

**WELL NAME:** 1-X Silverson  
**COMPANY:** Western Operating Company  
**LOCATION:** 23-20S-42W  
Greely County, Kansas  
**DATE:** 6/25/98

TRILOBITE TESTING L.L.C.

OPERATOR : Western Operating Co. DATE 6-18-98  
 WELL NAME: 1-X Siverson KB 3751.00 ft TICKET NO: 10679 DST #1  
 LOCATION : 23-20s-42w Greely co. KS GR 3739.00 ft FORMATION: Morrow  
 INTERVAL : 5024.00 To 5154.00 ft TD 5154.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	10333	10333	3026			PF Fr. 1251 to 1321 hr
SI 60	Range(Psi )	4550.0	4550.0	4995.0	0.0	0.0	IS Fr. 1321 to 1421 hr
SF 90	Clock(hrs)	12hr	12hr	elect			SF Fr. 1421 to 1551 hr
FS 120	Depth(ft )	5154.0	5154.0	5126.0	0.0	0.0	FS Fr. 1551 to 1751 hr

	Field	1	2	3	4	
A. Init Hydro	2467.0	2467.0	2399.0	0.0	0.0	T STARTED 1025 hr
B. First Flow	0.0	0.0	1067.0	0.0	0.0	T ON BOTM 1249 hr
B1. Final Flow	0.0	0.0	1067.0	0.0	0.0	T OPEN 1251 hr
C. In Shut-in	0.0	0.0	1106.0	0.0	0.0	T PULLED 1751 hr
D. Init Flow	0.0	0.0	1076.0	0.0	0.0	T OUT 2058 hr
E. Final Flow	0.0	0.0	1071.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	1106.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2244.0	2244.0	2316.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 24000.00 lbs
						Wt Pulled Loose 120000.00 lbs
						Initial Str Wt 84000.00 lbs
						Unseated Str Wt 88000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.38 in
						D.C. Length 558.00 ft
						D.P. Length 4480.00 ft

RECOVERY

Tot Fluid 603.00 ft of 558.00 ft in DC and 45.00 ft in DP  
 324.00 ft of mud 100%  
 279.00 ft of Gas cut mud 5% gas 95% mud  
 0.00 ft of  
 0.00 ft of

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

BLOW DESCRIPTION

Initial Flow:  
 Strong blow bottom of bucket in 1 min. Gas to surface in 6 mins.  
 Gas will burn  
 Initial Shut-in:  
 Weak surface blow thoughtout  
 Final Flow:  
 Bottom of bucket as soon as open

SAMPLES: Yes  
 SENT TO: Caraway Analytical

Test Successful: Y

MUD DATA-----  
 Mud Type chemical  
 Weight 9.00 lb/c  
 Vis. 55.00 S/L  
 W.L. 7.20 in3  
 F.C. 0.00 in  
 Mud Drop Y 40.0 ft  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 150.00 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 Scott Bugbee  
 Co. Rep. Pete Debenham  
 Contr. Murfin  
 Rig # 25  
 Unit #  
 Pump T.

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

WELL NAME: 1-X Siverson  
 LOCATION : 23-20s-42w  
 TICKET No. 10679 D.S.T. No. 1 DATE 6-18-98  
 TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 30  
 INTERVAL TOOL .....  
 BOTTOM PACKERS AND ANCHOR ..... 37  
 TOTAL TOOL ..... 67  
 DRILL COLLAR ANCHOR IN INTERVAL .....  
 D.C. ANCHOR STND.Stands Single Total  
 D.P. ANCHOR STND.Stands 1 Single Total 93  
 TOTAL ASSEMBLY ..... 130  
 D.C. ABOVE TOOLS.Stands6 Single Total 558  
 D.P. ABOVE TOOLS.Stands42 Single 1 Total 4480  
 TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5168  
 TOTAL DEPTH ..... 5154  
 TOTAL DRILL PIPE ABOVE K.B. .... 14  
 REMARKS:  
 Sampler Data  
 1000 Psi  
 11.7 CFG.

P.O. SUB Top of tool	4994
C.O. SUB 1' DP	4995
S.I. TOOL 5'	5000
3' Sampler	5003
HMV 5'	5008
JARS 5'	5013
SAFETY JOINT 2'	5015
PACKER 5'	5020
PACKER 5'	5024
DEPTH 5024	
STUBB 1'	5025
ANCHOR	
1' perf	5026
1'c/o sub	5027
93' D pipe	5120
1' c/o sub	5121
5' pickup sub	5126
T.C.	
DEPTH	
Alpine Rec.	5126
23' perf	5149
AK1 rec	5154
BULLNOSE	
T.D. 5'	5154

GAS RECOVERY  
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COMPANY: Western Operating Co.

DATE: 6-18-98

WELL NAME: 1-X Silverson

KB Elev: 3751.00 ft TICKET #10679 DST #1

WELL LOCATION: 23-20s-42w

GR Elev: 3739.00 ft FORMATION: Morrow

INTERVAL Fr.: 5024.00 To 5154.00 T.D.: 5154.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla-side static

\*\*\*\*\* GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	1.00	86	0	5901000.0
15	1.00	86	0	5901000.0
20	1.00	96	0	6498000.0
25	1.00	102	0	6900000.0
30	1.00	102	0	6900000.0

\*\*\*\*\* GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	2.00	60	0	13118000.0
20	2.00	60	0	13118000.0
30	2.00	50	0	11366000.0
40	2.00	50	0	11366000.0
50	2.00	50	0	11366000.0
60	2.00	40	0	10468000.0
70	2.00	40	0	10468000.0
80	2.00	40	0	10468000.0
90	2.00	40	0	10468000.0

## NATURAL GAS ANALYSIS REPORT

Sampled by:  
Trilobite Testing, L. L. C.  
Hays, Kansas  
Scott City, Kansas  
Phone: 800-728-5369  
Fax: 913-625-5620

Analyzed by:  
Caraway Analytical, Inc  
P. O. Box 2137  
Liberal, Kansas 67905  
Phone: 316-624-5389  
Fax: 316-626-7108

Lab Number:	982324	Analyzed:	06/19/98
Sample From:	1-X Silverson DST 1	Pressure:	
Producer:	Western Operating	Temperature:	
Date:		Location:	23-20-42
Time:		County:	Greeley
Sampler:		State:	Kansas
Source:		Formation:	Morrow

	Mole %	GPM
Helium	He: 1.398	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 45.313	0.000
Carbon Dioxide	CO2: 0.408	0.000
Methane	C1: 42.733	0.000
Ethane	C2: 5.389	1.441
Propane	C3: 2.825	0.778
Iso Butane	iC4: 0.346	0.113
Normal Butane	nC4: 0.625	0.197
Iso Pentane	iC5: 0.186	0.068
Normal Pentane	nC5: 0.178	0.064
Hexanes Plus	C6+: 0.599	0.261
TOTAL:	100.000	2.924
Z Fact:	0.9985	
SP.GR.:	0.8315	
BTU (SAT):	665.8 @ 14.73 psia	
BTU (DRY):	677.6 @ 14.73 psia	
OCTANE RATING:	65.1	

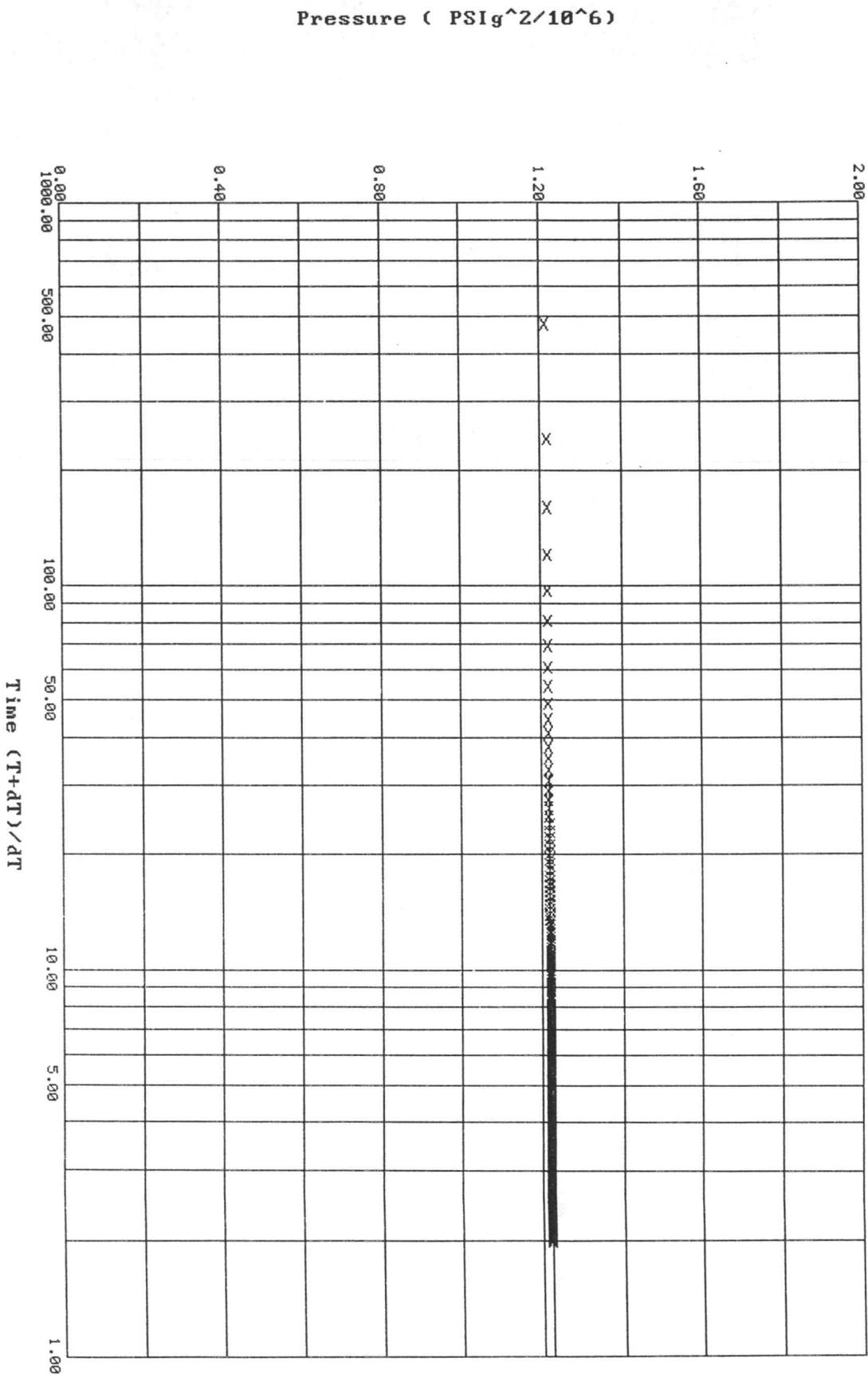
COMMENTS:

0.000

# P<sup>2</sup> Horner Plot: Shut-in #2

10679 Dst#1 Western Operating Co. 1-X Siverson

Slope: 0.0020 PSig<sup>2</sup>/10<sup>6</sup>/cycle  
Ext. Pressure: 1105.8101 PSig

