

**WELL NAME:** Beeley #18-1  
**COMPANY:** Conley P. Smith  
**LOCATION:** Sec. 18 Twp. 35S Rge. 16W  
Comanche County Kansas  
**DATE:** 10-3-96

TRILOBITE TESTING L.L.C.

OPERATOR : Conley P.Smith DATE 9-30-96  
 WELL NAME: Beeley #18-1 KB 1915.00 ft TICKET NO: 8640 DST #1  
 LOCATION : 18-35S-16W GR 1910.00 ft FORMATION: Warsaw  
 INTERVAL : 5374.00 To 5404.00 ft TD 5404.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	2836	2836	2341			PF Fr. 1736 to 1751 hr
SI 60 Range(Psi )	3500.0	3500.0	4995.0	0.0	0.0	IS Fr. 1751 to 1851 hr
SF 60 Clock(hrs)	12hr	12hr	Batt.			SF Fr. 1851 to 1951 hr
FS 120 Depth(ft )	5401.0	5401.0	5378.0	0.0	0.0	FS Fr. 1951 to 2151 hr

	Field	1	2	3	4	
A. Init Hydro	2649.0	2613.0	2687.0	0.0	0.0	T STARTED 1500 hr
B. First Flow	68.0	94.0	53.0	0.0	0.0	T ON BOTM 1734 hr
Bl. Final Flow	77.0	96.0	64.0	0.0	0.0	T OPEN 1736 hr
C. In Shut-in	1480.0	1503.0	1585.0	0.0	0.0	T PULLED 2151 hr
D. Init Flow	77.0	90.0	56.0	0.0	0.0	T OUT 0330 hr
E. Final Flow	94.0	99.0	100.0	0.0	0.0	
F. Fl Shut-in	1639.0	1644.0	1738.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2622.0	2590.0	2634.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 75000.00 lbs
						Initial Str Wt 72000.00 lbs
						Unseated Str Wt 72000.00 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 360.00 ft
						D.P. Length 5018.00 ft

RECOVERY

Tot Fluid 0.00 ft of 0.00 ft in DC and 0.00 ft in DP  
 0.00 ft of Had trouble reversing fluid actual fluid  
 0.00 ft of recovery unknown.  
 0.00 ft of  
 90.00 ft of Gassy Oil & water cut mud  
 0.00 ft of 47%Gas 20%Oil 3%Water 30%Mud  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 SALINITY 0.00 P.P.M. A.P.I. Gravity 40.60

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	52.00 S/L
W.L.	11.20 in3
F.C.	0.00 in
Mud Drop Y	50.0 ft

BLOW DESCRIPTION

Initial Flow -  
 Strong Blow - Bottom of bucket  
 in 30 seconds

Final Flow -  
 Strong blow - Bottom of bucket  
 as soon as opened tool  
 Gas to surface in 55 minutes

Amt. of fill	0.00 ft
Btm. H. Temp.	124.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out Y	
Tool Chased N	
Tester	Mike Colantonio
Co. Rep.	Art Lebelo
Contr.	Abercrombie
Rig #	5
Unit #	
Pump T.	

SAMPLES: yes 1  
 SENT TO:Caraway Lab Liberal

Test Successful: Y

# TEST HISTORY

8640 DST#1 Beeley #18-1 Conley P. Smith

Flag Points

Time (Min.)	Pressure (PSIg)
A: 0.00	2687.42
B: 0.00	53.68
C: 13.00	64.19
D: 60.00	1585.94
E: 0.00	56.46
F: 60.00	100.50
G: 119.00	1738.63
H: 0.00	2634.43

