

TRILOBITE TESTING L.L.C.

OPERATOR : Rheem Resources
WELL NAME: Anderson Trust #1
LOCATION : 33-16S-27W CO Lane KS
INTERVAL : 4140.00 To 4181.00 ft

DATE 3-6-98
KB 2647.00 ft
GR 2642.00 ft
TD 4181.00 ft

TICKET NO: 11217
FORMATION: L KC 180'
TEST TYPE: CONV.

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11058	11058	2342			PF Fr. 1955 to 2025 hr
SI 45 Range(Psi)	4500.0	4500.0	4995.0	0.0	0.0	IS Fr. 2025 to 2110 hr
SF 45 Clock(hrs)	12	12	alpin			SF Fr. 2110 to 2155 hr
FS 60 Depth(ft)	4178.0	4178.0	4152.0	0.0	0.0	FS Fr. 2155 to 2255 hr

	Field	1	2	3	4	
A. Init Hydro	2020.0	1992.0	2013.0	0.0	0.0	T STARTED 1805 hr
B. First Flow	66.0	90.0	25.0	0.0	0.0	T ON BOTM 1952 hr
B1. Final Flow	55.0	64.0	28.0	0.0	0.0	T OPEN 1955 hr
C. In Shut-in	311.0	321.0	304.0	0.0	0.0	T PULLED 2255 hr
D. Init Flow	66.0	74.0	29.0	0.0	0.0	T OUT 0110 hr
E. Final Flow	55.0	63.0	31.0	0.0	0.0	
F. Fl Shut-in	288.0	290.0	284.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2008.0	1987.0	2011.0	0.0	0.0	Tool Wt. 4000.00 lbs
Inside/Outside	i	i	o			Wt Set On Packer 26000.00 lbs
						Wt Pulled Loose 65000.00 lbs
						Initial Str Wt 53000.00 lbs
						Unseated Str Wt 53000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.50 in
						D.C. Length 0.00 ft
						D.P. Length 3260.00 ft
						H.W. I.D 3.50 in
						H.W. Length 882.00 ft

RECOVERY

Tot Fluid 15.00 ft of 0.00 ft in DC and 15.00 ft in DP
15.00 ft of drilling mud w/oil spec's on top
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 1800.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
1/2" blow died back to a weak surface
blow
Initial Shut-in:
No return
Final Flow:
Weak surface blow in 2 min. died
Final Shut-in:
No return

SAMPLES:
SENT TO:

Test Successful: Y

MUD DATA-----
Mud Type chem
Weight 9.00 lb/c.
Vis. 40.00 S/L
W.L. 8.00 in3
F.C. 0.00 in
Mud Drop N
Amt. of fill 1.00 ft
Btm. H. Temp. 110.00 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 Shane McBride
Co. Rep. Rick Harris
Contr. Shields
Rig # 2
Unit #
Pump T.

*** TOOL DIAGRAM *** CONV.

WELL NAME: Anderson Trust #1

LOCATION : 33-16S-27W CO Lane KS

TICKET No. 11217 D.S.T. No. 1 DATE 3-6-98

TOTAL TOOL TO BOTTOM OF TOP PACKERS 22

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 41

TOTAL TOOL 63

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 63

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands67 Single Total 4142

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4205

TOTAL DEPTH 4181

TOTAL DRILL PIPE ABOVE K.B. 24

REMARKS:

P.O. SUB	
C.O. SUB 1'	4117
S.I. TOOL 5'	4123
HMV 5'	4128
JARS n/a	
SAFETY JOINT 2'	4130
PACKER top	4135
PACKER bottom	4140
DEPTH 4140	
STUBB 1'	4141
ANCHOR 11' perf	4152
alpine recorder	4152
24' perf	4176
T.C.	
DEPTH	
ak-1 recorder	4178
BULLNOSE 5' bull plug	4181
T.D.	4181

TEST HISTORY

11217 DST #1 Anderson Trust #1 Rheem Resources.

Flag Points

t(Min.) P(PSig)

A:	0.00	2013.88
B:	0.00	25.50
C:	31.00	28.56
D:	43.00	304.98
E:	0.00	29.32
F:	44.00	31.29
G:	62.00	284.89
Q:	0.00	2011.80

