

WELL NAME: Allen Trust #1-10
COMPANY: Zinke & Trumbo Inc
LOCATION: 10-31S-33W
Seward County Kansas
DATE: 07/18/97

TRILOBITE TESTING L.L.C.

OPERATOR : Zinke & Trumbo
WELL NAME: #1-10 Allen"Trust"
LOCATION : Sec.10 Twp.31s Rge.33w
INTERVAL : 5298.00 To 5428.00 ft

DATE 7/14/97
KB 2910.00 ft
GR 2906.00 ft
TD 5428.00 ft

TICKET NO: 10028
FORMATION: Marrow
TEST TYPE: CONV

DST #1

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13849	13849	2350			PF Fr. 0404 to 0434 hr
SI 60 Range(Psi)	4375.0	4375.0	4995.0	0.0	0.0	IS Fr. 0434 to 0534 hr
SF 60 Clock(hrs)	12 hr	12 hr	Elec			SF Fr. 0534 to 0634 hr
FS 120 Depth(ft)	5425.0	5425.0	5309.0	0.0	0.0	FS Fr. 0634 to 0834 hr

	Field	1	2	3	4	
A. Init Hydro	2772.0	2762.0	2722.0	0.0	0.0	T STARTED 0000 hr
B. First Flow	390.0	380.0	345.0	0.0	0.0	T ON BOTM 0400 hr
Bl. Final Flow	211.0	204.0	79.0	0.0	0.0	T OPEN 0404 hr
C. In Shut-in	1526.0	1535.0	1498.0	0.0	0.0	T PULLED 0834 hr
D. Init Flow	267.0	267.0	119.0	0.0	0.0	T OUT 1200 hr
E. Final Flow	222.0	225.0	176.0	0.0	0.0	
F. Fl Shut-in	1416.0	1435.0	1420.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2224.0	2448.0	2297.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 115000.00 lbs
						Initial Str Wt 65000.00 lbs
						Unseated Str Wt 74000.00 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 243.00 ft
						D.P. Length 5131.00 ft

RECOVERY

Tot Fluid 526.00 ft of 243.00 ft in DC and 283.00 ft in DP

60.00 ft of Mud Cut Oil

0.00 ft of 40%oil 60%mud

400.00 ft of Very Slight Mud Cut Oil

0.00 ft of 5%nud 95%oil

66.00 ft of Mud Cut Oil

0.00 ft of 20%mud 80%oil

0.00 ft of

0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 40.00

BLOW DESCRIPTION

Initial Flow:

Weak blow, Increased to bottom of bucket in 4 1/2 mins

Initial Shut In:

Bled down for 10 mins, No blow Back

Final Flow:

Gas to surface in less than 1 min

Final Shut In:

Bled down for 20 mins, no blow back

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/c
Vis.	52.00 S/L
W.L.	9.60 in3
F.C.	1.32 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	128.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Darren Amerine
Co. Rep.	Wesley Hensen
Contr.	Val Energy
Rig #	1
Unit #	
Pump T.	

Test Successful:

*** TOOL DIAGRAM *** CONV

WELL NAME: #1-10 Allen"Trust"

LOCATION : Sec.10 Twp.31s Rge.33w

TICKET No. 10028 D.S.T. No. 1 DATE 7/14/97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 30'

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 35

TOTAL TOOL 65

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 1 Single 1 Total 95

TOTAL ASSEMBLY 160

D.C. ABOVE TOOLS.Stands4 Single Total 243

D.P. ABOVE TOOLS.Stands82 Single 1 Total 5041

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5444'

TOTAL DEPTH 5428'

TOTAL DRILL PIPE ABOVE K.B. 16'

REMARKS:

Fluid Sampler Data

Sampler recovery	Sampler Analysis
Gas--900-----ML.	Resistivity---Ohms@---F
Oil-2600-----ML.	Chlorides-----ppm
Mud--500-----ML.	Gravity--40---corr.at 60*
Water-----ML.	
Other-----ML.	
Pressure-200--Psi.	
Total-4000---ML.	

P.O. SUB	
C.O. SUB	5269
S.I. TOOL	5274
Fluid sampler @	5277
HMV	5282
JARS	5287
SAFETY JOINT	5289
PACKER	5293
PACKER	5298
DEPTH	
STUBB 1'stubb to	5299
ANCHOR 5'of perfs.to	5304
alpine rec.@ 5309	
95'drill pipe to	5399
	5399
	5399
27' of perfs to	5426
	5426
	5426
Ak-1 rec @ 5425	
BULLNOSE 2'bullnose to	5428
T.D.	

GAS RECOVERY

COMPANY: Zinke & Trumbo	DATE: 7/14/97
WELL NAME: #1-10 Allen"Trust"	KB Elev: 2910.00 ft TICKET #10028 DST #1
WELL LOCATION: Sec.10 Twp.31s Rge.33w	GR Elev: 2906.00 ft FORMATION: Marrow
INTERVAL Fr.: 5298.00 To 5428.00 T.D.: 5428.00 ft TEST TYPE: CONV	

GAS RECOVERY MEASURED WITH Adj.Choke

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.25	0	26	8560.0
10	0.25	0	20	7510.0
15	0.25	0	14	6330.0
20	0.25	0	13	6100.0
25	0.25	0	12	5860.0
30	0.25	0	10	5320.0
35	0.25	0	8	4760.0
40	0.25	0	6	4120.0
45	0.25	0	6	4120.0
50	0.25	0	8	4760.0
55	0.25	0	10	5320.0
60	0.25	0	8	4760.0

CALCULATED RECOVERY ANALYSIS

DST # 1 TICKET 10028

Drill Pipe	TOTAL	GAS		OIL		WATER		MUD	
#	FEET	%	FEET	%	FEET	%	FEET	%	FEET
1	60		0	40	24		0	60	36
2	343		0	95	325.85		0	5	17.15
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
Drill Collars									
1	57		0	95	54.15		0	5	2.85
2	66		0	80	52.8		0	20	13.2
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	526	0.00	0	86.84	456.8	0.00	0	13.16	69.2

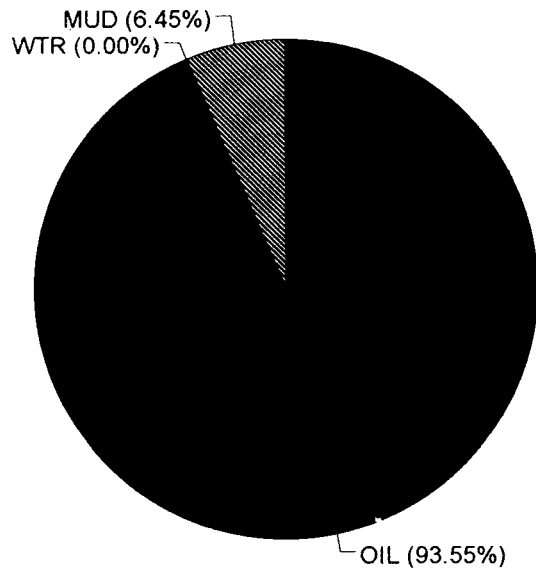
HRS OP BBL/DAY

BBL OIL= 5.4978525 * 1.5 87.9656

BBL WATER= 0 * 0

BBL MUD= 0.378915

BBL GAS 0



 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: TK#10028 #1-10 Allen-Trust DST#1 Zinke/Trumbo
 DATE: 07/14/97 TIME: 00:02:15

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	234.50	2721.7	0.0	116.15		
***** Start Flow 1	0.00	345.1	0.0	116.18		
	0.50	468.7	123.6	116.23		
	1.00	703.6	358.5	116.25		
	1.50	377.5	32.4	116.27		
	2.00	516.0	170.9	116.27		
	2.50	647.7	302.6	116.27		
	3.00	770.8	425.7	116.26		
	3.50	891.4	546.3	116.26		
	4.00	553.3	208.2	116.24		
	4.50	360.6	15.5	116.22		
	5.00	471.6	126.5	116.21		
	5.50	569.0	223.9	116.22		
	6.00	630.9	285.8	116.23		
	6.50	704.1	359.0	116.24		
	7.00	796.2	451.1	116.26		
	7.50	883.5	538.4	116.28		
	8.00	967.4	622.3	116.33		
	8.50	298.4	-46.7	116.41		
	9.00	200.2	-144.9	116.50		
	9.50	235.6	-109.5	116.59		
	10.00	214.8	-130.3	116.71		
	10.50	271.4	-73.7	116.84		
	11.00	323.0	-22.1	116.98		
	11.50	363.5	18.4	117.12		
	12.00	417.1	72.0	117.23		
	12.50	469.7	124.5	117.34		
	13.00	522.7	177.6	117.43		
	13.50	576.2	231.1	117.51		
	14.00	630.0	284.9	117.58		
	14.50	683.8	338.7	117.64		
	15.00	737.2	392.1	117.71		
	15.50	790.9	445.8	117.76		
	16.00	844.7	499.6	117.82		
	16.50	898.9	553.8	117.88		
	17.00	954.3	609.2	117.92		
	17.50	1009.1	664.0	117.98		
	18.00	1062.1	717.0	118.00		
	18.50	1112.1	767.0	118.07		
	19.00	1150.2	805.1	118.11		
	19.50	1193.9	848.8	118.14		
	20.00	1231.5	886.4	118.16		
	20.50	1255.1	910.0	118.24		
	21.00	277.2	-67.9	118.25		
	21.50	191.5	-153.6	118.30		
	22.00	273.3	-71.8	118.33		
	22.50	334.7	-10.4	118.38		
	23.00	391.9	46.8	118.44		
	23.50	206.6	-138.5	118.50		
	24.00	150.3	-194.8	118.55		
	24.50	118.1	-227.0	118.61		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#10028 #1-10 Allen-Trust DST#1 Zinke/Trumbo

DATE: 07/14/97

TIME: 00:02:15

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** End Flow 1	25.00	95.8	-249.3	118.67		
	25.50	79.4	-265.7	118.73		
***** Start Shutin 1	0.00	79.4	0.0	118.73	0.0000	0.006
	0.50	78.2	-1.2	118.78	52.0000	0.006
	1.00	75.4	-3.9	118.82	26.5000	0.006
	1.50	74.2	-5.2	118.89	18.0000	0.006
	2.00	75.5	-3.9	118.93	13.7500	0.006
	2.50	77.5	-1.9	118.98	11.2000	0.006
	3.00	107.7	28.3	119.03	9.5000	0.012
	3.50	100.2	20.8	119.07	8.2857	0.010
	4.00	149.9	70.5	119.11	7.3750	0.022
	4.50	197.0	117.6	119.16	6.6667	0.039
	5.00	243.0	163.6	119.20	6.1000	0.059
	5.50	288.5	209.1	119.22	5.6364	0.083
	6.00	333.9	254.6	119.26	5.2500	0.112
	6.50	379.6	300.2	119.31	4.9231	0.144
	7.00	425.2	345.8	119.38	4.6429	0.181
	7.50	470.5	391.1	119.45	4.4000	0.221
	8.00	516.0	436.6	119.55	4.1875	0.266
	8.50	561.4	482.0	119.66	4.0000	0.315
	9.00	606.2	526.8	119.79	3.8333	0.367
	9.50	650.7	571.3	119.95	3.6842	0.423
	10.00	695.2	615.9	120.09	3.5500	0.483
	10.50	737.7	658.3	120.23	3.4286	0.544
	11.00	782.9	703.5	120.39	3.3182	0.613
	11.50	827.4	748.0	120.55	3.2174	0.685
	12.00	871.8	792.4	120.70	3.1250	0.760
	12.50	915.1	835.7	120.86	3.0400	0.837
	13.00	957.6	878.2	121.01	2.9615	0.917
	13.50	998.2	918.8	121.18	2.8889	0.996
	14.00	1036.4	957.0	121.34	2.8214	1.074
	14.50	1071.8	992.4	121.51	2.7586	1.149
	15.00	1104.1	1024.8	121.66	2.7000	1.219
	15.50	1133.3	1053.9	121.84	2.6452	1.284
	16.00	1159.0	1079.6	122.00	2.5938	1.343
	16.50	1181.7	1102.3	122.16	2.5455	1.396
	17.00	1201.2	1121.8	122.30	2.5000	1.443
	17.50	1218.4	1139.0	122.45	2.4571	1.484
	18.00	1233.3	1153.9	122.60	2.4167	1.521
	18.50	1246.3	1166.9	122.71	2.3784	1.553
	19.00	1257.7	1178.3	122.80	2.3421	1.582
	19.50	1267.7	1188.3	122.93	2.3077	1.607
	20.00	1276.4	1197.1	123.06	2.2750	1.629
	20.50	1284.4	1205.0	123.13	2.2439	1.650
	21.00	1291.7	1212.3	123.24	2.2143	1.669
	21.50	1298.4	1219.0	123.37	2.1860	1.686
	22.00	1304.7	1225.3	123.42	2.1591	1.702
	22.50	1310.5	1231.1	123.51	2.1333	1.717
	23.00	1316.0	1236.6	123.59	2.1087	1.732
	23.50	1321.1	1241.7	123.68	2.0851	1.745
	24.00	1326.1	1246.7	123.76	2.0625	1.758

