15-015-22990

27-26s-6E

FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

COMPANY R R ABDERHALDEN LEASE & WELL NO. BIGELOW #1 SEC. 27 TWP. 26S RGE. 6E TEST NO. 1 DATE 7/22/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	: 7-22-87			TICKET	: 11417
CUSTOMER	: R.R. ABDERHALDEN			LEASE	: BIGELOW
WELL	: #1	TEST: 1		GEOLOGIST	: R. ABDERHALDEN
ELEVATION	: 1415 KB			FORMATION	: MISSISSIPPI
SECTION	: 27			TOWNSHIP	: 26S
RANGE	: 6E	COUNTY :	BUTLER	STATE	: KANSAS
GAUGE SN#	: 13762	RANGE :	3925	CLOCK	: 12

INTERVAL FROM	: 2779	TO	: 2795	TOTAL DEPTH	: 2795
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 2774	SIZE	: 6.63		
PACKER DEPTH	: 2779	SIZE	: 6.63		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: WHITE & ELLIS	RIG#7	
MUD TYPE	: CHEMICAL	VISCOSITY	: 32
WEIGHT	: 9.6	WATER LOSS (CC)	: 15.8
CHLORIDES (PPM)	: 1200		
JARS-MAKE	: -	SERIAL NUMBER	:
DID WELL FLOW ?	: -	REVERSED OUT ?	: -

DRILL COLLAR LENGTH	: 360	FT	I.D. inch	: 2.25	
WEIGHT PIPE LENGTH	: 0	FT	I.D. inch	: 0.00	
DRILL PIPE LENGTH	: 2398	FT	I.D. inch	: 3.80	
TEST TOOL LENGTH	: 21	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-WEAK BLOW HOSE 1" INTO BUCKET.
BLOW COMMENT #2 : FINAL FLWO-WEAK BLOW-DIED IN 10 MINUTES.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 310 FT OF: DRILLING MUD
RECOVERED : 120 FT OF: OIL CUT MUD

Total Barrels Fluid = 2.75
Total Fluid Prod Rate = 44.03 BFPD
Indicated Oil Rate = 1.23 BOPD
Indicated Wtr Rate = 4.10 BWPD

REMARK 1 : MISRUN:PRESSURES QUESTIONABLE
REMARK 2 : OPEN TOOL & SLID 10 FEET TO BOTTOM-PICKED UP MUD / PULLED PACKER LOOSE & RESET TOOL-GOT GOOD PACKER SEAT-BLED 2 INCHES OFF BECAUSE OF STRONG BLOW FROM PICKING UP MUD IN TOOL.

SET PACKER(S) : 3:10 AM TIME STARTED OFF BOTTOM : 6:10 AM
WELL TEMPERATURE : 0

INITIAL HYDROSTATIC PRESSURE			(A)	1458		
INITIAL FLOW PERIOD	MIN:	45	(B)	252	PSI TO (C) :	252
INITIAL CLOSED IN PERIOD	MIN:	45	(D)	596		
FINAL FLOW PERIOD	MIN:	45	(E)	308	PSI TO (F) :	262
FINAL CLOSED IN PERIOD	MIN:	54	(G)	604		
FINAL HYDROSTATIC PRESSURE			(H)	1431		

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY	:	R.R. ABDERHALDEN
RIG	:	BUTLER-KANSAS
FIELD	:	BIGELOW
WELL	:	#1
DATE	:	7-22-87
GAUGE NO	:	13762

OPERATIONAL COMMENTS

MISRUN:PRESSURES QUESTIONABLE
OPEN TOOL & SLID 10 FEET TO BOTTOM-PICKED UP MUD / PULLED PACKER LOOSE & RESET TOOL-GOT GOOD PACKER SEAT-BLED 2 INCHES OFF BECAUSE OF STRONG BLOW FROM PICKING UP MUD IN TOOL.

