

WELL NAME: Kelly #1
COMPANY: Messenger Petroleum Inc.
LOCATION: 1-31s-7w
Harper County, Kansas
DATE: 9/17/98

TRILOBITE TESTING L.L.C.

OPERATOR : Messenger Pet, Inc.
 WELL NAME: Kelly #1
 LOCATION : 1-31s-7w Harper co. KS
 INTERVAL : 4320.00 To 4341.00 ft

DATE 09/15/199
 KB 1586.00 ft TICKET NO: 11850 DST #1
 GR 1577.00 ft FORMATION: Miss.
 TD 4341.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	10332	10332	2357			PF Fr. 0338 to 0408 hr
SI 60	Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 0408 to 0508 hr
SF 60	Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 0508 to 0608 hr
FS 60	Depth(ft)	4338.0	4338.0	4326.0	0.0	0.0	FS Fr. 0608 to 0708 hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	2155.0	0.0	0.0	T STARTED 0116 hr
B. First Flow	0.0	0.0	81.0	0.0	0.0	T ON BOTM 0335 hr
B1. Final Flow	0.0	0.0	88.0	0.0	0.0	T OPEN 0338 hr
C. In Shut-in	0.0	0.0	1176.0	0.0	0.0	T PULLED 0708 hr
D. Init Flow	0.0	0.0	68.0	0.0	0.0	T OUT 0845 hr
E. Final Flow	0.0	0.0	101.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	1156.0	0.0	0.0	
G. Final Hydro	0.0	0.0	2056.0	0.0	0.0	
Inside/Outside	O		I			

RECOVERY

Tot Fluid 195.00 ft of 195.00 ft in DC and 0.00 ft in DP
 135.00 ft of Gas cut mud 96% mud 4% gas
 60.00 ft of Gas cut muddy water 2% gas 48% water 50% mud
 3704.00 ft of Gas in pipe
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 SALINITY 50000.00 P.P.M. A.P.I. Gravity 0.00

TOOL DATA-----
 Tool Wt. 2100.00 lbs
 Wt Set On Packer 20000.00 lbs
 Wt Pulled Loose 110000.00 lbs
 Initial Str Wt 72000.00 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 424.00 ft
 D.P. Length 3899.00 ft

MUD DATA-----
 Mud Type Chemical
 Weight 9.20 lb/cf
 Vis. 44.00 S/L
 W.L. 10.80 in3
 F.C. 0.32 in
 Mud Drop N
 Amt. of fill 0.00 ft
 Btm. H. Temp. 130.00 F
 Hole Condition good
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00 n
 Cushion Type none
 Reversed Out N
 Tool Chased N
 Tester Darren Amerine
 Co. Rep. Jon Messenger
 Contr. Sterling
 Rig # 4
 Unit # no
 Pump T. none

BLOW DESCRIPTION

Initial Flow:
 Strong blow bottom of bucket in
 30 secs. Gas to surface in 5 mins.
 Initial Shut-in:
 Bled down for 10 mins. no blow back
 Final Flow:
 Strong blow bottom of bucket in
 15 secs. gauge gas.
 Final Shut-in:
 Bled down for 20 mins no blow back

SAMPLES: Caraway analytical 728 n.roosevelt
 SENT TO: Liberal, Ks 67901

Test Successful: Y

GAS RECOVERY

COMPANY: Messenger Pet, Inc.

DATE: 09/15/199

WELL NAME: Kelly #1

KB Elev: 1586.00 ft TICKET #11850 DST #1

WELL LOCATION: 1-31s-7w Harper co. KS

GR Elev: 1577.00 ft FORMATION: Miss.

INTERVAL Fr.: 4320.00 To 4341.00 T.D.: 4341.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Adj.choke

**** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.38	12	0	72600.0
15	0.38	16	0	86800.0
20	0.50	15	0	147000.0
25	0.50	15	0	147000.0
30	0.50	15	0	147000.0

**** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.50	17	0	159000.0
10	0.50	18	0	166000.0
15	0.50	19	0	171000.0
20	0.50	18	0	166000.0
25	0.50	18	0	166000.0
30	0.50	18	0	166000.0
35	0.50	18	0	166000.0
40	0.50	18	0	166000.0
45	0.50	18	0	166000.0
50	0.50	18	0	166000.0
55	0.50	18	0	166000.0
60	0.50	18	0	166000.0

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Kelly #1

LOCATION : 1-31s-7w Harper co. KS

TICKET No. 11850 D.S.T. No. 1 DATE 09/15/199

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 21

TOTAL TOOL 49

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.	Stands	Single	Total
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D.P. ANCHOR STND.	Stands	Single	Total
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TOTAL ASSEMBLY