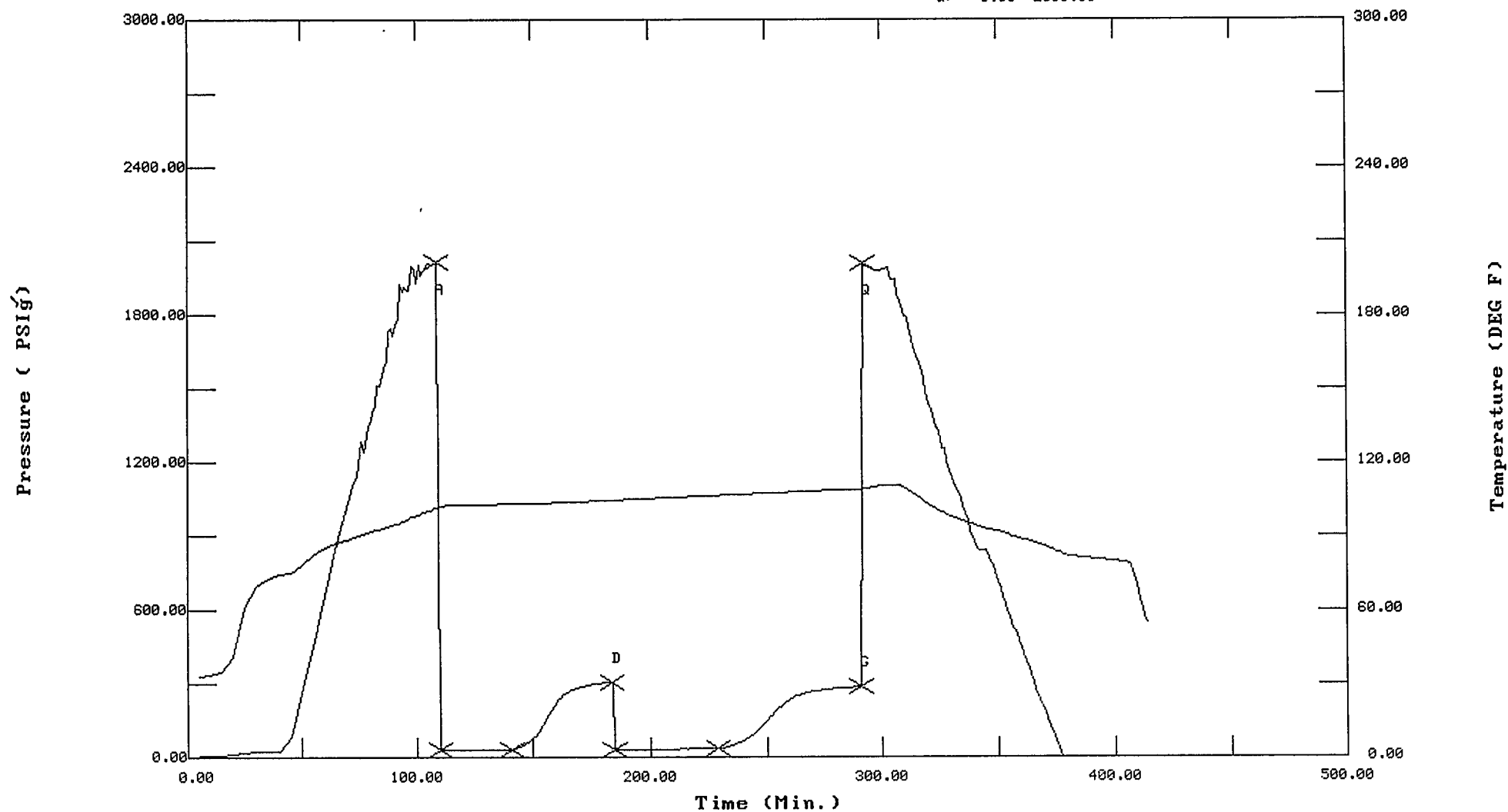
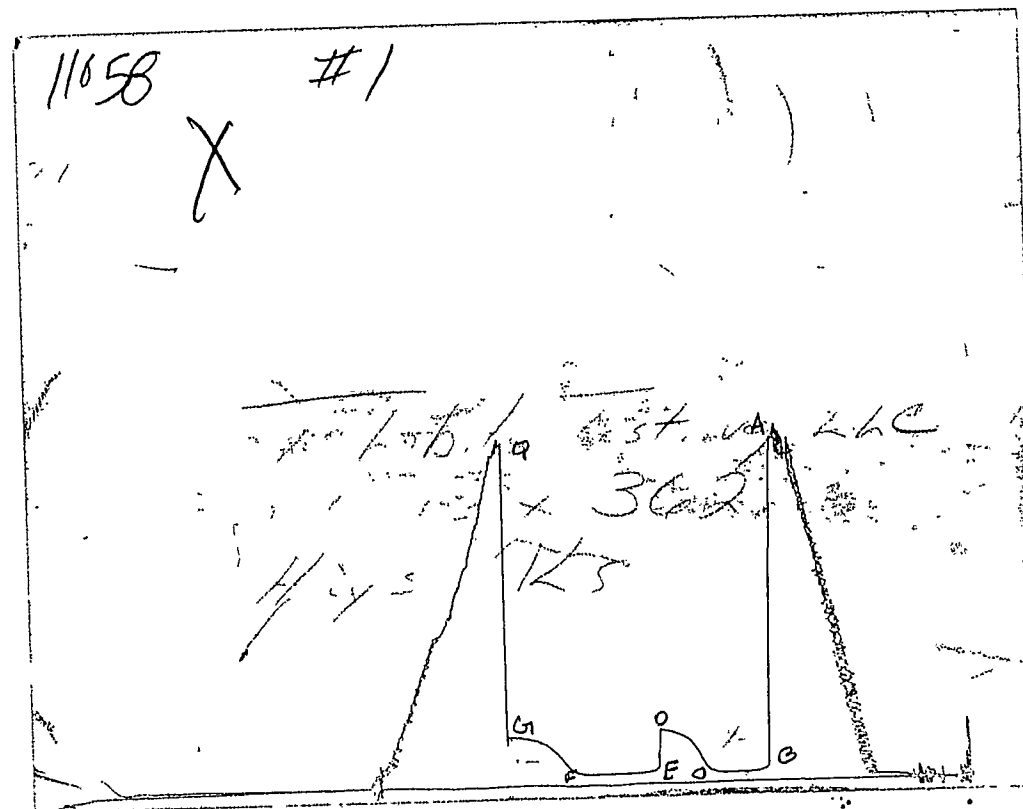


