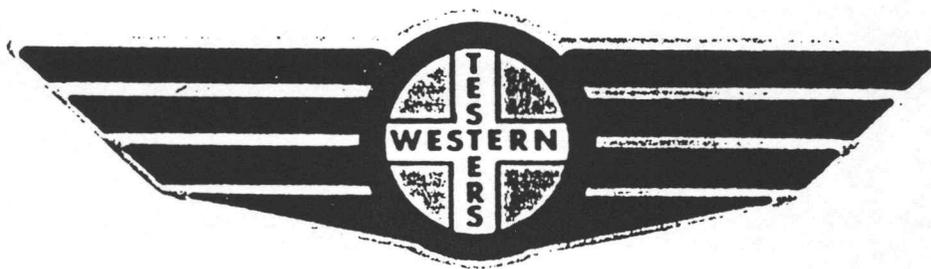


# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 11-22-87 TICKET : 12072  
CUSTOMER : BEREXCO INC. LEASE : HEINITZ  
WELL : #1 TEST: 1 GEOLOGIST : C. SPRADLIN  
ELEVATION : 3310 KB (EST) FORMATION : LANSING "B"  
SECTION : 8 TOWNSHIP : 23S  
RANGE : 37W COUNTY : KEARNY STATE : KANSAS  
GAUGE SN# : 3086 RANGE : 4500 CLOCK : 12

INTERVAL FROM : 3870 TO : 3900 TOTAL DEPTH : 3900  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 3865 SIZE : 6.63  
PACKER DEPTH : 3870 SIZE : 6.63  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : BEREDCO RIG 4  
MUD TYPE : CHEMICAL VISCOSITY : 46  
WEIGHT : 9.1 WATER LOSS (CC) : 12.2  
CHLORIDES (PPM) : 1700  
JARS-MAKE : WTC SERIAL NUMBER : 421  
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 651 FT I.D. inch : 2.25  
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00  
DRILL PIPE LENGTH : 3191 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 28 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 25 MINUTES.  
BLOW COMMENT #2 : FINAL FLOW-WEAK TO GOOD 6" BLOW.  
BLOW COMMENT #3 :  
BLOW COMMENT #4 :



WESTERN TESTING CO. INC.  
WICHITA - KANSAS

Pressure Transient Report

COMPANY : BEREXCO INC.  
RIG : KEARNY-KANSAS  
FIELD : HEINITZ  
WELL : #1  
DATE : 11-22-87  
GAUGE NO : 3086

OPERATIONAL COMMENTS

COMPANY : BEREXCO INC.  
 WELL : #1  
 GAUGE # : 3086  
 DATE : 22/11/87

FIELD : HEINITZ  
 JOB # : 12072  
 DEPTH : 3900  
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P $P_i - P_{(i-1)}$
1	2: 5: 0	0.000	72.000	118.00	0.000
2	2: 9:59	0.083	72.000	118.00	0.000
3	2:15: 0	0.167	87.000	118.00	15.000
4	2:20: 0	0.250	114.000	118.00	27.000
5	2:24:59	0.333	148.000	118.00	34.000
6	2:30: 0	0.417	184.000	118.00	36.000
7	2:35: 0	0.500	208.000	118.00	24.000
8	2:38: 0	0.550	669.000	118.00	461.000
9	2:41: 0	0.600	799.000	118.00	130.000
10	2:44: 0	0.650	836.000	118.00	37.000
11	2:47: 0	0.700	865.000	118.00	29.000
12	2:50: 0	0.750	884.000	118.00	19.000
13	2:53: 0	0.800	897.000	118.00	13.000
14	2:56: 0	0.850	909.000	118.00	12.000
15	2:59: 0	0.900	921.000	118.00	12.000
16	3: 2: 0	0.950	927.000	118.00	6.000
17	3: 5: 0	1.000	932.000	118.00	5.000
18	3: 8: 0	1.050	938.000	118.00	6.000
19	3:11: 0	1.100	943.000	118.00	5.000
20	3:14: 0	1.150	946.000	118.00	3.000
21	3:17: 0	1.200	950.000	118.00	4.000
22	3:20: 0	1.250	955.000	118.00	5.000
23	3:23: 0	1.300	958.000	118.00	3.000
24	3:26: 0	1.350	961.000	118.00	3.000
25	3:29: 0	1.400	963.000	118.00	2.000
26	3:32: 0	1.450	965.000	118.00	2.000
27	3:33: 0	1.467	281.000	118.00	-684.000
28	3:36:59	1.533	281.000	118.00	0.000
29	3:42: 0	1.617	293.000	118.00	12.000
30	3:47: 0	1.700	307.000	118.00	14.000
31	3:51:59	1.783	318.000	118.00	11.000
32	3:57: 0	1.867	328.000	118.00	10.000
33	4: 2: 0	1.950	335.000	118.00	7.000
34	4: 5: 0	2.000	766.000	118.00	431.000
35	4: 8: 0	2.050	824.000	118.00	58.000
36	4:11: 0	2.100	859.000	118.00	35.000
37	4:14: 0	2.150	880.000	118.00	21.000
38	4:17: 0	2.200	895.000	118.00	15.000
39	4:20: 0	2.250	909.000	118.00	14.000
40	4:23: 0	2.300	917.000	118.00	8.000
41	4:26: 0	2.350	927.000	118.00	10.000
42	4:29: 0	2.400	934.000	118.00	7.000
43	4:32: 0	2.450	937.000	118.00	3.000
44	4:35: 0	2.500	941.000	118.00	4.000
45	4:38: 0	2.550	943.000	118.00	2.000
46	4:41: 0	2.600	945.000	118.00	2.000
47	4:44: 0	2.650	947.000	118.00	2.000
48	4:47: 0	2.700	949.000	118.00	2.000
49	4:50: 0	2.750	951.000	118.00	2.000
50	4:53: 0	2.800	954.000	118.00	3.000
51	4:56: 0	2.850	957.000	118.00	3.000
52	4:59: 0	2.900	960.000	118.00	3.000

