

CONFIDENTIAL

FORM MUST BE TYPED

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

SIDE ONE

API NO. 15- 189-22236 *00-00 plugged 10/15/97*

County Stevens  
NW - NE - SW Sec 14 Twp 34 Rge 38 X E W

OPERATOR: License # 5363

ORIGINAL

Name: BEREXCO, Inc.

Address 100 N. Broadway  
Suite 970

City/State/Zip Wichita, KS 67202

Purchaser: \_\_\_\_\_

Operator Contact Person: Evan Mayhew

RELEASED

Phone (316) 265-3311

JAN 29 1999

Contractor: Beredco, Inc.

License: 5147

FROM CONFIDENTIAL

Wellsite Geologist: Michael C. Hallock

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  SLOW  Temp. Abd.  
 Gas  EHHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry; oil well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-Perf  Conv. to Inj/SWD NO  
 Plug Back  PBDT  
 Commingled  Docket No. NOV 17  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

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10/01/97 10/13/97 10/15/97  
Spud Date Date Reached TD Completion Date

2150 Feet from S (circle one) Line of Section

1480 Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside section Corner:  
NE, SE, NW, or S (circle one)

Lease Name Della Well # 1-14

Field Name Wildcat

Producing Formation \_\_\_\_\_

Elevation: Ground: 3198 KB: 3210

Total Depth 6490 PBDT 0

Amount of Surface Pipe Set and Cemented at 1764 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

Feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx. cmt.

Drilling Fluid Management Plan D+H, P-26-98 U.C.  
(Data must be collected from the Reserve Pit)

Chloride Content 1000 ppm Fluid Volume 6500 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_

Quarter \_\_\_\_\_ Sec \_\_\_\_\_ Twp \_\_\_\_\_ Rge \_\_\_\_\_ E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas, 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-2-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 with all plugged well. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Evan C Hallock

Title DIVISION ENGR Date 11/16/97

Subscribed and sworn to before me this 17th day of November 19 97.

Notary Public Tiffany R. Reese

Date Commission Expires SEPTEMBER 19, 1999

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
(Specify)

Form ACO-1 (7-91)

TIFFANY R. REESE  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 9-19-99

CONFIDENTIAL

# CONFIDENTIAL

SIDE TWO

Operator Name BEREXCO, Inc.  
 Sec 14 Twp 34 Rge 38  East  West

Lease Name Della Well # 1-14  
 County Stevens

## ORIGINAL

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressure, whether shut-in pressure reached static level, hydrostatic pressure, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

<p>Drill Stem Tests Taken (Attach Additional Sheets.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Electric Log Run (Submit Copy.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>List All E. Logs Run: Spectral Density Dual Spaced Neutron II Log          Dual Induction Laterlog          Microlog</p>	<p><input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample</p> <p>Name Top Datum</p> <p style="text-align: center;">See Attached</p> <p style="text-align: center; font-size: 2em; font-weight: bold;">NOV 17</p> <p style="text-align: center; font-size: 1.5em; font-weight: bold;">CONFIDENTIAL</p>
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RECEIVED  
 KANSAS CORP CO  
 1997 NOV 19 A 11:11

CASING RECORD							
<input checked="" type="checkbox"/> New <input type="checkbox"/> Used Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs/Ft	Setting Depth	Type Of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4	8 5/8	24#	1764	ALW Class A	625 150	3% CACL, 1/4# FS 2% Gel, 3% CACL

Purpose:	Depth		Type of Cement	# Sacks Used	Type and Percent Additives
	Top	Bottom			
<input type="checkbox"/> Perforate					
<input type="checkbox"/> Protect Casing					
<input type="checkbox"/> Plug Back TD					
<input type="checkbox"/> Plug Off Zone					
<input type="checkbox"/> Remedial					

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record	Depth
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	
		RELEASED	
		JAN 29 1999	
		FROM CONFIDENTIAL	

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj		Producing Method				
<u>D+A</u>		<input type="checkbox"/> Flowing	<input type="checkbox"/> Pumping	<input type="checkbox"/> Gas Lift	<input type="checkbox"/> Other (Explain)	
Estimate Production Per 24 Hours	Oil <u>N-A</u> Bbls	Gas	MCF	Water	Bbls	Gas-Oil Ratio Gravity

METHOD OF COMPLETION

Disposition of Gas:  Vented  Sold  Used on Lease

Open Hole  Perf  Dually Comp  Commingled

Other (Specify) \_\_\_\_\_ Production Interval \_\_\_\_\_

# CONFIDENTIAL

# ALLIED CEMENTING CO., INC.

6361

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

*Well Fill*

ORIGINAL SERVICE POINT: med. lodges

DATE <u>10-3-97</u>	SEC <u>14</u>	TWP <u>34s</u>	RANGE <u>38w</u>	CALLED OUT <u>12:00P.m.</u>	ON LOCATION <u>6:00P.m.</u>	JOB START <u>10:30P.m.</u>	JOB FINISH <u>1:00A.M.</u>
LEASE <u>Della</u>	WELL # <u>1-14</u>	LOCATION <u>Hugoton, 4w-4 1/2s-1/2 1/2s</u>	COUNTY <u>Stevens</u>	STATE <u>Ks.</u>			

OLD OR NEW (Circle one)

**CONFIDENTIAL**

CONTRACTOR Sweetman Drlg. OWNER Berexco, Inc.

