

WELL NAME: Weiss #1 "B"
OPERATOR: Abercrombie Drilling Inc
LOCATION: Sec 24 Rge 25s Twp 21w
Ford County Kansas
DATE: 3/22/96

TRILOBITE TESTING L.L.C.

OPERATOR : Abercrombie Drilling Inc
 WELL NAME: Weiss #1 "B"
 LOCATION : 24-25S-21W, Ford Cty KS
 INTERVAL : 4148.00 To 4174.00 ft

DATE 3-17-96

KB 2289.00 ft TICKET NO: 8923 DST #1
 GR 2284.00 ft FORMATION: Lansing "B"
 TD 4174.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 9 Rec.	10994	24174				PF Fr. to hr
SI 60 Range (Psi)	4250.0	3050.0	0.0	0.0	0.0	IS Fr. to hr
SF 30 Clock (hrs)	AK-1	AK-1				SF Fr. to hr
FS 60 Depth (ft)	3588.0	4153.0	0.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	0.0	0.0	0.0	T STARTED 0930 hr
B. First Flow	0.0	0.0	0.0	0.0	0.0	T ON BOTM 0945 hr
B1. Final Flow	0.0	0.0	0.0	0.0	0.0	T OPEN 0947 hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED 0950 hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 1005 hr
E. Final Flow	0.0	0.0	0.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	
G. Final Hydro	0.0	0.0	0.0	0.0	0.0	

TOOL DATA-----

Tool Wt.	1800.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	0.00 lbs
Initial Str Wt	22000.00 lbs
Unseated Str Wt	0.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	362.00 ft
D.P. Length	3771.00 ft

RECOVERY

Tot Fluid	15.00 ft of	15.00 ft in DC and	0.00 ft in DP
15.00	ft of Mud		
0.00	ft of		

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Tool hit sand bridge at 850' and would not go through. Tried setting all weight with no progress. Next tried opening tool to no avail. Pulled tool and ran bit to bottom to condition for next attempt.

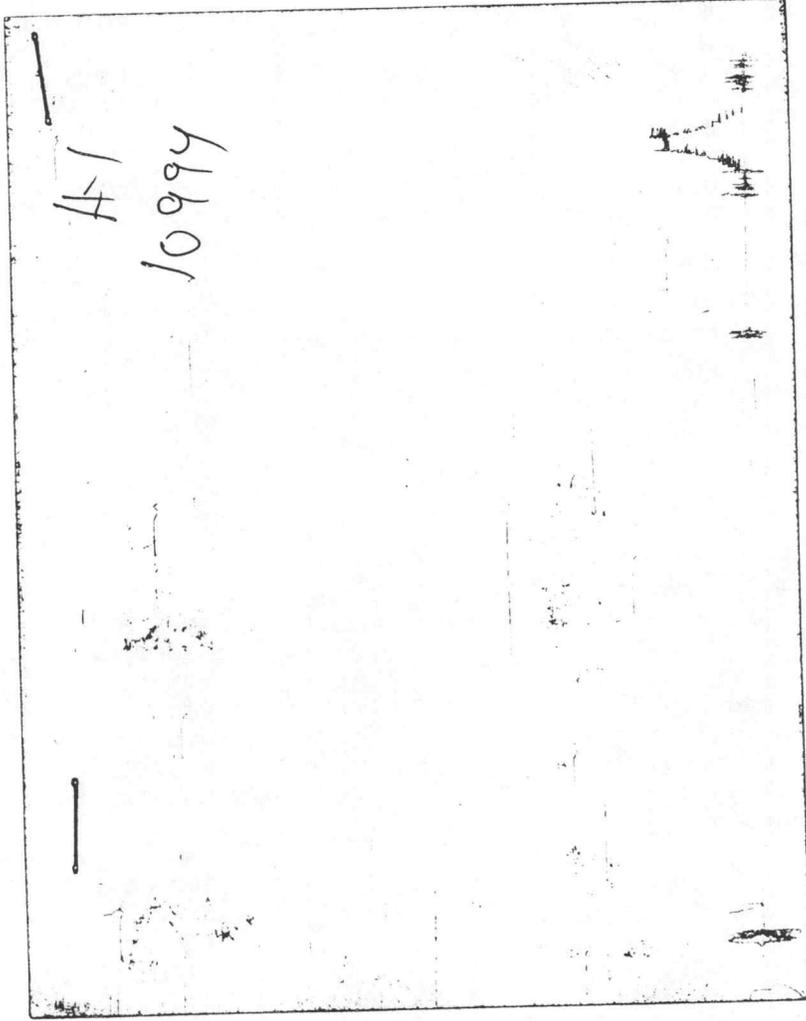
SAMPLES:
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/c
Vis.	50.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	0.00 F
Hole Condition	poor
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Paul Simpson
Co. Rep.	Steve Davis
Contr.	Abercrombie
Rig #	5
Unit #	
Pump T.	

Test Successful: N

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 8923

Well Name & No. <u>A1 Weiss B</u>	Test No. <u>1</u>	Date <u>3-17-96</u>
Company <u>Abercrombie Drilling Inc</u>	Zone Tested <u>LKC</u>	
Address <u>150 N Main #801 Wichita Ks 67202</u>	Elevation <u>2289</u> KB <u>2284</u> GL	
Co. Rep / Geo. <u>Steve Davis</u>	Cont. <u>Abercrombie #5</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>24</u> Twp. <u>25s</u> Rge. <u>2lw</u> Co. <u>Ford</u> State <u>KS</u>		
No. of Copies <u> </u> Distribution Sheet (Y, N) <u> </u> Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>		

Interval Tested <u>4148-4174</u>	Initial Str Wt./Lbs. <u>22,000</u> Unseated Str Wt./Lbs. <u> </u>
Anchor Length <u>28</u>	Wt. Set Lbs. <u>911</u> Wt. Pulled Loose/Lbs. <u> </u>
Top Packer Depth <u>4143</u>	Hole Size — 7 7/8" Rubber Size — 6 3/4"
Bottom Packer Depth <u>4148</u>	Wt. Pipe I.D. — 2.7 Ft. Run <u> </u>
Total Depth <u>4174</u>	Drill Collar — 2.25 Ft. Run <u>362</u>
Mud Wt. <u>8.9</u> LCM <u> </u> Vis. <u>50</u> WL <u>9.6</u>	Drill Pipe Size <u>4 1/2 x H</u> Ft. Run <u> </u>
Blow Description <u>hit sand bridge (c) would not go through - opened tool do no avail</u>	

Mis run

Recovery — Total Feet	Ft. in DC	Ft. in WP	Ft. in DP	%gas	%oil	%water	%mud
Rec. <u>15</u> Feet Of <u>mud</u>							
Rec. <u> </u> Feet Of <u> </u>							
Rec. <u> </u> Feet Of <u> </u>							
Rec. <u> </u> Feet Of <u> </u>							
Rec. <u> </u> Feet Of <u> </u>							

BHT °F Gravity °API D@ °F Corrected Gravity °API
RW @ °F Chlorides ppm Recovery Chlorides ppm System

(A) Initial Hydrostatic Mud <u> </u> PSI	Recorder No. <u>204174</u>	T-Started <u>0930</u>
(B) First Initial Flow Pressure <u> </u> PSI	@ (depth) <u> </u>	T-Open <u>0945</u>
(C) First Final Flow Pressure <u> </u> PSI	Recorder No. <u>10994</u>	T-Pulled <u>0950</u>
(D) Initial Shut-in Pressure <u> </u> PSI	@ (depth) <u> </u>	T-Out <u>1005</u>
(E) Second Initial Flow Pressure <u> </u> PSI	Recorder No. <u> </u>	
(F) Second Final Flow Pressure <u> </u> PSI	@ (depth) <u> </u>	
(G) Final Shut-in Pressure <u> </u> PSI	Initial Opening <u> </u>	Test <u>400</u>
(H) Final Hydrostatic Mud <u> </u> PSI	Initial Shut-in <u> </u>	Jars <u> </u>

Final Flow <u> </u>	Safety Joint <u> </u>
Final Shut-in <u> </u>	Straddle <u> </u>
	Circ. Sub <u> </u>
	Sampler <u> </u>
	Extra Packer <u> </u>
	Elect. Rec. <u> </u>
	Other <u> </u>
	TOTAL PRICE \$ <u>400</u>

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Steve Davis
Our Representative Karl Simpson

TRILOBITE TESTING L.L.C.

OPERATOR : Abercrombie Drilling Inc
 WELL NAME: Weiss #1 "B"
 LOCATION : 24-25S-21W, Ford Cty KS
 INTERVAL : 4146.00 To 4174.00 ft

DATE 3-17-96
 KB 2289.00 ft TICKET NO: 8924 DST #2
 GR 2284.00 ft FORMATION: Lansing "B"
 TD 4174.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	10994	10994	2341			PF Fr. 1824 to 1854 hr
SI 45	Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0	IS Fr. 1854 to 1939 hr
SF 60	Clock(hrs)	AK-1	AK-1	Alpin			SF Fr. 1939 to 2039 hr
FS 45	Depth(ft)	4169.0	4169.0	4151.0	0.0	0.0	FS Fr. 2039 to 2124 hr

	Field	1	2	3	4	
A. Init Hydro	2089.0	2071.0	2050.0	0.0	0.0	T STARTED 1640 hr
B. First Flow	53.0	26.0	20.0	0.0	0.0	T ON BOTM 1822 hr
B1. Final Flow	106.0	121.0	134.0	0.0	0.0	T OPEN 1824 hr
C. In Shut-in	1241.0	1251.0	1269.0	0.0	0.0	T PULLED 2124 hr
D. Init Flow	170.0	166.0	141.0	0.0	0.0	T OUT 2250 hr
E. Final Flow	213.0	213.0	236.0	0.0	0.0	
F. Fl Shut-in	1219.0	1227.0	1251.0	0.0	0.0	
G. Final Hydro	1983.0	1969.0	1942.0	0.0	0.0	
Inside/Outside	0	0	I			

TOOL DATA-----

Tool Wt.	1800.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	0.00 lbs
Initial Str Wt	50000.00 lbs
Unseated Str Wt	0.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	362.00 ft
D.P. Length	3771.00 ft

RECOVERY

Tot Fluid 450.00 ft of 362.00 ft in DC and 88.00 ft in DP
 180.00 ft of Muddy water
 270.00 ft of Salt water
 0.00 ft of
 0.00 ft of RW .17 @ 40 F
 SALINITY 80000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/c
Vis.	92.00 S/L
W.L.	8.00 in3
F.C.	0.00 in
Mud Drop N	

BLOW DESCRIPTION

Initial Flow -
 1" blow building to 8"
 Final Flow -
 Surface blow building to 3"

Amt. of fill	0.00 ft
Btm. H. Temp.	118.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Paul Simpson
Co. Rep.	Steve Davis
Contr.	Abercrombie
Rig #	5
Unit #	
Pump T.	

SAMPLES:
 SENT TO:

Test Successful: N

TEST HISTORY

8924 Abercrombie Drlg Weiss B #1 DST #2

Flag Points

t(Min.) P(PSig)

A:	0.00	2050.09
B:	0.00	20.21
C:	33.00	134.31
D:	44.00	1268.79
E:	0.00	141.23
F:	57.00	235.85
G:	46.00	1250.91
Q:	0.00	1942.08

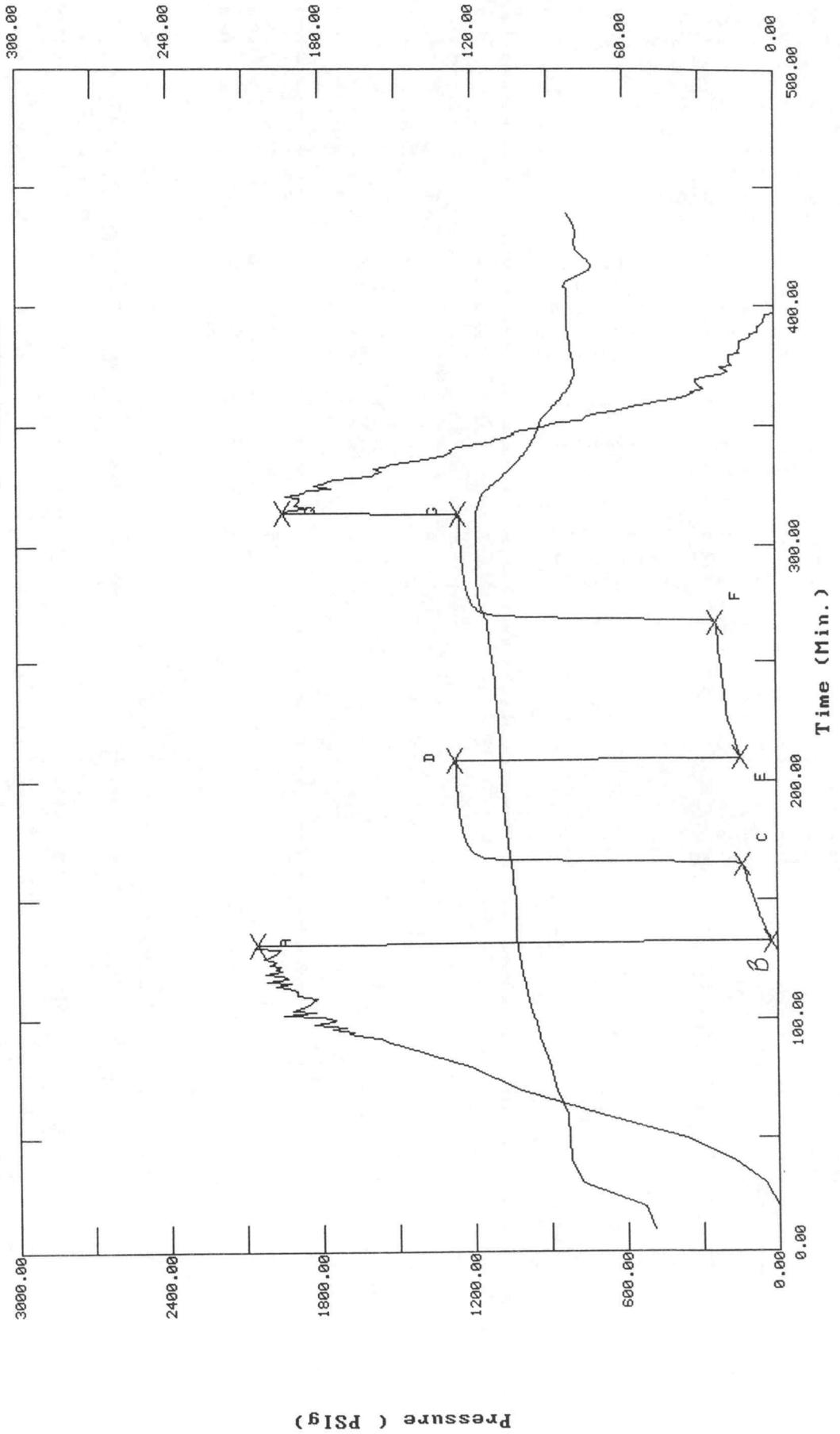
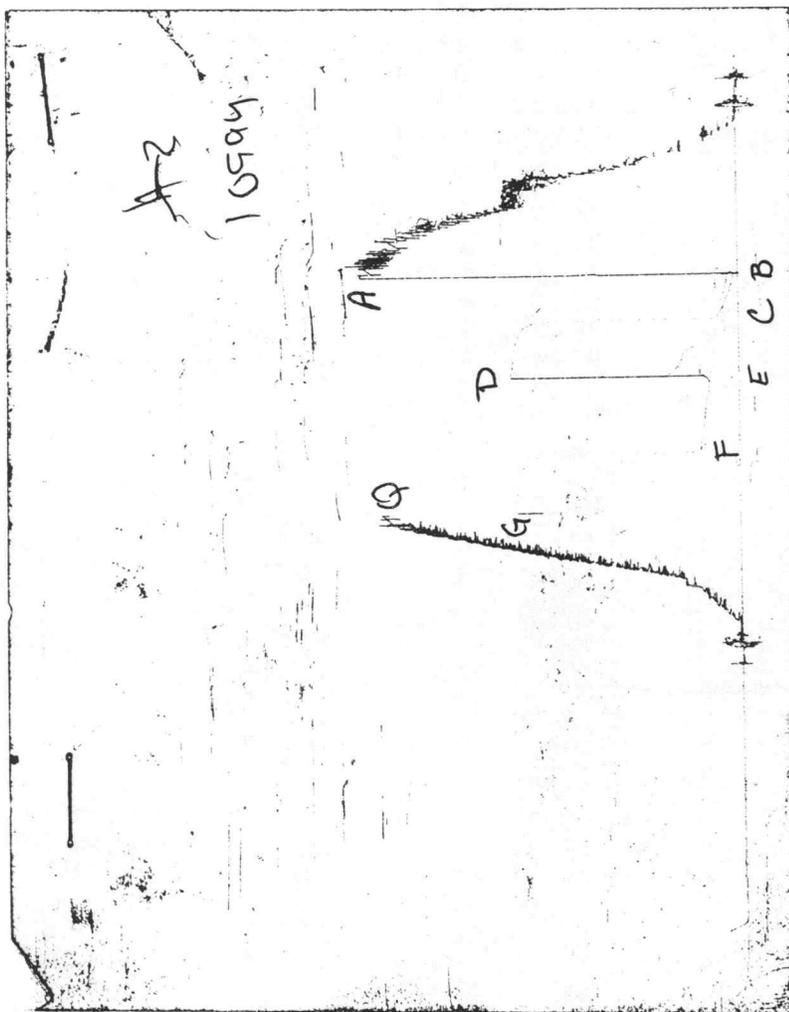


