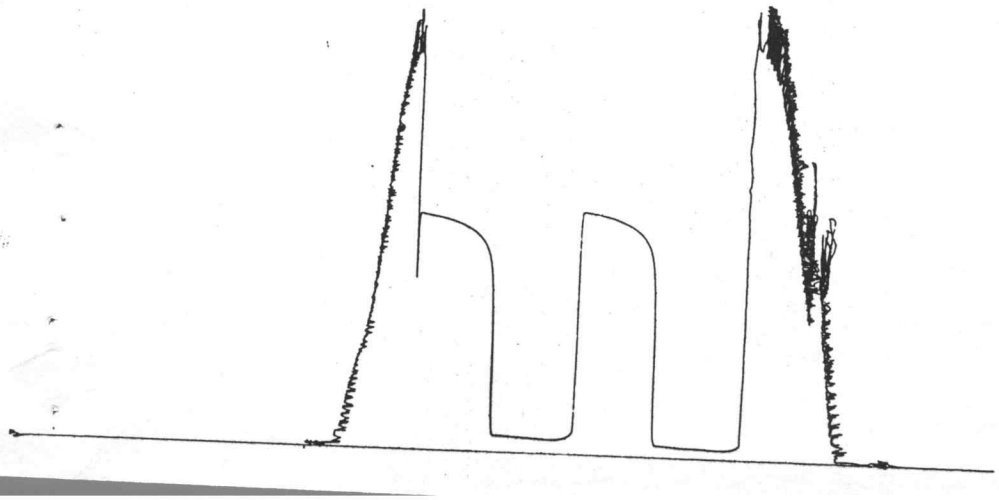
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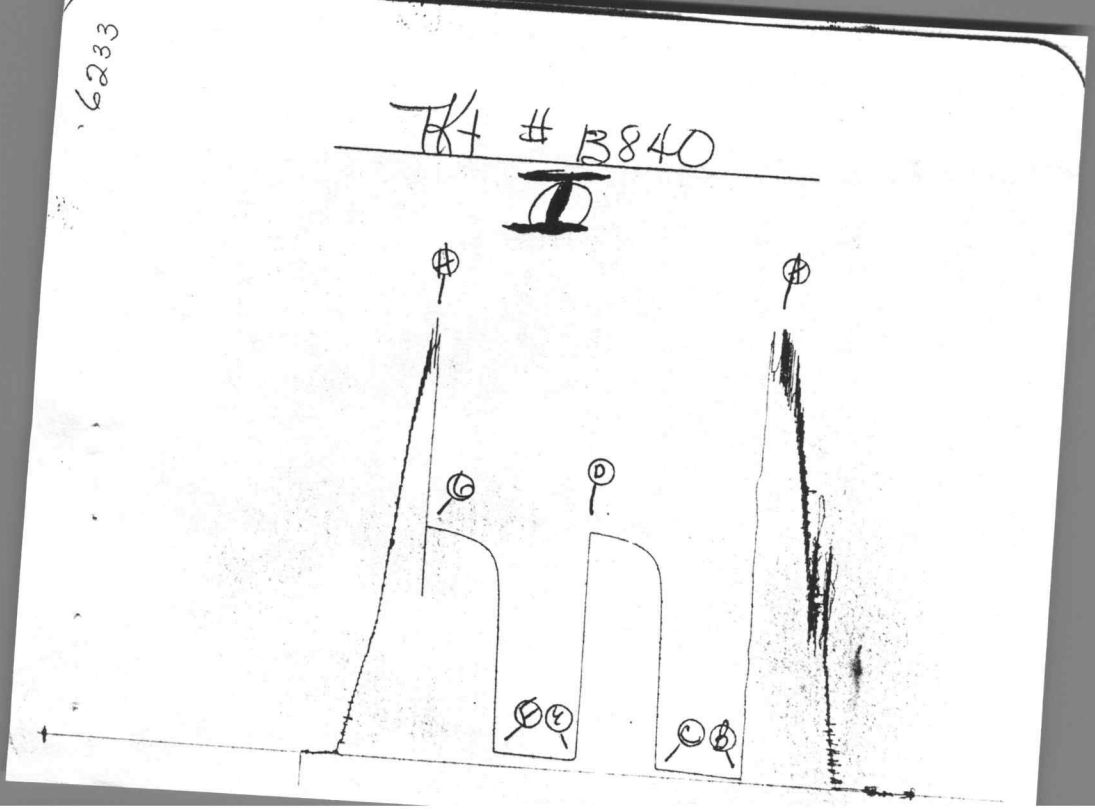
TK+ # 13840

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6233

TK1 # 3840



COMPANY BEREN CORPORATION LEASE & WELL NO. ELAINE #4 SEC. 3 TWP. 12S RGE. 34W TEST NO. 1 DATE 10/22/88

FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

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

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	: 10-22-88			TICKET	: 13840
CUSTOMER	: BEREN CORPORATION			LEASE	: ELAINE
WELL	: #4 TEST: 1			GEOLOGIST	: P S HOUSTON
ELEVATION	: 3210 GS			FORMATION	: -
SECTION	: 3			TOWNSHIP	: 12S
RANGE	: 34W	COUNTY	: LOGAN	STATE	: KANSAS
GAUGE SN#	: 6233	RANGE	: 4000	CLOCK	: 12

INTERVAL FROM	: 4271	TO	: 4308	TOTAL DEPTH	: 4308
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 4266	SIZE	: 6.75		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	: 4271	SIZE	: 6.75		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: BEREDCO RIG 3		
MUD TYPE	: CHEMICAL	VISCOSITY	: 50
WEIGHT	: 9.6	WATER LOSS (CC)	: 17
CHLORIDES (PPM)	: 4000		
JARS-MAKE	: NO	SERIAL NUMBER	:
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 0	FT	I.D. inch	: 0.00	
WEIGHT PIPE LENGTH	: 828	FT	I.D. inch	: 3.20	
DRILL PIPE LENGTH	: 3420	FT	I.D. inch	: 3.80	
TEST TOOL LENGTH	: 23	FT	TOOL SIZE	: 5.50	
ANCHOR LENGTH	: 37	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 STEADY BLOW-3/4" IN WATER.
BLOW COMMENT #2 : FINAL FLOW-WEAK BLOW-1/2" IN WATER.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 95 FT OF: MUDDY WATER
75% WATER-35% MUD

CHLORIDES: 30000 PPM

Total Barrels Fluid = 0.94
Total Fluid Prod Rate = 11.34 BFPD
Indicated Wtr Rate = 9.07 BWPD

REMARK 1 :
REMARK 2 : RW ON REC. WATER .3 @ 65 DEG.F.
REMARK 3 : RW ON PIT MUD 2.0 @ 65 DEG.F.
REMARK 4 :

SET PACKER(S) : 3:20 AM TIME STARTED OFF BOTTOM : 7:20 AM
WELL TEMPERATURE : 124

INITIAL HYDROSTATIC PRESSURE			(A)	2221	
INITIAL FLOW PERIOD	MIN:	60	(B)	18	PSI TO (C) : 38
INITIAL CLOSED IN PERIOD	MIN:	60	(D)	1249	
FINAL FLOW PERIOD	MIN:	60	(E)	56	PSI TO (F) : 69
FINAL CLOSED IN PERIOD	MIN:	60	(G)	1222	
FINAL HYDROSTATIC PRESSURE			(H)	2161	

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY	: BEREN CORPORATION
RIG	: LOGAN-KANSAS
FIELD	: ELAINE
WELL	: #4
DATE	: 10-22-88
GAUGE NO	: 6233

OPERATIONAL COMMENTS

RW ON REC. WATER .3 @ 65 DEG.F.
RW ON PIT MUD 2.0 @ 65 DEG.F.

