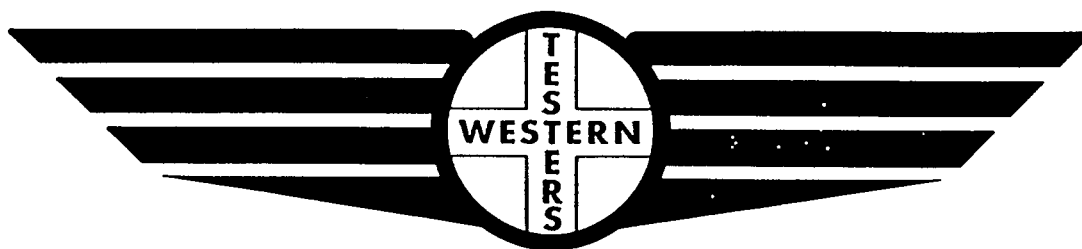


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY AMERICAN ENERGIES CORPORATION LEASE & WELL NO. #D-1 HANNA SEC. 10 TWP. 15S RGE. 29W TEST NO. 1 DATE 1/30/86

SUBSURFACE PRESSURE SURVEY

DATE : 1-30-86 TICKET : 9509
 CUSTOMER : AMERICAN ENERGIES CORPORATION LEASE : HANNA
 WELL : D-1 TEST: 1 GEOLOGIST : KNOBEL
 ELEVATION : 2557 FORMATION : LANSING H-I-J
 SECTION : 10 TOWNSHIP : 15S
 RANGE : 29W COUNTY : GOVE STATE : KANSAS
 GAUGE SN# : 13271 RANGE : 4400 CLOCK : 12

INTERVAL FROM : 3791 TO : 3899 TOTAL DEPTH : 3899
 DEPTH OF SELECTIVE ZONE :
 PACKER DEPTH : 3786 SIZE : 6.75
 PACKER DEPTH : 3791 SIZE : 6.75
 PACKER DEPTH : SIZE :
 PACKER DEPTH : SIZE :

DRILLING CON. : THUNDERBIRD DRLG
 MUD TYPE : CHEMICAL VISCOSITY : 43
 WEIGHT : 9.5 WATER LOSS (CC) : 12.0
 CHLORIDES (PPM) : 5000
 JARS-MAKE : SERIAL NUMBER :
 DID WELL FLOW ? : NO REVERSED OUT ? :

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
 WEIGHT PIPE LENGTH : 566 FT I.D. inch : 2.76
 DRILL PIPE LENGTH : 3202 FT I.D. inch : 3.80
 TEST TOOL LENGTH : 23 FT TOOL SIZE : 5.50
 ANCHOR LENGTH : 108 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 STRONG BLOW. OFF BOTTOM
 BLOW COMMENT #2 : IN 5 MINUTES. FINAL FLOW PERIOD STRONG BLOW.
 BLOW COMMENT #3 : OFF BOTTOM IN 7 MINUTES.
 BLOW COMMENT #4 :

RECOVERED : 1270 FT OF: MUD CUT WATER. 14.06 Barrels
 RECOVERED : 0 FT OF: CHLORIDES 58000 PPM. 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 Total Barrels = 14.1 Total Production = 270.0 Bpd

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

SET PACKER(S) : 8:30 PM TIME STARTED OFF BOTTOM : 12:15 AM
 WELL TEMPERATURE : 126
 INITIAL HYDROSTATIC PRESSURE (A) 2037
 INITIAL FLOW PERIOD MIN: 30 (B) 150 PSI TO (C) : 334
 INITIAL CLOSED IN PERIOD MIN: 60 (D) 1200
 FINAL FLOW PERIOD MIN: 45 (E) 414 PSI TO (F) : 538
 FINAL CLOSED IN PERIOD MIN: 87 (G) 1202
 FINAL HYDROSTATIC PRESSURE (H) 2015

Pressure Transient Report

DATA FILE.....