COMPANY : R.R. ABDERHALDEN
WELL : #1
GAUGE # : 13762
DATE : 22/ 7/87

FIELD : BIGELOW
JOB # : 11417
DEPTH : 2795
TEST : MISRUN PRESSURES QUESTIONABLE

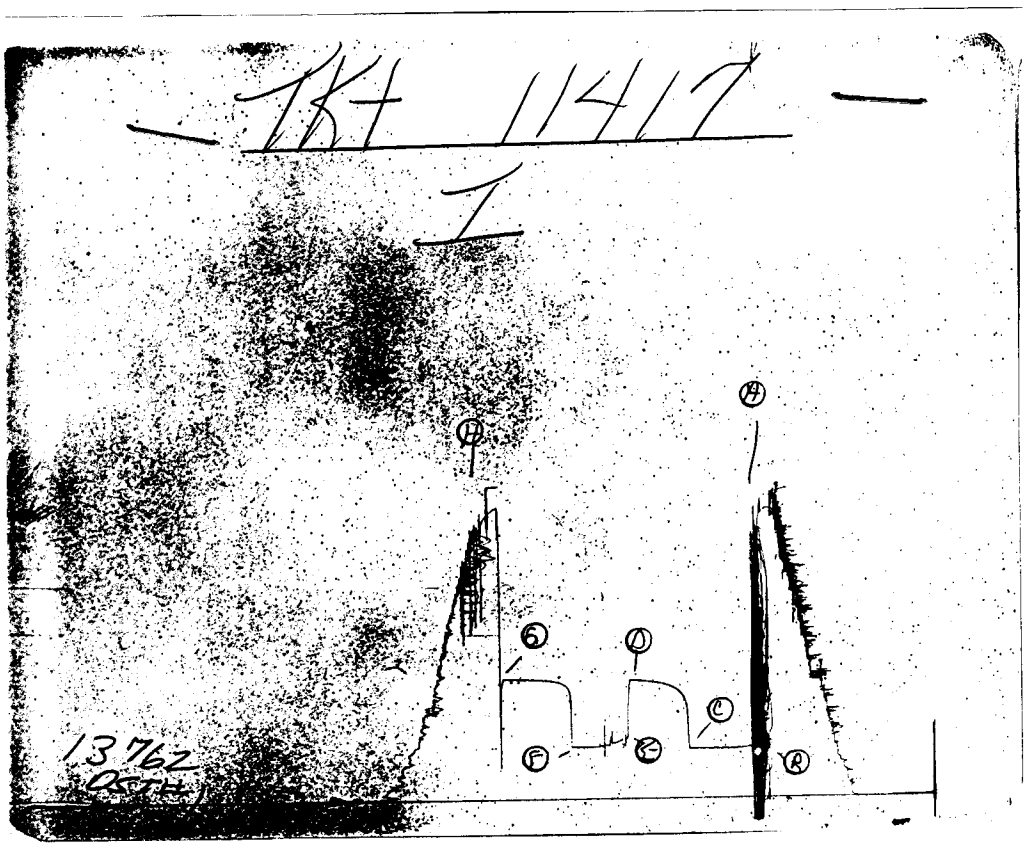
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(1-1)
1	3:10: 0	0.000	252.000	0.00	0.000
2	3:14:59	0.083	252.000	0.00	0.000
3	3:20: 0	0.167	252.000	0.00	0.000
4	3:25: 0	0.250	252.000	0.00	0.000
5	3:29:59	0.333	252.000	0.00	0.000
6	3:35: 0	0.417	252.000	0.00	0.000
7	3:40: 0	0.500	252.000	0.00	0.000
8	3:44:59	0.583	252.000	0.00	0.000
9	3:50: 0	0.667	252.000	0.00	0.000
10	3:55: 0	0.750	252.000	0.00	0.000
11	3:58: 0	0.800	491.000	0.00	239.000
12	4: 1: 0	0.850	524.000	0.00	33.000
13	4: 4: 0	0.900	545.000	0.00	21.000
14	4: 7: 0	0.950	557.000	0.00	12.000
15	4:10: 0	1.000	566.000	0.00	9.000
16	4:13: 0	1.050	574.000	0.00	8.000
17	4:16: 0	1.100	578.000	0.00	4.000
18	4:19: 0	1.150	581.000	0.00	3.000
19	4:22: 0	1.200	586.000	0.00	5.000
20	4:25: 0	1.250	588.000	0.00	2.000
21	4:28: 0	1.300	592.000	0.00	4.000
22	4:31: 0	1.350	593.000	0.00	1.000
23	4:34: 0	1.400	594.000	0.00	1.000
24	4:37: 0	1.450	595.000	0.00	1.000
25	4:40: 0	1.500	596.000	0.00	1.000
26	4:41: 0	1.517	308.000	0.00	-288.000
27	4:44:59	1.583	290.000	0.00	-18.000
28	4:50: 0	1.667	281.000	0.00	-9.000
29	4:55: 0	1.750	271.000	0.00	-10.000
30	4:59:59	1.833	265.000	0.00	-6.000
31	5: 5: 0	1.917	262.000	0.00	-3.000
32	5:10: 0	2.000	262.000	0.00	0.000
33	5:14:59	2.083	262.000	0.00	0.000
34	5:20: 0	2.167	262.000	0.00	0.000
35	5:25: 0	2.250	262.000	0.00	0.000
36	5:28: 0	2.300	550.000	0.00	288.000
37	5:31: 0	2.350	573.000	0.00	23.000
38	5:34: 0	2.400	583.000	0.00	10.000
39	5:37: 0	2.450	589.000	0.00	6.000
40	5:40: 0	2.500	593.000	0.00	4.000
41	5:43: 0	2.550	598.000	0.00	5.000
42	5:46: 0	2.600	599.000	0.00	1.000
43	5:49: 0	2.650	600.000	0.00	1.000
44	5:52: 0	2.700	601.000	0.00	1.000
45	5:55: 0	2.750	602.000	0.00	1.000
46	5:58: 0	2.800	603.000	0.00	1.000
47	6: 1: 0	2.850	604.000	0.00	1.000
48	6: 4: 0	2.900	604.000	0.00	0.000
49	6: 7: 0	2.950	604.000	0.00	0.000
50	6:10: 0	3.000	604.000	0.00	0.000
51	6:13: 0	3.050	604.000	0.00	0.000
52	6:16: 0	3.100	604.000	0.00	0.000

