

WELL NAME: Warring Trust #1
COMPANY: Bonneville Fuels Corp.
LOCATION: 3-32s-40w
Morton County, Kansas
DATE: 9/10/98

TRILOBITE TESTING L.L.C.

OPERATOR : Bonneville Fuels Corp.

DATE 9-8-98

WELL NAME: Warring Trust #1

KB 3312.00 ft

TICKET NO: 10773

DST #1

LOCATION : 3-32S-40W Morton co. KS

GR 3301.00 ft

FORMATION: Keys

INTERVAL : 5208.00 To 5229.00 ft

TD 5229.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	10242	10242	Alpine			PF Fr. 0020 to 0035 hr
SI 30 Range(Psi)	4100.0	4100.0	5000.0	0.0	0.0	IS Fr. 0035 to 0105 hr
SF 60 Clock(hrs)	12 HR	12 HR	12 HR			SF Fr. 0105 to 0205 hr
FS 120 Depth(ft)	5226.0	5226.0	5210.0	0.0	0.0	FS Fr. 0205 to 0405 hr

	Field	1	2	3	4	
A. Init Hydro	2530.0	2537.0	2487.0	0.0	0.0	T STARTED 2150 hr
B. First Flow	28.0	40.0	26.0	0.0	0.0	T ON BOTM 0018 hr
B1. Final Flow	28.0	40.0	36.0	0.0	0.0	T OPEN 0020 hr
C. In Shut-in	1271.0	1277.0	1260.0	0.0	0.0	T PULLED 0405 hr
D. Init Flow	49.0	58.0	38.0	0.0	0.0	T OUT 0815 hr
E. Final Flow	49.0	58.0	69.0	0.0	0.0	
F. Fl Shut-in	1476.0	1477.0	1447.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2511.0	2524.0	2468.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 15000.00 lbs
						Initial Str Wt 68000.00 lbs
						Unseated Str Wt 70000.00 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 700.00 ft
						D.P. Length 4489.00 ft

RECOVERY

Tot Fluid 120.00 ft of 120.00 ft in DC and 0.00 ft in DP
 5069.00 ft of Gas in pipe
 90.00 ft of Clean Gassy Oil 20% Gas 80% Oil
 30.00 ft of Heavly Mud cut Gassy Oil
 0.00 ft of 5% gas 49% oil 46% mud
 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 48.00

BLOW DESCRIPTION

Initial Flow:

Weak 1", built to strong off bottom
 of bucket in 4 mins.

Initial Shut-in:

No blow-back.

Final Flow:

Strong, off bottom of bucket immediatly
 gas to surface in 43 mins.

Final Shut-in:

1" blow-back.

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	60.00 S/L
W.L.	7.20 in3
F.C.	0.00 in
Mud Drop Y	20.0 ft
Amt. of fill	0.00 ft
Btm. H. Temp.	136.00 F
Hole Condition	Good
% Porosity	13.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Lanny Saloga
Co. Rep.	Ron Nelson
Contr.	Cheyenne
Rig #	3
Unit #	
Pump T.	

SAMPLES: One

SENT TO: Caraway

Test Successful: Y

GAS RECOVERY -----

COMPANY: Bonneville Fuels Corp.

DATE: 9-8-98

WELL NAME: Warring Trust #1

KB Elev: 3312.00 ft TICKET #10773 DST #1

WELL LOCATION: 3-32S-40W

GR Elev: 3301.00 ft FORMATION: Keys

INTERVAL Fr.: 5208.00 To 5229.00 T.D.: 5229.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla Orifice

*** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
45	0.25	0	10	5320.0
55	0.25	0	18	7120.0

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Warring Trust #1

LOCATION : 3-32S-40W

TICKET No. 10773 D.S.T. No. 1 DATE 9-8-98

TOTAL TOOL TO BOTTOM OF TOP PACKERS 30

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 21

TOTAL TOOL 51

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

D.C. ABOVE TOOLS.Stands 12 Single Total 700

D.P. ABOVE TOOLS.Stands 72 Single 1 Total 4489

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5240

TOTAL DEPTH 5229

TOTAL DRILL PIPE ABOVE K.B. 11

REMARKS:

FLUID SAMPLER DATA

Total Vol. 5000 ML.
Total Vol. Rec. 3700 ML.
Oil 3700 ML.
Mud 0 ML.
Wtr. 0 ML.
Gas 11.4 CF.
Psi. 775
Bht. 136 F.
Pit RW. 4.3 Ohms at 66 F. 1,400 PPM.
Rec RW. --- Ohms at -- F. ----- PPM.
Gravity 48 at 60 F.

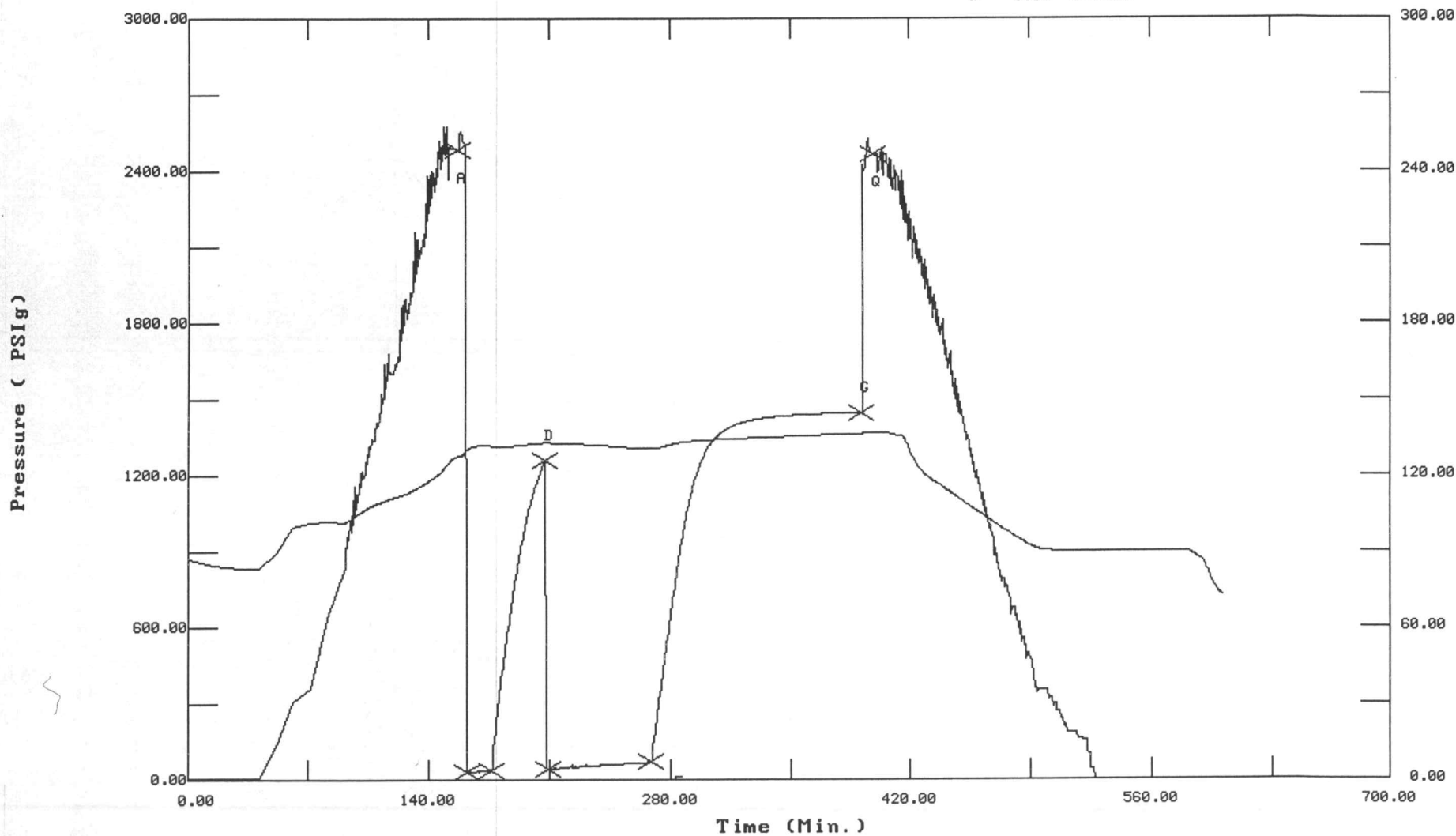
P.O. SUB Cir. sub	5118
C.O. SUB Top of tool	5178
Double pin	5179
S.I. TOOL H&T	5184
Sampler	5187
HMV Sterling	5192
JARS Sterling	5197
SAFETY JOINT Bowen	5199
PACKER Sparton	5204
PACKER Sparton	5208
DEPTH	
STUBB Rec. sub	5210
ANCHOR Alpine	5210
T.C.	
DEPTH	
Pu sub	5215
AK-1	5226
12 ft. perfs	5227
BULLNOSE 2 ft. perf	
T.D.	5229

TEST HISTORY

10773 D.S.T.#1 Warring Trust #1 Bonneville Fuels Corp.

Flag Points
t(Min.) P(PSIg)

A: 0.00 2487.33
B: 0.00 26.38
C: 14.50 36.15
D: 31.00 1260.32
E: 0.00 38.78
F: 60.00 69.00
G: 122.50 1447.23
Q: 0.00 2468.60



WELL NAME: Warring Trust #1
COMPANY: Bonneville Fuels Corp.
LOCATION: 3-32s-40w
Morton County, Kansas
DATE: 9/28/98

TRILOBITE TESTING L.L.C.

OPERATOR : Bonneville Fuels Corp.

DATE 9-20-98

WELL NAME: Warring Trust #1

KB 3312.00 ft

TICKET NO: 10775

DST #2

LOCATION : 3-32S-40W Morton co. KS

GR 3301.00 ft

FORMATION: Keys

INTERVAL : 5195.00 To 5220.00 ft

TD 5220.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	10242	10242	Alpine			PF Fr. 1305 to 1320 hr
SI 60 Range(Psi)	4100.0	4100.0	5000.0	0.0	0.0	IS Fr. 1320 to 1420 hr
SF 60 Clock(hrs)	12 HR	12 HR	12 HR			SF Fr. 1420 to 1520 hr
FS 120 Depth(ft)	5217.0	5217.0	5197.0	0.0	0.0	FS Fr. 1520 to 1720 hr

	Field	1	2	3	4	
A. Init Hydro	2552.0	2580.0	2522.0	0.0	0.0	T STARTED 1110 hr
B. First Flow	32.0	73.0	26.0	0.0	0.0	T ON BOTM 1302 hr
B1. Final Flow	32.0	63.0	31.0	0.0	0.0	T OPEN 1305 hr
C. In Shut-in	296.0	320.0	332.0	0.0	0.0	T PULLED 1720 hr
D. Init Flow	35.0	52.0	33.0	0.0	0.0	T OUT 0015 hr
E. Final Flow	35.0	52.0	41.0	0.0	0.0	
F. Fl Shut-in	534.0	558.0	548.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2511.0	2524.0	2499.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 22000.00 lbs
						Wt Pulled Loose 38000.00 lbs
						Initial Str Wt 82000.00 lbs
						Unseated Str Wt 82000.00 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 670.00 ft
						D.P. Length 4521.00 ft

RECOVERY

Tot Fluid 60.00 ft of 60.00 ft in DC and 0.00 ft in DP
 60.00 ft of Slight Oil cut Mud 5% Oil 95% Mud
 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 48.00

BLOW DESCRIPTION

Initial Flow:

Weak 1/2", built to 6" in 15 min.

Initial Shut-in:

No blow back

Final Flow:

Fair 6", built to strong off bottom
 of bucket in 9 mins.

Final Shut-in:

No blow back

Re-mark: Wall stuck 14 stds off bottom.

Bottom of tool at 4345'. C-sub at 4230.

DC int. From 3620' to 4290'. Spot Oil.

SAMPLES: None

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	60.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop Y	40.0 ft
Amt. of fill	0.00 ft
Btm. H. Temp.	136.00 F
Hole Condition	Good
% Porosity	10.00
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.	Ron Nelson
Contr.	Cheyenne
Rig #	3
Unit #	
Pump T.	

Test Successful: Y

GAS RECOVERY

COMPANY: Bonneville Fuels Corp.

DATE: 9-23-98

WELL NAME: Warring Trust #1

KB Elev: 3312.00 ft TICKET #10976 DST #3

WELL LOCATION: 3-32S-40W

GR Elev: 3301.00 ft FORMATION: Keys

INTERVAL Fr.: 5197.00 To 5304.00 T.D.: 5616.00 ft TEST TYPE: CONV-STRADDLE

GAS RECOVERY MEASURED WITH Merla Orifice

**** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.75	24	0	449000.0
10	0.75	46	0	708000.0
15	0.75	60	0	872000.0

**** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	1.00	40	0	1162000.0
20	1.00	46	0	1291000.0
30	1.00	49	0	1357000.0
40	1.00	51	0	1401000.0
50	1.00	53	0	1444000.0
60	1.00	54	0	1466000.0

*** TOOL DIAGRAM *** CONV-STRADDLE

WELL NAME: Warring Trust #1

LOCATION : 3-32S-40W

TICKET No. 10976 D.S.T. No. 3 DATE 9-23-98

TOTAL TOOL TO BOTTOM OF TOP PACKERS 30

INTERVAL TOOL 35

BOTTOM PACKERS AND ANCHOR 15

TOTAL TOOL 80

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 6 Single Total 369

TOTAL ASSEMBLY 449

D.C. ABOVE TOOLS.Stands 5 Single 1 Total 320

D.P. ABOVE TOOLS.Stands 78 Single 1 Total 4858

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5627

TOTAL DEPTH 5616

TOTAL DRILL PIPE ABOVE K.B. 11

REMARKS:

FLUID SAMPLER DATA

Total Vol. 5000 ML.

Total Vol. Rec. 0 ML.

Oil 0 ML.

Mud 0 ML.

Wtr. 0 ML.

Gas 18.1 CF.

Psi. 1220

Bht. 129 F.

Pit RW. 3.0 Ohms at 63 F. 2,200 PPM.

Rec RW. --- Ohms at -- F. ----- PPM.

Gravity --- at -- F.

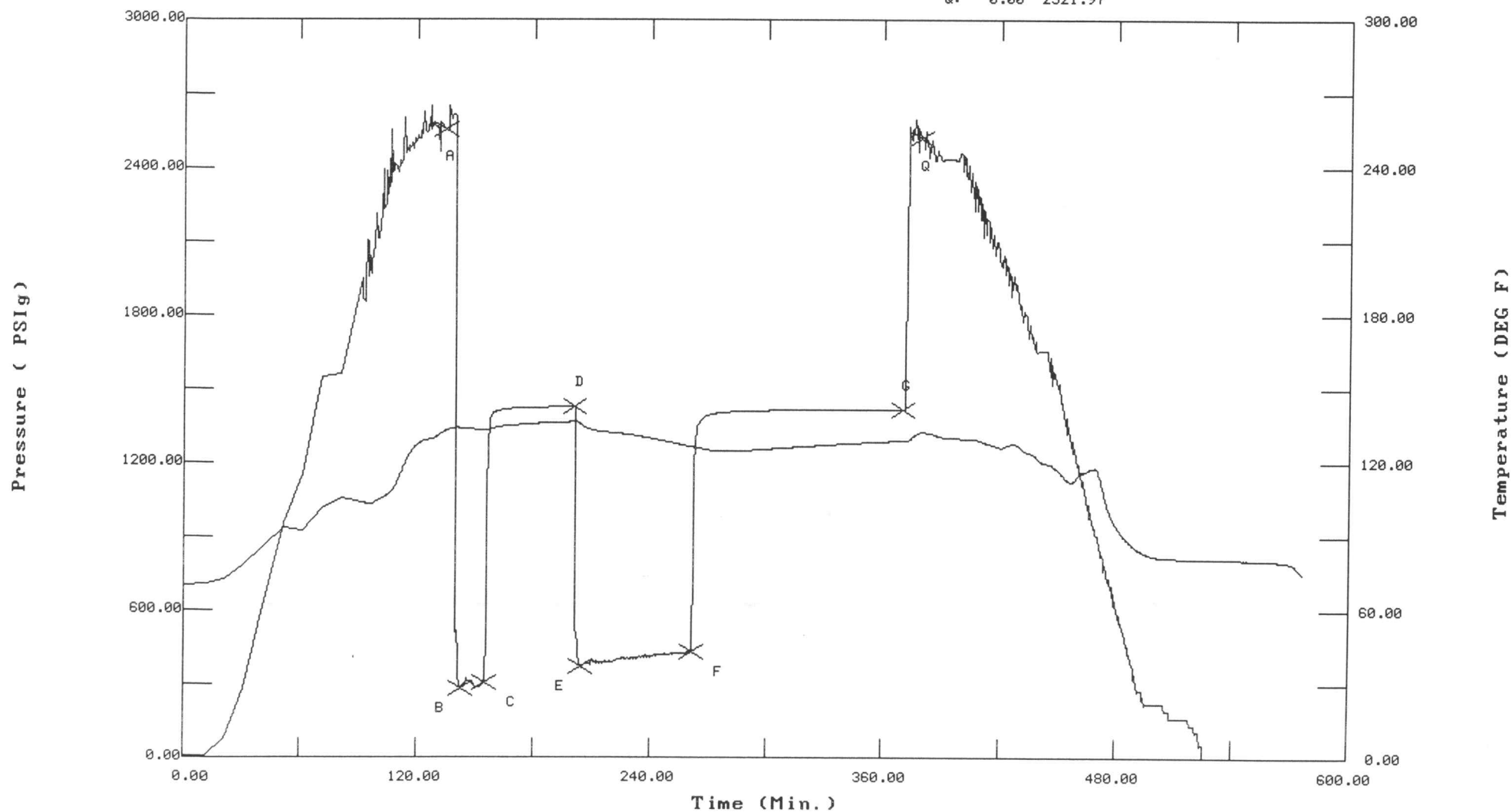
P.O. SUB Cir. sub	5107
C.O. SUB Top of tool	5167
Co. sub	5168
S.I. TOOL H&T	5173
Sampler	5176
HMV Sterling	5181
JARS Sterling	5186
SAFETY JOINT Bowen	5188
PACKER Sparton	5193
PACKER Sparton	5197
DEPTH	
STUBB 4 ft. perfs	5202
ANCHOR Co. sub	5203
Alpine	5203
1 std. 1 single DP	5295
Co. sub	5296
AK-1	5298
Pu. sub	5301
Blank	5301
3 ft. packer	5304
T.C.	
DEPTH	
PACKER Shale "Center"	5304
2 ft. packer	5306
AK-1	5328
25 ft. perfs	5331
Rec. sub	5332
3 ft. perf	5335
Co. sub	5336
4 stds 1 single DP	5613
Co. sub	5614
BULLNOSE 2 ft. perf	
T.D.	5616