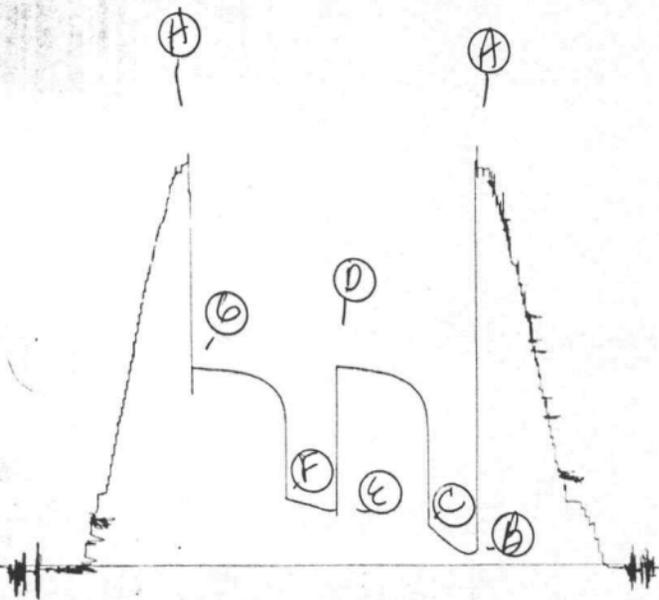
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QK # 12072

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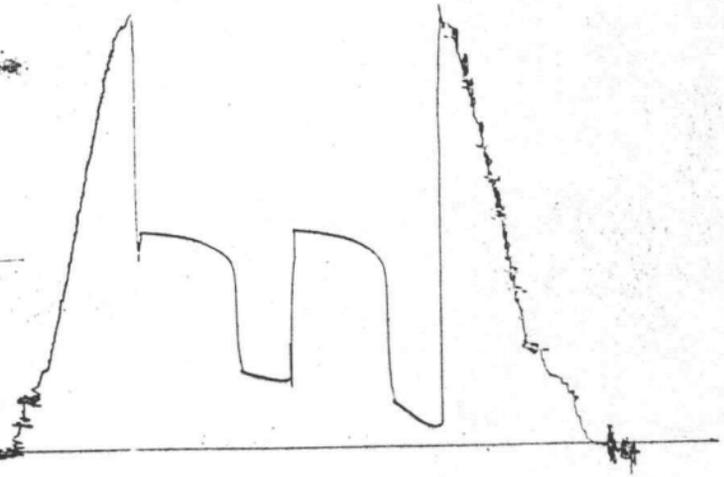


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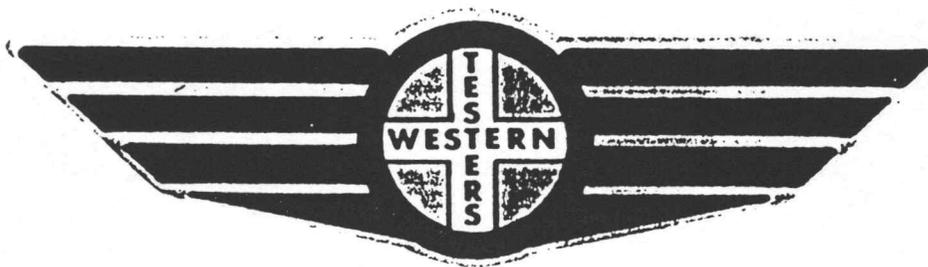
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RT # 12072

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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 : 11-23-87 TICKET : 12073  
CUSTOMER : BEREXCO INC. LEASE : HEINITZ  
WELL : #1 TEST: 2 GEOLOGIST : C. SPRADLIN  
ELEVATION : 3310 KB FORMATION : KANSAS CITY "B"  
SECTION : 8 TOWNSHIP : 23S  
RANGE : 37W COUNTY : KEARNY STATE : KANSAS  
GAUGE SN# : 3086 RANGE : 4500 CLOCK : 12

INTERVAL FROM : 4218 TO : 4266 TOTAL DEPTH : 4266  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 4213 SIZE : 6.63  
PACKER DEPTH : 4218 SIZE : 6.63  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : BEREDCO RIG 4  
MUD TYPE : CHEMICAL VISCOSITY : 47  
WEIGHT : 9.3 WATER LOSS (CC) : 9.2  
CHLORIDES (PPM) : 1510  
JARS-MAKE : WTC SERIAL NUMBER : 421  
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 620 FT I.D. inch : 2.25  
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00  
DRILL PIPE LENGTH : 3570 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 28 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 48 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 FH

BLOW COMMENT #1 : INITIAL FLOW-VERY WEAK BLOW BUILDING TO A WEAK  
2" BLOW.  
BLOW COMMENT #2 : FINAL FLOW-VERY WEAK 1" BLOW.  
BLOW COMMENT #3 :  
BLOW COMMENT #4 :

RECOVERED : 180 FT OF: WATERY MUD (20% WATER)  
CHLORIDES: 28000 PPM  
RW .52 @ 50 DEG.F.