COMPANY : BEREN CORPORATION
WELL : #4
GAUGE # : 6233
DATE : 22/10/88

FIELD : ELAINE
JOB # : 13840
DEPTH : 4308
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
	INITIAL FLOW				
2	3:20: 0	0.000	18.000	124.00	0.000
3	3:24:59	0.083	18.000	124.00	0.000
4	3:30: 0	0.167	19.000	124.00	1.000
5	3:35: 0	0.250	20.000	124.00	1.000
6	3:39:59	0.333	22.000	124.00	2.000
7	3:45: 0	0.417	24.000	124.00	2.000
8	3:50: 0	0.500	26.000	124.00	2.000
9	3:54:59	0.583	28.000	124.00	2.000
10	4: 0: 0	0.667	30.000	124.00	2.000
11	4: 5: 0	0.750	33.000	124.00	3.000
12	4: 9:59	0.833	35.000	124.00	2.000
13	4:15: 0	0.917	37.000	124.00	2.000
14	4:20: 0	1.000	38.000	124.00	1.000
	INITIAL SHUT-IN				
15	4:23: 0	1.050	695.000	124.00	657.000
16	4:26: 0	1.100	988.000	124.00	293.000
17	4:29: 0	1.150	1079.000	124.00	91.000
18	4:32: 0	1.200	1125.000	124.00	46.000
19	4:35: 0	1.250	1148.000	124.00	23.000
20	4:38: 0	1.300	1168.000	124.00	20.000
21	4:41: 0	1.350	1182.000	124.00	14.000
22	4:44: 0	1.400	1193.000	124.00	11.000
23	4:47: 0	1.450	1204.000	124.00	11.000
24	4:50: 0	1.500	1210.000	124.00	6.000
25	4:53: 0	1.550	1218.000	124.00	8.000
26	4:56: 0	1.600	1224.000	124.00	6.000
27	4:59: 0	1.650	1228.000	124.00	4.000
28	5: 2: 0	1.700	1232.000	124.00	4.000
29	5: 5: 0	1.750	1236.000	124.00	4.000
30	5: 8: 0	1.800	1239.000	124.00	3.000
31	5:11: 0	1.850	1242.000	124.00	3.000
32	5:14: 0	1.900	1245.000	124.00	3.000
33	5:17: 0	1.950	1247.000	124.00	2.000
34	5:20: 0	2.000	1249.000	124.00	2.000
	FINAL FLOW				
35	5:21: 0	2.017	56.000	124.00	-1193.000
36	5:24:59	2.083	56.000	124.00	0.000
37	5:30: 0	2.167	57.000	124.00	1.000
38	5:35: 0	2.250	57.000	124.00	0.000
39	5:39:59	2.333	58.000	124.00	1.000
40	5:45: 0	2.417	59.000	124.00	1.000
41	5:50: 0	2.500	60.000	124.00	1.000
42	5:54:59	2.583	61.000	124.00	1.000
43	6: 0: 0	2.667	62.000	124.00	1.000
44	6: 5: 0	2.750	64.000	124.00	2.000
45	6: 9:59	2.833	66.000	124.00	2.000
46	6:15: 0	2.917	68.000	124.00	2.000
47	6:20: 0	3.000	69.000	124.00	1.000
	FINAL SHUT-IN				
48	6:23: 0	3.050	641.000	124.00	572.000

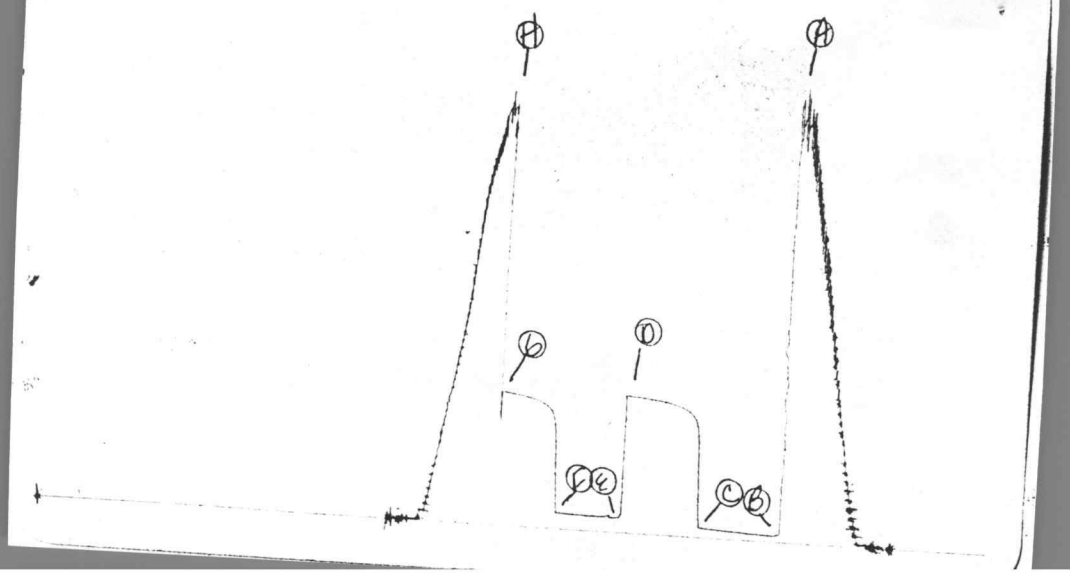
COMPANY : BEREN CORPORATION
WELL : #4
GAUGE # : 6233
DATE : 22/10/88

FIELD : ELAINE
JOB # : 13840
DEPTH : 4308
TEST :

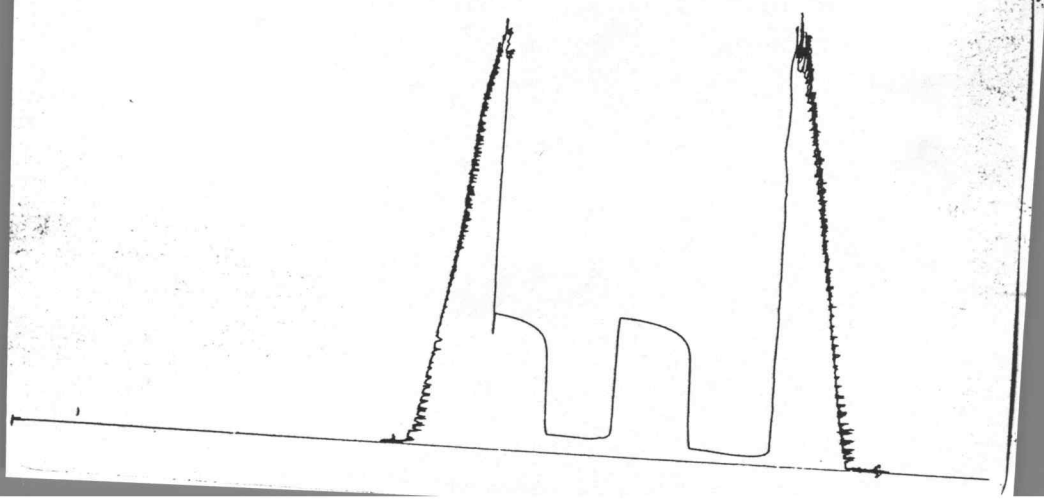
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	6:26: 0	3.100	964.000	124.00	323.000
50	6:29: 0	3.150	1055.000	124.00	91.000
51	6:32: 0	3.200	1095.000	124.00	40.000
52	6:35: 0	3.250	1123.000	124.00	28.000
53	6:38: 0	3.300	1140.000	124.00	17.000
54	6:41: 0	3.350	1152.000	124.00	12.000
55	6:44: 0	3.400	1163.000	124.00	11.000
56	6:47: 0	3.450	1172.000	124.00	9.000
57	6:50: 0	3.500	1180.000	124.00	8.000
58	6:53: 0	3.550	1186.000	124.00	6.000
59	6:56: 0	3.600	1193.000	124.00	7.000
60	6:59: 0	3.650	1197.000	124.00	4.000
61	7: 2: 0	3.700	1202.000	124.00	5.000
62	7: 5: 0	3.750	1208.000	124.00	6.000
63	7: 8: 0	3.800	1212.000	124.00	4.000
64	7:11: 0	3.850	1215.000	124.00	3.000
65	7:14: 0	3.900	1218.000	124.00	3.000
66	7:17: 0	3.950	1220.000	124.00	2.000
67	7:20: 0	4.000	1222.000	124.00	2.000