TEST HISTORY

10976 D.S.T.#3 Warring Trust #1 Bonneville Fuels Corp.

Flag Points
t(Min.) P(PSig)

A: 0.00 2554.36
B: 0.00 277.02
C: 12.50 304.60
D: 46.00 1428.51
E: 0.00 369.85
F: 57.00 427.31
G: 108.50 1417.81
Q: 0.00 2521.97



Operator.....: Bonneville Fuels Corp
Well Name.....: Warring Trust #1
DST Number.....: 3

Location.: 3-32S-40W
Test Type: Conv
Formation: Keyes

Recorder No...: Alpine
Recorder Depth: 5203
Test Interval.: 5197-5304

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

RESERVOIR PARAMETERS USED:

Net Pay.....: 5.00 ft
Porosity.....: 12.00 %
Bottom Hole Temp.....: 129.00 F
Specific Gravity.....: 0.720
Z factor.....: .9972
Compressibility.....: 0.002480 /psi
Viscosity.....: 0.0147 cp
Total Flowing Time.....: 75.00 min.
Flow Rate.....: 1466.00 mcf/d
Final Flowing Pressure.....: 427.00 psi
Horner Slope.....: 0.0904 *10⁶ psi²/cycle
Extrapolated Pressure.....: 1424.52 psi
Assumed Drainage Radius.....: 1500.00 ft
Well Bore Radius.....: 3.94 in

RESULTS:

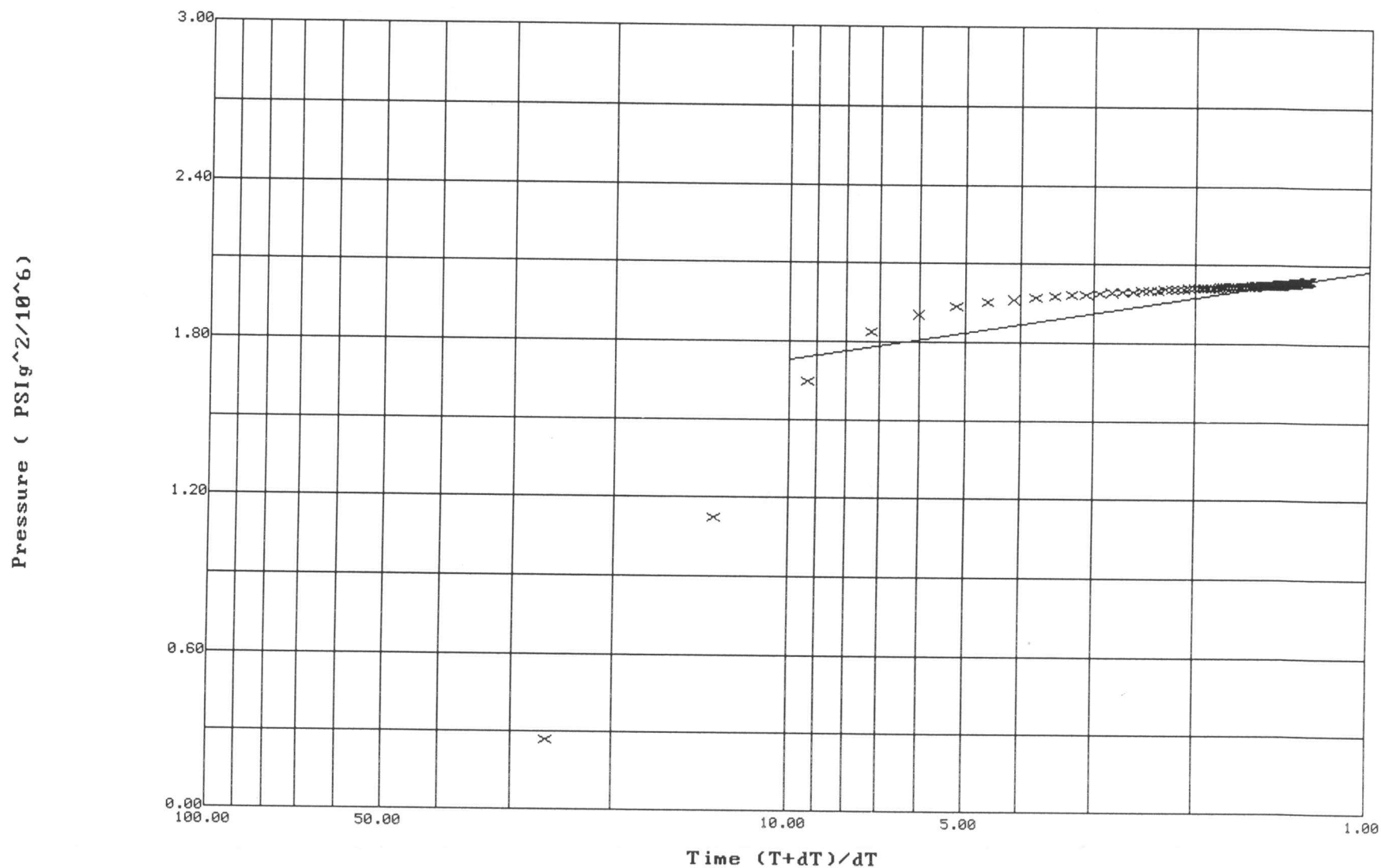
Effective Permeability.....: 45.810399 md
Flow Capacity.....: 229.0520 md.ft
Transmissibility.....: 15581.7685 md.ft/cp
Skin Factor.....: 20.4097
Pressure Drop Across Skin.....: 909.2894 psi
Radius of Investigation.....: 104.9204 ft
Damage Ratio.....: 4.5640
Absolute Open Flow.....: 1610.4181 mcf/d
Absolute Open Flow W/O Damage.: 7349.8735 mcf/d
Estimated Stabilized AOF.....: 3141.9765 mcf/d

P² Horner Plot: shut-in #1

10976 D.S.T.#3 Warring Trust #1 Bonneville Fuels Corp.

Slope: 0.3491 PSig²/10⁶/cycle

Ext. Pressure: 1441.2126 PSig

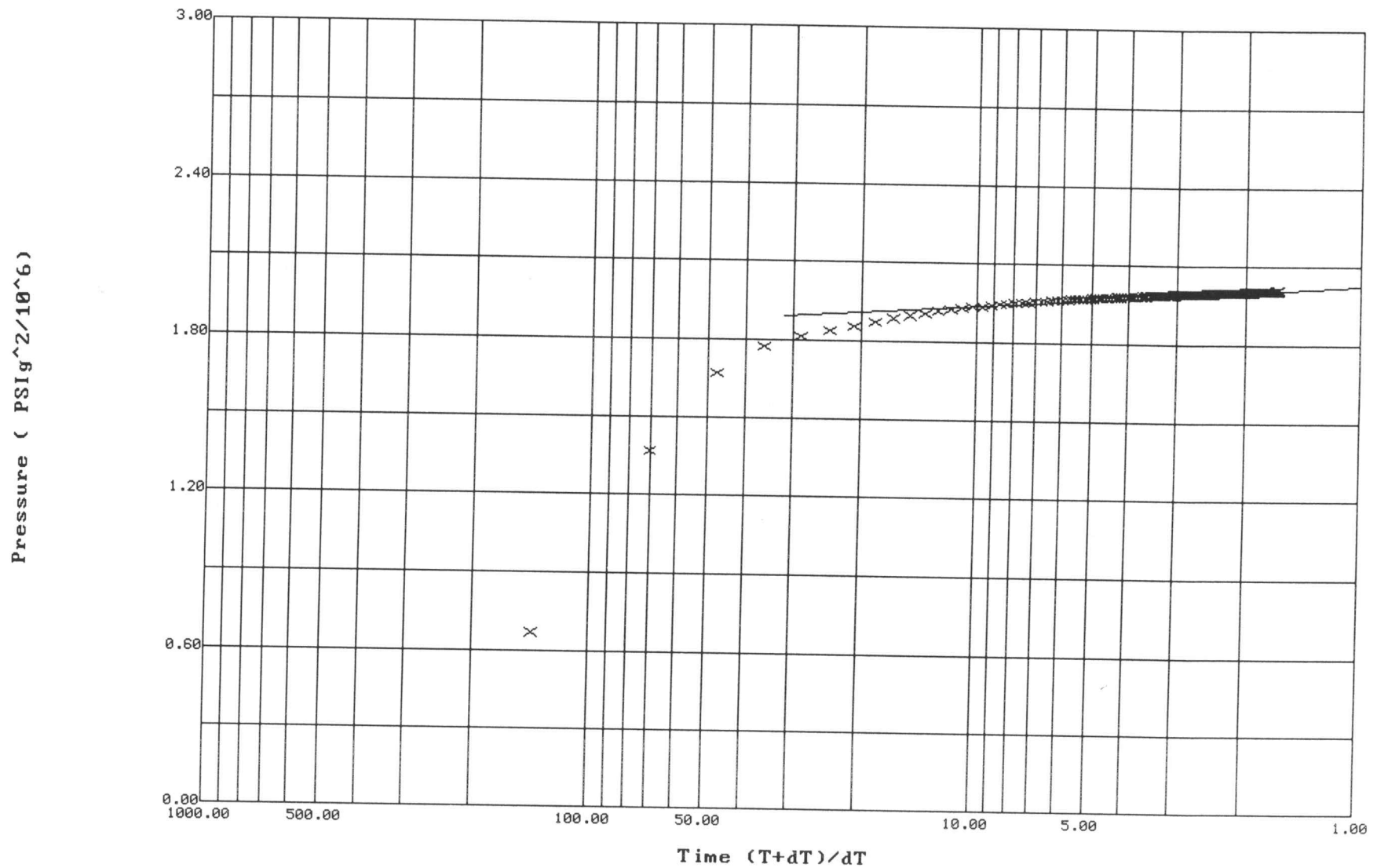


P² Horner Plot: shut-in #2

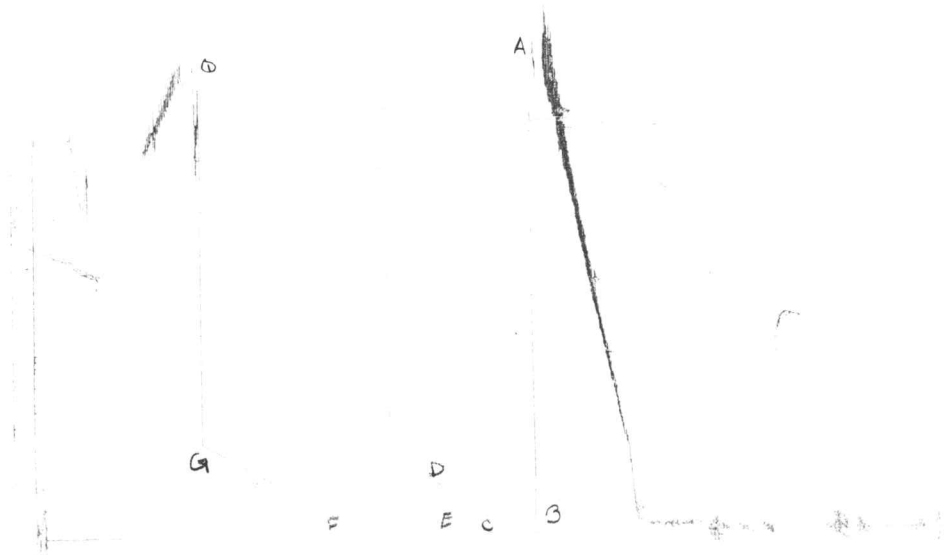
10976 D.S.T.#3 Warring Trust #1 Bonneville Fuels Corp.

Slope: 0.0904 PSig²/10⁶/cycle

Ext. Pressure: 1424.5178 PSig



10242
DST #2
Warning Trust
#1



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 10775 Date 9-20-98

Company Name Bonawille Fuels

Lease Warring Trust #1 Test No. 2

County Warton KS. Sec. 3 Twp. 32S Rng. 40W.

Total Vol. = 5000 ML.
SAMPLER RECOVERY

Gas 5.1 C.F. ~~ML~~

Oil 2025 ML

Mud 2475 ML

Water 0 ML

Other 0 ML

Pressure 350 PSI

Total Vol. Rec. 4500 ML

PIT MUD ANALYSIS

Chlorides 2,000 ppm.

Resistivity 2.3 ohms @ 88 F

Viscosity 60

Mud Weight 9.0

Filtrate 8.8

Other 4# L.C.M.

SAMPLER ANALYSIS

Resistivity — ohms @ — F

Chlorides — ppm.

Gravity — 48 corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity — ohms @ — F

Chlorides — ppm.

MIDDLE
Resistivity — ohms @ — F

Chlorides — ppm.

BOTTOM
Resistivity — ohms @ — F

Chlorides — ppm.

TRILOBITE TESTING L.L.C.

OPERATOR : Bonneville Fuels Corp.

DATE 9-23-98

WELL NAME: Warring Trust #1

KB 3312.00 ft

TICKET NO: 10976

DST #3

LOCATION : 3-32S-40W Morton co. KS

GR 3301.00 ft

FORMATION: Keys

INTERVAL : 5197.00 To 5304.00 ft

TD 5616.00 ft

TEST TYPE: CONV-STRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	10242	10242	Alpine	11019		PF Fr. 1410 to 1425 hr
SI 45 Range(Psi)	4100.0	4100.0	5000.0	4500.0	0.0	IS Fr. 1425 to 1510 hr
SF 60 Clock(hrs)	12 HR	12 HR	12 HR	12 HR		SF Fr. 1510 to 1610 hr
FS 105 Depth(ft)	5298.0	5298.0	5203.0	5328.0	0.0	FS Fr. 1610 to 1755 hr

	Field	1	2	3	4	
A. Init Hydro	2624.0	2648.0	2554.0	0.0	0.0	T STARTED 1200 hr
B. First Flow	357.0	384.0	277.0	0.0	0.0	T ON BOTM 1407 hr
B1. Final Flow	369.0	393.0	304.0	0.0	0.0	T OPEN 1410 hr
C. In Shut-in	1491.0	1514.0	1428.0	0.0	0.0	T PULLED 1755 hr
D. Init Flow	469.0	496.0	369.0	0.0	0.0	T OUT 2230 hr
E. Final Flow	494.0	523.0	427.0	0.0	0.0	
F. Fl Shut-in	1491.0	1498.0	1417.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2586.0	2594.0	2521.0	0.0	0.0	Tool Wt. 7800.00 lbs
Inside/Outside	O	O	I	S		Wt Set On Packer 35000.00 lbs
						Wt Pulled Loose 35000.00 lbs
						Initial Str Wt 74000.00 lbs
						Unseated Str Wt 75000.00 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 320.00 ft
						D.P. Length 4858.00 ft

RECOVERY

Tot Fluid 445.00 ft of 320.00 ft in DC and 125.00 ft in DP
 4733.00 ft of Gas in Pipe
 330.00 ft of Slight Oil & Gas cut Mud 8%Gas 4%Oil 88%Mud
 115.00 ft of Oil & Gas cut Mud 16%Gas 5%Oil 79%Mud
 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 0.00

BLOW DESCRIPTION

Initial Flow:

Strong, bottom of bucket in 45 sec.
 gas to surface in 4 minutes
 gauged 872,000 cfpd

Initial Shutin:

No blow back

Final Flow:

gauged 1,466,000 cfpd

Final Shutin:

No blow back

Gas burned

SAMPLES: One

SENT TO: Caraway

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	62.00 S/L
W.L.	6.80 in3
F.C.	0.00 in
Mud Drop Y	30.0 ft

Amt. of fill 0.00 ft

Btm. H. Temp. 129.00 F

Hole Condition Good

% Porosity 14.00

Packer Size 6.75 in

No. of Packers 3

Cushion Amt. 0.00

Cushion Type

Reversed Out N

Tool Chased N

Tester Lanny Saloga

Co. Rep. Ron Nelson

Contr. Cheyenne

Rig # 3

Unit #

Pump T.