COMPANY : R.R. ABDERHALDEN
WELL : #1
GAUGE # : 13762
DATE : 22/ 7/87

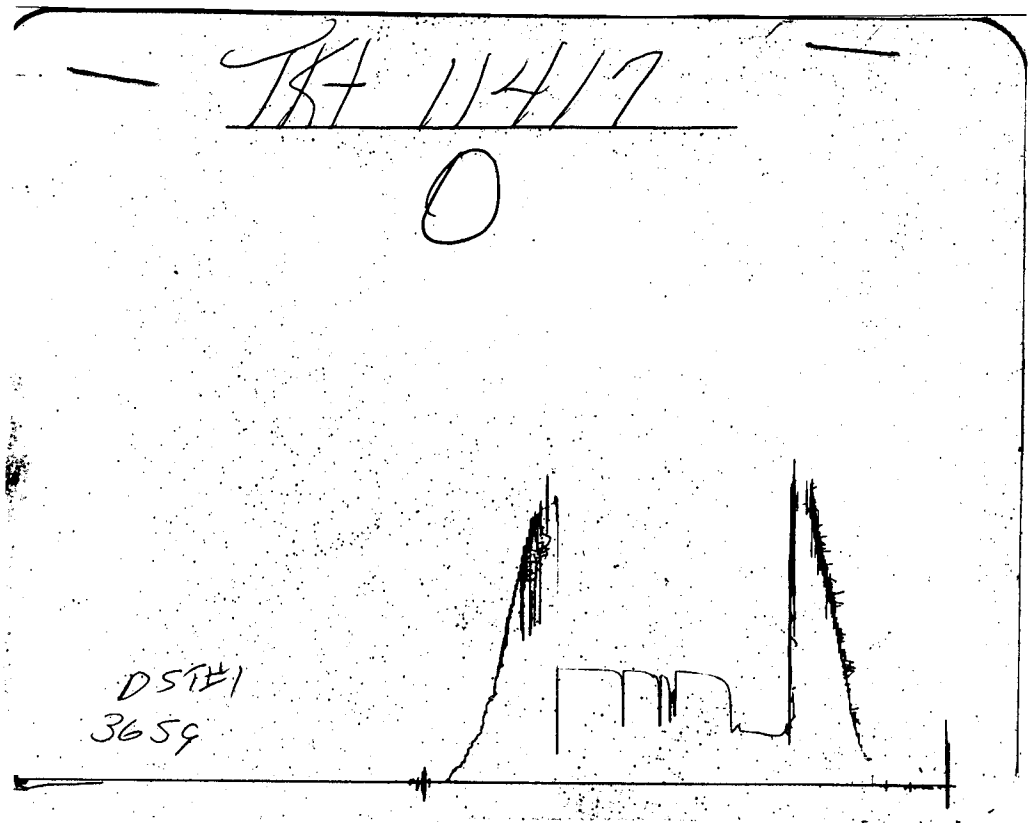
FIELD : BIGELOW
JOB # : 11417
DEPTH : 2795
TEST : MISRUN - PRESSURES QUESTIONABL