JK # 13841

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TKT # 13841



COMPANY BEREN CORPORATION LEASE & WELL NO. ELAINE #4 SEC. 3 TWP. 12S RGE. 34W TEST NO. 2 DATE 10-22-88

FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

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

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	: 10-22-88			TICKET	: 13841
CUSTOMER	: BEREN CORPORATION			LEASE	: ELAINE
WELL	: #4 TEST: 2			GEOLOGIST	: P S HOUSTON
ELEVATION	: 3210 GS			FORMATION	: -
SECTION	: 3			TOWNSHIP	: 12S
RANGE	: 34W	COUNTY	: LOGAN	STATE	: KANAS
GAUGE SN#	: 6233	RANGE	: 4000	CLOCK	: 12

INTERVAL FROM	: 4310	TO	: 4345	TOTAL DEPTH	: 4345
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	: 4305	SIZE	: 6.75		
PACKER DEPTH	: 4310	SIZE	: 6.75		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: BEREDCO RIG 3		
MUD TYPE	: CHEMICAL	VISCOSITY	: 55
WEIGHT	: 9.5	WATER LOSS (CC)	: 10
CHLORIDES (PPM)	: 4000		
JARS-MAKE	: NO	SERIAL NUMBER	:
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 0	FT	I.D. inch	: 0.00	
WEIGHT PIPE LENGTH	: 828	FT	I.D. inch	: 3.20	
DRILL PIPE LENGTH	: 3459	FT	I.D. inch	: 3.80	
TEST TOOL LENGTH	: 23	FT	TOOL SIZE	: 5.50	
ANCHOR LENGTH	: 35	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 STEADY BLOW-1/2" IN WATER.
BLOW COMMENT #2 : FINAL FLOW-NO BLOW.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 100 FT OF: MUDDY WATER (60% WTR-40% MUD)

Total Barrels Fluid = 0.99
Total Fluid Prod Rate = 13.02 BFPD
Indicated Wtr Rate = 8.33 BWPD

REMARK 1 :
REMARK 2 : CHLORIDES: 38000 PPM
REMARK 3 : RW .3 @ 60 DEG.F.
REMARK 4 : RW ON PIT MUD 2.0 @ 65 DEG.F.

SET PACKER(S) : 5:00 PM TIME STARTED OFF BOTTOM : 8:30 PM
WELL TEMPERATURE : 124

INITIAL HYDROSTATIC PRESSURE			(A)	2167		
INITIAL FLOW PERIOD	MIN:	60	(B)	34	PSI TO (C) :	52
INITIAL CLOSED IN PERIOD	MIN:	60	(D)	717		
FINAL FLOW PERIOD	MIN:	50	(E)	81	PSI TO (F) :	87
FINAL CLOSED IN PERIOD	MIN:	45	(G)	699		
FINAL HYDROSTATIC PRESSURE			(H)	2161		

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY	:	BEREN CORPORATION
RIG	:	LOGAN-KANAS
FIELD	:	ELAINE
WELL	:	#4
DATE	:	10-22-88
GAUGE NO	:	6233

OPERATIONAL COMMENTS

CHLORIDES: 38000 PPM
RW .3 @ 60 DEG.F.
RW ON PIT MUD 2.0 @ 65 DEG.F.

COMPANY : BEREN CORPORATION
WELL : #4
GAUGE # : 6233
DATE : 22/10/88

FIELD : ELAINE
JOB # : 13841
DEPTH : 4345
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
	INITIAL FLOW				
2	5: 0: 0	0.000	34.000	124.00	0.000
3	5: 4:59	0.083	34.000	124.00	0.000
4	5:10: 0	0.167	34.000	124.00	0.000
5	5:15: 0	0.250	35.000	124.00	1.000
6	5:19:59	0.333	37.000	124.00	2.000
7	5:25: 0	0.417	39.000	124.00	2.000
8	5:30: 0	0.500	41.000	124.00	2.000
9	5:34:59	0.583	43.000	124.00	2.000
10	5:40: 0	0.667	45.000	124.00	2.000
11	5:45: 0	0.750	47.000	124.00	2.000
12	5:49:59	0.833	49.000	124.00	2.000
13	5:55: 0	0.917	51.000	124.00	2.000
14	6: 0: 0	1.000	52.000	124.00	1.000
	INITIAL SHUT-IN				
15	6: 2:59	1.050	492.000	124.00	440.000
16	6: 6: 0	1.100	605.000	124.00	113.000
17	6: 9: 0	1.150	633.000	124.00	28.000
18	6:12: 0	1.200	653.000	124.00	20.000
19	6:15: 0	1.250	665.000	124.00	12.000
20	6:18: 0	1.300	673.000	124.00	8.000
21	6:21: 0	1.350	681.000	124.00	8.000
22	6:24: 0	1.400	686.000	124.00	5.000
23	6:27: 0	1.450	691.000	124.00	5.000
24	6:30: 0	1.500	695.000	124.00	4.000
25	6:33: 0	1.550	699.000	124.00	4.000
26	6:36: 0	1.600	703.000	124.00	4.000
27	6:39: 0	1.650	705.000	124.00	2.000
28	6:42: 0	1.700	707.000	124.00	2.000
29	6:45: 0	1.750	708.000	124.00	1.000
30	6:48: 0	1.800	710.000	124.00	2.000
31	6:51: 0	1.850	712.000	124.00	2.000
32	6:54: 0	1.900	714.000	124.00	2.000
33	6:57: 0	1.950	716.000	124.00	2.000
34	7: 0: 0	2.000	717.000	124.00	1.000
	FINAL FLOW				
35	7: 1: 0	2.017	81.000	124.00	-636.000
36	7: 4:59	2.083	81.000	124.00	0.000
37	7:10: 0	2.167	88.000	124.00	7.000
38	7:15: 0	2.250	82.000	124.00	-6.000
39	7:19:59	2.333	82.000	124.00	0.000
40	7:25: 0	2.417	82.000	124.00	0.000
41	7:30: 0	2.500	83.000	124.00	1.000
42	7:34:59	2.583	84.000	124.00	1.000
43	7:40: 0	2.667	85.000	124.00	1.000
44	7:45: 0	2.750	86.000	124.00	1.000
45	7:49:59	2.833	87.000	124.00	1.000
	FINAL SHUT-IN				
46	7:52:59	2.883	495.000	124.00	408.000
47	7:55:59	2.933	601.000	124.00	106.000
48	7:58:59	2.983	629.000	124.00	28.000