CHART PAGE



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

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11217 DST #1 Anderson Trust #1 Rheem Resources.

DATE: 03/07/98 TIME: 07:04:47

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	109.00	2013.9	0.0	101.42		
***** Start Flow 1	0.00	25.5	0.0	101.69		
	1.00	26.5	1.0	101.90		
	2.00	26.9	1.4	102.08		
	3.00	27.0	1.5	102.22		
	4.00	27.2	1.7	102.32		
	5.00	27.2	1.7	102.41		
	6.00	27.2	1.7	102.47		
	7.00	27.3	1.8	102.52		
	8.00	27.4	1.9	102.55		
	9.00	27.4	1.9	102.58		
	10.00	27.4	1.9	102.60		
	11.00	27.4	1.9	102.62		
	12.00	27.5	2.0	102.64		
	13.00	27.6	2.1	102.65		
	14.00	27.8	2.3	102.66		
	15.00	27.7	2.2	102.68		
	16.00	27.8	2.3	102.68		
	17.00	27.8	2.3	102.70		
	18.00	27.8	2.3	102.71		
	19.00	28.0	2.5	102.71		
	20.00	28.0	2.5	102.73		
	21.00	28.1	2.6	102.74		
	22.00	28.1	2.6	102.76		
	23.00	28.1	2.6	102.76		
	24.00	28.4	2.9	102.77		
	25.00	28.5	3.0	102.79		
	26.00	28.5	3.0	102.80		
	27.00	28.4	2.9	102.81		
	28.00	28.6	3.1	102.83		
	29.00	28.5	3.0	102.85		
	30.00	28.5	3.0	102.87		
***** End Flow 1	31.00	28.6	3.1	102.88		
***** Start Shutin 1	0.00	28.6	0.0	102.88	0.0000	0.001
	1.00	30.6	2.0	102.91	32.0000	0.001
	2.00	33.7	5.2	102.92	16.5000	0.001
	3.00	37.3	8.7	102.95	11.3333	0.001
	4.00	41.3	12.8	102.97	8.7500	0.002
	5.00	46.2	17.6	103.00	7.2000	0.002
	6.00	51.5	23.0	103.02	6.1667	0.003
	7.00	57.6	29.0	103.05	5.4286	0.003
	8.00	65.0	36.4	103.08	4.8750	0.004
	9.00	73.5	44.9	103.10	4.4444	0.005
	10.00	83.2	54.7	103.13	4.1000	0.007
	11.00	94.8	66.2	103.17	3.8182	0.009
	12.00	107.9	79.4	103.20	3.5833	0.012
	13.00	122.9	94.4	103.22	3.3846	0.015
	14.00	138.4	109.8	103.26	3.2143	0.019
	15.00	154.9	126.3	103.30	3.0667	0.024
	16.00	171.6	143.1	103.33	2.9375	0.029
	17.00	188.4	159.9	103.37	2.8235	0.036

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11217 DST #1 Anderson Trust #1 Rheem Resources.