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8924 Abercrombie Drlg Weiss B #1 DST #2

DATE: 03/17/96 TIME: 16:11:58

	Time	Pressure PSI _g	delta P PSI _g	P	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	131.00	2050.1	0.0		102.72		
***** Start Flow 1	0.00	20.2	0.0		102.80		
	1.00	26.3	6.1		102.91		
	2.00	30.4	10.2		102.99		
	3.00	34.9	14.7		103.04		
	4.00	39.6	19.4		103.07		
	5.00	44.2	24.0		103.09		
	6.00	48.6	28.4		103.10		
	7.00	52.3	32.1		103.10		
	8.00	56.1	35.9		103.09		
	9.00	59.7	39.5		103.10		
	10.00	63.3	43.1		103.11		
	11.00	66.7	46.5		103.10		
	12.00	70.2	50.0		103.11		
	13.00	73.7	53.5		103.12		
	14.00	76.7	56.5		103.13		
	15.00	79.9	59.6		103.14		
	16.00	82.8	62.6		103.17		
	17.00	85.9	65.7		103.21		
	18.00	89.1	68.9		103.25		
	19.00	92.4	72.2		103.31		
	20.00	95.6	75.4		103.40		
	21.00	98.8	78.6		103.50		
	22.00	101.9	81.7		103.63		
	23.00	105.2	85.0		103.81		
	24.00	108.5	88.2		103.97		
	25.00	111.6	91.4		104.10		
	26.00	114.8	94.6		104.20		
	27.00	117.7	97.5		104.29		
	28.00	120.7	100.5		104.35		
	29.00	123.6	103.4		104.44		
	30.00	126.6	106.4		104.51		
	31.00	129.3	109.1		104.59		
	32.00	131.9	111.7		104.67		
***** End Flow 1	33.00	134.3	114.1		104.78		
***** Start Shutin 1	0.00	134.3	0.0		104.78	0.0000	0.018
	1.00	183.3	48.9		104.88	34.0000	0.034
	2.00	1071.9	937.6		105.07	17.5000	1.149
	3.00	1153.8	1019.5		105.23	12.0000	1.331
	4.00	1179.8	1045.5		105.40	9.2500	1.392
	5.00	1194.5	1060.2		105.55	7.6000	1.427
	6.00	1204.6	1070.3		105.72	6.5000	1.451
	7.00	1212.3	1078.0		105.83	5.7143	1.470
	8.00	1218.4	1084.1		105.98	5.1250	1.484
	9.00	1223.3	1089.0		106.12	4.6667	1.497
	10.00	1227.6	1093.3		106.26	4.3000	1.507
	11.00	1231.3	1097.0		106.39	4.0000	1.516
	12.00	1234.6	1100.2		106.52	3.7500	1.524
	13.00	1237.4	1103.1		106.65	3.5385	1.531
	14.00	1239.8	1105.5		106.75	3.3571	1.537
	15.00	1242.1	1107.8		106.88	3.2000	1.543

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8924 Abercrombie Drlg Weiss B #1 DST #2

DATE: 03/17/96

TIME: 16:11:58

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	16.00	1244.2	1109.9	106.98	3.0625	1.548
	17.00	1246.1	1111.8	107.09	2.9412	1.553
	18.00	1247.8	1113.5	107.19	2.8333	1.557
	19.00	1249.3	1115.0	107.27	2.7368	1.561
	20.00	1250.9	1116.6	107.38	2.6500	1.565
	21.00	1252.2	1117.9	107.46	2.5714	1.568
	22.00	1253.5	1119.2	107.57	2.5000	1.571
	23.00	1254.7	1120.4	107.63	2.4348	1.574
	24.00	1255.7	1121.4	107.69	2.3750	1.577
	25.00	1256.8	1122.5	107.80	2.3200	1.580
	26.00	1257.7	1123.4	107.87	2.2692	1.582
	27.00	1258.6	1124.3	107.95	2.2222	1.584
	28.00	1259.5	1125.2	108.01	2.1786	1.586
	29.00	1260.3	1126.0	108.09	2.1379	1.588
	30.00	1261.1	1126.8	108.15	2.1000	1.590
	31.00	1261.9	1127.6	108.21	2.0645	1.592
	32.00	1262.5	1128.2	108.30	2.0312	1.594
	33.00	1263.2	1128.9	108.34	2.0000	1.596
	34.00	1263.8	1129.5	108.41	1.9706	1.597
	35.00	1264.4	1130.1	108.46	1.9429	1.599
	36.00	1265.0	1130.7	108.52	1.9167	1.600
	37.00	1265.5	1131.2	108.58	1.8919	1.602
	38.00	1266.0	1131.7	108.64	1.8684	1.603
	39.00	1266.6	1132.3	108.70	1.8462	1.604
	40.00	1267.1	1132.8	108.76	1.8250	1.605
	41.00	1267.6	1133.3	108.82	1.8049	1.607
	42.00	1268.0	1133.7	108.89	1.7857	1.608
	43.00	1268.4	1134.1	108.93	1.7674	1.609
***** End Shut-in 1	44.00	1268.8	1134.5	108.97	1.7500	1.610
***** Start Flow 2	0.00	141.2	0.0	108.97		
	1.00	143.6	2.3	108.98		
	2.00	146.3	5.1	108.99		
	3.00	149.3	8.1	109.00		
	4.00	152.1	10.8	109.03		
	5.00	154.8	13.6	109.05		
	6.00	157.6	16.4	109.09		
	7.00	160.3	19.1	109.14		
	8.00	163.7	22.5	109.20		
	9.00	167.1	25.9	109.25		
	10.00	170.5	29.3	109.32		
	11.00	174.0	32.7	109.41		
	12.00	177.1	35.9	109.47		
	13.00	180.5	39.2	109.55		
	14.00	183.8	42.6	109.63		
	15.00	187.2	45.9	109.73		
	16.00	190.0	48.8	109.82		
	17.00	191.6	50.4	109.91		
	18.00	192.9	51.7	110.00		
	19.00	194.1	52.9	110.09		
	20.00	195.3	54.0	110.20		
	21.00	196.3	55.1	110.30		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8924 Abercrombie Drlg Weiss B #1 DST #2

DATE: 03/17/96 TIME: 16:11:58

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶	
22.00	197.5	56.3	110.40			
23.00	198.7	57.4	110.49			
24.00	199.8	58.6	110.57			
25.00	200.9	59.7	110.63			
26.00	202.0	60.8	110.70			
27.00	203.1	61.9	110.72			
28.00	204.2	63.0	110.76			
29.00	205.4	64.1	110.80			
30.00	206.9	65.6	110.86			
31.00	207.9	66.7	110.93			
32.00	209.0	67.8	111.00			
33.00	210.2	68.9	111.08			
34.00	211.3	70.1	111.16			
35.00	212.4	71.1	111.25			
36.00	213.5	72.3	111.33			
37.00	214.6	73.4	111.44			
38.00	215.8	74.5	111.55			
39.00	216.9	75.6	111.69			
40.00	218.1	76.9	111.84			
41.00	219.2	78.0	111.99			
42.00	220.6	79.4	112.16			
43.00	221.9	80.6	112.31			
44.00	223.2	81.9	112.49			
45.00	224.2	83.0	112.65			
46.00	225.6	84.3	112.81			
47.00	226.8	85.6	112.96			
48.00	225.5	84.3	113.11			
49.00	226.5	85.2	113.17			
50.00	227.7	86.5	113.30			
51.00	228.8	87.6	113.41			
52.00	229.9	88.7	113.49			
53.00	231.0	89.8	113.59			
54.00	232.1	90.9	113.66			
55.00	233.2	92.0	113.79			
56.00	234.2	93.0	113.94			
57.00	235.9	94.6	114.06			
***** End Flow 2						
***** Start Shutin 2	0.00	235.9	0.0	114.06	0.0000	0.056
	1.00	261.9	26.1	114.19	91.0000	0.069
	2.00	778.1	542.2	114.52	46.0000	0.605
	3.00	1110.3	874.5	114.89	31.0000	1.233
	4.00	1157.6	921.8	115.29	23.5000	1.340
	5.00	1175.4	939.6	115.70	19.0000	1.382
	6.00	1182.9	947.0	116.09	16.0000	1.399
	7.00	1192.7	956.8	116.43	13.8571	1.423
	8.00	1199.0	963.2	116.71	12.2500	1.438
	9.00	1204.0	968.2	116.94	11.0000	1.450
	10.00	1208.2	972.4	117.12	10.0000	1.460
	11.00	1211.6	975.8	117.31	9.1818	1.468
	12.00	1215.0	979.1	117.44	8.5000	1.476
	13.00	1218.0	982.1	117.57	7.9231	1.483
	14.00	1220.7	984.8	117.67	7.4286	1.490

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8924 Abercrombie Drlg Weiss B #1 DST #2

DATE: 03/17/96 TIME: 16:11:58

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶	
15.00	1222.9	987.1	117.77	7.0000	1.496	
16.00	1225.1	989.3	117.85	6.6250	1.501	
17.00	1226.8	990.9	117.93	6.2941	1.505	
18.00	1228.4	992.6	118.00	6.0000	1.509	
19.00	1230.2	994.3	118.02	5.7368	1.513	
20.00	1231.6	995.8	118.06	5.5000	1.517	
21.00	1232.9	997.1	118.09	5.2857	1.520	
22.00	1234.2	998.4	118.16	5.0909	1.523	
23.00	1235.4	999.6	118.17	4.9130	1.526	
24.00	1236.6	1000.7	118.18	4.7500	1.529	
25.00	1237.6	1001.7	118.21	4.6000	1.532	
26.00	1239.0	1003.2	118.20	4.4615	1.535	
27.00	1239.9	1004.0	118.20	4.3333	1.537	
28.00	1239.8	1003.9	118.21	4.2143	1.537	
29.00	1240.6	1004.8	118.20	4.1034	1.539	
30.00	1241.4	1005.6	118.19	4.0000	1.541	
31.00	1242.2	1006.4	118.19	3.9032	1.543	
32.00	1242.9	1007.1	118.19	3.8125	1.545	
33.00	1243.6	1007.8	118.18	3.7273	1.547	
34.00	1244.3	1008.5	118.17	3.6471	1.548	
35.00	1245.0	1009.1	118.16	3.5714	1.550	
36.00	1245.6	1009.7	118.15	3.5000	1.551	
37.00	1246.2	1010.4	118.15	3.4324	1.553	
38.00	1246.8	1010.9	118.12	3.3684	1.554	
39.00	1247.4	1011.5	118.12	3.3077	1.556	
40.00	1247.9	1012.0	118.10	3.2500	1.557	
41.00	1248.4	1012.6	118.09	3.1951	1.559	
42.00	1249.0	1013.1	118.08	3.1429	1.560	
43.00	1249.5	1013.6	118.06	3.0930	1.561	
44.00	1250.0	1014.1	118.04	3.0455	1.563	
45.00	1250.5	1014.6	118.02	3.0000	1.564	
***** End Shut-in 2	46.00	1250.9	1015.1	118.02	2.9565	1.565
***** Final Hydro.	314.00	1942.1	0.0	118.01		

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Weiss #1 "B"

LOCATION : 24 25s 21w Ford Cty KS

TICKET No. 8923 D.S.T. No. 2 DATE 3-17-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 21

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 28

TOTAL TOOL 49

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands4 Single Total 362

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 411

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands49 Single Total 3771

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4182

TOTAL DEPTH 4174

TOTAL DRILL PIPE ABOVE K.B. 8

REMARKS:

P.O. SUB	
C.O. SUB top of tool	4126
S.I. TOOL H&T	4132
HMV Sterling	4137
JARS n\a	
SAFETY JOINT n\a	
PACKER Top Packer	4141
PACKER Bottom Packer	4146
DEPTH 4146	
STUBB 4147	
ANCHOR	
4' perf	4151
Alpine recorder	4151
5' perf	4156
5' perf	4161
5' perf	4166
T.C.	
DEPTH	
5' perf	4171
3' bull plug	
BULLNOSE	to
T.D.	4174

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 8924

Well Name & No. A1 Weiss B Test No. 2 Date 3-17-96
 Company Abercrombie Drilling Inc Zone Tested LKC B
 Address _____ Elevation 2289 KB 2284 GL
 Co. Rep / Geo. Steve Davis Cont. Abercrombie #5 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 24 Twp. 25S Rge. 21w Co. Ford State Ks
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4148-4174 Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. _____
 Anchor Length 28 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. _____
 Top Packer Depth 4149 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Bottom Packer Depth 4148 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 4174 Drill Collar — 2.25 Ft. Run 362
 Mud Wt. 9.0 LCM _____ Vis. 93 WL 8.0 Drill Pipe Size 4 1/2 IH Ft. Run 3771 402
 Blow Description 1" blow building to 8"
88" surface blow building to 3"

Recovery — Total Feet	Ft. in DC	Ft. in WP	Ft. in DP	%gas	%oil	%water	%mud
Rec. <u>180</u>	Feet Of <u>MW</u>		<u>88</u>				
Rec. <u>270</u>	Feet Of <u>salt water</u>						
Rec. _____	Feet Of _____						
Rec. _____	Feet Of _____						
Rec. _____	Feet Of _____						

BHT 118 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
 RW 17 @ 40 °F Chlorides 80,000 ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud 2089 PSI Recorder No. 2241 T-Started 1640
 (B) First Initial Flow Pressure 53 PSI @ (depth) 4153 T-Open 18:24
 (C) First Final Flow Pressure 106 PSI Recorder No. 10994 T-Pulled 21:24
 (D) Initial Shut-in Pressure 1241 PSI @ (depth) 4169 T-Out 2250
 (E) Second Initial Flow Pressure 170 PSI Recorder No. _____
 (F) Second Final Flow Pressure 213 PSI @ (depth) _____
 (G) Final Shut-in Pressure 1219 PSI Initial Opening 30 Test 600
 (H) Final Hydrostatic Mud 1983 PSI Initial Shut-in 45 Jars _____

Final Flow 60 Safety Joint _____
 Final Shut-in 45 Straddle _____
 _____ Circ. Sub _____
 _____ Sampler _____

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By [Signature]
 Our Representative Paul Simpson

Extra Packer _____
 Elect. Rec. N h/c
 Other _____
 TOTAL PRICE \$ 600

TRILOBITE TESTING L.L.C.

OPERATOR : Abercrombie Drilling Inc
 WELL NAME: Weiss #1 "B"
 LOCATION : 24-25S-21W, Ford Cty KS
 INTERVAL : 4646.00 To 4680.00 ft

DATE 3-19-96
 KB 2289.00 ft TICKET NO: 8925 DST #3
 GR 2284.00 ft FORMATION: Cherokee
 TD 4680.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	10994	10994	2341			PF Fr. 0924 to 0954 hr
SI 45	Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0	IS Fr. 0954 to 1039 hr
SF 60	Clock(hrs)	AK-1	AK-1	Alpin			SF Fr. 1039 to 1139 hr
FS 45	Depth(ft)	4675.0	4675.0	4649.0	0.0	0.0	FS Fr. 1139 to 1224 hr

	Field	1	2	3	4	
A. Init Hydro	2489.0	2483.0	2417.0	0.0	0.0	T STARTED 0744 hr
B. First Flow	42.0	32.0	22.0	0.0	0.0	T ON BOTM 0922 hr
B1. Final Flow	42.0	32.0	20.0	0.0	0.0	T OPEN 0924 hr
C. In Shut-in	53.0	38.0	38.0	0.0	0.0	T PULLED 1224 hr
D. Init Flow	42.0	33.0	20.0	0.0	0.0	T OUT 1400 hr
E. Final Flow	42.0	33.0	21.0	0.0	0.0	
F. Fl Shut-in	53.0	43.0	47.0	0.0	0.0	
G. Final Hydro	2230.0	2291.0	2293.0	0.0	0.0	TOOL DATA-----
Inside/Outside	0	0	I			Tool Wt. 1800.00 lbs

RECOVERY

Tot Fluid 15.00 ft of 15.00 ft in DC and 0.00 ft in DP
 15.00 ft of Gassy heavy mud
 0.00 ft of
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -
 Weak .25" blow throughout

Initial Shutin -
 No blow

Final Flow -
 Weak .125" blow throughout

Final Shutin -
 No blow

SAMPLES:
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.50 lb/c
Vis.	66.00 S/L
W.L.	12.80 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	117.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Paul Simpson
Co. Rep.	Steve Davis
Contr.	Abercrombie
Rig #	5
Unit #	
Pump T.	

