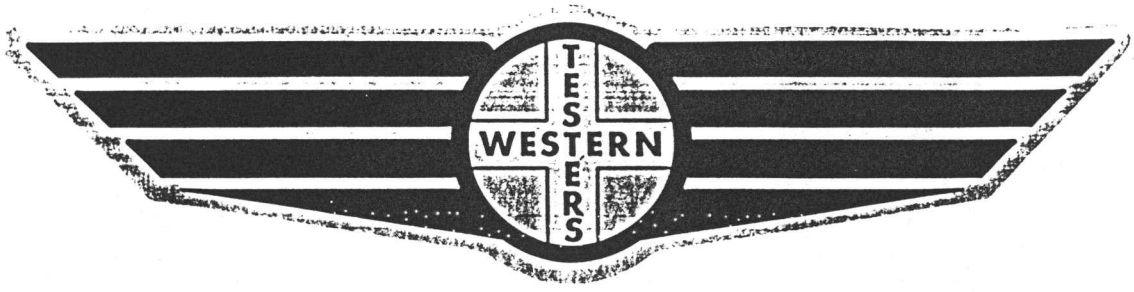
FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

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

COMPANY A L ABERCROMBIE, INC. LEASE & WELL NO. DORTHY FOOS #1 SEC. 11 TWP. 15S RGE. 29W TEST NO. 1 DATE 8/11/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	: 8-11-87	TICKET	: 11561
CUSTOMER	: A.L. ABERCROMBIE INC.	LEASE	: DORTHY FOOS
WELL	: #1 TEST: 1	GEOLOGIST	: M GAYLON
ELEVATION	: 2530 GL	FORMATION	: LANSING K
SECTION	: 11	TOWNSHIP	: 15S
RANGE	: 29W COUNTY : GOVE	STATE	: KANSAS
GAUGE SN#	: 1566 RANGE : 4300	CLOCK	: 12

INTERVAL FROM	: 3905	TO	: 3925	TOTAL DEPTH	: 3925
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 3900	SIZE	: 6.75		
PACKER DEPTH	: 3905	SIZE	: 6.75		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: COMPANY TOOLS	RIG #8	
MUD TYPE	: CHEMICAL	VISCOSITY	: 42
WEIGHT	: 9.	WATER LOSS (CC)	: 12
CHLORIDES (PPM)	: 4000		
JARS-MAKE	: -	SERIAL NUMBER	:
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 0	FT	I.D. inch	: 0.00	
WEIGHT PIPE LENGTH	: 637	FT	I.D. inch	: 2.70	
DRILL PIPE LENGTH	: 3248	FT	I.D. inch	: 3.80	
TEST TOOL LENGTH	: 20	FT	TOOL SIZE	: 5.50	
ANCHOR LENGTH	: 20	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-BOTTOM OF BUCKET 6 MINUTES.
BLOW COMMENT #2 : FINAL FLOW-STRONG-BOTTOM OF BUCKET 12 MINUTES.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 1 FT OF: FREE OIL
RECOVERED : 1070 FT OF: MUDDY WATER

CHLORIDES: 48000 PPM

Total Barrels Fluid = 10.60
Total Fluid Prod Rate = 169.57 BFPD
Indicated Oil Rate = 0.16 BOPD
Indicated Wtr Rate = 84.71 BWPD

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

SET PACKER(S) : 7:30 PM TIME STARTED OFF BOTTOM : 10:30 PM
WELL TEMPERATURE : 115

INITIAL HYDROSTATIC PRESSURE			(A)	1956	
INITIAL FLOW PERIOD	MIN:	30	(B)	89	PSI TO (C) : 274
INITIAL CLOSED IN PERIOD	MIN:	45	(D)	863	
FINAL FLOW PERIOD	MIN:	60	(E)	365	PSI TO (F) : 521
FINAL CLOSED IN PERIOD	MIN:	45	(G)	841	
FINAL HYDROSTATIC PRESSURE			(H)	1928	

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY	: A.L. ABERCROMBIE INC.
RIG	: GOVE-KANSAS
FIELD	: DORTHY FOOS
WELL	: #1
DATE	: 8-11-87
GAUGE NO	: 1566