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#10028 #1-10 Allen-Trust DST#1 Zinke/Trumbo

DATE: 07/14/97

TIME: 00:02:15

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
24.50	1330.8	1251.4	123.83	2.0408	1.771
25.00	1335.1	1255.7	123.90	2.0200	1.783
25.50	1339.6	1260.2	123.97	2.0000	1.794
26.00	1343.7	1264.3	124.07	1.9808	1.805
26.50	1347.6	1268.2	124.11	1.9623	1.816
27.00	1351.6	1272.2	124.17	1.9444	1.827
27.50	1355.3	1276.0	124.23	1.9273	1.837
28.00	1359.0	1279.6	124.29	1.9107	1.847
28.50	1362.5	1283.1	124.33	1.8947	1.856
29.00	1366.0	1286.6	124.37	1.8793	1.866
29.50	1369.4	1290.1	124.44	1.8644	1.875
30.00	1372.6	1293.2	124.50	1.8500	1.884
30.50	1376.0	1296.6	124.55	1.8361	1.893
31.00	1379.0	1299.6	124.60	1.8226	1.902
31.50	1382.0	1302.6	124.65	1.8095	1.910
32.00	1385.1	1305.7	124.71	1.7969	1.919
32.50	1387.9	1308.5	124.74	1.7846	1.926
33.00	1390.8	1311.5	124.79	1.7727	1.934
33.50	1393.6	1314.2	124.83	1.7612	1.942
34.00	1396.5	1317.1	124.87	1.7500	1.950
34.50	1399.1	1319.7	124.91	1.7391	1.957
35.00	1401.8	1322.4	124.94	1.7286	1.965
35.50	1404.2	1324.8	124.98	1.7183	1.972
36.00	1406.9	1327.5	125.03	1.7083	1.979
36.50	1409.3	1329.9	125.06	1.6986	1.986
37.00	1411.7	1332.4	125.09	1.6892	1.993
37.50	1414.1	1334.7	125.12	1.6800	2.000
38.00	1416.5	1337.1	125.14	1.6711	2.007
38.50	1418.8	1339.4	125.19	1.6623	2.013
39.00	1421.0	1341.6	125.21	1.6538	2.019
39.50	1423.3	1343.9	125.24	1.6456	2.026
40.00	1425.3	1346.0	125.26	1.6375	2.032
40.50	1427.5	1348.1	125.28	1.6296	2.038
41.00	1429.5	1350.1	125.31	1.6220	2.044
41.50	1431.7	1352.3	125.34	1.6145	2.050
42.00	1433.6	1354.2	125.36	1.6071	2.055
42.50	1435.7	1356.3	125.39	1.6000	2.061
43.00	1437.6	1358.2	125.40	1.5930	2.067
43.50	1439.4	1360.0	125.43	1.5862	2.072
44.00	1441.5	1362.1	125.44	1.5795	2.078
44.50	1443.3	1363.9	125.46	1.5730	2.083
45.00	1445.1	1365.7	125.48	1.5667	2.088
45.50	1446.8	1367.4	125.50	1.5604	2.093
46.00	1448.6	1369.2	125.52	1.5543	2.098
46.50	1450.3	1370.9	125.54	1.5484	2.103
47.00	1452.1	1372.7	125.55	1.5426	2.109
47.50	1453.8	1374.4	125.56	1.5368	2.114
48.00	1455.6	1376.2	125.61	1.5312	2.119
48.50	1457.1	1377.8	125.59	1.5258	2.123
49.00	1458.7	1379.4	125.61	1.5204	2.128
49.50	1460.3	1380.9	125.62	1.5152	2.132

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#10028 #1-10 Allen-Trust DST#1 Zinke/Trumbo

DATE: 07/14/97

TIME: 00:02:15

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	50.00	1461.8	1382.4	125.64	1.5100	2.137
	50.50	1463.4	1384.0	125.64	1.5050	2.141
	51.00	1465.0	1385.6	125.67	1.5000	2.146
	51.50	1466.5	1387.1	125.70	1.4951	2.151
	52.00	1467.9	1388.5	125.69	1.4904	2.155
	52.50	1469.5	1390.1	125.70	1.4857	2.159
	53.00	1470.9	1391.5	125.71	1.4811	2.164
	53.50	1472.3	1392.9	125.73	1.4766	2.168
	54.00	1473.7	1394.3	125.72	1.4722	2.172
	54.50	1475.0	1395.6	125.76	1.4679	2.176
	55.00	1476.4	1397.1	125.76	1.4636	2.180
	55.50	1477.9	1398.5	125.76	1.4595	2.184
	56.00	1479.1	1399.7	125.76	1.4554	2.188
	56.50	1480.5	1401.1	125.79	1.4513	2.192
	57.00	1481.7	1402.3	125.79	1.4474	2.195
	57.50	1482.8	1403.4	125.79	1.4435	2.199
	58.00	1484.1	1404.7	125.82	1.4397	2.203
	58.50	1485.3	1406.0	125.82	1.4359	2.206
	59.00	1486.7	1407.3	125.84	1.4322	2.210
	59.50	1487.9	1408.5	125.84	1.4286	2.214
	60.00	1489.0	1409.7	125.85	1.4250	2.217
	60.50	1490.2	1410.8	125.87	1.4215	2.221
	61.00	1491.3	1411.9	125.89	1.4180	2.224
	61.50	1492.6	1413.3	125.96	1.4146	2.228
	62.00	1493.6	1414.2	125.87	1.4113	2.231
	62.50	1494.9	1415.5	125.69	1.4080	2.235
	63.00	1495.9	1416.5	125.84	1.4048	2.238
	63.50	1497.0	1417.6	125.89	1.4016	2.241
***** End Shut-in 1	64.00	1497.9	1418.5	125.91	1.3984	2.244
***** Start Flow 2	0.00	118.7	0.0	125.82		
	0.50	124.7	6.0	125.75		
	1.00	135.3	16.5	125.65		
	1.50	148.1	29.4	125.55		
	2.00	141.7	23.0	125.44		
	2.50	144.0	25.3	125.32		
	3.00	121.9	3.2	125.20		
	3.50	119.8	1.1	125.08		
	4.00	130.2	11.5	124.97		
	4.50	142.2	23.4	124.87		
	5.00	115.6	-3.1	124.76		
	5.50	109.3	-9.4	124.65		
	6.00	103.9	-14.9	124.61		
	6.50	97.3	-21.4	124.47		
	7.00	94.9	-23.8	124.39		
	7.50	91.3	-27.4	124.32		
	8.00	87.3	-31.5	124.25		
	8.50	88.9	-29.9	124.19		
	9.00	105.7	-13.1	124.15		
	9.50	92.4	-26.4	124.11		
	10.00	93.4	-25.3	124.08		
	10.50	95.2	-23.5	124.05		

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: TK#10028 #1-10 Allen-Trust DST#1 Zinke/Trumbo
 DATE: 07/14/97 TIME: 00:02:15

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
11.00	92.2	-26.5	124.03		
11.50	92.2	-26.5	124.02		
12.00	96.2	-22.6	124.01		
12.50	95.8	-23.0	124.01		
13.00	102.3	-16.4	124.00		
13.50	109.1	-9.7	124.01		
14.00	107.6	-11.2	124.02		
14.50	117.7	-1.1	124.02		
15.00	125.3	6.5	124.03		
15.50	133.2	14.4	124.05		
16.00	143.3	24.6	124.06		
16.50	114.5	-4.3	124.07		
17.00	107.0	-11.7	124.10		
17.50	107.5	-11.2	124.11		
18.00	124.5	5.7	124.13		
18.50	109.5	-9.2	124.15		
19.00	109.6	-9.1	124.17		
19.50	110.4	-8.4	124.18		
20.00	109.2	-9.6	124.21		
20.50	108.9	-9.8	124.22		
21.00	111.1	-7.6	124.24		
21.50	110.6	-8.1	124.26		
22.00	111.6	-7.1	124.27		
22.50	111.5	-7.2	124.30		
23.00	112.0	-6.7	124.32		
23.50	111.2	-7.6	124.34		
24.00	115.5	-3.3	124.35		
24.50	115.2	-3.5	124.37		
25.00	116.1	-2.6	124.39		
25.50	117.2	-1.5	124.41		
26.00	119.3	0.6	124.42		
26.50	120.1	1.3	124.44		
27.00	121.6	2.9	124.45		
27.50	122.1	3.4	124.47		
28.00	123.6	4.9	124.49		
28.50	123.6	4.9	124.51		
29.00	122.5	3.8	124.52		
29.50	122.7	3.9	124.54		
30.00	123.8	5.0	124.55		
30.50	124.6	5.9	124.56		
31.00	125.5	6.7	124.58		
31.50	126.4	7.6	124.61		
32.00	126.5	7.7	124.61		
32.50	126.8	8.1	124.63		
33.00	128.4	9.7	124.65		
33.50	127.9	9.1	124.67		
34.00	127.8	9.1	124.68		
34.50	129.2	10.5	124.70		
35.00	130.1	11.3	124.71		
35.50	131.5	12.8	124.73		
36.00	132.9	14.2	124.75		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#10028 #1-10 Allen-Trust DST#1 Zinke/Trumbo

DATE: 07/14/97

TIME: 00:02:15

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	36.50	135.4	16.6	124.76		
	37.00	136.0	17.2	124.78		
	37.50	137.2	18.5	124.80		
	38.00	137.9	19.1	124.81		
	38.50	138.6	19.8	124.83		
	39.00	140.0	21.2	124.84		
	39.50	139.1	20.4	124.86		
	40.00	138.1	19.4	124.88		
	40.50	139.5	20.7	124.89		
	41.00	140.2	21.5	124.90		
	41.50	140.0	21.2	124.92		
	42.00	140.2	21.5	124.93		
	42.50	140.8	22.1	124.95		
	43.00	140.7	22.0	124.97		
	43.50	141.7	23.0	124.98		
	44.00	142.2	23.4	124.99		
	44.50	142.8	24.1	125.01		
	45.00	142.2	23.4	125.03		
	45.50	141.9	23.2	125.04		
	46.00	142.4	23.7	125.06		
	46.50	143.8	25.1	125.07		
	47.00	142.7	23.9	125.09		
	47.50	143.8	25.0	125.10		
	48.00	144.1	25.3	125.11		
	48.50	144.3	25.6	125.14		
	49.00	145.7	26.9	125.14		
	49.50	145.6	26.9	125.17		
	50.00	146.5	27.8	125.18		
	50.50	147.0	28.3	125.20		
	51.00	146.3	27.5	125.22		
	51.50	148.9	30.1	125.24		
	52.00	149.7	31.0	125.26		
	52.50	150.4	31.6	125.27		
	53.00	150.5	31.7	125.29		
	53.50	149.7	31.0	125.30		
	54.00	149.0	30.2	125.32		
	54.50	150.4	31.6	125.33		
	55.00	150.4	31.6	125.35		
	55.50	151.1	32.3	125.36		
	56.00	151.1	32.3	125.38		
	56.50	150.6	31.9	125.39		
	57.00	152.2	33.4	125.40		
	57.50	153.2	34.4	125.42		
	58.00	152.7	33.9	125.44		
***** End Flow 2	58.50	176.1	57.3	125.45		
***** Start Shutin 2	0.00	176.1	0.0	125.45	0.0000	0.031
	0.50	223.5	47.4	125.47	169.0000	0.050
	1.00	267.7	91.6	125.48	85.0000	0.072
	1.50	311.1	135.0	125.52	57.0000	0.097
	2.00	353.3	177.3	125.53	43.0000	0.125
	2.50	395.5	219.5	125.53	34.6000	0.156