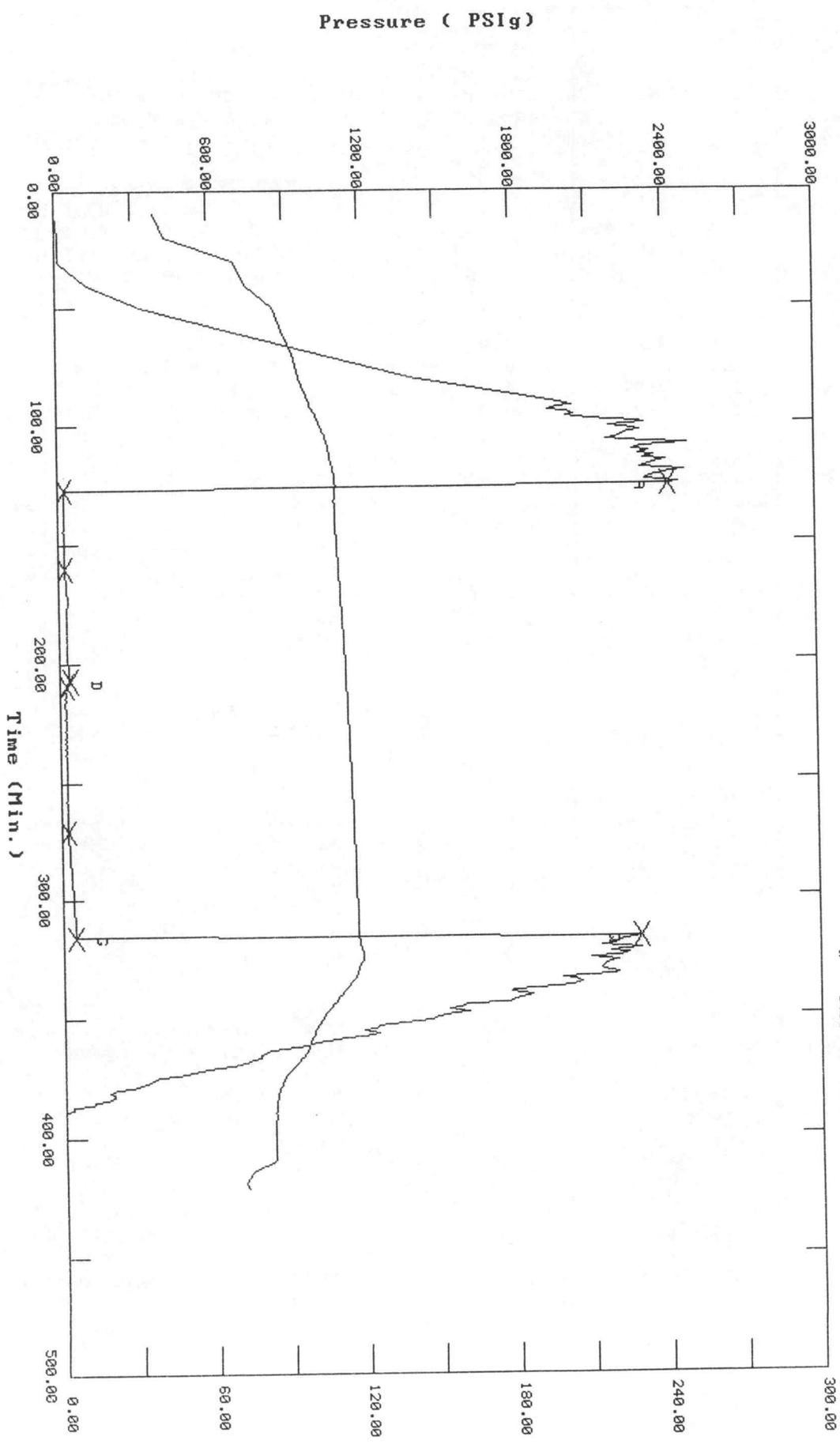
Test Successful: Y

TEST HISTORY

8925 Abercrombie Drig Weiss "B" #1 DST #3

Flag Points

t (Min.)	P (PSIG)
R: 0.00	2417.20
B: 0.00	22.26
C: 33.00	20.04
D: 47.00	37.50
E: 0.00	19.60
F: 62.00	21.14
G: 45.00	47.11
Q: 0.00	2292.93



Pressure (PSIG)

Temperature (DEG F)

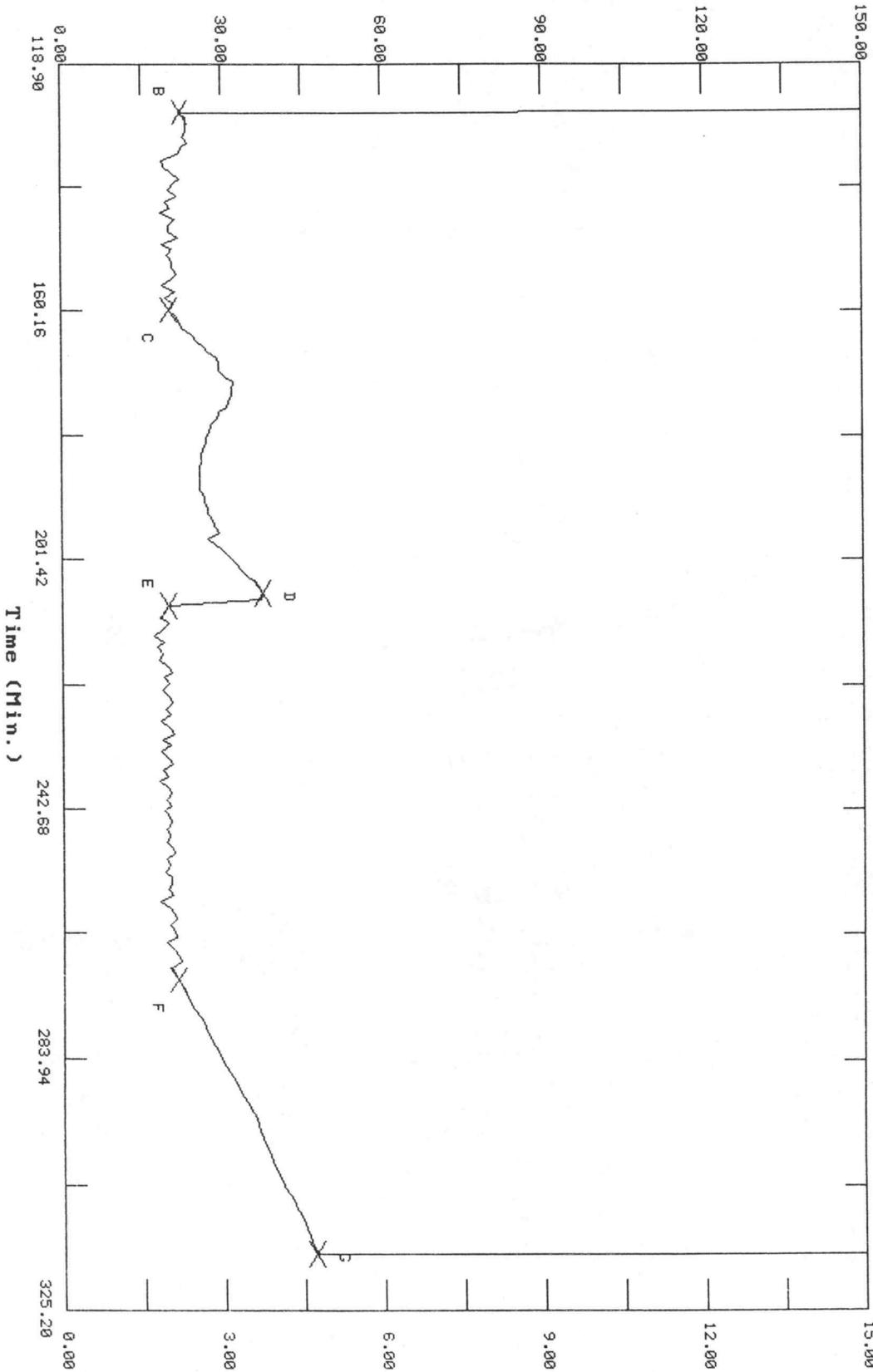
Time (Min.)

8925 Abercrombie Drilg Weiss "B" #1 DST #3

TEST HISTORY

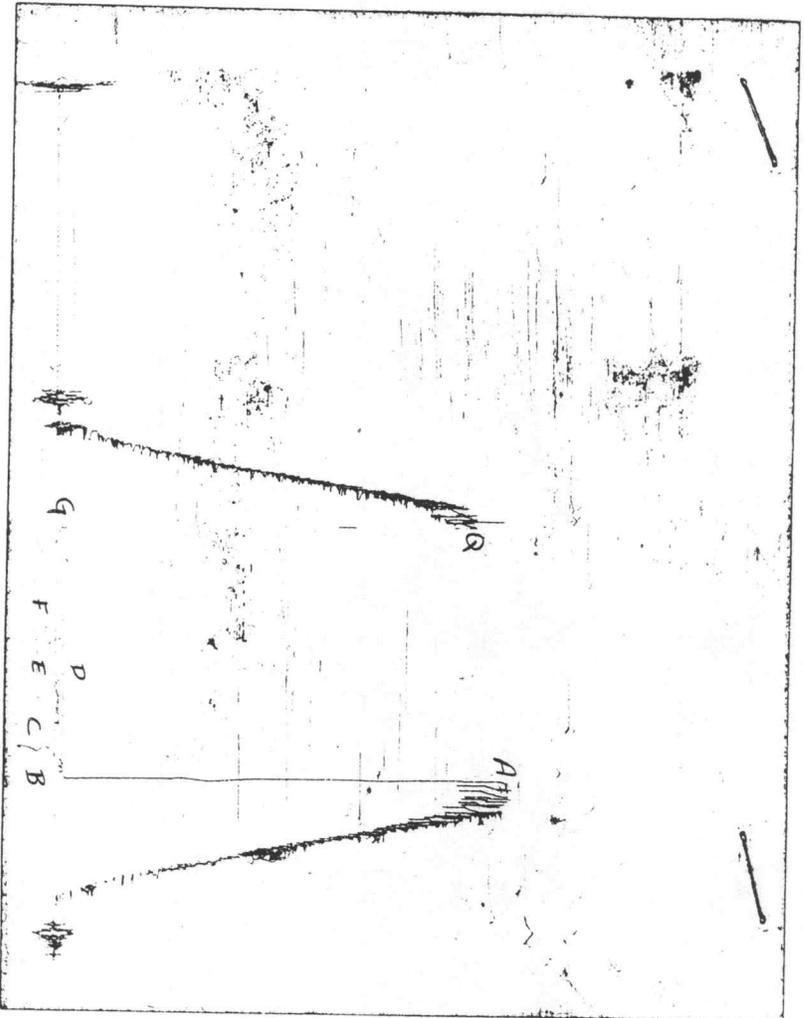
Flag Points

t(Min.)	P(PSIg)
R: 0.00	2417.20
B: 0.00	22.26
C: 33.00	20.04
D: 47.00	37.50
E: 0.00	19.60
F: 62.00	21.14
G: 45.00	47.11
Q: 0.00	2292.93



Temperature (DEG F)

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8925 Abercrombie Drlg Weiss "B" #1 DST #3

DATE: 03/19/96

TIME: 07:16:21

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	126.00	2417.2	0.0	110.02		
***** Start Flow 1	0.00	22.3	0.0	109.63		
	1.00	23.3	1	109.59		
	2.00	23.3	1.1	109.54		
	3.00	23.2	0.9	109.48		
	4.00	22.8	0.5	109.44		
	5.00	23.8	1.5	109.40		
	6.00	22.3	0.0	109.40		
	7.00	21.8	-0.5	109.41		
	8.00	18.7	-3.6	109.44		
	9.00	19.2	-3.1	109.46		
	10.00	20.6	-1.7	109.49		
	11.00	22.3	-0.0	109.51		
	12.00	20.9	-1.3	109.57		
	13.00	20.1	-2.2	109.63		
	14.00	21.6	-0.6	109.65		
	15.00	19.5	-2.7	109.72		
	16.00	20.4	-1.8	109.78		
	17.00	18.5	-3.8	109.84		
	18.00	21.1	-1.2	109.89		
	19.00	20.0	-2.2	109.95		
	20.00	20.0	-2.3	110.03		
	21.00	21.7	-0.5	110.07		
	22.00	18.7	-3.5	110.14		
	23.00	20.8	-1.5	110.18		
	24.00	19.8	-2.5	110.25		
	25.00	20.6	-1.7	110.32		
	26.00	20.7	-1.6	110.36		
	27.00	21.5	-0.7	110.43		
	28.00	20.7	-1.5	110.49		
	29.00	18.7	-3.5	110.54		
	30.00	21.1	-1.2	110.61		
	31.00	19.5	-2.8	110.66		
	32.00	21.0	-1.2	110.73		
***** End Flow 1	33.00	20.0	-2.2	110.79		
***** Start Shutin 1	0.00	20.0	0.0	110.79	0.0000	0.000
	1.00	21.1	1.1	110.84	34.0000	0.000
	2.00	21.8	1.8	110.91	17.5000	0.000
	3.00	22.5	2.5	110.97	12.0000	0.001
	4.00	24.3	4.2	111.03	9.2500	0.001
	5.00	25.2	5.1	111.09	7.6000	0.001
	6.00	26.3	6.2	111.15	6.5000	0.001
	7.00	27.2	7.1	111.21	5.7143	0.001
	8.00	29.0	8.9	111.27	5.1250	0.001
	9.00	29.3	9.3	111.31	4.6667	0.001
	10.00	29.2	9.2	111.37	4.3000	0.001
	11.00	30.5	10.4	111.44	4.0000	0.001
	12.00	32.0	11.9	111.50	3.7500	0.001
	13.00	31.9	11.8	111.56	3.5385	0.001
	14.00	31.8	11.7	111.62	3.3571	0.001
	15.00	31.3	11.2	111.67	3.2000	0.001

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8925 Abercrombie Drlg Weiss "B" #1 DST #3

DATE: 03/19/96 TIME: 07:16:21

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
16.00	30.9	10.9	111.73	3.0625	0.001
17.00	29.4	9.4	111.79	2.9412	0.001
18.00	28.9	8.8	111.85	2.8333	0.001
19.00	27.9	7.9	111.92	2.7368	0.001
20.00	27.5	7.4	111.97	2.6500	0.001
21.00	27.0	7.0	112.04	2.5714	0.001
22.00	26.8	6.8	112.10	2.5000	0.001
23.00	26.2	6.1	112.16	2.4348	0.001
24.00	26.1	6.1	112.24	2.3750	0.001
25.00	26.1	6.0	112.29	2.3200	0.001
26.00	25.7	5.6	112.35	2.2692	0.001
27.00	25.8	5.8	112.41	2.2222	0.001
28.00	25.6	5.6	112.47	2.1786	0.001
29.00	25.9	5.8	112.54	2.1379	0.001
30.00	25.8	5.8	112.60	2.1000	0.001
31.00	26.7	6.6	112.65	2.0645	0.001
32.00	26.5	6.5	112.71	2.0312	0.001
33.00	27.2	7.2	112.76	2.0000	0.001
34.00	27.3	7.2	112.82	1.9706	0.001
35.00	28.0	8.0	112.86	1.9429	0.001
36.00	28.4	8.4	112.92	1.9167	0.001
37.00	29.5	9.4	112.97	1.8919	0.001
38.00	27.2	7.1	113.03	1.8684	0.001
39.00	28.5	8.5	113.08	1.8462	0.001
40.00	29.9	9.8	113.11	1.8250	0.001
41.00	31.0	11.0	113.12	1.8049	0.001
42.00	32.2	12.1	113.15	1.7857	0.001
43.00	33.3	13.2	113.20	1.7674	0.001
44.00	34.5	14.4	113.24	1.7500	0.001
45.00	35.5	15.5	113.29	1.7333	0.001
46.00	36.6	16.6	113.35	1.7174	0.001
47.00	37.5	17.5	113.38	1.7021	0.001
***** End Shut-in 1					
***** Start Flow 2	0.00	19.6	0.0	113.46	
	1.00	19.2	-0.4	113.50	
	2.00	18.1	-1.5	113.54	
	3.00	19.8	0.2	113.58	
	4.00	18.6	-1	113.63	
	5.00	17.1	-2.5	113.67	
	6.00	18.7	-0.9	113.72	
	7.00	17.7	-1.9	113.76	
	8.00	18.5	-1.1	113.81	
	9.00	17.9	-1.7	113.86	
	10.00	19.4	-0.2	113.90	
	11.00	20.3	0.7	113.94	
	12.00	18.7	-0.9	113.99	
	13.00	19.7	0.1	114.03	
	14.00	18.5	-1.1	114.08	
	15.00	19.7	0.1	114.11	
	16.00	20.3	0.7	114.16	
	17.00	19.2	-0.4	114.20	
	18.00	20.0	0.4	114.24	

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8925 Abercrombie Drlg Weiss "B" #1 DST #3

DATE: 03/19/96

TIME: 07:16:21

	Time	Pressure PSI _g	delta P PSI _g	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	19.00	18.2	-1.4	114.27		
	20.00	19.7	0.1	114.31		
	21.00	20.7	1.1	114.36		
	22.00	18.5	-1.1	114.38		
	23.00	19.9	0.3	114.43		
	24.00	18.1	-1.5	114.46		
	25.00	19.5	-0.1	114.50		
	26.00	20.3	0.7	114.53		
	27.00	18.5	-1.1	114.57		
	28.00	19.3	-0.3	114.60		
	29.00	18.0	-1.6	114.64		
	30.00	19.3	-0.3	114.69		
	31.00	20.0	0.4	114.73		
	32.00	19.2	-0.5	114.76		
	33.00	19.9	0.3	114.79		
	34.00	18.8	-0.8	114.83		
	35.00	19.7	0.1	114.88		
	36.00	20.0	0.4	114.90		
	37.00	19.1	-0.5	114.95		
	38.00	19.6	0.0	114.99		
	39.00	19.1	-0.5	115.02		
	40.00	20.0	0.4	115.06		
	41.00	20.5	0.9	115.09		
	42.00	19.2	-0.4	115.13		
	43.00	19.8	0.2	115.17		
	44.00	18.9	-0.7	115.21		
	45.00	19.9	0.3	115.24		
	46.00	20.2	0.6	115.28		
	47.00	19.4	-0.2	115.33		
	48.00	20.2	0.6	115.35		
	49.00	17.9	-1.7	115.40		
	50.00	19.6	0.0	115.42		
	51.00	20.4	0.8	115.46		
	52.00	20.9	1.2	115.49		
	53.00	19.6	0.0	115.53		
	54.00	20.6	1	115.57		
	55.00	21.0	1.4	115.60		
	56.00	19.1	-0.5	115.63		
	57.00	20.4	0.8	115.66		
	58.00	21.1	1.5	115.70		
	59.00	21.7	2.1	115.74		
	60.00	19.9	0.3	115.75		
	61.00	20.5	0.9	115.79		
***** End Flow 2	62.00	21.1	1.5	115.82		
***** Start Shutin 2	0.00	21.1	0.0	115.82	0.0000	0.000
	1.00	21.7	0.5	115.85	96.0000	0.000
	2.00	22.3	1.2	115.88	48.5000	0.000
	3.00	23.0	1.9	115.91	32.6667	0.001
	4.00	23.5	2.4	115.95	24.7500	0.001
	5.00	24.1	3.0	115.97	20.0000	0.001
	6.00	25.2	4.1	115.99	16.8333	0.001