COMPANY.....AMERICAN ENERGIES CORPORATION

DATE OF TEST.....1-30-86

FIELD NAME.....HANNA

WELL NAME.....D-1

LOCATION.....GOVE-KANSAS

JOB NUMBER.....9509

GAUGE NUMBER.....13271

GAUGE DEPTH.....3899

COMMENTS

START UP TIME	(mo/da/yr)	(hr:min:sec)
	1./30/86.	8.: 30.: 0.

COMPANY : AMERICAN ENERGIES CORPORATION FIELD : HANNA
WELL : D-1 JOB # : 9509
GAUGE # : 13271 DEPTH : 3899
MON/DAY : 1/30

PAGE 1

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	8:30: 0	0 0.000	150.00	126.0	0.00	0.00
2	8:35: 0	5 0.083	150.00	126.0	0.00	0.00
3	8:40: 0	10 0.167	168.00	126.0	18.00	215.89
4	8:45: 0	15 0.250	218.00	126.0	68.00	600.15
5	8:50: 0	20 0.333	268.00	126.0	118.00	600.15
6	8:55: 0	25 0.417	307.00	126.0	157.00	467.77
7	9: 0: 0	30 0.500	334.00	126.0	184.00	324.08
8	9: 3: 0	33 0.550	1013.00	126.0	863.00	13583.32
9	9: 6: 0	36 0.600	1082.00	126.0	932.00	1380.34
10	9: 9: 0	39 0.650	1110.00	126.0	960.00	559.45
11	9:12: 0	42 0.700	1132.00	126.0	982.00	440.11
12	9:15: 0	45 0.750	1145.00	126.0	995.00	260.06
13	9:18: 0	48 0.800	1154.00	126.0	1004.00	180.04
14	9:21: 0	51 0.850	1162.00	126.0	1012.00	160.04
15	9:24: 0	54 0.900	1170.00	126.0	1020.00	159.84
16	9:27: 0	57 0.950	1177.00	126.0	1027.00	140.03
17	9:30: 0	60 1.000	1181.00	126.0	1031.00	80.02
18	9:33: 0	63 1.050	1184.00	126.0	1034.00	60.01
19	9:36: 0	66 1.100	1187.00	126.0	1037.00	60.01
20	9:39: 0	69 1.150	1189.00	126.0	1039.00	39.96
21	9:42: 0	72 1.200	1191.00	126.0	1041.00	40.01
22	9:45: 0	75 1.250	1193.00	126.0	1043.00	40.01
23	9:48: 0	78 1.300	1195.00	126.0	1045.00	40.01
24	9:51: 0	81 1.350	1197.00	126.0	1047.00	40.01
25	9:54: 0	84 1.400	1198.00	126.0	1048.00	19.98
26	9:57: 0	87 1.450	1199.00	126.0	1049.00	20.00
27	10: 0: 0	90 1.500	1200.00	126.0	1050.00	20.00
28	10: 1: 0	91 1.517	414.00	126.0	264.00	-47171.52
29	10: 5: 0	95 1.583	414.00	126.0	264.00	0.00
30	10:10: 0	100 1.667	414.00	126.0	264.00	0.00
31	10:15: 0	105 1.750	422.00	126.0	272.00	96.02
32	10:20: 0	110 1.833	439.00	126.0	289.00	204.05
33	10:25: 0	115 1.917	462.00	126.0	312.00	275.87
34	10:30: 0	120 2.000	485.00	126.0	335.00	276.07
35	10:35: 0	125 2.083	503.00	126.0	353.00	216.05
36	10:40: 0	130 2.167	525.00	126.0	375.00	263.87
37	10:45: 0	135 2.250	538.00	126.0	388.00	156.04
38	10:48: 0	138 2.300	1052.00	126.0	902.00	10282.51
39	10:51: 0	141 2.350	1095.00	126.0	945.00	860.21
40	10:54: 0	144 2.400	1121.00	126.0	971.00	519.49
41	10:57: 0	147 2.450	1134.00	126.0	984.00	260.06
42	11: 0: 0	150 2.500	1146.00	126.0	996.00	240.06
43	11: 3: 0	153 2.550	1158.00	126.0	1008.00	240.06
44	11: 6: 0	156 2.600	1162.00	126.0	1012.00	80.02
45	11: 9: 0	159 2.650	1166.00	126.0	1016.00	79.92
46	11:12: 0	162 2.700	1170.00	126.0	1020.00	80.02
47	11:15: 0	165 2.750	1174.00	126.0	1024.00	80.02
48	11:18: 0	168 2.800	1177.00	126.0	1027.00	60.01
49	11:21: 0	171 2.850	1180.00	126.0	1030.00	60.01