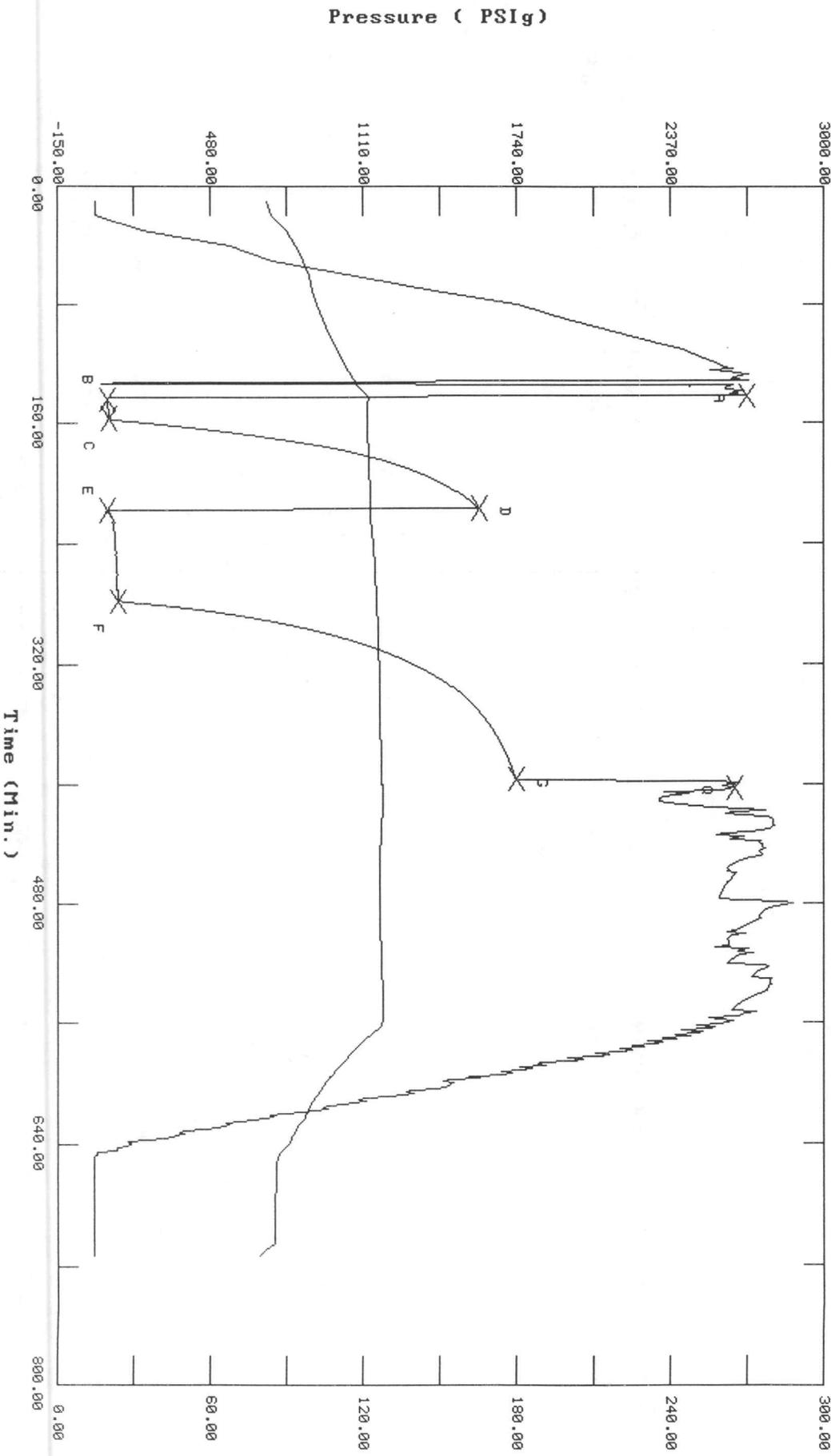
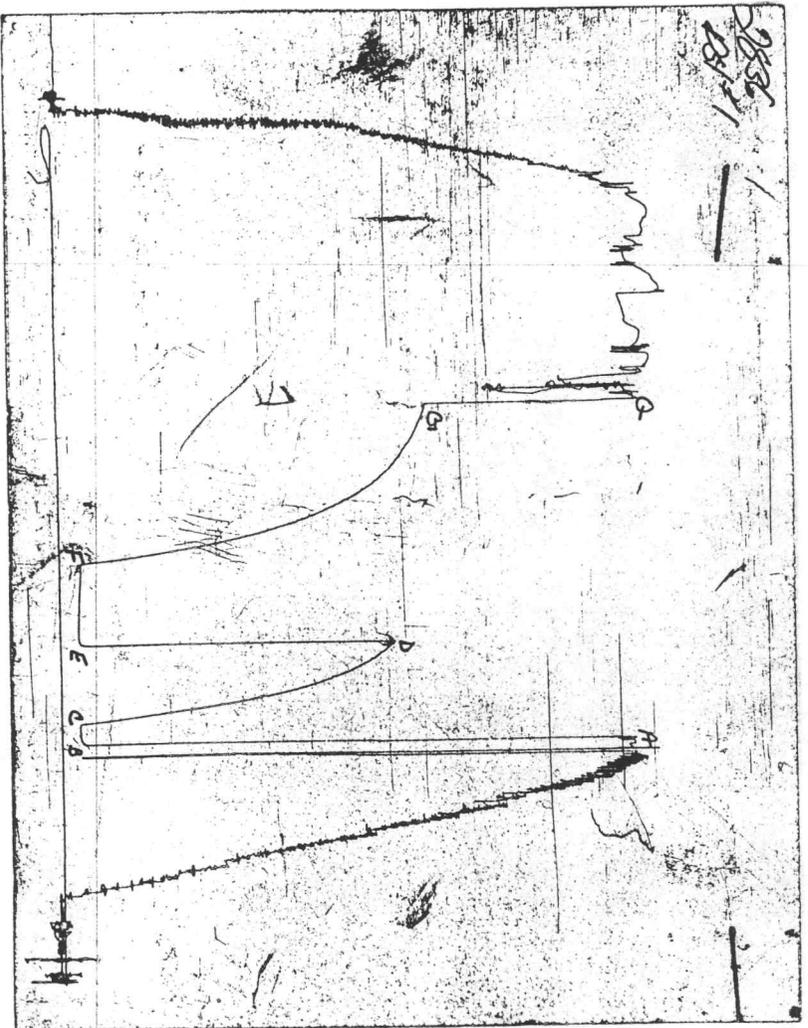