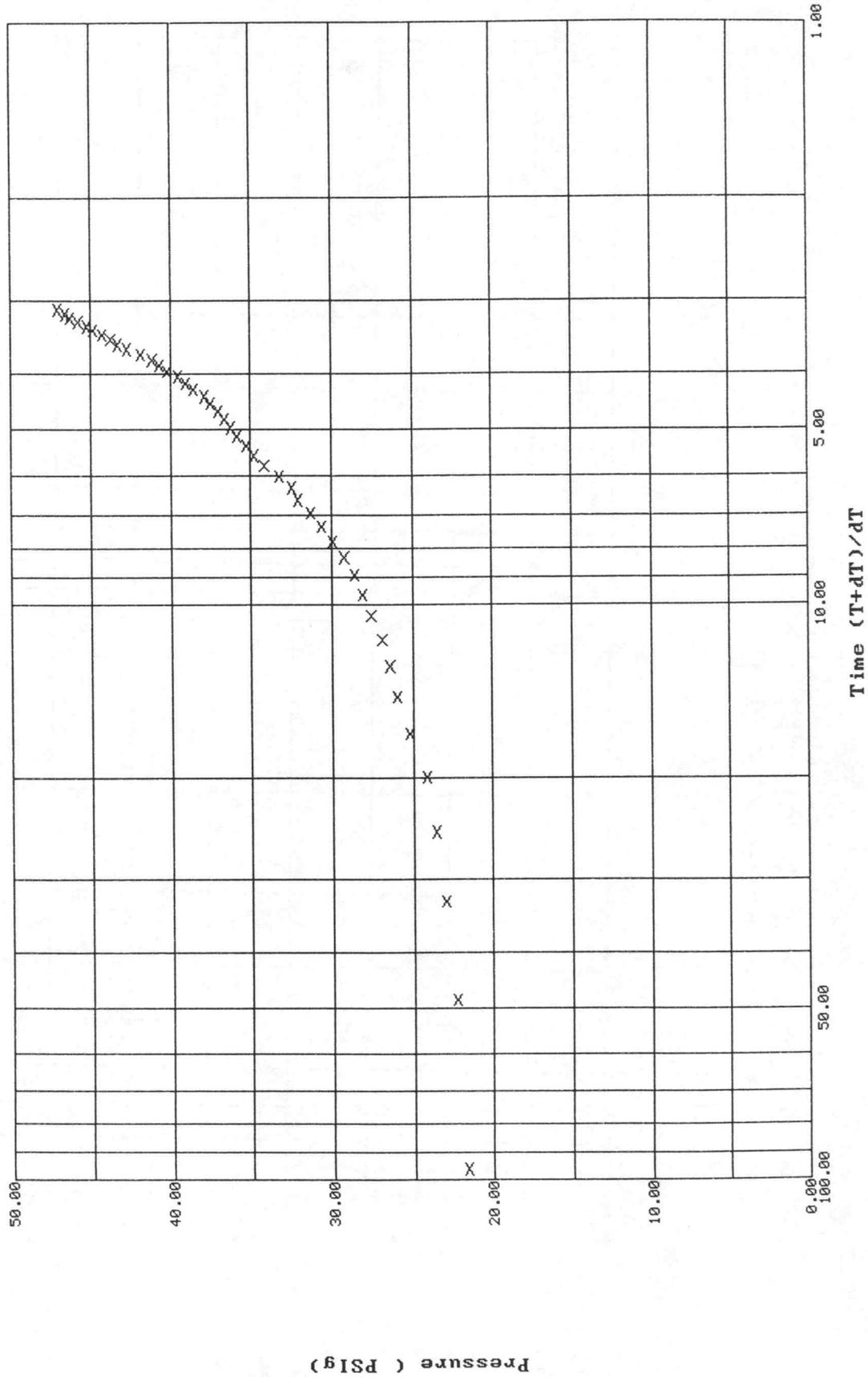
ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8925 Abercrombie Drlg Weiss "B" #1 DST #3

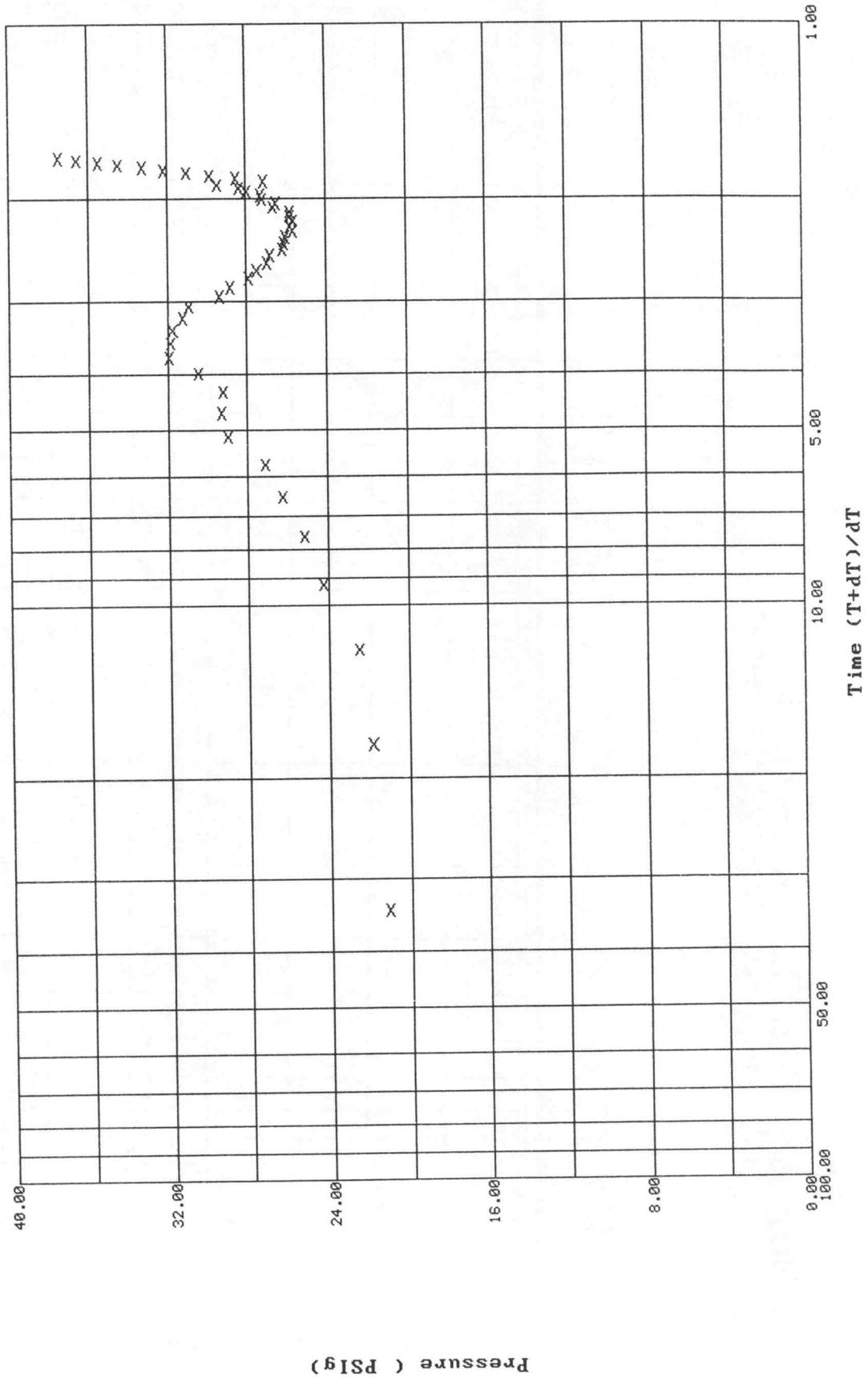
DATE: 03/19/96 TIME: 07:16:21

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
7.00	26.0	4.8	116.02	14.5714	0.001
8.00	26.4	5.3	116.05	12.8750	0.001
9.00	26.9	5.8	116.07	11.5556	0.001
10.00	27.6	6.4	116.10	10.5000	0.001
11.00	28.1	7.0	116.13	9.6364	0.001
12.00	28.6	7.5	116.15	8.9167	0.001
13.00	29.2	8.1	116.18	8.3077	0.001
14.00	29.9	8.8	116.19	7.7857	0.001
15.00	30.7	9.5	116.23	7.3333	0.001
16.00	31.4	10.2	116.26	6.9375	0.001
17.00	32.1	10.9	116.28	6.5882	0.001
18.00	32.5	11.4	116.31	6.2778	0.001
19.00	33.3	12.1	116.35	6.0000	0.001
20.00	34.2	13.0	116.36	5.7500	0.001
21.00	34.8	13.6	116.38	5.5238	0.001
22.00	35.2	14.1	116.41	5.3182	0.001
23.00	35.8	14.7	116.44	5.1304	0.001
24.00	36.2	15.1	116.46	4.9583	0.001
25.00	36.7	15.5	116.49	4.8000	0.001
26.00	37.1	15.9	116.51	4.6538	0.001
27.00	37.5	16.3	116.54	4.5185	0.001
28.00	37.9	16.8	116.55	4.3929	0.001
29.00	38.6	17.5	116.59	4.2759	0.001
30.00	39.0	17.9	116.62	4.1667	0.002
31.00	39.6	18.4	116.65	4.0645	0.002
32.00	40.2	19.1	116.67	3.9688	0.002
33.00	40.7	19.6	116.71	3.8788	0.002
34.00	41.1	20.0	116.74	3.7941	0.002
35.00	41.9	20.7	116.75	3.7143	0.002
36.00	42.7	21.6	116.80	3.6389	0.002
37.00	43.3	22.1	116.82	3.5676	0.002
38.00	43.8	22.6	116.82	3.5000	0.002
39.00	44.3	23.1	116.87	3.4359	0.002
40.00	44.9	23.7	116.90	3.3750	0.002
41.00	45.2	24.1	116.93	3.3171	0.002
42.00	45.8	24.6	116.94	3.2619	0.002
43.00	46.3	25.1	116.98	3.2093	0.002
44.00	46.6	25.5	117.01	3.1591	0.002
45.00	47.1	26.0	117.02	3.1111	0.002
***** End Shut-in 2					
***** Final Hydro.	317.00	2292.9	0.0	117.20	

Horner Plot: shut-in #2
 8925 Abercrombie Drlg Weiss "B" #1 DST #3



Horner Plot: shut-in #1
 8925 Abercrombie Drlg Weiss "B" #1 DST #3



*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Weiss #1 "B"	P.O. SUB	
	C.O. SUB top of tool	4626
LOCATION : 24-25S-21W, Ford Cty KS	S.I. TOOL H&T	4632
TICKET No. 8925 D.S.T. No. 3 DATE 3-19-96		
TOTAL TOOL TO BOTTOM OF TOP PACKERS 21	HMV Sterling	4637
INTERVAL TOOL		
BOTTOM PACKERS AND ANCHOR 34	JARS n\a	
TOTAL TOOL		
DRILL COLLAR ANCHOR IN INTERVAL		
D.C. ANCHOR STND.Stands3 Single 1 Total 299	SAFETY JOINT n\a	
D.P. ANCHOR STND.Stands Single Total		
TOTAL ASSEMBLY 354	PACKER Top Packer	4641
D.C. ABOVE TOOLS.Stands Single Total	PACKER Bottom Packer	4646
D.P. ABOVE TOOLS.Stands54 Single 2 Total 4356	DEPTH 4646	
TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4710	STUBB 4647	
	ANCHOR	
TOTAL DEPTH 4680	2' perf	4649
TOTAL DRILL PIPE ABOVE K.B. 30	Alpine recorder	4649
REMARKS:	5' perf	4654
	5' perf	4659
	5' perf	4664
	T.C.	
	DEPTH	
	5' perf	4669
	3' perf	4672
	AK-1 recorder	4675
	3' bull plug	
	BULLNOSE	to
	T.D.	4680

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N° 8925

Well Name & No. #1 Weiss 'B' Test No. 3 Date 3-19-96
 Company Abercrombie Drilling Inc Zone Tested Cherokee
 Address _____ Elevation 2289 KB 2284 GL
 Co. Rep / Geo. Steve Davis Cont. Abercrombie #5 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 24 Twp. 25s Rge. 21w Co. Ford State Ks
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4646-4680 Initial Str Wt./Lbs. 52,000 Unseated Str Wt./Lbs. 52300
 Anchor Length 34 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 54,000
 Top Packer Depth 4641 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Bottom Packer Depth 4646 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 4680 Drill Collar — 2.25 Ft. Run 299
 Mud Wt. 9.5 LCM _____ Vis. 66 WL 12.8 Drill Pipe Size 4 1/2 XH Ft. Run 6356
 Blow Description weak 1/2" through out

SS - weak 1/2" blow throughout

Recovery — Total Feet	Ft. in DC	Ft. in WP	Ft. in DP	%gas	%oil	%water	%mud
Rec. <u>15</u> Feet Of <u>slightly heavy mud</u>							
Rec. _____ Feet Of _____							
Rec. _____ Feet Of _____							
Rec. _____ Feet Of _____							
Rec. _____ Feet Of _____							

BHT 107 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud <u>2489</u> <u>2417</u> PSI	Recorder No. <u>2341</u>	T-Started <u>0744</u>
(B) First Initial Flow Pressure <u>42</u> <u>22</u> PSI	@ (depth) <u>4649</u>	T-Open <u>0924</u>
(C) First Final Flow Pressure <u>42</u> <u>20</u> PSI	Recorder No. <u>10994</u>	T-Pulled <u>1224</u>
(D) Initial Shut-in Pressure <u>53</u> <u>37</u> PSI	@ (depth) <u>4675</u>	T-Out _____
(E) Second Initial Flow Pressure <u>42</u> <u>19</u> PSI	Recorder No. _____	
(F) Second Final Flow Pressure <u>42</u> <u>21</u> PSI	@ (depth) _____	
(G) Final Shut-in Pressure <u>53</u> <u>47</u> PSI	Initial Opening <u>30</u>	Test <u>600</u>
(H) Final Hydrostatic Mud <u>2230</u> <u>2293</u> PSI	Initial Shut-in <u>45</u>	Jars _____

Alpine

Final Flow 60 Safety Joint _____

Final Shut-in 45 Straddle _____

Circ. Sub _____

Sampler _____

Extra Packer _____

Elect. Rec. M/C

Other _____

TOTAL PRICE \$ 600

Approved By [Signature]

Our Representative Paul Simpson

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

TRILOBITE TESTING L.L.C.

OPERATOR : Abercrombie Drilling Inc
 WELL NAME: Weiss #1 "B"
 LOCATION : 24-25S-21W, Ford Cty KS
 INTERVAL : 4678.00 To 4712.00 ft

DATE 3-20-96

KB 2289.00 ft TICKET NO: 9326 DST #4
 GR 2284.00 ft FORMATION: Cherokee
 TD 4712.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	10994	10994	2341			PF Fr. 0059 to 0129 hr
SI 30	Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0	IS Fr. 0129 to 0159 hr
SF 30	Clock(hrs)	AK-1	AK-1	Alpin			SF Fr. 0159 to 0229 hr
FS 30	Depth(ft)	4707.0	4707.0	4681.0	0.0	0.0	FS Fr. 0229 to 0259 hr

	Field	1	2	3	4	
A. Init Hydro	2437.0	2365.0	2364.0	0.0	0.0	T STARTED 2255 hr
B. First Flow	53.0	47.0	29.0	0.0	0.0	T ON BOTM 0057 hr
B1. Final Flow	53.0	47.0	31.0	0.0	0.0	T OPEN 0059 hr
C. In Shut-in	53.0	52.0	44.0	0.0	0.0	T PULLED 0259 hr
D. Init Flow	53.0	47.0	33.0	0.0	0.0	T OUT hr
E. Final Flow	53.0	58.0	37.0	0.0	0.0	
F. Fl Shut-in	53.0	60.0	45.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2363.0	2333.0	2286.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 54000.00 lbs
						Initial Str Wt 54000.00 lbs
						Unseated Str Wt 54000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 362.00 ft
						D.P. Length 4295.00 ft

RECOVERY

Tot Fluid 15.00 ft of 15.00 ft in DC and 0.00 ft in DP
 15.00 ft of Gassy heavy mud
 0.00 ft of
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -
 Weak .125" blow died in 20 minutes

Initial Shutin -
 No blow

Final Flow -
 No blow, flushed tool, no blow after surge

Final Shutin -
 No blow

SAMPLES:
 SENT TO:

MUD DATA-----
 Mud Type Chemical
 Weight 9.50 lb/c
 Vis. 69.00 S/L
 W.L. 12.80 in³
 F.C. 0.00 in
 Mud Drop N

Amt. of fill 0.00 ft
 Btm. H. Temp. 114.00 F
 Hole Condition good
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type none
 Reversed Out N
 Tool Chased N
 Tester Paul Simpson
 Co. Rep. Steve Davis
 Contr. Abercrombie
 Rig # 5
 Unit #
 Pump T.