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Warring Trust #1

LOCATION : 3-32S-40W

WELL No. 10775 D.S.T. No. 2 DATE 9-20-98

TOTAL TOOL TO BOTTOM OF TOP PACKERS 30

INTERVAL TOOL 30

BOTTOM PACKERS AND ANCHOR 25

TOTAL TOOL 55

WELL COLLAR ANCHOR IN INTERVAL 30

C. ANCHOR STAND.Stands Single Total

P. ANCHOR STAND.Stands Single Total

TOTAL ASSEMBLY 30

C. ABOVE TOOLS.Stands 11 Single 1 Total 670

P. ABOVE TOOLS.Stands 73 Single Total 4521

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5246

TOTAL DEPTH 5220

TOTAL DRILL PIPE ABOVE K.B. 26

MARKS:

FLUID SAMPLER DATA

Total Vol. 5000 ML.

Total Vol. Rec. 4500 ML.

Oil 2025 ML.

Gas 2475 ML.

Water 0 ML.

Acid 5.1 CF.

Sl. 350

Temp. 136 F.

Resist. RW. 2.3 Ohms at 88 F. 2,000 PPM.

Resist. RW. --- Ohms at -- F. ----- PPM.

Gravity 48 at 60 F.

P.O. SUB Cir. sub 5105

C.O. SUB Top of tool 5165

Co. sub 5166

S.I. TOOL H&T 5171

Sampler 5174

HMV Sterling 5179

JARS Sterling 5184

SAFETY JOINT Bowen 5186

PACKER Sparton 5191

PACKER Sparton 5195

DEPTH

STUBB Rec. sub 5197

ANCHOR Alpine 5197

T.C.
DEPTH

Pu. sub 5202

Ak-1 5117

16 ft. perfs 5218

BULLNOSE 2 ft. perf

T.D. 5220

TEST HISTORY

10775 D.S.T.#2 Warring Trust #1 Bonneville Fuels Corp.

Flag Points

t(Min.) P(PSIg)

A:	0.00	2522.47
B:	0.00	26.36
C:	14.00	31.71
D:	61.00	332.74
E:	0.00	33.59
F:	58.50	41.54
G:	122.50	548.93
Q:	0.00	2499.98

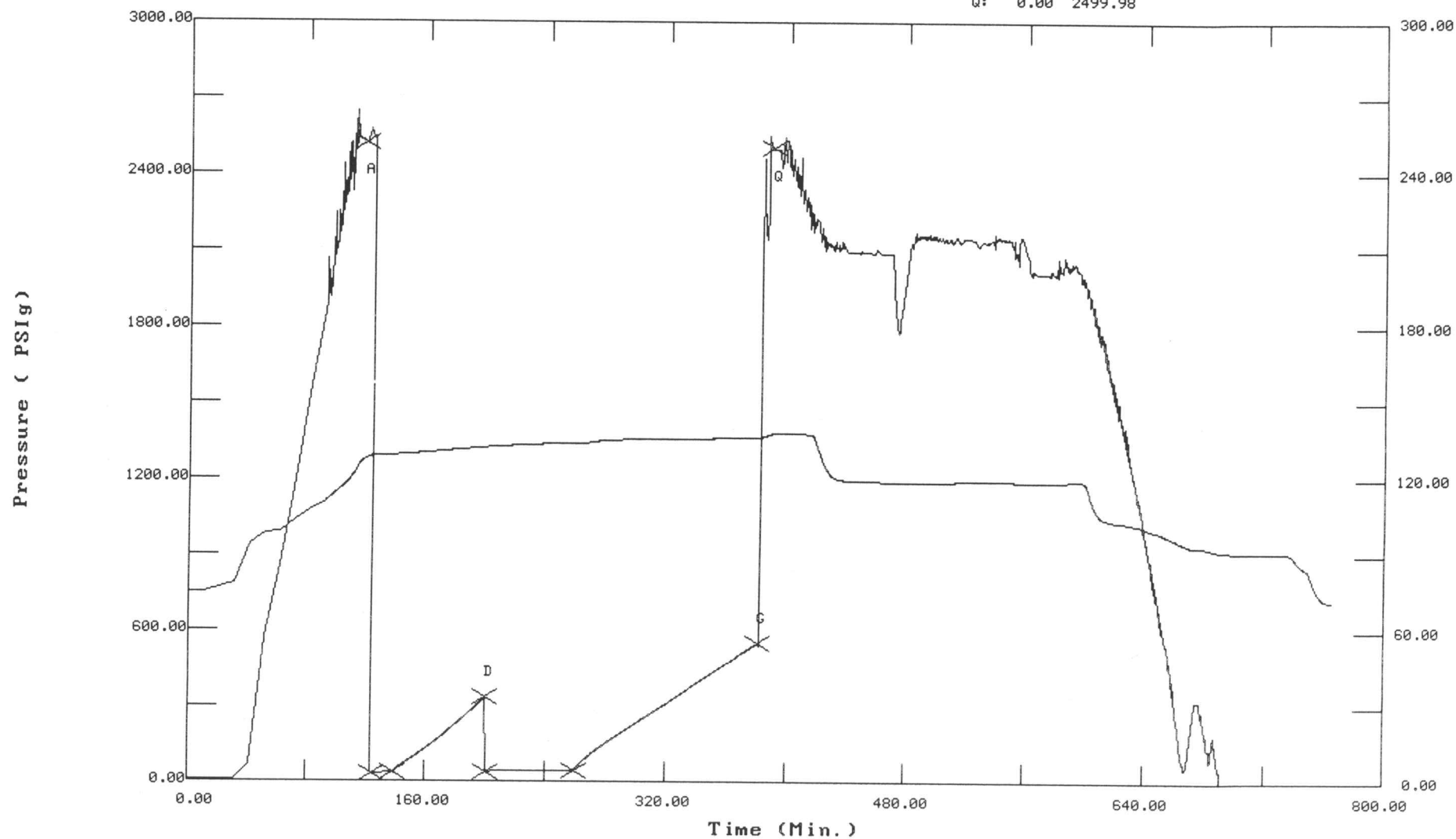
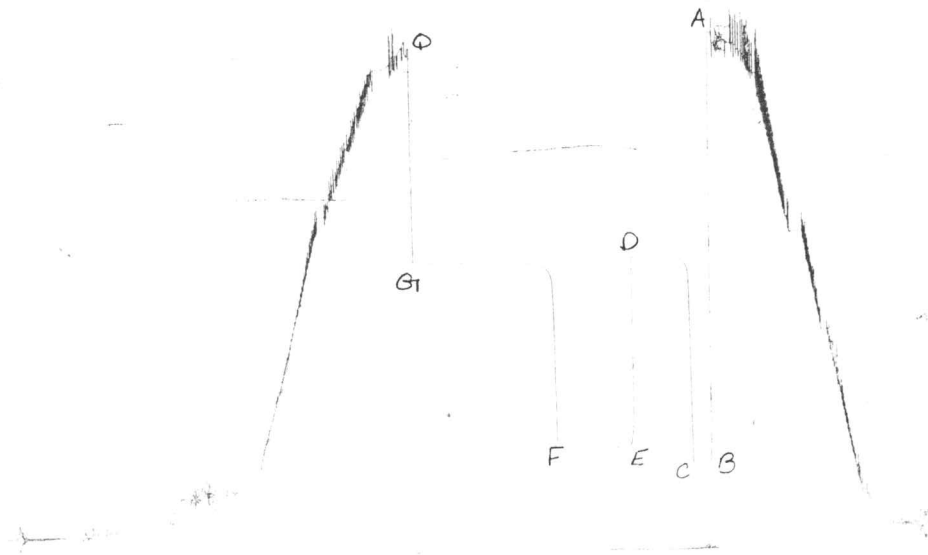


CHART PAGE

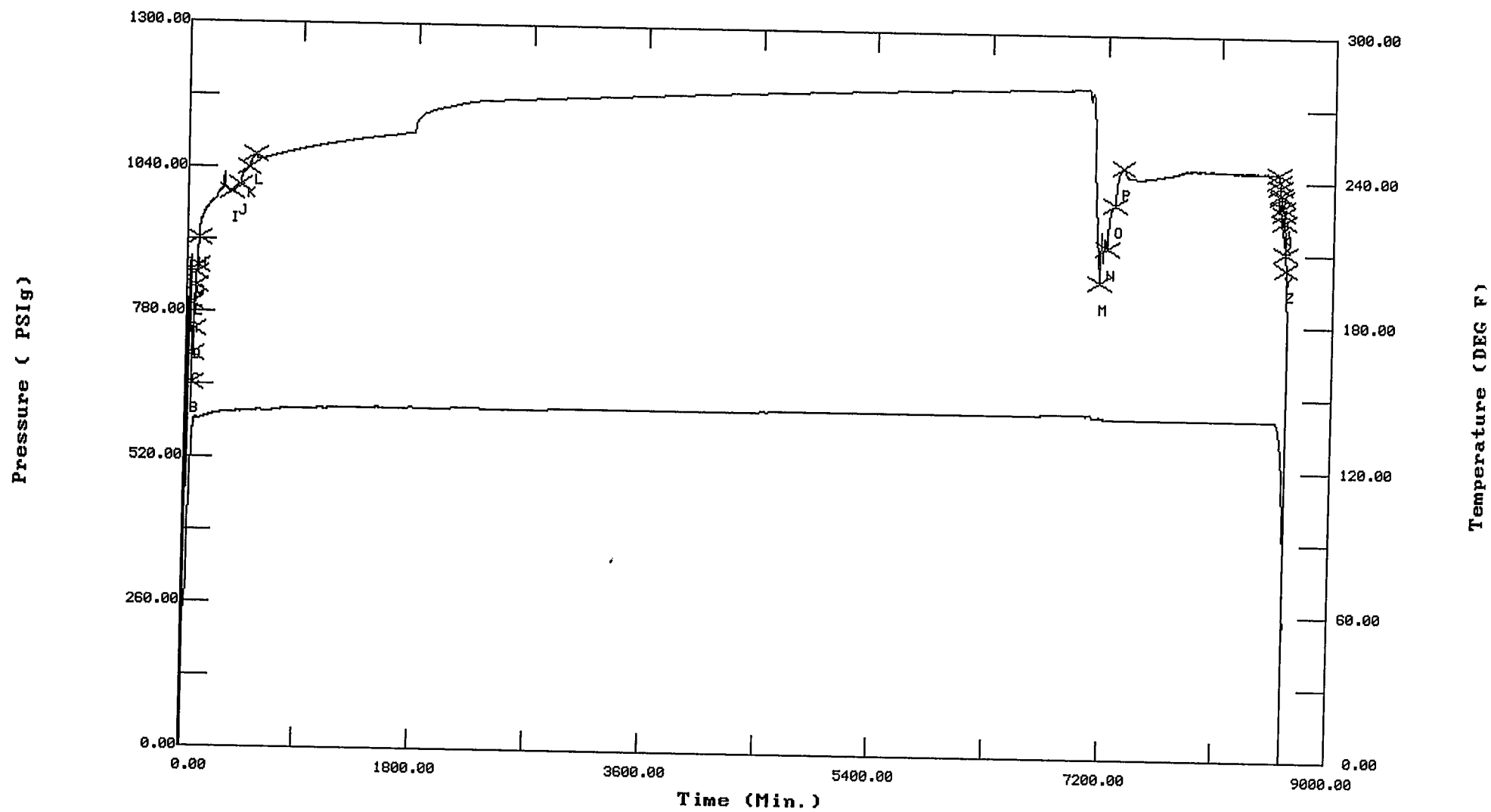
10242 DST 3
Warring Trust #1



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

TEST HISTORY

BFC Warring Trust Wireline #2



***** STATIC GRADIENT DATA *****

BFC Warring Trust Wireline #2

Date: 03/17/99

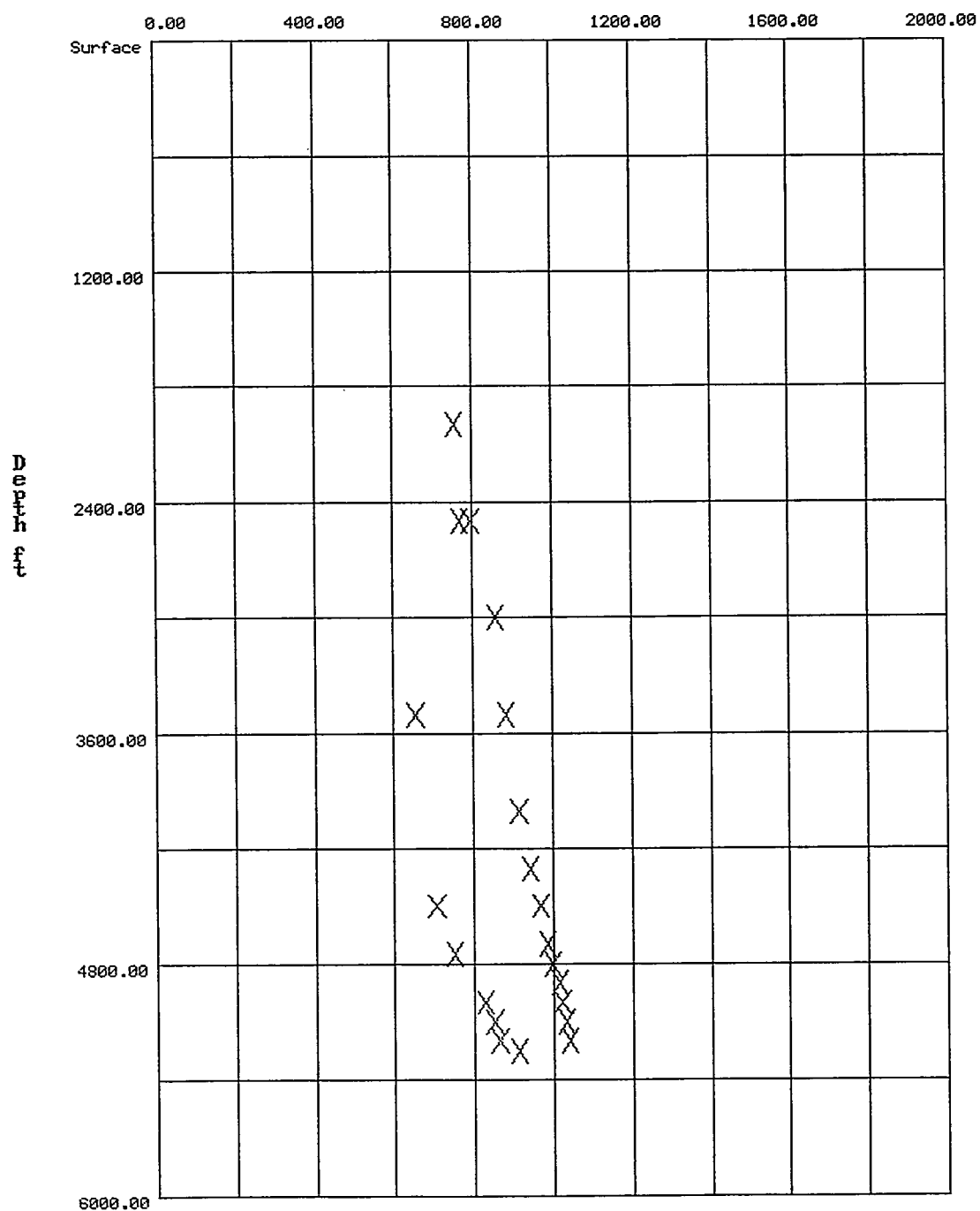
Time: 10:17:15

Depth ft	Time From hh:mm:ss	Time To hh:mm:ss	Pressure PSIg	Gradient PSIg/ft
2500.00	10:56:15	11:01:15	795.43	0.0000
3500.00	11:05:15	11:10:15	653.49	-0.1419
4500.00	11:13:15	11:18:15	705.18	0.0517
4750.00	11:16:15	11:21:15	749.92	0.1790
5000.00	11:26:15	11:31:15	826.05	0.3045
5100.00	11:33:15	11:38:15	849.78	0.2373
5200.00	11:39:15	11:44:15	862.66	0.1288
5250.00	11:50:15	11:55:15	913.73	1.0214
5200.00	09:03:15	09:08:15	1041.78	-2.5610
5100.00	09:09:15	09:14:15	1032.59	0.0919
5000.00	09:15:15	09:20:15	1020.71	0.1188
4900.00	09:21:15	09:26:15	1015.18	0.0553
4800.00	09:30:15	09:35:15	997.18	0.1800
4700.00	09:39:15	09:44:15	985.70	0.1148
4500.00	09:45:15	09:51:15	969.14	0.0828
4300.00	09:51:15	10:01:15	940.98	0.1408
4000.00	09:57:15	10:03:15	913.81	0.0906
3500.00	10:03:15	10:08:15	883.41	0.0608
3000.00	10:09:15	10:14:15	856.63	0.0536
2500.00	10:15:15	10:20:15	767.63	0.1780
2000.00	10:18:15	10:23:15	754.45	0.0264