D.C. ABOVE TOOLS.	Stands	7	Single	Total	424
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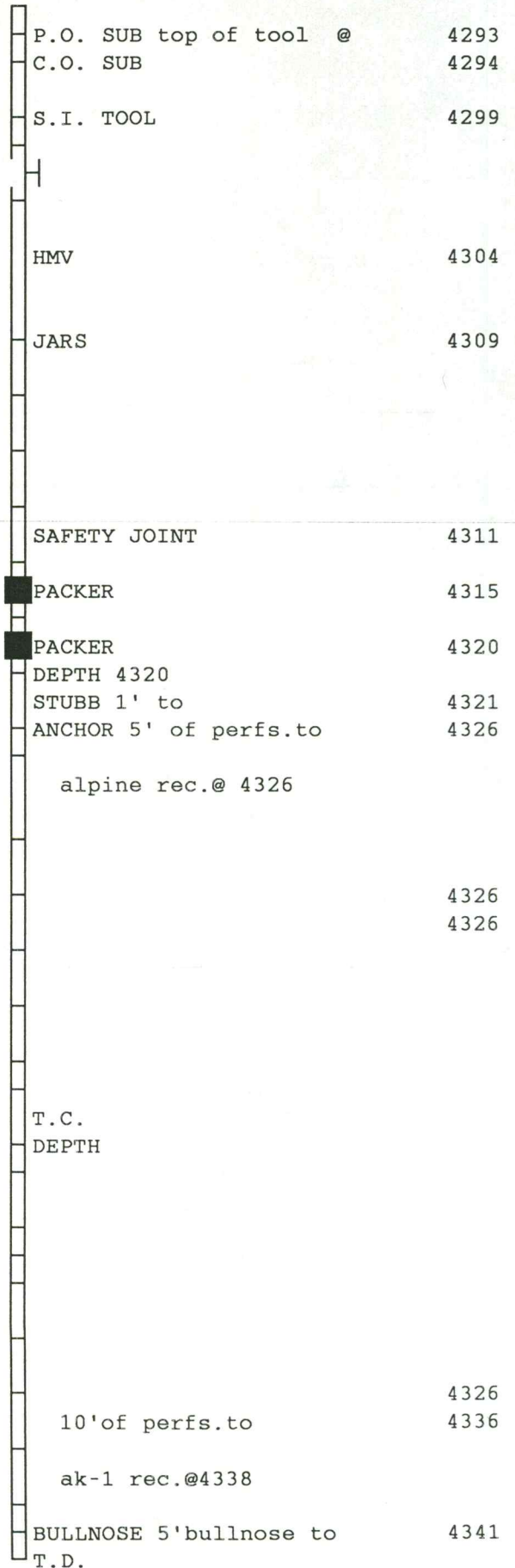
D.P. ABOVE TOOLS.	Stands	62	Single	1	Total	3899
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TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4372

TOTAL DEPTH 4341

TOTAL DRILL PIPE ABOVE K.B. 31

REMARKS:

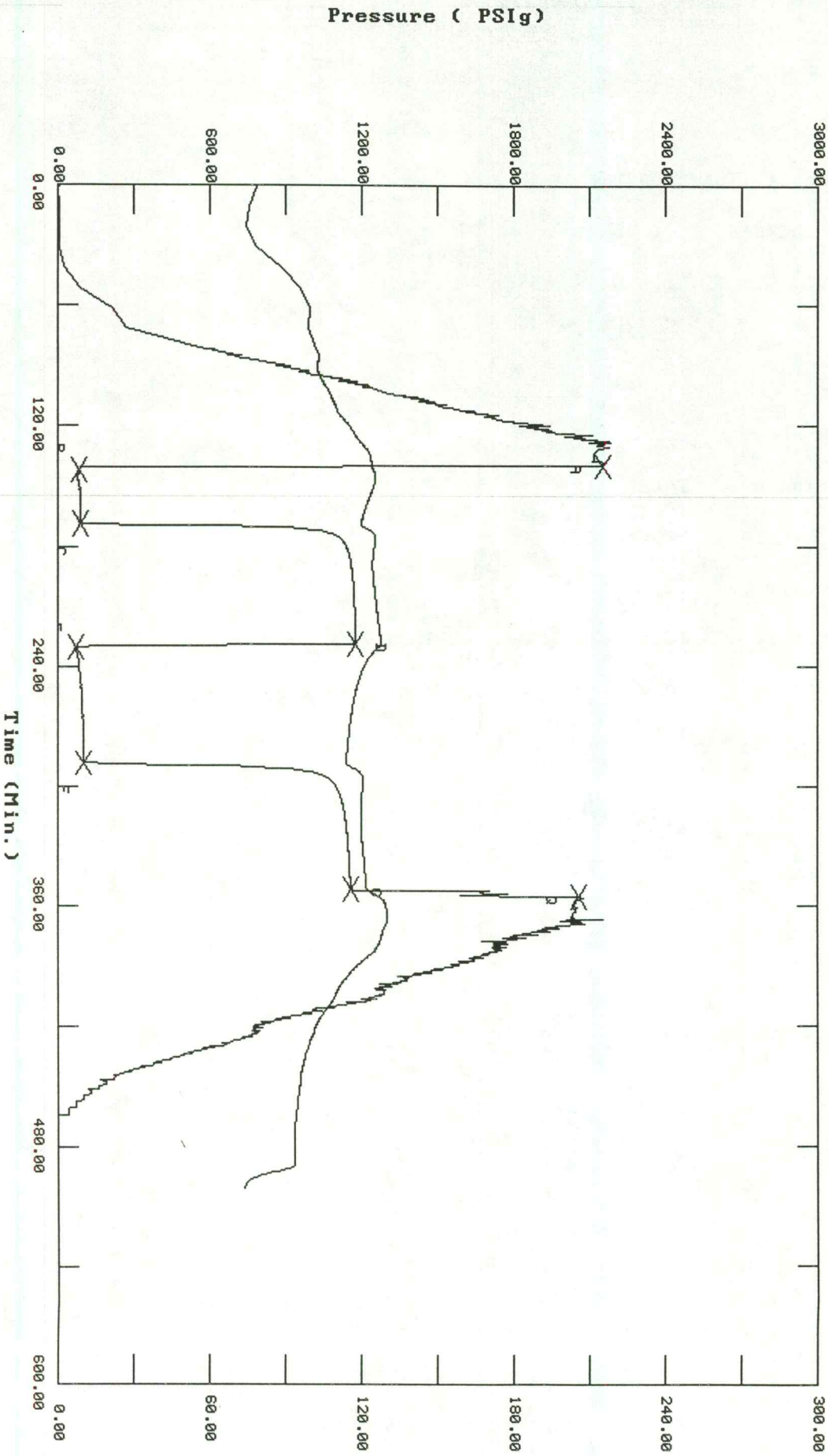


TEST HISTORY

TK#11850 DST#1 Kelly#1 Messenger Pet, Inc.