COMPANY : BEREN CORPORATION
WELL : #4
GAUGE # : 6233
DATE : 22/10/88

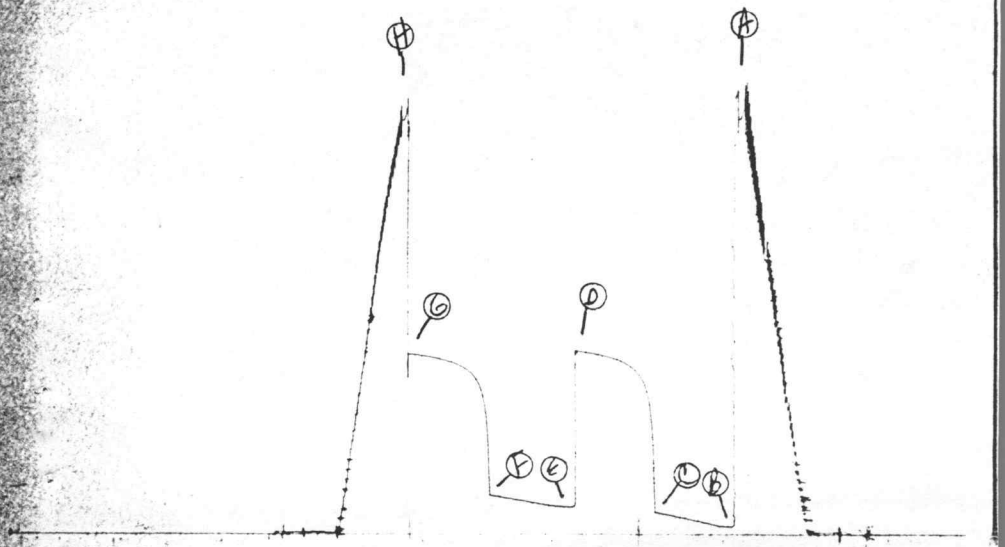
FIELD : ELAINE
JOB # : 13841
DEPTH : 4345
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	8: 1:59	3.033	645.000	124.00	16.000
50	8: 4:59	3.083	657.000	124.00	12.000
51	8: 7:59	3.133	665.000	124.00	8.000
52	8:10:59	3.183	672.000	124.00	7.000
53	8:13:59	3.233	677.000	124.00	5.000
54	8:16:59	3.283	682.000	124.00	5.000
55	8:19:59	3.333	687.000	124.00	5.000
56	8:22:59	3.383	689.000	124.00	2.000
57	8:25:59	3.433	691.000	124.00	2.000
58	8:28:59	3.483	694.000	124.00	3.000
59	8:31:59	3.533	697.000	124.00	3.000
60	8:34:59	3.583	699.000	124.00	2.000

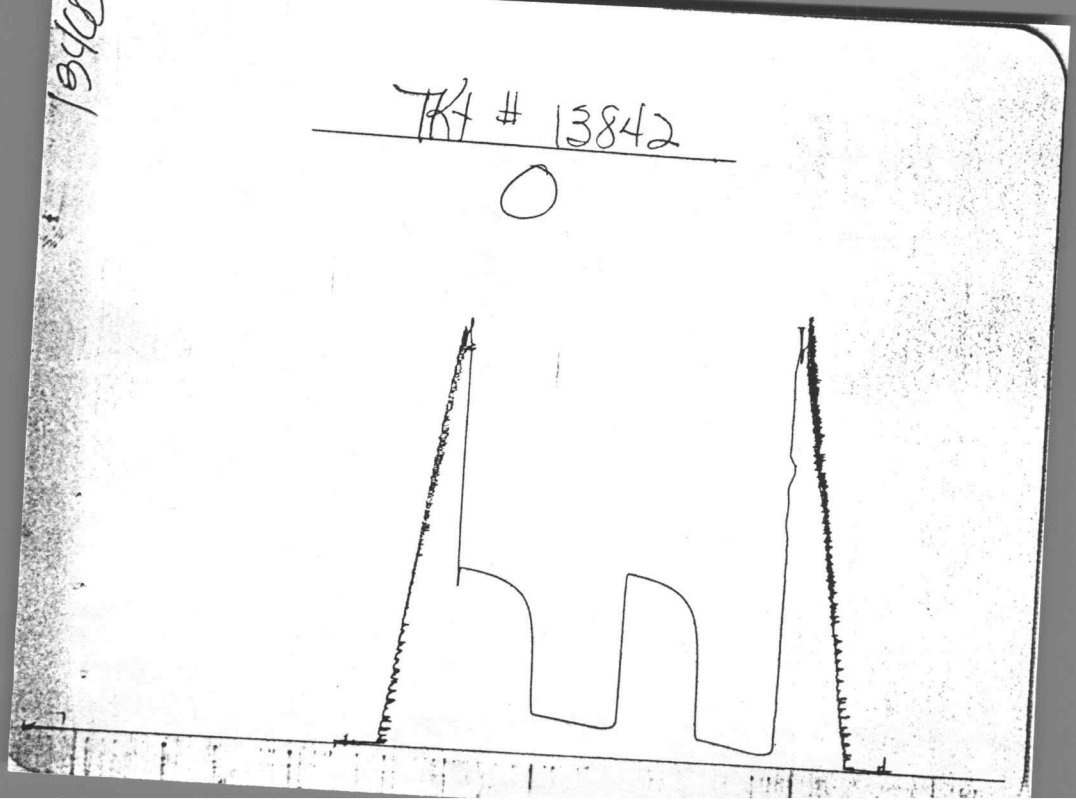
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TKT # 13842

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TK # 13842



COMPANY BEREN CORPORATION LEASE & WELL NO. ELAINE #4 SEC. 3 TWP. 12S RGE. 34W TEST NO. 3 DATE 10/23/99

FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

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

RECOVERED : 2 FT OF: OIL
RECOVERED : 30 FT OF: MUD
RECOVERED : 460 FT OF: WATER-FEW OIL SPOTS (LESS THAN 1%)

CHLORIDES: 30000 PPM

Total Barrels Fluid = 4.89
Total Fluid Prod Rate = 56.38 BFPD
Indicated Oil Rate = 0.69 BOPD
Indicated Wtr Rate = 45.83 BWPD

REMARK 1 :
REMARK 2 : RW (WATER) .2 @ 65 DEG.F.
REMARK 3 : RW (MUD) 2.0 @ 65 DEG.F.
REMARK 4 :

SET PACKER(S) : 6:30 AM TIME STARTED OFF BOTTOM : 10:30 AM
WELL TEMPERATURE : 124

INITIAL HYDROSTATIC PRESSURE			(A)	2171	
INITIAL FLOW PERIOD	MIN:	60	(B)	42	PSI TO (C) : 118
INITIAL CLOSED IN PERIOD	MIN:	60	(D)	975	
FINAL FLOW PERIOD	MIN:	65	(E)	147	PSI TO (F) : 209
FINAL CLOSED IN PERIOD	MIN:	60	(G)	958	
FINAL HYDROSTATIC PRESSURE			(H)	2161	