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: TK#10028 #1-10 Allen-Trust DST#1 Zinke/Trumbo
DATE: 07/14/97 TIME: 00:02:15

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
3.00	436.9	260.8	125.55	29.0000	0.191
3.50	477.3	301.2	125.56	25.0000	0.228
4.00	517.4	341.3	125.57	22.0000	0.268
4.50	556.6	380.5	125.58	19.6667	0.310
5.00	595.6	419.6	125.60	17.8000	0.355
5.50	633.9	457.8	125.61	16.2727	0.402
6.00	671.1	495.0	125.62	15.0000	0.450
6.50	709.0	532.9	125.65	13.9231	0.503
7.00	746.4	570.3	125.68	13.0000	0.557
7.50	783.2	607.1	125.71	12.2000	0.613
8.00	818.2	642.1	125.74	11.5000	0.669
8.50	851.3	675.2	125.77	10.8824	0.725
9.00	881.7	705.6	125.81	10.3333	0.777
9.50	909.2	733.1	125.85	9.8421	0.827
10.00	933.7	757.6	125.90	9.4000	0.872
10.50	955.0	778.9	125.93	9.0000	0.912
11.00	973.6	797.5	125.97	8.6364	0.948
11.50	989.4	813.3	126.01	8.3043	0.979
12.00	1003.4	827.4	126.04	8.0000	1.007
12.50	1015.4	839.4	126.09	7.7200	1.031
13.00	1026.3	850.2	126.12	7.4615	1.053
13.50	1035.7	859.6	126.16	7.2222	1.073
14.00	1044.1	868.1	126.21	7.0000	1.090
14.50	1051.9	875.8	126.22	6.7931	1.106
15.00	1058.9	882.8	126.28	6.6000	1.121
15.50	1065.4	889.3	126.30	6.4194	1.135
16.00	1071.4	895.3	126.34	6.2500	1.148
16.50	1077.0	901.0	126.38	6.0909	1.160
17.00	1082.2	906.2	126.41	5.9412	1.171
17.50	1087.5	911.5	126.44	5.8000	1.183
18.00	1092.3	916.2	126.47	5.6667	1.193
18.50	1096.9	920.9	126.49	5.5405	1.203
19.00	1101.5	925.4	126.52	5.4211	1.213
19.50	1105.8	929.8	126.55	5.3077	1.223
20.00	1109.9	933.8	126.57	5.2000	1.232
20.50	1113.9	937.8	126.60	5.0976	1.241
21.00	1117.7	941.7	126.62	5.0000	1.249
21.50	1121.5	945.4	126.65	4.9070	1.258
22.00	1125.3	949.2	126.66	4.8182	1.266
22.50	1128.7	952.7	126.68	4.7333	1.274
23.00	1132.3	956.2	126.71	4.6522	1.282
23.50	1135.5	959.5	126.73	4.5745	1.289
24.00	1138.9	962.8	126.76	4.5000	1.297
24.50	1142.1	966.0	126.77	4.4286	1.304
25.00	1145.4	969.3	126.78	4.3600	1.312
25.50	1148.3	972.2	126.81	4.2941	1.319
26.00	1151.3	975.2	126.82	4.2308	1.326
26.50	1154.3	978.3	126.84	4.1698	1.332
27.00	1157.4	981.3	126.84	4.1111	1.339
27.50	1160.2	984.1	126.88	4.0545	1.346
28.00	1162.9	986.8	126.89	4.0000	1.352

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: TK#10028 #1-10 Allen-Trust DST#1 Zinke/Trumbo
 DATE: 07/14/97 TIME: 00:02:15

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
28.50	1165.7	989.6	126.90	3.9474	1.359
29.00	1168.6	992.5	126.93	3.8966	1.366
29.50	1171.3	995.2	126.93	3.8475	1.372
30.00	1173.8	997.7	126.95	3.8000	1.378
30.50	1176.5	1000.4	126.96	3.7541	1.384
31.00	1178.9	1002.9	126.98	3.7097	1.390
31.50	1181.6	1005.5	126.98	3.6667	1.396
32.00	1184.0	1008.0	127.00	3.6250	1.402
32.50	1186.4	1010.3	127.01	3.5846	1.408
33.00	1188.9	1012.8	127.03	3.5455	1.414
33.50	1191.3	1015.3	127.05	3.5075	1.419
34.00	1193.8	1017.7	126.91	3.4706	1.425
34.50	1196.1	1020.1	127.07	3.4348	1.431
35.00	1198.4	1022.3	127.08	3.4000	1.436
35.50	1200.7	1024.7	127.10	3.3662	1.442
36.00	1203.1	1027.0	127.12	3.3333	1.447
36.50	1205.4	1029.3	127.13	3.3014	1.453
37.00	1207.5	1031.5	127.14	3.2703	1.458
37.50	1209.8	1033.7	127.11	3.2400	1.464
38.00	1212.0	1035.9	127.15	3.2105	1.469
38.50	1214.2	1038.1	127.15	3.1818	1.474
39.00	1216.3	1040.2	127.17	3.1538	1.479
39.50	1218.4	1042.3	127.17	3.1266	1.484
40.00	1220.5	1044.4	127.18	3.1000	1.490
40.50	1222.6	1046.5	127.20	3.0741	1.495
41.00	1224.8	1048.7	127.23	3.0488	1.500
41.50	1226.8	1050.7	127.22	3.0241	1.505
42.00	1228.9	1052.8	127.23	3.0000	1.510
42.50	1230.9	1054.8	127.24	2.9765	1.515
43.00	1232.8	1056.7	127.25	2.9535	1.520
43.50	1234.8	1058.7	127.26	2.9310	1.525
44.00	1236.7	1060.6	127.26	2.9091	1.529
44.50	1238.7	1062.6	127.26	2.8876	1.534
45.00	1240.7	1064.6	127.28	2.8667	1.539
45.50	1242.6	1066.6	127.29	2.8462	1.544
46.00	1244.5	1068.4	127.31	2.8261	1.549
46.50	1246.2	1070.2	127.31	2.8065	1.553
47.00	1248.3	1072.3	127.31	2.7872	1.558
47.50	1250.1	1074.0	127.33	2.7684	1.563
48.00	1251.9	1075.9	127.33	2.7500	1.567
48.50	1253.9	1077.8	127.35	2.7320	1.572
49.00	1255.6	1079.5	127.35	2.7143	1.576
49.50	1257.5	1081.4	127.37	2.6970	1.581
50.00	1259.2	1083.2	127.37	2.6800	1.586
50.50	1260.9	1084.9	127.37	2.6634	1.590
51.00	1262.7	1086.6	127.38	2.6471	1.594
51.50	1264.5	1088.5	127.39	2.6311	1.599
52.00	1266.2	1090.1	127.40	2.6154	1.603
52.50	1268.0	1091.9	127.39	2.6000	1.608
53.00	1269.7	1093.6	127.43	2.5849	1.612
53.50	1271.3	1095.3	127.43	2.5701	1.616

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: TK#10028 #1-10 Allen-Trust DST#1 Zinke/Trumbo
DATE: 07/14/97 TIME: 00:02:15

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
54.00	1273.0	1096.9	127.41	2.5556	1.621
54.50	1274.7	1098.6	127.44	2.5413	1.625
55.00	1276.3	1100.2	127.44	2.5273	1.629
55.50	1278.0	1102.0	127.45	2.5135	1.633
56.00	1279.7	1103.7	127.46	2.5000	1.638
56.50	1281.3	1105.2	127.40	2.4867	1.642
57.00	1282.8	1106.8	127.48	2.4737	1.646
57.50	1284.5	1108.4	127.48	2.4609	1.650
58.00	1286.1	1110.0	127.51	2.4483	1.654
58.50	1287.7	1111.6	127.50	2.4359	1.658
59.00	1289.3	1113.2	127.49	2.4237	1.662
59.50	1290.8	1114.7	127.51	2.4118	1.666
60.00	1292.4	1116.3	127.52	2.4000	1.670
60.50	1293.8	1117.8	127.55	2.3884	1.674
61.00	1295.3	1119.3	127.54	2.3770	1.678
61.50	1296.9	1120.9	127.53	2.3659	1.682
62.00	1298.4	1122.4	127.55	2.3548	1.686
62.50	1299.9	1123.9	127.56	2.3440	1.690
63.00	1301.4	1125.3	127.58	2.3333	1.694
63.50	1303.0	1126.9	127.56	2.3228	1.698
64.00	1304.4	1128.3	127.58	2.3125	1.701
64.50	1305.9	1129.8	127.58	2.3023	1.705
65.00	1307.3	1131.2	127.60	2.2923	1.709
65.50	1308.8	1132.7	127.61	2.2824	1.713
66.00	1310.2	1134.1	127.61	2.2727	1.717
66.50	1311.7	1135.6	127.63	2.2632	1.721
67.00	1313.1	1137.1	127.63	2.2537	1.724
67.50	1314.5	1138.4	127.64	2.2444	1.728
68.00	1315.9	1139.8	127.64	2.2353	1.732
68.50	1317.3	1141.3	127.65	2.2263	1.735
69.00	1318.7	1142.6	127.66	2.2174	1.739
69.50	1320.0	1143.9	127.67	2.2086	1.742
70.00	1321.4	1145.4	127.67	2.2000	1.746
70.50	1322.8	1146.7	127.68	2.1915	1.750
71.00	1324.0	1148.0	127.69	2.1831	1.753
71.50	1325.3	1149.2	127.70	2.1748	1.756
72.00	1326.7	1150.7	127.74	2.1667	1.760
72.50	1328.1	1152.0	127.64	2.1586	1.764
73.00	1329.3	1153.3	127.71	2.1507	1.767
73.50	1330.7	1154.6	127.72	2.1429	1.771
74.00	1331.9	1155.9	127.74	2.1351	1.774
74.50	1333.2	1157.1	127.75	2.1275	1.777
75.00	1334.4	1158.4	127.75	2.1200	1.781
75.50	1335.7	1159.6	127.76	2.1126	1.784
76.00	1337.0	1160.9	127.76	2.1053	1.787
76.50	1338.3	1162.2	127.76	2.0980	1.791
77.00	1339.6	1163.5	127.78	2.0909	1.794
77.50	1340.8	1164.8	127.77	2.0839	1.798
78.00	1341.9	1165.8	127.80	2.0769	1.801
78.50	1343.3	1167.3	127.79	2.0701	1.805
79.00	1344.4	1168.4	127.80	2.0633	1.807

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#10028 #1-10 Allen-Trust DST#1 Zinke/Trumbo