Flag Points

t(Min.)	Pc (PSig)
R: 0.00	2154.73
B: 0.00	80.73
C: 26.50	88.08
D: 60.50	1176.42
E: 0.00	68.22
F: 58.00	100.72
G: 63.00	1155.64
Q: 0.00	2056.94

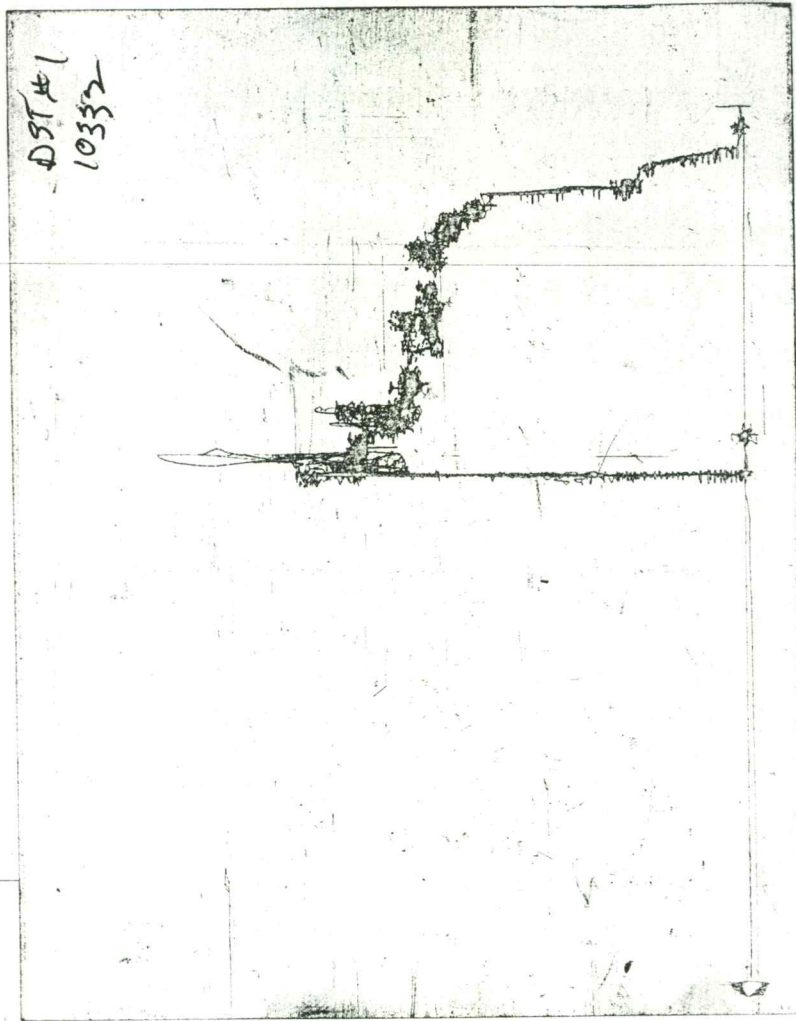


Temperature (DEG F)

Pressure (PSig)

Time (Min.)

CHART PAGE



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

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#11850 DST#1 Kelly#1 Messenger Pet, Inc.

DATE: 09/15/98 TIME: 01:18:06

	Time	Pressure PSI _g	delta P PSI _g	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	140.00	2154.7	0.0	124.09		
***** Start Flow 1	0.00	80.7	0.0	124.66		
	0.50	81.8	1.1	124.86		
	1.00	79.2	-1.5	125.05		
	1.50	79.8	-1	125.23		
	2.00	78.7	-2.0	125.34		
	2.50	74.3	-6.4	125.45		
	3.00	75.1	-5.6	125.51		
	3.50	76.0	-4.8	125.55		
	4.00	76.5	-4.2	125.53		
	4.50	77.4	-3.3	125.51		
	5.00	77.5	-3.2	125.46		
	5.50	78.9	-1.8	125.40		
	6.00	80.1	-0.6	125.32		
	6.50	81.1	0.3	125.22		
	7.00	81.6	0.9	125.11		
	7.50	82.5	1.7	124.98		
	8.00	82.0	1.2	124.85		
	8.50	83.9	3.2	124.70		
	9.00	84.9	4.1	124.55		
	9.50	84.5	3.8	124.41		
	10.00	85.4	4.7	124.25		
	10.50	87.8	7.1	124.09		
	11.00	88.4	7.7	123.94		
	11.50	88.6	7.9	123.77		
	12.00	88.8	8.1	123.61		
	12.50	89.1	8.4	123.46		
	13.00	89.0	8.2	123.29		
	13.50	88.6	7.9	123.14		
	14.00	89.3	8.6	122.98		
	14.50	89.3	8.6	122.83		
	15.00	88.7	8.0	122.68		
	15.50	87.4	6.7	122.53		
	16.00	87.7	7.0	122.39		
	16.50	86.7	6.0	122.24		
	17.00	86.1	5.4	122.09		
	17.50	86.9	6.1	121.95		
	18.00	87.1	6.3	121.80		
	18.50	86.7	5.9	121.66		
	19.00	87.1	6.4	121.52		
	19.50	88.0	7.3	121.38		
	20.00	87.2	6.4	121.25		
	20.50	87.4	6.6	121.11		
	21.00	87.1	6.4	120.98		
	21.50	86.6	5.9	120.85		
	22.00	87.9	7.1	120.72		
	22.50	87.4	6.7	120.59		
	23.00	88.7	8.0	120.47		
	23.50	88.1	7.4	120.35		
	24.00	88.1	7.3	120.23		
	24.50	87.7	7.0	120.11		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#11850 DST#1 Kelly#1 Messenger Pet, Inc.