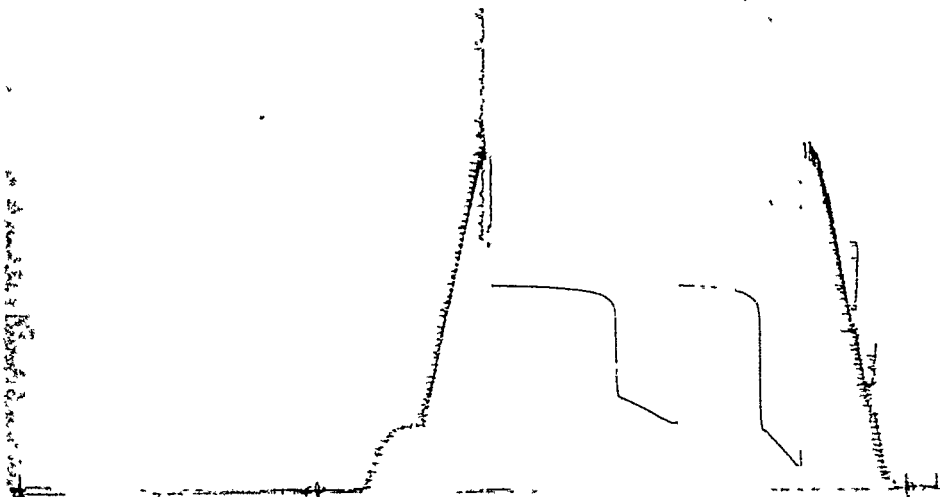
COMPANY : AMERICAN ENERGIES CORPORATION FIELD : HANNA
WELL : D-1 JOB # : 9509
GAUGE # : 13271 DEPTH : 3899
MON/DAY : 1/30

PAGE 2

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
50	11:24: 0	174 2.900	1183.00	126.0	1033.00	59.94
51	11:27: 0	177 2.950	1185.00	126.0	1035.00	40.01
52	11:30: 0	180 3.000	1187.00	126.0	1037.00	40.01
53	11:33: 0	183 3.050	1188.00	126.0	1038.00	20.00
54	11:36: 0	186 3.100	1189.00	126.0	1039.00	20.00
55	11:39: 0	189 3.150	1190.00	126.0	1040.00	19.98
56	11:42: 0	192 3.200	1191.00	126.0	1041.00	20.00
57	11:45: 0	195 3.250	1192.00	126.0	1042.00	20.00
58	11:48: 0	198 3.300	1193.00	126.0	1043.00	20.00
59	11:51: 0	201 3.350	1194.00	126.0	1044.00	20.00
60	11:54: 0	204 3.400	1195.00	126.0	1045.00	19.98
61	11:57: 0	207 3.450	1196.00	126.0	1046.00	20.00
62	12: 0: 0	210 3.500	1197.00	126.0	1047.00	20.00
63	12: 3: 0	213 3.550	1198.00	126.0	1048.00	20.00
64	12: 6: 0	216 3.600	1199.00	126.0	1049.00	20.00
65	12: 9: 0	219 3.650	1200.00	126.0	1050.00	19.98
66	12:12: 0	222 3.700	1202.00	126.0	1052.00	40.01

