

WELL NAME: Smith 1-20
COMPANY: Harris Oil & Gas Co.
LOCATION: 20-33S-42W
Morton County, Kansas
DATE: 12/17/97

TRILOBITE TESTING L.L.C.

OPERATOR : HARRIS OIL & GAS CO.

DATE 12-14-97

WELL NAME: SMITH "1-20"

KB 3557.00 ft

TICKET NO: 10807

DST #1

LOCATION : 20-33S-42W

GR 3547.00 ft

FORMATION: MORROW

INTERVAL : 4275.00 To 4496.00 ft

TD 4496.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13630	13630	ALPINE			PF Fr. 1535 to 1605 hr
SI 120 Range (Psi)	4625.0	4625.0	5000.0	0.0	0.0	IS Fr. 1605 to 1805 hr
SF 0 Clock (hrs)	12 HR	12 HR	24 HR			SF Fr. -- to -- hr
PS 0 Depth (ft)	4485.0	4485.0	4277.0	0.0	0.0	FS Fr. -- to -- hr

	Field	1	2	3	4	
1. Init Hydro	2292.0	2288.0	2145.0	0.0	0.0	T STARTED 1330 hr
2. First Flow	1068.0	1060.0	964.0	0.0	0.0	T ON BOTM 1532 hr
3. Final Flow	1229.0	1220.0	1214.0	0.0	0.0	T OPEN 1535 hr
4. In Shut-in	1419.0	1415.0	1380.0	0.0	0.0	T PULLED 1805 hr
5. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 2400 hr
6. Final Flow	0.0	0.0	0.0	0.0	0.0	
7. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	TOOL DATA-----
8. Final Hydro	2244.0	2253.0	2119.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 24000.00 lbs
						Wt Pulled Loose 25000.00 lbs
						Initial Str Wt 73000.00 lbs
						Unseated Str Wt 79000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 540.00 ft
						D.P. Length 3722.00 ft

RECOVERY

Net Fluid 4262.00 ft of 540.00 ft in DC and 3722.00 ft in DP

4262.00 ft of CLEAN GASSY OIL 20%GAS 80%OIL

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 33.00

BLOW DESCRIPTION

Initial Flow:

STRONG bottom of bucket in 30 seconds

Gas to surface in 7 minutes

Gauged 86,300

Flowing mud immediately - flowing

oil 15 minutes into initial Shutin:

No Final Flow or Final Shutin:

SAMPLES: NONE

SENT TO:

MUD DATA-----

Mud Type	CHEM.
Weight	9.30 lb/cf
Vis.	54.00 S/L
W.L.	10.40 in3
F.C.	0.00 in
Mud Drop Y	20.0 ft

Amt. of fill	0.00 ft
Btm. H. Temp.	114.00 F
Hole Condition	GOOD
% Porosity	18.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out Y	
Tool Chased N	
Tester	LANNY SALOGA
Co. Rep.	TOMMY DISEKER
Contr.	ALLEN
Rig #	2
Unit #	
Pump T.	

Test Successful: Y

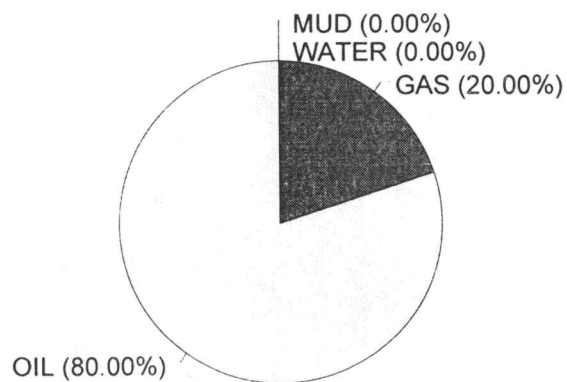
CALCULATED RECOVERY ANALYSIS

DST 1

TICKET 10807

SAMPLE #		TOTAL		GAS		OIL		WATER		MUD	
		FEET	%	FEET	%	FEET	%	FEET	%	FEET	%
DRILL	1	3722	20	744.4	80	2977.6		0	0	0	0
PIPE	2	0	0	0	0	0	0	0	0	0	0
	3	0	0	0		0	0	0	0	0	0
	4	0	0	0		0	0	0	0	0	0
	5			0		0		0		0	
	6			0		0		0		0	
WEIGHT	1			0		0		0		0	
PIPE	2			0		0		0		0	
	3			0		0		0		0	
	4			0		0		0		0	
DRILL	1	540	20	108	80	432		0		0	
COLLARS	2			0		0		0		0	
	3			0		0		0		0	
	4			0		0		0		0	
	5			0		0		0		0	
TOTAL		4262		852.4		3409.6		0		0	

			HRS OPEN		BBL/DAY
BBL OIL=	44.45395	*	2.5	=	426.7579
BBL WATER=	0	*	2.5	=	0
BBL MUD=	0				
BBL GAS =	11.11349				



GAS RECOVERY

COMPANY: HARRIS OIL & GAS CO.

DATE: 12-14-97

WELL NAME: SMITH "1-20"

KB Elev: 3557.00 ft TICKET #10807 DST #1

WELL LOCATION: 20-33S-42W

GR Elev: 3547.00 ft FORMATION: MORROW

INTERVAL Fr.: 4275.00 To 4496.00 T.D.: 4496.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH MERLA ORFICE

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.50	5	0	78100.0
15	0.50	6	0	86300.0
20	0.50	3	0	59200.0
25	0.50	2	0	47700.0
30	0.50	1	0	33900.0

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: SMITH "1-20"

LOCATION : 20-33S-42W

TICKET No. 10807 D.S.T. No. 1 DATE 12-14-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 34