Total Barrels Fluid = 0.89  
Total Fluid Prod Rate = 21.24 BFPD  
Indicated Wtr Rate = 7.08 BWPD

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

SET PACKER(S) : 2:10 AM TIME STARTED OFF BOTTOM : 5:10 AM  
WELL TEMPERATURE : 116  
INITIAL HYDROSTATIC PRESSURE (A) 2070  
INITIAL FLOW PERIOD MIN: 30 (B) 63 PSI TO (C) : 90  
INITIAL CLOSED IN PERIOD MIN: 57 (D) 1051  
FINAL FLOW PERIOD MIN: 30 (E) 132 PSI TO (F) : 147  
FINAL CLOSED IN PERIOD MIN: 57 (G) 1026  
FINAL HYDROSTATIC PRESSURE (H) 2048

WESTERN TESTING CO. INC.  
WICHITA - KANSAS

Pressure Transient Report

COMPANY : BEREXCO INC.  
RIG : KEARNY-KANSAS  
FIELD : HEINITZ  
WELL : #1  
DATE : 11-23-87  
GAUGE NO : 3086

OPERATIONAL COMMENTS

COMPANY : BEREXCO INC.  
 WELL : #1  
 GAUGE # : 3086  
 DATE : 23/11/87

FIELD : HEINITZ  
 JOB # : 12073  
 DEPTH : 4266  
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P $P_i - P(i-1)$
1	2:10:0	0.000	63.000	116.00	0.000
2	2:14:59	0.083	63.000	116.00	0.000
3	2:20:0	0.167	63.000	116.00	0.000
4	2:25:0	0.250	66.000	116.00	3.000
5	2:29:59	0.333	75.000	116.00	9.000
6	2:35:0	0.417	83.000	116.00	8.000
7	2:40:0	0.500	90.000	116.00	7.000
8	2:43:0	0.550	752.000	116.00	662.000
9	2:46:0	0.600	853.000	116.00	101.000
10	2:49:0	0.650	901.000	116.00	48.000
11	2:52:0	0.700	931.000	116.00	30.000
12	2:55:0	0.750	956.000	116.00	25.000
13	2:58:0	0.800	972.000	116.00	16.000
14	3:01:0	0.850	986.000	116.00	14.000
15	3:04:0	0.900	997.000	116.00	11.000
16	3:07:0	0.950	1007.000	116.00	10.000
17	3:10:0	1.000	1015.000	116.00	8.000
18	3:13:0	1.050	1022.000	116.00	7.000
19	3:16:0	1.100	1028.000	116.00	6.000
20	3:19:0	1.150	1034.000	116.00	6.000
21	3:22:0	1.200	1037.000	116.00	3.000
22	3:25:0	1.250	1039.000	116.00	2.000
23	3:28:0	1.300	1043.000	116.00	4.000
24	3:31:0	1.350	1046.000	116.00	3.000
25	3:34:0	1.400	1049.000	116.00	3.000
26	3:37:0	1.450	1051.000	116.00	2.000
27	3:38:0	1.467	132.000	116.00	-919.000
28	3:41:59	1.533	132.000	116.00	0.000
29	3:47:0	1.617	132.000	116.00	0.000
30	3:52:0	1.700	132.000	116.00	0.000
31	3:56:59	1.783	134.000	116.00	2.000
32	4:02:0	1.867	140.000	116.00	6.000
33	4:07:0	1.950	147.000	116.00	7.000
34	4:10:0	2.000	743.000	116.00	596.000
35	4:13:0	2.050	827.000	116.00	84.000
36	4:16:0	2.100	869.000	116.00	42.000
37	4:19:0	2.150	901.000	116.00	32.000
38	4:22:0	2.200	922.000	116.00	21.000
39	4:25:0	2.250	937.000	116.00	15.000
40	4:28:0	2.300	951.000	116.00	14.000
41	4:31:0	2.350	963.000	116.00	12.000
42	4:34:0	2.400	976.000	116.00	13.000
43	4:37:0	2.450	986.000	116.00	10.000
44	4:40:0	2.500	994.000	116.00	8.000
45	4:43:0	2.550	1000.000	116.00	6.000
46	4:46:0	2.600	1006.000	116.00	6.000
47	4:49:0	2.650	1011.000	116.00	5.000
48	4:52:0	2.700	1014.000	116.00	3.000
49	4:55:0	2.750	1017.000	116.00	3.000
50	4:58:0	2.800	1020.000	116.00	3.000
51	5:01:0	2.850	1023.000	116.00	3.000
52	5:04:0	2.900	1026.000	116.00	3.000

