.000
46	15:13:59	2.900	738.000	114.00	660.000
47	15:16:59	2.950	1109.000	114.00	371.000
48	15:20: 0	3.000	1197.000	114.00	88.000
49	15:23: 0	3.050	1229.000	114.00	32.000
50	15:26: 0	3.100	1244.000	114.00	15.000
51	15:28:59	3.150	1255.000	114.00	11.000
52	15:31:59	3.200	1264.000	114.00	9.000

COMPANY : JAY BOY OIL INC.
WELL : 1
GAUGE # : 13549
DATE : 14/ 3/88

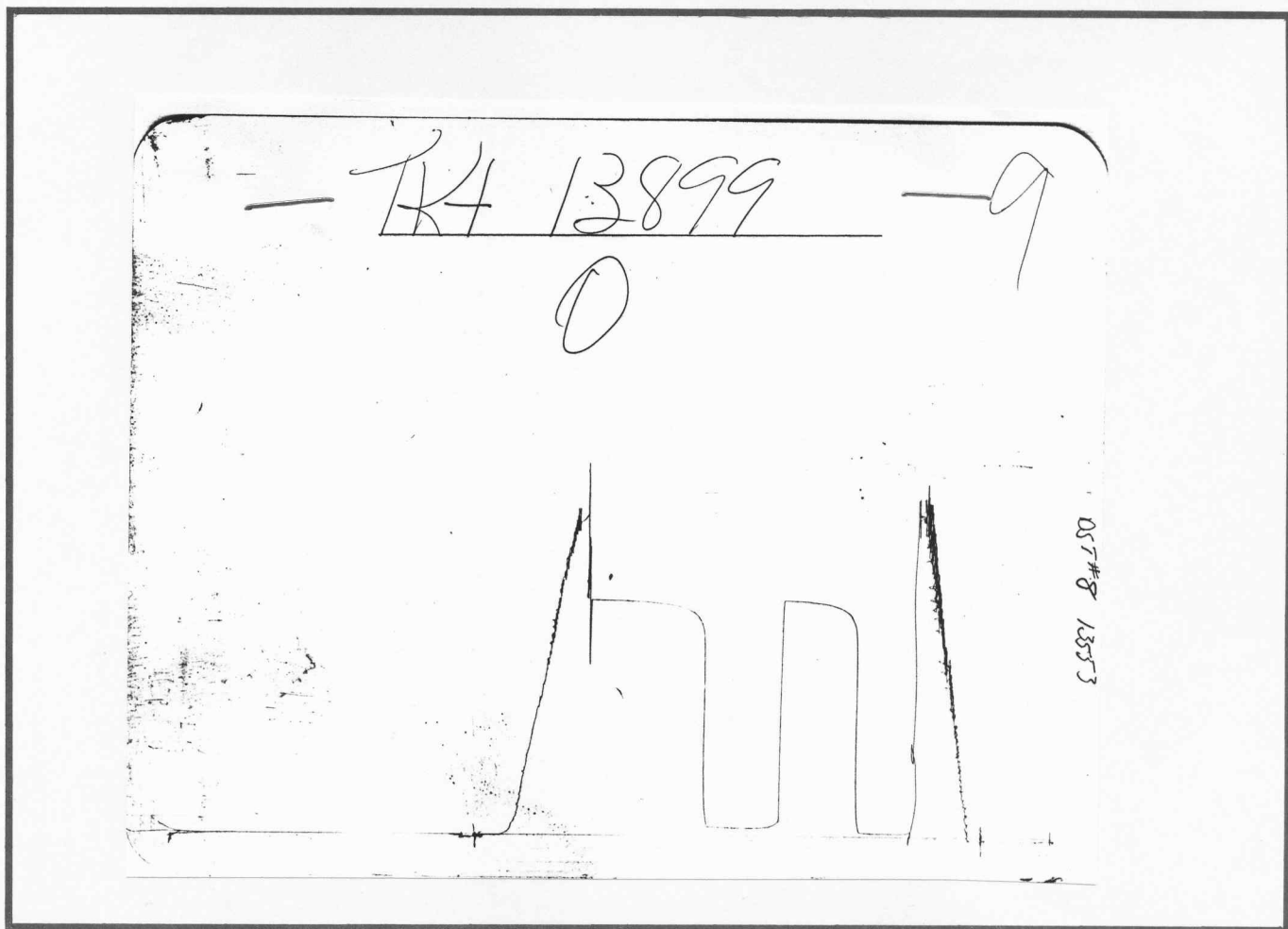
FIELD : RODGERS
JOB # : 13899
DEPTH : 3615
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	15:35: 0	3.250	1269.000	114.00	5.000
54	15:38: 0	3.300	1276.000	114.00	7.000
55	15:41: 0	3.350	1280.000	114.00	4.000
56	15:43:59	3.400	1283.000	114.00	3.000
57	15:46:59	3.450	1285.000	114.00	2.000
58	15:50: 0	3.500	1287.000	114.00	2.000
59	15:53: 0	3.550	1288.000	114.00	1.000
60	15:56: 0	3.600	1289.000	114.00	1.000
61	15:58:59	3.650	1290.000	114.00	1.000
62	16: 1:59	3.700	1291.000	114.00	1.000
63	16: 5: 0	3.750	1292.000	114.00	1.000
64	16: 8: 0	3.800	1293.000	114.00	1.000
65	16:11: 0	3.850	1294.000	114.00	1.000
66	16:13:59	3.900	1295.000	114.00	1.000
67	16:17: 0	3.950	1296.000	114.00	1.000
68	16:20: 0	4.000	1296.000	114.00	0.000
69	16:23: 0	4.050	1296.000	114.00	0.000
70	16:26: 0	4.100	1296.000	114.00	0.000
71	16:28:59	4.150	1297.000	114.00	1.000
72	16:32: 0	4.200	1297.000	114.00	0.000
73	16:35: 0	4.250	1297.000	114.00	0.000
74	16:38: 0	4.300	1297.000	114.00	0.000
75	16:41: 0	4.350	1297.000	114.00	0.000
76	16:43:59	4.400	1297.000	114.00	0.000
77	16:47: 0	4.450	1297.000	114.00	0.000

WESTERN TESTING CO. INC.



Inside Recorder



Outside Recorder