TOTAL TOOL 62

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.	Stands	Single	Total
1	1	1	1
2	1	1	1
3	1	1	1
4	1	1	1
5	1	1	1
6	1	1	1
7	1	1	1
8	1	1	1
9	1	1	1
10	1	1	1
11	1	1	1
12	1	1	1
13	1	1	1
14	1	1	1
15	1	1	1
16	1	1	1
17	1	1	1
18	1	1	1
19	1	1	1
20	1	1	1
21	1	1	1
22	1	1	1
23	1	1	1
24	1	1	1
25	1	1	1
26	1	1	1
27	1	1	1
28	1	1	1
29	1	1	1
30	1	1	1
31	1	1	1
32	1	1	1
33	1	1	1
34	1	1	1
35	1	1	1
36	1	1	1
37	1	1	1
38	1	1	1
39	1	1	1
40	1	1	1
41	1	1	1
42	1	1	1
43	1	1	1
44	1	1	1
45	1	1	1
46	1	1	1
47	1	1	1
48	1	1	1
49	1	1	1
50	1	1	1
51	1	1	1
52	1	1	1
53	1	1	1
54	1	1	1
55	1	1	1
56	1	1	1
57	1	1	1
58	1	1	1
59	1	1	1
60	1	1	1
61	1	1	1
62	1	1	1
63	1	1	1
64	1	1	1
65	1	1	1
66	1	1	1
67	1	1	1
68	1	1	1
69	1	1	1
70	1	1	1
71	1	1	1
72	1	1	1
73	1	1	1
74	1	1	1
75	1	1	1
76	1	1	1
77	1	1	1
78	1	1	1
79	1	1	1
80	1	1	1
81	1	1	1
82	1	1	1
83	1	1	1
84	1	1	1
85	1	1	1
86	1	1	1
87	1	1	1
88	1	1	1
89	1	1	1
90	1	1	1
91	1	1	1
92	1	1	1
93	1	1	1
94	1	1	1
95	1	1	1
96	1	1	1
97	1	1	1
98	1	1	1
99	1	1	1
100	1	1	1

D.P. ANCHOR STND.	Stands	3	Single	Total	187
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TOTAL ASSEMBLY 249

D.C. ABOVE TOOLS.Stands9	Single	Total 540
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D.P. ABOVE TOOLS.Stands59 Single 1 Total 3722

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4511

TOTAL DEPTH 4496

TOTAL DRILL PIPE ABOVE K.B. 15

REMARKS:

PULLED TOOL LOOSE AFTER 120 MIN. I.S.I.P.
REVERSED FLUID TO RESERVE PIT.

P.O. SUB TOP OF TOOL 4247

C.O. SUB DOUBLE PIN 4248

S.I. TOOL H&T 4253

HMV H&T 4258

JARS WTC #401 4264

SAFETY JOINT BOWEN 4266

PACKER SPARTON 4271

PACKER SPARTON 4275

DEPTH		
STUBB REC. SUB		4277

STUBB REC. SUB 4277

ANCHOR ALPINE @4277
2' PERFS 4279

2' PERFS 4279

T.C.	DEPTH
1	10
2	20
3	30
4	40
5	50
6	60
7	70
8	80
9	90
10	100
11	110
12	120
13	130
14	140
15	150
16	160
17	170
18	180
19	190
20	200
21	210
22	220
23	230
24	240
25	250
26	260
27	270
28	280
29	290
30	300
31	310
32	320
33	330
34	340
35	350
36	360
37	370
38	380
39	390
40	400
41	410
42	420
43	430
44	440
45	450
46	460
47	470
48	480
49	490
50	500
51	510
52	520
53	530
54	540
55	550
56	560
57	570
58	580
59	590
60	600
61	610
62	620
63	630
64	640
65	650
66	660
67	670
68	680
69	690
70	700
71	710
72	720
73	730
74	740
75	750
76	760
77	770
78	780
79	790
80	800
81	810
82	820
83	830
84	840
85	850
86	860
87	870
88	880
89	890
90	900
91	910
92	920
93	930
94	940
95	950
96	960
97	970
98	980
99	990
100	1000

3 STDS DP. 4466

PU SUB 4471

AK-1 @4485

25' PERFS 4496

BULLNOSE

T.D. 4496

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 10807 D.S.T.#1 SMITH "1-20" HARRIS OIL & GAS
 DATE: 12/14/97 TIME: 13:21:53

	Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	124.00	2145.2	0.0	103.07		
***** Start Flow 1	0.00	964.0	0.0	104.21		
	0.25	966.1	2.1	104.22		
	0.50	973.0	9.0	104.25		
	0.75	981.2	17.2	104.28		
	1.00	989.8	25.8	104.33		
	1.25	993.5	29.5	104.43		
	1.50	992.7	28.7	104.60		
	1.75	988.4	24.4	104.86		
	2.00	979.3	15.3	105.15		
	2.25	973.9	9.9	105.44		
	2.50	971.1	7.1	105.83		
	2.75	967.4	3.4	106.11		
	3.00	964.4	0.3	106.50		
	3.25	964.0	-0.0	106.89		
	3.50	965.2	1.1	107.32		
	3.75	964.6	0.6	107.69		
	4.00	964.0	-0.0	108.09		
	4.25	966.1	2.0	108.47		
	4.50	966.1	2.1	108.87		
	4.75	966.9	2.9	109.25		
	5.00	967.7	3.7	109.64		
	5.25	968.7	4.7	110.03		
	5.50	969.2	5.2	110.38		
	5.75	969.2	5.2	110.77		
	6.00	970.7	6.7	111.14		
	6.25	972.2	8.2	111.47		
	6.50	973.8	9.8	111.84		
	6.75	975.4	11.4	112.20		
	7.00	977.0	13.0	112.48		
	7.25	978.7	14.6	112.84		
	7.50	980.6	16.6	113.15		
	7.75	981.7	17.7	113.47		
	8.00	983.3	19.3	113.78		
	8.25	984.4	20.4	114.08		
	8.50	986.4	22.4	114.37		
	8.75	989.7	25.7	114.64		
	9.00	990.4	26.4	114.92		
	9.25	993.2	29.2	115.20		
	9.50	995.6	31.6	115.46		
	9.75	998.2	34.2	115.72		
	10.00	1000.5	36.5	115.96		
	10.25	1002.9	38.9	116.19		
	10.50	1005.4	41.4	116.42		
	10.75	1008.1	44.0	116.64		
	11.00	1010.6	46.6	116.86		
	11.25	1013.0	49.0	117.05		
	11.50	1015.4	51.4	117.26		
	11.75	1018.1	54.1	117.45		
	12.00	1020.3	56.3	117.63		
	12.25	1022.8	58.8	117.82		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10807 D.S.T.#1 SMITH "1-20" HARRIS OIL & GAS
 DATE: 12/14/97 TIME: 13:21:53