STATIC GRADIENT PLOT

BFC Warring Trust Wireline #2

Pressure (PSig)



ALPINE SUBSURFACE ELECTRONICS PROBE DATA LISTING

TEST: BFC Warring Trust Wireline #2

DATE: 03/17/99

TIME: 10:17:15

PAGE: 001

Sample	Date	Time	Relative Seconds	Temperature DEG F	Pressure PSIg
1	99/03/17	10:17:16	000:00:01	63.96 DEG F	1.15 PSIg
Print every 100 samples					
A 97	99/03/17	10:56:15	000:39:00	88.66 DEG F	795.43 PSIg
** Flag Point A					
2500'					
B 106	99/03/17	11:05:15	000:48:00	103.62 DEG F	653.49 PSIg
** Flag Point B					
3500'					
C 114	99/03/17	11:13:15	000:56:00	121.48 DEG F	705.18 PSIg
** Flag Point C					
4500'					
D 117	99/03/17	11:16:15	000:59:00	127.06 DEG F	749.92 PSIg
** Flag Point D					
4750'					
E 127	99/03/17	11:26:15	001:09:00	132.63 DEG F	826.05 PSIg
** Flag Point E					
5000'					
F 134	99/03/17	11:33:15	001:16:00	134.98 DEG F	849.78 PSIg
** Flag Point F					
5100'					
G 140	99/03/17	11:39:15	001:22:00	135.68 DEG F	862.66 PSIg
** Flag Point G					
5200'					
H 151	99/03/17	11:50:15	001:33:00	135.97 DEG F	913.73 PSIg
** Flag Point H					
5250'					
251	99/03/17	13:30:15	003:13:00	137.14 DEG F	977.33 PSIg
351	99/03/17	15:10:15	004:53:00	138.27 DEG F	1007.31 PSIg
I 409	99/03/17	16:08:15	005:51:00	138.45 DEG F	997.00 PSIg
** Flag Point I					
1st point					
J 434	99/03/17	17:06:15	006:49:00	138.86 DEG F	1009.68 PSIg
** Flag Point J					
2nd point					
K 457	99/03/17	18:15:15	007:58:00	139.02 DEG F	1039.54 PSIg
** Flag Point K					
3rd point					
L 475	99/03/17	19:09:15	008:52:00	139.44 DEG F	1062.59 PSIg
** Flag Point L					
4th point					
575	99/03/18	00:09:15	013:52:00	140.28 DEG F	1070.62 PSIg
675	99/03/18	05:09:15	018:52:00	140.66 DEG F	1084.94 PSIg
775	99/03/18	10:09:15	023:52:00	140.95 DEG F	1095.61 PSIg
831	99/03/18	15:48:15	029:31:00	141.26 DEG F	1106.35 PSIg
pressure for 1st 1 point test					
931	99/03/19	16:48:15	054:31:00	141.40 DEG F	1175.04 PSIg
1031	99/03/20	17:48:15	079:31:00	141.92 DEG F	1189.28 PSIg
1131	99/03/21	12:51:15	098:34:00	142.22 DEG F	1197.45 PSIg
1231	99/03/21	17:51:15	103:34:00	142.31 DEG F	1199.27 PSIg
1331	99/03/21	22:51:15	108:34:00	142.39 DEG F	1200.89 PSIg
1431	99/03/22	03:51:15	113:34:00	142.49 DEG F	1202.48 PSIg

ALPINE SUBSURFACE ELECTRONICS PROBE DATA LISTING

TEST: BFC Warring Trust Wireline #2

DATE: 03/17/99

TIME: 10:17:15

PAGE: 002

Sample	Date	Time	Relative Seconds	Temperature DEG F	Pressure PSIg
1512	99/03/22	07:54:15	117:37:00	142.57 DEG F	1203.72 PSig
shutin before 2nd 4 point					
M 1546	99/03/22	09:36:15	119:19:00	141.47 DEG F	854.83 PSig
** Flag Point M					
1st Point					
N 1564	99/03/22	10:30:15	120:13:00	140.80 DEG F	918.23 PSig
** Flag Point N					
2nd Point					
O 1584	99/03/22	11:30:15	121:13:00	140.77 DEG F	995.54 PSig
** Flag Point O					
3rd Point					
P 1604	99/03/22	12:30:15	122:13:00	141.07 DEG F	1063.29 PSig
** Flag Point P					
4th Point					
1704	99/03/22	17:30:15	127:13:00	140.95 DEG F	1048.23 PSig
1804	99/03/22	22:30:15	132:13:00	141.03 DEG F	1058.96 PSig
1904	99/03/23	03:30:15	137:13:00	141.05 DEG F	1058.22 PSig
2004	99/03/23	08:30:15	142:13:00	141.03 DEG F	1055.94 PSig
Q 2013	99/03/23	08:57:15	142:40:00	141.01 DEG F	1055.98 PSig
** Flag Point Q					
5250'					
pressure for 2nd 1 point test					
R 2015	99/03/23	09:03:15	142:46:00	140.50 DEG F	1041.78 PSig
** Flag Point R					
5200'					
S 2017	99/03/23	09:09:15	142:52:00	139.71 DEG F	1032.59 PSig
** Flag Point S					
5100'					
T 2019	99/03/23	09:15:15	142:58:00	138.92 DEG F	1020.71 PSig
** Flag Point T					
5000'					
U 2021	99/03/23	09:21:15	143:04:00	137.45 DEG F	1015.18 PSig
** Flag Point U					
4900'					
V 2024	99/03/23	09:30:15	143:13:00	134.57 DEG F	997.18 PSig
** Flag Point V					
4800'					
W 2027	99/03/23	09:39:15	143:22:00	129.75 DEG F	985.70 PSig
** Flag Point W					
4700'					
X 2029	99/03/23	09:45:15	143:28:00	126.00 DEG F	969.14 PSig
** Flag Point X					
4500'					
2031	99/03/23	09:51:15	143:34:00	120.71 DEG F	940.98 PSig
4300'					
Y 2033	99/03/23	09:57:15	143:40:00	113.05 DEG F	913.81 PSig
** Flag Point Y					
4000'					
Z 2035	99/03/23	10:03:15	143:46:00	105.48 DEG F	883.41 PSig
** Flag Point Z					
3500'					

ALPINE SUBSURFACE ELECTRONICS PROBE DATA LISTING

TEST: BFC Warring Trust Wireline #2

DATE: 03/17/99

TIME: 10:17:15

PAGE: 003

Sample	Date	Time	Relative Seconds	Temperature DEG F	Pressure PSIg
3000' 2037	99/03/23	10:09:15	143:52:00	97.61 DEG F	856.63 PSIg
2500' 2039	99/03/23	10:15:15	143:58:00	88.43 DEG F	767.63 PSIg
2000' 2040	99/03/23	10:18:15	144:01:00	75.66 DEG F	754.45 PSIg
2043	99/03/23	10:27:15	144:10:00	56.37 DEG F	0.00 PSIg

End of File

Bonneville Fuels Corp
nw se/sw-sec3-32S-40W/
Start Test Date: 1999/03/17

FieldNotes

Field Measurements

Warring Trust #1
Formation: Morrow

	Clock	Static1	Tubing	Diff1	Meter1	Gas1	Cum.			
Date	Time	Pres	Comments	Pres	Pres	Temp	Orifice1	Rate	Gas1	
yyyy/mm/dd	hh:mm:ss	psi(g)		psi(g)	in of H2O	°F	in	MMCF/D	MMCF	
1	1999/03/17	10:18:00		started probe						0.000
2		0.00		520.00	0.00	0.00		0.000	0.000	
3		10:45:00	0.00	started in-hole		0.00	0.00	0.000	0.000	
4		10:52:00		started selling gas						
5		10:56:59		2500'						
6		11:05:00		3500'						
7		11:13:00		4500'						
8		11:16:59		4750'						
9		11:26:00		5000'						
10		11:33:00		5100'						
11		11:39:00		5200'						
12		11:50:59		5250	0.00	0.00	0.000			
13		12:00:00	360.00	772.00	4.00	58.00	1.000	0.255	0.013	
14		12:30:00	360.00	787.00	4.00	58.00		0.255	0.019	
15		14:00:00	365.00	811.00	4.50	60.00		0.272	0.035	
16		14:15:00	366.00	816.00	4.00	60.00		0.256	0.038	
17		14:45:00	362.00	829.00	4.00	59.00		0.255	0.043	
18		15:00:00	360.00	changed to .625 plate			0.625			
19		15:15:00	362.00	840.00	39.00	59.00	0.625	0.301	0.049	
20		15:30:00	361.00	842.00	38.00	60.00		0.296	0.052	
21		15:45:00	360.00	842.00	39.00	60.00		0.299	0.055	
22		16:00:00	360.00	1st pt	840.00	38.00	60.00	0.296	0.058	
23		16:30:00	360.00		846.00	26.00	59.00	0.245	0.064	
24		16:45:00	360.00		850.00	27.00	58.00	0.250	0.066	
25		17:00:00	360.00	2nd pt	850.00	26.00	58.00	0.245	0.069	
26		17:15:00	360.00		869.00	10.00	57.00	0.152	0.071	
27		17:30:00	360.00		877.00	9.00	56.00	0.145	0.073	
28		17:45:00	360.00		883.00	9.50	55.00	0.149	0.074	
29		18:00:00	360.00	3rd point	893.00	9.00	54.00	0.145	0.076	
30		18:15:00	360.00		904.00	4.00	52.00	0.097	0.077	
31		18:30:00	360.00		925.00	4.00	48.00	0.097	0.078	



Bonneville Fuels Corp
nw se/sw-sec3-32S-40W/
Start Test Date: 1999/03/17

FieldNotes

Field Measurements

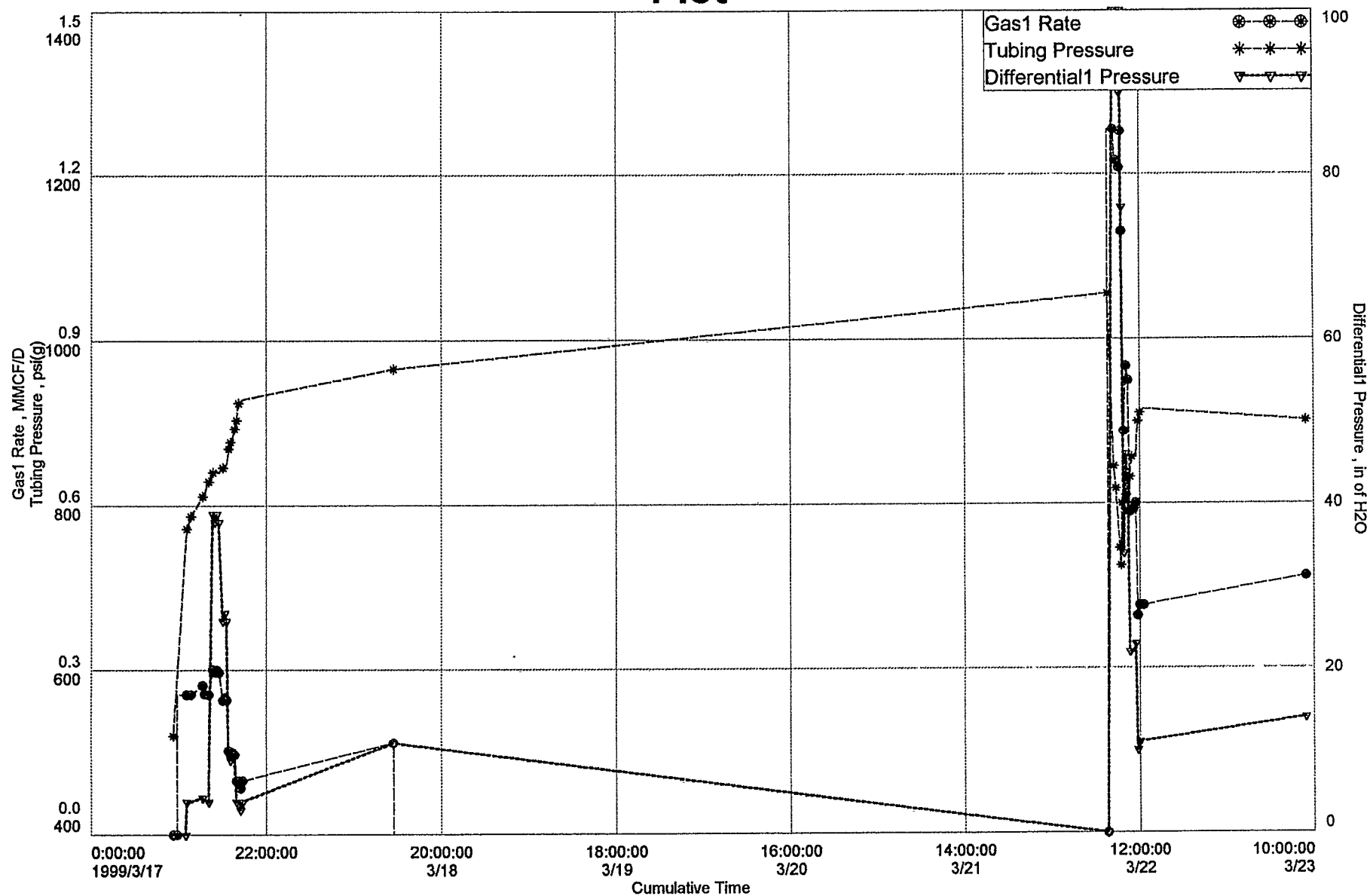
Warring Trust #1
Formation: Morrow

	Date	Clock Time	Static1 Pres	Comments	Tubing Pres	Diff1 Pres	Meter1 Temp	Orifice1 in	Gas1 Rate	Cum. Gas1
	yyyy/mm/dd	hh:mm:ss	psi(g)		psi(g)	in of H2O	°F		MMCF/D	MMCF
32	1999/03/17	18:45:00	360.00		926.00	3.00	48.00		0.084	0.079
33		19:00:00		4th point						
34		19:00:00	360.00		929.00	4.00	48.00		0.097	0.080
35	1999/03/18	14:00:00		reading for 1 point (g2) test						
36		14:00:00	360.00		966.00	11.00	25.00		0.166	0.184
37	1999/03/18	16:30:00		shutin well						
38	1999/03/22	08:00:00	0.00		1055:30	0:00	0:00	0.000	0.000	0.184
39		08:45:00	350.00	selling gas						
40		08:45:00	350.00		845.00	100.00	42.00	1.000	1.281	0.224
41		09:00:00	350.00		818.00	92.00	44.00		1.226	0.237
42		09:30:00	350.00		746.00	90.00	44.00		1.212	0.263
43		09:39:59	350.00	1st pt	725.00	100.00	44.00		1.278	0.271
44		09:45:00	340.00		800.00	76.00	45.00		1.096	0.275
45		10:00:00	340.00		798.00	34.00	47.00		0.731	0.285
46		10:15:00	340.00		810.00	46.00	47.00		0.850	0.293
47		10:30:00	344.00	2nd	790.00	43.00	49.00		0.825	0.302
48		10:45:00	340.00		832.00	22.00	52.00		0.584	0.309
49		11:00:00	344.00		856.00	22.00	52.00		0.588	0.315
50		11:15:00	345.00		858.00	22.00	51.00		0.589	0.321
51		11:30:00	345.00	3rd pt	859.00	23.00	54.00		0.600	0.328
52		11:45:00	345.00		900.00	10.00	55.00		0.395	0.333
53		12:00:00	345.00		910.00	11.00	56.00		0.414	0.337
54		12:15:00	345.00		914.00	11.00	56.00		0.414	0.341
55		12:30:00	345.00	4th pt	915.00	11.00	56.00		0.414	0.346
56		12:30:00		selling gas toward 1 pt						
57	1999/03/23	09:00:00	348.00	2nd 1pt	901.00	14.00	59.00		0.468	0.722