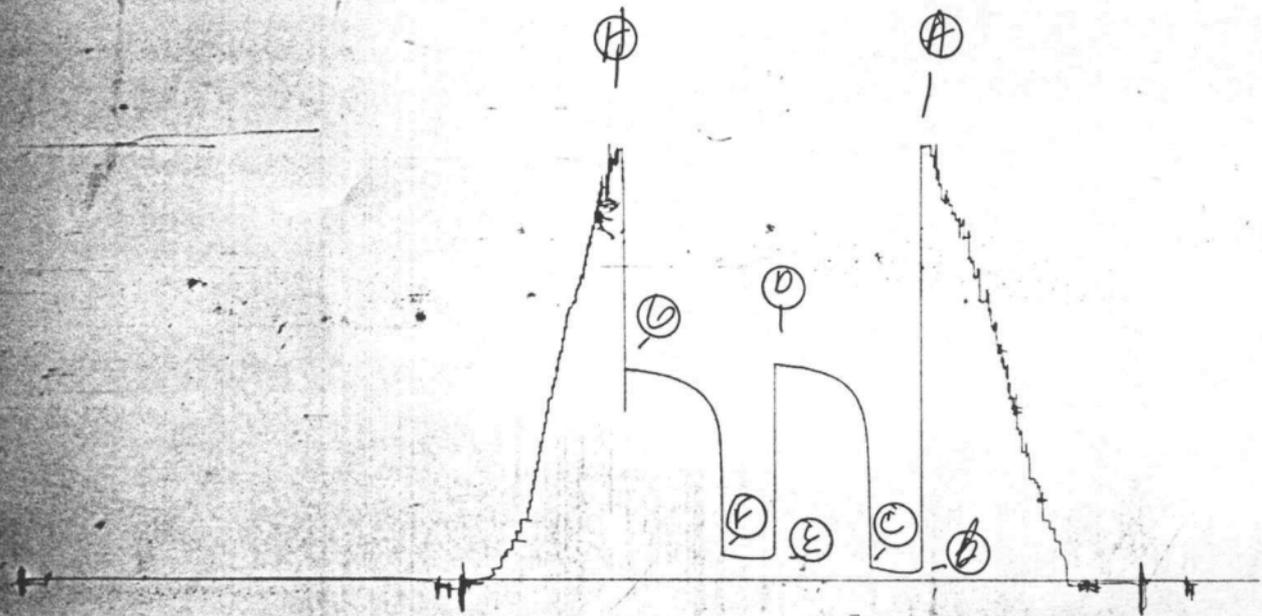
3086-DST#2



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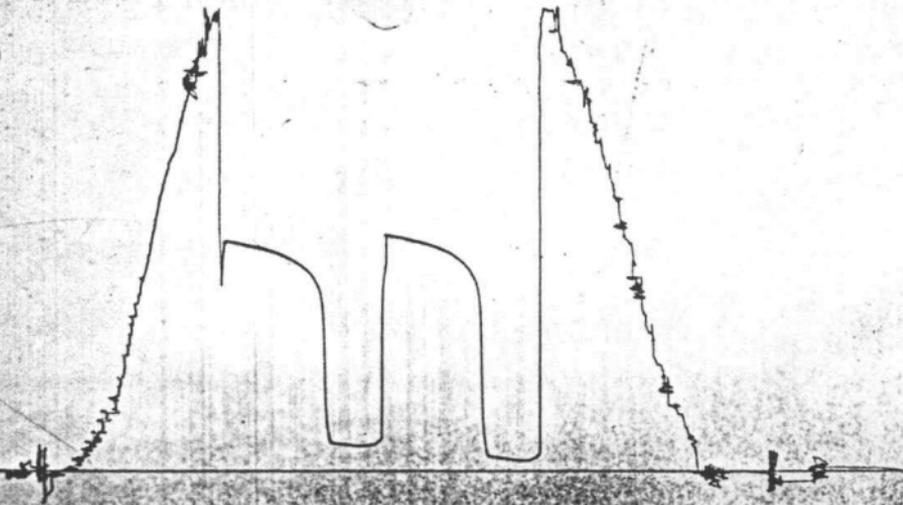


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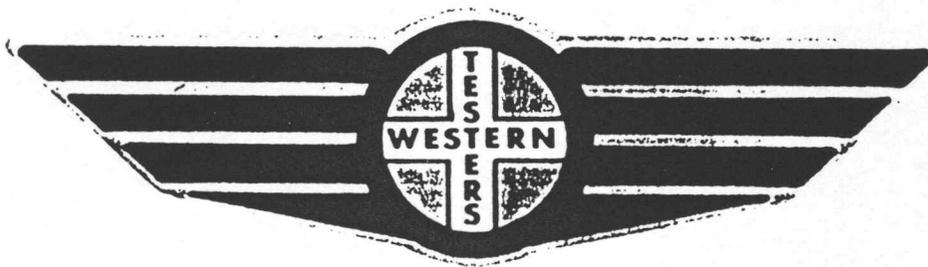
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~~13271~~ DST#2 Site # 12073

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# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY BEREXCO INC. LEASE & WELL NO. HEINITZ #1 SEC. 8 TWP. 23S RGE. 37W TEST NO. 3 DATE 11-26-87

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 11-26-87 TICKET : 12074  
CUSTOMER : BEREXCO INC. LEASE : HEINITZ  
WELL : #1 TEST: 3 GEOLOGIST : C. SPRADLIN  
ELEVATION : 3310 KB FORMATION : MARROW SD  
SECTION : 8 TOWNSHIP : 23S  
RANGE : 32W COUNTY : KEARNY STATE : KANSAS  
GAUGE SN# : 3086 RANGE : 4500 CLOCK : 12

INTERVAL FROM : 4705 TO : 4774 TOTAL DEPTH : 4774  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 4700 SIZE : 6.63  
PACKER DEPTH : 4705 SIZE : 6.63  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : BEREDCO RIG 4  
MUD TYPE : CHEMICAL VISCOSITY : 48  
WEIGHT : 9.1 WATER LOSS (CC) : 6.0  
CHLORIDES (PPM) : 1750  
JARS-MAKE : WTC SERIAL NUMBER : 421  
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 651 FT I.D. inch : 2.25  
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00  
DRILL PIPE LENGTH : 4026 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 28 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 69 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 TO STRONG BLOW IN 25 MINUTES.  
BLOW COMMENT #2 : FINAL FLOW-WEAK TO STRONG BLOW 20 MINUTES.  
BLOW COMMENT #3 : (WOULDN'T MAINTAIN 2" FLOW LINE.)  
BLOW COMMENT #4 :

RECOVERED : 30 FT OF: GAS & OIL CUT MUD  
10% GAS-40% OIL-50% MUD  
RECOVERED : 440 FT OF: HEAVY GAS & MUD CUT OIL  
40% GAS-40% OIL-20% MUD  
RECOVERED : 120 FT OF: GAS & MUD CUT WATER  
20% GAS-20% MUD-60% WATER

CHLORIDES: 47000 PPM

RW .26 @ 50 DEG.F. MUD 2.8 @ 80 DEG.F.