DATE: 07/14/97 TIME: 00:02:15

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
79.50	1345.6	1169.5	127.80	2.0566	1.811
80.00	1347.0	1171.0	127.81	2.0500	1.814
80.50	1348.2	1172.1	127.83	2.0435	1.818
81.00	1349.3	1173.2	127.83	2.0370	1.821
81.50	1350.5	1174.4	127.84	2.0307	1.824
82.00	1351.6	1175.5	127.85	2.0244	1.827
82.50	1352.8	1176.8	127.84	2.0182	1.830
83.00	1354.0	1177.9	127.86	2.0120	1.833
83.50	1355.1	1179.0	127.85	2.0060	1.836
84.00	1356.3	1180.2	127.88	2.0000	1.839
84.50	1357.4	1181.3	127.86	1.9941	1.842
85.00	1358.5	1182.5	127.87	1.9882	1.846
85.50	1359.6	1183.6	127.88	1.9825	1.849
86.00	1360.9	1184.8	127.88	1.9767	1.852
86.50	1361.8	1185.7	127.89	1.9711	1.855
87.00	1363.0	1186.9	127.89	1.9655	1.858
87.50	1364.1	1188.0	127.90	1.9600	1.861
88.00	1365.2	1189.2	127.91	1.9545	1.864
88.50	1366.3	1190.2	127.91	1.9492	1.867
89.00	1367.3	1191.3	127.92	1.9438	1.870
89.50	1368.4	1192.3	127.92	1.9385	1.872
90.00	1369.5	1193.5	127.93	1.9333	1.876
90.50	1370.6	1194.5	127.95	1.9282	1.879
91.00	1371.6	1195.6	127.93	1.9231	1.881
91.50	1372.7	1196.6	127.93	1.9180	1.884
92.00	1373.8	1197.7	127.93	1.9130	1.887
92.50	1374.7	1198.7	127.95	1.9081	1.890
93.00	1375.7	1199.7	127.96	1.9032	1.893
93.50	1376.7	1200.7	127.94	1.8984	1.895
94.00	1377.8	1201.8	127.96	1.8936	1.898
94.50	1378.8	1202.7	127.97	1.8889	1.901
95.00	1379.8	1203.7	127.98	1.8842	1.904
95.50	1380.8	1204.7	127.98	1.8796	1.907
96.00	1381.9	1205.8	128.01	1.8750	1.910
96.50	1383.0	1206.9	128.01	1.8705	1.913
97.00	1383.8	1207.7	127.99	1.8660	1.915
97.50	1384.7	1208.6	127.99	1.8615	1.917
98.00	1385.8	1209.7	128.00	1.8571	1.920
98.50	1386.7	1210.7	128.01	1.8528	1.923
99.00	1387.8	1211.7	128.01	1.8485	1.926
99.50	1388.7	1212.6	128.02	1.8442	1.928
100.00	1389.6	1213.5	128.02	1.8400	1.931
100.50	1390.6	1214.5	128.04	1.8358	1.934
101.00	1391.4	1215.4	128.03	1.8317	1.936
101.50	1392.5	1216.4	128.05	1.8276	1.939
102.00	1393.3	1217.2	128.07	1.8235	1.941
102.50	1394.2	1218.1	128.05	1.8195	1.944
103.00	1395.2	1219.1	128.05	1.8155	1.947
103.50	1396.0	1220.0	128.05	1.8116	1.949
104.00	1397.0	1220.9	128.06	1.8077	1.952
104.50	1398.0	1221.9	128.06	1.8038	1.954

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#10028 #1-10 Allen-Trust DST#1 Zinke/Trumbo

DATE: 07/14/97

TIME: 00:02:15

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	105.00	1398.9	1222.8	128.07	1.8000	1.957
	105.50	1399.6	1223.5	128.07	1.7962	1.959
	106.00	1400.7	1224.6	128.09	1.7925	1.962
	106.50	1401.5	1225.4	128.16	1.7887	1.964
	107.00	1402.4	1226.4	128.08	1.7850	1.967
	107.50	1403.2	1227.1	128.10	1.7814	1.969
	108.00	1404.1	1228.0	128.11	1.7778	1.972
	108.50	1404.9	1228.8	128.11	1.7742	1.974
	109.00	1405.8	1229.7	128.11	1.7706	1.976
	109.50	1406.6	1230.5	128.11	1.7671	1.979
	110.00	1407.4	1231.3	128.12	1.7636	1.981
	110.50	1408.2	1232.1	128.13	1.7602	1.983
	111.00	1409.1	1233.1	128.13	1.7568	1.986
	111.50	1410.0	1233.9	128.14	1.7534	1.988
	112.00	1410.9	1234.8	128.14	1.7500	1.991
	112.50	1411.7	1235.7	128.15	1.7467	1.993
	113.00	1412.6	1236.5	128.16	1.7434	1.995
	113.50	1413.3	1237.3	128.16	1.7401	1.998
	114.00	1414.3	1238.2	128.14	1.7368	2.000
	114.50	1414.9	1238.9	128.16	1.7336	2.002
	115.00	1415.8	1239.7	128.17	1.7304	2.004
	115.50	1416.5	1240.5	128.17	1.7273	2.007
	116.00	1417.4	1241.4	128.15	1.7241	2.009
	116.50	1418.2	1242.1	128.18	1.7210	2.011
	117.00	1418.9	1242.8	128.19	1.7179	2.013
	117.50	1419.7	1243.6	128.19	1.7149	2.016
***** End Shut-in 2	118.00	1420.4	1244.3	128.20	1.7119	2.017
***** Final Hydro.	504.50	2296.8	0.0	128.23		

TEST HISTORY

TK#10028 #1-10 Allen-Trust DST#1 Zinke/Trumbo

Flag Points

t(Min.)	P(PSig)
A: 0.00	2721.69
B: 0.00	345.10
C: 25.50	79.39
D: 64.00	1497.94
E: 0.00	118.75
F: 58.50	176.07
G: 118.00	1420.39
Q: 0.00	2296.76

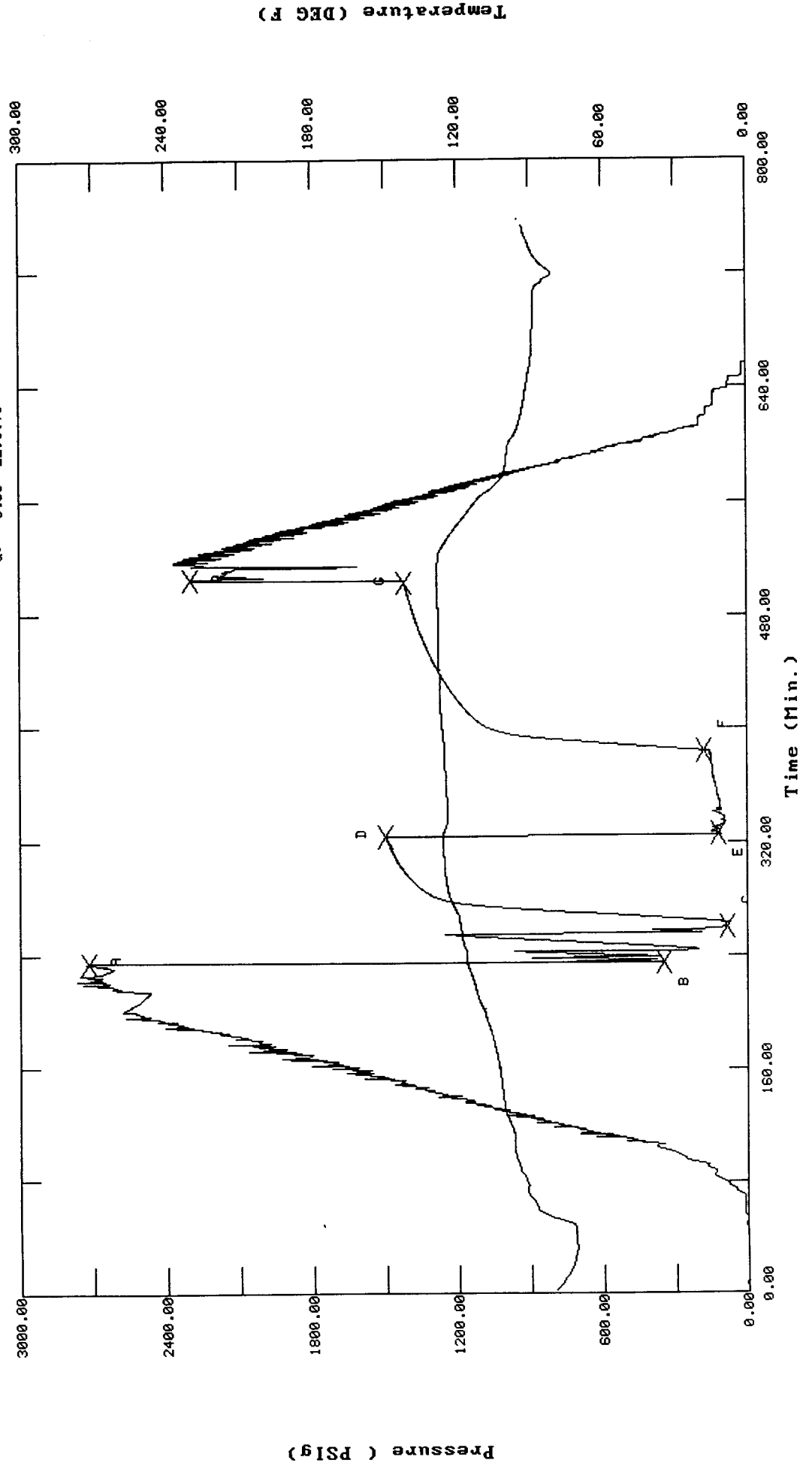
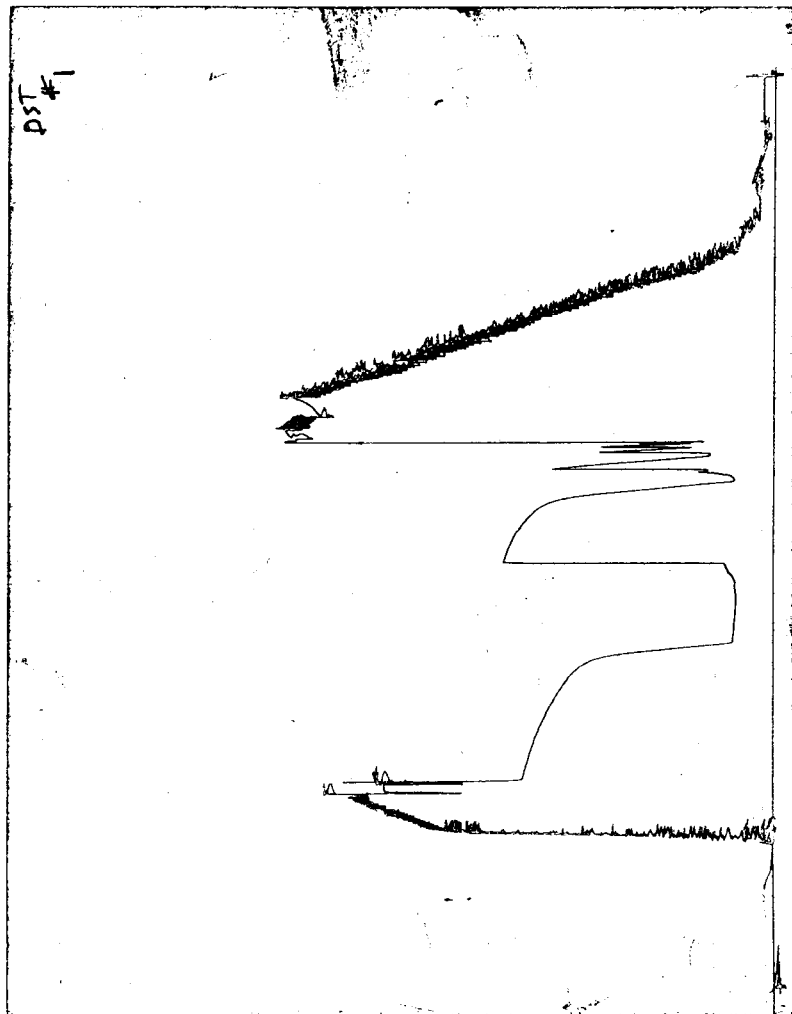


CHART PAGE



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

TRILOBITE TESTING

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

GAS VOLUME REPORT

Zinke & Trumbo
OPERATOR

#1-10 Allen "Trust"

本

DST NO

Manson Sound DST NO.

[illegible]

Remarks:

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. #10028 Date 7/14/97
Company Name Zinke & Trumbo
Lease #1-10 Allen "Trust" Test No. #1
County Seward Sec. 10 Twp. 31s Rng. 33w

SAMPLER RECOVERY

Gas 900 ML
Oil 2600 ML
Mud 500 ML
Water no water ML
Other _____ ML
Pressure 200 PSI
Total 4000 ML

PIT MUD ANALYSIS

Chlorides 3200 ppm.
Resistivity .2 ohms @ 70° F
Viscosity 52
Mud Weight 9.0
Filtrate 9.6
Other 10* LCM

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
Chlorides no water ppm.
Gravity 40 corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
Chlorides no ppm.