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	: 10-23-88	TICKET	: 13842
CUSTOMER	: BEREN CORPORATION	LEASE	: ELAINE
WELL	: #4 TEST: 3	GEOLOGIST	: P S HOUSTON
ELEVATION	: 3210 GS	FORMATION	: -
SECTION	: 3	TOWNSHIP	: 12S
RANGE	: 34W COUNTY : LOGAN	STATE	: KANSAS
GAUGE SN#	: 6233 RANGE : 4000	CLOCK	: 12

INTERVAL FROM	: 4350	TO	: 4390	TOTAL DEPTH	: 4390
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 4345	SIZE	: 6.75		
PACKER DEPTH	: 4350	SIZE	: 6.75		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: BEREDCO RIG 3		
MUD TYPE	: CHEMICAL	VISCOSITY	: 42
WEIGHT	: 9.5	WATER LOSS (CC)	: 11
CHLORIDES (PPM)	: 6000		
JARS-MAKE	: NO	SERIAL NUMBER	:
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 0	FT	I.D. inch	: 0.00	
WEIGHT PIPE LENGTH	: 828	FT	I.D. inch	: 3.20	
DRILL PIPE LENGTH	: 3499	FT	I.D. inch	: 3.80	
TEST TOOL LENGTH	: 23	FT	TOOL SIZE	: 5.50	
ANCHOR LENGTH	: 40	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-FAIR BLOW-4" IN WATER.
BLOW COMMENT #2 : FINAL FLOW-WEAK BLOW-1" IN WATER.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY	: BEREN CORPORATION
RIG	: LOGAN-KANSAS
FIELD	: ELAINE
WELL	: #4
DATE	: 10-23-88
GAUGE NO	: 6233

OPERATIONAL COMMENTS

RW (WATER) .2 @ 65 DEG.F.
RW (MUD) 2.0 @ 65 DEG.F.

COMPANY : BEREN CORPORATION
WELL : #4
GAUGE # : 6233
DATE : 23/10/88

FIELD : ELAINE
JOB # : 13842
DEPTH : 4390
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
	INITIAL FLOW				
2	6:30: 0	0.000	42.000	124.00	0.000
3	6:34:59	0.083	42.000	124.00	0.000
4	6:40: 0	0.167	43.000	124.00	1.000
5	6:45: 0	0.250	50.000	124.00	7.000
6	6:49:59	0.333	60.000	124.00	10.000
7	6:55: 0	0.417	69.000	124.00	9.000
8	7: 0: 0	0.500	77.000	124.00	8.000
9	7: 4:59	0.583	85.000	124.00	8.000
10	7:10: 0	0.667	93.000	124.00	8.000
11	7:15: 0	0.750	100.000	124.00	7.000
12	7:19:59	0.833	107.000	124.00	7.000
13	7:25: 0	0.917	113.000	124.00	6.000
14	7:30: 0	1.000	118.000	124.00	5.000
	INITIAL SHUT-IN				
15	7:33: 0	1.050	575.000	124.00	457.000
16	7:36: 0	1.100	723.000	124.00	148.000
17	7:39: 0	1.150	796.000	124.00	73.000
18	7:42: 0	1.200	838.000	124.00	42.000
19	7:45: 0	1.250	868.000	124.00	30.000
20	7:48: 0	1.300	886.000	124.00	18.000
21	7:51: 0	1.350	900.000	124.00	14.000
22	7:54: 0	1.400	914.000	124.00	14.000
23	7:57: 0	1.450	924.000	124.00	10.000
24	8: 0: 0	1.500	932.000	124.00	8.000
25	8: 3: 0	1.550	939.000	124.00	7.000
26	8: 6: 0	1.600	944.000	124.00	5.000
27	8: 9: 0	1.650	950.000	124.00	6.000
28	8:12: 0	1.700	955.000	124.00	5.000
29	8:15: 0	1.750	960.000	124.00	5.000
30	8:18: 0	1.800	963.000	124.00	3.000
31	8:21: 0	1.850	969.000	124.00	6.000
32	8:24: 0	1.900	971.000	124.00	2.000
33	8:27: 0	1.950	973.000	124.00	2.000
34	8:30: 0	2.000	975.000	124.00	2.000
	FINAL FLOW				
35	8:31: 0	2.017	147.000	124.00	-828.000
36	8:34:59	2.083	147.000	124.00	0.000
37	8:40: 0	2.167	148.000	124.00	1.000
38	8:45: 0	2.250	151.000	124.00	3.000
39	8:49:59	2.333	155.000	124.00	4.000
40	8:55: 0	2.417	160.000	124.00	5.000
41	9: 0: 0	2.500	166.000	124.00	6.000
42	9: 4:59	2.583	172.000	124.00	6.000
43	9:10: 0	2.667	180.000	124.00	8.000
44	9:15: 0	2.750	186.000	124.00	6.000
45	9:19:59	2.833	193.000	124.00	7.000
46	9:25: 0	2.917	199.000	124.00	6.000
47	9:30: 0	3.000	205.000	124.00	6.000
48	9:34:59	3.083	209.000	124.00	4.000

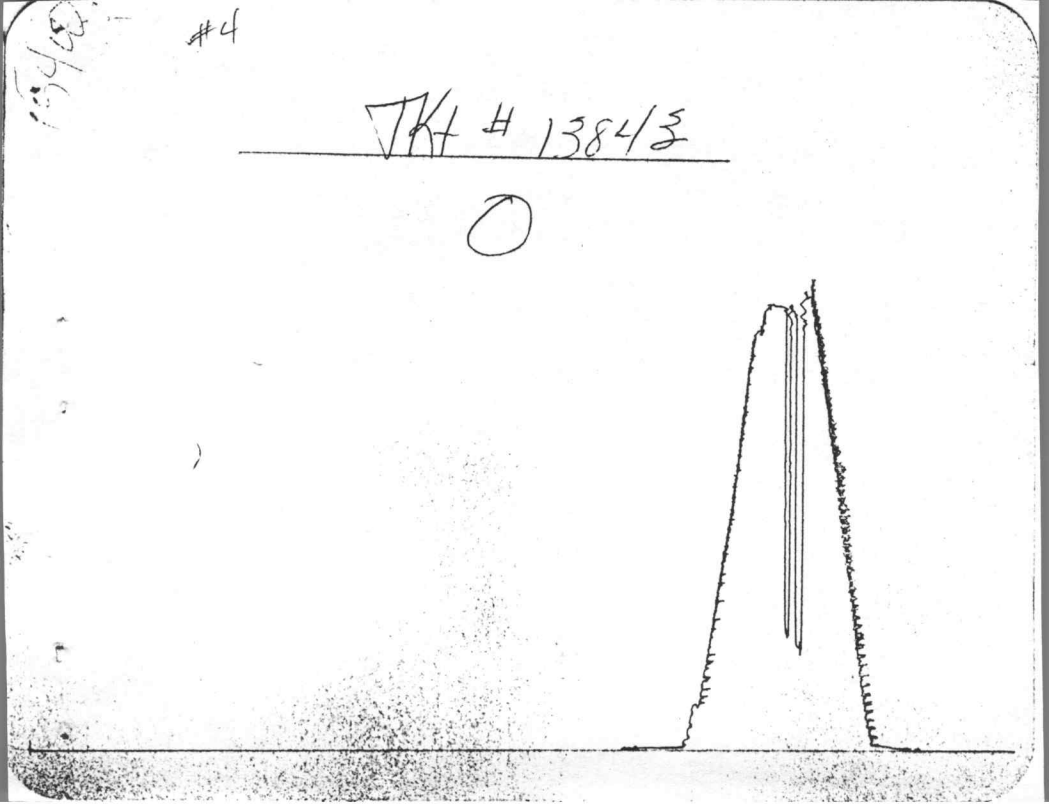
COMPANY : BEREN CORPORATION
WELL : #4
GAUGE # : 6233
DATE : 23/10/88