OPERATIONAL COMMENTS

COMPANY : A.L. ABERCROMBIE INC.
WELL : #1
GAUGE # : 1566
DATE : 11/ 8/87

FIELD : DORTHY FOOS
JOB # : 11561
DEPTH : 3925
TEST :

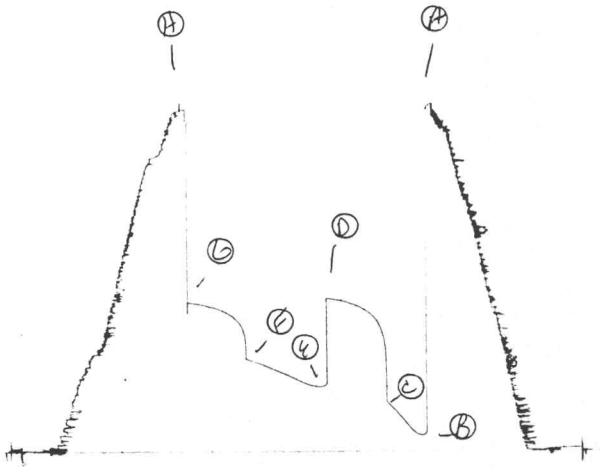
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	7:30: 0	0.000	89.000	115.00	0.000
2	7:34:59	0.083	89.000	115.00	0.000
3	7:40: 0	0.167	112.000	115.00	23.000
4	7:45: 0	0.250	153.000	115.00	41.000
5	7:49:59	0.333	200.000	115.00	47.000
6	7:55: 0	0.417	241.000	115.00	41.000
7	8: 0: 0	0.500	274.000	115.00	33.000
8	8: 3: 0	0.550	673.000	115.00	399.000
9	8: 6: 0	0.600	720.000	115.00	47.000
10	8: 9: 0	0.650	752.000	115.00	32.000
11	8:12: 0	0.700	776.000	115.00	24.000
12	8:15: 0	0.750	793.000	115.00	17.000
13	8:18: 0	0.800	805.000	115.00	12.000
14	8:21: 0	0.850	817.000	115.00	12.000
15	8:24: 0	0.900	825.000	115.00	8.000
16	8:27: 0	0.950	834.000	115.00	9.000
17	8:30: 0	1.000	843.000	115.00	9.000
18	8:33: 0	1.050	849.000	115.00	6.000
19	8:36: 0	1.100	854.000	115.00	5.000
20	8:39: 0	1.150	858.000	115.00	4.000
21	8:42: 0	1.200	861.000	115.00	3.000
22	8:45: 0	1.250	863.000	115.00	2.000
23	8:46: 0	1.267	365.000	115.00	-498.000
24	8:49:59	1.333	365.000	115.00	0.000
25	8:55: 0	1.417	369.000	115.00	4.000
26	9: 0: 0	1.500	379.000	115.00	10.000
27	9: 4:59	1.583	395.000	115.00	16.000
28	9:10: 0	1.667	415.000	115.00	20.000
29	9:15: 0	1.750	432.000	115.00	17.000
30	9:19:59	1.833	447.000	115.00	15.000
31	9:25: 0	1.917	463.000	115.00	16.000
32	9:30: 0	2.000	480.000	115.00	17.000
33	9:34:59	2.083	495.000	115.00	15.000
34	9:40: 0	2.167	509.000	115.00	14.000
35	9:45: 0	2.250	521.000	115.00	12.000
36	9:48: 0	2.300	692.000	115.00	171.000
37	9:51: 0	2.350	728.000	115.00	36.000
38	9:54: 0	2.400	752.000	115.00	24.000
39	9:57: 0	2.450	768.000	115.00	16.000
40	10: 0: 0	2.500	784.000	115.00	16.000
41	10: 3: 0	2.550	795.000	115.00	11.000
42	10: 6: 0	2.600	804.000	115.00	9.000
43	10: 9: 0	2.650	810.000	115.00	6.000
44	10:12: 0	2.700	817.000	115.00	7.000
45	10:15: 0	2.750	824.000	115.00	7.000
46	10:18: 0	2.800	830.000	115.00	6.000
47	10:21: 0	2.850	835.000	115.00	5.000
48	10:24: 0	2.900	838.000	115.00	3.000
49	10:27: 0	2.950	840.000	115.00	2.000
50	10:30: 0	3.000	841.000	115.00	1.000