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(1-1)
53	6:19: 0	3.150	604.000	0.00	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 R R ABDERHALDEN LEASE & WELL NO. BIGELOW #1 SEC. 27 TWP. 26S RGE. 6E TEST NO. 2 DATE 7/22/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	: 7-22-87			TICKET	: 11418
CUSTOMER	: R.R. ABDERHALDEN			LEASE	: BIGELOW
WELL	: #1	TEST: 2		GEOLOGIST	: R.ABDERHALDEN
ELEVATION	: 1415 KB			FORMATION	: MISSISSIPPI
SECTION	: 27			TOWNSHIP	: 26S
RANGE	: 6E	COUNTY :	BUTLER	STATE	: KANSAS
GAUGE SN#	: 13762	RANGE :	3925	CLOCK	: 12

INTERVAL FROM	: 2779	TO	: 2795	TOTAL DEPTH	: 2795
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 2774	SIZE	: 6.63		
PACKER DEPTH	: 2779	SIZE	: 6.63		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: WHITE & ELLIS	RIG #7	
MUD TYPE	: CHEMICAL	VISCOSITY	: 40
WEIGHT	: 9.7	WATER LOSS (CC)	: 12.0
CHLORIDES (PPM)	: 1800		
JARS-MAKE	: -	SERIAL NUMBER	:
DID WELL FLOW ?	: -	REVERSED OUT ?	: -

DRILL COLLAR LENGTH	: 360	FT	I.D. inch	: 2.25	
WEIGHT PIPE LENGTH	: 0	FT	I.D. inch	: 0.00	
DRILL PIPE LENGTH	: 2398	FT	I.D. inch	: 3.80	
TEST TOOL LENGTH	: 21	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-WEAK BLOW-HOSE 2" INTO BUCKET.
BLOW COMMENT #2 : FINAL FLOW-WEAK BLOW BUILDING TO FAIR-HOSE 6" INTO BUCKET.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 180 FT OF: GAS & OIL CUT MUD
40% OIL-55% MUD

Total Barrels Fluid = 0.89
Total Fluid Prod Rate = 13.42 BFPD
Indicated Oil Rate = 6.04 BOPD
Indicated Wtr Rate = 0.74 BWPD

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

SET PACKER(S) : 1:00 PM TIME STARTED OFF BOTTOM : 4:00 PM
WELL TEMPERATURE : 105

INITIAL HYDROSTATIC PRESSURE			(A)	1490	
INITIAL FLOW PERIOD	MIN:	45	(B)	52	PSI TO (C) : 67
INITIAL CLOSED IN PERIOD	MIN:	45	(D)	582	
FINAL FLOW PERIOD	MIN:	50	(E)	90	PSI TO (F) : 102
FINAL CLOSED IN PERIOD	MIN:	48	(G)	603	
FINAL HYDROSTATIC PRESSURE			(H)	1445	