DATE: 09/15/98

TIME: 01:18:06

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	25.00	87.7	7.0	119.98		
	25.50	87.8	7.1	119.86		
	26.00	87.7	7.0	119.75		
***** End Flow 1	26.50	88.1	7.3	119.63		
***** Start Shutin 1	0.00	88.1	0.0	119.63	0.0000	0.008
	0.50	400.7	312.6	119.67	54.0000	0.161
	1.00	649.8	561.7	120.03	27.5000	0.422
	1.50	802.9	714.9	120.61	18.6667	0.645
	2.00	901.4	813.3	121.35	14.2500	0.813
	2.50	966.8	878.8	122.15	11.6000	0.935
	3.00	1010.0	921.9	122.91	9.8333	1.020
	3.50	1039.3	951.2	123.58	8.5714	1.080
	4.00	1060.0	971.9	124.13	7.6250	1.124
	4.50	1075.3	987.2	124.54	6.8889	1.156
	5.00	1087.3	999.2	124.85	6.3000	1.182
	5.50	1096.7	1008.6	125.07	5.8182	1.203
	6.00	1104.3	1016.2	125.21	5.4167	1.219
	6.50	1110.4	1022.3	125.30	5.0769	1.233
	7.00	1115.6	1027.5	125.35	4.7857	1.245
	7.50	1119.9	1031.8	125.36	4.5333	1.254
	8.00	1123.7	1035.6	125.36	4.3125	1.263
	8.50	1126.9	1038.8	125.33	4.1176	1.270
	9.00	1129.8	1041.7	125.30	3.9444	1.276
	9.50	1132.3	1044.2	125.26	3.7895	1.282
	10.00	1134.6	1046.5	125.21	3.6500	1.287
	10.50	1136.7	1048.6	125.16	3.5238	1.292
	11.00	1138.5	1050.4	125.11	3.4091	1.296
	11.50	1140.3	1052.2	125.05	3.3043	1.300
	12.00	1141.9	1053.8	124.99	3.2083	1.304
	12.50	1143.4	1055.3	124.93	3.1200	1.307
	13.00	1144.8	1056.7	124.87	3.0385	1.311
	13.50	1146.1	1058.0	124.81	2.9630	1.314
	14.00	1147.3	1059.2	124.75	2.8929	1.316
	14.50	1148.5	1060.4	124.70	2.8276	1.319
	15.00	1149.6	1061.5	124.65	2.7667	1.322
	15.50	1150.6	1062.5	124.60	2.7097	1.324
	16.00	1151.6	1063.5	124.56	2.6562	1.326
	16.50	1152.5	1064.4	124.51	2.6061	1.328
	17.00	1153.4	1065.3	124.48	2.5588	1.330
	17.50	1154.2	1066.1	124.45	2.5143	1.332
	18.00	1155.0	1066.9	124.43	2.4722	1.334
	18.50	1155.7	1067.7	124.41	2.4324	1.336
	19.00	1156.4	1068.4	124.39	2.3947	1.337
	19.50	1157.2	1069.1	124.37	2.3590	1.339
	20.00	1157.8	1069.7	124.37	2.3250	1.340
	20.50	1158.4	1070.3	124.37	2.2927	1.342
	21.00	1159.0	1071.0	124.36	2.2619	1.343
	21.50	1159.6	1071.5	124.36	2.2326	1.345
	22.00	1160.1	1072.0	124.37	2.2045	1.346
	22.50	1160.7	1072.6	124.38	2.1778	1.347
	23.00	1161.2	1073.1	124.40	2.1522	1.348

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#11850 DST#1 Kelly#1 Messenger Pet, Inc.