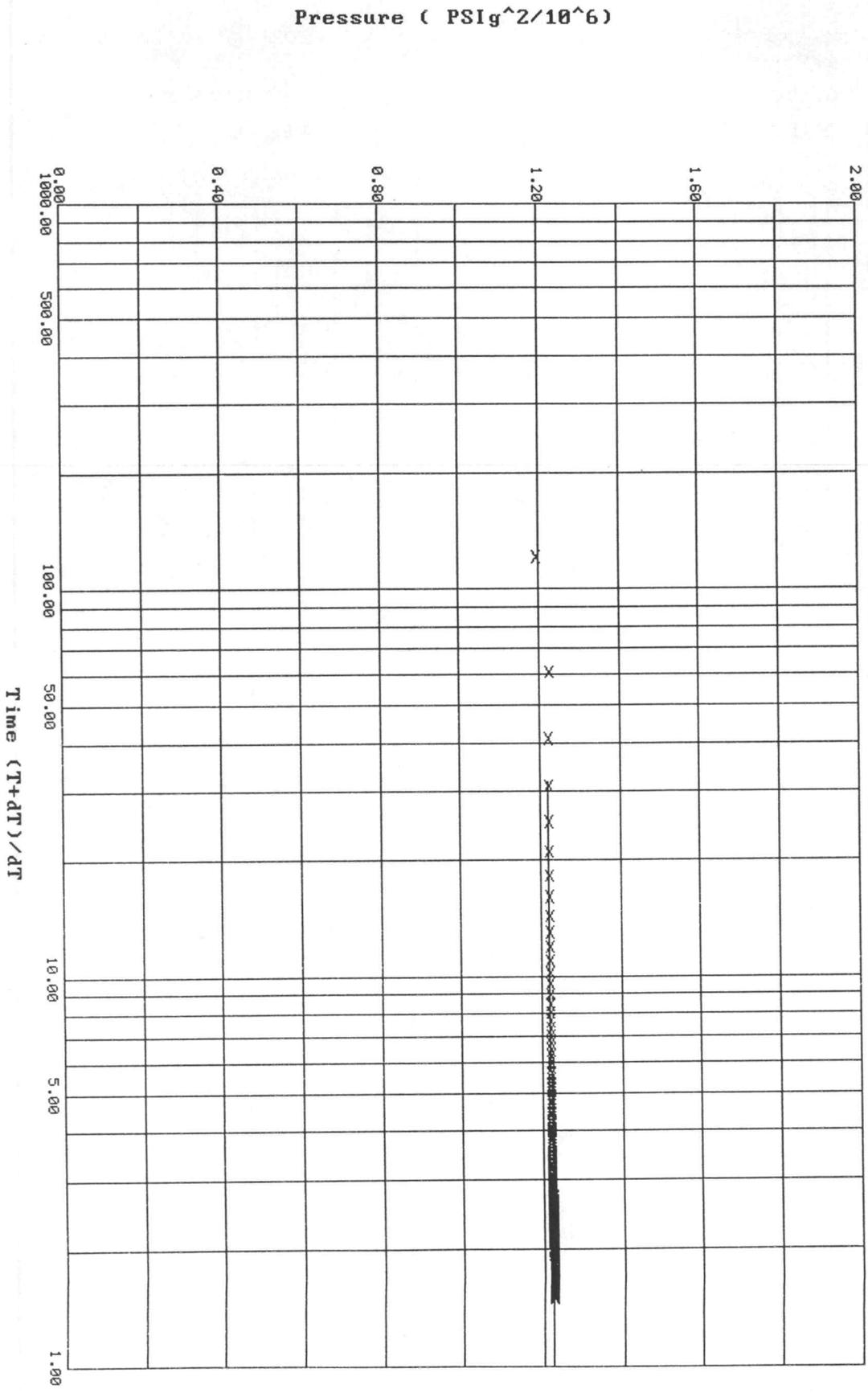


# P<sup>2</sup> Horner Plot: Shut-in #1

10679 Dst#1 Western Operating Co. 1-X Siverson

Slope: 0.0048 PSig<sup>2</sup>/10<sup>6</sup>/cycle

Ext. Pressure: 1106.9888 PSig



Operator.....: Western Operating Co.  
Well Name.....: 1-X Silverton  
DST Number.....: 1

Location.: 23-20S-42W                      Recorder No...: 3026  
Test Type: conv                              Recorder Depth: 5126  
Formation: Morrow                          Test Interval.: 5024-5154

RESERVOIR CALCULATIONS: Gas calculations based on shut-in #2

RESERVOIR PARAMETERS USED:

Net Pay.....: 25.00 ft  
Porosity.....: 24.00 %  
Bottom Hole Temp.....: 150.00 F  
Specific Gravity.....: 0.832  
Z factor.....: .9985  
Compressibility.....: 0.000970 /psi  
Viscosity.....: 0.0136 cp  
Total Flowing Time.....: 120.00 min.  
Flow Rate.....: 10468.00 mcf  
Final Flowing Pressure.....: 1071.00 psi  
Horner Slope.....: 0.0020 \*10<sup>6</sup> psi<sup>2</sup>/cycle  
Extrapolated Pressure.....: 1105.81 psi  
Assumed Drainage Radius....: 1500.00 ft  
Well Bore Radius.....: 3.94 in

RESULTS:

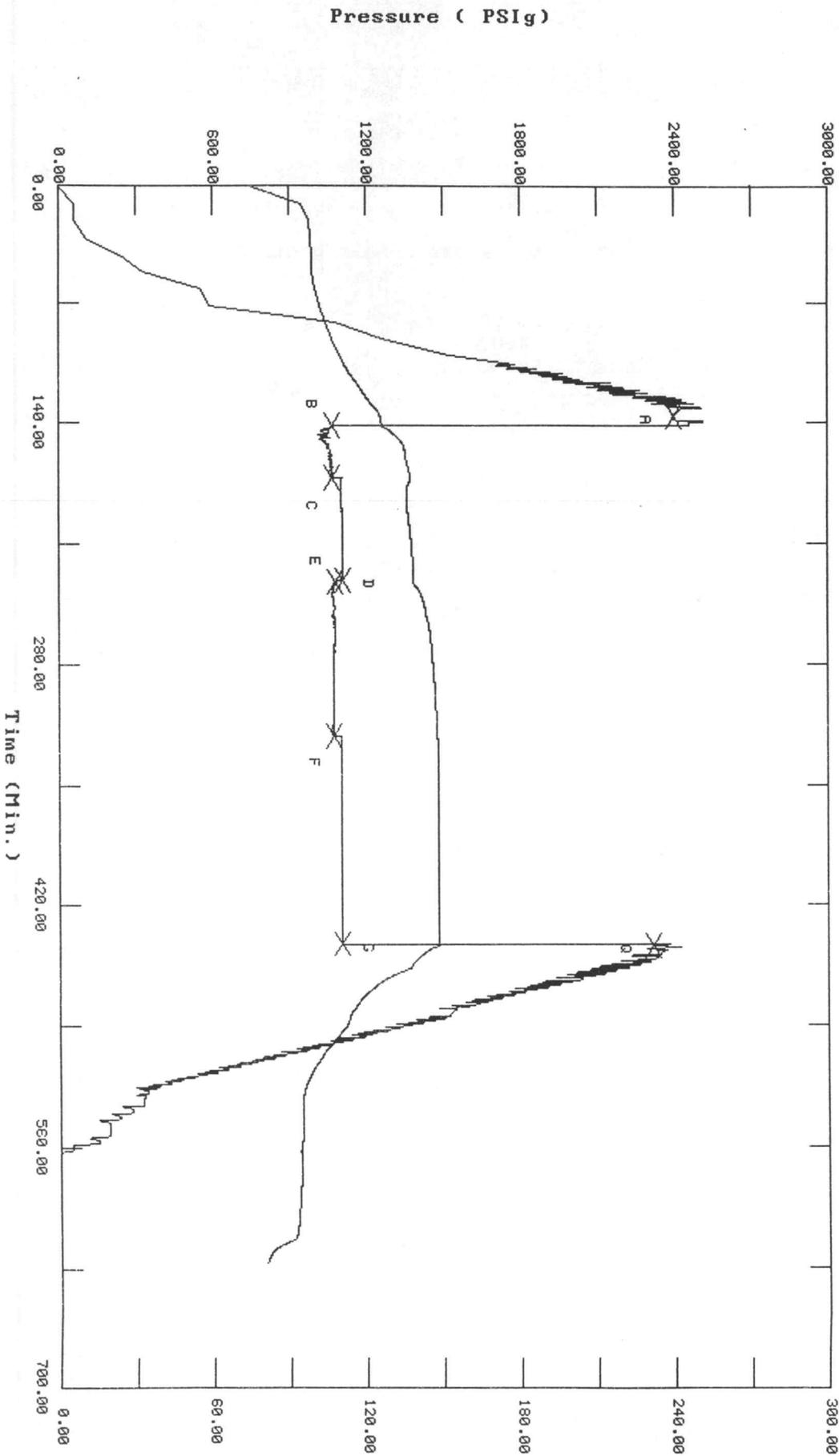
Effective Permeability.....: 2837.097917 md  
Flow Capacity.....: 70927.4479 md.ft  
Transmissibility.....: 5215253.5246 md.ft/cp  
Skin Factor.....: 38.0435  
Pressure Drop Across Skin.....: 30.4357 psi  
Radius of Investigation.....: 1227.8180 ft  
Damage Ratio.....: 5.7292  
Absolute Open Flow.....: 168894.7066 mcf  
Absolute Open Flow W/O Damage.: 967634.6562 mcf  
Estimated Stabilized AOF.....: 611077.7248 mcf

□

TEST HISTORY  
 10679 Dst#1 Western Operating Co. 1-X Siverson

Flag Points  
 t (Min.) P (PSIg)

A:	0.00	2399.87
B:	0.00	1067.26
C:	30.00	1067.84
D:	59.75	1106.45
E:	0.00	1076.13
F:	89.75	1071.12
G:	120.75	1105.54
Q:	0.00	2316.31



# TEST HISTORY

10679 Dst#1 Western Operating Co. 1-X Siverson

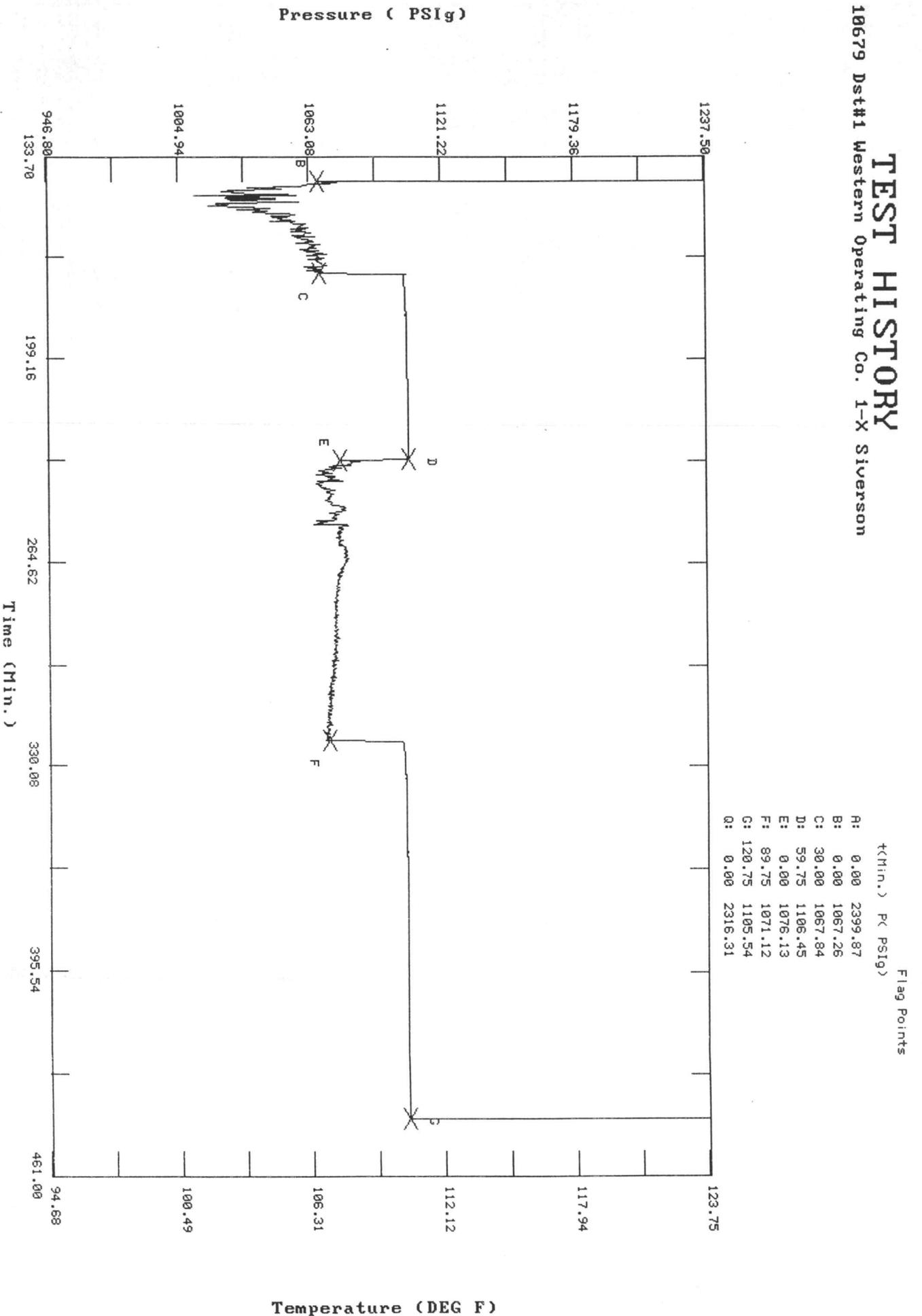
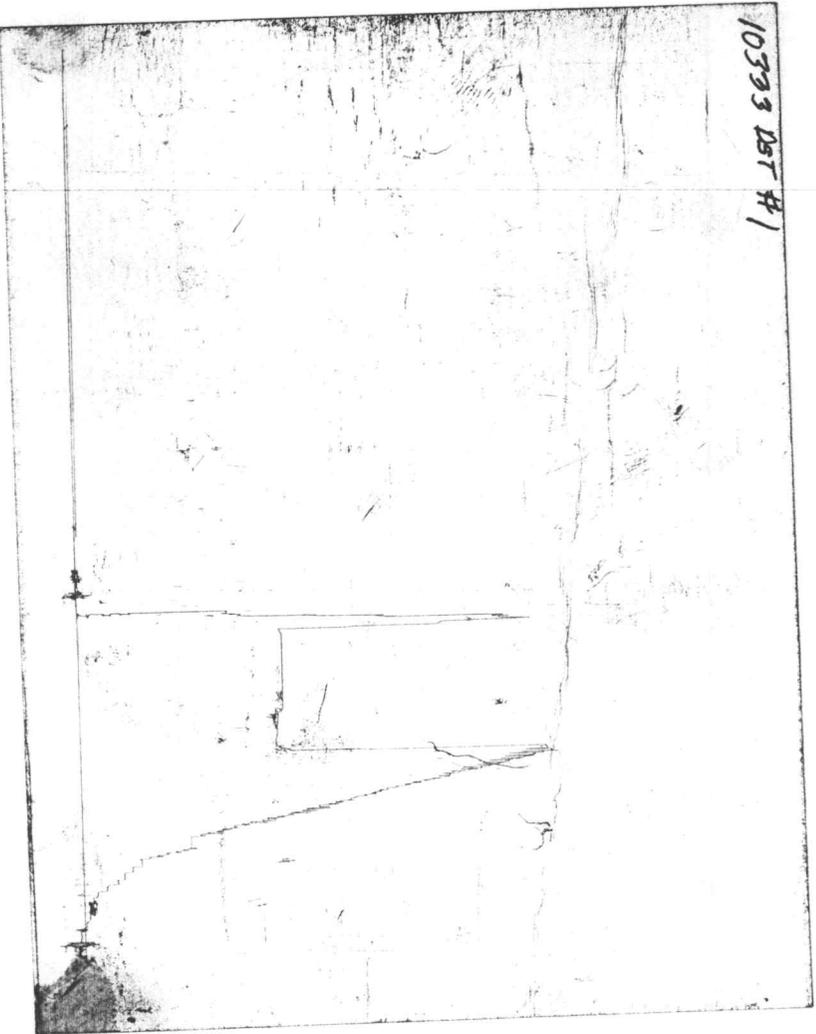