Test Successful: Y

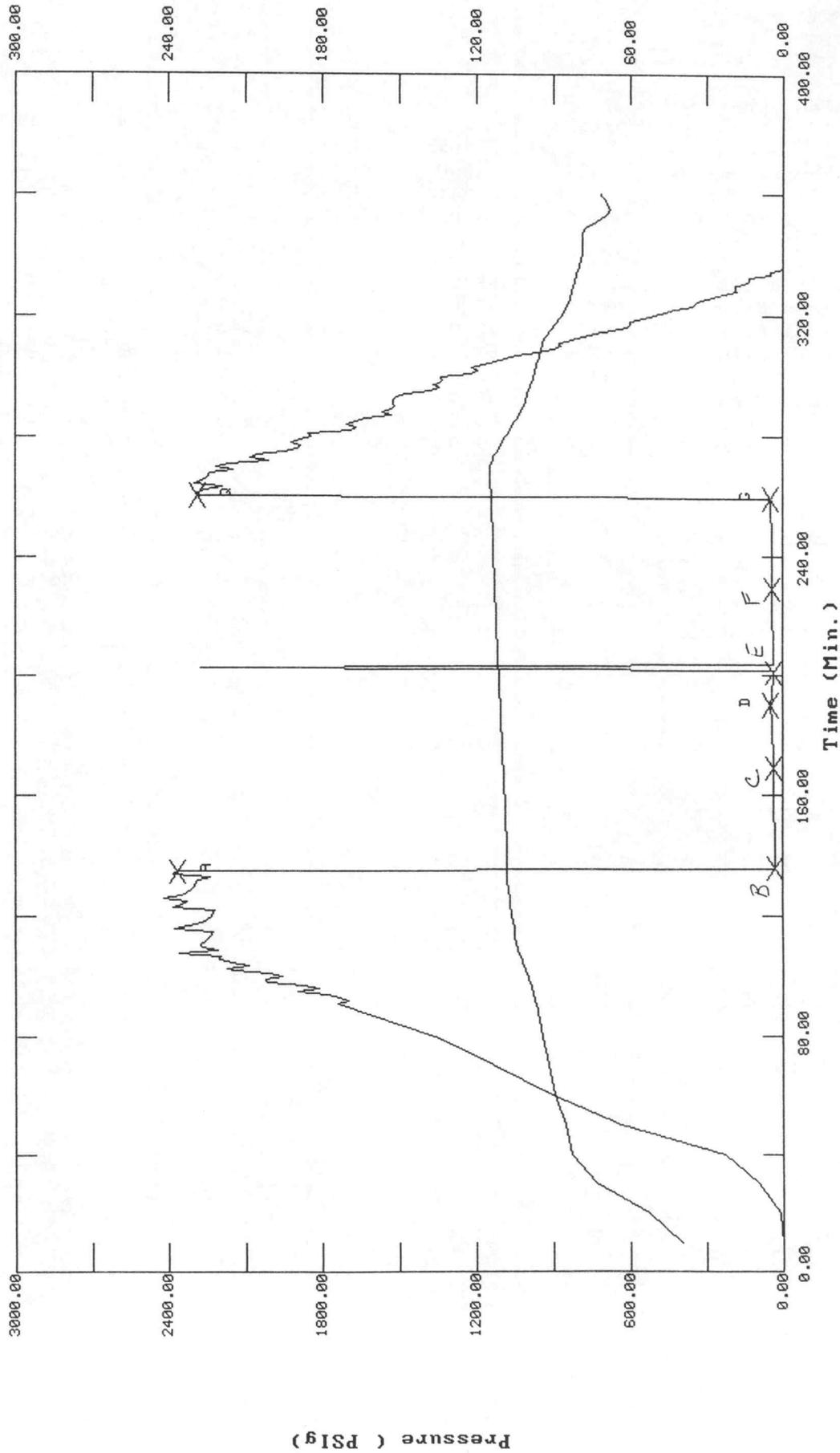
TEST HISTORY

9326 Abercrombie Drlg Weiss 'B' #1 DST #4

Flag Points

t (Min.) P (PSig)

A:	0.00	2364.35
B:	0.00	28.56
C:	33.00	31.38
D:	21.00	44.13
E:	0.00	32.62
F:	28.00	36.73
G:	30.00	45.10
Q:	0.00	2286.08



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

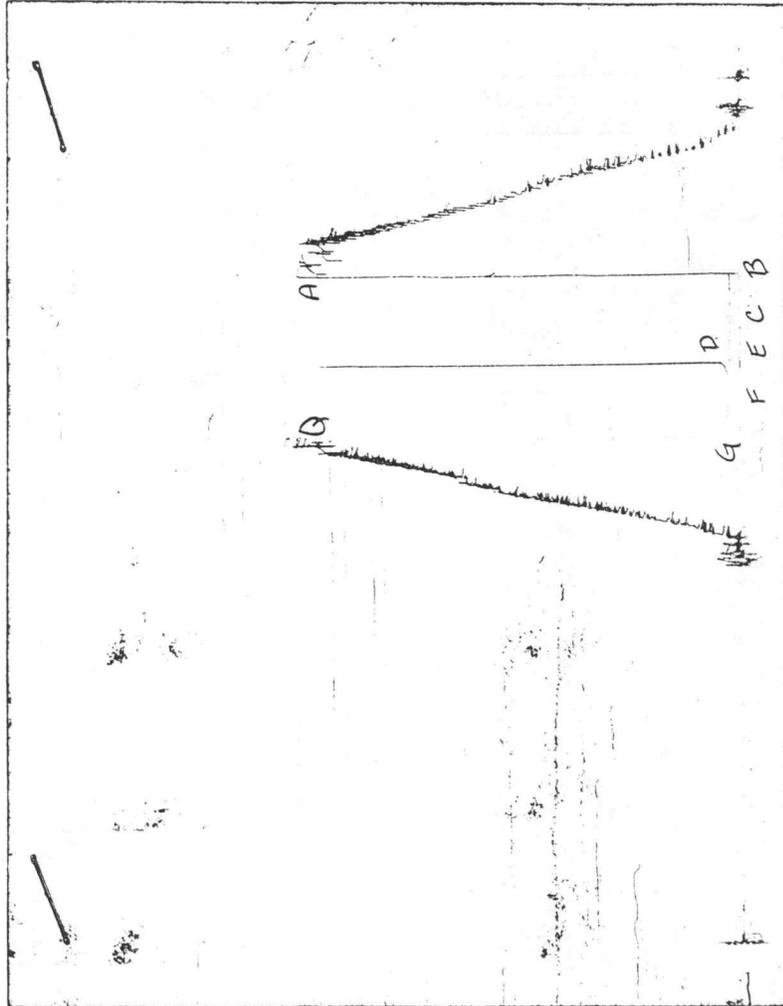
TEST: 9326 Abercrombie Drlg Weiss 'B' #1 DST #4

DATE: 03/19/96

TIME: 22:43:40

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	135.00	2364.4	0.0	108.19		
***** Start Flow 1	0.00	28.6	0.0	107.82		
	1.00	28.9	0.4	107.86		
	2.00	29.1	0.5	107.86		
	3.00	29.2	0.6	107.89		
	4.00	29.4	0.8	107.90		
	5.00	29.5	0.9	107.91		
	6.00	29.6	1.0	107.94		
	7.00	29.8	1.2	107.97		
	8.00	29.8	1.3	108.01		
	9.00	30.0	1.4	108.05		
	10.00	30.1	1.5	108.09		
	11.00	30.1	1.6	108.12		
	12.00	30.3	1.8	108.17		
	13.00	30.4	1.8	108.21		
	14.00	30.5	1.9	108.25		
	15.00	30.6	2.1	108.31		
	16.00	30.7	2.1	108.35		
	17.00	30.8	2.2	108.41		
	18.00	30.8	2.3	108.46		
	19.00	31.0	2.4	108.50		
	20.00	31.0	2.5	108.56		
	21.00	31.1	2.6	108.62		
	22.00	31.1	2.6	108.66		
	23.00	31.3	2.7	108.72		
	24.00	31.3	2.7	108.77		
	25.00	31.4	2.8	108.83		
	26.00	31.4	2.8	108.89		
	27.00	31.4	2.8	108.94		
	28.00	31.4	2.8	108.99		
	29.00	31.4	2.8	109.05		
	30.00	31.5	3.0	109.11		
	31.00	31.6	3.1	109.17		
	32.00	31.5	2.9	109.23		
***** End Flow 1	33.00	31.4	2.8	109.30		
***** Start Shutin 1	0.00	31.4	0.0	109.30	0.0000	0.001
	1.00	32.1	0.7	109.35	34.0000	0.001
	2.00	32.8	1.4	109.42	17.5000	0.001
	3.00	33.5	2.1	109.46	12.0000	0.001
	4.00	34.1	2.7	109.51	9.2500	0.001
	5.00	34.6	3.3	109.57	7.6000	0.001
	6.00	35.3	3.9	109.62	6.5000	0.001
	7.00	35.8	4.5	109.68	5.7143	0.001
	8.00	36.5	5.1	109.75	5.1250	0.001
	9.00	37.0	5.7	109.81	4.6667	0.001
	10.00	37.7	6.3	109.86	4.3000	0.001
	11.00	38.3	6.9	109.92	4.0000	0.001
	12.00	38.9	7.5	109.98	3.7500	0.002
	13.00	39.4	8.1	110.03	3.5385	0.002
	14.00	40.1	8.7	110.09	3.3571	0.002
	15.00	40.6	9.2	110.15	3.2000	0.002

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9326 Abercrombie Drlg Weiss 'B' #1 DST #4

DATE: 03/19/96 TIME: 22:43:40

	Time	Pressure PSI _g	delta P PSI _g	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	16.00	41.2	9.8	110.21	3.0625	0.002
	17.00	41.8	10.4	110.26	2.9412	0.002
	18.00	42.4	11.1	110.32	2.8333	0.002
	19.00	42.9	11.5	110.38	2.7368	0.002
	20.00	43.6	12.2	110.43	2.6500	0.002
***** End Shut-in 1	21.00	44.1	12.7	110.50	2.5714	0.002
***** Start Flow 2	0.00	32.6	0.0	111.12		
	1.00	32.6	-0.0	111.17		
	2.00	2272.4	2239.8	111.34		
	3.00	35.9	3.3	111.30		
	4.00	36.2	3.6	111.34		
	5.00	36.3	3.6	111.38		
	6.00	36.3	3.7	111.44		
	7.00	36.4	3.8	111.49		
	8.00	36.4	3.8	111.55		
	9.00	36.5	3.8	111.62		
	10.00	36.5	3.9	111.70		
	11.00	36.5	3.9	111.77		
	12.00	36.5	3.9	111.81		
	13.00	36.5	3.9	111.89		
	14.00	36.6	3.9	111.93		
	15.00	36.7	4.0	112.01		
	16.00	36.7	4.1	112.04		
	17.00	36.7	4.0	112.09		
	18.00	36.7	4.0	112.15		
	19.00	36.7	4.1	112.21		
	20.00	36.8	4.1	112.25		
	21.00	36.7	4.1	112.30		
	22.00	36.7	4.1	112.35		
	23.00	36.8	4.2	112.40		
	24.00	36.9	4.3	112.44		
	25.00	36.9	4.3	112.50		
	26.00	36.9	4.3	112.54		
	27.00	36.8	4.1	112.60		
***** End Flow 2	28.00	36.7	4.1	112.65		
***** Start Shutin 2	0.00	36.7	0.0	112.65	0.0000	0.001
	1.00	37.1	0.4	112.69	62.0000	0.001
	2.00	37.5	0.8	112.74	31.5000	0.001
	3.00	38.0	1.3	112.78	21.3333	0.001
	4.00	38.4	1.7	112.82	16.2500	0.001
	5.00	38.8	2.1	112.88	13.2000	0.002
	6.00	39.2	2.5	112.93	11.1667	0.002
	7.00	39.6	2.9	112.97	9.7143	0.002
	8.00	37.6	0.8	113.01	8.6250	0.001
	9.00	37.9	1.2	113.07	7.7778	0.001
	10.00	38.3	1.6	113.11	7.1000	0.001
	11.00	38.7	2.0	113.11	6.5455	0.001
	12.00	39.2	2.4	113.13	6.0833	0.002
	13.00	39.5	2.8	113.19	5.6923	0.002
	14.00	39.8	3.1	113.24	5.3571	0.002
	15.00	40.2	3.4	113.28	5.0667	0.002

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9326 Abercrombie Drlg Weiss 'B' #1 DST #4

DATE: 03/19/96

TIME: 22:43:40

Time	Pressure PSIg	delta P PSIg	P	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
16.00	40.6	3.8	113.34	4.8125	0.002	
17.00	40.9	4.2	113.38	4.5882	0.002	
18.00	41.2	4.5	113.41	4.3889	0.002	
19.00	41.6	4.9	113.46	4.2105	0.002	
20.00	42.0	5.2	113.51	4.0500	0.002	
21.00	42.3	5.5	113.56	3.9048	0.002	
22.00	42.6	5.9	113.59	3.7727	0.002	
23.00	42.9	6.2	113.64	3.6522	0.002	
24.00	43.3	6.6	113.68	3.5417	0.002	
25.00	43.7	6.9	113.73	3.4400	0.002	
26.00	43.9	7.1	113.77	3.3462	0.002	
27.00	44.2	7.5	113.80	3.2593	0.002	
28.00	44.5	7.8	113.85	3.1786	0.002	
29.00	44.8	8.1	113.89	3.1034	0.002	
***** End Shut-in 2	30.00	45.1	8.4	113.93	3.0333	0.002

***** Final Hydro. 260.00 2286.1 0.0 113.97

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Weiss #1 "B"

LOCATION : 24-25S-21W, Ford Cty KS

TICKET No. 9326 D.S.T. No. 4 DATE 3-20-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 34

TOTAL TOOL 54

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands4 Single Total 362

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 416

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands49 Single 1 Total 4325

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4741

TOTAL DEPTH 4712

TOTAL DRILL PIPE ABOVE K.B. 29

REMARKS:

P.O. SUB	
C.O. SUB top of tool	4658
S.I. TOOL H&T	4664
HMV Sterling	4669
JARS n\a	
SAFETY JOINT n\a	
PACKER Top Packer	4673
PACKER Bottom Packer	4678
DEPTH 4678	
STUBB 4679	
ANCHOR	
2' perf	4681
Alpine recorder	4681
5' perf	4686
5' perf	4691
5' perf	4696
T.C.	
DEPTH	
5' perf	4701
5' perf	4706
AK-1 recorder	4707
3' perf	4709
3' bull plug	
BULLNOSE	to
T.D.	4712

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 9326

Well Name & No. <u>#1 Weiss B</u>	Test No. <u>4</u>	Date <u>3-20-96</u>
Company <u>Abercrombie Drilg Inc</u>	Zone Tested <u>Cherokee</u>	
Address _____	Elevation <u>2289</u>	KB <u>2284</u> GL
Co. Rep / Geo. <u>Steve Davis</u>	Cont. <u>Abercrombie #5</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>24</u>	Twp. <u>25S</u>	Rge. <u>21W</u> Co. <u>Ford</u> State <u>Ks</u>
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>4678 - 4712</u>	Initial Str Wt./Lbs. <u>54000</u>	Unseated Str Wt./Lbs. _____
Anchor Length <u>34</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. _____
Top Packer Depth <u>4673</u>	Hole Size — <u>7 7/8"</u>	Rubber Size — <u>6 3/4"</u>
Bottom Packer Depth <u>4678</u>	Wt. Pipe I.D. — <u>2.7 Ft. Run</u>	_____
Total Depth <u>4712</u>	Drill Collar — <u>2.25 Ft. Run</u>	<u>362</u>
Mud Wt. <u>9.1</u> LCM _____ Vis. <u>69</u> WL _____	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run 4295 <u>4295</u> <u>46</u>
Blow Description <u>weak 1/8" blow died in 20 minutes</u>		

SS no blow flush tool

Recovery — Total Feet	Ft. in DC	Ft. in WP	Ft. in DP
Rec. <u>10</u> Feet Of <u>Mud</u>	<u>0</u>	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____	_____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____	_____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____	_____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____	_____	%gas _____ %oil _____	%water _____ %mud _____

BHT 113 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud <u>2437</u>	<u>2364</u> PSI	Recorder No. <u>2341</u>	T-Started <u>2255</u>
(B) First Initial Flow Pressure <u>53</u>	<u>29</u> PSI	@ (depth) <u>4681</u>	T-Open <u>0059</u>
(C) First Final Flow Pressure <u>53</u>	<u>31</u> PSI	Recorder No. <u>10994</u>	T-Pulled <u>0259</u>
(D) Initial Shut-in Pressure <u>53</u>	<u>44</u> PSI	@ (depth) <u>4707</u>	T-Out <u>0425</u>
(E) Second Initial Flow Pressure <u>53</u>	<u>33</u> PSI	Recorder No. _____	_____
(F) Second Final Flow Pressure <u>53</u>	<u>37</u> PSI	@ (depth) _____	_____
(G) Final Shut-in Pressure <u>53</u>	<u>45</u> PSI	Initial Opening <u>30</u>	Test <u>600</u>
(H) Final Hydrostatic Mud <u>2363</u>	<u>2286</u> PSI	Initial Shut-in <u>30</u>	Jars _____
<u>AK-1</u>		Final Flow <u>30</u>	Safety Joint _____
		Final Shut-in <u>30</u>	Straddle _____
			Circ. Sub _____
			Sampler _____
			Extra Packer _____
			Elect. Rec. <u>n/c</u>
			Other _____

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Steve Davis

Our Representative Paul Simpson

TOTAL PRICE \$ 600

TRILOBITE TESTING L.L.C.