Bonneville Fuels Corp
nw se/sw-sec3-32S-40W/
Start Test Date: 1999/03/17

Warring Trust #1
Formation: Morrow

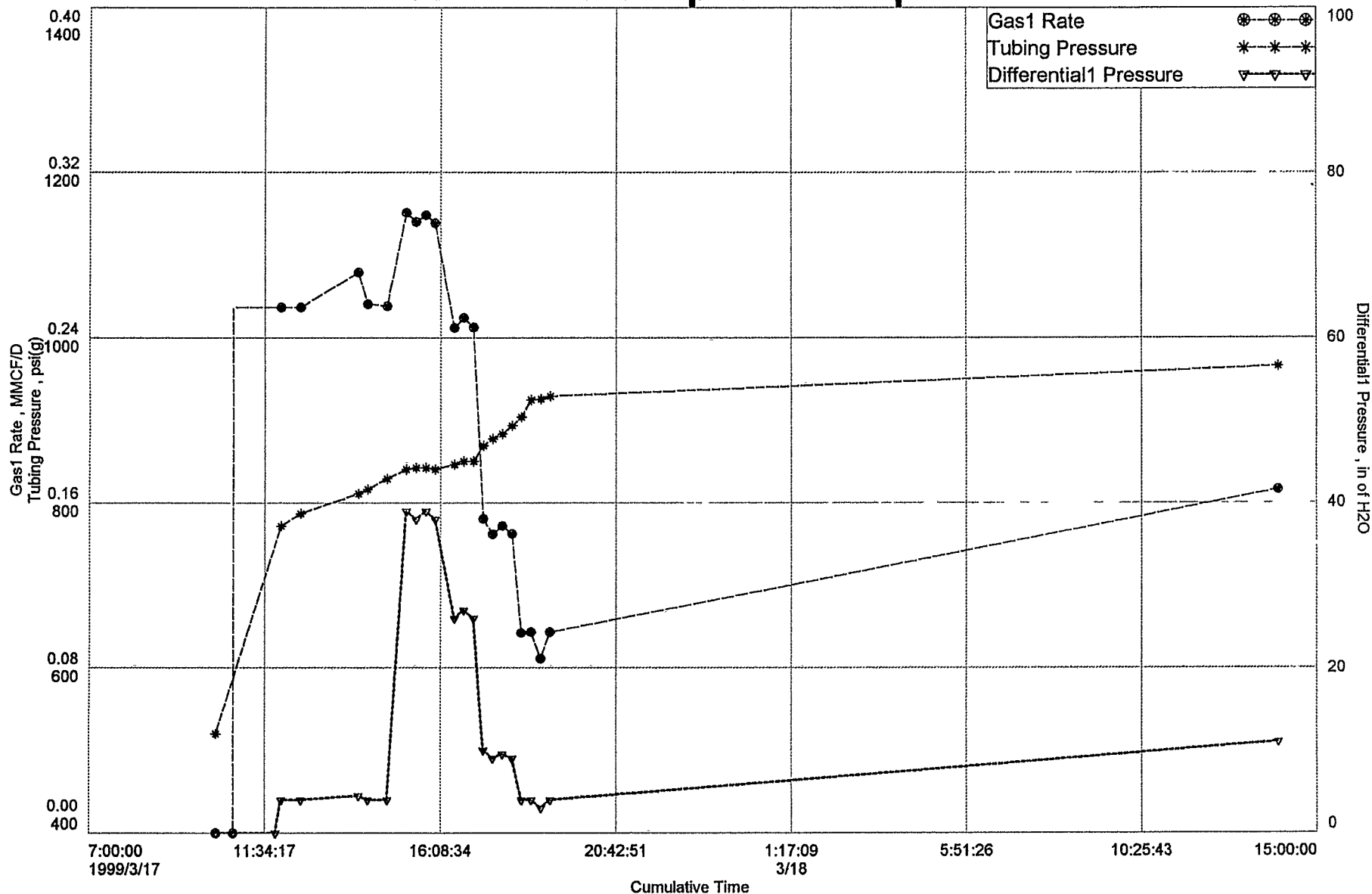
Plot



Bonneville Fuels Corp
 nw se/sw-sec3-32S-40W/
 Start Test Date: 1999/03/17

Warring Trust #1
 Formation: Morrow

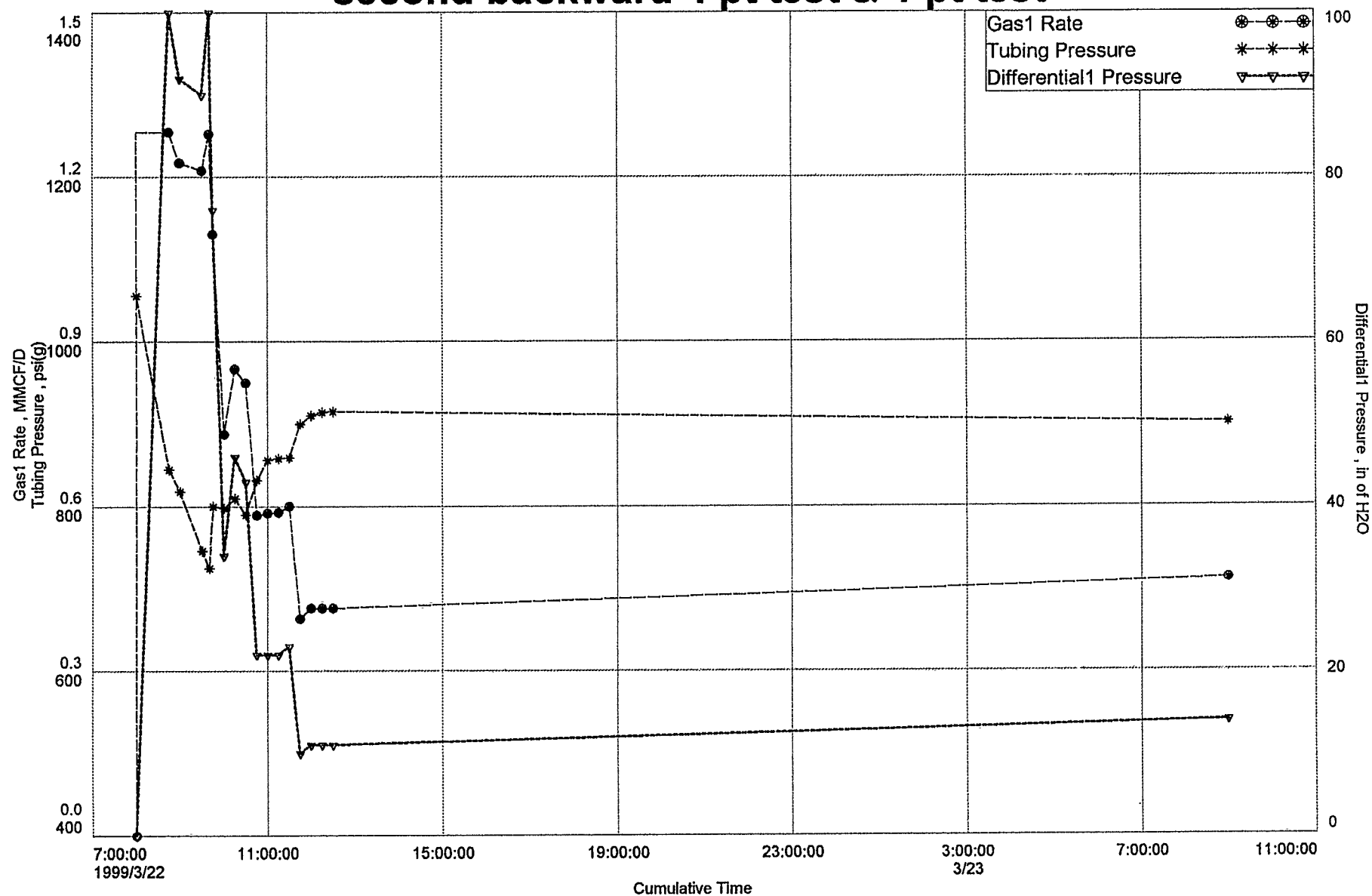
first backward 4 pt test & 1 pt test



Bonneville Fuels Corp
 nw se/sw-sec3-32S-40W/
 Start Test Date: 1999/03/17

Warring Trust #1
 Formation: Morrow

second backward 4 pt test & 1 pt test



Lease Name: Warring Trust

Date: 3-17-99

Gm: 0.636X
 Table VII Pcr: 670
 Table VII Tcr: 370
 H: 5225
 GmH: 3323.1
 L/H: 0.986
 I.D.: 2.441

		Shut-in		Point 1		Point 2		Point 3		Point 4	
		1	2	1	2	1	2	1	2	1	2
Fieldnotes	1 Qm(Rate)			1.2770	1.2770	0.8249	0.8249	0.6005	0.6005	0.4143	0.4143
Ref to sob	4 Te	558.000	558.000 x	558.000	558.000	558.000	558.000	558.000	558.000	558.000	558.000
	5 Ze	0.850	0.877x	0.877	0.884	0.884	0.876	0.876	0.866	0.866	0.859
	5a TeZe	474.300	489.366	489.366	493.272	493.272	488.808	488.808	483.228	483.228	479.322
	6 GmH/TeZe	7.006	6.791	6.791	6.737	6.737	6.798	6.798	6.877	6.877	6.933
Table e-38	7 e^s	1.300	1.289	1.289	1.287	1.287	1.290	1.290	1.294	1.294	1.297
Table e-38	8 (1-e^s)	0.231	0.224	0.224	0.223	0.223	0.225	0.225	0.227	0.227	0.229
	9 Pt or Pc	1067.380	1071.924	753.077	753.662	821.536	820.580	889.255	887.880	946.779	945.683
	10 Pt^2 or Pc^2	1139.299	1149.022	567.126	568.007	674.922	673.352	790.775	788.331	896.390	894.317
Table e-31	11 Fc			5.667	5.667	5.667	5.667	5.667	5.667	5.667	5.667
	12 F1=FcTeZe/540			5.136	5.177	5.177	5.130	5.130	5.071	5.071	5.030
	13 F1Qm			6.558	6.611	4.270	4.232	3.080	3.045	2.101	2.084
	14 Y=(F1Qm)^2L/			42.408	43.087	17.979	17.655	9.356	9.144	4.352	4.282
	15 R^2=y(1-e^s)			9.499	9.608	4.009	3.972	2.105	2.076	0.988	0.981
	16 Pw^2=Pt^2+R^			576.625	577.615	678.931	677.324	792.880	790.406	897.378	895.298
	17 Ps^2=e^sPw^2			731.025	731.025	868.624	868.624	1020.100	1020.100	1159.929	1159.929
	17a Pf^2=e^sPc^2	1481.089	1481.089								
Pt. Press	18 Ps or Pf	1217.000	1217.000 x	855.000	855.000	932.000	932.000	1010.000	1010.000	1077.000	1077.000
	19 Pe=(Pt+Ps)/2	1142.190	1144.462	804.039	804.331	876.768	876.290	949.628	948.940	1011.889	1011.342
	20 Pr	1.705	1.708	1.200	1.200	1.309	1.308	1.417	1.416	1.510	1.509
	21 Tr	1.508	1.508	1.508	1.508	1.508	1.508	1.508	1.508	1.508	1.508
Table e-20	22 Ze	0.877	0.877	0.884	0.884	0.876	0.876	0.866	0.866	0.859	0.859
	23 Sq rt of Line 16	1202.600	1202.600	744.958	745.810	809.573	808.597	876.038	874.648	932.901	931.802

1021.935

~~114.1~~
~~1200~~
 760.0

2nd backward
 Test 11

GAS WELL BACK PRESSURE CURVE

WELL TESTER:

2-19-99 at 9:00 a

TEST DATE:

2-19-99

Bonneville Fuels Corp

Warring Trust #1

3 32s 40w

Morton ,KS.

Exponent n: 0.4681

AOF: 765.

$P_c^2 - P_w^2$ (10 PSI)²

20

200

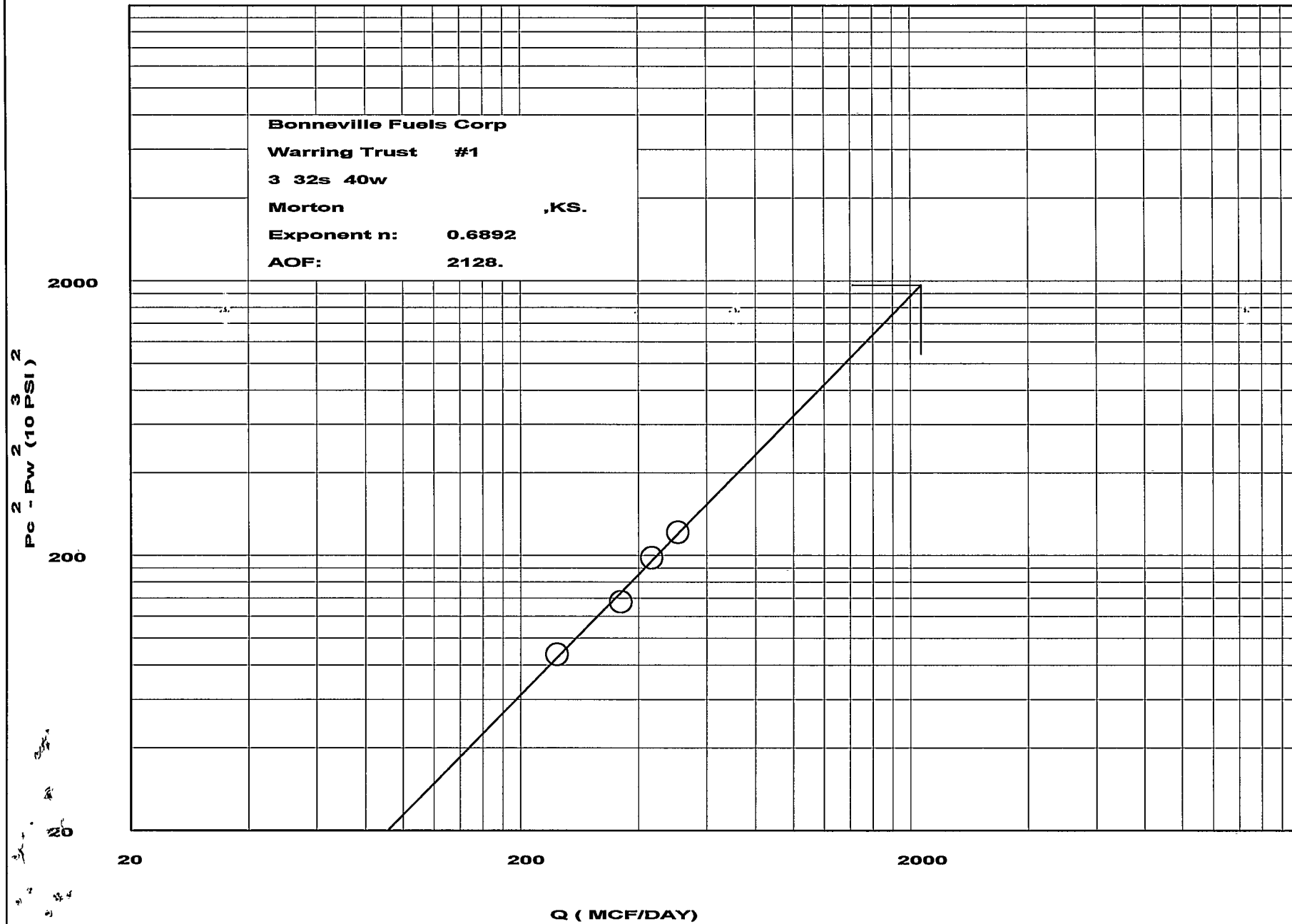
2000

Q (MCF/DAY)

GAS WELL BACK PRESSURE CURVE

WELL TESTER:**TEST DATE:**

2-19-99



FieldNotes

Gas Meter 1

Meter Type:	Orifice Meter
Meter Size:	2.067 in
Previous Gas Production:	0.000 MMCF
Tap Type:	Flange
Tap Location:	Downstream
Gas Gravity (G):	0.636
CO ₂ :	0.10 %
H ₂ S:	0.00 %
N ₂ :	3.11 %
Critical Temperature (T _C):	361.86 R
Critical Pressure (P _C):	666.61 psi