FIELD : ELAINE
JOB # : 13842
DEPTH : 4390
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
FINAL SHUT-IN					
49	9:37:59	3.133	647.000	124.00	438.000
50	9:40:59	3.183	750.000	124.00	103.000
51	9:43:59	3.233	806.000	124.00	56.000
52	9:46:59	3.283	841.000	124.00	35.000
53	9:49:59	3.333	862.000	124.00	21.000
54	9:52:59	3.383	878.000	124.00	16.000
55	9:55:59	3.433	892.000	124.00	14.000
56	9:58:59	3.483	902.000	124.00	10.000
57	10: 1:59	3.533	912.000	124.00	10.000
58	10: 4:59	3.583	918.000	124.00	6.000
59	10: 7:59	3.633	925.000	124.00	7.000
60	10:10:59	3.683	930.000	124.00	5.000
61	10:13:59	3.733	936.000	124.00	6.000
62	10:16:59	3.783	940.000	124.00	4.000
63	10:19:59	3.833	944.000	124.00	4.000
64	10:22:59	3.883	948.000	124.00	4.000
65	10:25:59	3.933	952.000	124.00	4.000
66	10:28:59	3.983	954.000	124.00	2.000
67	10:31:59	4.033	956.000	124.00	2.000
68	10:34:59	4.083	958.000	124.00	2.000

#4

TKT # 138413

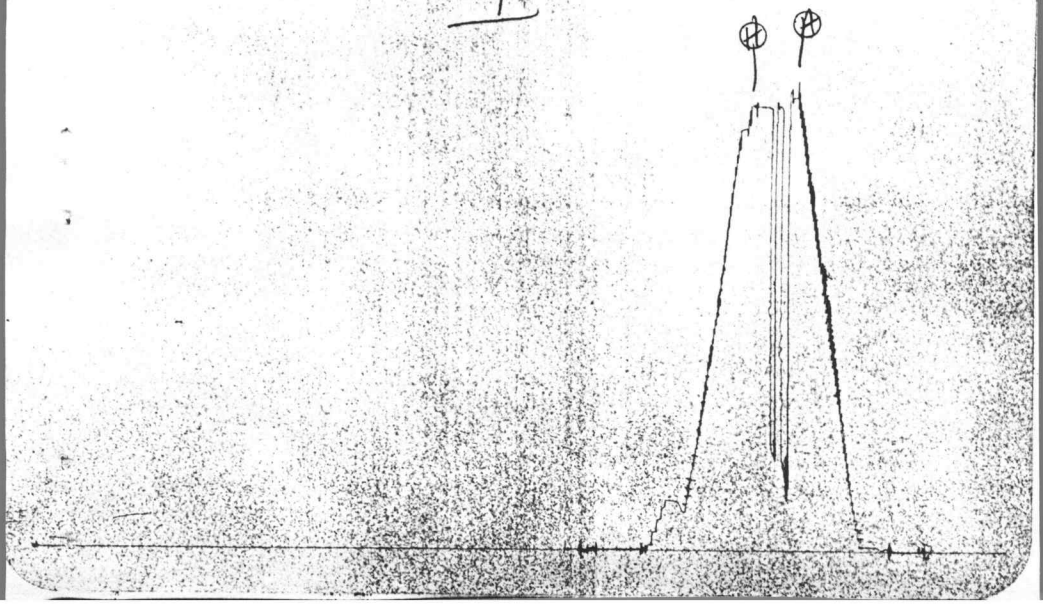


6233

#4

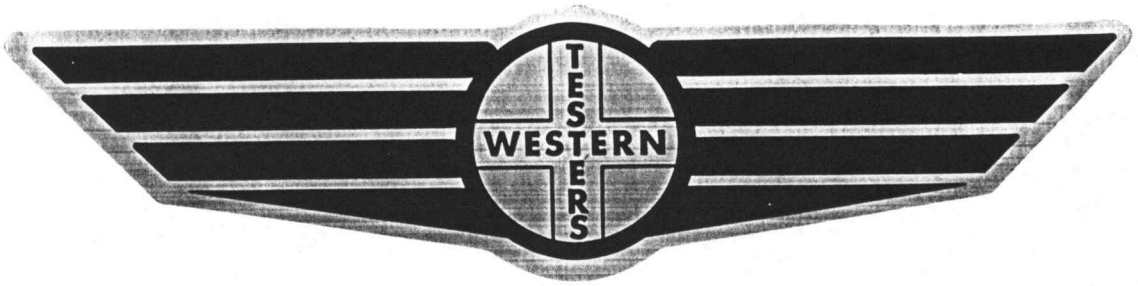
JK # 13843

I



COMPANY BEREN CORPORATION LEASE & WELL NO. ELAINE #4 SEC. 3 TWP. 12S RGE. 34W TEST NO. 4 DATE 10/25/88

FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

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

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	: 10-25-88			TICKET	: 13843
CUSTOMER	: BEREN CORPORATION			LEASE	: ELAINE
WELL	: #4	TEST: 4		GEOLOGIST	: D CLARK
ELEVATION	: 3210 GS			FORMATION	: -
SECTION	: 3			TOWNSHIP	: 12S
RANGE	: 34W	COUNTY	: LOGAN	STATE	: KANSAS
GAUGE SN#	: 6233	RANGE	: 4000	CLOCK	: 12

INTERVAL FROM	: 4662	TO	: 4745	TOTAL DEPTH	: 4745
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 4657	SIZE	: 6.75		
PACKER DEPTH	: 4662	SIZE	: 6.75		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: BEREDCO RIG 3		
MUD TYPE	: CHEMICAL	VISCOSITY	: 52
WEIGHT	: 9.5	WATER LOSS (CC)	: 7
CHLORIDES (PPM)	: 4000		
JARS-MAKE	: NO	SERIAL NUMBER	:
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 0	FT	I.D. inch	: 0.00	
WEIGHT PIPE LENGTH	: 764	FT	I.D. inch	: 3.20	
DRILL PIPE LENGTH	: 3875	FT	I.D. inch	: 3.80	
TEST TOOL LENGTH	: 23	FT	TOOL SIZE	: 5.50	
ANCHOR LENGTH	: 83	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 : MISRUN PACKER SEAT WOULD NOT HOLD.
BLOW COMMENT #2 :
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 630 FT OF: MUD
RECOVERED : 180 FT OF: OIL CUT MUD
30% OIL-40% MUD-30% WATER