OPERATOR : Abercrombie Drilling Inc
 WELL NAME: Weiss #1 "B"
 LOCATION : 24-25S-21W, Ford Cty KS
 INTERVAL : 4712.00 To 4753.00 ft

DATE 3-20-96

KB 2289.00 ft TICKET NO: 9327 DST #5
 GR 2284.00 ft FORMATION: Mississippi
 TD 4753.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	10994	10994	2341			PF Fr. 1710 to 1740 hr
SI 30	Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0	IS Fr. 1740 to 1810 hr
SF 30	Clock(hrs)	AK-1	AK-1	Alpin			SF Fr. 1810 to 1840 hr
FS 30	Depth(ft)	4748.0	4748.0	4717.0	0.0	0.0	FS Fr. 1840 to 1910 hr

	Field	1	2	3	4	
A. Init Hydro	2437.0	2390.0	2383.0	0.0	0.0	T STARTED 1533 hr
B. First Flow	53.0	44.0	25.0	0.0	0.0	T ON BOTM 1708 hr
B1. Final Flow	53.0	47.0	31.0	0.0	0.0	T OPEN 1710 hr
C. In Shut-in	74.0	79.0	90.0	0.0	0.0	T PULLED 1910 hr
D. Init Flow	53.0	49.0	33.0	0.0	0.0	T OUT 2030 hr
E. Final Flow	53.0	49.0	45.0	0.0	0.0	
F. Fl Shut-in	74.0	72.0	84.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2437.0	2390.0	2395.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 64000.00 lbs
						Initial Str Wt 56000.00 lbs
						Unseated Str Wt 56000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 299.00 ft
						D.P. Length 4422.00 ft

RECOVERY

Tot Fluid 10.00 ft of 10.00 ft in DC and 0.00 ft in DP
 10.00 ft of Oil specked mud
 0.00 ft of
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -
 Weak .25" blow decreasing to surface

Initial Shutin -
 No blow

Final Flow -
 Few bubbles when tool opened, then died

Final Shutin -
 No blow

SAMPLES:
 SENT TO:

MUD DATA-----
 Mud Type Chemical
 Weight 9.10 lb/c
 Vis. 56.00 S/L
 W.L. 9.60 in3
 F.C. 0.00 in
 Mud Drop N
 Amt. of fill 0.00 ft
 Btm. H. Temp. 113.00 F
 Hole Condition good
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type none
 Reversed Out N
 Tool Chased N
 Tester Paul Simpson
 Co. Rep. Steve Davis
 Contr. Abercrombie
 Rig # 5
 Unit #
 Pump T.

Test Successful: Y

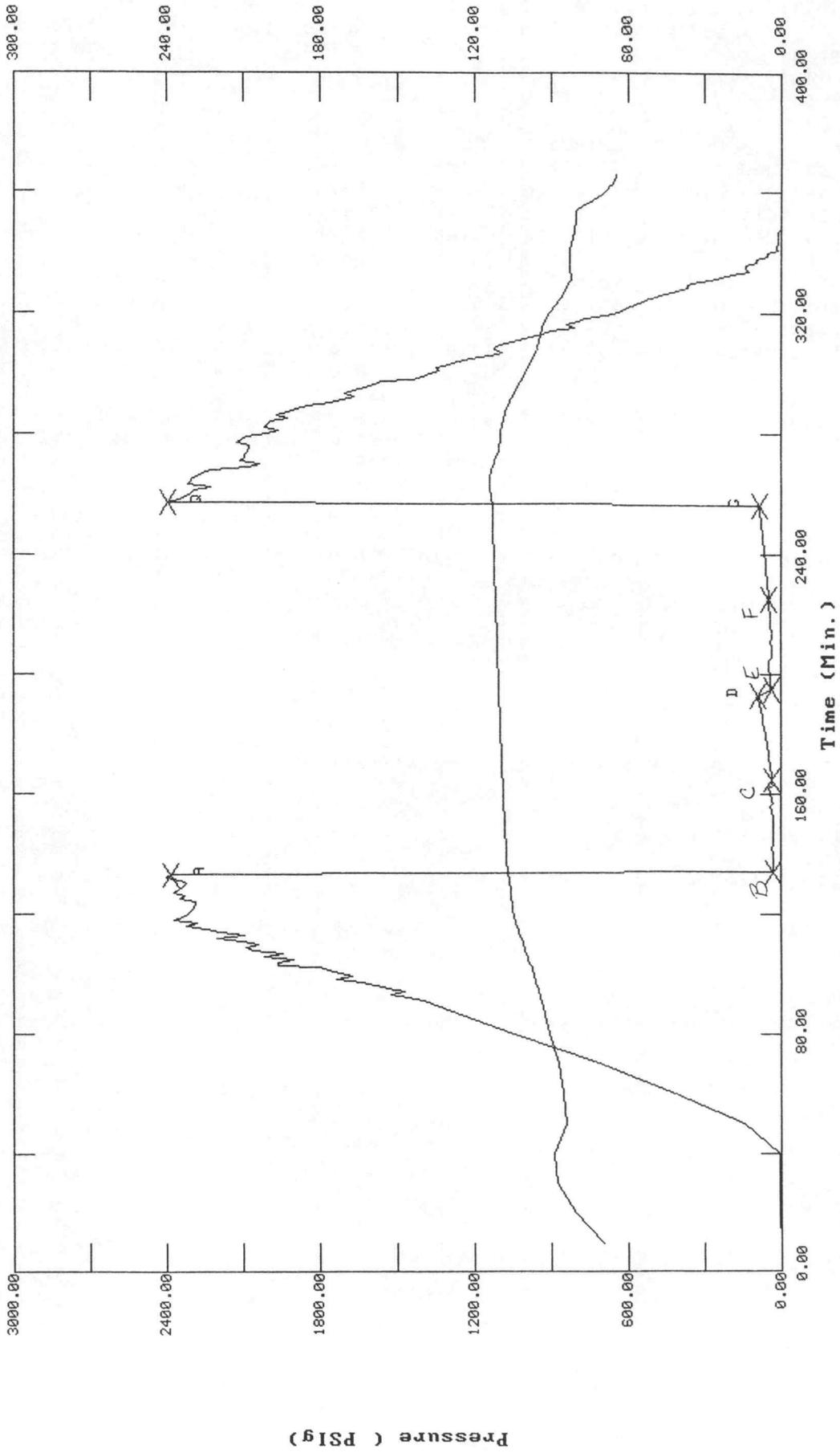
TEST HISTORY

9327 Abercrombie Drlg. Weiss 'B' #1 DST #5

Flag Points

t (Min.) P (PSig)

A:	0.00	2383.31
B:	0.00	24.71
C:	31.00	30.71
D:	28.00	90.22
E:	0.00	33.12
F:	30.00	45.25
G:	31.00	84.43
Q:	0.00	2394.67

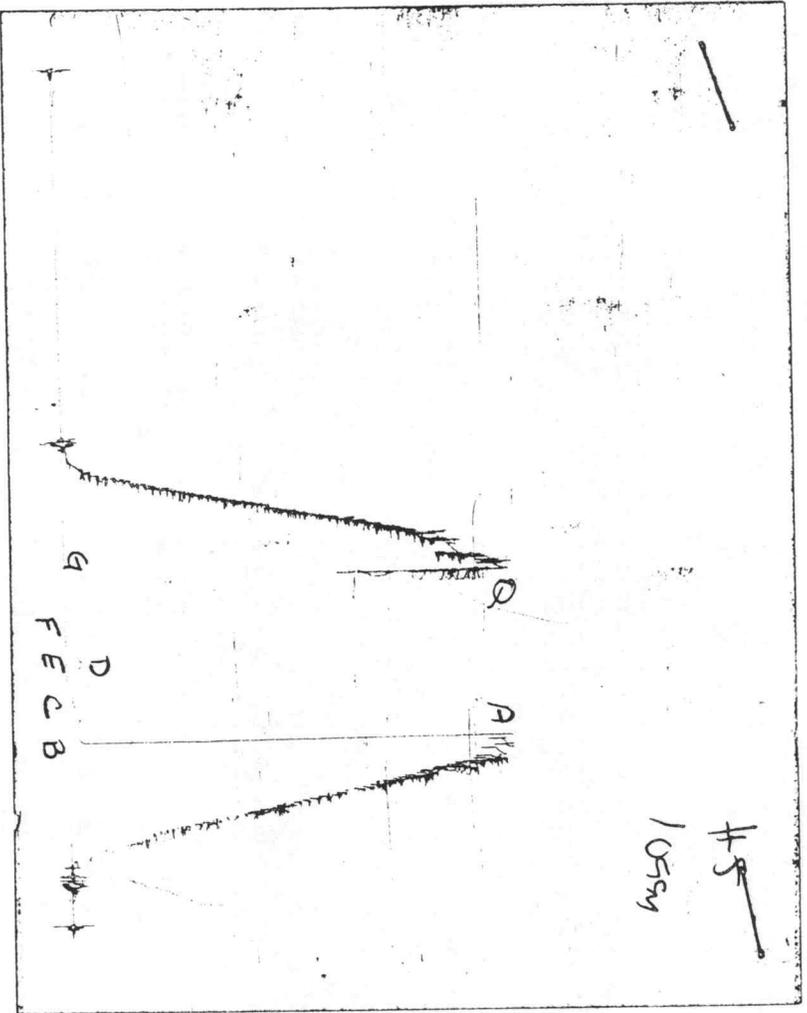


Temperature (DEG F)

Pressure (PSig)

Time (Min.)

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9327 Abercrombie Drlg. Weiss 'B' #1 DST #5

DATE: 03/20/96

TIME: 14:56:32

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	18.00	65.2	34.5	109.70	2.7222	0.004
	19.00	67.9	37.2	109.74	2.6316	0.005
	20.00	70.6	39.9	109.80	2.5500	0.005
	21.00	69.5	38.8	109.85	2.4762	0.005
	22.00	72.5	41.7	109.91	2.4091	0.005
	23.00	75.3	44.5	109.95	2.3478	0.006
	24.00	78.1	47.4	110.01	2.2917	0.006
	25.00	80.9	50.2	110.06	2.2400	0.007
	26.00	83.9	53.2	110.10	2.1923	0.007
	27.00	87.0	56.3	110.15	2.1481	0.008
***** End Shut-in 1	28.00	90.2	59.5	110.21	2.1071	0.008
***** Start Flow 2	0.00	33.1	0.0	110.29		
	1.00	35.2	2.1	110.32		
	2.00	37.3	4.1	110.36		
	3.00	39.0	5.9	110.39		
	4.00	39.4	6.3	110.42		
	5.00	40.9	7.8	110.46		
	6.00	42.5	9.4	110.53		
	7.00	44.0	10.8	110.56		
	8.00	45.5	12.4	110.65		
	9.00	47.0	13.9	110.66		
	10.00	43.5	10.4	110.73		
	11.00	34.3	1.2	110.77		
	12.00	34.4	1.3	110.80		
	13.00	34.2	1.1	110.83		
	14.00	36.1	3.0	110.85		
	15.00	36.6	3.5	110.87		
	16.00	37.9	4.8	110.91		
	17.00	35.6	2.5	110.96		
	18.00	34.8	1.7	110.99		
	19.00	35.5	2.4	111.04		
	20.00	36.5	3.3	111.09		
	21.00	37.6	4.5	111.14		
	22.00	38.4	5.3	111.19		
	23.00	39.4	6.3	111.24		
	24.00	40.5	7.3	111.29		
	25.00	41.5	8.3	111.33		
	26.00	42.5	9.4	111.38		
	27.00	43.5	10.4	111.43		
	28.00	44.6	11.5	111.48		
	29.00	45.6	12.5	111.54		
***** End Flow 2	30.00	45.2	12.1	111.58		
***** Start Shutin 2	0.00	45.2	0.0	111.58	0.0000	0.002
	1.00	46.4	1.2	111.63	62.0000	0.002
	2.00	47.3	2.1	111.68	31.5000	0.002
	3.00	48.4	3.2	111.73	21.3333	0.002
	4.00	49.4	4.1	111.78	16.2500	0.002
	5.00	50.4	5.2	111.82	13.2000	0.003
	6.00	51.6	6.4	111.87	11.1667	0.003
	7.00	52.6	7.4	111.91	9.7143	0.003
	8.00	53.7	8.4	111.95	8.6250	0.003

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9327 Abercrombie Drlg. Weiss 'B' #1 DST #5

DATE: 03/20/96 TIME: 14:56:32

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	133.00	2383.3	0.0	106.58		
***** Start Flow 1	0.00	24.7	0.0	106.53		
	1.00	25.6	0.9	106.72		
	2.00	26.0	1.3	106.90		
	3.00	26.2	1.5	107.02		
	4.00	26.2	1.4	107.12		
	5.00	26.5	1.8	107.21		
	6.00	27.3	2.6	107.27		
	7.00	26.8	2.1	107.35		
	8.00	32.1	7.4	107.41		
	9.00	26.9	2.2	107.48		
	10.00	26.9	2.2	107.55		
	11.00	27.4	2.7	107.60		
	12.00	27.9	3.2	107.66		
	13.00	28.1	3.4	107.73		
	14.00	28.4	3.6	107.79		
	15.00	28.5	3.8	107.85		
	16.00	28.7	4.0	107.92		
	17.00	29.4	4.7	108.00		
	18.00	29.0	4.3	108.06		
	19.00	29.9	5.2	108.13		
	20.00	33.6	8.9	108.19		
	21.00	36.5	11.8	108.24		
	22.00	39.6	14.9	108.30		
	23.00	29.7	5.0	108.35		
	24.00	32.3	7.6	108.41		
	25.00	35.1	10.4	108.46		
	26.00	38.0	13.3	108.51		
	27.00	40.9	16.2	108.56		
	28.00	43.6	18.9	108.61		
	29.00	30.4	5.7	108.66		
	30.00	30.7	5.9	108.71		
***** End Flow 1	31.00	30.7	6.0	108.75		
***** Start Shutin 1	0.00	30.7	0.0	108.75	0.0000	0.001
	1.00	31.9	1.2	108.81	32.0000	0.001
	2.00	33.9	3.2	108.86	16.5000	0.001
	3.00	35.7	5.0	108.91	11.3333	0.001
	4.00	37.6	6.9	108.96	8.7500	0.001
	5.00	39.6	8.9	109.01	7.2000	0.002
	6.00	41.8	11.1	109.07	6.1667	0.002
	7.00	43.8	13.1	109.12	5.4286	0.002
	8.00	45.7	15.0	109.18	4.8750	0.002
	9.00	47.8	17.0	109.23	4.4444	0.002
	10.00	47.4	16.7	109.29	4.1000	0.002
	11.00	49.7	19.0	109.35	3.8182	0.002
	12.00	51.9	21.2	109.40	3.5833	0.003
	13.00	53.4	22.6	109.45	3.3846	0.003
	14.00	56.0	25.3	109.48	3.2143	0.003
	15.00	58.3	27.6	109.54	3.0667	0.003
	16.00	60.2	29.5	109.59	2.9375	0.004
	17.00	62.8	32.1	109.64	2.8235	0.004

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9327 Abercrombie Drlg. Weiss 'B' #1 DST #5

DATE: 03/20/96 TIME: 14:56:32

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	9.00	54.9	9.6	112.00	7.7778	0.003
	10.00	55.9	10.7	112.05	7.1000	0.003
	11.00	57.0	11.7	112.09	6.5455	0.003
	12.00	57.9	12.7	112.13	6.0833	0.003
	13.00	59.2	13.9	112.18	5.6923	0.004
	14.00	60.3	15.1	112.22	5.3571	0.004
	15.00	61.5	16.2	112.27	5.0667	0.004
	16.00	62.8	17.6	112.31	4.8125	0.004
	17.00	64.1	18.8	112.35	4.5882	0.004
	18.00	65.4	20.2	112.40	4.3889	0.004
	19.00	66.8	21.5	112.44	4.2105	0.004
	20.00	67.6	22.3	112.49	4.0500	0.005
	21.00	69.0	23.8	112.52	3.9048	0.005
	22.00	70.3	25.1	112.56	3.7727	0.005
	23.00	71.7	26.5	112.61	3.6522	0.005
	24.00	73.1	27.9	112.66	3.5417	0.005
	25.00	74.4	29.2	112.70	3.4400	0.006
	26.00	75.9	30.7	112.73	3.3462	0.006
	27.00	77.5	32.2	112.78	3.2593	0.006
	28.00	79.3	34.0	112.82	3.1786	0.006
	29.00	81.0	35.7	112.85	3.1034	0.007
	30.00	82.7	37.4	112.90	3.0333	0.007
***** End Shut-in 2	31.00	84.4	39.2	112.94	2.9677	0.007
***** Final Hydro.	257.00	2394.7	0.0	112.85		