CHART PAGE



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



\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Beeley #18-1

LOCATION : 18-35S-16W

TICKET No. 8640 D.S.T. No. 1 DATE 9-30-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 25ft

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 35ft

TOTAL TOOL ..... 60ft

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY .....

D.C. ABOVE TOOLS.Stands4 Single Total 360ft

D.P. ABOVE TOOLS.Stands53 Single 2 Total 5018ft

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5438ft

TOTAL DEPTH ..... 5404ft

TOTAL DRILL PIPE ABOVE K.B. .... 34ft.

REMARKS:  
SAMPLER DATA

3.2 Cubic ft. Gas

2000 ml clean oil

200 ml mud

5 ml Water

1000 Psi.

4000 ml Total

P.O. SUB 1ft	5344
C.O. SUB	
S.I. TOOL 5ft	5350
3ft SAMPLER	5353
HMV 5ft	5358
JARS 5ft	5363
SAFETY JOINT 2ft	5365
PACKER Top	5369
PACKER Bottom	5374
DEPTH	
STUBB 1ft	5375
ANCHOR	
2ft perf	5377
Alpine Rec.	5378
6ft pick up sub	5383
T.C.	
DEPTH	
15ft perf	5398
3ft perf	5401
AK-1 Rec.	5401
BULLNOSE	
T.D. 3ft to	5404

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8640 DST#1 Beeley #18-1 Conley P. Smith

