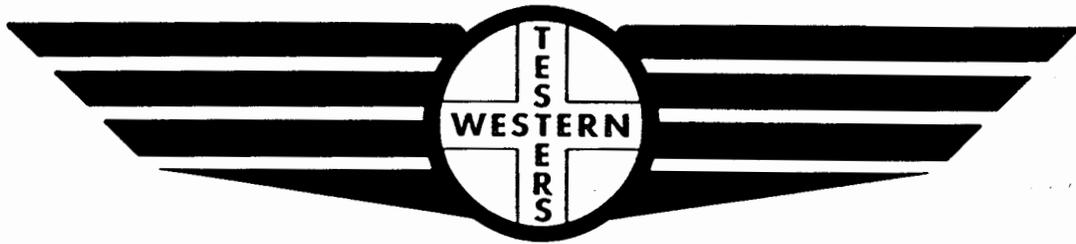


15-049-21989

22-31s-10E

COMPANY R R ABDERHALDEN
LEASE & WELL NO. CLARK B #1
SEC. 22 TWP. 31S RGE. 10E
TEST NO. 1
DATE 1/16/86

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

SUBSURFACE PRESSURE SURVEY

DATE : 1-16-86 TICKET : 9584
 CUSTOMER : R.R. ABDERHALDEN LEASE : CLARK "B"
 WELL : 1 TEST: 1 GEOLOGIST : ABDERHALDEN
 ELEVATION : 1155 FORMATION : MISSISSIPPI
 SECTION : 22 TOWNSHIP : 31S
 RANGE : 10E COUNTY : ELK STATE : KANSAS
 GAUGE SN# : 5666 RANGE : 3950 CLOCK : 12

INTERVAL FROM : 2086 TO : 2135 TOTAL DEPTH : 2135
 DEPTH OF SELECTIVE ZONE :
 PACKER DEPTH : 2081 SIZE : 6.75
 PACKER DEPTH : 2086 SIZE : 6.75
 PACKER DEPTH : SIZE :
 PACKER DEPTH : SIZE :

DRILLING CON. : R.R.A. DRLG
 MUD TYPE : CHEMICAL VISCOSITY : 43
 WEIGHT : 9.8 WATER LOSS (CC) :
 CHLORIDES (PPM) :
 JARS-MAKE : SERIAL NUMBER :
 DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 417 FT I.D. inch : 2.25
 WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
 DRILL PIPE LENGTH : 1649 FT I.D. inch : 3.80
 TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50
 ANCHOR LENGTH : 49 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 : STRONG BLOW THROUGHOUT TEST.
 BLOW COMMENT #2 :
 BLOW COMMENT #3 :
 BLOW COMMENT #4 :

RECOVERED : 10 FT OF: GAS & OIL CUT MUDDY WTR. 0.10 Barrels
 RECOVERED : 0 FT OF: (20%GAS; 30%OIL; 50%MW). 0.00 Barrels
 RECOVERED : 300 FT OF: OIL & GAS CUT MUDDY WTR. 2.87 Barrels
 RECOVERED : 0 FT OF: (10%GAS; 10%OIL; 80%MW). 0.00 Barrels
 RECOVERED : 120 FT OF: SL OIL & GAS CUT MDY WTR. 1.15 Barrels
 RECOVERED : 0 FT OF: (5%GAS; 5%OIL; 90%MW). 0.00 Barrels
 RECOVERED : 420 FT OF: VY SL OIL & GAS CUT WTR. 4.01 Barrels
 RECOVERED : 0 FT OF: (2%OIL ON TOP 60' TO 0.00 Barrels
 RECOVERED : 0 FT OF: TRACE). 0.00 Barrels
 Total Barrels = 8.1 Total Production = 130.0 Bpd

REMARK 1 : CHLORIDES 73000 PPM.
 REMARK 2 :
 REMARK 3 :
 REMARK 4 :