FieldNotes

Field Measurements

	Date	Clock Time	Comments	Tubing Pres	Static1 Pres	Diff1 Pres	Meter1 Temp	Gas1 Rate
	yyyy/mm/dd	hh:mm:ss		psi(g)	psi(g)	in of H2O	°F	MMCF/D
1	1999/02/18	07:28:00	Started recorder					
2		07:55:00		1168.00				0.000
3		08:00:00	in lubricator					
4		08:09:00	2000'					
5		08:24:00	4000'					
6		08:31:59	4500'					
7		08:35:59	4750'					
8		08:41:59	5000'					
9		08:45:00	5050					
10		08:52:59	5100'					
11		08:58:00	5150'					
12		09:03:59	5200'					
13		09:09:00	5250'	1170.50				
14		11:15:00		1173.00				
15		12:15:00		1171.00				
16		13:15:00	purged line	1143.00				
17		14:15:00		1173.00				
18		16:00:00		1167.00				
19			opened choke to pressure line					
20		16:15:00		1060.00	120.00	9.00	60.00	1.500 0.577
21		16:30:00		880.00	238.00	22.00	60.00	1.249
22		16:45:00		725.00	345.00	3.00	60.00	0.557
23		17:00:00		850.00	350.00	2.00	58.00	0.459
24		17:30:00		920.00	350.00	2.00	58.00	0.459
25		18:00:00		915.00	350.00	2.00	58.00	0.459
26		19:00:00		1000.00	350.00	0.00		
27			shutin to build pressure					
28		19:30:00		1066.00		0.00		

1999/02/18 07:28:00 To 1999/02/19 09:00:00
Gas 0.303 Cum. 0.303 MMCF

FieldNotes

Field Measurements

	Date	Clock Time	Comments	Tubing Pres	Static1 Pres	Diff1 Pres	Meter1 Temp	Gas1 Orifice1	Rate
	yyyy/mm/dd	hh:mm:ss		psi(g)	psi(g)	in of H2O	°F	in	MMCF/D
29	1999/02/18	20:00:00		1109.00		0.00			
30			started selling gas						
31		20:15:00		1085.00	342.00	1.10	38.00		0.345
32		20:30:00		1080.00	342.00	1.10	38.00		0.345
33		20:45:00		1065.00	342.00	1.10	38.00		0.345
34		21:00:00		1050.00	342.00	1.10	38.00		0.345
35			aborted test plate too big						
36			diff not showing on chart rates taken from total flow meter						
37			well had sold 63.5 mcf @ 20:30						

1999/02/18 07:28:00 To 1999/02/19 09:00:00
Gas 0.303 Cum. 0.303 MMCF

FieldNotes

Field Measurements

	Date	Clock Time	Comments	Tubing Pres	Static1 Pres	Diff1 Pres	Meter1 Temp	Gas1 Orifice1	Rate
	yyyy/mm/dd	hh:mm:ss		psi(g)	psi(g)	in of H2O	°F	in	MMCF/D
38	1999/02/19	09:00:00		1166.00					
39			shutin & starting to sell gas						
40		09:15:00		1130.00	335.00	8.00	41.00	0.875	0.267
41		09:30:00		1122.00	335.00	9.00	46.00		0.282
42		09:45:00		1117.00	336.00	9.00	48.00		0.282
43		10:00:00	1st point	1112.00	337.00	8.00	51.00		0.265
44		10:15:00		1083.00	336.00	15.00	52.00		0.362
45		10:45:00		1055.00	335.00	15.00	54.00		0.360
46		11:00:00	2nd point	1045.00	335.00	15.00	54.00		0.360
47		11:15:00		989.00	334.00	27.00	55.00		0.482
48		11:45:00		975.00	332.00	22.00	55.00		0.434
49		12:00:00	3rd point	958.00	330.00	22.00	55.00		0.433
50		12:15:00		934.00	330.00	26.00	55.00		0.470
51		12:30:00		935.00	331.00	25.00	56.00		0.461
52		12:45:00		915.00	330.00	30.00	57.00		0.504
53		13:00:00	4th point	907.00	330.00	22.00	58.00		0.431
54		14:00:00		952.00	328.00	8.00	62.00		0.258
55			aborted test well appears to be loading with fluid						
56		14:30:00		929.00	330.00	20.00	62.00		0.409
57		14:50:00	tagged plug & started out with bomb						
58		14:54:59	5000'						
59		15:05:59	4700'						
60		15:16:59	4400'						
61		15:35:00	4100'						
62		15:46:00	3800'						
63		15:56:59	3500'						
64		16:11:59	3200'						
65		16:26:00	2900'						

1999/02/19 09:00:00 To 1999/02/19 19:00:00

Gas 0.332 Cum. 0.635 MMCF

FieldNotes

Field Measurements

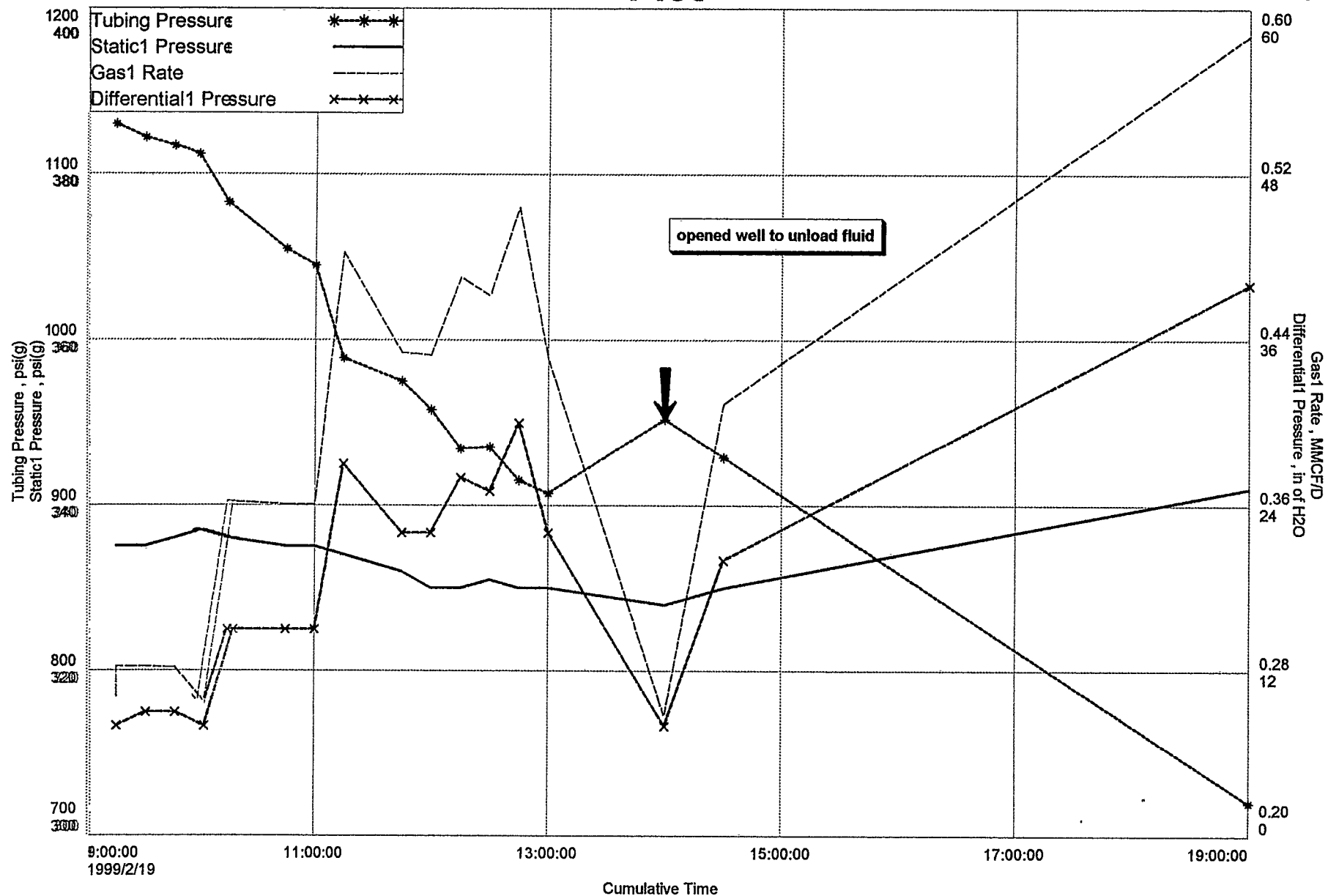
	Date	Clock Time	Comments	Tubing Pres	Static1 Pres	Diff1 Pres	Meter1 Temp	Orifice1	Gas1 Rate
	yyyy/mm/dd	hh:mm:ss		psi(g)	psi(g)	in of H2O	°F	in	MMCF/D
66	1999/02/19	16:37:00	2600'						
67		16:47:00	2300'						
68		17:02:00	2000'						
69		17:15:59	1500'						
70		17:37:00	out of hole						
71			opened well to see if fluid would unload						
72		19:00:00		720.00	342.00	40.00	65.00		0.587
73			left well selling 360 mcf						

1999/02/19 09:00:00 To 1999/02/19 19:00:00
Gas 0.332 Cum. 0.635 MMCF

Bonneville Fuels Corporation
nw se sw/sec 3-32s-40w-W/

Plot

Warring Trust #1
Formation: Lower Morrow/ Keyes



***** STATIC GRADIENT DATA *****

BFC Warring Trust #1 wireline w/ gradient stops

Date: 02/18/99

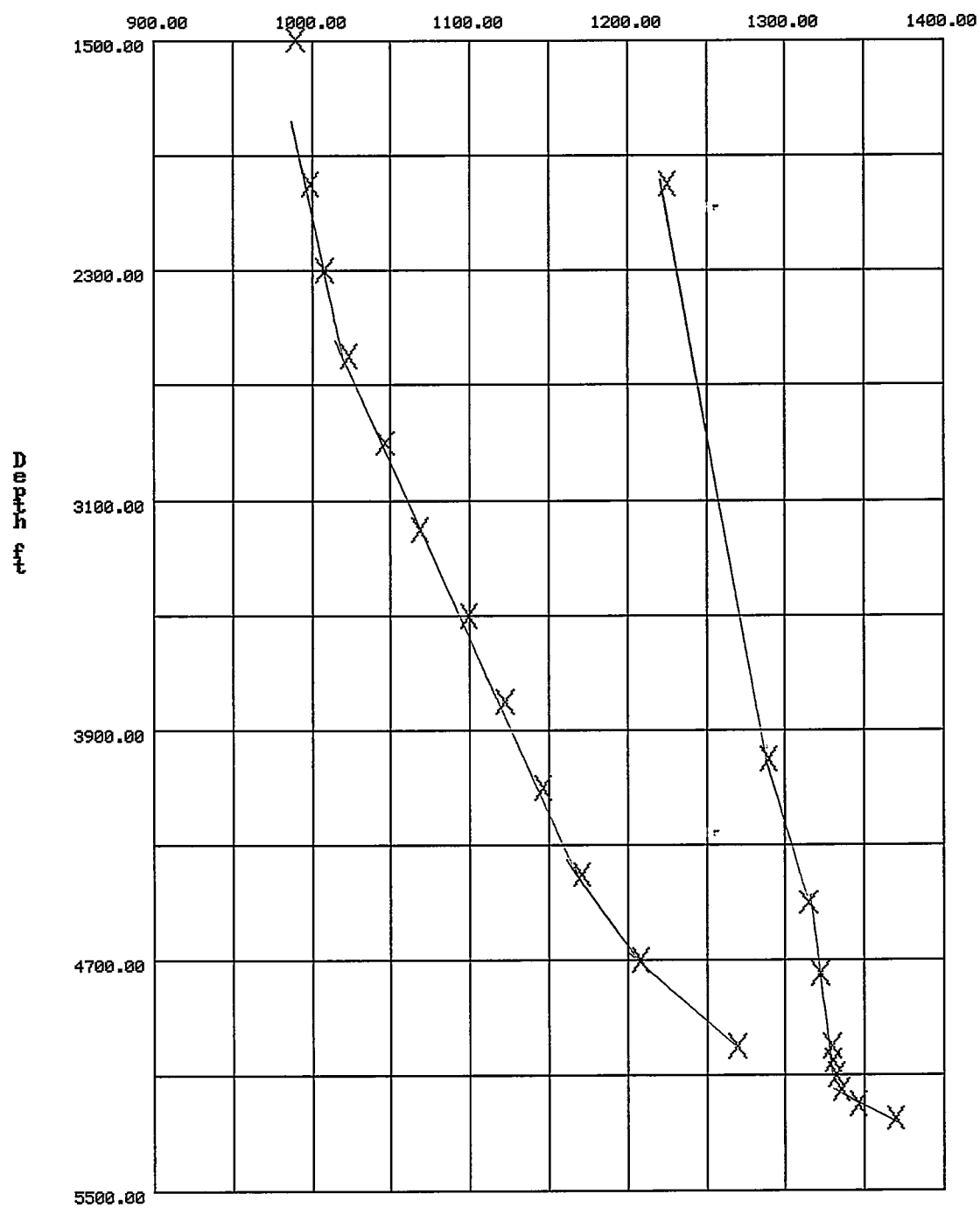
Time: 07:28:31

Depth ft	Time From hh:mm:ss	Time To hh:mm:ss	Pressure PSIg	Gradient PSIg/ft
2000.00	08:09:00	00:00:00	1225.17	0.0000
4000.00	08:24:00	00:00:00	1289.29	0.0321
4500.00	08:30:00	00:00:00	1314.64	0.0507
4750.00	08:35:00	00:00:00	1321.85	0.0288
5000.00	08:41:00	00:00:00	1329.49	0.0306
5050.00	08:47:00	00:00:00	1329.90	0.0082
5100.00	08:53:00	00:00:00	1332.16	0.0452
5150.00	08:57:00	00:00:00	1335.27	0.0622
5200.00	09:03:00	00:00:00	1346.19	0.2184
5250.00	09:09:00	00:00:00	1369.16	0.4594
5000.00	14:55:00	00:00:00	1269.48	0.3987
4700.00	15:06:00	00:00:00	1208.05	0.2048
4400.00	15:17:00	00:00:00	1170.78	0.1242
4100.00	15:35:00	00:00:00	1146.11	0.0822
3800.00	15:48:00	00:00:00	1122.36	0.0792
3500.00	15:57:00	00:00:00	1099.19	0.0772
3200.00	16:12:00	00:00:00	1068.06	0.1038
2900.00	16:26:00	00:00:00	1046.57	0.0716
2600.00	16:37:00	00:00:00	1023.24	0.0778
2300.00	16:48:00	00:00:00	1007.80	0.0515
2000.00	17:01:00	00:00:00	998.98	0.0294
1500.00	17:15:00	00:00:00	989.75	0.0185

STATIC GRADIENT PLOT

BFC Warring Trust #1 wireline w/ gradient stops

Pressure (PSig)



ALPINE SUBSURFACE ELECTRONICS PROBE DATA LISTING

TEST: BFC Warring Trust #1 wireline w/ gradient stops

DATE: 02/18/99

TIME: 07:28:31

PAGE: 001

Sample	Date	Time	Relative Seconds	Temperature		Pressure	
				DEG F		PSIg	
1	99/02/18	07:28:33	000:00:02	46.48	DEG F	0.91	PSIg
Print every 100 samples							
101	99/02/18	07:35:31	000:07:00	42.08	DEG F	0.00	PSIg
201	99/02/18	07:43:51	000:15:20	40.85	DEG F	0.00	PSIg
301	99/02/18	07:52:11	000:23:40	40.22	DEG F	0.00	PSIg
A 352	99/02/18	07:56:26	000:27:55	40.06	DEG F	1168.10	PSIg
** Flag Point A							
in lubricator							
452	99/02/18	08:04:46	000:36:15	57.51	DEG F	1199.32	PSIg
B 504	99/02/18	08:09:06	000:40:35	72.34	DEG F	1225.17	PSIg
** Flag Point B							
2000'							
604	99/02/18	08:17:26	000:48:55	85.46	DEG F	1245.98	PSIg
C 685	99/02/18	08:24:11	000:55:40	99.36	DEG F	1289.29	PSIg
** Flag Point C							
4000'							
D 761	99/02/18	08:30:31	001:02:00	113.19	DEG F	1314.64	PSIg
** Flag Point D							
4500'							
E 822	99/02/18	08:35:36	001:07:05	121.36	DEG F	1321.85	PSIg
** Flag Point E							
4750'							
F 893	99/02/18	08:41:31	001:13:00	128.35	DEG F	1329.49	PSIg
** Flag Point F							
5000'							
G 959	99/02/18	08:47:01	001:18:30	135.70	DEG F	1329.90	PSIg
** Flag Point G							
5050'							
H 1032	99/02/18	08:53:06	001:24:35	140.00	DEG F	1332.16	PSIg
** Flag Point H							
5100'							
I 1083	99/02/18	08:57:21	001:28:50	140.57	DEG F	1335.27	PSIg
** Flag Point I							
5150'							
J 1158	99/02/18	09:03:36	001:35:05	142.97	DEG F	1346.19	PSIg
** Flag Point J							
5200'							
K 1226	99/02/18	09:09:16	001:40:45	145.18	DEG F	1369.16	PSIg
** Flag Point K							
5250'							
1326	99/02/18	09:17:36	001:49:05	148.16	DEG F	1372.04	PSIg
1426	99/02/18	09:25:56	001:57:25	148.63	DEG F	1371.60	PSIg
1526	99/02/18	09:34:16	002:05:45	148.69	DEG F	1364.72	PSIg
1626	99/02/18	09:42:36	002:14:05	148.75	DEG F	1362.03	PSIg
1726	99/02/18	09:50:56	002:22:25	148.77	DEG F	1369.86	PSIg
1826	99/02/18	09:59:16	002:30:45	148.78	DEG F	1373.53	PSIg
1926	99/02/18	10:07:36	002:39:05	148.77	DEG F	1371.46	PSIg
2026	99/02/18	10:15:56	002:47:25	148.78	DEG F	1371.26	PSIg
2126	99/02/18	10:24:16	002:55:45	148.77	DEG F	1375.12	PSIg
2226	99/02/18	10:39:01	003:10:30	148.78	DEG F	1372.13	PSIg
2326	99/02/18	11:04:01	003:35:30	148.78	DEG F	1374.11	PSIg