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Abex.
DST 1

Lt # 11561

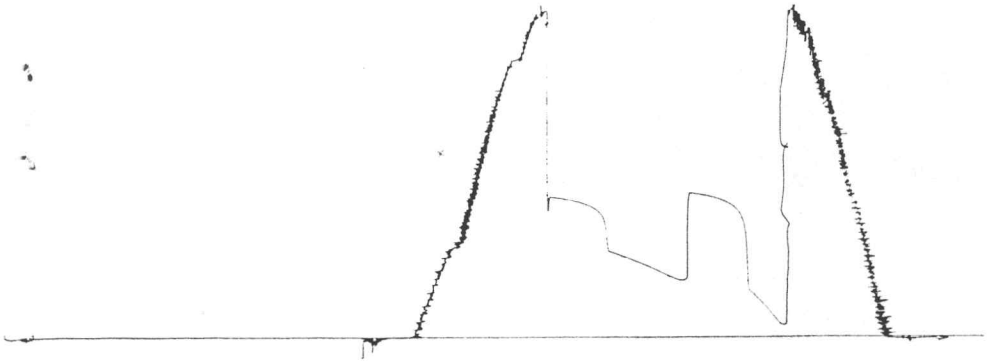
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COMPANY A L ABERCROMBIE, INC. LEASE & WELL NO. DORTHY FOOS #1 SEC. 11 TWP. 15S RGE. 29W TEST NO. 2 DATE 8/12/87

FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

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

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	: 8-12-87			TICKET	: 11562
CUSTOMER	: A.L. ABERCROMBIE INC.			LEASE	: DORTHY FOOS
WELL	: #1 TEST: 2			GEOLOGIST	: M. GAYLON
ELEVATION	: 2530 GL			FORMATION	: LANSING L
SECTION	: 11			TOWNSHIP	: 15S
RANGE	: 29W	COUNTY :	GOVE	STATE	: KANSAS
GAUGE SN#	: 1566	RANGE :	4300	CLOCK	: 12

INTERVAL FROM	: 3935	TO	: 3965	TOTAL DEPTH	: 3965
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 3930	SIZE	: 6.75		
PACKER DEPTH	: 3935	SIZE	: 6.75		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: COMPANY TOOLS	RIG #8	
MUD TYPE	: CHEMICAL	VISCOSITY	: 42
WEIGHT	: 9.1	WATER LOSS (CC)	: 9.6
CHLORIDES (PPM)	: 4000(?)		
JARS-MAKE	: -	SERIAL NUMBER	:
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 0	FT	I.D. inch	: 0.00	
WEIGHT PIPE LENGTH	: 637	FT	I.D. inch	: 2.70	
DRILL PIPE LENGTH	: 3278	FT	I.D. inch	: 3.80	
TEST TOOL LENGTH	: 20	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 : WEAK SURFACE BLOW THRU BOTH INITIAL & FINAL FLOWS.
BLOW COMMENT #2 :
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 70 FT OF: MUDDY WATER

CHLORIDES: 27000 PPM

Total Barrels Fluid = 0.50
Total Fluid Prod Rate = 11.90 BFPD
Indicated Wtr Rate = 5.95 BWPD

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

SET PACKER(S) : 12:30 PM TIME STARTED OFF BOTTOM : 2:30 PM
WELL TEMPERATURE : 116

INITIAL HYDROSTATIC PRESSURE			(A)	1982		
INITIAL FLOW PERIOD	MIN:	30	(B)	25	PSI TO (C) :	30
INITIAL CLOSED IN PERIOD	MIN:	30	(D)	810		
FINAL FLOW PERIOD	MIN:	30	(E)	73	PSI TO (F) :	68
FINAL CLOSED IN PERIOD	MIN:	30	(G)	750		
FINAL HYDROSTATIC PRESSURE			(H)	1969		

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY	: A.L. ABERCROMBIE INC.
RIG	: GOVE-KANSAS
FIELD	: DORTHY FOOS
WELL	: #1
DATE	: 8-12-87
GAUGE NO	: 1566