DATE: 09/15/98 TIME: 01:18:06

Time	Pressure PSI _g	delta P PSI _g	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
23.50	1161.7	1073.6	124.43	2.1277	1.350
24.00	1162.2	1074.1	124.45	2.1042	1.351
24.50	1162.6	1074.6	124.48	2.0816	1.352
25.00	1163.1	1075.0	124.51	2.0600	1.353
25.50	1163.5	1075.4	124.55	2.0392	1.354
26.00	1163.9	1075.8	124.58	2.0192	1.355
26.50	1164.3	1076.2	124.61	2.0000	1.356
27.00	1164.7	1076.7	124.65	1.9815	1.357
27.50	1165.1	1077.0	124.69	1.9636	1.358
28.00	1165.5	1077.4	124.74	1.9464	1.358
28.50	1165.9	1077.8	124.78	1.9298	1.359
29.00	1166.2	1078.1	124.81	1.9138	1.360
29.50	1166.5	1078.4	124.86	1.8983	1.361
30.00	1166.9	1078.8	124.90	1.8833	1.362
30.50	1167.2	1079.1	124.94	1.8689	1.362
31.00	1167.5	1079.4	124.98	1.8548	1.363
31.50	1167.7	1079.6	125.03	1.8413	1.364
32.00	1168.0	1079.9	125.07	1.8281	1.364
32.50	1168.3	1080.2	125.11	1.8154	1.365
33.00	1168.6	1080.5	125.16	1.8030	1.366
33.50	1168.8	1080.7	125.21	1.7910	1.366
34.00	1169.1	1081.0	125.25	1.7794	1.367
34.50	1169.3	1081.3	125.31	1.7681	1.367
35.00	1169.5	1081.5	125.34	1.7571	1.368
35.50	1169.8	1081.7	125.40	1.7465	1.368
36.00	1170.0	1081.9	125.44	1.7361	1.369
36.50	1170.2	1082.1	125.49	1.7260	1.369
37.00	1170.4	1082.3	125.53	1.7162	1.370
37.50	1170.6	1082.5	125.58	1.7067	1.370
38.00	1170.8	1082.7	125.63	1.6974	1.371
38.50	1171.0	1082.9	125.68	1.6883	1.371
39.00	1171.2	1083.2	125.72	1.6795	1.372
39.50	1171.4	1083.3	125.78	1.6709	1.372
40.00	1171.6	1083.5	125.83	1.6625	1.373
40.50	1171.8	1083.7	125.86	1.6543	1.373
41.00	1171.9	1083.8	125.92	1.6463	1.373
41.50	1172.1	1084.0	125.97	1.6386	1.374
42.00	1172.3	1084.2	126.02	1.6310	1.374
42.50	1172.4	1084.3	126.07	1.6235	1.375
43.00	1172.6	1084.5	126.12	1.6163	1.375
43.50	1172.7	1084.7	126.17	1.6092	1.375
44.00	1172.9	1084.8	126.22	1.6023	1.376
44.50	1173.0	1084.9	126.27	1.5955	1.376
45.00	1173.2	1085.1	126.32	1.5889	1.376
45.50	1173.3	1085.2	126.39	1.5824	1.377
46.00	1173.4	1085.4	126.41	1.5761	1.377
46.50	1173.5	1085.5	126.46	1.5699	1.377
47.00	1173.7	1085.7	126.51	1.5638	1.378
47.50	1173.9	1085.8	126.56	1.5579	1.378
48.00	1174.0	1085.9	126.61	1.5521	1.378
48.50	1174.1	1086.0	126.67	1.5464	1.379

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

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DATE: 09/15/98

TIME: 01:18:06

Time	Pressure PSI _g	delta P PSI _g	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
49.00	1174.2	1086.2	126.72	1.5408	1.379
49.50	1174.4	1086.3	126.77	1.5354	1.379
50.00	1174.5	1086.4	126.83	1.5300	1.379
50.50	1174.6	1086.5	126.87	1.5248	1.380
51.00	1174.7	1086.6	126.94	1.5196	1.380
51.50	1174.8	1086.7	126.99	1.5146	1.380
52.00	1174.9	1086.8	127.04	1.5096	1.380
52.50	1175.0	1087.0	127.10	1.5048	1.381
53.00	1175.1	1087.0	127.15	1.5000	1.381
53.50	1175.2	1087.1	127.21	1.4953	1.381
54.00	1175.3	1087.3	127.26	1.4907	1.381
54.50	1175.4	1087.4	127.32	1.4862	1.382
55.00	1175.5	1087.4	127.37	1.4818	1.382
55.50	1175.6	1087.5	127.42	1.4775	1.382
56.00	1175.7	1087.6	127.47	1.4732	1.382
56.50	1175.8	1087.7	127.53	1.4690	1.382
57.00	1175.9	1087.8	127.58	1.4649	1.383
57.50	1176.0	1087.9	127.63	1.4609	1.383
58.00	1176.0	1087.9	127.68	1.4569	1.383
58.50	1176.1	1088.0	127.73	1.4530	1.383
59.00	1176.2	1088.1	127.77	1.4492	1.384
59.50	1176.3	1088.2	127.82	1.4454	1.384
60.00	1176.4	1088.3	127.88	1.4417	1.384
60.50	1176.4	1088.3	127.92	1.4380	1.384
***** End Shut-in 1					
***** Start Flow 2					
0.00	68.2	0.0	126.60		
0.50	71.5	3.3	126.11		
1.00	69.8	1.6	125.66		
1.50	70.9	2.7	125.28		
2.00	72.3	4.1	124.91		
2.50	73.7	5.5	124.58		
3.00	73.6	5.4	124.26		
3.50	75.3	7.1	123.95		
4.00	75.3	7.1	123.66		
4.50	76.6	8.4	123.38		
5.00	76.9	8.7	123.12		
5.50	77.7	9.5	122.86		
6.00	80.3	12.1	122.62		
6.50	79.4	11.2	122.37		
7.00	80.6	12.3	122.14		
7.50	80.2	12.0	121.91		
8.00	81.4	13.2	121.69		
8.50	81.4	13.2	121.49		
9.00	83.2	15.0	121.28		
9.50	84.0	15.7	121.08		
10.00	83.0	14.8	120.89		
10.50	83.3	15.1	120.70		
11.00	84.5	16.2	120.52		
11.50	83.9	15.6	120.34		
12.00	84.6	16.4	120.17		
12.50	85.4	17.2	120.01		
13.00	86.1	17.9	119.85		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#11850 DST#1 Kelly#1 Messenger Pet, Inc.