CHART PAGE



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

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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10679 Dst#1 Western Operating Co. 1-X Siverson

DATE: 06/18/98 TIME: 10:27:25  
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	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
***** Initial Hydro.	136.50	2399.9	0.0	125.68		
***** Start Flow 1	0.00	1067.3	0.0	126.63		
	0.25	1071.0	3.8	126.70		
	0.50	1075.9	8.7	126.80		
	0.75	1070.5	3.3	126.95		
	1.00	1064.7	-2.6	127.16		
	1.25	1061.4	-5.9	127.43		
	1.50	1059.5	-7.7	127.74		
	1.75	1059.6	-7.6	128.05		
	2.00	1036.4	-30.8	128.36		
	2.25	1046.2	-21.0	128.68		
	2.50	1051.5	-15.8	128.96		
	2.75	1027.2	-40.0	129.24		
	3.00	1033.8	-33.5	129.51		
	3.25	1024.5	-42.8	129.75		
	3.50	1029.7	-37.6	129.99		
	3.75	1029.3	-37.9	130.20		
	4.00	1041.1	-26.2	130.41		
	4.25	1051.7	-15.5	130.60		
	4.50	1057.7	-9.6	130.80		
	4.75	1012.2	-55.1	130.98		
	5.00	1041.5	-25.8	131.16		
	5.25	1026.1	-41.2	131.33		
	5.50	1048.4	-18.9	131.49		
	5.75	1048.5	-18.7	131.65		
	6.00	1027.5	-39.8	131.82		
	6.25	1029.6	-37.7	132.01		
	6.50	1051.2	-16.0	132.18		
	6.75	1059.2	-8.1	132.36		
	7.00	1022.2	-45.0	132.53		
	7.25	1030.3	-37.0	132.71		
	7.50	1025.6	-41.6	132.89		
	7.75	1019.0	-48.2	133.07		
	8.00	1025.6	-41.6	133.24		
	8.25	1029.0	-38.3	133.41		
	8.50	1033.5	-33.8	133.58		
	8.75	1045.8	-21.4	133.72		
	9.00	1031.8	-35.5	133.87		
	9.25	1038.7	-28.5	134.00		
	9.50	1044.9	-22.3	134.12		
	9.75	1041.0	-26.3	134.22		
	10.00	1038.4	-28.9	134.32		
	10.25	1050.3	-16.9	134.41		
	10.50	1053.8	-13.4	134.50		
	10.75	1057.2	-10.1	134.57		
	11.00	1053.8	-13.4	134.64		
	11.25	1046.5	-20.7	134.71		
	11.50	1053.5	-13.7	134.77		
	11.75	1047.5	-19.8	134.82		
	12.00	1051.1	-16.2	134.88		
	12.25	1052.6	-14.6	134.92		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10679 Dst#1 Western Operating Co. 1-X Siverson

DATE: 06/18/98

TIME: 10:27:25

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
12.50	1055.3	-11.9	134.97		
12.75	1046.1	-21.1	135.01		
13.00	1057.2	-10.1	135.04		
13.25	1055.7	-11.6	135.09		
13.50	1057.0	-10.3	135.13		
13.75	1061.8	-5.5	135.17		
14.00	1060.1	-7.2	135.21		
14.25	1060.2	-7.1	135.24		
14.50	1059.7	-7.6	135.28		
14.75	1058.1	-9.2	135.30		
15.00	1063.2	-4.0	135.33		
15.25	1062.0	-5.2	135.36		
15.50	1055.4	-11.9	135.38		
15.75	1060.1	-7.1	135.41		
16.00	1055.2	-12.0	135.43		
16.25	1060.8	-6.4	135.45		
16.50	1064.3	-3.0	135.46		
16.75	1061.8	-5.4	135.49		
17.00	1061.2	-6.1	135.51		
17.25	1061.1	-6.2	135.53		
17.50	1056.0	-11.2	135.56		
17.75	1065.9	-1.4	135.58		
18.00	1057.5	-9.8	135.61		
18.25	1059.5	-7.7	135.64		
18.50	1060.1	-7.2	135.67		
18.75	1062.2	-5.0	135.69		
19.00	1064.7	-2.6	135.74		
19.25	1062.9	-4.3	135.77		
19.50	1065.3	-1.9	135.80		
19.75	1057.7	-9.5	135.84		
20.00	1062.9	-4.3	135.87		
20.25	1063.5	-3.8	135.91		
20.50	1068.1	0.8	135.95		
20.75	1065.0	-2.3	135.99		
21.00	1065.6	-1.7	136.02		
21.25	1063.7	-3.5	136.06		
21.50	1064.6	-2.6	136.10		
21.75	1066.3	-1	136.15		
22.00	1059.4	-7.9	136.19		
22.25	1067.9	0.7	136.24		
22.50	1061.2	-6.0	136.29		
22.75	1063.6	-3.7	136.33		
23.00	1065.0	-2.3	136.38		
23.25	1068.2	1	136.43		
23.50	1071.0	3.7	136.48		
23.75	1068.3	1.0	136.53		
24.00	1062.4	-4.9	136.58		
24.25	1067.3	0.1	136.62		
24.50	1067.5	0.3	136.67		
24.75	1066.4	-0.8	136.71		
25.00	1069.9	2.7	136.76		

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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10679 Dst#1 Western Operating Co. 1-X Siverson

DATE: 06/18/98 TIME: 10:27:25  
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	Time	Pressure PSI <sub>g</sub>	delta P PSI <sub>g</sub>	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	25.25	1062.8	-4.4	136.80		
	25.50	1068.8	1.5	136.84		
	25.75	1066.4	-0.8	136.88		
	26.00	1067.9	0.6	136.92		
	26.25	1067.6	0.3	136.96		
	26.50	1068.0	0.8	137.00		
	26.75	1068.6	1.3	137.04		
	27.00	1069.0	1.7	137.07		
	27.25	1069.1	1.9	137.15		
	27.50	1071.1	3.8	137.14		
	27.75	1068.4	1.1	137.23		
	28.00	1061.3	-5.9	137.21		
	28.25	1064.6	-2.6	137.25		
	28.50	1068.4	1.2	137.28		
	28.75	1065.3	-2.0	137.31		
	29.00	1068.7	1.4	137.34		
	29.25	1062.7	-4.6	137.38		
	29.50	1069.4	2.1	137.41		
	29.75	1070.8	3.5	137.45		
***** End Flow 1	30.00	1067.8	0.6	137.47		
***** Start Shutin 1	0.00	1067.8	0.0	137.47	0.0000	1.140
	0.25	1093.5	25.6	137.51	121.0000	1.196
	0.50	1106.4	38.5	137.55	61.0000	1.224
	0.75	1105.0	37.2	137.58	41.0000	1.221
	1.00	1104.8	37.0	137.59	31.0000	1.221
	1.25	1104.9	37.0	137.57	25.0000	1.221
	1.50	1104.9	37.1	137.52	21.0000	1.221
	1.75	1104.9	37.1	137.44	18.1429	1.221
	2.00	1104.9	37.1	137.35	16.0000	1.221
	2.25	1105.0	37.2	137.25	14.3333	1.221
	2.50	1105.0	37.2	137.14	13.0000	1.221
	2.75	1105.0	37.2	137.03	11.9091	1.221
	3.00	1105.1	37.2	136.93	11.0000	1.221
	3.25	1105.1	37.2	136.83	10.2308	1.221
	3.50	1105.1	37.3	136.73	9.5714	1.221
	3.75	1105.1	37.3	136.64	9.0000	1.221
	4.00	1105.2	37.3	136.56	8.5000	1.221
	4.25	1105.2	37.4	136.49	8.0588	1.221
	4.50	1105.2	37.4	136.41	7.6667	1.222
	4.75	1105.3	37.4	136.32	7.3158	1.222
	5.00	1105.3	37.4	136.29	7.0000	1.222
	5.25	1105.3	37.4	136.23	6.7143	1.222
	5.50	1105.3	37.5	136.18	6.4545	1.222
	5.75	1105.4	37.5	136.14	6.2174	1.222
	6.00	1105.4	37.5	136.10	6.0000	1.222
	6.25	1105.4	37.6	136.06	5.8000	1.222
	6.50	1105.4	37.6	136.04	5.6154	1.222
	6.75	1105.5	37.6	136.02	5.4444	1.222
	7.00	1105.5	37.6	136.00	5.2857	1.222
	7.25	1105.5	37.7	135.98	5.1379	1.222
	7.50	1105.5	37.7	135.97	5.0000	1.222

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10679 Dst#1 Western Operating Co. 1-X Siverson