ALPINE SUBSURFACE ELECTRONICS PROBE DATA LISTING

TEST: BFC Warring Trust #1 wireline w/ gradient stops

DATE: 02/18/99

TIME: 07:28:31

PAGE: 002

Sample	Date	Time	Relative Seconds	Temperature	Pressure
				DEG F	PSIg
2426	99/02/18	11:29:01	004:00:30	148.76 DEG F	1371.04 PSig
2526	99/02/18	11:54:01	004:25:30	148.77 DEG F	1373.95 PSig
2626	99/02/18	12:19:01	004:50:30	148.78 DEG F	1373.61 PSig
2641	99/02/18	12:22:46	004:54:15	148.79 DEG F	1373.55 PSig
opened well to purge line					
2741	99/02/18	12:47:46	005:19:15	148.73 DEG F	1345.52 PSig
2841	99/02/18	13:12:46	005:44:15	148.76 DEG F	1363.79 PSig
2941	99/02/18	13:37:46	006:09:15	148.76 DEG F	1376.72 PSig
3041	99/02/18	14:02:46	006:34:15	148.76 DEG F	1377.22 PSig
3141	99/02/18	14:27:46	006:59:15	148.77 DEG F	1376.80 PSig
3241	99/02/18	14:52:46	007:24:15	148.76 DEG F	1376.38 PSig
3341	99/02/18	15:17:46	007:49:15	148.79 DEG F	1375.96 PSig
3441	99/02/18	15:42:46	008:14:15	148.81 DEG F	1375.54 PSig
3462	99/02/18	15:48:01	008:19:30	148.81 DEG F	1375.62 PSig
filled sales line					
3562	99/02/18	16:13:01	008:44:30	148.71 DEG F	1301.96 PSig
3662	99/02/18	16:38:01	009:09:30	148.65 DEG F	1121.85 PSig
3762	99/02/18	17:03:01	009:34:30	148.71 DEG F	1263.78 PSig
3862	99/02/18	17:28:01	009:59:30	148.73 DEG F	1291.56 PSig
3962	99/02/18	17:53:01	010:24:30	148.71 DEG F	1291.47 PSig
4062	99/02/18	18:18:01	010:49:30	148.73 DEG F	1326.47 PSig
4162	99/02/18	18:43:01	011:14:30	148.69 DEG F	1334.70 PSig
4262	99/02/18	19:08:01	011:39:30	148.68 DEG F	1358.01 PSig
4362	99/02/18	19:33:01	012:04:30	148.68 DEG F	1365.22 PSig
4462	99/02/18	19:58:01	012:29:30	148.65 DEG F	1370.42 PSig
4489	99/02/18	20:04:46	012:36:15	148.68 DEG F	1371.51 PSig
opened well for 4 point test					
4589	99/02/18	20:29:46	013:01:15	148.67 DEG F	1347.96 PSig
4689	99/02/18	20:54:46	013:26:15	148.66 DEG F	1344.83 PSig
4789	99/02/18	21:19:46	013:51:15	148.69 DEG F	1343.07 PSig
4793	99/02/18	21:20:46	013:52:15	148.69 DEG F	1342.90 PSig
aborted test--plate too big					
4867	99/02/18	21:39:16	014:10:45	148.70 DEG F	1366.00 PSig
Print every 500 samples					
5367	99/02/18	23:44:16	016:15:45	148.74 DEG F	1379.74 PSig
5867	99/02/19	01:49:16	018:20:45	148.79 DEG F	1375.71 PSig
6367	99/02/19	03:54:16	020:25:45	148.80 DEG F	1374.87 PSig
6867	99/02/19	05:59:16	022:30:45	148.82 DEG F	1374.28 PSig
7310	99/02/19	08:52:31	025:24:00	148.60 DEG F	1374.37 PSig
lit fire in pack					
7324	99/02/19	09:06:31	025:38:00	148.63 DEG F	1373.13 PSig
started 4 point test					
Print every 50 samples					
7374	99/02/19	09:56:31	026:28:00	148.59 DEG F	1342.32 PSig
7377	99/02/19	09:59:31	026:31:00	148.60 DEG F	1342.17 PSig
first point					
7427	99/02/19	10:49:31	027:21:00	148.57 DEG F	1325.13 PSig
7441	99/02/19	11:03:31	027:35:00	148.58 DEG F	1324.20 PSig
second point					
7491	99/02/19	11:53:31	028:25:00	148.58 DEG F	1300.45 PSig
7498	99/02/19	12:00:31	028:32:00	148.58 DEG F	1301.38 PSig

ALPINE SUBSURFACE ELECTRONICS PROBE DATA LISTING

TEST: BFC Warring Trust #1 wireline w/ gradient stops

DATE: 02/18/99

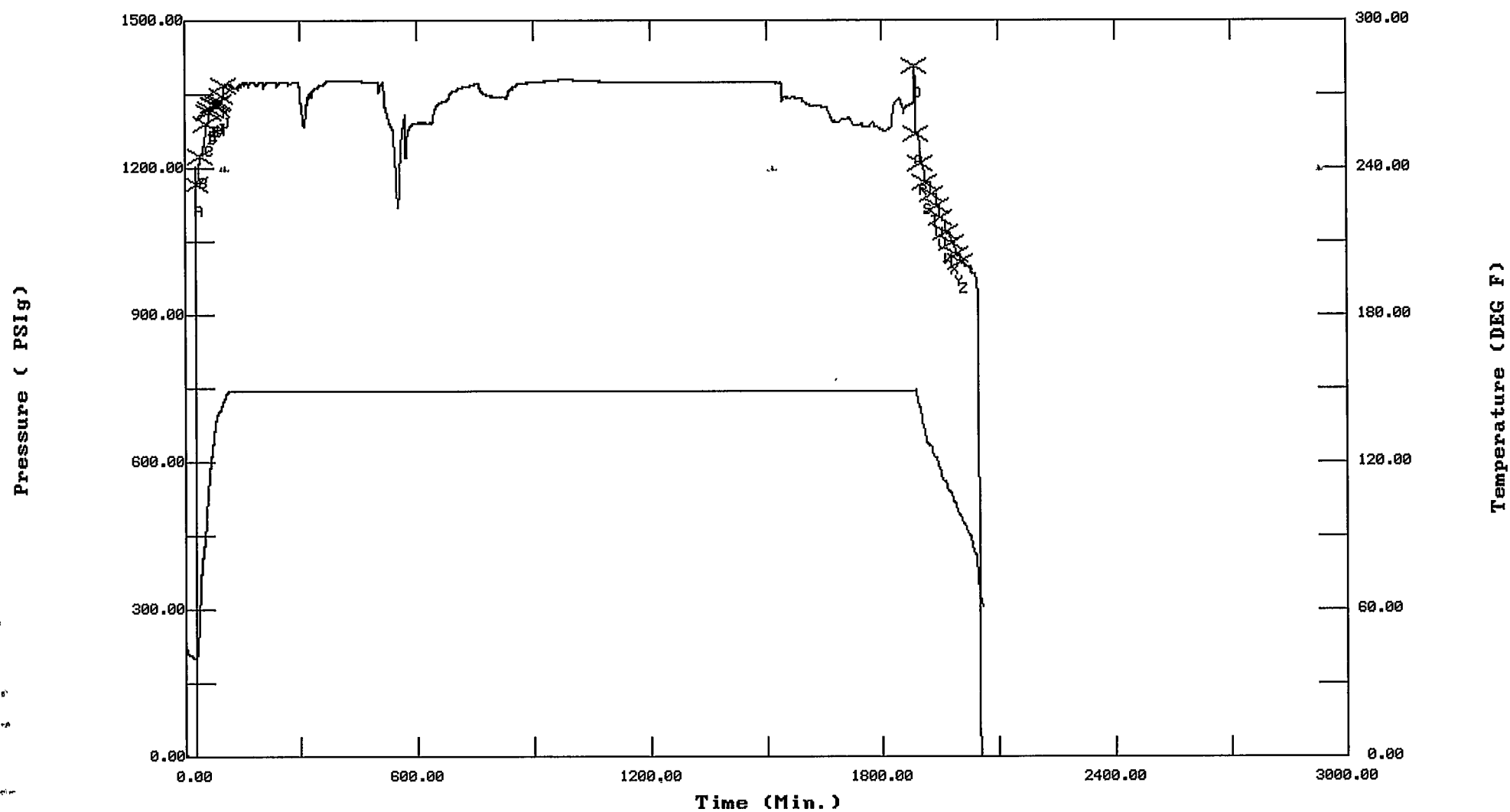
TIME: 07:28:31

PAGE: 003

Sample	Date	Time	Relative Seconds	Temperature DEG F	Pressure PSIg
third point					
7548	99/02/19	12:50:31	029:22:00	148.57 DEG F	1283.84 PSig
7558	99/02/19	13:00:31	029:32:00	148.58 DEG F	1290.63 PSig
fourth point					
7608	99/02/19	13:50:31	030:22:00	148.56 DEG F	1282.32 PSig
7658	99/02/19	14:40:31	031:12:00	148.54 DEG F	1328.74 PSig
O 7670	99/02/19	14:52:31	031:24:00	148.94 DEG F	1406.20 PSig
** Flag Point O					
tagged plug & started out					
Q 7673	99/02/19	14:55:31	031:27:00	148.94 DEG F	1269.48 PSig
** Flag Point Q					
5000'					
R 7684	99/02/19	15:06:31	031:38:00	141.64 DEG F	1208.05 PSig
** Flag Point R					
4700'					
S 7695	99/02/19	15:17:31	031:49:00	133.07 DEG F	1170.78 PSig
** Flag Point S					
4400'					
T 7713	99/02/19	15:35:31	032:07:00	126.02 DEG F	1146.11 PSig
** Flag Point T					
4100'					
U 7726	99/02/19	15:48:31	032:20:00	121.20 DEG F	1122.36 PSig
** Flag Point U					
3800'					
V 7735	99/02/19	15:57:31	032:29:00	116.78 DEG F	1099.19 PSig
** Flag Point V					
3500'					
W 7750	99/02/19	16:12:31	032:44:00	111.62 DEG F	1068.06 PSig
** Flag Point W					
3200'					
X 7764	99/02/19	16:26:31	032:58:00	106.95 DEG F	1046.57 PSig
** Flag Point X					
2900'					
Y 7775	99/02/19	16:37:31	033:09:00	102.55 DEG F	1023.24 PSig
** Flag Point Y					
2600'					
Z 7786	99/02/19	16:48:31	033:20:00	98.32 DEG F	1007.80 PSig
** Flag Point Z					
2300'					
7799	99/02/19	17:01:31	033:33:00	94.31 DEG F	998.98 PSig
2000'					
7813	99/02/19	17:15:31	033:47:00	89.82 DEG F	989.75 PSig
1500'					
7834	99/02/19	17:36:31	034:08:00	70.51 DEG F	944.01 PSig
in lubricator					
7844	99/02/19	17:46:31	034:18:00	60.93 DEG F	0.00 PSig
End of File					