Total Barrels Fluid = 2.90  
Total Fluid Prod Rate = 43.98 BFPD  
Indicated Oil Rate = 14.01 BOPD  
Indicated Wtr Rate = 6.26 BWPD

REMARK 1 :  
REMARK 2 : RECOVERED 240 FEET OF GAS ABOVE FLUID.  
REMARK 3 :  
REMARK 4 :

SET PACKER(S) : 12:05 PM TIME STARTED OFF BOTTOM : 4:35 PM  
WELL TEMPERATURE : 128  
INITIAL HYDROSTATIC PRESSURE (A) 2315  
INITIAL FLOW PERIOD MIN: 35 (B) 118 PSI TO (C) : 160  
INITIAL CLOSED IN PERIOD MIN: 60 (D) 500  
FINAL FLOW PERIOD MIN: 60 (E) 243 PSI TO (F) : 281  
FINAL CLOSED IN PERIOD MIN: 126 (G) 518  
FINAL HYDROSTATIC PRESSURE (H) 2283

WESTERN TESTING CO. INC.  
WICHITA - KANSAS

Pressure Transient Report  
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COMPANY : BEREXCO INC.  
RIG : KEARNY-KANSAS  
FIELD : HEINITZ  
WELL : #1  
DATE : 11-26-87  
GAUGE NO : 3086

OPERATIONAL COMMENTS

RECOVERED 240 FEET OF GAS ABOVE FLUID.

COMPANY : BEREXCO INC.  
 WELL : #1  
 GAUGE # : 3086  
 DATE : 26/11/87

FIELD : HEINITZ  
 JOB # : 12074  
 DEPTH : 4774  
 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: 5: 0	0.000	118.000	128.00	0.000
2	12: 9:59	0.083	118.000	128.00	0.000
3	12:15: 0	0.167	118.000	128.00	0.000
4	12:20: 0	0.250	123.000	128.00	5.000
5	12:24:59	0.333	132.000	128.00	9.000
6	12:30: 0	0.417	141.000	128.00	9.000
7	12:35: 0	0.500	153.000	128.00	12.000
8	12:39:59	0.583	160.000	128.00	7.000
9	12:42:59	0.633	219.000	128.00	59.000
10	12:45:59	0.683	293.000	128.00	74.000
11	12:48:59	0.733	333.000	128.00	40.000
12	12:51:59	0.783	367.000	128.00	34.000
13	12:54:59	0.833	391.000	128.00	24.000
14	12:57:59	0.883	409.000	128.00	18.000
15	13: 0:59	0.933	424.000	128.00	15.000
16	13: 3:59	0.983	437.000	128.00	13.000
17	13: 6:59	1.033	448.000	128.00	11.000
18	13: 9:59	1.083	456.000	128.00	8.000
19	13:12:59	1.133	466.000	128.00	10.000
20	13:15:59	1.183	472.000	128.00	6.000
21	13:18:59	1.233	476.000	128.00	4.000
22	13:21:59	1.283	481.000	128.00	5.000
23	13:24:59	1.333	485.000	128.00	4.000
24	13:27:59	1.383	488.000	128.00	3.000
25	13:30:59	1.433	492.000	128.00	4.000
26	13:33:59	1.483	494.000	128.00	2.000
27	13:36:59	1.533	497.000	128.00	3.000
28	13:39:59	1.583	500.000	128.00	3.000
29	13:41: 0	1.600	243.000	128.00	-257.000
30	13:44:59	1.667	243.000	128.00	0.000
31	13:50: 0	1.750	243.000	128.00	0.000
32	13:54:59	1.833	243.000	128.00	0.000
33	13:59:59	1.917	243.000	128.00	0.000
34	14: 5: 0	2.000	243.000	128.00	0.000
35	14: 9:59	2.083	244.000	128.00	1.000
36	14:14:59	2.167	253.000	128.00	9.000
37	14:20: 0	2.250	258.000	128.00	5.000
38	14:24:59	2.333	265.000	128.00	7.000
39	14:29:59	2.417	271.000	128.00	6.000
40	14:35: 0	2.500	275.000	128.00	4.000
41	14:39:59	2.583	281.000	128.00	6.000
42	14:42:59	2.633	307.000	128.00	26.000
43	14:45:59	2.683	348.000	128.00	41.000
44	14:48:59	2.733	377.000	128.00	29.000
45	14:51:59	2.783	399.000	128.00	22.000
46	14:54:59	2.833	415.000	128.00	16.000
47	14:57:59	2.883	428.000	128.00	13.000
48	15: 0:59	2.933	438.000	128.00	10.000
49	15: 3:59	2.983	448.000	128.00	10.000
50	15: 6:59	3.033	459.000	128.00	11.000
51	15: 9:59	3.083	464.000	128.00	5.000
52	15:12:59	3.133	471.000	128.00	7.000

COMPANY : BEREXCO INC.