DATE: 09/30/96 TIME: 15:26:42

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
***** Initial Hydro.	142.00	2687.4	0.0	121.73		
***** Start Flow 1	0.00	53.7	0.0	122.07		
	1.00	55.0	1.3	122.07		
	2.00	55.5	1.8	122.01		
	3.00	55.6	1.9	121.94		
	4.00	57.5	3.8	121.88		
	5.00	58.0	4.3	121.82		
	6.00	57.6	3.9	121.77		
	7.00	59.7	6.0	121.74		
	8.00	60.7	7.0	121.70		
	9.00	61.0	7.4	121.67		
	10.00	62.6	8.9	121.67		
	11.00	62.0	8.4	121.65		
	12.00	64.1	10.4	121.64		
***** End Flow 1	13.00	64.2	10.5	121.63		
***** Start Shutin 1	0.00	64.2	0.0	121.63	0.0000	0.004
	1.00	79.0	14.8	121.63	14.0000	0.006
	2.00	153.2	89.0	121.63	7.5000	0.023
	3.00	219.0	154.8	121.63	5.3333	0.048
	4.00	279.0	214.9	121.65	4.2500	0.078
	5.00	336.8	272.7	121.66	3.6000	0.113
	6.00	391.7	327.5	121.68	3.1667	0.153
	7.00	444.9	380.7	121.71	2.8571	0.198
	8.00	495.9	431.7	121.74	2.6250	0.246
	9.00	545.4	481.2	121.77	2.4444	0.297
	10.00	593.2	529.0	121.80	2.3000	0.352
	11.00	639.4	575.2	121.83	2.1818	0.409
	12.00	683.9	619.7	121.86	2.0833	0.468
	13.00	727.0	662.8	121.89	2.0000	0.528
	14.00	768.8	704.6	121.92	1.9286	0.591
	15.00	810.2	746.0	121.96	1.8667	0.656
	16.00	850.4	786.2	121.99	1.8125	0.723
	17.00	888.3	824.1	122.02	1.7647	0.789
	18.00	924.3	860.1	122.05	1.7222	0.854
	19.00	958.4	894.2	122.08	1.6842	0.919
	20.00	990.3	926.1	122.11	1.6500	0.981
	21.00	1021.0	956.8	122.14	1.6190	1.043
	22.00	1050.1	985.9	122.17	1.5909	1.103
	23.00	1077.6	1013.4	122.20	1.5652	1.161
	24.00	1103.9	1039.7	122.24	1.5417	1.219
	25.00	1128.9	1064.7	122.26	1.5200	1.274
	26.00	1152.6	1088.4	122.29	1.5000	1.328
	27.00	1175.5	1111.3	122.32	1.4815	1.382
	28.00	1197.1	1132.9	122.34	1.4643	1.433
	29.00	1218.1	1153.9	122.38	1.4483	1.484
	30.00	1238.0	1173.8	122.40	1.4333	1.533
	31.00	1257.2	1193.0	122.44	1.4194	1.581
	32.00	1275.5	1211.3	122.45	1.4062	1.627
	33.00	1293.1	1228.9	122.45	1.3939	1.672
	34.00	1310.1	1245.9	122.50	1.3824	1.716
	35.00	1326.4	1262.2	122.53	1.3714	1.759

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8640 DST#1 Beeley #18-1 Conley P. Smith