DATE: 09/15/98

TIME: 01:18:06

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
13.50	86.9	18.6	119.69		
14.00	86.9	18.7	119.54		
14.50	87.1	18.9	119.25		
15.00	87.8	19.6	119.20		
15.50	88.1	19.9	119.17		
16.00	88.5	20.3	119.13		
16.50	88.6	20.3	118.88		
17.00	89.0	20.8	118.75		
17.50	89.6	21.3	118.63		
18.00	90.7	22.5	118.51		
18.50	91.1	22.9	118.39		
19.00	90.9	22.7	118.27		
19.50	90.6	22.4	118.16		
20.00	90.7	22.5	118.05		
20.50	90.8	22.6	117.94		
21.00	91.4	23.2	117.84		
21.50	92.0	23.8	117.74		
22.00	93.5	25.3	117.65		
22.50	93.4	25.2	117.55		
23.00	93.8	25.6	117.47		
23.50	93.5	25.3	117.38		
24.00	93.5	25.3	117.29		
24.50	94.2	26.0	117.22		
25.00	94.5	26.2	117.14		
25.50	94.0	25.8	117.06		
26.00	94.4	26.1	116.98		
26.50	94.8	26.6	116.91		
27.00	94.6	26.4	116.83		
27.50	95.3	27.1	116.76		
28.00	95.3	27.1	116.68		
28.50	95.1	26.9	116.61		
29.00	95.0	26.8	116.53		
29.50	95.4	27.2	116.47		
30.00	95.0	26.8	116.39		
30.50	95.3	27.1	116.33		
31.00	96.1	27.8	116.27		
31.50	95.9	27.7	116.20		
32.00	96.5	28.3	116.14		
32.50	96.7	28.5	116.08		
33.00	95.8	27.6	116.02		
33.50	96.3	28.1	115.96		
34.00	96.9	28.7	115.90		
34.50	97.2	29.0	115.85		
35.00	96.4	28.2	115.78		
35.50	96.7	28.5	115.73		
36.00	97.4	29.2	115.67		
36.50	97.5	29.3	115.61		
37.00	98.0	29.8	115.55		
37.50	97.7	29.4	115.49		
38.00	98.0	29.7	115.44		
38.50	98.1	29.9	115.39		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#11850 DST#1 Kelly#1 Messenger Pet, Inc.

DATE: 09/15/98

TIME: 01:18:06

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
39.00	97.9	29.6	115.33		
39.50	97.5	29.3	115.29		
40.00	98.7	30.5	115.24		
40.50	98.0	29.7	115.19		
41.00	98.0	29.8	115.15		
41.50	97.9	29.7	115.10		
42.00	97.4	29.2	115.06		
42.50	98.1	29.9	115.02		
43.00	97.6	29.3	114.98		
43.50	97.9	29.7	114.93		
44.00	98.4	30.1	114.89		
44.50	97.9	29.7	114.85		
45.00	98.9	30.7	114.82		
45.50	98.9	30.7	114.77		
46.00	97.8	29.5	114.74		
46.50	98.3	30.1	114.70		
47.00	98.5	30.3	114.66		
47.50	99.1	30.9	114.62		
48.00	98.8	30.6	114.58		
48.50	99.3	31.1	114.54		
49.00	99.2	31.0	114.51		
49.50	99.0	30.8	114.47		
50.00	99.2	30.9	114.43		
50.50	99.8	31.6	114.38		
51.00	99.5	31.3	114.34		
51.50	99.7	31.4	114.32		
52.00	99.3	31.1	114.27		
52.50	99.7	31.5	114.23		
53.00	100.3	32.1	114.20		
53.50	99.5	31.3	114.16		
54.00	99.7	31.4	114.13		
54.50	99.7	31.5	114.09		
55.00	100	31.8	114.06		
55.50	100.8	32.5	114.03		
56.00	100.7	32.5	114.00		
56.50	100.5	32.3	113.98		
57.00	100.5	32.3	113.98		
57.50	100.9	32.7	113.99		
58.00	100.7	32.5	114.01		

***** End Flow`2

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
0.00	100.7	0.0	114.01	0.0000	0.010
0.50	217.8	117.1	114.06	170.0000	0.047
1.00	486.3	385.6	114.44	85.5000	0.236
1.50	661.9	561.2	115.05	57.3333	0.438
2.00	780.1	679.4	115.84	43.2500	0.609
2.50	860.8	760.1	116.69	34.8000	0.741
3.00	916.5	815.7	117.49	29.1667	0.840
3.50	955.7	855.0	118.20	25.1429	0.913
4.00	984.1	883.4	118.77	22.1250	0.968
4.50	1005.3	904.6	119.26	19.7778	1.011
5.00	1021.5	920.8	119.62	17.9000	1.043
5.50	1034.3	933.6	119.89	16.3636	1.070

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#11850 DST#1 Kelly#1 Messenger Pet, Inc.