SET PACKER(S) : 3:15 PM TIME STARTED OFF BOTTOM : 6:15 PM
 WELL TEMPERATURE : 98
 INITIAL HYDROSTATIC PRESSURE (A) 1074
 INITIAL FLOW PERIOD MIN: 45 (B) 63 PSI TO (C) : 324
 INITIAL CLOSED IN PERIOD MIN: 45 (D) 461
 FINAL FLOW PERIOD MIN: 45 (E) 367 PSI TO (F) : 437
 FINAL CLOSED IN PERIOD MIN: 45 (G) 473
 FINAL HYDROSTATIC PRESSURE (H) 1064

Pressure Transient Report

DATA FILE.....
COMPANY.....R.R. ABDERHALDEN
DATE OF TEST.....1-16-86
FIELD NAME.....CLARK "B"
WELL NAME.....1
LOCATION.....ELK-KANSAS
JOB NUMBER.....9584
GAUGE NUMBER.....5666
GAUGE DEPTH.....2135

COMMENTS
CHLORIDES 73000 PPM.

START UP TIME	(mo/da/yr)	(hr:min:sec)
	1./16/86.	3.: 15.: 0.

COMPANY : R.R. ABDERHALDEN FIELD : CLARK "B"
 WELL : 1 JOB # : 9584
 GAUGE # : 5666 DEPTH : 2135
 MON/DAY : 1/16

PAGE 1

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (P _o -P ₁)	DP/DT Psi/hr
1	3:15: 0	0 0.000	63.00	98.0	0.00	0.00
2	3:20: 0	5 0.083	159.00	98.0	96.00	1151.86
3	3:25: 0	10 0.167	186.00	98.0	123.00	324.08
4	3:30: 0	15 0.250	212.00	98.0	149.00	311.96
5	3:35: 0	20 0.333	237.00	98.0	174.00	299.96
6	3:40: 0	25 0.417	261.00	98.0	198.00	288.07
7	3:45: 0	30 0.500	282.00	98.0	219.00	251.97
8	3:50: 0	35 0.583	298.00	98.0	235.00	191.98
9	3:55: 0	40 0.667	315.00	98.0	252.00	204.05
10	4: 0: 0	45 0.750	324.00	98.0	261.00	107.99
11	4: 3: 0	48 0.800	410.00	98.0	347.00	1720.42
12	4: 6: 0	51 0.850	427.00	98.0	364.00	339.88
13	4: 9: 0	54 0.900	435.00	98.0	372.00	160.04
14	4:12: 0	57 0.950	441.00	98.0	378.00	119.96
15	4:15: 0	60 1.000	445.00	98.0	382.00	80.02
16	4:18: 0	63 1.050	447.00	98.0	384.00	40.01
17	4:21: 0	66 1.100	449.00	98.0	386.00	39.99
18	4:24: 0	69 1.150	451.00	98.0	388.00	40.01
19	4:27: 0	72 1.200	453.00	98.0	390.00	39.99
20	4:30: 0	75 1.250	455.00	98.0	392.00	40.01
21	4:33: 0	78 1.300	457.00	98.0	394.00	40.01
22	4:36: 0	81 1.350	458.00	98.0	395.00	19.99
23	4:39: 0	84 1.400	459.00	98.0	396.00	20.00
24	4:42: 0	87 1.450	460.00	98.0	397.00	19.99
25	4:45: 0	90 1.500	461.00	98.0	398.00	20.00
26	4:46: 0	91 1.517	367.00	98.0	304.00	-5641.38
27	4:50: 0	95 1.583	367.00	98.0	304.00	0.00
28	4:55: 0	100 1.667	372.00	98.0	309.00	60.01
29	5: 0: 0	105 1.750	384.00	98.0	321.00	143.98
30	5: 5: 0	110 1.833	396.00	98.0	333.00	143.98
31	5:10: 0	115 1.917	406.00	98.0	343.00	120.03
32	5:15: 0	120 2.000	416.00	98.0	353.00	119.99
33	5:20: 0	125 2.083	424.00	98.0	361.00	95.99
34	5:25: 0	130 2.167	432.00	98.0	369.00	96.02
35	5:30: 0	135 2.250	437.00	98.0	374.00	59.99
36	5:33: 0	138 2.300	448.00	98.0	385.00	220.05
37	5:36: 0	141 2.350	454.00	98.0	391.00	119.96
38	5:39: 0	144 2.400	457.00	98.0	394.00	60.01
39	5:42: 0	147 2.450	461.00	98.0	398.00	79.97
40	5:45: 0	150 2.500	463.00	98.0	400.00	40.01
41	5:48: 0	153 2.550	465.00	98.0	402.00	40.01
42	5:51: 0	156 2.600	466.00	98.0	403.00	19.99
43	5:54: 0	159 2.650	467.00	98.0	404.00	20.00
44	5:57: 0	162 2.700	468.00	98.0	405.00	19.99
45	6: 0: 0	165 2.750	469.00	98.0	406.00	20.00
46	6: 3: 0	168 2.800	470.00	98.0	407.00	20.00
47	6: 6: 0	171 2.850	471.00	98.0	408.00	19.99
48	6: 9: 0	174 2.900	472.00	98.0	409.00	20.00
49	6:12: 0	177 2.950	473.00	98.0	410.00	19.99