DATE: 09/30/96

TIME: 15:26:42

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	36.00	1342.1	1277.9	122.54	1.3611	1.801
	37.00	1357.3	1293.1	122.58	1.3514	1.842
	38.00	1371.8	1307.6	122.59	1.3421	1.882
	39.00	1385.9	1321.7	122.62	1.3333	1.921
	40.00	1399.3	1335.1	122.53	1.3250	1.958
	41.00	1412.2	1348.0	122.66	1.3171	1.994
	42.00	1424.9	1360.7	122.67	1.3095	2.030
	43.00	1437.1	1372.9	122.70	1.3023	2.065
	44.00	1448.7	1384.5	122.73	1.2955	2.099
	45.00	1459.8	1395.7	122.74	1.2889	2.131
	46.00	1470.6	1406.4	122.77	1.2826	2.163
	47.00	1480.9	1416.7	122.80	1.2766	2.193
	48.00	1490.6	1426.4	122.81	1.2708	2.222
	49.00	1499.6	1435.4	122.83	1.2653	2.249
	50.00	1508.5	1444.3	122.85	1.2600	2.276
	51.00	1517.4	1453.2	122.85	1.2549	2.302
	52.00	1525.8	1461.6	122.89	1.2500	2.328
	53.00	1534.1	1469.9	122.91	1.2453	2.354
	54.00	1542.2	1478.0	122.93	1.2407	2.378
	55.00	1550.1	1485.9	122.95	1.2364	2.403
	56.00	1557.6	1493.4	122.97	1.2321	2.426
	57.00	1565.1	1500.9	122.99	1.2281	2.449
	58.00	1572.3	1508.1	123.00	1.2241	2.472
	59.00	1579.3	1515.1	123.02	1.2203	2.494
*****	End Shut-in 1	60.00	1585.9	1521.7	123.04	2.515
*****	Start Flow 2	0.00	56.5	0.0	123.03	
		1.00	53.0	-3.4	123.02	
		2.00	67.6	11.1	123.01	
		3.00	68.2	11.8	123.02	
		4.00	71.3	14.8	123.03	
		5.00	77.6	21.2	123.05	
		6.00	79.0	22.6	123.08	
		7.00	78.4	21.9	123.11	
		8.00	77.0	20.5	123.14	
		9.00	78.4	21.9	123.18	
		10.00	80.4	24.0	123.24	
		11.00	83.0	26.6	123.29	
		12.00	82.7	26.3	123.35	
		13.00	83.2	26.8	123.42	
		14.00	84.1	27.6	123.51	
		15.00	85.2	28.8	123.59	
		16.00	84.5	28.1	123.66	
		17.00	85.9	29.5	123.74	
		18.00	85.5	29.1	123.82	
		19.00	85.7	29.2	123.89	
		20.00	85.6	29.1	123.96	
		21.00	87.7	31.2	124.02	
		22.00	87.8	31.3	124.07	
		23.00	86.9	30.4	124.13	
		24.00	88.5	32.0	124.18	
		25.00	89.7	33.2	124.23	

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Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>	
26.00	89.2	32.7	124.26			
27.00	91.1	34.7	124.30			
28.00	91.0	34.5	124.34			
29.00	90.2	33.8	124.39			
30.00	91.8	35.4	124.42			
31.00	91.0	34.5	124.46			
32.00	92.3	35.8	124.49			
33.00	92.9	36.4	124.53			
34.00	93.6	37.2	124.57			
35.00	92.8	36.4	124.61			
36.00	94.1	37.6	124.64			
37.00	92.9	36.4	124.67			
38.00	91.2	34.7	124.70			
39.00	93.3	36.8	124.73			
40.00	95.2	38.8	124.77			
41.00	94.7	38.2	124.80			
42.00	97.7	41.2	124.83			
43.00	94.8	38.4	124.85			
44.00	94.0	37.5	124.88			
45.00	93.7	37.2	124.91			
46.00	95.2	38.8	124.94			
47.00	94.7	38.2	124.96			
48.00	94.0	37.5	124.99			
49.00	94.2	37.7	125.01			
50.00	96.5	40.0	125.04			
51.00	96.2	39.7	125.06			
52.00	96.5	40.0	125.08			
53.00	98.5	42.0	125.11			
54.00	98.0	41.5	125.14			
55.00	96.9	40.5	125.16			
56.00	97.8	41.3	125.18			
57.00	98.5	42.1	125.20			
58.00	98.5	42.0	125.23			
59.00	99.9	43.5	125.25			
60.00	100.5	44.0	125.28			
***** End Flow 2						
***** Start Shutin 2	0.00	100.5	0.0	125.28	0.0000	0.010
	1.00	131.6	31.1	125.30	74.0000	0.017
	2.00	206.0	105.5	125.32	37.5000	0.042
	3.00	272.0	171.5	125.36	25.3333	0.074
	4.00	330.7	230.2	125.39	19.2500	0.109
	5.00	383.8	283.3	125.43	15.6000	0.147
	6.00	432.9	332.4	125.46	13.1667	0.187
	7.00	478.7	378.2	125.49	11.4286	0.229
	8.00	521.9	421.4	125.54	10.1250	0.272
	9.00	562.9	462.4	125.57	9.1111	0.317
	10.00	601.9	501.4	125.60	8.3000	0.362
	11.00	639.7	539.2	125.64	7.6364	0.409
	12.00	675.7	575.2	125.67	7.0833	0.457
	13.00	710.8	610.3	125.70	6.6154	0.505
	14.00	744.0	643.5	125.72	6.2143	0.553
	15.00	776.0	675.5	125.75	5.8667	0.602