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Weiss #1 "B"	P.O. SUB	
LOCATION : 24-25S-21W, Ford Cty KS	C.O. SUB top of tool	4692
TICKET No. 9327 D.S.T. No. 5 DATE 3-20-96	S.I. TOOL H&T	4698
TOTAL TOOL TO BOTTOM OF TOP PACKERS 20	HMV Sterling	4703
INTERVAL TOOL	JARS n\a	
BOTTOM PACKERS AND ANCHOR 41	SAFETY JOINT n\a	
TOTAL TOOL 61	PACKER Top Packer	4707
DRILL COLLAR ANCHOR IN INTERVAL	PACKER Bottom Packer	4712
D.C. ANCHOR STND.Stands3 Single 1 Total 299	DEPTH 4712	
D.P. ANCHOR STND.Stands Single Total	STUBB 4713	
TOTAL ASSEMBLY 360	ANCHOR	
D.C. ABOVE TOOLS.Stands Single Total	4' perf	4717
D.P. ABOVE TOOLS.Stands50 Single 1 Total 4412	Alpine recorder	4717
TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4772	5' perf	4722
TOTAL DEPTH 4753	5' perf	4727
TOTAL DRILL PIPE ABOVE K.B. 19	5' perf	4732
REMARKS:	5' perf	4737
	T.C.	
	DEPTH	
	5' perf	4742
	5' perf	4747
	AK-1 recorder	4748
	3' perf	4750
	3' bull plug	
	BULLNOSE	to
	T.D.	4753

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 9327

Well Name & No. <u>#1 Weiss B</u>	Test No. <u>5</u>	Date <u>3-20-96</u>
Company <u>Abercrombie Drilling Inc</u>	Zone Tested <u>Miss</u>	
Address _____	Elevation <u>2289</u> KB <u>2284</u> GL	
Co. Rep / Geo. <u>Steve Davis</u>	Cont. <u>Abercrombie #5</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>24</u>	Twp. <u>25s</u>	Rge. <u>21w</u> Co. <u>Ford</u> State <u>Ks</u>
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4712-4753 Initial Str Wt./Lbs. 56,000 Unseated Str Wt./Lbs. _____
Anchor Length 41 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. _____
Top Packer Depth 4707 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth 4712 Wt. Pipe I.D. — 2.7 Ft. Run _____
Total Depth 4753 Drill Collar — 2.25 Ft. Run 299
Mud Wt. 9.1 LCM _____ Vis. 56 WL 9.6 Drill Pipe Size 4 1/2 x H Ft. Run 4422
Blow Description weak 1/2" blow - decreasing to surface

SS - few bubbles when tool opened then died

Recovery — Total Feet	Ft. in DC	Ft. in WP	Ft. in DP	%gas	%oil	%water	%mud
<u>10</u>	<u>10</u>						
Rec. _____ Feet Of _____							
Rec. _____ Feet Of _____							
Rec. _____ Feet Of _____							
Rec. _____ Feet Of _____							
Rec. _____ Feet Of _____							

BHT 113 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud <u>2437</u> <u>2353</u> PSI	Recorder No. <u>2341</u>	T-Started <u>1533</u>
(B) First Initial Flow Pressure <u>53</u> <u>25</u> PSI	@ (depth) <u>4717</u>	T-Open <u>1710</u>
(C) First Final Flow Pressure <u>53</u> <u>31</u> PSI	Recorder No. <u>10994</u>	T-Pulled <u>1910</u>
(D) Initial Shut-in Pressure <u>74</u> <u>90</u> PSI	@ (depth) <u>4748</u>	T-Out <u>2030</u>
(E) Second Initial Flow Pressure <u>53</u> <u>33</u> PSI	Recorder No. _____	
(F) Second Final Flow Pressure <u>53</u> <u>45</u> PSI	@ (depth) _____	
(G) Final Shut-in Pressure <u>74</u> <u>84</u> PSI	Initial Opening <u>30</u>	Test <u>600</u>
(H) Final Hydrostatic Mud <u>2437</u> <u>2394</u> PSI	Initial Shut-in <u>30</u>	Jars _____

Final Flow 30 Safety Joint _____

Final Shut-in 30 Straddle _____

Circ. Sub _____

Sampler _____

Extra Packer _____

Elect. Rec. n/c

Other _____

TOTAL PRICE \$ 600

Approved By _____

Our Representative Paul Simpson

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TRILOBITE TESTING L.L.C.

OPERATOR : Abercrombie Drilling Inc
 WELL NAME: Weiss #1 "B"
 LOCATION : 24-25S-21W, Ford Cty KS
 INTERVAL : 4752.00 To 4761.00 ft

DATE 3-21-96
 KB 2289.00 ft TICKET NO: 9328 DST #6
 GR 2284.00 ft FORMATION: Mississippi
 TD 4761.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	2341					PF Fr. 0735 to 0805 hr
SI 45 Range(Psi)	4995.0	0.0	0.0	0.0	0.0	IS Fr. 0805 to 0850 hr
SF 60 Clock(hrs)	Alpin					SF Fr. 0850 to 0950 hr
FS 45 Depth(ft)	4753.0	0.0	0.0	0.0	0.0	FS Fr. 0950 to 1035 hr

	Field	1	2	3	4	
A. Init Hydro	2466.0	0.0	0.0	0.0	0.0	T STARTED 0603 hr
B. First Flow	26.0	0.0	0.0	0.0	0.0	T ON BOTM 0734 hr
B1. Final Flow	170.0	0.0	0.0	0.0	0.0	T OPEN 0735 hr
C. In Shut-in	1513.0	0.0	0.0	0.0	0.0	T PULLED 1035 hr
D. Init Flow	176.0	0.0	0.0	0.0	0.0	T OUT 1220 hr
E. Final Flow	313.0	0.0	0.0	0.0	0.0	
F. Fl Shut-in	1505.0	0.0	0.0	0.0	0.0	
G. Final Hydro	2377.0	0.0	0.0	0.0	0.0	
Inside/Outside						

RECOVERY

Tot Fluid 555.00 ft of 299.00 ft in DC and 256.00 ft in DP
 5.00 ft of Clean oil
 550.00 ft of Oil specked water

TOOL DATA-----
 Tool Wt. 1800.00 lbs
 Wt Set On Packer 20000.00 lbs
 Wt Pulled Loose 56000.00 lbs
 Initial Str Wt 56000.00 lbs
 Unseated Str Wt 56000.00 lbs
 Bot Choke 0.75 in
 Hole Size 7.88 in
 D Col. ID 2.25 in
 D. Pipe ID 3.80 in
 D.C. Length 299.00 ft
 D.P. Length 4453.00 ft

RW .27 @ 57 F

SALINITY 32000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -
 .5" blow building to bottom of bucket
 in 25 minutes

Initial Shutin -
 Weak surface blow

Final Flow -
 .5" blow building to bottom of bucket
 in 25 minutes

Final Shutin -
 Weak surface blow

SAMPLES:
 SENT TO:

MUD DATA-----
 Mud Type Chemical
 Weight 9.10 lb/c
 Vis. 56.00 S/L
 W.L. 9.60 in3
 F.C. 0.00 in
 Mud Drop N
 Amt. of fill 0.00 ft
 Btm. H. Temp. 133.00 F
 Hole Condition good
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type none
 Reversed Out N
 Tool Chased N
 Tester Paul Simpson
 Co. Rep. Steve Davis
 Contr. Abercrombie
 Rig # 5
 Unit #
 Pump T.

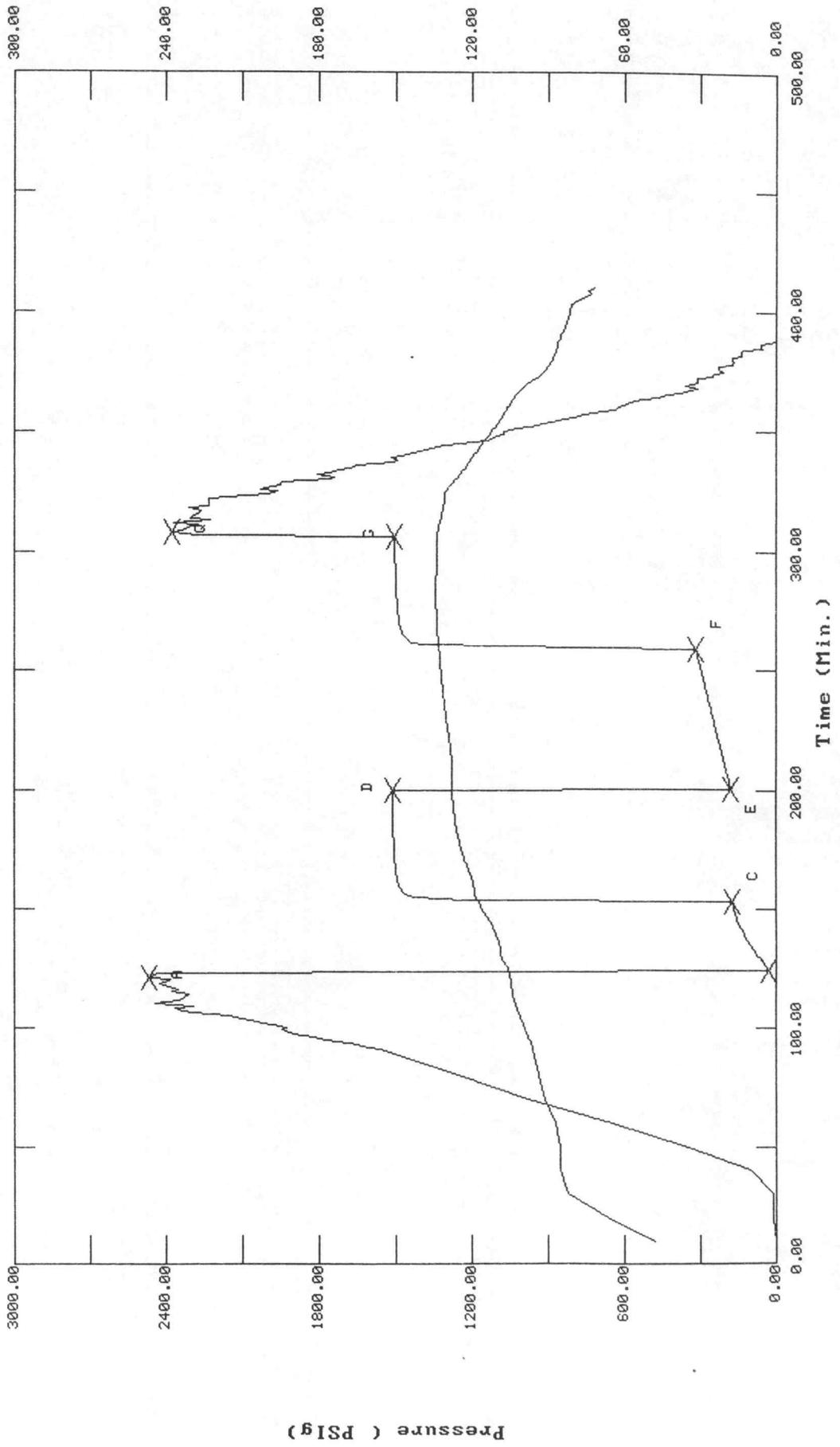
Test Successful: Y

TEST HISTORY

7928 Abercrombie Drig. Weiss 'B' #1 DST #6

Flag Points

	t (Min.)	PK	PSig
A:	0.00	2465.94	
B:	0.00	25.88	
C:	29.00	170.37	
D:	47.00	1513.10	
E:	0.00	176.19	
F:	58.00	313.32	
G:	47.00	1505.05	
Q:	0.00	2377.22	



Temperature (DEG F)

Pressure (PSig)

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 7928 Abercrombie Drlg. Weiss 'B' #1 DST #6

DATE: 03/21/96 TIME: 05:32:48

	Time	Pressure PSI _g	delta P PSI _g	P	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	121.00	2465.9	0.0		104.68		
***** Start Flow 1	0.00	25.9	0.0		105.22		
	1.00	33.5	7.6		105.76		
	2.00	40.2	14.4		106.37		
	3.00	47.0	21.2		106.97		
	4.00	53.8	27.9		107.44		
	5.00	60.5	34.7		107.80		
	6.00	68.1	42.2		108.06		
	7.00	74.6	48.7		108.25		
	8.00	80.5	54.6		108.42		
	9.00	86.3	60.5		108.58		
	10.00	92.4	66.6		108.74		
	11.00	98.5	72.6		108.93		
	12.00	104.6	78.7		109.15		
	13.00	110.5	84.6		109.40		
	14.00	115.9	90.0		109.69		
	15.00	121.1	95.3		110.03		
	16.00	126.7	100.9		110.41		
	17.00	132.7	106.9		110.82		
	18.00	138.5	112.7		111.28		
	19.00	144.5	118.6		111.73		
	20.00	150.5	124.6		112.23		
	21.00	153.9	128.0		112.76		
	22.00	153.8	128.0		113.25		
	23.00	156.2	130.4		113.81		
	24.00	158.7	132.8		114.35		
	25.00	161.1	135.2		114.92		
	26.00	163.6	137.7		115.46		
	27.00	166.1	140.2		116.02		
	28.00	168.5	142.6		116.57		
***** End Flow 1	29.00	170.4	144.5		117.09		
***** Start Shutin 1	0.00	170.4	0.0		117.09	0.0000	0.029
	1.00	1228.2	1057.8		117.68	30.0000	1.509
	2.00	1421.8	1251.4		118.16	15.5000	2.021
	3.00	1452.8	1282.5		118.43	10.6667	2.111
	4.00	1467.1	1296.7		118.79	8.2500	2.152
	5.00	1475.7	1305.4		118.72	6.8000	2.178
	6.00	1481.5	1311.2		118.86	5.8333	2.195
	7.00	1485.8	1315.5		119.06	5.1429	2.208
	8.00	1489.2	1318.8		119.28	4.6250	2.218
	9.00	1491.9	1321.5		119.56	4.2222	2.226
	10.00	1494.1	1323.8		119.87	3.9000	2.232
	11.00	1496.0	1325.6		120.20	3.6364	2.238
	12.00	1497.6	1327.2		120.51	3.4167	2.243
	13.00	1498.9	1328.5		120.89	3.2308	2.247
	14.00	1500.2	1329.8		121.28	3.0714	2.251
	15.00	1501.2	1330.8		121.64	2.9333	2.254
	16.00	1502.2	1331.9		122.01	2.8125	2.257
	17.00	1503.1	1332.7		122.36	2.7059	2.259
	18.00	1503.8	1333.5		122.70	2.6111	2.262
	19.00	1504.6	1334.2		123.04	2.5263	2.264

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 7928 Abercrombie Drlg. Weiss 'B' #1 DST #6

DATE: 03/21/96

TIME: 05:32:48

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
20.00	1505.3	1334.9	123.37	2.4500	2.266
21.00	1505.8	1335.4	123.67	2.3810	2.267
22.00	1506.4	1336.1	123.97	2.3182	2.269
23.00	1506.9	1336.5	124.23	2.2609	2.271
24.00	1507.3	1336.9	124.50	2.2083	2.272
25.00	1507.7	1337.4	124.75	2.1600	2.273
26.00	1508.1	1337.8	124.99	2.1154	2.274
27.00	1508.5	1338.1	125.20	2.0741	2.276
28.00	1508.9	1338.5	125.42	2.0357	2.277
29.00	1509.3	1338.9	125.62	2.0000	2.278
30.00	1509.6	1339.2	125.81	1.9667	2.279
31.00	1509.9	1339.6	125.97	1.9355	2.280
32.00	1510.2	1339.8	126.13	1.9062	2.281
33.00	1510.5	1340.1	126.28	1.8788	2.282
34.00	1510.7	1340.3	126.44	1.8529	2.282
35.00	1510.9	1340.5	126.59	1.8286	2.283
36.00	1511.2	1340.8	126.71	1.8056	2.284
37.00	1511.4	1341.1	126.79	1.7838	2.284
38.00	1511.6	1341.2	126.92	1.7632	2.285
39.00	1511.8	1341.5	127.02	1.7436	2.286
40.00	1512.0	1341.6	127.11	1.7250	2.286
41.00	1512.2	1341.8	127.21	1.7073	2.287
42.00	1512.4	1342.0	127.28	1.6905	2.287
43.00	1512.5	1342.1	127.37	1.6744	2.288
44.00	1512.7	1342.3	127.45	1.6591	2.288
45.00	1512.8	1342.4	127.50	1.6444	2.289
46.00	1512.9	1342.6	127.58	1.6304	2.289
47.00	1513.1	1342.7	127.64	1.6170	2.289
***** End Shut-in 1					
***** Start Flow 2					
0.00	176.2	0.0	127.60		
1.00	178.8	2.6	127.60		
2.00	181.6	5.4	127.58		
3.00	184.0	7.8	127.56		
4.00	186.4	10.2	127.54		
5.00	188.8	12.6	127.53		
6.00	191.2	15.0	127.53		
7.00	193.7	17.5	127.54		
8.00	196.2	20.0	127.56		
9.00	198.7	22.5	127.60		
10.00	201.0	24.8	127.67		
11.00	203.2	27.0	127.69		
12.00	205.7	29.5	127.71		
13.00	208.5	32.3	127.84		
14.00	210.9	34.7	127.94		
15.00	213.3	37.1	128.07		
16.00	215.5	39.4	128.19		
17.00	217.8	41.6	128.32		
18.00	220.2	44.0	128.46		
19.00	222.8	46.6	128.59		
20.00	225.3	49.1	128.73		
21.00	227.7	51.5	128.87		
22.00	230.1	53.9	129.01		

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 7928 Abercrombie Drlg. Weiss 'B' #1 DST #6