DATE: 06/18/98

TIME: 10:27:25

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
7.75	1105.5	37.7	135.96	4.8710	1.222
8.00	1105.5	37.7	135.95	4.7500	1.222
8.25	1105.6	37.8	135.95	4.6364	1.222
8.50	1105.6	37.8	135.95	4.5294	1.222
8.75	1105.6	37.8	135.95	4.4286	1.222
9.00	1105.7	37.8	135.95	4.3333	1.223
9.25	1105.6	37.8	135.95	4.2432	1.222
9.50	1105.7	37.8	135.96	4.1579	1.223
9.75	1105.7	37.8	135.96	4.0769	1.223
10.00	1105.7	37.9	135.97	4.0000	1.223
10.25	1105.7	37.9	135.97	3.9268	1.223
10.50	1105.7	37.9	135.97	3.8571	1.223
10.75	1105.7	37.9	135.97	3.7907	1.223
11.00	1105.7	37.9	135.98	3.7273	1.223
11.25	1105.8	37.9	135.97	3.6667	1.223
11.50	1105.8	37.9	135.97	3.6087	1.223
11.75	1105.8	37.9	135.97	3.5532	1.223
12.00	1105.8	37.9	135.98	3.5000	1.223
12.25	1105.8	38.0	135.98	3.4490	1.223
12.50	1105.8	38.0	135.98	3.4000	1.223
12.75	1105.8	38.0	135.98	3.3529	1.223
13.00	1105.8	38.0	135.98	3.3077	1.223
13.25	1105.8	37.9	135.98	3.2642	1.223
13.50	1105.8	37.9	136.00	3.2222	1.223
13.75	1105.8	38.0	136.00	3.1818	1.223
14.00	1105.8	38.0	136.01	3.1429	1.223
14.25	1105.8	38.0	136.01	3.1053	1.223
14.50	1105.9	38.0	136.02	3.0690	1.223
14.75	1105.9	38.1	136.02	3.0339	1.223
15.00	1105.9	38.1	136.03	3.0000	1.223
15.25	1105.9	38.1	136.05	2.9672	1.223
15.50	1105.9	38.1	136.06	2.9355	1.223
15.75	1105.9	38.1	136.08	2.9048	1.223
16.00	1105.9	38.1	136.10	2.8750	1.223
16.25	1105.9	38.1	136.11	2.8462	1.223
16.50	1105.9	38.1	136.12	2.8182	1.223
16.75	1106.0	38.1	136.14	2.7910	1.223
17.00	1106.0	38.2	136.16	2.7647	1.223
17.25	1106.0	38.2	136.18	2.7391	1.223
17.50	1106.0	38.2	136.20	2.7143	1.223
17.75	1106.0	38.2	136.21	2.6901	1.223
18.00	1106.0	38.2	136.24	2.6667	1.223
18.25	1106.1	38.2	136.25	2.6438	1.223
18.50	1106.1	38.2	136.25	2.6216	1.223
18.75	1106.1	38.2	136.29	2.6000	1.223
19.00	1106.1	38.2	136.31	2.5789	1.223
19.25	1106.1	38.2	136.33	2.5584	1.223
19.50	1106.1	38.3	136.36	2.5385	1.223
19.75	1106.0	38.2	136.38	2.5190	1.223
20.00	1106.0	38.2	136.40	2.5000	1.223
20.25	1106.1	38.3	136.42	2.4815	1.223

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10679 Dst#1 Western Operating Co. 1-X Siverson

DATE: 06/18/98

TIME: 10:27:25

Time	Pressure PSIg	delta P PSIg	P DEG F	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
20.50	1106.1	38.3	136.44	136.44	2.4634	1.224
20.75	1106.1	38.3	136.46	136.46	2.4458	1.224
21.00	1106.1	38.3	136.49	136.49	2.4286	1.224
21.25	1106.2	38.3	136.51	136.51	2.4118	1.224
21.50	1106.2	38.3	136.53	136.53	2.3953	1.224
21.75	1106.2	38.3	136.55	136.55	2.3793	1.224
22.00	1106.2	38.3	136.58	136.58	2.3636	1.224
22.25	1106.2	38.3	136.60	136.60	2.3483	1.224
22.50	1106.1	38.3	136.61	136.61	2.3333	1.224
22.75	1106.1	38.3	136.63	136.63	2.3187	1.224
23.00	1106.1	38.3	136.65	136.65	2.3043	1.224
23.25	1106.2	38.4	136.67	136.67	2.2903	1.224
23.50	1106.2	38.4	136.69	136.69	2.2766	1.224
23.75	1106.2	38.4	136.72	136.72	2.2632	1.224
24.00	1106.2	38.3	136.74	136.74	2.2500	1.224
24.25	1106.2	38.3	136.75	136.75	2.2371	1.224
24.50	1106.2	38.3	136.77	136.77	2.2245	1.224
24.75	1106.2	38.3	136.80	136.80	2.2121	1.224
25.00	1106.2	38.3	136.82	136.82	2.2000	1.224
25.25	1106.2	38.3	136.84	136.84	2.1881	1.224
25.50	1106.2	38.4	136.85	136.85	2.1765	1.224
25.75	1106.2	38.4	136.88	136.88	2.1650	1.224
26.00	1106.2	38.4	136.89	136.89	2.1538	1.224
26.25	1106.2	38.4	136.91	136.91	2.1429	1.224
26.50	1106.2	38.4	136.93	136.93	2.1321	1.224
26.75	1106.2	38.4	136.95	136.95	2.1215	1.224
27.00	1106.3	38.4	136.97	136.97	2.1111	1.224
27.25	1106.3	38.4	136.99	136.99	2.1009	1.224
27.50	1106.3	38.4	137.01	137.01	2.0909	1.224
27.75	1106.3	38.4	137.03	137.03	2.0811	1.224
28.00	1106.3	38.5	137.05	137.05	2.0714	1.224
28.25	1106.3	38.4	137.06	137.06	2.0619	1.224
28.50	1106.3	38.5	137.09	137.09	2.0526	1.224
28.75	1106.3	38.5	137.12	137.12	2.0435	1.224
29.00	1106.3	38.5	137.11	137.11	2.0345	1.224
29.25	1106.3	38.5	137.14	137.14	2.0256	1.224
29.50	1106.3	38.5	137.16	137.16	2.0169	1.224
29.75	1106.3	38.5	137.18	137.18	2.0084	1.224
30.00	1106.3	38.5	137.20	137.20	2.0000	1.224
30.25	1106.3	38.4	137.22	137.22	1.9917	1.224
30.50	1106.2	38.4	137.24	137.24	1.9836	1.224
30.75	1106.3	38.4	137.26	137.26	1.9756	1.224
31.00	1106.3	38.5	137.28	137.28	1.9677	1.224
31.25	1106.3	38.5	137.30	137.30	1.9600	1.224
31.50	1106.3	38.5	137.32	137.32	1.9524	1.224
31.75	1106.3	38.5	137.34	137.34	1.9449	1.224
32.00	1106.3	38.5	137.36	137.36	1.9375	1.224
32.25	1106.3	38.5	137.38	137.38	1.9302	1.224
32.50	1106.4	38.5	137.39	137.39	1.9231	1.224
32.75	1106.4	38.5	137.41	137.41	1.9160	1.224
33.00	1106.4	38.5	137.43	137.43	1.9091	1.224

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10679 Dst#1 Western Operating Co. 1-X Siverson

DATE: 06/18/98 TIME: 10:27:25

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
33.25	1106.4	38.5	137.45	1.9023	1.224
33.50	1106.3	38.5	137.47	1.8955	1.224
33.75	1106.3	38.5	137.47	1.8889	1.224
34.00	1106.4	38.5	137.51	1.8824	1.224
34.25	1106.4	38.5	137.52	1.8759	1.224
34.50	1106.4	38.6	137.54	1.8696	1.224
34.75	1106.4	38.6	137.56	1.8633	1.224
35.00	1106.4	38.6	137.58	1.8571	1.224
35.25	1106.4	38.5	137.60	1.8511	1.224
35.50	1106.4	38.5	137.61	1.8451	1.224
35.75	1106.4	38.6	137.63	1.8392	1.224
36.00	1106.4	38.6	137.65	1.8333	1.224
36.25	1106.4	38.6	137.67	1.8276	1.224
36.50	1106.4	38.6	137.68	1.8219	1.224
36.75	1106.5	38.6	137.71	1.8163	1.224
37.00	1106.5	38.6	137.72	1.8108	1.224
37.25	1106.5	38.6	137.74	1.8054	1.224
37.50	1106.4	38.6	137.76	1.8000	1.224
37.75	1106.4	38.6	137.77	1.7947	1.224
38.00	1106.4	38.6	137.79	1.7895	1.224
38.25	1106.5	38.6	137.81	1.7843	1.224
38.50	1106.5	38.6	137.82	1.7792	1.224
38.75	1106.5	38.6	137.84	1.7742	1.224
39.00	1106.5	38.7	137.85	1.7692	1.224
39.25	1106.5	38.6	137.87	1.7643	1.224
39.50	1106.5	38.6	137.88	1.7595	1.224
39.75	1106.4	38.6	137.91	1.7547	1.224
40.00	1106.5	38.7	137.93	1.7500	1.224
40.25	1106.5	38.7	137.94	1.7453	1.224
40.50	1106.5	38.7	137.94	1.7407	1.224
40.75	1106.5	38.7	137.95	1.7362	1.224
41.00	1106.5	38.7	137.97	1.7317	1.224
41.25	1106.5	38.7	137.99	1.7273	1.224
41.50	1106.5	38.7	138.00	1.7229	1.224
41.75	1106.5	38.7	138.02	1.7186	1.224
42.00	1106.5	38.7	138.03	1.7143	1.224
42.25	1106.5	38.7	138.05	1.7101	1.224
42.50	1106.5	38.7	138.06	1.7059	1.224
42.75	1106.6	38.7	138.08	1.7018	1.224
43.00	1106.6	38.7	138.09	1.6977	1.224
43.25	1106.6	38.7	138.10	1.6936	1.224
43.50	1106.5	38.7	138.12	1.6897	1.224
43.75	1106.5	38.7	138.13	1.6857	1.224
44.00	1106.5	38.7	138.15	1.6818	1.224
44.25	1106.6	38.7	138.16	1.6780	1.224
44.50	1106.6	38.8	138.18	1.6742	1.225
44.75	1106.6	38.8	138.19	1.6704	1.225
45.00	1106.7	38.8	138.20	1.6667	1.225
45.25	1106.7	38.8	138.21	1.6630	1.225
45.50	1106.7	38.8	138.22	1.6593	1.225
45.75	1106.7	38.8	138.24	1.6557	1.225

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10679 Dst#1 Western Operating Co. 1-X Siverson

DATE: 06/18/98

TIME: 10:27:25

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
46.00	1106.7	38.8	138.25	1.6522	1.225
46.25	1106.7	38.8	138.26	1.6486	1.225
46.50	1106.7	38.8	138.27	1.6452	1.225
46.75	1106.7	38.8	138.28	1.6417	1.225
47.00	1106.7	38.8	138.29	1.6383	1.225
47.25	1106.7	38.9	138.30	1.6349	1.225
47.50	1106.7	38.9	138.32	1.6316	1.225
47.75	1106.7	38.9	138.32	1.6283	1.225
48.00	1106.7	38.8	138.33	1.6250	1.225
48.25	1106.7	38.8	138.33	1.6218	1.225
48.50	1106.6	38.8	138.34	1.6186	1.225
48.75	1106.6	38.8	138.34	1.6154	1.225
49.00	1106.6	38.8	138.34	1.6122	1.225
49.25	1106.6	38.8	138.34	1.6091	1.225
49.50	1106.6	38.8	138.35	1.6061	1.225
49.75	1106.6	38.8	138.36	1.6030	1.225
50.00	1106.6	38.8	138.35	1.6000	1.225
50.25	1106.6	38.8	138.36	1.5970	1.225
50.50	1106.6	38.8	138.36	1.5941	1.225
50.75	1106.6	38.8	138.36	1.5911	1.225
51.00	1106.6	38.8	138.36	1.5882	1.225
51.25	1106.6	38.8	138.36	1.5854	1.225
51.50	1106.6	38.8	138.36	1.5825	1.225
51.75	1106.6	38.8	138.36	1.5797	1.225
52.00	1106.6	38.8	138.36	1.5769	1.225
52.25	1106.6	38.8	138.36	1.5742	1.225
52.50	1106.6	38.8	138.36	1.5714	1.225
52.75	1106.6	38.8	138.36	1.5687	1.225
53.00	1106.6	38.8	138.36	1.5660	1.225
53.25	1106.6	38.8	138.36	1.5634	1.225
53.50	1106.6	38.8	138.35	1.5607	1.225
53.75	1106.6	38.8	138.35	1.5581	1.225
54.00	1106.6	38.7	138.35	1.5556	1.224
54.25	1106.6	38.7	138.35	1.5530	1.224
54.50	1106.6	38.7	138.35	1.5505	1.225
54.75	1106.5	38.7	138.34	1.5479	1.224
55.00	1106.5	38.7	138.34	1.5455	1.224
55.25	1106.5	38.7	138.34	1.5430	1.224
55.50	1106.5	38.7	138.35	1.5405	1.224
55.75	1106.5	38.7	138.34	1.5381	1.224
56.00	1106.5	38.7	138.34	1.5357	1.224
56.25	1106.5	38.7	138.34	1.5333	1.224
56.50	1106.5	38.7	138.34	1.5310	1.224
56.75	1106.5	38.7	138.34	1.5286	1.224
57.00	1106.5	38.7	138.35	1.5263	1.224
57.25	1106.5	38.7	138.34	1.5240	1.224
57.50	1106.5	38.6	138.34	1.5217	1.224
57.75	1106.5	38.7	138.34	1.5195	1.224
58.00	1106.5	38.7	138.34	1.5172	1.224
58.25	1106.5	38.7	138.34	1.5150	1.224
58.50	1106.5	38.6	138.34	1.5128	1.224

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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10679 Dst#1 Western Operating Co. 1-X Siverson