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
12.50	1025.3	61.3	117.99		
12.75	1027.9	63.9	118.16		
13.00	1030.3	66.3	118.33		
13.25	1031.2	67.2	118.48		
13.50	1034.9	70.9	118.67		
13.75	1038.6	74.5	118.75		
14.00	1042.1	78.1	118.90		
14.25	1045.2	81.2	119.04		
14.50	1048.0	84.0	119.17		
14.75	1051.1	87.1	119.30		
15.00	1054.1	90.1	119.43		
15.25	1056.8	92.8	119.54		
15.50	1059.6	95.6	119.65		
15.75	1061.1	97.1	119.75		
16.00	1064.9	100.9	119.86		
16.25	1068.6	104.5	119.96		
16.50	1071.9	107.9	119.94		
16.75	1075.5	111.5	120.13		
17.00	1078.8	114.8	120.23		
17.25	1082.2	118.2	120.30		
17.50	1086.2	122.2	120.37		
17.75	1089.3	125.3	120.44		
18.00	1092.4	128.4	120.51		
18.25	1095.1	131.1	120.57		
18.50	1098.3	134.3	120.64		
18.75	1101.4	137.4	120.69		
19.00	1104.6	140.6	120.74		
19.25	1107.5	143.5	120.78		
19.50	1110.6	146.5	120.83		
19.75	1113.3	149.3	120.87		
20.00	1116.2	152.2	120.90		
20.25	1118.6	154.6	120.95		
20.50	1121.6	157.6	120.98		
20.75	1124.3	160.3	121.01		
21.00	1127.2	163.2	121.03		
21.25	1129.5	165.4	121.05		
21.50	1133.3	169.3	121.07		
21.75	1136.2	172.2	121.09		
22.00	1138.7	174.7	121.10		
22.25	1140.8	176.8	121.13		
22.50	1143.7	179.7	121.15		
22.75	1146.6	182.6	121.16		
23.00	1150.3	186.3	121.16		
23.25	1154.3	190.3	121.18		
23.50	1157.6	193.6	121.20		
23.75	1160.6	196.6	121.21		
24.00	1163.5	199.5	121.21		
24.25	1166.0	202.0	121.21		
24.50	1168.7	204.7	121.21		
24.75	1171.4	207.4	121.21		
25.00	1174.0	210.0	121.21		

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 10807 D.S.T.#1 SMITH "1-20" HARRIS OIL & GAS
 DATE: 12/14/97 TIME: 13:21:53

	Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
	25.25	1176.4	212.4	121.21		
	25.50	1179.1	215.1	121.22		
	25.75	1181.3	217.3	121.22		
	26.00	1183.7	219.7	121.21		
	26.25	1186.0	222.0	121.21		
	26.50	1188.3	224.3	121.21		
	26.75	1190.8	226.7	121.21		
	27.00	1193.1	229.1	121.21		
	27.25	1195.2	231.2	121.21		
	27.50	1197.3	233.3	121.20		
	27.75	1199.2	235.2	121.20		
	28.00	1201.2	237.1	121.19		
	28.25	1202.4	238.4	121.17		
	28.50	1203.9	239.9	121.17		
	28.75	1205.5	241.5	121.16		
	29.00	1207.2	243.2	121.16		
	29.25	1208.6	244.6	121.15		
	29.50	1211.0	247.0	121.13		
	29.75	1213.0	249.0	121.13		
***** End Flow 1	30.00	1214.9	250.9	121.12		
***** Start Shutin 1	0.00	1214.9	0.0	121.12	0.0000	1.476
	0.25	1248.6	33.7	121.11	121.0000	1.559
	0.50	1298.6	83.7	121.10	61.0000	1.686
	0.75	1314.5	99.6	121.09	41.0000	1.728
	1.00	1322.5	107.6	121.08	31.0000	1.749
	1.25	1327.2	112.3	121.07	25.0000	1.761
	1.50	1330.2	115.3	121.07	21.0000	1.769
	1.75	1332.8	117.9	121.05	18.1429	1.776
	2.00	1335.0	120.1	121.05	16.0000	1.782
	2.25	1336.7	121.8	121.05	14.3333	1.787
	2.50	1338.1	123.2	121.04	13.0000	1.791
	2.75	1339.5	124.6	121.04	11.9091	1.794
	3.00	1340.7	125.8	121.04	11.0000	1.797
	3.25	1341.9	127.0	121.02	10.2308	1.801
	3.50	1343.0	128.1	121.02	9.5714	1.804
	3.75	1344.0	129.1	121.03	9.0000	1.806
	4.00	1344.8	129.9	121.03	8.5000	1.808
	4.25	1345.6	130.7	121.02	8.0588	1.811
	4.50	1346.4	131.5	121.02	7.6667	1.813
	4.75	1347.1	132.2	121.02	7.3158	1.815
	5.00	1347.8	132.9	121.02	7.0000	1.817
	5.25	1348.6	133.7	121.01	6.7143	1.819
	5.50	1349.3	134.3	121.01	6.4545	1.820
	5.75	1349.8	134.9	121.01	6.2174	1.822
	6.00	1350.4	135.5	121.01	6.0000	1.824
	6.25	1350.9	136.0	120.99	5.8000	1.825
	6.50	1351.5	136.6	120.99	5.6154	1.827
	6.75	1352.2	137.3	120.99	5.4444	1.828
	7.00	1352.7	137.7	120.98	5.2857	1.830
	7.25	1353.1	138.2	120.97	5.1379	1.831
	7.50	1353.5	138.6	120.97	5.0000	1.832

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10807 D.S.T.#1 SMITH "1-20" HARRIS OIL & GAS