FIELD : HEINITZ

WELL : #1

JOB # : 12074

GAUGE # : 3086

DEPTH : 4774

DATE : 26/11/87

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	15:15:59	3.183	478.000	128.00	7.000
54	15:18:59	3.233	481.000	128.00	3.000
55	15:21:59	3.283	485.000	128.00	4.000
56	15:24:59	3.333	488.000	128.00	3.000
57	15:27:59	3.383	492.000	128.00	4.000
58	15:30:59	3.433	493.000	128.00	1.000
59	15:33:59	3.483	494.000	128.00	1.000
60	15:36:59	3.533	496.000	128.00	2.000
61	15:39:59	3.583	498.000	128.00	2.000
62	15:42:59	3.633	500.000	128.00	2.000
63	15:45:59	3.683	502.000	128.00	2.000
64	15:48:59	3.733	503.000	128.00	1.000
65	15:51:59	3.783	504.000	128.00	1.000
66	15:54:59	3.833	505.000	128.00	1.000
67	15:57:59	3.883	506.000	128.00	1.000
68	16: 0:59	3.933	507.000	128.00	1.000
69	16: 3:59	3.983	509.000	128.00	2.000
70	16: 6:59	4.033	511.000	128.00	2.000
71	16: 9:59	4.083	513.000	128.00	2.000
72	16:12:59	4.133	513.000	128.00	0.000
73	16:15:59	4.183	513.000	128.00	0.000
74	16:18:59	4.233	513.000	128.00	0.000
75	16:21:59	4.283	513.000	128.00	0.000
76	16:24:59	4.333	513.000	128.00	0.000
77	16:27:59	4.383	514.000	128.00	1.000
78	16:30:59	4.433	514.000	128.00	0.000
79	16:33:59	4.483	515.000	128.00	1.000
80	16:36:59	4.533	515.000	128.00	0.000
81	16:39:59	4.583	516.000	128.00	1.000
82	16:42:59	4.633	517.000	128.00	1.000
83	16:45:59	4.683	518.000	128.00	1.000

WESTERN TESTING CO. INC.

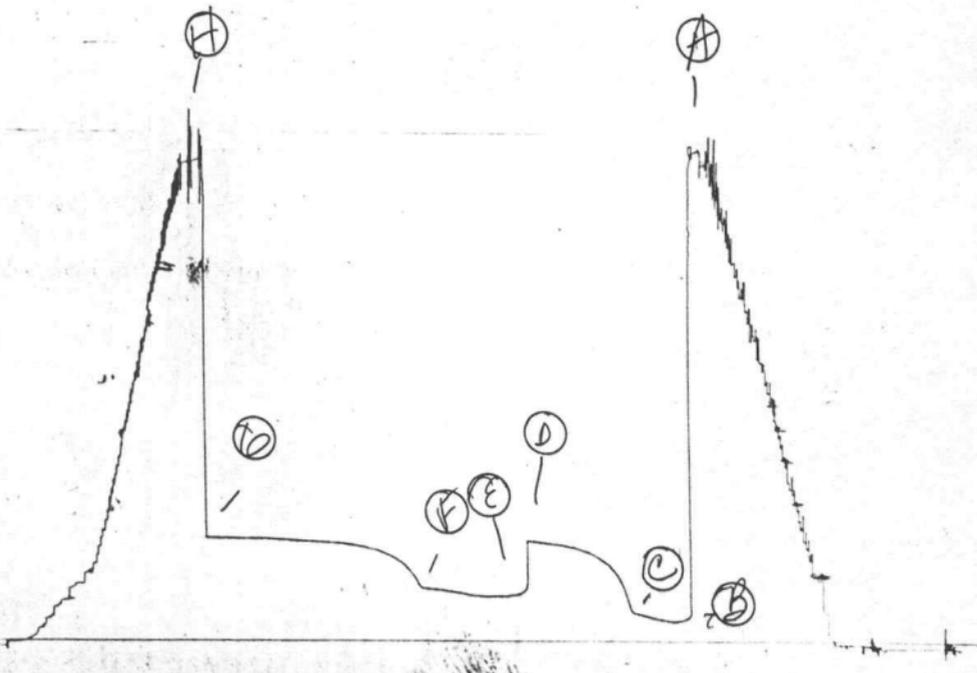
3086 DST # 3



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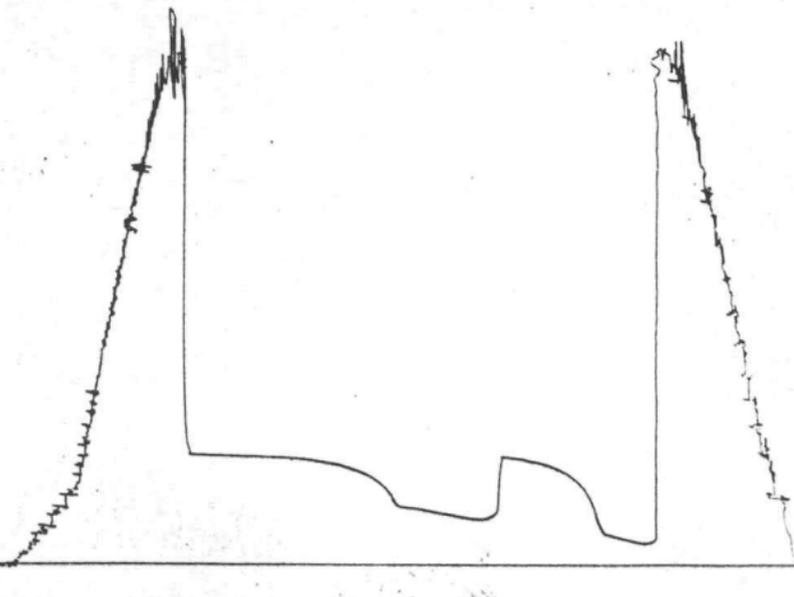
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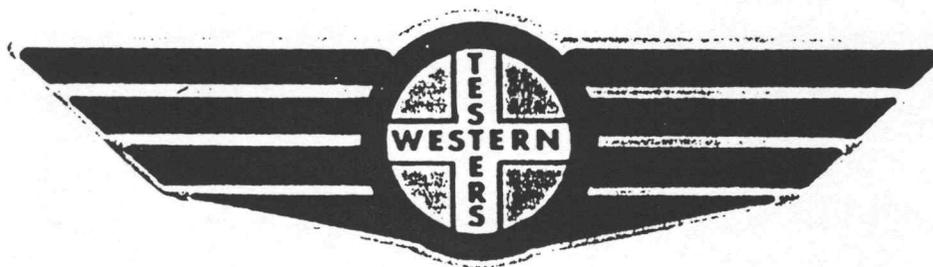
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# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 11-27-87  
CUSTOMER : BEREXCO INC.  
WELL : #1 TEST: 4  
ELEVATION : 3310 KB  
SECTION : 8  
RANGE : 37W COUNTY : KEARNY  
GAUGE SN# : 3086 RANGE : 4500  
TICKET : 12075  
LEASE : HEINITZ  
GEOLOGIST : C. SPRADLIN  
FORMATION : MARROW  
TOWNSHIP : 23S  
STATE : KANSAS  
CLOCK : 12