DATE: 06/18/98 TIME: 10:27:25  
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	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	58.75	1106.5	38.7	138.34	1.5106	1.224
	59.00	1106.5	38.7	138.34	1.5085	1.224
	59.25	1106.5	38.7	138.34	1.5063	1.224
	59.50	1106.5	38.6	138.35	1.5042	1.224
***** End Shut-in 1	59.75	1106.4	38.6	138.35	1.5021	1.224
***** Start Flow 2	0.00	1076.1	0.0	138.36		
	0.25	1085.3	9.2	138.38		
	0.50	1081.8	5.7	138.43		
	0.75	1081.4	5.3	138.50		
	1.00	1080.8	4.6	138.58		
	1.25	1080.1	4.0	138.69		
	1.50	1081.3	5.2	138.82		
	1.75	1075.4	-0.7	138.96		
	2.00	1071.8	-4.3	139.10		
	2.25	1077.1	1	139.24		
	2.50	1074.7	-1.5	139.38		
	2.75	1070.9	-5.2	139.52		
	3.00	1072.6	-3.5	139.66		
	3.25	1067.0	-9.2	139.79		
	3.50	1070.6	-5.5	139.91		
	3.75	1069.7	-6.4	140.04		
	4.00	1072.9	-3.2	140.15		
	4.25	1071.5	-4.7	140.26		
	4.50	1065.8	-10.4	140.36		
	4.75	1073.8	-2.3	140.47		
	5.00	1073.5	-2.6	140.56		
	5.25	1073.8	-2.3	140.65		
	5.50	1071.2	-4.9	140.74		
	5.75	1072.6	-3.5	140.83		
	6.00	1071.1	-5.0	140.92		
	6.25	1074.4	-1.7	141.01		
	6.50	1077.3	1.2	141.10		
	6.75	1066.5	-9.7	141.19		
	7.00	1068.6	-7.5	141.27		
	7.25	1066.2	-10	141.35		
	7.50	1066.3	-9.8	141.42		
	7.75	1067.9	-8.2	141.48		
	8.00	1068.2	-7.9	141.54		
	8.25	1067.8	-8.3	141.62		
	8.50	1068.1	-8.0	141.68		
	8.75	1070.2	-5.9	141.74		
	9.00	1069.2	-6.9	141.81		
	9.25	1070.8	-5.3	141.88		
	9.50	1074.3	-1.8	141.94		
	9.75	1070.5	-5.6	142.00		
	10.00	1071.6	-4.5	142.06		
	10.25	1070.6	-5.5	142.13		
	10.50	1071.3	-4.8	142.19		
	10.75	1073.7	-2.4	142.24		
	11.00	1072.5	-3.6	142.30		
	11.25	1072.2	-3.9	142.35		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10679 Dst#1 Western Operating Co. 1-X Siverson

DATE: 06/18/98

TIME: 10:27:25

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
11.50	1072.0	-4.1	142.41		
11.75	1071.0	-5.1	142.47		
12.00	1072.0	-4.2	142.52		
12.25	1071.4	-4.7	142.57		
12.50	1071.6	-4.6	142.62		
12.75	1070.1	-6.0	142.68		
13.00	1071.9	-4.3	142.72		
13.25	1072.5	-3.7	142.77		
13.50	1072.6	-3.5	142.81		
13.75	1072.9	-3.2	142.86		
14.00	1072.4	-3.7	142.91		
14.25	1073.2	-2.9	142.95		
14.50	1076.0	-0.1	142.98		
14.75	1076.8	0.7	143.02		
15.00	1078.3	2.1	143.04		
15.25	1078.5	2.4	143.06		
15.50	1077.1	1	143.06		
15.75	1078.0	1.9	143.07		
16.00	1078.7	2.6	143.08		
16.25	1077.4	1.3	143.08		
16.50	1076.9	0.8	143.09		
16.75	1072.0	-4.1	143.10		
17.00	1073.1	-3.0	143.13		
17.25	1075.5	-0.6	143.15		
17.50	1074.3	-1.8	143.18		
17.75	1074.8	-1.3	143.22		
18.00	1073.4	-2.8	143.25		
18.25	1073.4	-2.8	143.29		
18.50	1074.4	-1.7	143.33		
18.75	1072.7	-3.4	143.37		
19.00	1074.5	-1.6	143.40		
19.25	1073.7	-2.5	143.45		
19.50	1066.1	-10.1	143.50		
19.75	1069.7	-6.4	143.52		
20.00	1070.7	-5.4	143.56		
20.25	1067.6	-8.5	143.60		
20.50	1064.9	-11.2	143.63		
20.75	1079.1	3.0	143.67		
21.00	1080.1	3.9	143.70		
21.25	1079.0	2.9	143.75		
21.50	1075.5	-0.6	143.78		
21.75	1076.0	-0.1	143.83		
22.00	1077.5	1.4	143.87		
22.25	1077.8	1.7	143.93		
22.50	1076.9	0.8	143.98		
22.75	1076.6	0.4	144.04		
23.00	1075.5	-0.6	144.09		
23.25	1076.8	0.7	144.14		
23.50	1076.2	0.1	144.19		
23.75	1075.4	-0.7	144.24		
24.00	1075.8	-0.4	144.29		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10679 Dst#1 Western Operating Co. 1-X Siverson

DATE: 06/18/98

TIME: 10:27:25

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
24.25	1076.4	0.3	144.33		
24.50	1076.6	0.5	144.37		
24.75	1074.8	-1.3	144.42		
25.00	1076.2	0.1	144.45		
25.25	1075.6	-0.5	144.49		
25.50	1076.1	0.0	144.52		
25.75	1077.4	1.3	144.55		
26.00	1076.1	-0.0	144.59		
26.25	1076.3	0.2	144.62		
26.50	1075.6	-0.5	144.65		
26.75	1075.9	-0.2	144.68		
27.00	1077.1	1.0	144.71		
27.25	1075.8	-0.3	144.74		
27.50	1077.8	1.7	144.77		
27.75	1078.5	2.3	144.79		
28.00	1078.6	2.4	144.82		
28.25	1078.7	2.6	144.85		
28.50	1078.9	2.7	144.87		
28.75	1078.3	2.2	144.90		
29.00	1079.1	3.0	144.93		
29.25	1079.1	2.9	144.95		
29.50	1078.9	2.8	144.97		
29.75	1078.8	2.6	145.00		
30.00	1078.0	1.9	145.02		
30.25	1079.2	3.1	145.04		
30.50	1078.9	2.8	145.06		
30.75	1079.1	3.0	145.09		
31.00	1078.1	1.9	145.10		
31.25	1078.9	2.8	145.13		
31.50	1079.7	3.6	145.15		
31.75	1079.0	2.9	145.16		
32.00	1079.5	3.4	145.18		
32.25	1078.5	2.4	145.20		
32.50	1079.1	2.9	145.22		
32.75	1078.6	2.5	145.24		
33.00	1078.2	2.0	145.27		
33.25	1078.1	2.0	145.28		
33.50	1078.2	2.0	145.30		
33.75	1078.0	1.9	145.32		
34.00	1077.5	1.4	145.33		
34.25	1077.8	1.6	145.35		
34.50	1076.7	0.6	145.36		
34.75	1076.3	0.2	145.38		
35.00	1077.4	1.3	145.39		
35.25	1077.1	1.0	145.41		
35.50	1076.3	0.2	145.42		
35.75	1077.8	1.6	145.44		
36.00	1076.9	0.7	145.44		
36.25	1075.7	-0.4	145.46		
36.50	1075.1	-1.0	145.47		
36.75	1077.1	1	145.49		

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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10679 Dst#1 Western Operating Co. 1-X Siverson

DATE: 06/18/98

TIME: 10:27:25  
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Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
37.00	1075.1	-1.0	145.50		
37.25	1076.4	0.3	145.51		
37.50	1076.3	0.1	145.52		
37.75	1076.0	-0.1	145.54		
38.00	1076.0	-0.1	145.56		
38.25	1075.4	-0.7	145.56		
38.50	1075.3	-0.8	145.58		
38.75	1075.4	-0.7	145.60		
39.00	1075.5	-0.6	145.61		
39.25	1075.5	-0.6	145.62		
39.50	1075.2	-1	145.63		
39.75	1075.3	-0.8	145.65		
40.00	1075.5	-0.7	145.66		
40.25	1074.9	-1.3	145.67		
40.50	1076.1	-0.0	145.69		
40.75	1075.8	-0.3	145.71		
41.00	1074.9	-1.2	145.72		
41.25	1076.1	-0.1	145.73		
41.50	1075.7	-0.4	145.75		
41.75	1074.6	-1.5	145.76		
42.00	1075.4	-0.7	145.78		
42.25	1074.9	-1.2	145.78		
42.50	1074.4	-1.8	145.80		
42.75	1074.5	-1.6	145.81		
43.00	1074.4	-1.7	145.82		
43.25	1075.4	-0.7	145.84		
43.50	1074.5	-1.6	145.85		
43.75	1074.3	-1.8	145.87		
44.00	1074.3	-1.8	145.89		
44.25	1074.5	-1.6	145.93		
44.50	1074.5	-1.6	145.91		
44.75	1075.3	-0.8	145.91		
45.00	1073.6	-2.5	145.94		
45.25	1074.6	-1.5	145.95		
45.50	1074.6	-1.6	145.95		
45.75	1074.0	-2.2	145.98		
46.00	1074.3	-1.9	145.98		
46.25	1074.4	-1.7	145.99		
46.50	1074.1	-2.1	146.00		
46.75	1074.4	-1.7	146.02		
47.00	1074.1	-2.0	146.03		
47.25	1074.0	-2.2	146.05		
47.50	1074.5	-1.6	146.07		
47.75	1073.8	-2.3	146.08		
48.00	1074.7	-1.4	146.10		
48.25	1074.5	-1.6	146.11		
48.50	1074.1	-2.0	146.13		
48.75	1074.1	-2.0	146.14		
49.00	1074.1	-2.0	146.15		
49.25	1074.9	-1.2	146.17		
49.50	1074.2	-1.9	146.18		

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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10679 Dst#1 Western Operating Co. 1-X Siverson

DATE: 06/18/98 TIME: 10:27:25  
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Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
49.75	1074.5	-1.6	146.20		
50.00	1073.7	-2.4	146.21		
50.25	1074.7	-1.4	146.23		
50.50	1074.0	-2.1	146.24		
50.75	1074.1	-2.0	146.25		
51.00	1074.8	-1.3	146.27		
51.25	1073.9	-2.2	146.28		
51.50	1073.8	-2.3	146.29		
51.75	1074.7	-1.4	146.31		
52.00	1074.0	-2.2	146.32		
52.25	1074.2	-1.9	146.33		
52.50	1073.6	-2.5	146.34		
52.75	1074.0	-2.2	146.35		
53.00	1074.4	-1.7	146.37		
53.25	1074.0	-2.1	146.38		
53.50	1074.3	-1.8	146.39		
53.75	1074.8	-1.3	146.40		
54.00	1075.2	-0.9	146.42		
54.25	1073.5	-2.7	146.43		
54.50	1074.5	-1.6	146.44		
54.75	1074.2	-1.9	146.46		
55.00	1074.5	-1.6	146.46		
55.25	1074.5	-1.6	146.48		
55.50	1074.0	-2.1	146.49		
55.75	1074.4	-1.7	146.50		
56.00	1073.7	-2.4	146.52		
56.25	1074.9	-1.2	146.52		
56.50	1074.3	-1.8	146.54		
56.75	1075.2	-1	146.55		
57.00	1075.5	-0.6	146.56		
57.25	1073.2	-2.9	146.58		
57.50	1073.6	-2.5	146.58		
57.75	1074.8	-1.3	146.60		
58.00	1074.6	-1.5	146.61		
58.25	1074.5	-1.6	146.63		
58.50	1073.7	-2.5	146.63		
58.75	1074.2	-1.9	146.64		
59.00	1074.9	-1.2	146.65		
59.25	1074.3	-1.9	146.66		
59.50	1074.3	-1.8	146.68		
59.75	1074.2	-1.9	146.69		
60.00	1074.2	-1.9	146.70		
60.25	1073.4	-2.7	146.70		
60.50	1074.3	-1.8	146.71		
60.75	1073.6	-2.5	146.72		
61.00	1074.4	-1.7	146.73		
61.25	1073.8	-2.4	146.74		
61.50	1074.5	-1.6	146.75		
61.75	1072.8	-3.3	146.76		
62.00	1073.3	-2.8	146.77		
62.25	1073.8	-2.3	146.78		

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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10679 Dst#1 Western Operating Co. 1-X Siverson