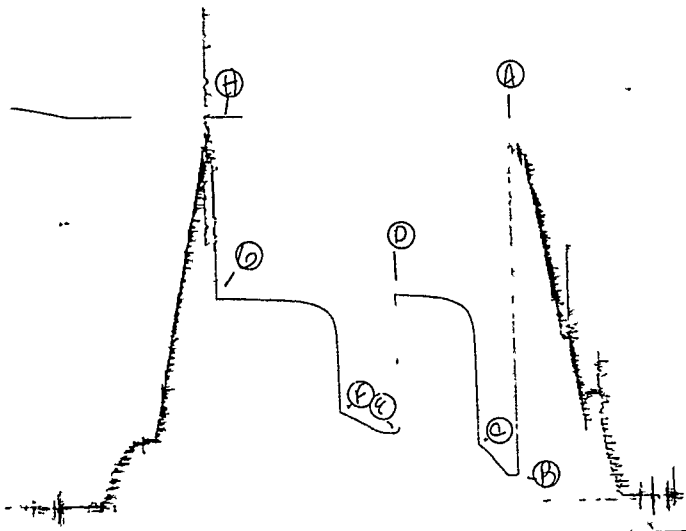
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TK # 9509
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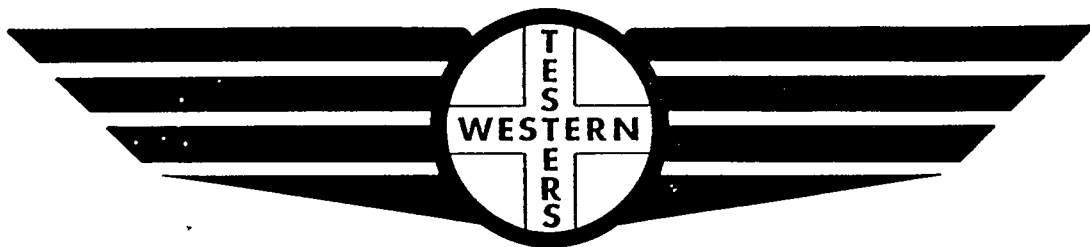


Box 1
HK # 9509
Top

OK # 9509
I



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY AMERICAN ENERGIES CORPORATION LEASE & WELL NO. #D-1 HANNA SEC. 10 TWP. 15S RGE. 29W TEST NO. 2 DATE 31/86

SUBSURFACE PRESSURE SURVEY

DATE : 1-31-86 TICKET : 9510
 CUSTOMER : AMERICAN ENERGIES CORPORATION LEASE : HANNA
 WELL : D-1 TEST: 2 GEOLOGIST : KNOBEL
 ELEVATION : 2557 FORMATION : LANSING K
 SECTION : 10 TOWNSHIP : 15S
 RANGE : 29W COUNTY : GOVE STATE : KANSAS
 GAUGE SN# : 13271 RANGE : 4400 CLOCK : 12

INTERVAL FROM : 3905 TO : 3936 TOTAL DEPTH : 3936
 DEPTH OF SELECTIVE ZONE :
 PACKER DEPTH : 3905 SIZE : 6.75
 PACKER DEPTH : 3900 SIZE : 6.75
 PACKER DEPTH : SIZE :
 PACKER DEPTH : SIZE :

DRILLING CON. : THUNDERBIRD DRLG
 MUD TYPE : CHEMICAL VISCOSITY : 60
 WEIGHT : 9.7 WATER LOSS (CC) : 12.0
 CHLORIDES (PPM) : 5000
 JARS-MAKE : SERIAL NUMBER :
 DID WELL FLOW ? : NO REVERSED OUT ? : YES

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
 WEIGHT PIPE LENGTH : 566 FT I.D. inch : 2.76
 DRILL PIPE LENGTH : 3316 FT I.D. inch : 3.80
 TEST TOOL LENGTH : 23 FT TOOL SIZE : 5.50
 ANCHOR LENGTH : 31 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 STRONG BLOW. OFF BOTTOM
 BLOW COMMENT #2 : IN 2 MINUTES. FINAL FLOW PERIOD STRONG BLOW.
 BLOW COMMENT #3 : OFF BOTTOM IN 3 MINUTES.
 BLOW COMMENT #4 :