OPERATIONAL COMMENTS

COMPANY : A.L. ABERCROMBIE INC.
WELL : #1
GAUGE # : 1566
DATE : 12/ 8/87

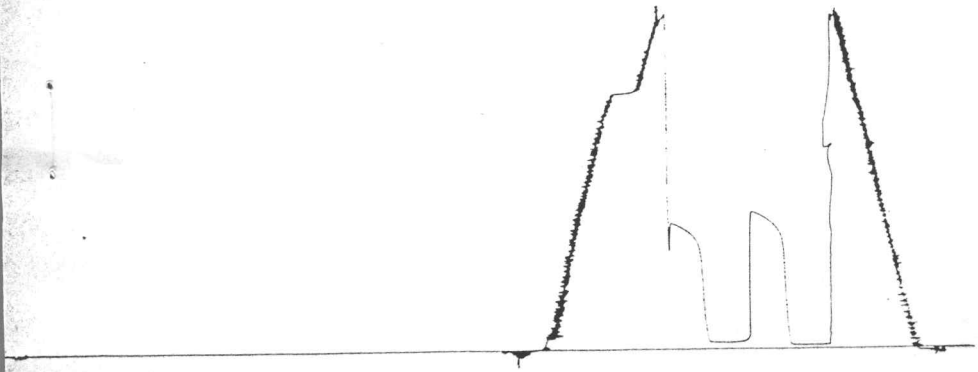
FIELD : DORTHY FOOS
JOB # : 11562
DEPTH : 3965
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	12:30: 0	0.000	25.000	116.00	0.000
2	12:34:59	0.083	26.000	116.00	1.000
3	12:40: 0	0.167	27.000	116.00	1.000
4	12:45: 0	0.250	28.000	116.00	1.000
5	12:49:59	0.333	29.000	116.00	1.000
6	12:55: 0	0.417	30.000	116.00	1.000
7	13: 0: 0	0.500	30.000	116.00	0.000
8	13: 3: 0	0.550	164.000	116.00	134.000
9	13: 6: 0	0.600	607.000	116.00	443.000
10	13: 9: 0	0.650	679.000	116.00	72.000
11	13:12: 0	0.700	710.000	116.00	31.000
12	13:15: 0	0.750	737.000	116.00	27.000
13	13:18: 0	0.800	758.000	116.00	21.000
14	13:21: 0	0.850	776.000	116.00	18.000
15	13:24: 0	0.900	789.000	116.00	13.000
16	13:27: 0	0.950	800.000	116.00	11.000
17	13:30: 0	1.000	810.000	116.00	10.000
18	13:31: 0	1.017	73.000	116.00	-737.000
19	13:34:59	1.083	73.000	116.00	0.000
20	13:40: 0	1.167	71.000	116.00	-2.000
21	13:45: 0	1.250	69.000	116.00	-2.000
22	13:49:59	1.333	68.000	116.00	-1.000
23	13:55: 0	1.417	68.000	116.00	0.000
24	14: 0: 0	1.500	68.000	116.00	0.000
25	14: 3: 0	1.550	177.000	116.00	109.000
26	14: 6: 0	1.600	523.000	116.00	346.000
27	14: 9: 0	1.650	613.000	116.00	90.000
28	14:12: 0	1.700	649.000	116.00	36.000
29	14:15: 0	1.750	673.000	116.00	24.000
30	14:18: 0	1.800	694.000	116.00	21.000
31	14:21: 0	1.850	710.000	116.00	16.000
32	14:24: 0	1.900	724.000	116.00	14.000
33	14:27: 0	1.950	739.000	116.00	15.000
34	14:30: 0	2.000	750.000	116.00	11.000

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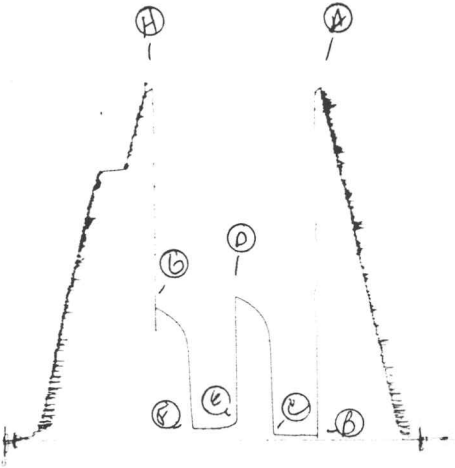