DATE: 06/18/98

TIME: 10:27:25  
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Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
62.50	1074.1	-2.0	146.79		
62.75	1073.5	-2.6	146.80		
63.00	1074.2	-2.0	146.81		
63.25	1074.5	-1.6	146.82		
63.50	1073.8	-2.4	146.83		
63.75	1075.2	-0.9	146.84		
64.00	1072.2	-3.9	146.85		
64.25	1073.7	-2.4	146.86		
64.50	1072.8	-3.3	146.88		
64.75	1073.2	-2.9	146.88		
65.00	1073.0	-3.1	146.89		
65.25	1074.1	-2.1	146.90		
65.50	1072.4	-3.7	146.91		
65.75	1073.7	-2.5	146.92		
66.00	1073.0	-3.1	146.92		
66.25	1073.3	-2.8	146.94		
66.50	1074.2	-1.9	146.95		
66.75	1073.4	-2.7	146.96		
67.00	1073.0	-3.2	146.97		
67.25	1073.1	-3.0	146.98		
67.50	1073.5	-2.6	146.99		
67.75	1072.7	-3.4	147.00		
68.00	1073.5	-2.6	147.01		
68.25	1072.9	-3.3	147.02		
68.50	1073.0	-3.1	147.02		
68.75	1073.3	-2.8	147.03		
69.00	1072.2	-3.9	147.04		
69.25	1073.9	-2.2	147.05		
69.50	1072.0	-4.1	147.05		
69.75	1072.6	-3.6	147.06		
70.00	1073.3	-2.9	147.08		
70.25	1072.5	-3.6	147.08		
70.50	1072.4	-3.7	147.09		
70.75	1072.8	-3.4	147.11		
71.00	1072.0	-4.1	147.11		
71.25	1073.1	-3.1	147.12		
71.50	1071.7	-4.4	147.13		
71.75	1071.9	-4.2	147.13		
72.00	1071.0	-5.1	147.14		
72.25	1071.6	-4.5	147.14		
72.50	1072.0	-4.1	147.15		
72.75	1072.3	-3.9	147.17		
73.00	1071.7	-4.4	147.17		
73.25	1072.0	-4.1	147.18		
73.50	1072.9	-3.2	147.19		
73.75	1071.1	-5.0	147.20		
74.00	1073.1	-3.0	147.20		
74.25	1071.4	-4.7	147.22		
74.50	1070.5	-5.7	147.22		
74.75	1072.7	-3.5	147.23		
75.00	1071.8	-4.3	147.24		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10679 Dst#1 Western Operating Co. 1-X Siverson

DATE: 06/18/98

TIME: 10:27:25

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
75.25	1072.8	-3.3	147.25		
75.50	1071.1	-5.0	147.26		
75.75	1071.4	-4.7	147.27		
76.00	1072.4	-3.8	147.27		
76.25	1071.3	-4.9	147.28		
76.50	1071.7	-4.4	147.29		
76.75	1071.5	-4.6	147.30		
77.00	1071.5	-4.6	147.31		
77.25	1071.7	-4.4	147.31		
77.50	1071.6	-4.5	147.31		
77.75	1071.4	-4.7	147.32		
78.00	1071.5	-4.7	147.33		
78.25	1072.1	-4.0	147.34		
78.50	1070.3	-5.8	147.35		
78.75	1071.7	-4.4	147.36		
79.00	1071.6	-4.5	147.37		
79.25	1072.1	-4.0	147.38		
79.50	1071.9	-4.3	147.38		
79.75	1070.8	-5.3	147.39		
80.00	1071.0	-5.1	147.40		
80.25	1071.8	-4.3	147.41		
80.50	1070.3	-5.8	147.41		
80.75	1070.8	-5.3	147.42		
81.00	1071.6	-4.5	147.43		
81.25	1071.8	-4.3	147.44		
81.50	1070.6	-5.5	147.45		
81.75	1070.8	-5.3	147.45		
82.00	1070.4	-5.7	147.46		
82.25	1071.4	-4.7	147.47		
82.50	1071.0	-5.1	147.48		
82.75	1071.3	-4.8	147.49		
83.00	1070.5	-5.6	147.49		
83.25	1071.2	-5.0	147.50		
83.50	1071.2	-4.9	147.51		
83.75	1071.9	-4.2	147.51		
84.00	1069.8	-6.3	147.52		
84.25	1072.0	-4.1	147.53		
84.50	1070.5	-5.7	147.54		
84.75	1072.1	-4.1	147.54		
85.00	1069.9	-6.3	147.56		
85.25	1070.7	-5.4	147.57		
85.50	1069.8	-6.3	147.57		
85.75	1071.2	-4.9	147.57		
86.00	1070.8	-5.3	147.58		
86.25	1070.5	-5.6	147.60		
86.50	1071.4	-4.7	147.59		
86.75	1070.5	-5.7	147.60		
87.00	1070.4	-5.7	147.61		
87.25	1069.6	-6.5	147.61		
87.50	1070.7	-5.4	147.62		
87.75	1071.1	-5.0	147.63		

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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10679 Dst#1 Western Operating Co. 1-X Siverson

DATE: 06/18/98

TIME: 10:27:25  
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	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	88.00	1070.2	-6.0	147.63		
	88.25	1070.0	-6.1	147.64		
	88.50	1070.9	-5.2	147.65		
	88.75	1070.1	-6.0	147.66		
	89.00	1070.9	-5.2	147.67		
	89.25	1070.4	-5.7	147.68		
	89.50	1069.4	-6.7	147.69		
***** End Flow 2	89.75	1071.1	-5.0	147.69		
***** Start Shutin 2	0.00	1071.1	0.0	147.69	0.0000	1.147
	0.25	1102.5	31.3	147.70	480.0000	1.215
	0.50	1103.2	32.1	147.72	240.5000	1.217
	0.75	1103.5	32.4	147.73	160.6667	1.218
	1.00	1103.5	32.4	147.75	120.7500	1.218
	1.25	1103.6	32.5	147.78	96.8000	1.218
	1.50	1103.7	32.6	147.80	80.8333	1.218
	1.75	1103.8	32.7	147.84	69.4286	1.218
	2.00	1103.8	32.7	147.86	60.8750	1.218
	2.25	1103.9	32.8	147.88	54.2222	1.219
	2.50	1103.9	32.8	147.90	48.9000	1.219
	2.75	1104.0	32.9	147.92	44.5455	1.219
	3.00	1104.0	32.9	147.94	40.9167	1.219
	3.25	1104.0	32.9	147.96	37.8462	1.219
	3.50	1104.1	33.0	147.97	35.2143	1.219
	3.75	1104.1	33.0	147.99	32.9333	1.219
	4.00	1104.2	33.1	148.00	30.9375	1.219
	4.25	1104.2	33.1	148.02	29.1765	1.219
	4.50	1104.2	33.1	148.03	27.6111	1.219
	4.75	1104.3	33.1	148.03	26.2105	1.219
	5.00	1104.3	33.1	148.05	24.9500	1.219
	5.25	1104.3	33.2	148.05	23.8095	1.219
	5.50	1104.3	33.2	148.06	22.7727	1.219
	5.75	1104.3	33.2	148.05	21.8261	1.219
	6.00	1104.3	33.2	148.05	20.9583	1.220
	6.25	1104.4	33.2	148.05	20.1600	1.220
	6.50	1104.4	33.2	148.06	19.4231	1.220
	6.75	1104.4	33.2	148.07	18.7407	1.220
	7.00	1104.4	33.3	148.07	18.1071	1.220
	7.25	1104.4	33.2	148.07	17.5172	1.220
	7.50	1104.4	33.3	148.08	16.9667	1.220
	7.75	1104.4	33.3	148.08	16.4516	1.220
	8.00	1104.5	33.3	148.08	15.9688	1.220
	8.25	1104.5	33.3	148.09	15.5152	1.220
	8.50	1104.5	33.4	148.09	15.0882	1.220
	8.75	1104.5	33.4	148.09	14.6857	1.220
	9.00	1104.5	33.4	148.09	14.3056	1.220
	9.25	1104.5	33.4	148.09	13.9459	1.220
	9.50	1104.5	33.4	148.10	13.6053	1.220
	9.75	1104.6	33.4	148.10	13.2821	1.220
	10.00	1104.6	33.4	148.10	12.9750	1.220
	10.25	1104.5	33.4	148.10	12.6829	1.220
	10.50	1104.5	33.4	148.10	12.4048	1.220

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10679 Dst#1 Western Operating Co. 1-X Siverson

DATE: 06/18/98

TIME: 10:27:25

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
10.75	1104.6	33.5	148.10	12.1395	1.220
11.00	1104.6	33.5	148.10	11.8864	1.220
11.25	1104.6	33.5	148.11	11.6444	1.220
11.50	1104.6	33.5	148.10	11.4130	1.220
11.75	1104.6	33.5	148.11	11.1915	1.220
12.00	1104.6	33.5	148.11	10.9792	1.220
12.25	1104.6	33.5	148.11	10.7755	1.220
12.50	1104.6	33.5	148.10	10.5800	1.220
12.75	1104.7	33.6	148.11	10.3922	1.220
13.00	1104.7	33.6	148.11	10.2115	1.220
13.25	1104.7	33.6	148.11	10.0377	1.220
13.50	1104.7	33.6	148.11	9.8704	1.220
13.75	1104.7	33.6	148.12	9.7091	1.220
14.00	1104.7	33.6	148.11	9.5536	1.220
14.25	1104.7	33.6	148.12	9.4035	1.220
14.50	1104.8	33.6	148.12	9.2586	1.221
14.75	1104.8	33.6	148.12	9.1186	1.221
15.00	1104.8	33.6	148.12	8.9833	1.221
15.25	1104.8	33.7	148.11	8.8525	1.221
15.50	1104.7	33.6	148.13	8.7258	1.220
15.75	1104.7	33.6	148.12	8.6032	1.220
16.00	1104.8	33.6	148.12	8.4844	1.221
16.25	1104.8	33.7	148.12	8.3692	1.221
16.50	1104.8	33.7	148.13	8.2576	1.221
16.75	1104.8	33.7	148.12	8.1493	1.221
17.00	1104.8	33.7	148.12	8.0441	1.221
17.25	1104.8	33.7	148.12	7.9420	1.221
17.50	1104.8	33.7	148.13	7.8429	1.221
17.75	1104.9	33.8	148.13	7.7465	1.221
18.00	1104.8	33.7	148.12	7.6528	1.221
18.25	1104.8	33.7	148.13	7.5616	1.221
18.50	1104.8	33.7	148.13	7.4730	1.221
18.75	1104.8	33.7	148.13	7.3867	1.221
19.00	1104.9	33.7	148.12	7.3026	1.221
19.25	1104.9	33.7	148.13	7.2208	1.221
19.50	1104.9	33.7	148.13	7.1410	1.221
19.75	1104.9	33.8	148.13	7.0633	1.221
20.00	1104.9	33.8	148.13	6.9875	1.221
20.25	1104.9	33.8	148.13	6.9136	1.221
20.50	1104.9	33.8	148.13	6.8415	1.221
20.75	1104.9	33.8	148.13	6.7711	1.221
21.00	1104.9	33.8	148.13	6.7024	1.221
21.25	1105.0	33.8	148.13	6.6353	1.221
21.50	1105.0	33.8	148.13	6.5698	1.221
21.75	1105.0	33.8	148.13	6.5057	1.221
22.00	1104.9	33.8	148.13	6.4432	1.221
22.25	1104.9	33.8	148.13	6.3820	1.221
22.50	1105.0	33.8	148.13	6.3222	1.221
22.75	1105.0	33.8	148.13	6.2637	1.221
23.00	1104.9	33.8	148.12	6.2065	1.221
23.25	1105.0	33.9	148.13	6.1505	1.221

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10679 Dst#1 Western Operating Co. 1-X Siverson