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

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DATE: 09/30/96

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Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
16.00	806.9	706.4	125.79	5.5625	0.651
17.00	836.6	736.1	125.80	5.2941	0.700
18.00	865.5	765.0	125.83	5.0556	0.749
19.00	892.2	791.7	125.85	4.8421	0.796
20.00	918.3	817.8	125.88	4.6500	0.843
21.00	944.5	844.0	125.89	4.4762	0.892
22.00	969.3	868.8	125.93	4.3182	0.940
23.00	993.0	892.5	125.96	4.1739	0.986
24.00	1016.0	915.5	125.98	4.0417	1.032
25.00	1036.9	936.4	125.99	3.9200	1.075
26.00	1058.6	958.1	126.02	3.8077	1.121
27.00	1079.0	978.5	126.03	3.7037	1.164
28.00	1098.7	998.2	126.05	3.6071	1.207
29.00	1117.8	1017.3	126.06	3.5172	1.249
30.00	1136.2	1035.7	126.08	3.4333	1.291
31.00	1154.2	1053.7	126.10	3.3548	1.332
32.00	1171.5	1071.0	126.11	3.2812	1.372
33.00	1188.1	1087.6	126.12	3.2121	1.412
34.00	1204.4	1103.9	126.14	3.1471	1.451
35.00	1220.0	1119.5	126.16	3.0857	1.488
36.00	1235.4	1134.9	126.17	3.0278	1.526
37.00	1250.2	1149.7	126.21	2.9730	1.563
38.00	1264.9	1164.4	126.21	2.9211	1.600
39.00	1278.7	1178.2	126.22	2.8718	1.635
40.00	1292.3	1191.8	126.24	2.8250	1.670
41.00	1305.5	1205.0	126.25	2.7805	1.704
42.00	1318.2	1217.7	126.25	2.7381	1.738
43.00	1330.6	1230.1	126.25	2.6977	1.771
44.00	1342.7	1242.1	126.29	2.6591	1.803
45.00	1354.5	1254.0	126.31	2.6222	1.835
46.00	1366.0	1265.5	126.31	2.5870	1.866
47.00	1377.2	1276.7	126.31	2.5532	1.897
48.00	1387.9	1287.4	126.33	2.5208	1.926
49.00	1398.4	1297.9	126.34	2.4898	1.956
50.00	1408.6	1308.1	126.35	2.4600	1.984
51.00	1418.5	1318.0	126.36	2.4314	2.012
52.00	1428.1	1327.6	126.38	2.4038	2.039
53.00	1437.5	1337.0	126.39	2.3774	2.066
54.00	1446.7	1346.2	126.41	2.3519	2.093
55.00	1455.5	1355.0	126.42	2.3273	2.118
56.00	1463.9	1363.4	126.44	2.3036	2.143
57.00	1472.4	1371.9	126.44	2.2807	2.168
58.00	1480.7	1380.2	126.45	2.2586	2.192
59.00	1488.5	1388.0	126.46	2.2373	2.216
60.00	1496.2	1395.7	126.49	2.2167	2.239
61.00	1503.7	1403.2	126.48	2.1967	2.261
62.00	1511.0	1410.5	126.50	2.1774	2.283
63.00	1518.3	1417.8	126.51	2.1587	2.305
64.00	1525.2	1424.7	126.53	2.1406	2.326
65.00	1532.0	1431.5	126.52	2.1231	2.347
66.00	1538.7	1438.2	126.54	2.1061	2.368