DATE: 03/21/96 TIME: 05:32:48

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	23.00	232.6	56.4	129.15		
	24.00	235.1	58.9	129.30		
	25.00	237.5	61.3	129.44		
	26.00	240.0	63.8	129.58		
	27.00	242.3	66.1	129.71		
	28.00	244.5	68.3	129.85		
	29.00	246.8	70.6	130.00		
	30.00	249.4	73.2	130.13		
	31.00	251.7	75.5	130.26		
	32.00	254.0	77.8	130.39		
	33.00	256.3	80.1	130.52		
	34.00	258.5	82.3	130.66		
	35.00	260.8	84.6	130.78		
	36.00	263.4	87.2	130.90		
	37.00	265.7	89.5	131.01		
	38.00	268.1	91.9	131.12		
	39.00	270.5	94.3	131.24		
	40.00	272.7	96.5	131.33		
	41.00	275.0	98.8	131.43		
	42.00	277.5	101.3	131.53		
	43.00	279.8	103.6	131.63		
	44.00	282.2	106.0	131.73		
	45.00	284.5	108.3	131.83		
	46.00	286.8	110.6	131.92		
	47.00	289.0	112.8	132.00		
	48.00	291.5	115.3	132.09		
	49.00	293.7	117.5	132.17		
	50.00	296.0	119.8	132.25		
	51.00	298.2	122.0	132.33		
	52.00	300.4	124.2	132.41		
	53.00	302.5	126.3	132.48		
	54.00	305.0	128.8	132.54		
	55.00	307.3	131.1	132.61		
	56.00	308.9	132.7	132.67		
	57.00	311.1	134.9	132.76		
***** End Flow 2	58.00	313.3	137.1	132.84		
***** Start Shutin 2	0.00	313.3	0.0	132.84	0.0000	0.098
	1.00	749.9	436.5	132.90	88.0000	0.562
	2.00	1390.0	1076.7	133.05	44.5000	1.932
	3.00	1436.8	1123.5	133.15	30.0000	2.064
	4.00	1454.0	1140.6	133.27	22.7500	2.114
	5.00	1463.6	1150.3	133.36	18.4000	2.142
	6.00	1469.9	1156.6	133.47	15.5000	2.161
	7.00	1474.6	1161.3	133.55	13.4286	2.174
	8.00	1478.2	1164.9	133.63	11.8750	2.185
	9.00	1481.1	1167.7	133.65	10.6667	2.194
	10.00	1483.5	1170.2	133.77	9.7000	2.201
	11.00	1485.5	1172.2	133.82	8.9091	2.207
	12.00	1487.3	1173.9	133.87	8.2500	2.212
	13.00	1488.8	1175.4	133.92	7.6923	2.216
	14.00	1490.1	1176.7	133.95	7.2143	2.220

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 7928 Abercrombie Drlg. Weiss 'B' #1 DST #6

DATE: 03/21/96

TIME: 05:32:48

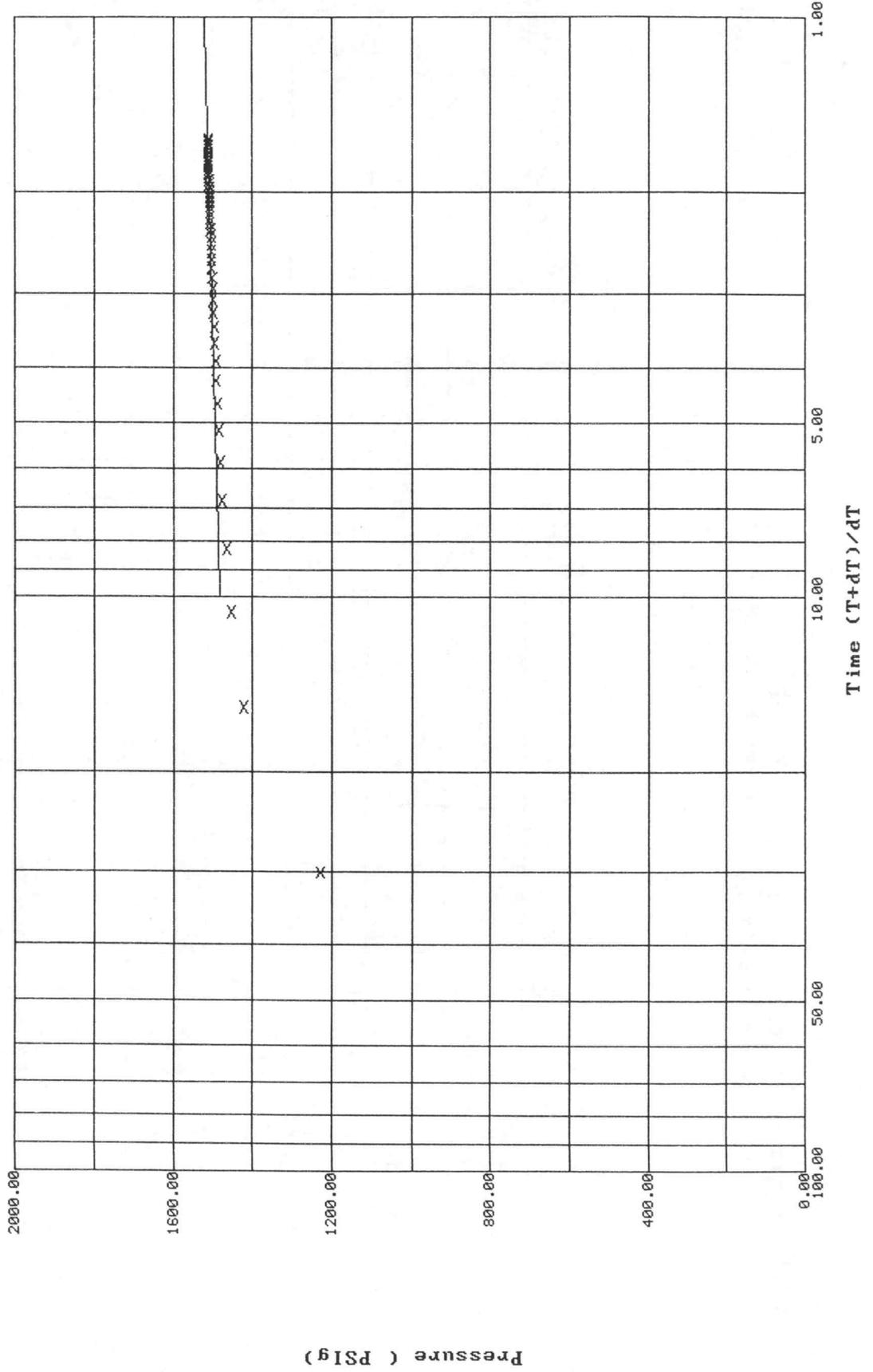
Time	Pressure PSIg	delta P PSIg	P	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
15.00	1491.2	1177.9	133.99	133.99	6.8000	2.224
16.00	1492.3	1178.9	134.02	134.02	6.4375	2.227
17.00	1493.2	1179.9	134.03	134.03	6.1176	2.230
18.00	1494.0	1180.7	134.05	134.05	5.8333	2.232
19.00	1494.7	1181.4	134.08	134.08	5.5789	2.234
20.00	1495.5	1182.2	134.05	134.05	5.3500	2.237
21.00	1496.2	1182.9	134.09	134.09	5.1429	2.239
22.00	1496.8	1183.5	134.13	134.13	4.9545	2.240
23.00	1497.3	1184.0	134.11	134.11	4.7826	2.242
24.00	1497.9	1184.6	134.10	134.10	4.6250	2.244
25.00	1498.4	1185.0	134.10	134.10	4.4800	2.245
26.00	1498.9	1185.6	134.08	134.08	4.3462	2.247
27.00	1499.4	1186.0	134.07	134.07	4.2222	2.248
28.00	1499.8	1186.5	134.07	134.07	4.1071	2.249
29.00	1500.2	1186.9	134.06	134.06	4.0000	2.251
30.00	1500.5	1187.2	134.04	134.04	3.9000	2.252
31.00	1500.9	1187.6	134.02	134.02	3.8065	2.253
32.00	1501.3	1188.0	133.99	133.99	3.7188	2.254
33.00	1501.7	1188.3	133.97	133.97	3.6364	2.255
34.00	1501.9	1188.6	133.95	133.95	3.5588	2.256
35.00	1502.2	1188.9	133.93	133.93	3.4857	2.257
36.00	1502.5	1189.2	133.90	133.90	3.4167	2.258
37.00	1502.8	1189.5	133.89	133.89	3.3514	2.258
38.00	1503.1	1189.7	133.86	133.86	3.2895	2.259
39.00	1503.3	1190.0	133.82	133.82	3.2308	2.260
40.00	1503.6	1190.3	133.79	133.79	3.1750	2.261
41.00	1503.8	1190.5	133.76	133.76	3.1220	2.261
42.00	1504.1	1190.8	133.73	133.73	3.0714	2.262
43.00	1504.3	1190.9	133.71	133.71	3.0233	2.263
44.00	1504.4	1191.1	133.68	133.68	2.9773	2.263
45.00	1504.7	1191.3	133.64	133.64	2.9333	2.264
46.00	1504.9	1191.6	133.61	133.61	2.8913	2.265
47.00	1505.1	1191.7	133.58	133.58	2.8511	2.265
***** End Shut-in 2						
***** Final Hydro.	308.00	2377.2	0.0	133.57		

Horner Plot: shut-in #1

9328 Abercrombie Drlg. Weiss 'B' #1 DST #6

Slope: 39.5213 PSig/cycle

Ext. Pressure: 1521.3546 PSig

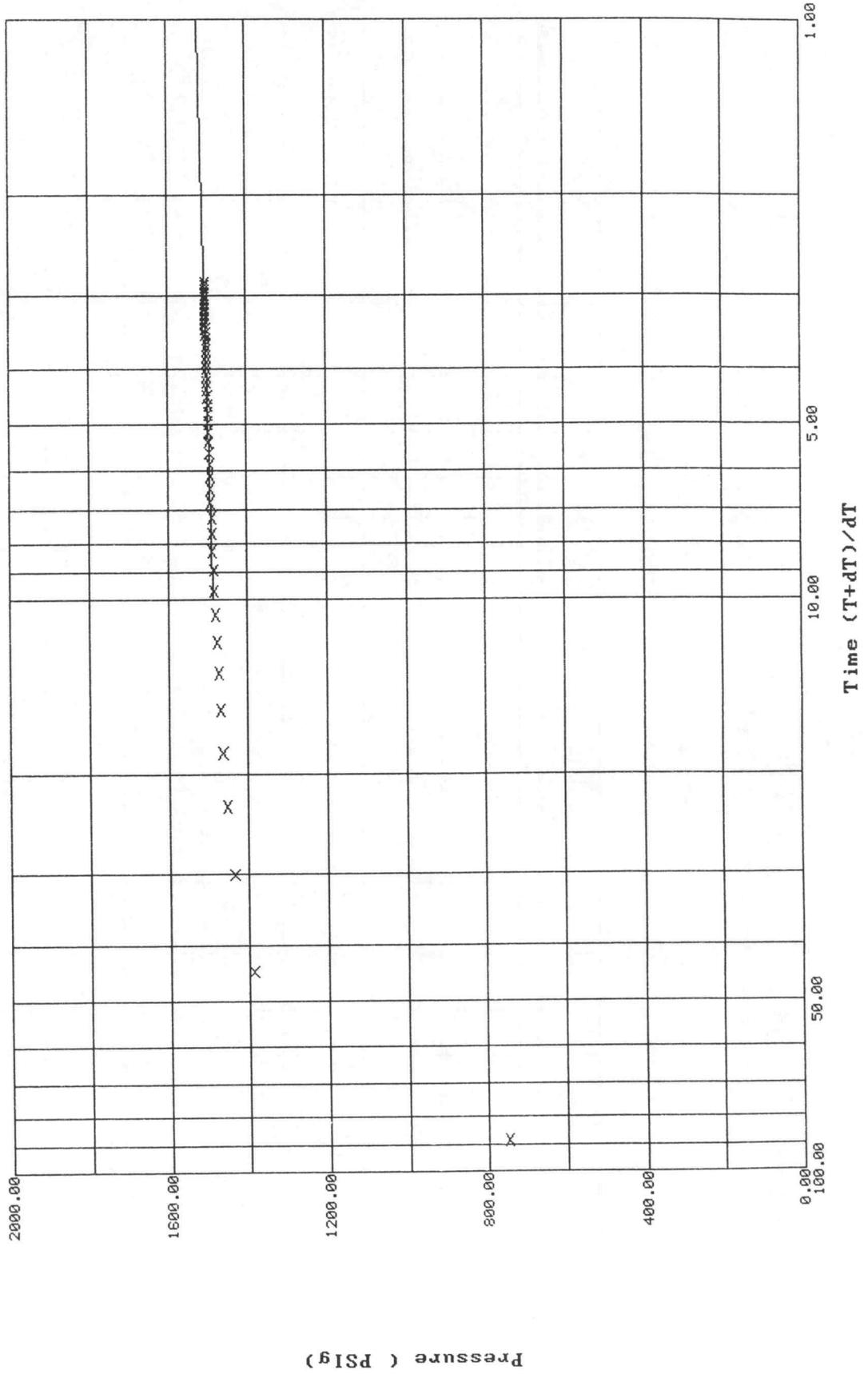


Horner Plot: shut-in #2

9328 Abercrombie Drlg. Weiss 'B' #1 DST #6

Slope: 33.1147 PSig/cycle

Ext. Pressure: 1520.1686 PSig



*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Weiss #1 "B"

LOCATION : 24-25S-21W, Ford Cty KS

TICKET No. 9328 D.S.T. No. 6 DATE 3-21-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 9

TOTAL TOOL 29

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 29

D.C. ABOVE TOOLS.Stands3 Single 1 Total 299

D.P. ABOVE TOOLS.Stands50 Single 2 Total 4453

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4781

TOTAL DEPTH 4761

TOTAL DRILL PIPE ABOVE K.B. 20

REMARKS:

P.O. SUB	
C.O. SUB top of tool	4732
S.I. TOOL H&T	4638
HMV Sterling	4743
JARS n\a	
SAFETY JOINT n\a	
PACKER Top Packer	4747
PACKER Bottom Packer	4752
DEPTH 4752	
STUBB 4753	
ANCHOR	
Alpine recorder	4753
T.C. DEPTH	
5' perf	4758
3' bull plug	
BULLNOSE to	
T.D.	4761

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 9328

Well Name & No. <u>#1 Weiss B</u>	Test No. <u>6</u>	Date <u>3-21-96</u>
Company <u>Abercrombie Drilg Inc</u>	Zone Tested <u>Miss</u>	
Address _____	Elevation <u>2289 KB 2284 GL</u>	
Co. Rep / Geo. <u>Steve Davis</u>	Cont. <u>Abercrombie #5</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>24</u>	Twp. <u>25s</u>	Rge. <u>21w</u> Co. <u>Ford</u> State <u>Ks</u>
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>4752-4761</u>	Initial Str Wt./Lbs. <u>56,000</u>	Unseated Str Wt./Lbs. <u>56,000</u>
Anchor Length <u>9</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>56,000</u>
Top Packer Depth <u>4747</u>	Hole Size — <u>7 7/8"</u>	Rubber Size — <u>6 3/4"</u>
Bottom Packer Depth <u>4752</u>	Wt. Pipe I.D. — <u>2.7 Ft. Run</u>	
Total Depth <u>4761</u>	Drill Collar — <u>2.25 Ft. Run</u>	<u>299</u>
Mud Wt. _____ LCM _____ Vis. _____ WL _____	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>4453</u>
Blow Description <u>1/2" blow building to bottom of bucket in 25 minutes</u>		
<u>ISI - weak surface blow</u>		
<u>FS - 1/2" blow building to bottom of bucket in 25 minutes</u>		

Recovery — Total Feet	Ft. in DC	Ft. in WP	Ft. in DP	%gas	%oil	%water	%mud
<u>555</u>	<u>299</u>		<u>256</u>				
Rec. <u>5</u> Feet Of <u>clean oil</u>							
Rec. <u>550</u> Feet Of <u>oil specked water</u>							
Rec. _____ Feet Of _____							
Rec. _____ Feet Of _____							
Rec. _____ Feet Of _____							

BHT 133 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
RW .27 @ 57 °F Chlorides 32,000 ppm Recovery Chlorides 8000 ppm System

(A) Initial Hydrostatic Mud <u>2466</u> PSI	Recorder No. <u>2341</u>	T-Started <u>0603</u>
(B) First Initial Flow Pressure <u>26</u> PSI	@ (depth) <u>4753</u>	T-Open <u>0735</u>
(C) First Final Flow Pressure <u>170</u> PSI	Recorder No. _____	T-Pulled <u>1035</u>
(D) Initial Shut-in Pressure <u>1513</u> PSI	@ (depth) _____	T-Out <u>1220</u>
(E) Second Initial Flow Pressure <u>176</u> PSI	Recorder No. _____	
(F) Second Final Flow Pressure <u>313</u> PSI	@ (depth) _____	
(G) Final Shut-in Pressure <u>1505</u> PSI	Initial Opening <u>30</u>	Test <u>600</u>
(H) Final Hydrostatic Mud <u>2377</u> PSI	Initial Shut-in <u>45</u>	Jars _____

Final Flow <u>60</u>	Safety Joint _____
Final Shut-in <u>45</u>	Straddle _____
	Circ. Sub _____
	Sampler _____
	Extra Packer _____
	Elect. Rec. <u>n/c</u>
	Other _____
	TOTAL PRICE \$ <u>600</u>

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Approved By [Signature]

Our Representative Paul Simpson