MIDDLE
Resistivity water ohms @ _____ F
Chlorides _____ ppm.

BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

TRILOBITE TESTING L.L.C.

OPERATOR : Zinke & Trumbo
WELL NAME: #1-10 Allen"Trust"
LOCATION : Sec.10 Twp.31s Rge.33w
INTERVAL : 5544.00 To 5583.00 ft

DATE 7/15/97
KB 2910.00 ft TICKET NO: 10029 DST #2
GR 2906.00 ft FORMATION: Chester "sand"
TD 5599.00 ft TEST TYPE: CONV/STRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13849	13849	2350	10991		PF Fr. 1826 to 1856 hr
SI 60 Range(Psi)	4375.0	4375.0	4995.0	4200.0	0.0	IS Fr. 1856 to 1956 hr
SF 60 Clock(hrs)	12 hr	12 hr	Elec	12hr.		SF Fr. 2005 to 2105 hr
FS 120 Depth(ft)	5553.0	5553.0	5563.0	5596.0	0.0	FS Fr. 2105 to 2305 hr

	Field	1	2	3	4	
A. Init Hydro	2804.0	2783.0	2778.0	0.0	0.0	T STARTED 1536 hr
B. First Flow	133.0	125.0	70.0	0.0	0.0	T ON BOTM 1820 hr
B1. Final Flow	144.0	182.0	85.0	0.0	0.0	T OPEN 1826 hr
C. In Shut-in	190.0	214.0	240.0	0.0	0.0	T PULLED 2305 hr
D. Init Flow	95.0	118.0	43.0	0.0	0.0	T OUT 0135 hr
E. Final Flow	67.0	29.0	30.0	0.0	0.0	
F. Fl Shut-in	233.0	196.0	241.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2533.0	2421.0	2468.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	I	I	O	S		Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 78000.00 lbs
						Initial Str Wt 68000.00 lbs
						Unseated Str Wt 68000.00 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 243.00 ft
						D.P. Length 5291.00 ft

RECOVERY

Tot Fluid 20.00 ft of 20.00 ft in DC and 0.00 ft in DP
20.00 ft of Drilling Mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
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 blow, died in 5 mins

Initial Shut In:
No blow back

Final Flow:
No blow, Flush tool, No blow.

Final Shut In;
No blow back.

SAMPLES:
SENT TO:

Test Successful: Y

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	48.00 S/L
W.L.	8.80 in3
F.C.	2.32 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	130.00 F
Hole Condition	fair
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	4
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased	
Tester	Darren Amerine
Co. Rep.	Wesley Hensen
Contr.	Val Energy
Rig #	1
Unit #	n
Pump T.	n

*** TOOL DIAGRAM *** CONV/STRADDLE

WELL NAME: #1-10 Allen"Trust"

LOCATION : Sec.10 Twp.31s Rge.33w

TICKET No. 10029 D.S.T. No. 2 DATE 7/15/97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 30

INTERVAL TOOL 16

BOTTOM PACKERS AND ANCHOR 39

TOTAL TOOL 85

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 85

D.C. ABOVE TOOLS.Stands4 Single Total 243

D.P. ABOVE TOOLS.Stands Single 1 Total 5291

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5619

TOTAL DEPTH 5599

TOTAL DRILL PIPE ABOVE K.B. 20

REMARKS:

[Fluid sampler data]

Sampler recovery. Pit mud analysis.
Gas-----Ml. Chlorides-----5500---ppm.
Oil-----Ml. Resistivity--.9-ohms@-88`F
Mud-----Ml. Viscosity-----48----
Water-----Ml. Mud Weight-----9.0----
Other-----Ml. Filtrate-----8.8----
Pressure--150--Psi. LCM-----7#-----
Total-----Ml.

[Sampler Analysis]

Resistivity-----ohms@-----degrees*F
Chlorides-----no water-----ppm.
Gravity-----Corrected@60*F

P.O. SUB	
C.O. SUB	5515'
S.I. TOOL	5520'
sampler@	5523'
HMV	5528'
JARS	5533'
SAFETY JOINT	5535'
PACKER	5539'
PACKER	5544'
DEPTH	
STUBB 1'stubb to	5545'
ANCHOR 15'of perfs.to	5560'
Ak-1rec.at	5553'
Alpine rec.@5563	
19'of perfs.	5579'
T.C. 4'to	5583
DEPTH	
PACKER 5583	5583
5588	
1'stubb to	5589
8'perfs to	5597
ak-1 rec.@ 5596	
BULLNOSE 2' bullnose to	5599
T.D.	

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10029 #1-10 Allen "Trust" DST#2 Zinke & Trumbo

DATE: 07/15/97 TIME: 15:37:30

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	160.50	2778.3	0.0	118.83		
***** Start Flow 1	0.00	70.0	0.0	118.84		
	0.50	63.7	-6.3	118.87		
	1.00	80.3	10.3	118.88		
	1.50	89.3	19.3	118.89		
	2.00	81.5	11.5	118.91		
	2.50	91.1	21.1	118.91		
	3.00	99.4	29.4	118.92		
	3.50	106.2	36.3	118.94		
	4.00	78.5	8.5	118.96		
	4.50	83.9	13.9	118.99		
	5.00	88.8	18.8	119.02		
	5.50	93.4	23.4	119.05		
	6.00	97.9	27.9	119.09		
	6.50	102.0	32.1	119.13		
	7.00	106.1	36.1	119.17		
	7.50	109.9	39.9	119.20		
	8.00	113.7	43.7	119.25		
	8.50	114.3	44.3	119.30		
	9.00	118.0	48.0	119.35		
	9.50	121.6	51.6	119.40		
	10.00	124.1	54.1	119.44		
	10.50	127.6	57.6	119.50		
	11.00	131.2	61.2	119.54		
	11.50	134.4	64.4	119.59		
	12.00	137.8	67.8	119.65		
	12.50	141.1	71.1	119.69		
	13.00	144.5	74.5	119.74		
	13.50	147.9	77.9	119.79		
	14.00	151.3	81.3	119.84		
	14.50	154.7	84.7	119.89		
	15.00	152.7	82.7	119.94		
	15.50	156.3	86.4	119.99		
	16.00	159.8	89.8	120.04		
	16.50	163.0	93.0	120.08		
	17.00	166.3	96.3	120.13		
	17.50	169.6	99.6	120.17		
	18.00	172.8	102.8	120.22		
	18.50	176.2	106.2	120.27		
	19.00	179.3	109.3	120.32		
	19.50	182.5	112.5	120.36		
	20.00	185.8	115.8	120.41		
	20.50	189.2	119.2	120.45		
	21.00	192.4	122.5	120.50		
	21.50	195.6	125.6	120.54		
	22.00	199.0	129.0	120.59		
	22.50	202.3	132.3	120.63		
	23.00	205.6	135.6	120.66		
	23.50	209.1	139.1	120.71		
	24.00	212.4	142.4	120.75		
	24.50	204.4	134.5	120.79		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10029 #1-10 Allen "Trust" DST#2 Zinke & Trumbo

DATE: 07/15/97

TIME: 15:37:30

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	25.00	207.8	137.8	120.83		
	25.50	211.2	141.2	120.87		
	26.00	214.4	144.4	120.90		
	26.50	86.6	16.6	120.95		
	27.00	90.1	20.1	120.98		
	27.50	92.7	22.7	121.02		
	28.00	95.0	25.0	121.05		
	28.50	97.1	27.1	121.08		
	29.00	99.0	29.0	121.12		
	29.50	82.9	12.9	121.15		
	30.00	85.3	15.3	121.18		
***** End Flow 1	30.50	85.3	15.4	121.22		
***** Start Shutin 1	0.00	85.3	0.0	121.22	0.0000	0.007
	0.50	86.8	1.4	121.25	62.0000	0.008
	1.00	88.1	2.8	121.29	31.5000	0.008
	1.50	89.6	4.3	121.32	21.3333	0.008
	2.00	91.0	5.6	121.34	16.2500	0.008
	2.50	92.1	6.8	121.38	13.2000	0.008
	3.00	93.4	8.1	121.41	11.1667	0.009
	3.50	94.7	9.3	121.44	9.7143	0.009
	4.00	95.8	10.5	121.47	8.6250	0.009
	4.50	97.1	11.7	121.50	7.7778	0.009
	5.00	98.1	12.8	121.54	7.1000	0.01
	5.50	99.4	14.0	121.57	6.5455	0.01
	6.00	100.5	15.1	121.60	6.0833	0.010
	6.50	101.5	16.2	121.63	5.6923	0.010
	7.00	102.7	17.4	121.67	5.3571	0.011
	7.50	103.8	18.5	121.70	5.0667	0.011
	8.00	104.8	19.5	121.73	4.8125	0.011
	8.50	106.1	20.7	121.75	4.5882	0.011
	9.00	107.1	21.7	121.78	4.3889	0.011
	9.50	108.0	22.7	121.81	4.2105	0.012
	10.00	109.1	23.8	121.85	4.0500	0.012
	10.50	110.1	24.8	121.87	3.9048	0.012
	11.00	111.3	25.9	121.90	3.7727	0.012
	11.50	112.3	26.9	121.93	3.6522	0.013
	12.00	113.3	27.9	121.97	3.5417	0.013
	12.50	114.3	29.0	121.99	3.4400	0.013
	13.00	115.4	30.0	122.02	3.3462	0.013
	13.50	116.5	31.1	122.05	3.2593	0.014
	14.00	117.5	32.1	122.07	3.1786	0.014
	14.50	118.7	33.3	122.11	3.1034	0.014
	15.00	119.7	34.3	122.13	3.0333	0.014
	15.50	120.8	35.5	122.16	2.9677	0.015
	16.00	121.9	36.6	122.18	2.9062	0.015
	16.50	123.1	37.8	122.21	2.8485	0.015
	17.00	124.0	38.7	122.24	2.7941	0.015
	17.50	125.2	39.9	122.28	2.7429	0.016
	18.00	126.3	41.0	122.30	2.6944	0.016
	18.50	127.4	42.0	122.31	2.6486	0.016
	19.00	128.6	43.2	122.35	2.6053	0.017

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10029 #1-10 Allen "Trust" DST#2 Zinke & Trumbo

DATE: 07/15/97

TIME: 15:37:30

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
19.50	129.6	44.2	122.38	2.5641	0.017
20.00	130.7	45.3	122.40	2.5250	0.017
20.50	131.9	46.6	122.42	2.4878	0.017
21.00	133.0	47.7	122.45	2.4524	0.018
21.50	134.2	48.8	122.48	2.4186	0.018
22.00	135.3	49.9	122.50	2.3864	0.018
22.50	136.5	51.1	122.53	2.3556	0.019
23.00	137.6	52.3	122.56	2.3261	0.019
23.50	138.7	53.4	122.57	2.2979	0.019
24.00	140.0	54.6	122.60	2.2708	0.020
24.50	141.2	55.9	122.62	2.2449	0.020
25.00	142.3	57.0	122.65	2.2200	0.020
25.50	143.6	58.2	122.67	2.1961	0.021
26.00	144.7	59.3	122.70	2.1731	0.021
26.50	146.0	60.7	122.72	2.1509	0.021
27.00	147.3	61.9	122.75	2.1296	0.022
27.50	148.5	63.2	122.77	2.1091	0.022
28.00	149.7	64.4	122.79	2.0893	0.022
28.50	151.1	65.8	122.82	2.0702	0.023
29.00	152.3	67.0	122.84	2.0517	0.023
29.50	153.6	68.2	122.86	2.0339	0.024
30.00	154.9	69.6	122.89	2.0167	0.024
30.50	156.2	70.8	122.91	2.0000	0.024
31.00	157.4	72.1	122.94	1.9839	0.025
31.50	158.7	73.4	122.96	1.9683	0.025
32.00	160.0	74.7	122.98	1.9531	0.026
32.50	161.3	76.0	123.01	1.9385	0.026
33.00	162.7	77.4	123.03	1.9242	0.026
33.50	164.1	78.7	123.05	1.9104	0.027
34.00	165.4	80.1	123.08	1.8971	0.027
34.50	166.8	81.4	123.09	1.8841	0.028
35.00	168.1	82.8	123.12	1.8714	0.028
35.50	169.5	84.2	123.14	1.8592	0.029
36.00	170.8	85.4	123.16	1.8472	0.029
36.50	172.3	86.9	123.18	1.8356	0.030
37.00	173.6	88.3	123.20	1.8243	0.030
37.50	175.1	89.8	123.22	1.8133	0.031
38.00	176.5	91.1	123.25	1.8026	0.031
38.50	177.8	92.5	123.27	1.7922	0.032
39.00	179.4	94.1	123.30	1.7821	0.032
39.50	180.9	95.5	123.31	1.7722	0.033
40.00	182.3	96.9	123.34	1.7625	0.033
40.50	183.7	98.4	123.36	1.7531	0.034
41.00	185.1	99.8	123.37	1.7439	0.034
41.50	186.6	101.3	123.40	1.7349	0.035
42.00	188.2	102.8	123.41	1.7262	0.035
42.50	189.6	104.2	123.44	1.7176	0.036
43.00	191.0	105.7	123.46	1.7093	0.036
43.50	192.7	107.3	123.49	1.7011	0.037
44.00	194.1	108.8	123.50	1.6932	0.038
44.50	195.7	110.4	123.52	1.6854	0.038