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

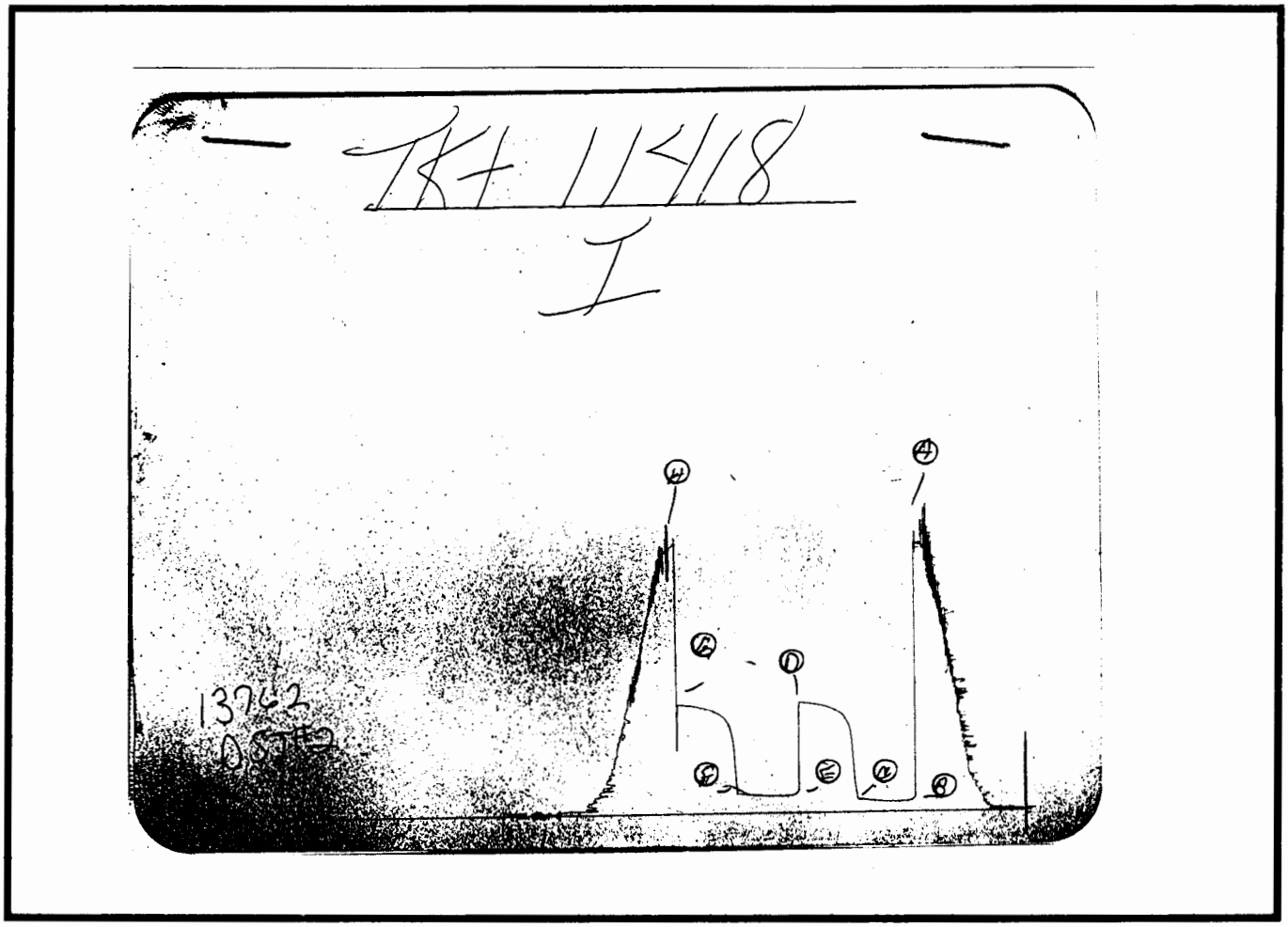
COMPANY	:	R.R. ABDERHALDEN
RIG	:	BUTLER-KANSAS
FIELD	:	BIGELOW
WELL	:	#1
DATE	:	7-22-87
GAUGE NO	:	13762