DATE: 09/15/98

TIME: 01:18:06

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
6.00	1044.8	944.1	120.10	15.0833	1.092
6.50	1053.5	952.8	120.29	14.0000	1.110
7.00	1060.9	960.2	120.42	13.0714	1.126
7.50	1067.2	966.5	120.50	12.2667	1.139
8.00	1072.6	971.9	120.56	11.5625	1.151
8.50	1077.4	976.7	120.59	10.9412	1.161
9.00	1081.7	980.9	120.61	10.3889	1.170
9.50	1085.4	984.7	120.62	9.8947	1.178
10.00	1088.8	988.0	120.61	9.4500	1.185
10.50	1091.8	991.1	120.58	9.0476	1.192
11.00	1094.6	993.9	120.55	8.6818	1.198
11.50	1097.2	996.5	120.52	8.3478	1.204
12.00	1099.6	998.8	120.47	8.0417	1.209
12.50	1101.8	1001.1	120.42	7.7600	1.214
13.00	1103.8	1003.1	120.38	7.5000	1.218
13.50	1105.8	1005.1	120.33	7.2593	1.223
14.00	1107.6	1006.9	120.28	7.0357	1.227
14.50	1109.4	1008.7	120.24	6.8276	1.231
15.00	1111.0	1010.2	120.19	6.6333	1.234
15.50	1112.5	1011.8	120.15	6.4516	1.238
16.00	1114.0	1013.3	120.11	6.2812	1.241
16.50	1115.4	1014.7	120.07	6.1212	1.244
17.00	1116.7	1016.0	120.05	5.9706	1.247
17.50	1118.0	1017.2	120.02	5.8286	1.250
18.00	1119.1	1018.4	119.99	5.6944	1.252
18.50	1120.3	1019.6	119.97	5.5676	1.255
19.00	1121.4	1020.6	119.93	5.4474	1.257
19.50	1122.4	1021.6	119.92	5.3333	1.260
20.00	1123.3	1022.6	119.89	5.2250	1.262
20.50	1124.4	1023.6	119.87	5.1220	1.264
21.00	1125.2	1024.5	119.85	5.0238	1.266
21.50	1126.2	1025.5	119.83	4.9302	1.268
22.00	1127.0	1026.3	119.81	4.8409	1.270
22.50	1127.9	1027.2	119.79	4.7556	1.272
23.00	1128.7	1028.0	119.78	4.6739	1.274
23.50	1129.5	1028.7	119.77	4.5957	1.276
24.00	1130.2	1029.5	119.75	4.5208	1.277
24.50	1131.0	1030.3	119.75	4.4490	1.279
25.00	1131.7	1031.0	119.75	4.3800	1.281
25.50	1132.4	1031.6	119.75	4.3137	1.282
26.00	1133.0	1032.3	119.75	4.2500	1.284
26.50	1133.6	1032.9	119.75	4.1887	1.285
27.00	1134.3	1033.6	119.76	4.1296	1.287
27.50	1134.9	1034.2	119.77	4.0727	1.288
28.00	1135.5	1034.8	119.77	4.0179	1.289
28.50	1136.0	1035.3	119.78	3.9649	1.291
29.00	1136.6	1035.9	119.79	3.9138	1.292
29.50	1137.2	1036.5	119.82	3.8644	1.293
30.00	1137.7	1037.0	119.81	3.8167	1.294
30.50	1138.2	1037.5	119.83	3.7705	1.295
31.00	1138.7	1038.0	119.85	3.7258	1.297

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#11850 DST#1 Kelly#1 Messenger Pet, Inc.

DATE: 09/15/98

TIME: 01:18:06

Time	Pressure PSI _g	delta P PSI _g	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
31.50	1139.2	1038.5	119.87	3.6825	1.298
32.00	1139.7	1038.9	119.88	3.6406	1.299
32.50	1140.1	1039.4	119.90	3.6000	1.300
33.00	1140.5	1039.8	119.91	3.5606	1.301
33.50	1141.0	1040.3	119.94	3.5224	1.302
34.00	1141.5	1040.7	119.96	3.4853	1.303
34.50	1141.9	1041.2	119.98	3.4493	1.304
35.00	1142.3	1041.6	120.01	3.4143	1.305
35.50	1142.7	1042.0	120.02	3.3803	1.306
36.00	1143.0	1042.3	120.05	3.3472	1.307
36.50	1143.4	1042.7	120.08	3.3151	1.307
37.00	1143.8	1043.1	120.10	3.2838	1.308
37.50	1144.2	1043.4	120.13	3.2533	1.309
38.00	1144.5	1043.8	120.16	3.2237	1.310
38.50	1144.9	1044.2	120.19	3.1948	1.311
39.00	1145.3	1044.6	120.21	3.1667	1.312
39.50	1145.6	1044.9	120.25	3.1392	1.312
40.00	1145.9	1045.2	120.28	3.1125	1.313
40.50	1146.2	1045.5	120.31	3.0864	1.314
41.00	1146.6	1045.9	120.35	3.0610	1.315
41.50	1146.9	1046.2	120.38	3.0361	1.315
42.00	1147.2	1046.5	120.42	3.0119	1.316
42.50	1147.5	1046.8	120.46	2.9882	1.317
43.00	1147.8	1047.1	120.50	2.9651	1.318
43.50	1148.1	1047.4	120.53	2.9425	1.318
44.00	1148.4	1047.7	120.57	2.9205	1.319
44.50	1148.7	1048.0	120.61	2.8989	1.319
45.00	1149.0	1048.2	120.66	2.8778	1.320
45.50	1149.3	1048.5	120.70	2.8571	1.321
46.00	1149.5	1048.8	120.74	2.8370	1.321
46.50	1149.8	1049.0	120.78	2.8172	1.322
47.00	1150.0	1049.3	120.83	2.7979	1.322
47.50	1150.2	1049.5	120.86	2.7789	1.323
48.00	1150.5	1049.8	120.90	2.7604	1.324
48.50	1150.7	1050.0	120.94	2.7423	1.324
49.00	1151.0	1050.2	120.98	2.7245	1.325
49.50	1151.1	1050.4	121.02	2.7071	1.325
50.00	1151.4	1050.7	121.06	2.6900	1.326
50.50	1151.6	1050.9	121.10	2.6733	1.326
51.00	1151.8	1051.1	121.13	2.6569	1.327
51.50	1152.1	1051.3	121.17	2.6408	1.327
52.00	1152.3	1051.6	121.21	2.6250	1.328
52.50	1152.5	1051.8	121.27	2.6095	1.328
53.00	1152.7	1052.0	121.26	2.5943	1.329
53.50	1152.9	1052.2	121.31	2.5794	1.329
54.00	1153.1	1052.3	121.35	2.5648	1.330
54.50	1153.3	1052.5	121.39	2.5505	1.330
55.00	1153.5	1052.7	121.43	2.5364	1.330
55.50	1153.7	1053.0	121.46	2.5225	1.331
56.00	1153.9	1053.1	121.50	2.5089	1.331
56.50	1154.1	1053.3	121.54	2.4956	1.332

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#11850 DST#1 Kelly#1 Messenger Pet, Inc.