COMPANY : R.R. ABDERHALDEN FIELD : CLARK "B"
WELL : 1 JOB # : 9584
GAUGE # : 5666 DEPTH : 2135
MON/DAY : 1/16

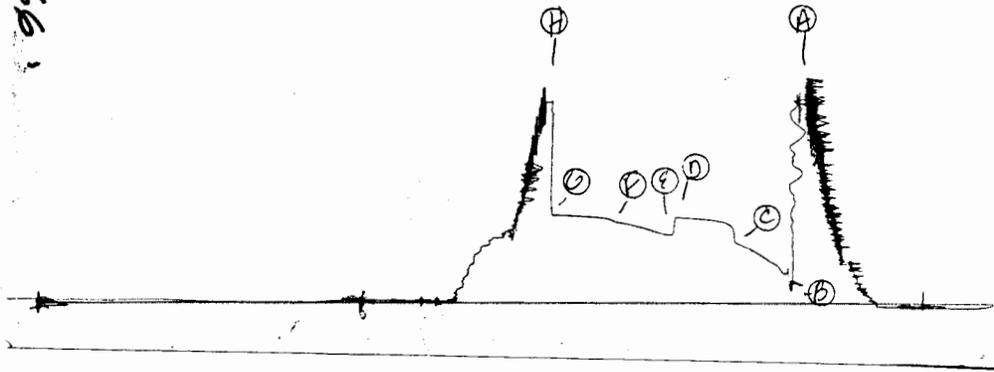
PAGE 2

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-P1)	DP/DT Psi/hr
50	6:15: 0	180 3.000	473.00	98.0	410.00	0.00

9584

5666

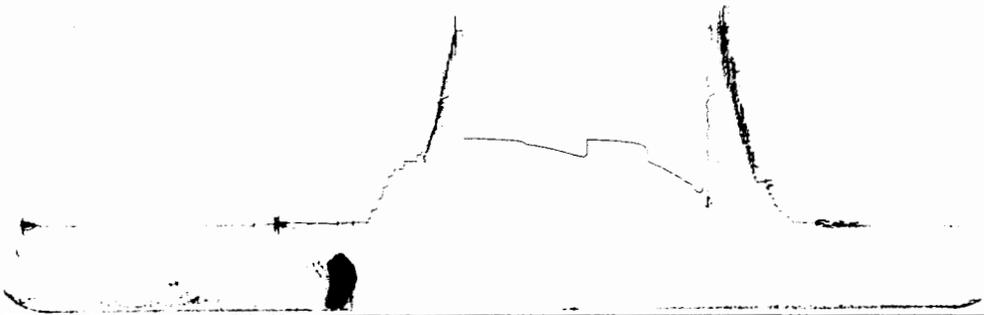
JK # 9584
I



Inside Recorder

3354

JK # 9584
O



Outside Recorder