OPERATIONAL COMMENTS

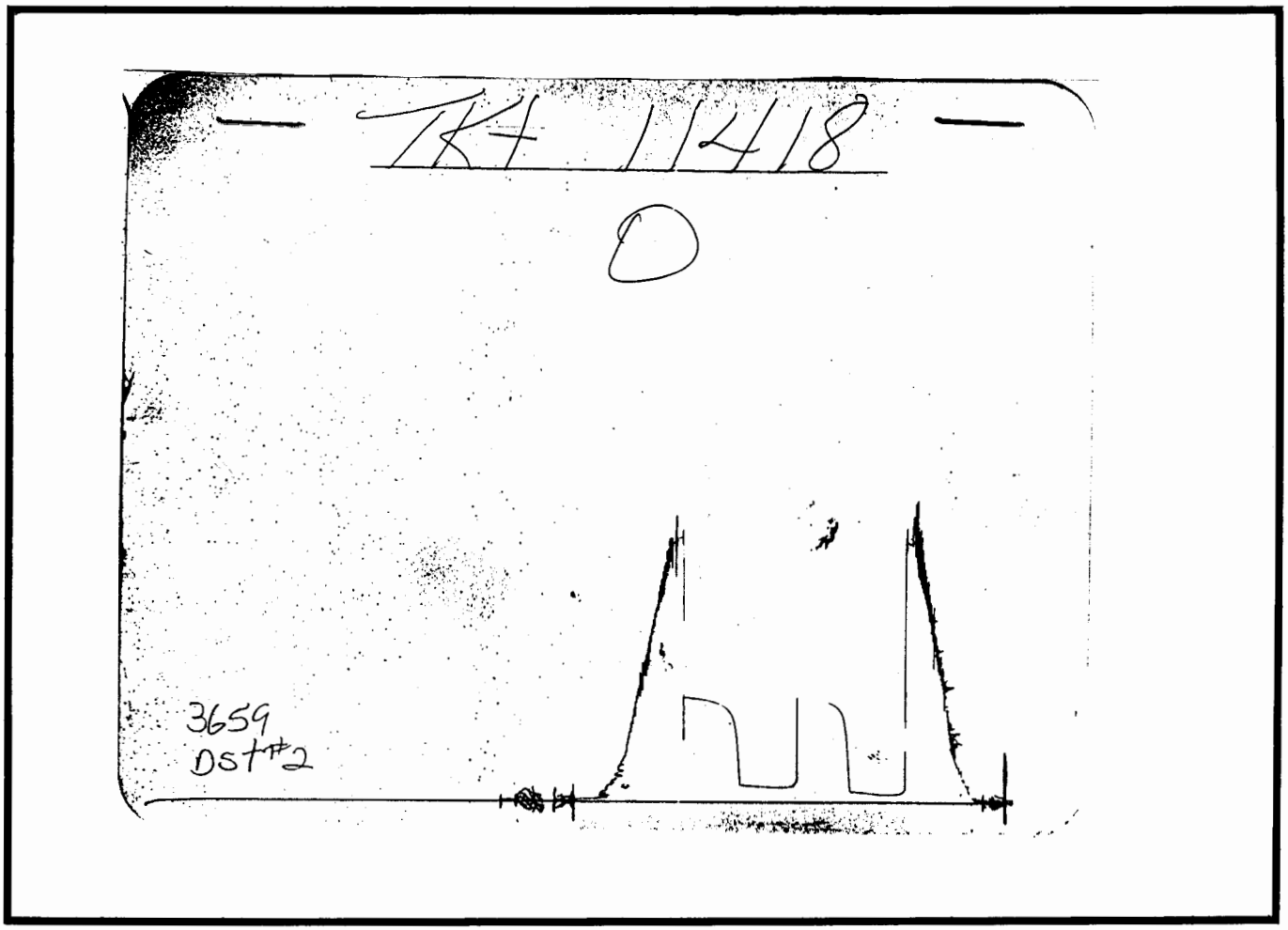
COMPANY : R.R. ABDERHALDEN
WELL : #1
GAUGE # : 13762
DATE : 22/ 7/87