DATE: 06/18/98

TIME: 10:27:25

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
23.50	1105.0	33.9	148.13	6.0957	1.221
23.75	1105.0	33.9	148.13	6.0421	1.221
24.00	1105.0	33.9	148.13	5.9896	1.221
24.25	1105.0	33.9	148.13	5.9381	1.221
24.50	1105.0	33.9	148.13	5.8878	1.221
24.75	1105.0	33.8	148.13	5.8384	1.221
25.00	1105.0	33.8	148.13	5.7900	1.221
25.25	1105.0	33.9	148.14	5.7426	1.221
25.50	1105.0	33.9	148.14	5.6961	1.221
25.75	1105.0	33.9	148.13	5.6505	1.221
26.00	1105.0	33.9	148.13	5.6058	1.221
26.25	1105.0	33.9	148.13	5.5619	1.221
26.50	1105.0	33.9	148.13	5.5189	1.221
26.75	1105.0	33.9	148.13	5.4766	1.221
27.00	1105.0	33.9	148.13	5.4352	1.221
27.25	1105.0	33.9	148.13	5.3945	1.221
27.50	1105.0	33.9	148.13	5.3545	1.221
27.75	1105.1	33.9	148.13	5.3153	1.221
28.00	1105.1	33.9	148.13	5.2768	1.221
28.25	1105.1	33.9	148.13	5.2389	1.221
28.50	1105.1	34.0	148.13	5.2018	1.221
28.75	1105.1	34.0	148.13	5.1652	1.221
29.00	1105.2	34.0	148.13	5.1293	1.221
29.25	1105.1	34.0	148.13	5.0940	1.221
29.50	1105.1	34.0	148.13	5.0593	1.221
29.75	1105.1	34.0	148.13	5.0252	1.221
30.00	1105.1	34.0	148.14	4.9917	1.221
30.25	1105.1	34.0	148.13	4.9587	1.221
30.50	1105.1	33.9	148.14	4.9262	1.221
30.75	1105.1	33.9	148.13	4.8943	1.221
31.00	1105.1	33.9	148.14	4.8629	1.221
31.25	1105.1	34.0	148.13	4.8320	1.221
31.50	1105.1	34.0	148.13	4.8016	1.221
31.75	1105.1	34.0	148.13	4.7717	1.221
32.00	1105.1	34.0	148.13	4.7422	1.221
32.25	1105.1	34.0	148.13	4.7132	1.221
32.50	1105.1	33.9	148.14	4.6846	1.221
32.75	1105.1	34.0	148.13	4.6565	1.221
33.00	1105.1	34.0	148.13	4.6288	1.221
33.25	1105.1	34.0	148.13	4.6015	1.221
33.50	1105.1	34.0	148.13	4.5746	1.221
33.75	1105.2	34.0	148.13	4.5481	1.221
34.00	1105.2	34.0	148.13	4.5221	1.221
34.25	1105.2	34.0	148.13	4.4964	1.221
34.50	1105.2	34.0	148.13	4.4710	1.221
34.75	1105.2	34.0	148.13	4.4460	1.221
35.00	1105.2	34.1	148.13	4.4214	1.221
35.25	1105.2	34.1	148.13	4.3972	1.221
35.50	1105.2	34.1	148.13	4.3732	1.222
35.75	1105.2	34.1	148.13	4.3497	1.221
36.00	1105.2	34.1	148.13	4.3264	1.221

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10679 Dst#1 Western Operating Co. 1-X Siverson

DATE: 06/18/98

TIME: 10:27:25

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
36.25	1105.2	34.1	148.13	4.3034	1.222
36.50	1105.2	34.1	148.13	4.2808	1.221
36.75	1105.2	34.1	148.13	4.2585	1.221
37.00	1105.2	34.1	148.13	4.2365	1.221
37.25	1105.2	34.1	148.13	4.2148	1.221
37.50	1105.2	34.1	148.13	4.1933	1.222
37.75	1105.2	34.1	148.13	4.1722	1.222
38.00	1105.2	34.1	148.13	4.1513	1.222
38.25	1105.2	34.1	148.13	4.1307	1.222
38.50	1105.2	34.1	148.13	4.1104	1.222
38.75	1105.2	34.1	148.13	4.0903	1.222
39.00	1105.3	34.1	148.13	4.0705	1.222
39.25	1105.3	34.1	148.14	4.0510	1.222
39.50	1105.3	34.1	148.13	4.0316	1.222
39.75	1105.3	34.1	148.14	4.0126	1.222
40.00	1105.3	34.1	148.14	3.9937	1.222
40.25	1105.2	34.1	148.13	3.9752	1.222
40.50	1105.2	34.1	148.14	3.9568	1.222
40.75	1105.3	34.2	148.13	3.9387	1.222
41.00	1105.3	34.1	148.13	3.9207	1.222
41.25	1105.3	34.1	148.14	3.9030	1.222
41.50	1105.2	34.1	148.14	3.8855	1.222
41.75	1105.2	34.1	148.14	3.8683	1.222
42.00	1105.3	34.1	148.14	3.8512	1.222
42.25	1105.3	34.2	148.14	3.8343	1.222
42.50	1105.3	34.2	148.14	3.8176	1.222
42.75	1105.3	34.2	148.14	3.8012	1.222
43.00	1105.2	34.1	148.14	3.7849	1.222
43.25	1105.2	34.1	148.14	3.7688	1.222
43.50	1105.2	34.1	148.14	3.7529	1.222
43.75	1105.3	34.1	148.14	3.7371	1.222
44.00	1105.3	34.1	148.15	3.7216	1.222
44.25	1105.3	34.1	148.15	3.7062	1.222
44.50	1105.3	34.2	148.15	3.6910	1.222
44.75	1105.2	34.1	148.15	3.6760	1.222
45.00	1105.2	34.1	148.15	3.6611	1.222
45.25	1105.2	34.1	148.14	3.6464	1.222
45.50	1105.3	34.1	148.15	3.6319	1.222
45.75	1105.3	34.2	148.14	3.6175	1.222
46.00	1105.3	34.2	148.15	3.6033	1.222
46.25	1105.3	34.2	148.14	3.5892	1.222
46.50	1105.3	34.2	148.14	3.5753	1.222
46.75	1105.3	34.2	148.14	3.5615	1.222
47.00	1105.3	34.2	148.15	3.5479	1.222
47.25	1105.3	34.2	148.15	3.5344	1.222
47.50	1105.3	34.1	148.15	3.5211	1.222
47.75	1105.3	34.1	148.15	3.5079	1.222
48.00	1105.3	34.2	148.15	3.4948	1.222
48.25	1105.3	34.2	148.14	3.4819	1.222
48.50	1105.3	34.2	148.15	3.4691	1.222
48.75	1105.3	34.2	148.14	3.4564	1.222

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10679 Dst#1 Western Operating Co. 1-X Siverson  
 DATE: 06/18/98 TIME: 10:27:25

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
49.00	1105.3	34.2	148.14	3.4439	1.222
49.25	1105.3	34.2	148.14	3.4315	1.222
49.50	1105.3	34.2	148.14	3.4192	1.222
49.75	1105.3	34.2	148.14	3.4070	1.222
50.00	1105.3	34.2	148.14	3.3950	1.222
50.25	1105.3	34.1	148.14	3.3831	1.222
50.50	1105.3	34.1	148.15	3.3713	1.222
50.75	1105.3	34.1	148.15	3.3596	1.222
51.00	1105.3	34.2	148.15	3.3480	1.222
51.25	1105.3	34.2	148.14	3.3366	1.222
51.50	1105.3	34.2	148.15	3.3252	1.222
51.75	1105.3	34.2	148.14	3.3140	1.222
52.00	1105.3	34.2	148.14	3.3029	1.222
52.25	1105.3	34.2	148.15	3.2919	1.222
52.50	1105.3	34.2	148.15	3.2810	1.222
52.75	1105.3	34.2	148.14	3.2701	1.222
53.00	1105.3	34.2	148.15	3.2594	1.222
53.25	1105.3	34.2	148.14	3.2488	1.222
53.50	1105.3	34.2	148.15	3.2383	1.222
53.75	1105.4	34.2	148.14	3.2279	1.222
54.00	1105.4	34.2	148.15	3.2176	1.222
54.25	1105.4	34.2	148.14	3.2074	1.222
54.50	1105.4	34.2	148.15	3.1972	1.222
54.75	1105.4	34.2	148.14	3.1872	1.222
55.00	1105.3	34.2	148.14	3.1773	1.222
55.25	1105.3	34.2	148.15	3.1674	1.222
55.50	1105.3	34.2	148.15	3.1577	1.222
55.75	1105.4	34.2	148.15	3.1480	1.222
56.00	1105.4	34.3	148.14	3.1384	1.222
56.25	1105.4	34.3	148.14	3.1289	1.222
56.50	1105.4	34.3	148.14	3.1195	1.222
56.75	1105.4	34.3	148.14	3.1101	1.222
57.00	1105.4	34.3	148.15	3.1009	1.222
57.25	1105.4	34.3	148.15	3.0917	1.222
57.50	1105.4	34.3	148.15	3.0826	1.222
57.75	1105.4	34.3	148.15	3.0736	1.222
58.00	1105.4	34.2	148.14	3.0647	1.222
58.25	1105.4	34.3	148.14	3.0558	1.222
58.50	1105.4	34.3	148.14	3.0470	1.222
58.75	1105.4	34.3	148.14	3.0383	1.222
59.00	1105.3	34.2	148.15	3.0297	1.222
59.25	1105.4	34.3	148.14	3.0211	1.222
59.50	1105.4	34.3	148.15	3.0126	1.222
59.75	1105.4	34.3	148.14	3.0042	1.222
60.00	1105.4	34.3	148.15	2.9958	1.222
60.25	1105.4	34.2	148.15	2.9876	1.222
60.50	1105.4	34.2	148.15	2.9793	1.222
60.75	1105.4	34.3	148.15	2.9712	1.222
61.00	1105.4	34.3	148.15	2.9631	1.222
61.25	1105.4	34.3	148.15	2.9551	1.222
61.50	1105.4	34.3	148.15	2.9472	1.222

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10679 Dst#1 Western Operating Co. 1-X Siverson

DATE: 06/18/98

TIME: 10:27:25

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
61.75	1105.4	34.2	148.15	2.9393	1.222
62.00	1105.4	34.3	148.15	2.9315	1.222
62.25	1105.4	34.3	148.15	2.9237	1.222
62.50	1105.4	34.3	148.15	2.9160	1.222
62.75	1105.4	34.3	148.15	2.9084	1.222
63.00	1105.4	34.3	148.15	2.9008	1.222
63.25	1105.4	34.3	148.15	2.8933	1.222
63.50	1105.4	34.3	148.15	2.8858	1.222
63.75	1105.4	34.3	148.15	2.8784	1.222
64.00	1105.4	34.3	148.15	2.8711	1.222
64.25	1105.4	34.3	148.15	2.8638	1.222
64.50	1105.4	34.3	148.15	2.8566	1.222
64.75	1105.4	34.3	148.15	2.8494	1.222
65.00	1105.4	34.3	148.15	2.8423	1.222
65.25	1105.5	34.3	148.15	2.8352	1.222
65.50	1105.5	34.4	148.15	2.8282	1.222
65.75	1105.5	34.4	148.15	2.8213	1.222
66.00	1105.5	34.3	148.14	2.8144	1.222
66.25	1105.4	34.3	148.15	2.8075	1.222
66.50	1105.4	34.3	148.15	2.8008	1.222
66.75	1105.4	34.3	148.15	2.7940	1.222
67.00	1105.4	34.3	148.15	2.7873	1.222
67.25	1105.4	34.3	148.15	2.7807	1.222
67.50	1105.4	34.3	148.15	2.7741	1.222
67.75	1105.5	34.3	148.14	2.7675	1.222
68.00	1105.5	34.4	148.15	2.7610	1.222
68.25	1105.4	34.3	148.14	2.7546	1.222
68.50	1105.5	34.3	148.15	2.7482	1.222
68.75	1105.4	34.3	148.15	2.7418	1.222
69.00	1105.4	34.3	148.15	2.7355	1.222
69.25	1105.4	34.3	148.15	2.7292	1.222
69.50	1105.4	34.3	148.15	2.7230	1.222
69.75	1105.4	34.3	148.15	2.7168	1.222
70.00	1105.4	34.3	148.15	2.7107	1.222
70.25	1105.4	34.3	148.15	2.7046	1.222
70.50	1105.4	34.3	148.15	2.6986	1.222
70.75	1105.4	34.3	148.15	2.6926	1.222
71.00	1105.4	34.3	148.15	2.6866	1.222
71.25	1105.4	34.3	148.15	2.6807	1.222
71.50	1105.4	34.3	148.15	2.6748	1.222
71.75	1105.5	34.3	148.15	2.6690	1.222
72.00	1105.4	34.3	148.15	2.6632	1.222
72.25	1105.4	34.3	148.15	2.6574	1.222
72.50	1105.4	34.3	148.15	2.6517	1.222
72.75	1105.4	34.3	148.15	2.6460	1.222
73.00	1105.4	34.3	148.14	2.6404	1.222
73.25	1105.4	34.3	148.15	2.6348	1.222
73.50	1105.4	34.3	148.15	2.6293	1.222
73.75	1105.4	34.3	148.15	2.6237	1.222
74.00	1105.5	34.4	148.15	2.6182	1.222
74.25	1105.4	34.3	148.15	2.6128	1.222