INTERVAL FROM : 4779 TO : 4826 TOTAL DEPTH : 4826  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 4774 SIZE : 6.63  
PACKER DEPTH : 4779 SIZE : 6.63  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : BEREDCO RIG 4  
MUD TYPE : CHEMICAL VISCOSITY : 48  
WEIGHT : 9.0 WATER LOSS (CC) : 8.0  
CHLORIDES (PPM) : 1300  
JARS-MAKE : WTC SERIAL NUMBER : 421  
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 651 FT I.D. inch : 2.25  
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00  
DRILL PIPE LENGTH : 4100 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 28 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 47 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-VERY WEAK STEADY BLOW.  
BLOW COMMENT #2 : FINAL FLOW-VERY WEAK 1/1/2" TO A 1/2" BLOW.  
BLOW COMMENT #3 :  
BLOW COMMENT #4 :

RECOVERED : 30 FT OF: OIL CUT MUD  
30% OIL-70% MUD

Total Barrels Fluid = 0.15  
Total Fluid Prod Rate = 2.36 BFPD  
Indicated Oil Rate = 0.71 BOPD  
Indicated Wtr Rate = 0.17 BWPD

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

SET PACKER(S) : 11:05 AM TIME STARTED OFF BOTTOM : 3:35 PM  
WELL TEMPERATURE : 128  
INITIAL HYDROSTATIC PRESSURE (A) 2291  
INITIAL FLOW PERIOD MIN: 30 (B) 47 PSI TO (C) : 47  
INITIAL CLOSED IN PERIOD MIN: 60 (D) 216  
FINAL FLOW PERIOD MIN: 60 (E) 54 PSI TO (F) : 54  
FINAL CLOSED IN PERIOD MIN: 123 (G) 658  
FINAL HYDROSTATIC PRESSURE (H) 2291

WESTERN TESTING CO. INC.  
WICHITA - KANSAS

Pressure Transient Report  
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COMPANY : BEREXCO INC.  
RIG : KEARNY-KANSAS  
FIELD : HEINITZ  
WELL : #1  
DATE : 11-27-87  
GAUGE NO : 3086

OPERATIONAL COMMENTS

COMPANY : BEREXCO INC.

WELL : #1

GAUGE # : 3086

DATE : 27/11/87

FIELD : HEINITZ

JOB # : 12075

DEPTH : 4826

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: 5: 0	0.000	47.000	128.00	0.000
2	11: 9:59	0.083	47.000	128.00	0.000
3	11:15: 0	0.167	47.000	128.00	0.000
4	11:20: 0	0.250	47.000	128.00	0.000
5	11:24:59	0.333	47.000	128.00	0.000
6	11:30: 0	0.417	47.000	128.00	0.000
7	11:35: 0	0.500	47.000	128.00	0.000
8	11:38: 0	0.550	47.000	128.00	0.000
9	11:41: 0	0.600	47.000	128.00	0.000
10	11:44: 0	0.650	47.000	128.00	0.000
11	11:47: 0	0.700	47.000	128.00	0.000
12	11:50: 0	0.750	52.000	128.00	5.000
13	11:53: 0	0.800	57.000	128.00	5.000
14	11:56: 0	0.850	62.000	128.00	5.000
15	11:59: 0	0.900	70.000	128.00	8.000
16	12: 2: 0	0.950	73.000	128.00	3.000
17	12: 5: 0	1.000	77.000	128.00	4.000
18	12: 8: 0	1.050	85.000	128.00	8.000
19	12:11: 0	1.100	92.000	128.00	7.000
20	12:14: 0	1.150	106.000	128.00	14.000
21	12:17: 0	1.200	117.000	128.00	11.000
22	12:20: 0	1.250	130.000	128.00	13.000
23	12:23: 0	1.300	144.000	128.00	14.000
24	12:26: 0	1.350	160.000	128.00	16.000
25	12:29: 0	1.400	174.000	128.00	14.000
26	12:32: 0	1.450	193.000	128.00	19.000
27	12:35: 0	1.500	216.000	128.00	23.000
28	12:36: 0	1.517	54.000	128.00	-162.000
29	12:39:59	1.583	54.000	128.00	0.000
30	12:45: 0	1.667	54.000	128.00	0.000
31	12:50: 0	1.750	54.000	128.00	0.000
32	12:54:59	1.833	54.000	128.00	0.000
33	13: 0: 0	1.917	54.000	128.00	0.000
34	13: 5: 0	2.000	54.000	128.00	0.000
35	13: 9:59	2.083	54.000	128.00	0.000
36	13:15: 0	2.167	54.000	128.00	0.000
37	13:20: 0	2.250	54.000	128.00	0.000
38	13:24:59	2.333	54.000	128.00	0.000
39	13:30: 0	2.417	54.000	128.00	0.000
40	13:35: 0	2.500	54.000	128.00	0.000
41	13:38: 0	2.550	54.000	128.00	0.000
42	13:41: 0	2.600	54.000	128.00	0.000
43	13:44: 0	2.650	56.000	128.00	2.000
44	13:47: 0	2.700	58.000	128.00	2.000
45	13:50: 0	2.750	63.000	128.00	5.000
46	13:53: 0	2.800	68.000	128.00	5.000
47	13:56: 0	2.850	73.000	128.00	5.000
48	13:59: 0	2.900	78.000	128.00	5.000
49	14: 2: 0	2.950	83.000	128.00	5.000
50	14: 5: 0	3.000	89.000	128.00	6.000
51	14: 8: 0	3.050	95.000	128.00	6.000
52	14:11: 0	3.100	101.000	128.00	6.000