DATE: 03/07/98 TIME: 07:04:47

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
18.00	203.8	175.3	103.41	2.7222	0.042
19.00	216.1	187.6	103.45	2.6316	0.047
20.00	229.2	200.6	103.48	2.5500	0.053
21.00	240.3	211.8	103.53	2.4762	0.058
22.00	249.3	220.7	103.56	2.4091	0.062
23.00	257.2	228.6	103.61	2.3478	0.066
24.00	263.4	234.8	103.64	2.2917	0.069
25.00	268.5	239.9	103.69	2.2400	0.072
26.00	272.6	244.0	103.72	2.1923	0.074
27.00	276.1	247.6	103.76	2.1481	0.076
28.00	279.3	250.7	103.81	2.1071	0.078
29.00	282.0	253.5	103.85	2.0690	0.080
30.00	285.3	256.7	103.89	2.0333	0.081
31.00	288.2	259.6	103.91	2.0000	0.083
32.00	290.5	261.9	103.96	1.9688	0.084
33.00	292.5	264.0	103.99	1.9394	0.086
34.00	294.4	265.9	104.04	1.9118	0.087
35.00	295.9	267.3	104.08	1.8857	0.088
36.00	297.2	268.7	104.12	1.8611	0.088
37.00	298.6	270.0	104.15	1.8378	0.089
38.00	299.8	271.3	104.20	1.8158	0.090
39.00	301.0	272.5	104.24	1.7949	0.091
40.00	302.1	273.5	104.27	1.7750	0.091
41.00	303.1	274.5	104.32	1.7561	0.092
42.00	303.9	275.4	104.35	1.7381	0.092
43.00	305.0	276.4	104.39	1.7209	0.093

***** End Shut-in 1

***** Start Flow 2

0.00	29.3	0.0	104.43
1.00	29.2	-0.1	104.47
2.00	29.2	-0.1	104.51
3.00	29.6	0.2	104.55
4.00	29.7	0.4	104.60
5.00	29.7	0.4	104.65
6.00	29.9	0.6	104.69
7.00	29.9	0.6	104.74
8.00	30.0	0.7	104.78
9.00	30.0	0.7	104.82
10.00	30.1	0.8	104.87
11.00	30.1	0.8	104.91
12.00	30.1	0.8	104.95
13.00	30.2	0.9	105.01
14.00	30.3	1	105.06
15.00	30.3	0.9	105.09
16.00	30.1	0.8	105.14
17.00	30.1	0.8	105.19
18.00	30.1	0.8	105.24
19.00	30.2	0.9	105.28
20.00	30.3	1.0	105.32
21.00	30.3	0.9	105.37
22.00	30.4	1.1	105.41
23.00	30.3	1	105.45
24.00	30.4	1.0	105.50

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11217 DST #1 Anderson Trust #1 Rheem Resources.