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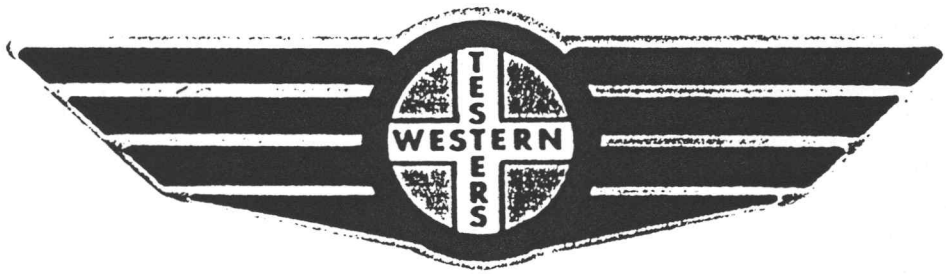
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FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

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

COMPANY A L ABERCROMBIE, INC. LEASE & WELL NO. DORTHY FOOS #1 SEC. 11 TWP. 15S RGE. 29W TEST NO. 3 DATE 8/14/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	: 8-14-87	TICKET	: 11563
CUSTOMER	: A.L. ABERCROMBIE INC.	LEASE	: DORTHY FOOS
WELL	: #1 TEST: 3	GEOLOGIST	: M. GAYLON
ELEVATION	: 2530 GL	FORMATION	: LANSING
SECTION	: 11	TOWNSHIP	: 15S
RANGE	: 29W COUNTY : GOVE	STATE	: KANSAS
GAUGE SN#	: 1566 RANGE : 4300	CLOCK	: 12

INTERVAL FROM	: 3821	TO	: 3875	TOTAL DEPTH	: 4335
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 3816	SIZE	: 6.75		
PACKER DEPTH	: 3821	SIZE	: 6.75		
PACKER DEPTH	: 3875	SIZE	: 6.75		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: COMPANY TOOLS	RIG #8	
MUD TYPE	: CHEMICAL	VISCOSITY	: 51
WEIGHT	: 9.3	WATER LOSS (CC)	: 14.4
CHLORIDES (PPM)	: 5000		
JARS-MAKE	: -	SERIAL NUMBER	:
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 0	FT	I.D. inch	: 0.00	
WEIGHT PIPE LENGTH	: 162	FT	I.D. inch	: 2.70	
DRILL PIPE LENGTH	: 3639	FT	I.D. inch	: 3.80	
TEST TOOL LENGTH	: 20	FT	TOOL SIZE	: 5.50	
ANCHOR LENGTH	: 54	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 SURFACE BLOW.
BLOW COMMENT #2 : FINAL FLOW-WEAK INTERMITTENT BLOW.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 65 FT OF: DRILLING MUD

CHLORIDES: 8000 PPM

Total Barrels Fluid = 0.46
Total Fluid Prod Rate = 11.05 BFPD
Indicated Wtr Rate = 1.10 BWPD

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

SET PACKER(S) : 11:50 AM TIME STARTED OFF BOTTOM : 1:50 PM
WELL TEMPERATURE : 114

INITIAL HYDROSTATIC PRESSURE			(A)	1964		
INITIAL FLOW PERIOD	MIN:	30	(B)	21	PSI TO (C) :	32
INITIAL CLOSED IN PERIOD	MIN:	30	(D)	1077		
FINAL FLOW PERIOD	MIN:	30	(E)	80	PSI TO (F) :	80
FINAL CLOSED IN PERIOD	MIN:	30	(G)	1035		
FINAL HYDROSTATIC PRESSURE			(H)	1960		

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY	:	A.L. ABERCROMBIE INC.
RIG	:	GOVE-KANSAS
FIELD	:	DORTHY FOOS
WELL	:	#1
DATE	:	8-14-87
GAUGE NO	:	1566

OPERATIONAL COMMENTS

COMPANY : A.L. ABERCROMBIE INC.
WELL : #1
GAUGE # : 1566
DATE : 14/ 8/87

FIELD : DORTHY FOOS
JOB # : 11563
DEPTH : 4335
TEST :