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10029 #1-10 Allen "Trust" DST#2 Zinke & Trumbo

DATE: 07/15/97

TIME: 15:37:30

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dt)/dt	P^2/10^6
	45.00	197.1	111.8	123.55	1.6778	0.039
	45.50	198.7	113.4	123.57	1.6703	0.039
	46.00	200.4	115.1	123.59	1.6630	0.040
	46.50	202.1	116.7	123.61	1.6559	0.041
	47.00	203.5	118.2	123.63	1.6489	0.041
	47.50	205.1	119.8	123.64	1.6421	0.042
	48.00	206.7	121.4	123.67	1.6354	0.043
	48.50	208.3	123.0	123.68	1.6289	0.043
	49.00	210.0	124.6	123.70	1.6224	0.044
	49.50	211.5	126.1	123.72	1.6162	0.045
	50.00	213.3	128.0	123.75	1.6100	0.046
	50.50	214.9	129.6	123.76	1.6040	0.046
	51.00	216.7	131.3	123.78	1.5980	0.047
	51.50	218.4	133.0	123.81	1.5922	0.048
	52.00	220.1	134.7	123.82	1.5865	0.048
	52.50	221.6	136.3	123.84	1.5810	0.049
	53.00	223.3	138.0	123.86	1.5755	0.050
	53.50	225.0	139.7	123.88	1.5701	0.051
	54.00	226.7	141.3	123.90	1.5648	0.051
	54.50	228.4	143.1	123.93	1.5596	0.052
	55.00	230.1	144.8	123.94	1.5545	0.053
	55.50	231.7	146.4	123.95	1.5495	0.054
	56.00	233.4	148.0	123.98	1.5446	0.054
	56.50	235.2	149.8	124.00	1.5398	0.055
	57.00	236.9	151.6	124.01	1.5351	0.056
	57.50	238.6	153.3	124.04	1.5304	0.057
	58.00	240.3	154.9	124.06	1.5259	0.058
	58.50	242.1	156.8	124.07	1.5214	0.059
	59.00	243.9	158.5	124.08	1.5169	0.059
***** End Shut-in 1	59.50	240.3	154.9	124.11	1.5126	0.058
***** Start Flow 2	0.00	42.9	0.0	124.11		
	0.50	44.2	1.3	124.13		
	1.00	45.8	2.9	124.15		
	1.50	46.6	3.7	124.17		
	2.00	47.3	4.4	124.18		
	2.50	48.1	5.2	124.19		
	3.00	36.8	-6.0	124.20		
	3.50	26.8	-16.0	124.22		
	4.00	28.1	-14.8	124.23		
	4.50	28.7	-14.2	124.25		
	5.00	28.6	-14.3	124.26		
	5.50	26.9	-15.9	124.28		
	6.00	27.6	-15.3	124.29		
	6.50	28.4	-14.5	124.31		
	7.00	28.9	-13.9	124.33		
	7.50	29.5	-13.4	124.35		
	8.00	26.8	-16.1	124.36		
	8.50	27.6	-15.3	124.37		
	9.00	27.9	-14.9	124.39		
	9.50	28.6	-14.3	124.41		
	10.00	29.2	-13.7	124.42		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10029 #1-10 Allen "Trust" DST#2 Zinke & Trumbo

DATE: 07/15/97 TIME: 15:37:30

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
10.50	26.6	-16.3	124.44		
11.00	27.4	-15.4	124.46		
11.50	27.9	-14.9	124.47		
12.00	28.6	-14.3	124.49		
12.50	29.3	-13.6	124.51		
13.00	29.4	-13.5	124.52		
13.50	27.0	-15.9	124.55		
14.00	27.9	-15.0	124.57		
14.50	28.5	-14.4	124.58		
15.00	28.7	-14.2	124.59		
15.50	26.2	-16.7	124.61		
16.00	27.0	-15.9	124.64		
16.50	27.6	-15.3	124.64		
17.00	28.2	-14.7	124.67		
17.50	28.6	-14.3	124.68		
18.00	28.9	-13.9	124.70		
18.50	26.9	-15.9	124.72		
19.00	27.6	-15.3	124.73		
19.50	28.2	-14.7	124.75		
20.00	28.7	-14.2	124.77		
20.50	29.1	-13.8	124.78		
21.00	29.9	-13.0	124.81		
21.50	26.7	-16.2	124.82		
22.00	27.5	-15.4	124.83		
22.50	28.4	-14.5	124.86		
23.00	28.8	-14.1	124.88		
23.50	29.4	-13.5	124.89		
24.00	26.6	-16.3	124.91		
24.50	27.5	-15.4	124.92		
25.00	28.1	-14.8	124.93		
25.50	28.6	-14.3	124.95		
26.00	29.4	-13.5	124.96		
26.50	27.7	-15.2	124.99		
27.00	27.3	-15.6	124.99		
27.50	28.0	-14.9	125.01		
28.00	28.7	-14.2	125.03		
28.50	29.1	-13.8	125.05		
29.00	29.8	-13.1	125.06		
29.50	26.8	-16.0	125.08		
30.00	28.1	-14.8	125.09		
30.50	28.9	-14.0	125.11		
31.00	29.5	-13.3	125.12		
31.50	29.9	-13.0	125.14		
32.00	28.0	-14.9	125.15		
32.50	28.8	-14.1	125.17		
33.00	26.8	-16.1	125.18		
33.50	27.7	-15.2	125.20		
34.00	28.4	-14.4	125.22		
34.50	28.9	-13.9	125.23		
35.00	29.5	-13.3	125.24		
35.50	27.8	-15.1	125.26		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10029 #1-10 Allen "Trust" DST#2 Zinke & Trumbo

DATE: 07/15/97

TIME: 15:37:30

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	36.00	28.5	-14.4	125.28		
	36.50	29.0	-13.8	125.29		
	37.00	29.7	-13.2	125.30		
	37.50	30.1	-12.8	125.32		
	38.00	28.1	-14.8	125.34		
	38.50	28.9	-13.9	125.34		
	39.00	29.5	-13.4	125.36		
	39.50	30.0	-12.8	125.38		
	40.00	28.1	-14.8	125.39		
	40.50	28.9	-14.0	125.41		
	41.00	29.4	-13.5	125.42		
	41.50	27.5	-15.4	125.43		
	42.00	28.5	-14.4	125.45		
	42.50	29.0	-13.8	125.46		
	43.00	29.7	-13.2	125.47		
	43.50	27.7	-15.2	125.49		
	44.00	28.7	-14.2	125.51		
	44.50	29.2	-13.7	125.52		
	45.00	28.1	-14.8	125.53		
	45.50	29.0	-13.8	125.55		
	46.00	29.5	-13.4	125.56		
	46.50	28.1	-14.8	125.58		
	47.00	28.9	-14.0	125.59		
	47.50	29.4	-13.5	125.60		
	48.00	28.8	-14.1	125.62		
	48.50	29.5	-13.3	125.64		
	49.00	28.0	-14.9	125.64		
	49.50	29.1	-13.8	125.66		
	50.00	29.7	-13.2	125.67		
	50.50	30.5	-12.3	125.70		
	51.00	28.3	-14.6	125.70		
	51.50	28.4	-14.4	125.71		
	52.00	29.2	-13.7	125.73		
	52.50	29.7	-13.2	125.74		
	53.00	28.9	-14.0	125.76		
	53.50	29.6	-13.3	125.77		
	54.00	30.3	-12.6	125.79		
	54.50	28.3	-14.6	125.81		
	55.00	29.3	-13.6	125.82		
	55.50	30.0	-12.8	125.83		
	56.00	28.0	-14.9	125.85		
	56.50	28.4	-14.5	125.86		
	57.00	29.2	-13.7	125.87		
	57.50	29.8	-13.1	125.89		
	58.00	29.4	-13.5	125.91		
	58.50	30.0	-12.9	125.91		
	59.00	29.0	-13.8	125.92		
***** End Flow 2	59.50	29.8	-13.1	125.94		
***** Start Shutin 2	0.00	29.8	0.0	125.94	0.0000	0.001
	0.50	30.4	0.6	125.96	181.0000	0.001
	1.00	28.7	-1.1	125.97	91.0000	0.001

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10029 #1-10 Allen "Trust" DST#2 Zinke & Trumbo

DATE: 07/15/97

TIME: 15:37:30

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
1.50	29.7	-0.1	125.99	61.0000	0.001
2.00	30.4	0.6	126.00	46.0000	0.001
2.50	28.1	-1.7	126.01	37.0000	0.001
3.00	29.2	-0.6	126.02	31.0000	0.001
3.50	29.5	-0.3	126.04	26.7143	0.001
4.00	29.2	-0.6	126.05	23.5000	0.001
4.50	30.0	0.2	126.06	21.0000	0.001
5.00	28.4	-1.3	126.08	19.0000	0.001
5.50	28.9	-0.9	126.09	17.3636	0.001
6.00	29.7	-0.1	126.11	16.0000	0.001
6.50	28.9	-0.8	126.12	14.8462	0.001
7.00	29.8	0.0	126.14	13.8571	0.001
7.50	30.4	0.6	126.15	13.0000	0.001
8.00	31.1	1.3	126.16	12.2500	0.001
8.50	31.8	2.0	126.18	11.5882	0.001
9.00	32.6	2.8	126.19	11.0000	0.001
9.50	33.2	3.4	126.20	10.4737	0.001
10.00	33.9	4.1	126.22	10.0000	0.001
10.50	34.7	4.9	126.24	9.5714	0.001
11.00	35.5	5.7	126.24	9.1818	0.001
11.50	36.2	6.5	126.26	8.8261	0.001
12.00	36.9	7.1	126.27	8.5000	0.001
12.50	37.6	7.8	126.29	8.2000	0.001
13.00	38.3	8.6	126.30	7.9231	0.001
13.50	39.1	9.3	126.32	7.6667	0.002
14.00	39.8	10	126.32	7.4286	0.002
14.50	40.5	10.7	126.34	7.2069	0.002
15.00	41.2	11.4	126.35	7.0000	0.002
15.50	42.0	12.2	126.37	6.8065	0.002
16.00	42.6	12.8	126.38	6.6250	0.002
16.50	43.5	13.7	126.40	6.4545	0.002
17.00	44.1	14.4	126.40	6.2941	0.002
17.50	44.9	15.1	126.42	6.1429	0.002
18.00	45.6	15.9	126.44	6.0000	0.002
18.50	46.4	16.6	126.45	5.8649	0.002
19.00	47.1	17.3	126.46	5.7368	0.002
19.50	47.7	18.0	126.47	5.6154	0.002
20.00	48.6	18.8	126.49	5.5000	0.002
20.50	49.3	19.5	126.50	5.3902	0.002
21.00	50.1	20.3	126.52	5.2857	0.003
21.50	50.7	20.9	126.53	5.1860	0.003
22.00	51.4	21.6	126.54	5.0909	0.003
22.50	52.1	22.3	126.56	5.0000	0.003
23.00	52.9	23.2	126.57	4.9130	0.003
23.50	53.7	23.9	126.58	4.8298	0.003
24.00	54.5	24.8	126.60	4.7500	0.003
24.50	55.1	25.3	126.61	4.6735	0.003
25.00	55.9	26.1	126.62	4.6000	0.003
25.50	56.6	26.9	126.64	4.5294	0.003
26.00	57.4	27.6	126.65	4.4615	0.003
26.50	58.2	28.4	126.66	4.3962	0.003