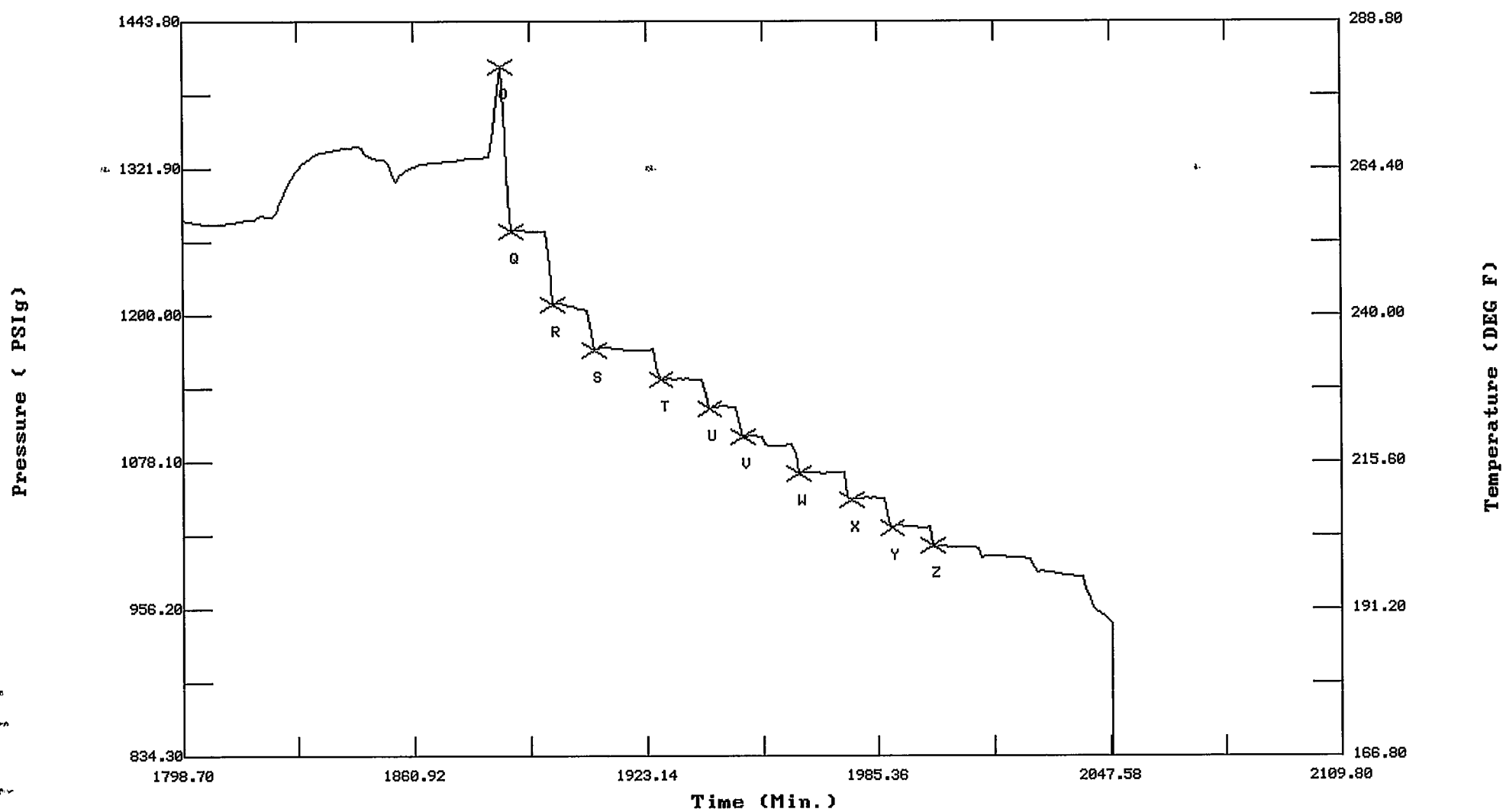
TEST HISTORY

BFC Warring Trust #1 wireline w/ gradient stops



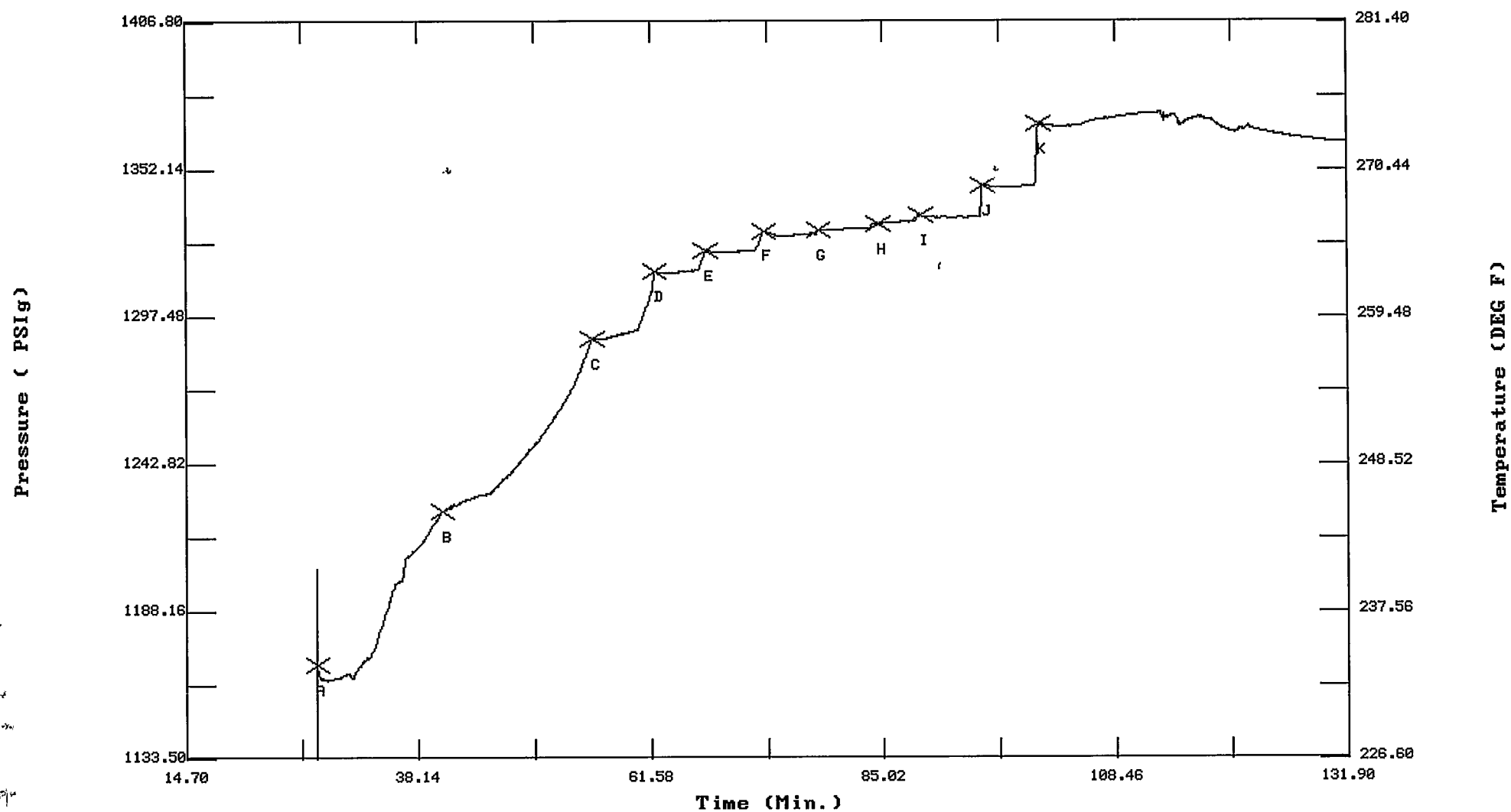
TEST HISTORY

BFC Warring Trust #1 wireline w/ gradient stops



TEST HISTORY

BFC Warring Trust #1 wireline w/ gradient stops



Company: Bonneville Fuels Corp.
Address: 1660 Lincoln St. #2200
: Denver, CO 80264
:

Date: July 27 1999
to: July 27 1999

Well Name : 7-27-99 Warring Trust #1
Location : Morton co Kansas Elev. : 0.00 KB(ft) 0.00 CF(ft)
Field/Pool: Prod. Interval: 0.00 to 0.00 ft(CF)
Test Type : Wireline with gradients Mid-Point Perf: 0.00 ft(CF)
Status : Flowing Tubing: 0.00 inches @ 0.00 ft(CF)

Wire Line Company : Trilobite Testing LLC

Top Recorder Serial # 3030 Run Depth: 0.00 ft(CF)
Range : 4995 Sample Memory: 21000 Samples
Start Date/Time: Jul 27 1999 @ 11:59:20 End Date/Time: Jul 27 1999 @ 11:59:20
Date of Last Calibration: April 1 1998

Bottom Recorder Serial # Run Depth: 0.00 ft(CF)
Range : Sample Memory: 0 Samples
Start Date/Time: Jul 27 1999 @ 11:59:20 End Date/Time: Jul 27 1999 @ 11:59:20
Date of Last Calibration: 0 0

NOTE - 1 Sample = Time, Pressure, Temperature

Program: Duration: 1 Min. Sample Rate: 1 Sec. ΔP : 105.41
 Duration: 2 Hr. Sample Rate: 5 Sec. ΔP : 107.68

Tubing Pressure: Initial: Not Reported Final: Not Reported
Casing Pressure: Initial: Not Reported Final: Not Reported

Electronic Data supplied on disk in standard ASE format.

***** STATIC GRADIENT DATA *****

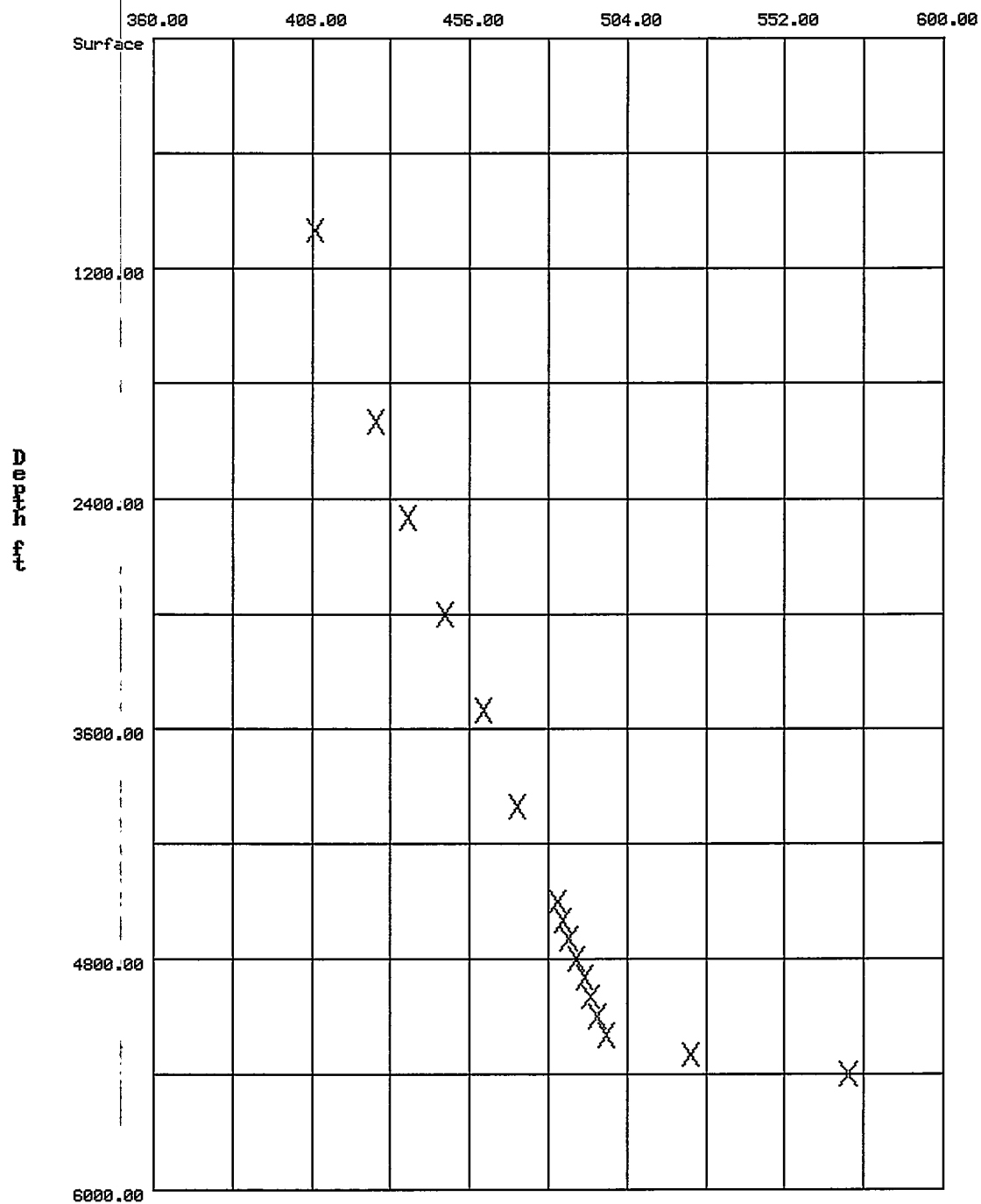
7-27-99 Warring Trust #1 BFC. Flowing Gradient Test
 Date: 07/27/99 Time: 11:59:20

Depth ft	Time From hh:mm:ss	Time To hh:mm:ss	Pressure PSIg	Gradient PSIg/ft
1000.00	12:18:35	12:22:35	408.96	0.0000
2000.00	12:25:15	12:29:15	427.61	0.0187
2500.00	12:30:40	12:34:40	437.16	0.0191
3000.00	12:35:55	12:39:55	448.43	0.0225
3500.00	12:41:00	12:45:00	460.11	0.0234
4000.00	12:46:05	12:50:05	470.40	0.0206
4500.00	12:51:00	12:55:00	482.70	0.0246
4600.00	12:55:25	12:59:25	484.22	0.0152
4700.00	12:59:35	13:03:35	486.11	0.0189
4800.00	13:04:40	13:09:40	488.59	0.0248
4900.00	13:08:55	13:12:55	490.95	0.0236
5000.00	13:13:10	13:17:10	492.83	0.0188
5100.00	13:17:30	13:21:30	494.88	0.0205
5200.00	13:21:50	13:25:50	497.60	0.0272
5300.00	13:26:10	13:30:10	523.44	0.2584
5400.00	13:36:50	13:40:50	571.32	0.4788

STATIC GRADIENT PLOT

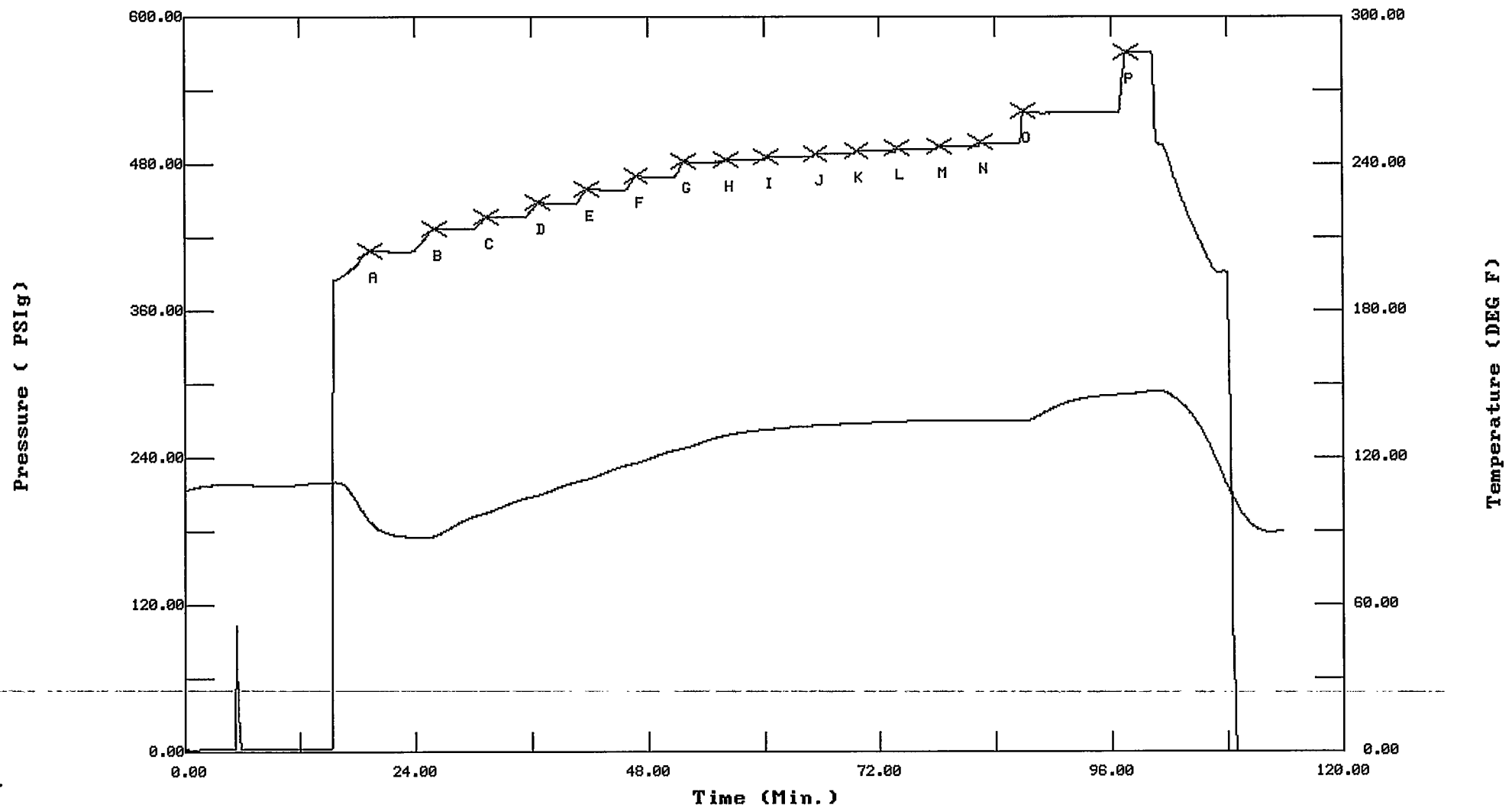
7-27-99 Warring Trust #1 BFC. Flowing Gradient Test

Pressure (PSig)



TEST HISTORY

7-27-99 Warring Trust #1 BFC. Flowing Gradient Test



ALPINE SUBSURFACE ELECTRONICS PROBE DATA LISTING

TEST: 7-27-99 Warring Trust #1 BFC. Flowing Gradient Test

DATE: 07/27/99

TIME: 11:59:20

PAGE: 001

Sample	Date	Time	Relative Seconds	Temperature DEG F	Pressure PSIg
1	99/07/27	11:59:21	000:00:01	106.37 DEG F	2.27 PSig
Print every 100 samples					
101	99/07/27	12:03:50	000:04:30	109.13 DEG F	1.57 PSig
201	99/07/27	12:12:10	000:12:50	109.43 DEG F	1.61 PSig
A 278	99/07/27	12:18:35	000:19:15	93.60 DEG F	408.96 PSig
** Flag Point A					
1000'					
B 358	99/07/27	12:25:15	000:25:55	87.95 DEG F	427.61 PSig
** Flag Point B					
2000'					
C 423	99/07/27	12:30:40	000:31:20	97.47 DEG F	437.16 PSig
** Flag Point C					
2500'					
D 486	99/07/27	12:35:55	000:36:35	104.52 DEG F	448.43 PSig
** Flag Point D					
3000'					
E 547	99/07/27	12:41:00	000:41:40	111.16 DEG F	460.11 PSig
** Flag Point E					
3500'					
F 608	99/07/27	12:46:05	000:46:45	117.70 DEG F	470.40 PSig
** Flag Point F					
4000'					
G 667	99/07/27	12:51:00	000:51:40	123.68 DEG F	482.70 PSig
** Flag Point G					
4500'					
H 720	99/07/27	12:55:25	000:56:05	129.00 DEG F	484.22 PSig
** Flag Point H					
4600'					
I 770	99/07/27	12:59:35	001:00:15	131.40 DEG F	486.11 PSig
** Flag Point I					
4700'					
J 831	99/07/27	13:04:40	001:05:20	132.91 DEG F	488.59 PSig
** Flag Point J					
4800'					
K 882	99/07/27	13:08:55	001:09:35	133.76 DEG F	490.95 PSig
** Flag Point K					
4900'					
L 933	99/07/27	13:13:10	001:13:50	134.52 DEG F	492.83 PSig
** Flag Point L					
5000'					
M 985	99/07/27	13:17:30	001:18:10	134.96 DEG F	494.88 PSig
** Flag Point M					
5100'					
N 1037	99/07/27	13:21:50	001:22:30	135.02 DEG F	497.60 PSig
** Flag Point N					
5200'					
O 1089	99/07/27	13:26:10	001:26:50	134.86 DEG F	523.44 PSig
** Flag Point O					
5300'					
1189	99/07/27	13:34:30	001:35:10	145.04 DEG F	522.27 PSig
P 1217	99/07/27	13:36:50	001:37:30	145.68 DEG F	571.32 PSig

ALPINE SUBSURFACE ELECTRONICS PROBE DATA LISTING

TEST: 7-27-99 Warring Trust #1 BFC. Flowing Gradient Test

DATE: 07/27/99

TIME: 11:59:20

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Sample	Date	Time	Relative Seconds	Temperature DEG F	Pressure PSIg
** Flag Point P					
5400'					
1317	99/07/27	13:45:10	001:45:50	127.70 DEG F	406.84 PSIg
1411	99/07/27	13:53:00	001:53:40	90.00 DEG F	0.00 PSIg
End of File					