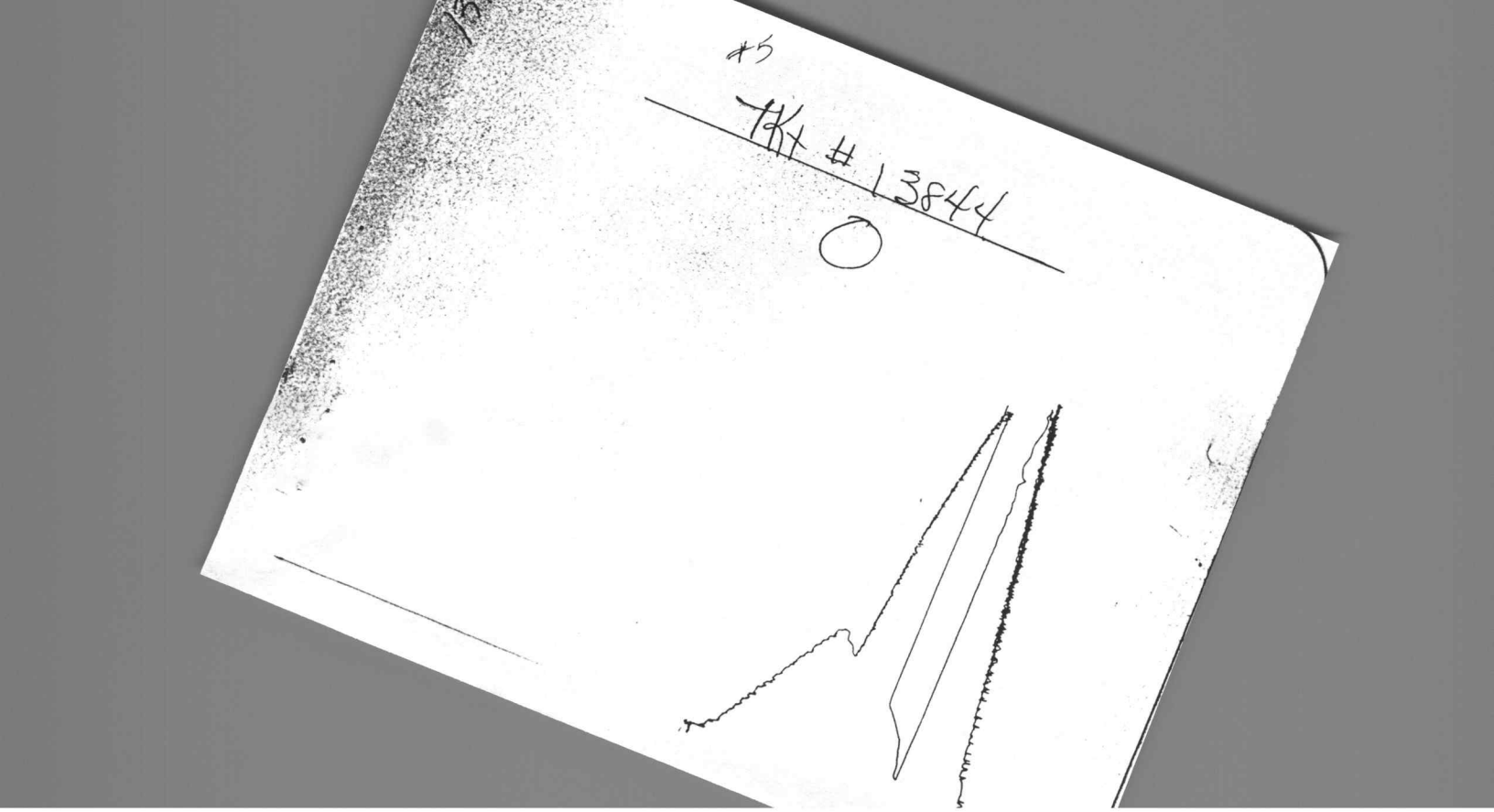
CHLORIDES: 32000 PPM

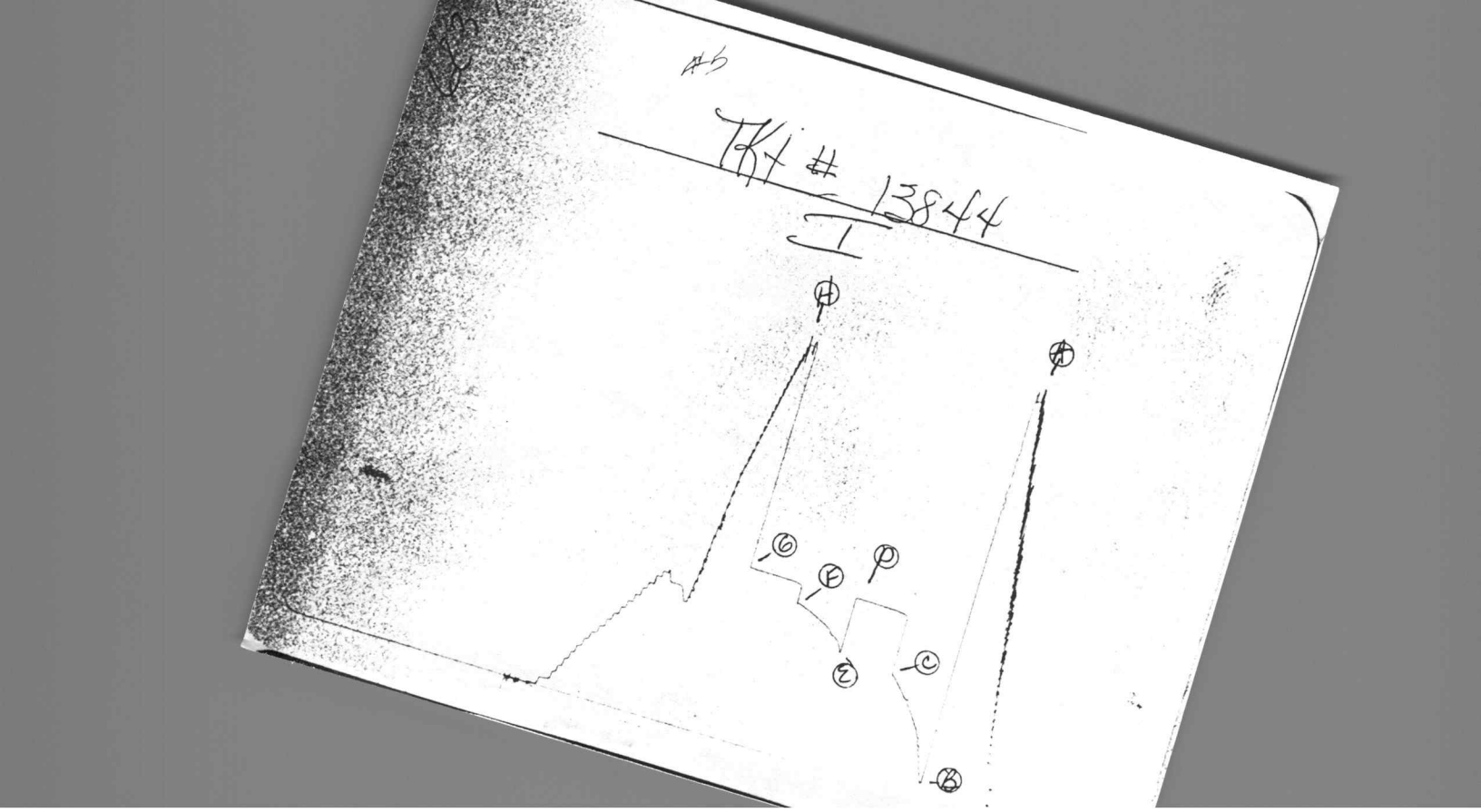
Total Barrels Fluid = 8.24
Total Fluid Prod Rate = 0.00 BFPD

REMARK 1 : MISRUN: PACKER WOULDN'T HOLD.
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 2:20 AM TIME STARTED OFF BOTTOM : 2:35 AM
WELL TEMPERATURE : 0

INITIAL HYDROSTATIC PRESSURE			(A)	2358		
INITIAL FLOW PERIOD	MIN:	0	(B)	0	PSI TO (C) :	0
INITIAL CLOSED IN PERIOD	MIN:	0	(D)	0		
FINAL FLOW PERIOD	MIN:	0	(E)	0	PSI TO (F) :	0
FINAL CLOSED IN PERIOD	MIN:	0	(G)	0		
FINAL HYDROSTATIC PRESSURE			(H)	2324		