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10029 #1-10 Allen "Trust" DST#2 Zinke & Trumbo

DATE: 07/15/97

TIME: 15:37:30

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
27.00	58.9	29.1	126.67	4.3333	0.003
27.50	59.6	29.8	126.68	4.2727	0.004
28.00	60.4	30.6	126.70	4.2143	0.004
28.50	61.1	31.3	126.71	4.1579	0.004
29.00	61.9	32.1	126.73	4.1034	0.004
29.50	62.7	32.9	126.74	4.0508	0.004
30.00	63.4	33.7	126.75	4.0000	0.004
30.50	64.3	34.5	126.76	3.9508	0.004
31.00	65.1	35.3	126.78	3.9032	0.004
31.50	65.9	36.1	126.78	3.8571	0.004
32.00	66.6	36.8	126.79	3.8125	0.004
32.50	67.4	37.6	126.81	3.7692	0.005
33.00	68.1	38.4	126.83	3.7273	0.005
33.50	69.1	39.3	126.83	3.6866	0.005
34.00	69.7	39.9	126.85	3.6471	0.005
34.50	70.6	40.8	126.86	3.6087	0.005
35.00	71.3	41.5	126.87	3.5714	0.005
35.50	72.2	42.4	126.88	3.5352	0.005
36.00	72.9	43.1	126.90	3.5000	0.005
36.50	73.6	43.8	126.91	3.4658	0.005
37.00	74.5	44.7	126.92	3.4324	0.006
37.50	75.4	45.6	126.94	3.4000	0.006
38.00	76.0	46.2	126.94	3.3684	0.006
38.50	76.9	47.1	126.96	3.3377	0.006
39.00	77.6	47.8	126.97	3.3077	0.006
39.50	78.5	48.7	126.98	3.2785	0.006
40.00	79.3	49.5	126.99	3.2500	0.006
40.50	80.1	50.4	127.01	3.2222	0.006
41.00	80.7	50.9	127.01	3.1951	0.007
41.50	81.7	51.9	127.03	3.1687	0.007
42.00	82.5	52.7	127.04	3.1429	0.007
42.50	83.2	53.5	127.06	3.1176	0.007
43.00	84.2	54.4	127.06	3.0930	0.007
43.50	85.0	55.2	127.08	3.0690	0.007
44.00	85.8	56.0	127.08	3.0455	0.007
44.50	86.6	56.8	127.10	3.0225	0.008
45.00	87.4	57.7	127.11	3.0000	0.008
45.50	88.2	58.4	127.12	2.9780	0.008
46.00	89.0	59.2	127.14	2.9565	0.008
46.50	89.9	60.1	127.15	2.9355	0.008
47.00	90.8	61.0	127.16	2.9149	0.008
47.50	91.5	61.7	127.17	2.8947	0.008
48.00	92.3	62.5	127.18	2.8750	0.009
48.50	93.2	63.4	127.19	2.8557	0.009
49.00	94.1	64.3	127.21	2.8367	0.009
49.50	94.8	65.0	127.22	2.8182	0.009
50.00	95.7	65.9	127.22	2.8000	0.009
50.50	96.6	66.8	127.24	2.7822	0.009
51.00	97.3	67.6	127.25	2.7647	0.009
51.50	98.3	68.5	127.29	2.7476	0.01
52.00	99.0	69.2	127.27	2.7308	0.01

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10029 #1-10 Allen "Trust" DST#2 Zinke & Trumbo

DATE: 07/15/97

TIME: 15:37:30

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
52.50	100.0	70.2	127.28	2.7143	0.010
53.00	100.8	71.0	127.30	2.6981	0.010
53.50	101.6	71.8	127.30	2.6822	0.010
54.00	102.6	72.8	127.32	2.6667	0.011
54.50	103.3	73.5	127.33	2.6514	0.011
55.00	104.2	74.4	127.34	2.6364	0.011
55.50	105.1	75.3	127.35	2.6216	0.011
56.00	106.0	76.2	127.37	2.6071	0.011
56.50	106.9	77.1	127.38	2.5929	0.011
57.00	107.8	78.0	127.38	2.5789	0.012
57.50	108.5	78.7	127.40	2.5652	0.012
58.00	109.3	79.6	127.41	2.5517	0.012
58.50	110.3	80.5	127.42	2.5385	0.012
59.00	111.0	81.2	127.43	2.5254	0.012
59.50	112.0	82.2	127.44	2.5126	0.013
60.00	112.8	83.0	127.44	2.5000	0.013
60.50	113.7	83.9	127.46	2.4876	0.013
61.00	114.6	84.8	127.48	2.4754	0.013
61.50	115.5	85.7	127.48	2.4634	0.013
62.00	116.2	86.4	127.49	2.4516	0.014
62.50	117.2	87.5	127.51	2.4400	0.014
63.00	118.1	88.3	127.52	2.4286	0.014
63.50	118.9	89.1	127.53	2.4173	0.014
64.00	119.9	90.1	127.54	2.4062	0.014
64.50	120.7	90.9	127.55	2.3953	0.015
65.00	121.6	91.8	127.56	2.3846	0.015
65.50	122.5	92.7	127.58	2.3740	0.015
66.00	123.4	93.6	127.59	2.3636	0.015
66.50	124.3	94.5	127.59	2.3534	0.015
67.00	125.1	95.3	127.60	2.3433	0.016
67.50	126.0	96.2	127.62	2.3333	0.016
68.00	127.1	97.3	127.63	2.3235	0.016
68.50	128.0	98.2	127.64	2.3139	0.016
69.00	128.7	99.0	127.64	2.3043	0.017
69.50	129.7	100	127.66	2.2950	0.017
70.00	130.6	100.8	127.67	2.2857	0.017
70.50	131.4	101.6	127.68	2.2766	0.017
71.00	132.3	102.6	127.69	2.2676	0.018
71.50	133.2	103.4	127.70	2.2587	0.018
72.00	134.2	104.4	127.71	2.2500	0.018
72.50	135.0	105.2	127.72	2.2414	0.018
73.00	136.0	106.2	127.73	2.2329	0.018
73.50	136.8	107.0	127.75	2.2245	0.019
74.00	137.8	108.0	127.76	2.2162	0.019
74.50	138.8	109.0	127.77	2.2081	0.019
75.00	139.6	109.8	127.78	2.2000	0.019
75.50	140.6	110.8	127.78	2.1921	0.020
76.00	141.4	111.6	127.80	2.1842	0.020
76.50	142.2	112.5	127.81	2.1765	0.020
77.00	143.3	113.5	127.81	2.1688	0.021
77.50	144.2	114.4	127.83	2.1613	0.021

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10029 #1-10 Allen "Trust" DST#2 Zinke & Trumbo

DATE: 07/15/97

TIME: 15:37:30

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
78.00	145.1	115.3	127.83	2.1538	0.021
78.50	146.0	116.2	127.85	2.1465	.0.021
79.00	146.9	117.2	127.86	2.1392	0.022
79.50	147.8	118.0	127.87	2.1321	0.022
80.00	148.8	119.0	127.88	2.1250	0.022
80.50	149.6	119.8	127.89	2.1180	0.022
81.00	150.6	120.9	127.90	2.1111	0.023
81.50	151.5	121.7	127.91	2.1043	0.023
82.00	152.4	122.6	127.91	2.0976	0.023
82.50	153.5	123.7	127.93	2.0909	0.024
83.00	154.3	124.5	127.94	2.0843	0.024
83.50	155.2	125.4	127.94	2.0778	0.024
84.00	156.2	126.4	127.96	2.0714	0.024
84.50	157.1	127.3	127.98	2.0651	0.025
85.00	158.1	128.3	127.97	2.0588	0.025
85.50	159.0	129.2	128.00	2.0526	0.025
86.00	159.9	130.1	128.01	2.0465	0.026
86.50	161.0	131.2	128.01	2.0405	0.026
87.00	161.9	132.1	128.03	2.0345	0.026
87.50	162.8	133.0	128.04	2.0286	0.027
88.00	163.7	133.9	128.04	2.0227	0.027
88.50	164.6	134.8	128.05	2.0169	0.027
89.00	165.6	135.8	128.06	2.0112	0.027
89.50	166.6	136.8	128.07	2.0056	0.028
90.00	167.5	137.7	128.08	2.0000	0.028
90.50	168.4	138.6	128.09	1.9945	0.028
91.00	169.3	139.5	128.11	1.9890	0.029
91.50	170.4	140.7	128.11	1.9836	0.029
92.00	171.3	141.5	128.13	1.9783	0.029
92.50	172.2	142.4	128.14	1.9730	0.030
93.00	173.1	143.3	128.14	1.9677	0.030
93.50	174.1	144.4	128.16	1.9626	0.030
94.00	175.1	145.4	128.16	1.9574	0.031
94.50	176.1	146.3	128.18	1.9524	0.031
95.00	177.1	147.3	128.19	1.9474	0.031
95.50	178.1	148.3	128.19	1.9424	0.032
96.00	178.9	149.1	128.21	1.9375	0.032
96.50	179.9	150.1	128.22	1.9326	0.032
97.00	180.9	151.1	128.22	1.9278	0.033
97.50	181.9	152.1	128.24	1.9231	0.033
98.00	182.8	153.0	128.24	1.9184	0.033
98.50	183.7	153.9	128.25	1.9137	0.034
99.00	184.8	155.0	128.26	1.9091	0.034
99.50	185.8	156.0	128.27	1.9045	0.035
100.00	186.6	156.9	128.28	1.9000	0.035
100.50	187.7	157.9	128.29	1.8955	0.035
101.00	188.8	159.0	128.30	1.8911	0.036
101.50	189.7	159.9	128.31	1.8867	0.036
102.00	190.6	160.8	128.32	1.8824	0.036
102.50	191.5	161.7	128.33	1.8780	0.037
103.00	192.5	162.7	128.34	1.8738	0.037

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10029 #1-10 Allen "Trust" DST#2 Zinke & Trumbo

DATE: 07/15/97

TIME: 15:37:30

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
103.50	193.5	163.7	128.35	1.8696	0.037
104.00	194.4	164.6	128.35	1.8654	0.038
104.50	195.6	165.8	128.37	1.8612	0.038
105.00	196.5	166.7	128.38	1.8571	0.039
105.50	197.5	167.7	128.38	1.8531	0.039
106.00	198.5	168.7	128.39	1.8491	0.039
106.50	199.3	169.5	128.41	1.8451	0.040
107.00	200.4	170.6	128.41	1.8411	0.040
107.50	201.4	171.6	128.43	1.8372	0.041
108.00	202.3	172.6	128.43	1.8333	0.041
108.50	203.3	173.6	128.44	1.8295	0.041
109.00	204.3	174.5	128.45	1.8257	0.042
109.50	205.3	175.5	128.46	1.8219	0.042
110.00	206.3	176.5	128.47	1.8182	0.043
110.50	207.4	177.6	128.47	1.8145	0.043
111.00	208.3	178.5	128.49	1.8108	0.043
111.50	209.4	179.6	128.50	1.8072	0.044
112.00	210.3	180.5	128.50	1.8036	0.044
112.50	211.4	181.6	128.52	1.8000	0.045
113.00	212.4	182.6	128.52	1.7965	0.045
113.50	213.4	183.6	128.53	1.7930	0.046
114.00	214.3	184.6	128.55	1.7895	0.046
114.50	215.4	185.6	128.55	1.7860	0.046
115.00	216.3	186.5	128.56	1.7826	0.047
115.50	217.4	187.6	128.57	1.7792	0.047
116.00	218.4	188.6	128.57	1.7759	0.048
116.50	219.4	189.6	128.59	1.7725	0.048
117.00	220.4	190.6	128.60	1.7692	0.049
117.50	221.4	191.6	128.60	1.7660	0.049
118.00	222.4	192.6	128.62	1.7627	0.049
118.50	223.5	193.7	128.62	1.7595	0.050
119.00	224.4	194.6	128.65	1.7563	0.050
119.50	225.4	195.6	128.64	1.7531	0.051
120.00	226.5	196.7	128.66	1.7500	0.051
120.50	227.5	197.7	128.67	1.7469	0.052
121.00	228.4	198.7	128.67	1.7438	0.052
121.50	229.6	199.8	128.68	1.7407	0.053
122.00	230.5	200.8	128.69	1.7377	0.053
122.50	231.5	201.8	128.70	1.7347	0.054
123.00	232.6	202.8	128.71	1.7317	0.054
123.50	233.6	203.8	128.71	1.7287	0.055
124.00	234.6	204.8	128.73	1.7258	0.055
124.50	235.7	205.9	128.73	1.7229	0.056
125.00	236.7	206.9	128.74	1.7200	0.056
125.50	237.8	208.0	128.75	1.7171	0.057
126.00	238.7	208.9	128.76	1.7143	0.057
126.50	239.9	210.1	128.76	1.7115	0.058
127.00	240.8	211.0	128.77	1.7087	0.058
127.50	241.7	211.9	128.78	1.7059	0.058
128.00	241.5	211.7	128.79	1.7031	0.058