RECOVERED : 1620 FT OF: MUD CUT WATER WITH FEW 18.97 Barrels
 RECOVERED : 0 FT OF: OIL SPOTS IN FIRST 0.00 Barrels
 RECOVERED : 0 FT OF: STAND. 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 Total Barrels = 19.0 Total Production = 420.3 Bpd

REMARK 1 : CHLORIDES 46000 PPM.
 REMARK 2 :
 REMARK 3 :
 REMARK 4 :

SET PACKER(S) : 12:00 PM TIME STARTED OFF BOTTOM : 3:15 PM
 WELL TEMPERATURE : 126
 INITIAL HYDROSTATIC PRESSURE (A) 2088
 INITIAL FLOW PERIOD MIN: 30 (B) 166 PSI TO (C) : 546
 INITIAL CLOSED IN PERIOD MIN: 63 (D) 986
 FINAL FLOW PERIOD MIN: 35 (E) 636 PSI TO (F) : 788
 FINAL CLOSED IN PERIOD MIN: 75 (G) 982
 FINAL HYDROSTATIC PRESSURE (H) 2028

Pressure Transient Report -----

DATA FILE.....

COMPANY.....AMERICAN ENERGIES CORPORATION

DATE OF TEST.....1-31-86

FIELD NAME.....HANNA

WELL NAME.....D-1

LOCATION.....GOVE-KANSAS

JOB NUMBER.....9510

GAUGE NUMBER.....13271

GAUGE DEPTH.....3936

COMMENTS
CHLORIDES 46000 PPM.

START UP TIME	(mo/da/yr)	(hr:min:sec)
	1./31/86.	12.: 0.: 0.

COMPANY : AMERICAN ENERGIES CORPORATION FIELD : HANNA
WELL : D-1 JOB # : 9510
GAUGE # : 13271 DEPTH : 3936
MON/DAY : 1/31

PAGE 1

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	12: 0: 0	0 0.000	166.00	126.0	0.00	40.01
2	12: 5: 0	5 0.083	195.00	126.0	29.00	348.08
3	12:10: 0	10 0.167	310.00	126.0	144.00	1379.33
4	12:15: 0	15 0.250	372.00	126.0	206.00	744.18
5	12:20: 0	20 0.333	438.00	126.0	272.00	792.19
6	12:25: 0	25 0.417	496.00	126.0	330.00	695.66
7	12:30: 0	30 0.500	546.00	126.0	380.00	600.15
8	12:33: 0	33 0.550	882.00	126.0	716.00	6721.64
9	12:36: 0	36 0.600	914.00	126.0	748.00	640.16
10	12:39: 0	39 0.650	931.00	126.0	765.00	339.67
11	12:42: 0	42 0.700	942.00	126.0	776.00	220.05
12	12:45: 0	45 0.750	952.00	126.0	786.00	200.05
13	12:48: 0	48 0.800	958.00	126.0	792.00	120.03
14	12:51: 0	51 0.850	964.00	126.0	798.00	120.03
15	12:54: 0	54 0.900	967.00	126.0	801.00	59.94
16	12:57: 0	57 0.950	969.00	126.0	803.00	40.01
17	13: 0: 0	60 1.000	971.00	126.0	805.00	40.01
18	13: 3: 0	63 1.050	973.00	126.0	807.00	40.01
19	13: 6: 0	66 1.100	975.00	126.0	809.00	40.01
20	13: 9: 0	69 1.150	977.00	126.0	811.00	39.96
21	13:12: 0	72 1.200	979.00	126.0	813.00	40.01
22	13:15: 0	75 1.250	981.00	126.0	815.00	40.01
23	13:18: 0	78 1.300	982.00	126.0	816.00	20.00
24	13:21: 0	81 1.350	983.00	126.0	817.00	20.00
25	13:24: 0	84 1.400	984.00	126.0	818.00	19.98
26	13:27: 0	87 1.450	985.00	126.0	819.00	20.00
27	13:30: 0	90 1.500	986.00	126.0	820.00	20.00
28	13:33: 0	93 1.550	986.00	126.0	820.00	0.00
29	13:34: 0	94 1.567	636.00	126.0	470.00	-21005.13
30	13:38: 0	98 1.633	636.00	126.0	470.00	0.00
31	13:43: 0	103 1.717	649.00	126.0	483.00	156.04
32	13:48: 0	108 1.800	682.00	126.0	516.00	396.10
33	13:53: 0	113 1.883	715.00	126.0	549.00	395.81
34	13:58: 0	118 1.967	746.00	126.0	580.00	372.09
35	14: 3: 0	123 2.050	772.00	126.0	606.00	312.08
36	14: 8: 0	128 2.133	788.00	126.0	622.00	191.91
37	14:11: 0	131 2.183	914.00	126.0	748.00	2520.62
38	14:14: 0	134 2.233	934.00	126.0	768.00	400.10
39	14:17: 0	137 2.283	945.00	126.0	779.00	220.05
40	14:20: 0	140 2.333	952.00	126.0	786.00	140.03
41	14:23: 0	143 2.383	958.00	126.0	792.00	119.88
42	14:26: 0	146 2.433	961.00	126.0	795.00	60.01
43	14:29: 0	149 2.483	964.00	126.0	798.00	60.01
44	14:32: 0	152 2.533	967.00	126.0	801.00	60.01
45	14:35: 0	155 2.583	970.00	126.0	804.00	60.01
46	14:38: 0	158 2.633	973.00	126.0	807.00	59.94
47	14:41: 0	161 2.683	975.00	126.0	809.00	40.01
48	14:44: 0	164 2.733	977.00	126.0	811.00	40.01
49	14:47: 0	167 2.783	978.00	126.0	812.00	20.00