DATE: 12/14/97 TIME: 13:21:53

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
7.75	1353.8	138.9	120.96	4.8710	1.833
8.00	1354.2	139.3	120.95	4.7500	1.834
8.25	1354.7	139.8	120.94	4.6364	1.835
8.50	1355.0	140.1	120.92	4.5294	1.836
8.75	1355.3	140.4	120.92	4.4286	1.837
9.00	1355.6	140.7	120.90	4.3333	1.838
9.25	1356.0	141.1	120.90	4.2432	1.839
9.50	1356.4	141.5	120.88	4.1579	1.840
9.75	1356.7	141.8	120.86	4.0769	1.841
10.00	1357.0	142.1	120.84	4.0000	1.842
10.25	1357.3	142.4	120.83	3.9268	1.842
10.50	1357.7	142.8	120.81	3.8571	1.843
10.75	1357.9	143.0	120.79	3.7907	1.844
11.00	1358.1	143.2	120.77	3.7273	1.844
11.25	1358.3	143.4	120.76	3.6667	1.845
11.50	1358.5	143.6	120.73	3.6087	1.846
11.75	1358.5	143.6	120.71	3.5532	1.846
12.00	1358.8	143.9	120.69	3.5000	1.846
12.25	1359.2	144.3	120.67	3.4490	1.848
12.50	1359.5	144.6	120.65	3.4000	1.848
12.75	1359.9	145.0	120.63	3.3529	1.849
13.00	1360.2	145.3	120.60	3.3077	1.850
13.25	1360.5	145.6	120.57	3.2642	1.851
13.50	1360.8	145.8	120.55	3.2222	1.852
13.75	1360.9	146.0	120.52	3.1818	1.852
14.00	1360.9	146.0	120.50	3.1429	1.852
14.25	1361.1	146.1	120.47	3.1053	1.852
14.50	1361.2	146.3	120.45	3.0690	1.853
14.75	1361.4	146.5	120.42	3.0339	1.853
15.00	1361.5	146.6	120.39	3.0000	1.854
15.25	1361.6	146.7	120.36	2.9672	1.854
15.50	1361.8	146.9	120.33	2.9355	1.855
15.75	1362.2	147.3	120.31	2.9048	1.856
16.00	1362.4	147.5	120.29	2.8750	1.856
16.25	1362.8	147.8	120.26	2.8462	1.857
16.50	1363.0	148.0	120.23	2.8182	1.858
16.75	1363.1	148.2	120.20	2.7910	1.858
17.00	1363.2	148.3	120.17	2.7647	1.858
17.25	1363.3	148.4	120.15	2.7391	1.859
17.50	1363.3	148.4	120.12	2.7143	1.859
17.75	1363.4	148.5	120.10	2.6901	1.859
18.00	1363.6	148.6	120.07	2.6667	1.859
18.25	1363.7	148.8	120.04	2.6438	1.860
18.50	1363.7	148.8	120.01	2.6216	1.860
18.75	1363.9	149.0	119.98	2.6000	1.860
19.00	1364.1	149.2	119.94	2.5789	1.861
19.25	1364.3	149.4	119.93	2.5584	1.861
19.50	1364.4	149.5	119.89	2.5385	1.862
19.75	1364.4	149.5	119.86	2.5190	1.862
20.00	1364.4	149.5	119.84	2.5000	1.862
20.25	1364.7	149.7	119.80	2.4815	1.862

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 10807 D.S.T.#1 SMITH "1-20" HARRIS OIL & GAS
 DATE: 12/14/97 TIME: 13:21:53

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
20.50	1364.8	149.9	119.77	2.4634	1.863
20.75	1365.0	150.1	119.75	2.4458	1.863
21.00	1365.2	150.3	119.72	2.4286	1.864
21.25	1365.3	150.4	119.69	2.4118	1.864
21.50	1365.5	150.6	119.66	2.3953	1.865
21.75	1365.5	150.6	119.63	2.3793	1.865
22.00	1365.6	150.7	119.61	2.3636	1.865
22.25	1365.6	150.7	119.58	2.3483	1.865
22.50	1365.7	150.8	119.56	2.3333	1.865
22.75	1365.7	150.8	119.53	2.3187	1.865
23.00	1365.9	151.0	119.49	2.3043	1.866
23.25	1366.1	151.1	119.47	2.2903	1.866
23.50	1366.2	151.3	119.44	2.2766	1.866
23.75	1366.3	151.4	119.42	2.2632	1.867
24.00	1366.4	151.5	119.38	2.2500	1.867
24.25	1366.6	151.7	119.36	2.2371	1.868
24.50	1366.7	151.8	119.33	2.2245	1.868
24.75	1366.8	151.8	119.31	2.2121	1.868
25.00	1366.9	152.0	119.27	2.2000	1.868
25.25	1367.0	152.1	119.26	2.1881	1.869
25.50	1367.1	152.2	119.22	2.1765	1.869
25.75	1367.2	152.3	119.19	2.1650	1.869
26.00	1367.2	152.3	119.16	2.1538	1.869
26.25	1367.2	152.2	119.14	2.1429	1.869
26.50	1367.3	152.4	119.13	2.1321	1.869
26.75	1367.3	152.4	119.09	2.1215	1.870
27.00	1367.4	152.5	119.07	2.1111	1.870
27.25	1367.5	152.6	119.03	2.1009	1.870
27.50	1367.6	152.7	119.01	2.0909	1.870
27.75	1367.7	152.8	118.99	2.0811	1.871
28.00	1367.7	152.8	118.95	2.0714	1.871
28.25	1367.7	152.8	118.93	2.0619	1.871
28.50	1367.8	152.8	118.91	2.0526	1.871
28.75	1367.9	152.9	118.89	2.0435	1.871
29.00	1368.0	153.1	118.86	2.0345	1.871
29.25	1368.2	153.2	118.84	2.0256	1.872
29.50	1368.2	153.3	118.81	2.0169	1.872
29.75	1368.3	153.4	118.78	2.0084	1.872
30.00	1368.3	153.4	118.77	2.0000	1.872
30.25	1368.3	153.4	118.73	1.9917	1.872
30.50	1368.2	153.3	118.68	1.9836	1.872
30.75	1368.3	153.4	118.68	1.9756	1.872
31.00	1368.4	153.5	118.67	1.9677	1.872
31.25	1368.5	153.6	118.67	1.9600	1.873
31.50	1368.7	153.8	118.67	1.9524	1.873
31.75	1368.8	153.9	118.65	1.9449	1.874
32.00	1369.0	154.0	118.62	1.9375	1.874
32.25	1369.0	154.1	118.59	1.9302	1.874
32.50	1369.1	154.2	118.55	1.9231	1.874
32.75	1369.2	154.3	118.53	1.9160	1.875
33.00	1369.3	154.4	118.50	1.9091	1.875