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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8640 DST#1 Beeley #18-1 Conley P. Smith

DATE: 09/30/96 TIME: 15:26:42  
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Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
67.00	1545.1	1444.6	126.56	2.0896	2.387
68.00	1551.3	1450.8	126.57	2.0735	2.407
69.00	1557.6	1457.1	126.58	2.0580	2.426
70.00	1563.5	1463.0	126.57	2.0429	2.445
71.00	1569.6	1469.1	126.59	2.0282	2.464
72.00	1575.2	1474.7	126.61	2.0139	2.481
73.00	1580.7	1480.2	126.62	2.0000	2.499
74.00	1586.3	1485.8	126.63	1.9865	2.516
75.00	1591.5	1491.0	126.65	1.9733	2.533
76.00	1596.7	1496.2	126.66	1.9605	2.550
77.00	1601.8	1501.3	126.71	1.9481	2.566
78.00	1606.9	1506.4	126.67	1.9359	2.582
79.00	1611.7	1511.2	126.68	1.9241	2.598
80.00	1616.4	1515.9	126.71	1.9125	2.613
81.00	1620.9	1520.4	126.69	1.9012	2.627
82.00	1625.5	1525.0	126.71	1.8902	2.642
83.00	1629.8	1529.3	126.71	1.8795	2.656
84.00	1634.2	1533.7	126.74	1.8690	2.671
85.00	1638.5	1538.0	126.75	1.8588	2.685
86.00	1642.8	1542.3	126.75	1.8488	2.699
87.00	1646.8	1546.3	126.76	1.8391	2.712
88.00	1650.7	1550.2	126.78	1.8295	2.725
89.00	1654.5	1554.0	126.78	1.8202	2.737
90.00	1658.4	1557.9	126.79	1.8111	2.750
91.00	1662.1	1561.6	126.81	1.8022	2.763
92.00	1665.8	1565.3	126.82	1.7935	2.775
93.00	1669.3	1568.8	126.83	1.7849	2.787
94.00	1672.6	1572.1	126.85	1.7766	2.798
95.00	1676.1	1575.6	126.85	1.7684	2.809
96.00	1679.3	1578.8	126.85	1.7604	2.820
97.00	1682.5	1582.0	126.87	1.7526	2.831
98.00	1685.6	1585.1	126.88	1.7449	2.841
99.00	1688.6	1588.1	126.90	1.7374	2.851
100.00	1691.7	1591.2	126.90	1.7300	2.862
101.00	1694.6	1594.1	126.91	1.7228	2.872
102.00	1697.5	1597.0	126.92	1.7157	2.881
103.00	1700.3	1599.8	126.93	1.7087	2.891
104.00	1703.1	1602.6	126.93	1.7019	2.900
105.00	1705.9	1605.4	126.94	1.6952	2.910
106.00	1708.4	1607.9	126.97	1.6887	2.919
107.00	1711.0	1610.5	126.99	1.6822	2.928
108.00	1713.6	1613.1	126.99	1.6759	2.936
109.00	1716.2	1615.7	127.00	1.6697	2.945
110.00	1718.6	1618.1	126.99	1.6636	2.954
111.00	1721.1	1620.6	127.01	1.6577	2.962
112.00	1723.3	1622.8	127.03	1.6518	2.970
113.00	1725.7	1625.2	127.04	1.6460	2.978
114.00	1727.9	1627.4	127.06	1.6404	2.986
115.00	1730.0	1629.5	127.06	1.6348	2.993
116.00	1732.3	1631.8	127.07	1.6293	3.001
117.00	1734.5	1634.0	127.08	1.6239	3.008

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ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8640 DST#1 Beeley #18-1 Conley P. Smith

DATE: 09/30/96 TIME: 15:26:42  
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	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	118.00	1736.5	1636.0	127.10	1.6186	3.015
***** End Shut-in 2	119.00	1738.6	1638.1	127.11	1.6134	3.023
***** Final Hydro.	403.00	2634.4	0.0	127.72		