***** End Shut-in 2

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10029 #1-10 Allen "Trust" DST#2 Zinke & Trumbo

DATE: 07/15/97 TIME: 15:37:30

	Time	Pressure	delta P	Temp.	(T+dT)/dT	P^2/10^6
		PSIg	PSIg	DEG F		
***** Final Hydro.	439.50	2468.1	0.0	128.83		

TEST HISTORY

TK#10029 #1-10 Allen "Trust" DST#2 Zinke & Trumbo

Flag Points

t(Min.) P(PSig)

A: 0.00 2778.34
 B: 0.00 69.99
 C: 30.50 85.35
 D: 59.50 240.28
 E: 0.00 42.88
 F: 59.50 29.79
 G: 128.00 241.54
 Q: 0.00 2468.06

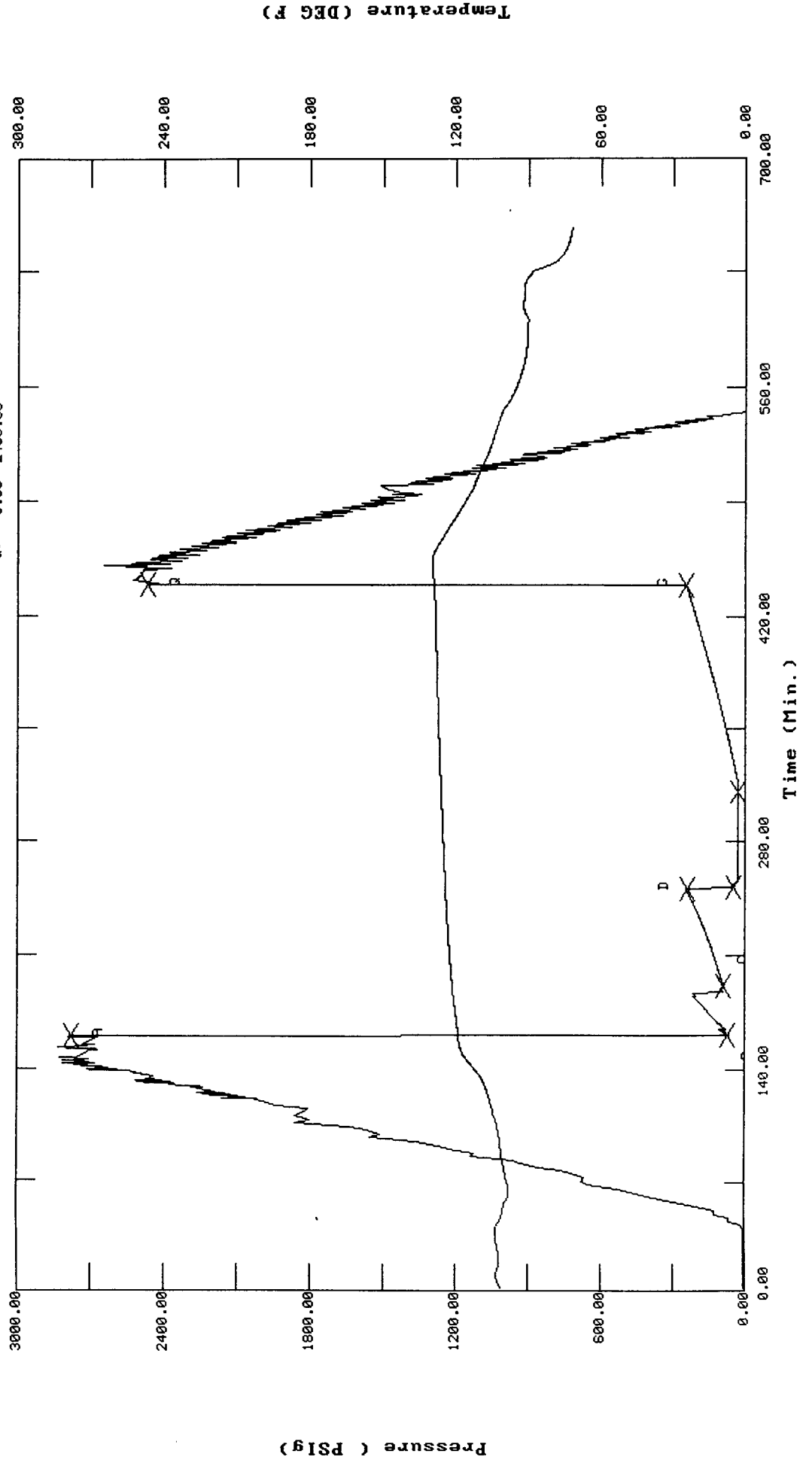
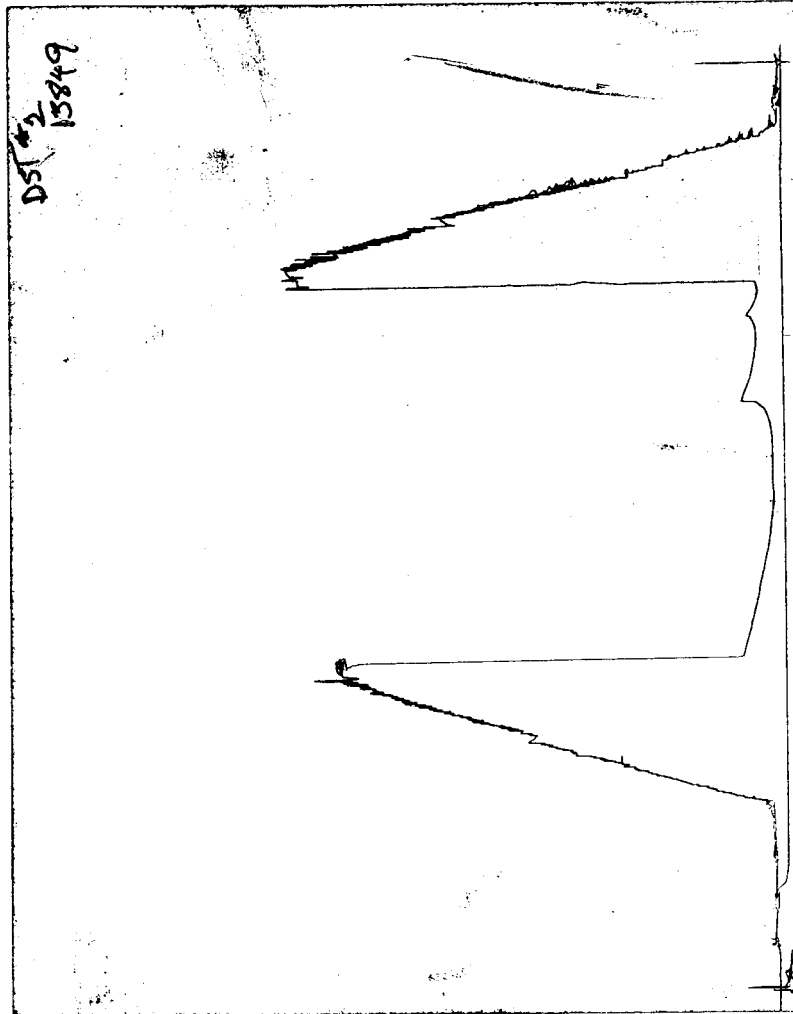
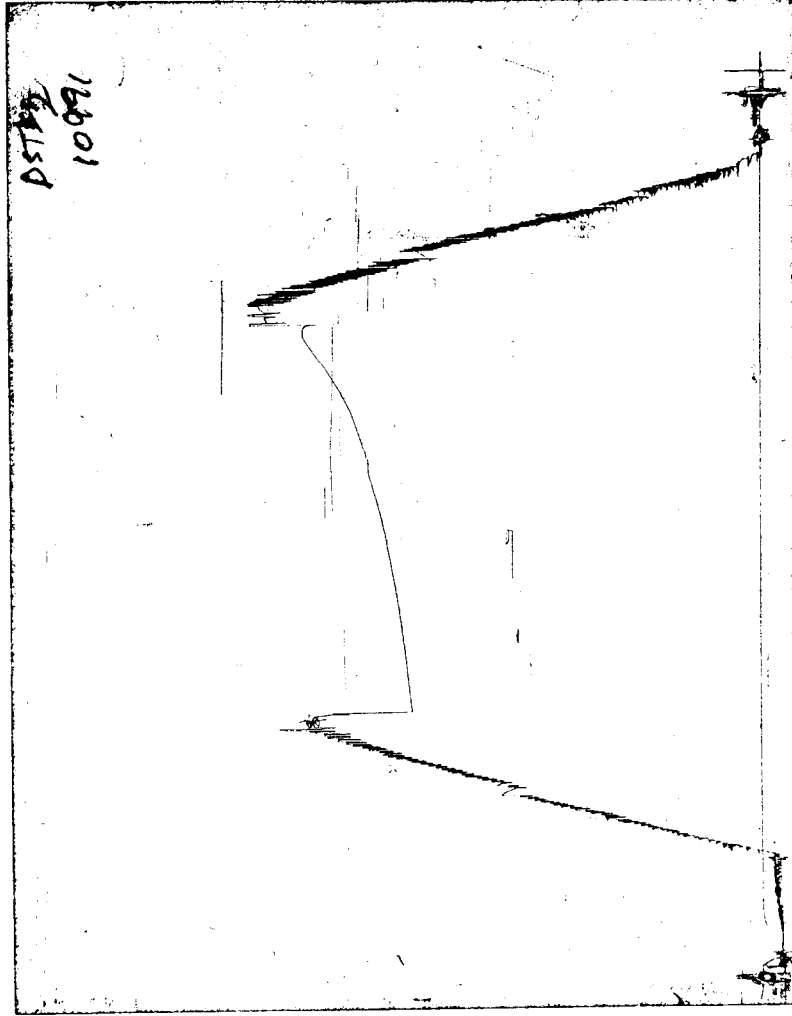


CHART PAGE



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

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

FLUID SAMPLER DATA

Ticket No. #10029 Date 7/15/97
Company Name Zinke & Trumba
Lease #1-10 Allen Trust Test No. #2 Chester Sand
County Seward Co. KS Sec. 10 Twp. 31s Rng. 33E

SAMPLER RECOVERY

Gas _____ ML
Oil _____ ML
Mud 4000 ML
Water No Water ML
Other _____ ML
Pressure 100 PSI
Total 4,000 ML

PIT MUD ANALYSIS

Chlorides 5500 ppm.
Resistivity 0.9 ohms @ 88 F
Viscosity 48
Mud Weight 90
Filtrate 8.8
Other LCM 7#

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
Chlorides No Water ppm.
Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.