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10807 D.S.T.#1 SMITH "1-20" HARRIS OIL & GAS

DATE: 12/14/97 TIME: 13:21:53

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
33.25	1369.4	154.5	118.47	1.9023	1.875
33.50	1369.5	154.6	118.46	1.8955	1.875
33.75	1369.5	154.6	118.42	1.8889	1.876
34.00	1369.5	154.6	118.40	1.8824	1.875
34.25	1369.3	154.4	118.38	1.8759	1.875
34.50	1369.2	154.3	118.36	1.8696	1.875
34.75	1369.2	154.3	118.33	1.8633	1.875
35.00	1369.3	154.4	118.31	1.8571	1.875
35.25	1369.5	154.6	118.29	1.8511	1.876
35.50	1369.7	154.8	118.27	1.8451	1.876
35.75	1369.9	155.0	118.25	1.8392	1.877
36.00	1370.0	155.1	118.23	1.8333	1.877
36.25	1370.1	155.2	118.20	1.8276	1.877
36.50	1370.2	155.3	118.18	1.8219	1.878
36.75	1370.2	155.3	118.15	1.8163	1.878
37.00	1370.2	155.3	118.13	1.8108	1.878
37.25	1370.3	155.3	118.11	1.8054	1.878
37.50	1370.3	155.4	118.08	1.8000	1.878
37.75	1370.4	155.5	118.07	1.7947	1.878
38.00	1370.5	155.6	118.04	1.7895	1.878
38.25	1370.6	155.7	118.02	1.7843	1.879
38.50	1370.6	155.7	118.00	1.7792	1.879
38.75	1370.7	155.8	117.98	1.7742	1.879
39.00	1370.6	155.7	117.96	1.7692	1.879
39.25	1370.6	155.7	117.94	1.7643	1.879
39.50	1370.7	155.8	117.92	1.7595	1.879
39.75	1370.8	155.9	117.89	1.7547	1.879
40.00	1370.8	155.9	117.88	1.7500	1.879
40.25	1370.8	155.9	117.86	1.7453	1.879
40.50	1370.9	156.0	117.83	1.7407	1.879
40.75	1371.0	156.1	117.82	1.7362	1.880
41.00	1371.1	156.2	117.79	1.7317	1.880
41.25	1371.2	156.3	117.77	1.7273	1.880
41.50	1371.2	156.3	117.75	1.7229	1.880
41.75	1371.1	156.2	117.73	1.7186	1.880
42.00	1371.0	156.1	117.71	1.7143	1.880
42.25	1370.9	156.0	117.70	1.7101	1.879
42.50	1370.8	155.9	117.67	1.7059	1.879
42.75	1370.8	155.9	117.66	1.7018	1.879
43.00	1370.7	155.8	117.64	1.6977	1.879
43.25	1370.8	155.9	117.62	1.6936	1.879
43.50	1371.0	156.1	117.60	1.6897	1.880
43.75	1371.3	156.4	117.58	1.6857	1.880
44.00	1371.5	156.6	117.56	1.6818	1.881
44.25	1371.6	156.7	117.55	1.6780	1.881
44.50	1371.8	156.9	117.52	1.6742	1.882
44.75	1371.9	157.0	117.51	1.6704	1.882
45.00	1371.9	157.0	117.49	1.6667	1.882
45.25	1372.0	157.1	117.47	1.6630	1.882
45.50	1372.0	157.1	117.47	1.6593	1.883
45.75	1372.1	157.2	117.44	1.6557	1.883

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 10807 D.S.T.#1 SMITH "1-20" HARRIS OIL & GAS
 DATE: 12/14/97 TIME: 13:21:53

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
46.00	1372.1	157.2	117.42	1.6522	1.883
46.25	1372.2	157.3	117.40	1.6486	1.883
46.50	1372.1	157.2	117.38	1.6452	1.883
46.75	1372.2	157.3	117.37	1.6417	1.883
47.00	1372.2	157.3	117.36	1.6383	1.883
47.25	1372.2	157.3	117.33	1.6349	1.883
47.50	1372.3	157.4	117.33	1.6316	1.883
47.75	1372.3	157.4	117.30	1.6283	1.883
48.00	1372.0	157.1	117.28	1.6250	1.882
48.25	1372.0	157.1	117.26	1.6218	1.882
48.50	1372.1	157.2	117.24	1.6186	1.883
48.75	1372.2	157.3	117.22	1.6154	1.883
49.00	1372.3	157.4	117.21	1.6122	1.883
49.25	1372.3	157.4	117.20	1.6091	1.883
49.50	1372.3	157.4	117.19	1.6061	1.883
49.75	1372.4	157.5	117.17	1.6030	1.884
50.00	1372.5	157.6	117.15	1.6000	1.884
50.25	1372.5	157.6	117.14	1.5970	1.884
50.50	1372.5	157.6	117.11	1.5941	1.884
50.75	1372.2	157.3	117.10	1.5911	1.883
51.00	1372.2	157.3	117.08	1.5882	1.883
51.25	1372.3	157.4	117.07	1.5854	1.883
51.50	1372.6	157.7	117.05	1.5825	1.884
51.75	1372.7	157.8	117.03	1.5797	1.884
52.00	1372.8	157.9	117.02	1.5769	1.885
52.25	1373.0	158.1	116.99	1.5742	1.885
52.50	1373.1	158.2	116.98	1.5714	1.885
52.75	1373.0	158.1	116.97	1.5687	1.885
53.00	1373.1	158.2	116.96	1.5660	1.885
53.25	1373.1	158.2	116.95	1.5634	1.885
53.50	1373.0	158.1	116.93	1.5607	1.885
53.75	1373.0	158.1	116.91	1.5581	1.885
54.00	1373.1	158.2	116.90	1.5556	1.885
54.25	1373.2	158.3	116.88	1.5530	1.886
54.50	1373.3	158.4	116.87	1.5505	1.886
54.75	1373.4	158.5	116.86	1.5479	1.886
55.00	1373.5	158.6	116.84	1.5455	1.886
55.25	1373.5	158.6	116.83	1.5430	1.887
55.50	1373.5	158.6	116.81	1.5405	1.887
55.75	1373.5	158.6	116.80	1.5381	1.887
56.00	1373.5	158.6	116.78	1.5357	1.887
56.25	1373.4	158.5	116.76	1.5333	1.886
56.50	1373.3	158.4	116.75	1.5310	1.886
56.75	1373.3	158.4	116.73	1.5286	1.886
57.00	1373.4	158.5	116.71	1.5263	1.886
57.25	1373.5	158.6	116.70	1.5240	1.887
57.50	1373.6	158.7	116.69	1.5217	1.887
57.75	1373.7	158.8	116.67	1.5195	1.887
58.00	1373.8	158.9	116.66	1.5172	1.887
58.25	1373.8	158.9	116.64	1.5150	1.887
58.50	1374.0	159.1	116.63	1.5128	1.888