COMPANY : AMERICAN ENERGIES CORPORATION FIELD : HANNA

WELL : D-1 JOB # : 9510

GAUGE # : 13271 DEPTH : 3936

MON/DAY : 1/31

PAGE 2

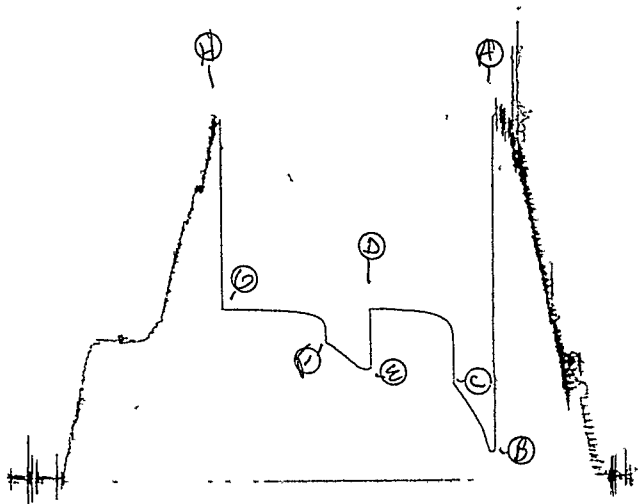
REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS	ELAPSE TIME HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-P1)	DP/DT Psi/hr
50	14:50: 0	170	2.833	979.00	126.0	813.00	20.00
51	14:53: 0	173	2.883	980.00	126.0	814.00	19.98
52	14:56: 0	176	2.933	981.00	126.0	815.00	20.00
53	14:59: 0	179	2.983	981.00	126.0	815.00	0.00
54	15: 2: 0	182	3.033	981.00	126.0	815.00	0.00
55	15: 5: 0	185	3.083	982.00	126.0	816.00	20.00
56	15: 8: 0	188	3.133	982.00	126.0	816.00	0.00
57	15:11: 0	191	3.183	982.00	126.0	816.00	0.00
58	15:14: 0	194	3.233	982.00	126.0	816.00	0.00
59	15:17: 0	197	3.283	982.00	126.0	816.00	0.00
60	15:20: 0	200	3.333	982.00	126.0	816.00	0.00
61	15:23: 0	203	3.383	982.00	126.0	816.00	0.00

DSF#2

TK#9510

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TK#9510
1



251#2
TK#9510
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JK # 9510
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