#5
TKT # 13844


#5
TK # 13844
1
A
A
G
E
D
F
C
B

COMPANY BEREN CORPORATION LEASE & WELL NO. ELAINE #4 SEC. 3 TWP. 12S RGE. 34W TEST NO. 5 DATE 10/25/88

FORMATION TEST REPORT



Home Office:

P.O. Box 1599

Wichita, Kansas 67201

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	: 10-25-88	TICKET	: 13844
CUSTOMER	: BEREN CORPORATION	LEASE	: ELAINE
WELL	: #4 TEST: 5	GEOLOGIST	: D CLARK
ELEVATION	: 3210 GS	FORMATION	: JOHNSON
SECTION	: 3	TOWNSHIP	: 12S
RANGE	: 34W COUNTY : LOGAN	STATE	: KANSAS
GAUGE SN#	: 6233 RANGE : 4000	CLOCK	: 12

INTERVAL FROM	: 4678	TO	: 4745	TOTAL DEPTH	: 4745
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 4673	SIZE	: 6.75		
PACKER DEPTH	: 4678	SIZE	: 6.75		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: BEREDCO RIG 3		
MUD TYPE	: CHEMICAL	VISCOSITY	: 52
WEIGHT	: 9.5	WATER LOSS (CC)	: 7
CHLORIDES (PPM)	: 4000		
JARS-MAKE	: NO	SERIAL NUMBER	:
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 0	FT	I.D. inch	: 0.00	
WEIGHT PIPE LENGTH	: 797	FT	I.D. inch	: 3.20	
DRILL PIPE LENGTH	: 3858	FT	I.D. inch	: 3.80	
TEST TOOL LENGTH	: 23	FT	TOOL SIZE	: 5.50	
ANCHOR LENGTH	: 67	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-STRONG BLOW-BOTTOM OF BUCKET IN 3 MINUTES
BLOW COMMENT #2 : FINAL FLOW-STRONG BLWO-BOTTOM OF BUCKET IN 10 MINUTES
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 460 FT OF: OIL CUT WATERY MUD
10% OIL-40% WATER-50% MUD
RECOVERED : 1318 FT OF: OIL CUT WATER
5% OIL-95% WATER

CHLORIDES: 40000 PPM

Total Barrels Fluid = 21.69
Total Fluid Prod Rate = 328.73 BFPD
Indicated Oil Rate = 20.71 BOPD
Indicated Wtr Rate = 265.69 BWPD

REMARK 1 :
REMARK 2 : RW (WATER) .2 @ 62 DEG.F.
RW (PIT MUD) 2.5 @ 62 DEG.F.
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 6:40 AM TIME STARTED OFF BOTTOM : 9:40 AM
WELL TEMPERATURE : 133

INITIAL HYDROSTATIC PRESSURE			(A)	2380		
INITIAL FLOW PERIOD	MIN:	50	(B)	94	PSI TO (C) :	645
INITIAL CLOSED IN PERIOD	MIN:	45	(D)	1012		
FINAL FLOW PERIOD	MIN:	45	(E)	683	PSI TO (F) :	888
FINAL CLOSED IN PERIOD	MIN:	45	(G)	1004		
FINAL HYDROSTATIC PRESSURE			(H)	2322		

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY	:	BEREN CORPORATION
RIG	:	LOGAN-KANSAS
FIELD	:	ELAINE
WELL	:	#4
DATE	:	10-25-88
GAUGE NO	:	6233

OPERATIONAL COMMENTS

RW (WATER) .2 @ 62 DEG.F.
RW (PIT MUD) 2.5 @ 62 DEG.F.

COMPANY : BEREN CORPORATION
WELL : #4
GAUGE # : 6233
DATE : 25/10/88

FIELD : ELAINE
JOB # : 13844
DEPTH : 4745
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
	INITIAL FLOW				
2	6:40: 0	0.000	94.000	133.00	0.000
3	6:44:59	0.083	164.000	133.00	70.000
4	6:50: 0	0.167	292.000	133.00	128.000
5	6:55: 0	0.250	360.000	133.00	68.000
6	6:59:59	0.333	420.000	133.00	60.000
7	7: 5: 0	0.417	473.000	133.00	53.000
8	7:10: 0	0.500	523.000	133.00	50.000
9	7:14:59	0.583	556.000	133.00	33.000
10	7:20: 0	0.667	597.000	133.00	41.000
11	7:25: 0	0.750	627.000	133.00	30.000
12	7:29:59	0.833	645.000	133.00	18.000
	INITIAL SHUT-IN				
13	7:32:59	0.883	996.000	133.00	351.000
14	7:35:59	0.933	1003.000	133.00	7.000
15	7:38:59	0.983	1005.000	133.00	2.000
16	7:41:59	1.033	1007.000	133.00	2.000
17	7:44:59	1.083	1008.000	133.00	1.000
18	7:47:59	1.133	1009.000	133.00	1.000
19	7:50:59	1.183	1010.000	133.00	1.000
20	7:53:59	1.233	1011.000	133.00	1.000
21	7:56:59	1.283	1012.000	133.00	1.000
22	7:59:59	1.333	1012.000	133.00	0.000
23	8: 2:59	1.383	1012.000	133.00	0.000
24	8: 5:59	1.433	1012.000	133.00	0.000
25	8: 8:59	1.483	1012.000	133.00	0.000
26	8:11:59	1.533	1012.000	133.00	0.000
27	8:14:59	1.583	1012.000	133.00	0.000
	FINAL FLOW				
28	8:16: 0	1.600	683.000	133.00	-329.000
29	8:19:59	1.667	741.000	133.00	58.000
30	8:25: 0	1.750	762.000	133.00	21.000
31	8:29:59	1.833	798.000	133.00	36.000
32	8:34:59	1.917	816.000	133.00	18.000
33	8:40: 0	2.000	833.000	133.00	17.000
34	8:44:59	2.083	850.000	133.00	17.000
35	8:49:59	2.167	866.000	133.00	16.000
36	8:55: 0	2.250	878.000	133.00	12.000
37	8:59:59	2.333	888.000	133.00	10.000
	FINAL SHUT-IN				
38	9: 2:59	2.383	998.000	133.00	110.000
39	9: 5:59	2.433	1001.000	133.00	3.000
40	9: 8:59	2.483	1002.000	133.00	1.000
41	9:11:59	2.533	1002.000	133.00	0.000
42	9:14:59	2.583	1003.000	133.00	1.000
43	9:17:59	2.633	1003.000	133.00	0.000
44	9:20:59	2.683	1004.000	133.00	1.000
45	9:23:59	2.733	1004.000	133.00	0.000
46	9:26:59	2.783	1004.000	133.00	0.000
47	9:29:59	2.833	1004.000	133.00	0.000
48	9:32:59	2.883	1004.000	133.00	0.000

COMPANY : BEREN CORPORATION
WELL : #4
GAUGE # : 6233
DATE : 25/10/88

FIELD : ELAINE
JOB # : 13844
DEPTH : 4745
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	9:35:59	2.933	1004.000	133.00	0.000
50	9:38:59	2.983	1004.000	133.00	0.000
51	9:41:59	3.033	1004.000	133.00	0.000
52	9:44:59	3.083	1004.000	133.00	0.000

WESTERN TESTING CO. INC.