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10807 D.S.T.#1 SMITH "1-20" HARRIS OIL & GAS

DATE: 12/14/97 TIME: 13:21:53

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
58.75	1374.1	159.2	116.62	1.5106	1.888
59.00	1374.2	159.3	116.60	1.5085	1.888
59.25	1374.2	159.3	116.60	1.5063	1.889
59.50	1374.3	159.4	116.58	1.5042	1.889
59.75	1374.3	159.4	116.56	1.5021	1.889
60.00	1374.3	159.4	116.55	1.5000	1.889
60.25	1374.3	159.4	116.54	1.4979	1.889
60.50	1374.4	159.5	116.52	1.4959	1.889
60.75	1374.5	159.6	116.50	1.4938	1.889
61.00	1374.5	159.6	116.49	1.4918	1.889
61.25	1374.5	159.6	116.48	1.4898	1.889
61.50	1374.7	159.8	116.47	1.4878	1.890
61.75	1374.5	159.6	116.45	1.4858	1.889
62.00	1374.5	159.6	116.44	1.4839	1.889
62.25	1374.5	159.6	116.43	1.4819	1.889
62.50	1374.5	159.6	116.41	1.4800	1.889
62.75	1374.4	159.5	116.40	1.4781	1.889
63.00	1374.4	159.5	116.39	1.4762	1.889
63.25	1374.3	159.4	116.37	1.4743	1.889
63.50	1374.4	159.5	116.36	1.4724	1.889
63.75	1374.5	159.6	116.35	1.4706	1.889
64.00	1374.5	159.6	116.34	1.4688	1.889
64.25	1374.6	159.7	116.31	1.4669	1.890
64.50	1374.6	159.7	116.31	1.4651	1.890
64.75	1374.6	159.7	116.29	1.4633	1.890
65.00	1374.6	159.7	116.28	1.4615	1.890
65.25	1374.6	159.7	116.26	1.4598	1.889
65.50	1374.5	159.6	116.25	1.4580	1.889
65.75	1374.6	159.7	116.25	1.4563	1.890
66.00	1374.6	159.7	116.23	1.4545	1.890
66.25	1374.7	159.8	116.23	1.4528	1.890
66.50	1374.7	159.8	116.21	1.4511	1.890
66.75	1374.7	159.8	116.20	1.4494	1.890
67.00	1374.8	159.9	116.17	1.4478	1.890
67.25	1374.9	160.0	116.16	1.4461	1.890
67.50	1375.0	160.1	116.14	1.4444	1.891
67.75	1375.0	160.1	116.14	1.4428	1.891
68.00	1375.0	160.1	116.13	1.4412	1.891
68.25	1375.0	160.1	116.13	1.4396	1.891
68.50	1374.9	160.0	116.11	1.4380	1.890
68.75	1375.0	160.1	116.10	1.4364	1.891
69.00	1375.1	160.2	116.09	1.4348	1.891
69.25	1375.3	160.3	116.09	1.4332	1.891
69.50	1375.3	160.4	116.06	1.4317	1.891
69.75	1375.3	160.4	116.05	1.4301	1.891
70.00	1375.3	160.4	116.04	1.4286	1.891
70.25	1375.1	160.2	116.02	1.4270	1.891
70.50	1375.2	160.2	116.01	1.4255	1.891
70.75	1375.3	160.4	116.00	1.4240	1.891
71.00	1375.3	160.4	115.98	1.4225	1.891
71.25	1375.3	160.4	115.97	1.4211	1.891

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 10807 D.S.T.#1 SMITH "1-20" HARRIS OIL & GAS
 DATE: 12/14/97 TIME: 13:21:53

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
71.50	1375.4	160.5	115.96	1.4196	1.892
71.75	1375.3	160.4	115.95	1.4181	1.892
72.00	1375.5	160.5	115.92	1.4167	1.892
72.25	1375.6	160.7	115.92	1.4152	1.892
72.50	1375.6	160.7	115.91	1.4138	1.892
72.75	1375.6	160.7	115.90	1.4124	1.892
73.00	1375.6	160.7	115.89	1.4110	1.892
73.25	1375.6	160.7	115.88	1.4096	1.892
73.50	1375.7	160.8	115.87	1.4082	1.893
73.75	1375.8	160.8	115.86	1.4068	1.893
74.00	1375.8	160.9	115.85	1.4054	1.893
74.25	1375.9	160.9	115.83	1.4040	1.893
74.50	1375.9	160.9	115.82	1.4027	1.893
74.75	1375.9	161.0	115.82	1.4013	1.893
75.00	1375.9	161.0	115.80	1.4000	1.893
75.25	1376.0	161.1	115.79	1.3987	1.893
75.50	1376.0	161.1	115.79	1.3974	1.893
75.75	1376.0	161.1	115.75	1.3960	1.893
76.00	1376.0	161.1	115.74	1.3947	1.893
76.25	1376.0	161.1	115.74	1.3934	1.893
76.50	1376.0	161.1	115.72	1.3922	1.893
76.75	1376.0	161.1	115.72	1.3909	1.893
77.00	1375.8	160.9	115.70	1.3896	1.893
77.25	1375.7	160.7	115.70	1.3883	1.892
77.50	1375.5	160.6	115.68	1.3871	1.892
77.75	1375.8	160.8	115.67	1.3859	1.893
78.00	1375.9	161.0	115.66	1.3846	1.893
78.25	1376.0	161.1	115.65	1.3834	1.893
78.50	1376.1	161.2	115.64	1.3822	1.894
78.75	1376.2	161.3	115.63	1.3810	1.894
79.00	1376.2	161.3	115.61	1.3797	1.894
79.25	1376.3	161.4	115.60	1.3785	1.894
79.50	1376.3	161.4	115.60	1.3774	1.894
79.75	1376.4	161.5	115.59	1.3762	1.894
80.00	1376.4	161.5	115.57	1.3750	1.894
80.25	1376.4	161.5	115.57	1.3738	1.895
80.50	1376.5	161.5	115.55	1.3727	1.895
80.75	1376.5	161.6	115.54	1.3715	1.895
81.00	1376.5	161.6	115.54	1.3704	1.895
81.25	1376.5	161.6	115.51	1.3692	1.895
81.50	1376.5	161.6	115.51	1.3681	1.895
81.75	1376.6	161.7	115.50	1.3670	1.895
82.00	1376.5	161.5	115.49	1.3659	1.895
82.25	1376.5	161.5	115.48	1.3647	1.895
82.50	1376.5	161.6	115.49	1.3636	1.895
82.75	1376.5	161.6	115.48	1.3625	1.895
83.00	1376.6	161.7	115.46	1.3614	1.895
83.25	1376.7	161.8	115.45	1.3604	1.895
83.50	1376.7	161.7	115.44	1.3593	1.895
83.75	1376.7	161.8	115.44	1.3582	1.895
84.00	1376.6	161.7	115.42	1.3571	1.895