COMPANY - : BEREXCO INC.

WELL : #1

GAUGE # : 3086

DATE : 27/11/87

FIELD : HEINITZ

JOB # : 12075

DEPTH : 4826

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	14:14:0	3.150	107.000	128.00	6.000
54	14:17:0	3.200	115.000	128.00	8.000
55	14:20:0	3.250	122.000	128.00	7.000
56	14:23:0	3.300	130.000	128.00	8.000
57	14:26:0	3.350	137.000	128.00	7.000
58	14:29:0	3.400	149.000	128.00	12.000
59	14:32:0	3.450	161.000	128.00	12.000
60	14:35:0	3.500	173.000	128.00	12.000
61	14:38:0	3.550	186.000	128.00	13.000
62	14:41:0	3.600	199.000	128.00	13.000
63	14:44:0	3.650	216.000	128.00	17.000
64	14:47:0	3.700	232.000	128.00	16.000
65	14:50:0	3.750	250.000	128.00	18.000
66	14:53:0	3.800	269.000	128.00	19.000
67	14:56:0	3.850	284.000	128.00	15.000
68	14:59:0	3.900	307.000	128.00	23.000
69	15:02:0	3.950	329.000	128.00	22.000
70	15:05:0	4.000	355.000	128.00	26.000
71	15:08:0	4.050	377.000	128.00	22.000
72	15:11:0	4.100	405.000	128.00	28.000
73	15:14:0	4.150	433.000	128.00	28.000
74	15:17:0	4.200	462.000	128.00	29.000
75	15:20:0	4.250	493.000	128.00	31.000
76	15:23:0	4.300	521.000	128.00	28.000
77	15:26:0	4.350	551.000	128.00	30.000
78	15:29:0	4.400	580.000	128.00	29.000
79	15:32:0	4.450	613.000	128.00	33.000
80	15:35:0	4.500	637.000	128.00	24.000
81	15:38:0	4.550	658.000	128.00	21.000

WESTERN TESTING CO. INC.

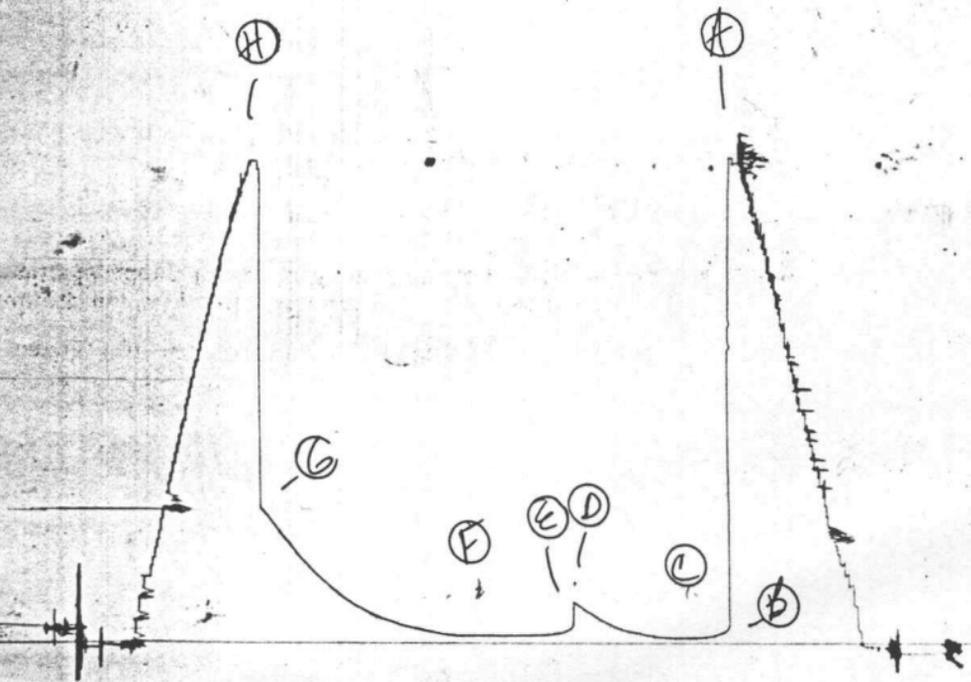
3086 DST #4:



Site # 12075

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13271 DST#4

~~St# 12075~~

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