DATE: 03/07/98 TIME: 07:04:47

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	25.00	30.6	1.3	105.53		
	26.00	30.4	1.1	105.58		
	27.00	30.6	1.3	105.63		
	28.00	30.7	1.3	105.67		
	29.00	30.7	1.3	105.71		
	30.00	30.6	1.3	105.75		
	31.00	30.6	1.3	105.79		
	32.00	30.8	1.4	105.84		
	33.00	30.9	1.6	105.88		
	34.00	30.9	1.6	105.92		
	35.00	31.0	1.6	105.96		
	36.00	31.0	1.6	106.00		
	37.00	30.9	1.6	106.05		
	38.00	31.2	1.9	106.09		
	39.00	31.2	1.9	106.13		
	40.00	30.9	1.6	106.17		
	41.00	31.2	1.9	106.22		
	42.00	31.3	2.0	106.26		
	43.00	31.2	1.9	106.30		
***** End Flow 2	44.00	31.3	2.0	106.34		
***** Start Shutin 2	0.00	31.3	0.0	106.34	0.0000	0.001
	1.00	30.9	-0.4	106.39	76.0000	0.001
	2.00	33.6	2.3	106.43	38.5000	0.001
	3.00	36.2	4.9	106.46	26.0000	0.001
	4.00	38.9	7.7	106.51	19.7500	0.002
	5.00	41.8	10.5	106.55	16.0000	0.002
	6.00	44.8	13.6	106.60	13.5000	0.002
	7.00	48.2	16.9	106.63	11.7143	0.002
	8.00	51.9	20.6	106.68	10.3750	0.003
	9.00	56.0	24.7	106.72	9.3333	0.003
	10.00	60.6	29.3	106.76	8.5000	0.004
	11.00	65.5	34.2	106.80	7.8182	0.004
	12.00	70.8	39.5	106.85	7.2500	0.005
	13.00	76.5	45.2	106.89	6.7692	0.006
	14.00	83.2	51.9	106.93	6.3571	0.007
	15.00	90.4	59.1	106.97	6.0000	0.008
	16.00	98.5	67.2	107.01	5.6875	0.01
	17.00	107.0	75.8	107.05	5.4118	0.011
	18.00	116.4	85.1	107.09	5.1667	0.014
	19.00	126.3	95.0	107.13	4.9474	0.016
	20.00	136.5	105.2	107.18	4.7500	0.019
	21.00	146.9	115.6	107.21	4.5714	0.022
	22.00	157.4	126.1	107.25	4.4091	0.025
	23.00	167.8	136.5	107.29	4.2609	0.028
	24.00	177.8	146.5	107.33	4.1250	0.032
	25.00	187.4	156.1	107.38	4.0000	0.035
	26.00	196.4	165.1	107.42	3.8846	0.039
	27.00	204.8	173.6	107.46	3.7778	0.042
	28.00	212.7	181.4	107.50	3.6786	0.045
	29.00	219.7	188.4	107.54	3.5862	0.048
	30.00	226.4	195.1	107.58	3.5000	0.051

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11217 DST #1 Anderson Trust #1 Rheem Resources.

DATE: 03/07/98

TIME: 07:04:47

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	31.00	232.3	201.1	107.62	3.4194	0.054
	32.00	237.6	206.4	107.65	3.3438	0.056
	33.00	242.6	211.3	107.69	3.2727	0.059
	34.00	247.1	215.8	107.74	3.2059	0.061
	35.00	251.0	219.7	107.78	3.1429	0.063
	36.00	254.6	223.3	107.82	3.0833	0.065
	37.00	257.6	226.3	107.85	3.0270	0.066
	38.00	260.4	229.2	107.89	2.9737	0.068
	39.00	262.7	231.4	107.92	2.9231	0.069
	40.00	264.7	233.4	107.97	2.8750	0.070
	41.00	266.5	235.2	108.01	2.8293	0.071
	42.00	268.0	236.7	108.07	2.7857	0.072
	43.00	269.4	238.1	108.11	2.7442	0.073
	44.00	270.7	239.4	108.16	2.7045	0.073
	45.00	271.8	240.5	108.20	2.6667	0.074
	46.00	272.9	241.6	108.24	2.6304	0.074
	47.00	273.9	242.7	108.27	2.5957	0.075
	48.00	275.1	243.8	108.30	2.5625	0.076
	49.00	275.9	244.6	108.34	2.5306	0.076
	50.00	277.0	245.7	108.37	2.5000	0.077
	51.00	277.8	246.5	108.40	2.4706	0.077
	52.00	278.6	247.4	108.44	2.4423	0.078
	53.00	279.4	248.1	108.48	2.4151	0.078
	54.00	280.1	248.8	108.51	2.3889	0.078
	55.00	280.8	249.5	108.54	2.3636	0.079
	56.00	281.5	250.2	108.57	2.3393	0.079
	57.00	282.1	250.9	108.60	2.3158	0.080
	58.00	282.8	251.5	108.65	2.2931	0.080
	59.00	283.3	252.0	108.67	2.2712	0.080
	60.00	283.8	252.5	108.70	2.2500	0.081
	61.00	284.4	253.1	108.73	2.2295	0.081
***** End Shut-in 2	62.00	284.9	253.6	108.76	2.2097	0.081
***** Final Hydro.	292.00	2011.8	0.0	108.86		