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10807 D.S.T.#1 SMITH "1-20" HARRIS OIL & GAS

DATE: 12/14/97 TIME: 13:21:53

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
84.25	1376.7	161.7	115.41	1.3561	1.895
84.50	1376.8	161.8	115.41	1.3550	1.895
84.75	1376.8	161.9	115.38	1.3540	1.896
85.00	1376.9	162.0	115.39	1.3529	1.896
85.25	1377.0	162.1	115.37	1.3519	1.896
85.50	1377.0	162.0	115.36	1.3509	1.896
85.75	1377.0	162.1	115.36	1.3499	1.896
86.00	1377.1	162.2	115.34	1.3488	1.896
86.25	1377.2	162.3	115.34	1.3478	1.897
86.50	1377.3	162.4	115.33	1.3468	1.897
86.75	1377.3	162.4	115.32	1.3458	1.897
87.00	1377.3	162.4	115.32	1.3448	1.897
87.25	1377.3	162.4	115.30	1.3438	1.897
87.50	1377.5	162.6	115.29	1.3429	1.897
87.75	1377.5	162.5	115.28	1.3419	1.897
88.00	1377.5	162.5	115.27	1.3409	1.897
88.25	1377.3	162.4	115.27	1.3399	1.897
88.50	1377.3	162.4	115.25	1.3390	1.897
88.75	1377.3	162.4	115.24	1.3380	1.897
89.00	1377.4	162.4	115.24	1.3371	1.897
89.25	1377.4	162.5	115.22	1.3361	1.897
89.50	1377.4	162.5	115.23	1.3352	1.897
89.75	1377.5	162.6	115.21	1.3343	1.897
90.00	1377.6	162.6	115.21	1.3333	1.898
90.25	1377.6	162.7	115.19	1.3324	1.898
90.50	1377.6	162.7	115.17	1.3315	1.898
90.75	1377.7	162.7	115.17	1.3306	1.898
91.00	1377.7	162.7	115.16	1.3297	1.898
91.25	1377.7	162.8	115.16	1.3288	1.898
91.50	1377.8	162.9	115.15	1.3279	1.898
91.75	1377.9	162.9	115.14	1.3270	1.898
92.00	1377.9	163.0	115.13	1.3261	1.899
92.25	1377.9	163.0	115.13	1.3252	1.899
92.50	1377.9	163.0	115.11	1.3243	1.899
92.75	1377.9	163.0	115.11	1.3235	1.899
93.00	1377.9	162.9	115.10	1.3226	1.898
93.25	1377.8	162.9	115.09	1.3217	1.898
93.50	1377.7	162.8	115.07	1.3209	1.898
93.75	1377.7	162.8	115.08	1.3200	1.898
94.00	1377.7	162.8	115.06	1.3191	1.898
94.25	1377.7	162.8	115.05	1.3183	1.898
94.50	1377.7	162.8	115.06	1.3175	1.898
94.75	1377.7	162.8	115.06	1.3166	1.898
95.00	1377.7	162.8	115.05	1.3158	1.898
95.25	1377.8	162.9	115.05	1.3150	1.898
95.50	1377.8	162.9	115.02	1.3141	1.898
95.75	1377.9	163.0	115.01	1.3133	1.899
96.00	1378.0	163.0	115.01	1.3125	1.899
96.25	1378.0	163.1	115.01	1.3117	1.899
96.50	1378.0	163.1	115.00	1.3109	1.899
96.75	1378.0	163.1	114.99	1.3101	1.899

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 10807 D.S.T.#1 SMITH "1-20" HARRIS OIL & GAS
 DATE: 12/14/97 TIME: 13:21:53