DATE: 09/15/98

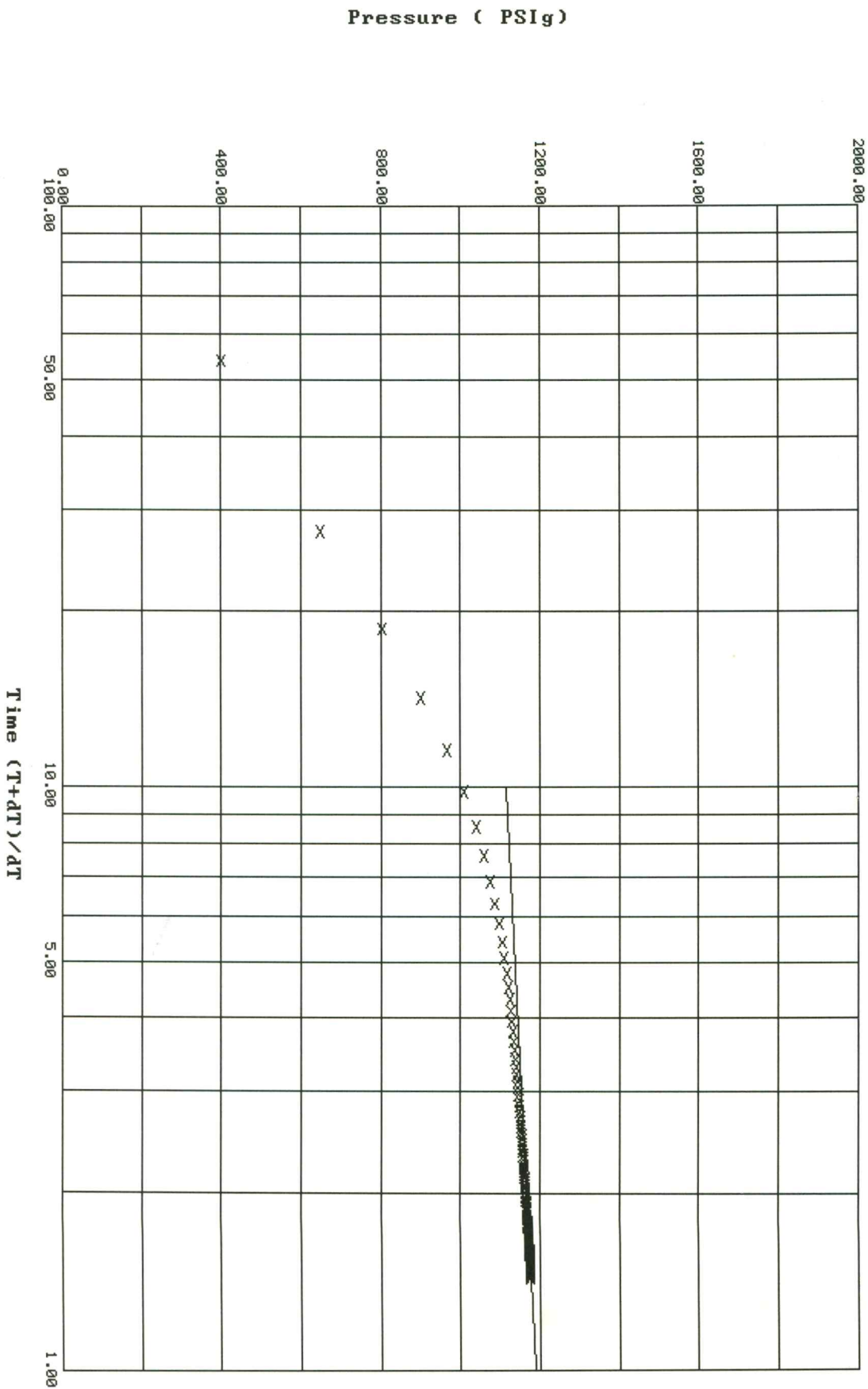
TIME: 01:18:06

	Time	Pressure PSI _g	delta P PSI _g	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶	
	57.00	1154.2	1053.5	121.57	2.4825	1.332	
	57.50	1154.4	1053.7	121.61	2.4696	1.333	
	58.00	1154.6	1053.9	121.65	2.4569	1.333	
	58.50	1154.8	1054.1	121.68	2.4444	1.334	
	59.00	1155.0	1054.2	121.72	2.4322	1.334	
	59.50	1155.2	1054.5	121.76	2.4202	1.334	
	60.00	1155.3	1054.6	121.80	2.4083	1.335	
	60.50	1155.5	1054.8	121.84	2.3967	1.335	
	61.00	1155.7	1055.0	121.88	2.3852	1.336	
	61.50	1155.8	1055.1	121.92	2.3740	1.336	
	62.00	1156.0	1055.3	121.96	2.3629	1.336	
	62.50	1156.2	1055.5	122.01	2.3520	1.337	
*****	End Shut-in 2	63.00	1155.6	1054.9	122.04	2.3413	1.335
*****	Final Hydro.	355.50	2056.9	0.0	127.18		

Horner Plot: shut-in #1

TK#11850 DST#1 Kelly#1 Messenger Pet, Inc.

Slope: 72.7204 PSig/cycle
Ext. Pressure: 1187.9265 PSig



Horner Plot: Shut-in #2

TK#11850 DST#1 Kelly#1 Messenger Pet, Inc.

Slope: 81.0296 PSig/cycle
Ext. Pressure: 1186.2062 PSig