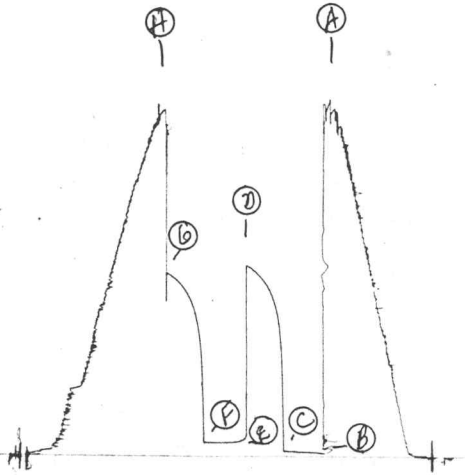
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	11:50: 0	0.000	21.000	114.00	0.000
2	11:54:59	0.083	26.000	114.00	5.000
3	12: 0: 0	0.167	28.000	114.00	2.000
4	12: 5: 0	0.250	29.000	114.00	1.000
5	12: 9:59	0.333	30.000	114.00	1.000
6	12:15: 0	0.417	31.000	114.00	1.000
7	12:20: 0	0.500	32.000	114.00	1.000
8	12:23: 0	0.550	609.000	114.00	577.000
9	12:26: 0	0.600	799.000	114.00	190.000
10	12:29: 0	0.650	888.000	114.00	89.000
11	12:32: 0	0.700	935.000	114.00	47.000
12	12:35: 0	0.750	976.000	114.00	41.000
13	12:38: 0	0.800	1003.000	114.00	27.000
14	12:41: 0	0.850	1029.000	114.00	26.000
15	12:44: 0	0.900	1049.000	114.00	20.000
16	12:47: 0	0.950	1065.000	114.00	16.000
17	12:50: 0	1.000	1077.000	114.00	12.000
18	12:51: 0	1.017	80.000	114.00	-997.000
19	12:54:59	1.083	80.000	114.00	0.000
20	13: 0: 0	1.167	80.000	114.00	0.000
21	13: 5: 0	1.250	80.000	114.00	0.000
22	13: 9:59	1.333	80.000	114.00	0.000
23	13:15: 0	1.417	80.000	114.00	0.000
24	13:20: 0	1.500	80.000	114.00	0.000
25	13:23: 0	1.550	582.000	114.00	502.000
26	13:26: 0	1.600	764.000	114.00	182.000
27	13:29: 0	1.650	846.000	114.00	82.000
28	13:32: 0	1.700	900.000	114.00	54.000
29	13:35: 0	1.750	941.000	114.00	41.000
30	13:38: 0	1.800	969.000	114.00	28.000
31	13:41: 0	1.850	989.000	114.00	20.000
32	13:44: 0	1.900	1009.000	114.00	20.000
33	13:47: 0	1.950	1025.000	114.00	16.000
34	13:50: 0	2.000	1035.000	114.00	10.000

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DST 3

JK # 11563

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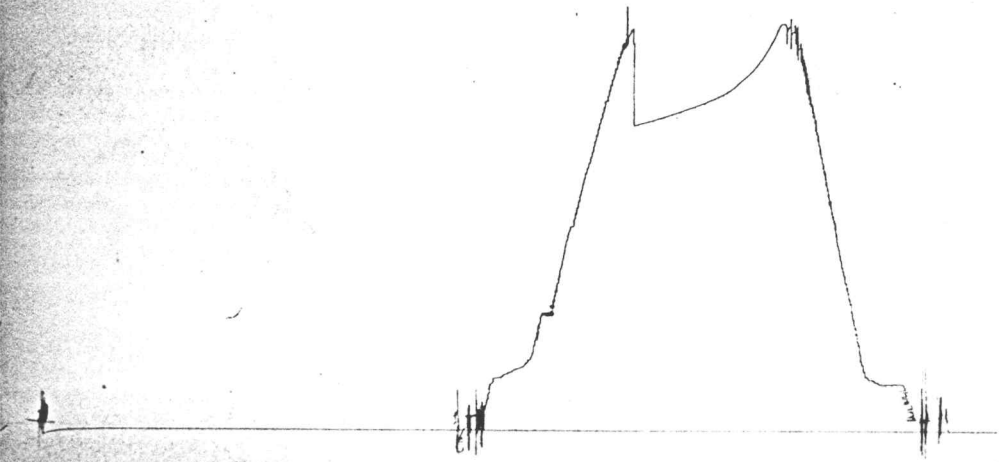


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DST 3

Lkt # 11562

Below Straddle



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Aber.
DST 3

JK # 11563

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