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10679 Dst#1 Western Operating Co. 1-X Siverson

DATE: 06/18/98

TIME: 10:27:25

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
74.50	1105.4	34.3	148.15	2.6074	1.222
74.75	1105.5	34.3	148.15	2.6020	1.222
75.00	1105.5	34.3	148.15	2.5967	1.222
75.25	1105.5	34.3	148.15	2.5914	1.222
75.50	1105.5	34.4	148.15	2.5861	1.222
75.75	1105.5	34.4	148.15	2.5809	1.222
76.00	1105.5	34.4	148.15	2.5757	1.222
76.25	1105.4	34.3	148.15	2.5705	1.222
76.50	1105.5	34.4	148.15	2.5654	1.222
76.75	1105.4	34.3	148.15	2.5603	1.222
77.00	1105.4	34.3	148.15	2.5552	1.222
77.25	1105.4	34.3	148.15	2.5502	1.222
77.50	1105.5	34.3	148.15	2.5452	1.222
77.75	1105.5	34.4	148.15	2.5402	1.222
78.00	1105.5	34.4	148.15	2.5353	1.222
78.25	1105.5	34.3	148.15	2.5304	1.222
78.50	1105.4	34.3	148.15	2.5255	1.222
78.75	1105.5	34.4	148.14	2.5206	1.222
79.00	1105.5	34.4	148.15	2.5158	1.222
79.25	1105.5	34.3	148.15	2.5110	1.222
79.50	1105.4	34.3	148.15	2.5063	1.222
79.75	1105.4	34.3	148.15	2.5016	1.222
80.00	1105.4	34.3	148.15	2.4969	1.222
80.25	1105.4	34.3	148.15	2.4922	1.222
80.50	1105.4	34.3	148.15	2.4876	1.222
80.75	1105.5	34.3	148.15	2.4830	1.222
81.00	1105.5	34.3	148.15	2.4784	1.222
81.25	1105.5	34.3	148.15	2.4738	1.222
81.50	1105.5	34.3	148.15	2.4693	1.222
81.75	1105.5	34.3	148.15	2.4648	1.222
82.00	1105.5	34.3	148.15	2.4604	1.222
82.25	1105.5	34.4	148.15	2.4559	1.222
82.50	1105.5	34.3	148.15	2.4515	1.222
82.75	1105.5	34.4	148.15	2.4471	1.222
83.00	1105.4	34.3	148.15	2.4428	1.222
83.25	1105.4	34.3	148.15	2.4384	1.222
83.50	1105.4	34.3	148.14	2.4341	1.222
83.75	1105.5	34.3	148.14	2.4299	1.222
84.00	1105.5	34.3	148.14	2.4256	1.222
84.25	1105.5	34.3	148.14	2.4214	1.222
84.50	1105.5	34.3	148.14	2.4172	1.222
84.75	1105.5	34.3	148.15	2.4130	1.222
85.00	1105.5	34.4	148.14	2.4088	1.222
85.25	1105.5	34.3	148.14	2.4047	1.222
85.50	1105.5	34.4	148.14	2.4006	1.222
85.75	1105.5	34.4	148.14	2.3965	1.222
86.00	1105.5	34.3	148.14	2.3924	1.222
86.25	1105.5	34.3	148.15	2.3884	1.222
86.50	1105.5	34.3	148.15	2.3844	1.222
86.75	1105.5	34.3	148.15	2.3804	1.222
87.00	1105.5	34.3	148.14	2.3764	1.222

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10679 Dst#1 Western Operating Co. 1-X Siverson

DATE: 06/18/98 TIME: 10:27:25

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
87.25	1105.5	34.3	148.15	2.3725	1.222
87.50	1105.5	34.3	148.14	2.3686	1.222
87.75	1105.5	34.3	148.15	2.3647	1.222
88.00	1105.5	34.3	148.14	2.3608	1.222
88.25	1105.5	34.4	148.15	2.3569	1.222
88.50	1105.5	34.4	148.15	2.3531	1.222
88.75	1105.5	34.4	148.15	2.3493	1.222
89.00	1105.5	34.4	148.15	2.3455	1.222
89.25	1105.5	34.4	148.15	2.3417	1.222
89.50	1105.5	34.4	148.15	2.3380	1.222
89.75	1105.5	34.4	148.15	2.3343	1.222
90.00	1105.5	34.4	148.15	2.3306	1.222
90.25	1105.5	34.4	148.15	2.3269	1.222
90.50	1105.5	34.4	148.15	2.3232	1.222
90.75	1105.5	34.4	148.15	2.3196	1.222
91.00	1105.5	34.4	148.15	2.3159	1.222
91.25	1105.5	34.4	148.15	2.3123	1.222
91.50	1105.5	34.4	148.15	2.3087	1.222
91.75	1105.5	34.4	148.15	2.3052	1.222
92.00	1105.5	34.4	148.15	2.3016	1.222
92.25	1105.5	34.4	148.15	2.2981	1.222
92.50	1105.5	34.4	148.15	2.2946	1.222
92.75	1105.5	34.4	148.15	2.2911	1.222
93.00	1105.5	34.4	148.15	2.2876	1.222
93.25	1105.5	34.4	148.16	2.2842	1.222
93.50	1105.5	34.4	148.15	2.2807	1.222
93.75	1105.5	34.4	148.15	2.2773	1.222
94.00	1105.5	34.4	148.15	2.2739	1.222
94.25	1105.5	34.4	148.16	2.2706	1.222
94.50	1105.5	34.4	148.16	2.2672	1.222
94.75	1105.5	34.4	148.16	2.2639	1.222
95.00	1105.5	34.4	148.16	2.2605	1.222
95.25	1105.5	34.4	148.16	2.2572	1.222
95.50	1105.5	34.4	148.16	2.2539	1.222
95.75	1105.5	34.4	148.16	2.2507	1.222
96.00	1105.5	34.4	148.16	2.2474	1.222
96.25	1105.5	34.4	148.16	2.2442	1.222
96.50	1105.5	34.4	148.16	2.2409	1.222
96.75	1105.5	34.4	148.16	2.2377	1.222
97.00	1105.5	34.4	148.16	2.2345	1.222
97.25	1105.5	34.4	148.16	2.2314	1.222
97.50	1105.5	34.4	148.16	2.2282	1.222
97.75	1105.5	34.4	148.16	2.2251	1.222
98.00	1105.5	34.4	148.17	2.2219	1.222
98.25	1105.5	34.4	148.17	2.2188	1.222
98.50	1105.5	34.4	148.16	2.2157	1.222
98.75	1105.5	34.4	148.17	2.2127	1.222
99.00	1105.5	34.4	148.16	2.2096	1.222
99.25	1105.5	34.4	148.17	2.2065	1.222
99.50	1105.4	34.3	148.17	2.2035	1.222
99.75	1105.5	34.4	148.16	2.2005	1.222

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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10679 Dst#1 Western Operating Co. 1-X Siverson

DATE: 06/18/98

TIME: 10:27:25  
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Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
100.00	1105.5	34.4	148.17	2.1975	1.222
100.25	1105.5	34.3	148.17	2.1945	1.222
100.50	1105.4	34.3	148.17	2.1915	1.222
100.75	1105.5	34.3	148.17	2.1886	1.222
101.00	1105.5	34.3	148.17	2.1856	1.222
101.25	1105.5	34.3	148.17	2.1827	1.222
101.50	1105.5	34.3	148.18	2.1798	1.222
101.75	1105.5	34.3	148.17	2.1769	1.222
102.00	1105.5	34.3	148.17	2.1740	1.222
102.25	1105.5	34.3	148.18	2.1711	1.222
102.50	1105.5	34.3	148.18	2.1683	1.222
102.75	1105.4	34.3	148.18	2.1655	1.222
103.00	1105.4	34.3	148.18	2.1626	1.222
103.25	1105.4	34.3	148.18	2.1598	1.222
103.50	1105.4	34.3	148.19	2.1570	1.222
103.75	1105.4	34.3	148.19	2.1542	1.222
104.00	1105.5	34.3	148.19	2.1514	1.222
104.25	1105.5	34.3	148.19	2.1487	1.222
104.50	1105.5	34.4	148.19	2.1459	1.222
104.75	1105.5	34.4	148.19	2.1432	1.222
105.00	1105.5	34.3	148.19	2.1405	1.222
105.25	1105.5	34.3	148.20	2.1378	1.222
105.50	1105.5	34.3	148.20	2.1351	1.222
105.75	1105.5	34.3	148.20	2.1324	1.222
106.00	1105.5	34.3	148.19	2.1297	1.222
106.25	1105.4	34.3	148.19	2.1271	1.222
106.50	1105.5	34.4	148.19	2.1244	1.222
106.75	1105.5	34.4	148.20	2.1218	1.222
107.00	1105.5	34.4	148.21	2.1192	1.222
107.25	1105.5	34.4	148.20	2.1166	1.222
107.50	1105.5	34.4	148.20	2.1140	1.222
107.75	1105.5	34.4	148.21	2.1114	1.222
108.00	1105.5	34.4	148.20	2.1088	1.222
108.25	1105.5	34.4	148.21	2.1062	1.222
108.50	1105.5	34.4	148.21	2.1037	1.222
108.75	1105.5	34.4	148.21	2.1011	1.222
109.00	1105.5	34.4	148.20	2.0986	1.222
109.25	1105.5	34.4	148.20	2.0961	1.222
109.50	1105.5	34.4	148.21	2.0936	1.222
109.75	1105.5	34.4	148.20	2.0911	1.222
110.00	1105.5	34.3	148.21	2.0886	1.222
110.25	1105.5	34.3	148.21	2.0862	1.222
110.50	1105.5	34.4	148.21	2.0837	1.222
110.75	1105.5	34.4	148.21	2.0813	1.222
111.00	1105.5	34.4	148.21	2.0788	1.222
111.25	1105.5	34.4	148.21	2.0764	1.222
111.50	1105.5	34.4	148.21	2.0740	1.222
111.75	1105.5	34.4	148.20	2.0716	1.222
112.00	1105.5	34.4	148.20	2.0692	1.222
112.25	1105.5	34.4	148.21	2.0668	1.222
112.50	1105.5	34.4	148.20	2.0644	1.222

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10679 Dst#1 Western Operating Co. 1-X Siverson

DATE: 06/18/98 TIME: 10:27:25

Time	Pressure PSIg	delta P PSIg	P	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
112.75	1105.5	34.4		148.21	2.0621	1.222
113.00	1105.5	34.4		148.21	2.0597	1.222
113.25	1105.5	34.4		148.21	2.0574	1.222
113.50	1105.5	34.4		148.21	2.0551	1.222
113.75	1105.5	34.4		148.20	2.0527	1.222
114.00	1105.5	34.4		148.20	2.0504	1.222
114.25	1105.5	34.4		148.21	2.0481	1.222
114.50	1105.5	34.4		148.21	2.0459	1.222
114.75	1105.5	34.4		148.21	2.0436	1.222
115.00	1105.5	34.4		148.20	2.0413	1.222
115.25	1105.5	34.4		148.21	2.0390	1.222
115.50	1105.5	34.4		148.20	2.0368	1.222
115.75	1105.5	34.4		148.21	2.0346	1.222
116.00	1105.6	34.4		148.21	2.0323	1.222
116.25	1105.5	34.4		148.20	2.0301	1.222
116.50	1105.6	34.4		148.20	2.0279	1.222
116.75	1105.6	34.4		148.21	2.0257	1.222
117.00	1105.6	34.4		148.21	2.0235	1.222
117.25	1105.5	34.4		148.21	2.0213	1.222
117.50	1105.5	34.4		148.20	2.0191	1.222
117.75	1105.6	34.4		148.21	2.0170	1.222
118.00	1105.6	34.4		148.21	2.0148	1.222
118.25	1105.5	34.4		148.21	2.0127	1.222
118.50	1105.5	34.4		148.21	2.0105	1.222
118.75	1105.5	34.4		148.21	2.0084	1.222
119.00	1105.6	34.4		148.22	2.0063	1.222
119.25	1105.6	34.4		148.21	2.0042	1.222
119.50	1105.6	34.4		148.22	2.0021	1.222
119.75	1105.5	34.4		148.22	2.0000	1.222
120.00	1105.5	34.4		148.22	1.9979	1.222
120.25	1105.5	34.4		148.21	1.9958	1.222
120.50	1105.5	34.4		148.22	1.9938	1.222
120.75	1105.5	34.4		148.22	1.9917	1.222
***** End Shut-in 2						
***** Final Hydro.	443.75	2316.3	0.0	147.76		