FIELD : BIGELOW
JOB # : 11418
DEPTH : 2795
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(1-1)
1	1: 0: 0	0.000	52.000	105.00	0.000
2	1: 4:59	0.083	52.000	105.00	0.000
3	1:10: 0	0.167	52.000	105.00	0.000
4	1:15: 0	0.250	52.000	105.00	0.000
5	1:19:59	0.333	53.000	105.00	1.000
6	1:25: 0	0.417	54.000	105.00	1.000
7	1:30: 0	0.500	57.000	105.00	3.000
8	1:34:59	0.583	61.000	105.00	4.000
9	1:40: 0	0.667	64.000	105.00	3.000
10	1:45: 0	0.750	67.000	105.00	3.000
11	1:48: 0	0.800	243.000	105.00	176.000
12	1:51: 0	0.850	421.000	105.00	178.000
13	1:54: 0	0.900	477.000	105.00	56.000
14	1:57: 0	0.950	509.000	105.00	32.000
15	2: 0: 0	1.000	528.000	105.00	19.000
16	2: 2:59	1.050	539.000	105.00	11.000
17	2: 6: 0	1.100	547.000	105.00	8.000
18	2: 9: 0	1.150	556.000	105.00	9.000
19	2:12: 0	1.200	563.000	105.00	7.000
20	2:15: 0	1.250	567.000	105.00	4.000
21	2:18: 0	1.300	572.000	105.00	5.000
22	2:21: 0	1.350	576.000	105.00	4.000
23	2:24: 0	1.400	578.000	105.00	2.000
24	2:27: 0	1.450	580.000	105.00	2.000
25	2:30: 0	1.500	582.000	105.00	2.000
26	2:31: 0	1.517	90.000	105.00	-492.000
27	2:34:59	1.583	90.000	105.00	0.000
28	2:40: 0	1.667	90.000	105.00	0.000
29	2:45: 0	1.750	90.000	105.00	0.000
30	2:49:59	1.833	91.000	105.00	1.000
31	2:55: 0	1.917	92.000	105.00	1.000
32	3: 0: 0	2.000	93.000	105.00	1.000
33	3: 4:59	2.083	95.000	105.00	2.000
34	3:10: 0	2.167	97.000	105.00	2.000
35	3:15: 0	2.250	100.000	105.00	3.000
36	3:19:59	2.333	102.000	105.00	2.000
37	3:22:59	2.383	358.000	105.00	256.000
38	3:25:59	2.433	449.000	105.00	91.000
39	3:28:59	2.483	487.000	105.00	38.000
40	3:31:59	2.533	510.000	105.00	23.000
41	3:34:59	2.583	525.000	105.00	15.000
42	3:37:59	2.633	536.000	105.00	11.000
43	3:40:59	2.683	544.000	105.00	8.000
44	3:43:59	2.733	549.000	105.00	5.000
45	3:46:59	2.783	555.000	105.00	6.000
46	3:49:59	2.833	560.000	105.00	5.000
47	3:52:59	2.883	564.000	105.00	4.000
48	3:55:59	2.933	569.000	105.00	5.000
49	3:58:59	2.983	572.000	105.00	3.000
50	4: 1:59	3.033	574.000	105.00	2.000
51	4: 4:59	3.083	576.000	105.00	2.000
52	4: 7:59	3.133	603.000	105.00	27.000



Inside Recorder



Outside Recorder