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
97.00	1378.1	163.1	114.98	1.3093	1.899
97.25	1378.1	163.2	114.98	1.3085	1.899
97.50	1378.1	163.2	114.96	1.3077	1.899
97.75	1378.2	163.2	114.95	1.3069	1.899
98.00	1378.2	163.2	114.95	1.3061	1.899
98.25	1378.1	163.2	114.94	1.3053	1.899
98.50	1378.1	163.2	114.94	1.3046	1.899
98.75	1378.1	163.2	114.93	1.3038	1.899
99.00	1378.2	163.3	114.92	1.3030	1.899
99.25	1378.2	163.3	114.91	1.3023	1.899
99.50	1378.2	163.3	114.91	1.3015	1.899
99.75	1378.2	163.2	114.91	1.3008	1.899
100.00	1378.1	163.2	114.89	1.3000	1.899
100.25	1377.9	163.0	114.88	1.2993	1.899
100.50	1377.9	163.0	114.88	1.2985	1.899
100.75	1377.9	163.0	114.88	1.2978	1.899
101.00	1378.0	163.1	114.87	1.2970	1.899
101.25	1378.1	163.2	114.86	1.2963	1.899
101.50	1378.2	163.3	114.85	1.2956	1.899
101.75	1378.2	163.3	114.85	1.2948	1.900
102.00	1378.3	163.4	114.84	1.2941	1.900
102.25	1378.3	163.4	114.83	1.2934	1.900
102.50	1378.3	163.4	114.82	1.2927	1.900
102.75	1378.2	163.3	114.82	1.2920	1.899
103.00	1378.2	163.3	114.82	1.2913	1.899
103.25	1378.3	163.3	114.81	1.2906	1.900
103.50	1378.4	163.5	114.81	1.2899	1.900
103.75	1378.5	163.6	114.80	1.2892	1.900
104.00	1378.6	163.6	114.79	1.2885	1.900
104.25	1378.6	163.6	114.78	1.2878	1.900
104.50	1378.6	163.7	114.77	1.2871	1.900
104.75	1378.5	163.6	114.77	1.2864	1.900
105.00	1378.5	163.6	114.77	1.2857	1.900
105.25	1378.5	163.6	114.75	1.2850	1.900
105.50	1378.5	163.6	114.75	1.2844	1.900
105.75	1378.6	163.7	114.74	1.2837	1.901
106.00	1378.6	163.7	114.74	1.2830	1.901
106.25	1378.6	163.7	114.73	1.2824	1.901
106.50	1378.7	163.8	114.72	1.2817	1.901
106.75	1378.8	163.9	114.71	1.2810	1.901
107.00	1378.9	164.0	114.71	1.2804	1.901
107.25	1379.0	164.1	114.71	1.2797	1.902
107.50	1379.1	164.2	114.70	1.2791	1.902
107.75	1379.1	164.2	114.69	1.2784	1.902
108.00	1379.1	164.2	114.68	1.2778	1.902
108.25	1379.1	164.2	114.68	1.2771	1.902
108.50	1379.1	164.2	114.67	1.2765	1.902
108.75	1379.1	164.2	114.66	1.2759	1.902
109.00	1379.1	164.2	114.65	1.2752	1.902
109.25	1379.1	164.1	114.65	1.2746	1.902
109.50	1379.1	164.2	114.64	1.2740	1.902

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10807 D.S.T.#1 SMITH "1-20" HARRIS OIL & GAS

DATE: 12/14/97 TIME: 13:21:53

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
109.75	1379.1	164.2	114.64	1.2733	1.902
110.00	1379.2	164.3	114.63	1.2727	1.902
110.25	1379.2	164.3	114.63	1.2721	1.902
110.50	1379.3	164.4	114.62	1.2715	1.902
110.75	1379.3	164.4	114.62	1.2709	1.903
111.00	1379.3	164.4	114.62	1.2703	1.903
111.25	1379.3	164.4	114.61	1.2697	1.903
111.50	1379.4	164.5	114.60	1.2691	1.903
111.75	1379.4	164.5	114.60	1.2685	1.903
112.00	1379.4	164.5	114.59	1.2679	1.903
112.25	1379.4	164.5	114.58	1.2673	1.903
112.50	1379.4	164.5	114.58	1.2667	1.903
112.75	1379.4	164.5	114.57	1.2661	1.903
113.00	1379.4	164.5	114.57	1.2655	1.903
113.25	1379.4	164.5	114.56	1.2649	1.903
113.50	1379.4	164.5	114.56	1.2643	1.903
113.75	1379.4	164.5	114.55	1.2637	1.903
114.00	1379.4	164.5	114.55	1.2632	1.903
114.25	1379.4	164.5	114.54	1.2626	1.903
114.50	1379.4	164.5	114.54	1.2620	1.903
114.75	1379.4	164.5	114.53	1.2614	1.903
115.00	1379.4	164.5	114.53	1.2609	1.903
115.25	1379.4	164.4	114.52	1.2603	1.903
115.50	1379.3	164.3	114.53	1.2597	1.902
115.75	1379.3	164.3	114.51	1.2592	1.902
116.00	1379.3	164.4	114.51	1.2586	1.903
116.25	1379.4	164.5	114.51	1.2581	1.903
116.50	1379.5	164.6	114.50	1.2575	1.903
116.75	1379.6	164.6	114.50	1.2570	1.903
117.00	1379.6	164.7	114.48	1.2564	1.903
117.25	1379.5	164.6	114.48	1.2559	1.903
117.50	1379.5	164.6	114.48	1.2553	1.903
117.75	1379.5	164.6	114.47	1.2548	1.903
118.00	1379.6	164.7	114.47	1.2542	1.903
118.25	1379.5	164.6	114.46	1.2537	1.903
118.50	1379.7	164.7	114.46	1.2532	1.903
118.75	1379.8	164.8	114.44	1.2526	1.904
119.00	1379.8	164.9	114.44	1.2521	1.904
119.25	1379.9	165.0	114.43	1.2516	1.904
119.50	1379.9	165.0	114.43	1.2510	1.904
119.75	1379.9	165.0	114.43	1.2505	1.904
120.00	1379.9	165.0	114.43	1.2500	1.904
120.25	1379.9	165.0	114.43	1.2495	1.904
120.50	1379.9	165.0	114.43	1.2490	1.904
120.75	1380.0	165.1	114.43	1.2484	1.904
121.00	1380.1	165.2	114.43	1.2479	1.905
121.25	1380.2	165.3	114.43	1.2474	1.905
121.50	1380.2	165.3	114.43	1.2469	1.905
121.75	1380.2	165.3	114.43	1.2464	1.905
122.00	1380.1	165.2	114.42	1.2459	1.905

***** End Shut-in 1

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10807 D.S.T.#1 SMITH "1-20" HARRIS OIL & GAS

DATE: 12/14/97 TIME: 13:21:53

	Time	Pressure	delta P	Temp.	(T+dT)/dT	P^2/10^6
		PSI	PSI	DEG F		
***** Final Hydro.	303.00	2119.8	0.0	115.11		

TEST HISTORY 10807 D.S.T.#1 SMITH "1-20" HARRIS OIL & GAS

Flag Points

	t (Min.)	P (PSI)
A:	0.00	2145.18
B:	0.00	964.01
C:	30.00	1214.91
D:	122.00	1380.14
Q:	0.00	2119.80