TYPE OF JOB Surface CSG. CEMENT

HOLE SIZE 12 1/4 T.D. 1765'

CASING SIZE 8 5/8 x 24 DEPTH 1764'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 1000 MINIMUM 300

MEAS. LINE SHOE JOINT 42'

CEMENT LEFT IN CSG. **RELEASED**

PERFS.

AMOUNT ORDERED 625sxs. ALW + 3% CACL<sub>2</sub>  
1/4# Flo-Seal 150sxs. CLASS A + 2% Gel + 3% CACL<sub>2</sub>

COMMON <u>A 150</u>	@ <u>7.55</u>	<u>1132.50</u>
POZMIX	@	
GEL <u>3</u>	@ <u>9.50</u>	<u>28.50</u>
CHLORIDE <u>26</u>	@ <u>23.00</u>	<u>728.00</u>
<u>ALW 625</u>	@ <u>7.05</u>	<u>4406.25</u>
<u>FLO-SEAL 150#</u>	@ <u>1.15</u>	<u>179.40</u>
	@	
	@	
	@	
HANDLING <u>775</u>	@ <u>1.20</u>	<u>930.00</u>
MILEAGE <u>775 X 8</u>	<u>.04</u>	<u>248.00</u>

JAN 29 1999

EQUIPMENT

FROM CONFIDENTIAL

PUMP TRUCK CEMENTER ARMY Dredging  
# 233-302 HELPER Justin Hart  
BULK TRUCK  
# 257-251 DRIVER James Holt  
BULK TRUCK  
# 259-314 DRIVER John Kelley

NOV 17

CONFIDENTIAL SERVICE

TOTAL \$762.65

REMARKS:

Pipe on Bottom - Break Circ  
mix & Pump 625sxs. CLASS A  
ALW + 3% CACL<sub>2</sub> + 1/4# Flo-seal  
150sxs. CLASS A + 3% CACL<sub>2</sub> + 2% Gel  
Cement In. Stop Pumps. Release  
Dip. Pump & Displace Plug w/ 110%  
Bns. Fresh H<sub>2</sub>O. Bump Plug. Release  
PST. Float Hold. Cement Circ. to Surface

DEPTH OF JOB <u>1764'</u>		
PUMP TRUCK CHARGE		<u>1185.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>40</u>	@ <u>2.85</u>	<u>114.00</u>
PLUG Rubber <u>8 5/8"</u>	@ <u>90.00</u>	<u>90.00</u>
	@	
	@	

TOTAL \$1389.00

CHARGE TO: Berexco, Inc.

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

FLOAT EQUIPMENT

1-AFU Insert	@ <u>358.00</u>	<u>358.00</u>
4-Centerlizers	@ <u>61.00</u>	<u>244.00</u>
1-Guide shoe	@ <u>238.00</u>	<u>238.00</u>
Weld on	@	
	@	

TOTAL \$840.00

TAX		
TOTAL CHARGE	<u>\$ 988.65</u>	
DISCOUNT	<u>\$ 1482.24</u>	IF PAID IN 30 DAYS
NET	<u>\$ 8399.41</u>	

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE x Everett Cozmin

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RELEASED

ORIGINAL

JAN 29 1999

FROM CONFIDENTIAL

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GEOLOGICAL WELL REPORT

BEREXCO, INC.

Della #1-14

NESW Section 14  
Township 34 South Range 38 West

Stevens County, Kansas

15-189-22236

RCC

NOV 17

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NOV 18 11:49 AM '99

## STATISTICAL DATA

**Operator:** Berexco, Inc  
**Well Name:** Della #1-14  
**Location:** NE/4 SW/4 Section 14  
Township 34 South, Range 38 West  
Stevens County, Kansas

**API Number:** 1518722236  
**Elevation:** KB 3210 GL 3198  
**Spud date:** 10/1/97  
**Ceased Drilling:** 10/12/97  
**Status:** P&A  
**Casing:** 1765' 8 5/8" with 125 sacks  
**Log Program:** Halliburton CNL-FDC, DIL, GR, Microlog.  
**Drill Stem Tests:** One (Morrow Sandstone)  
**Total Depth:** 6490  
**Contractor:** Sweetman Drilling, Rig #1

**Sample Disposition:** Kansas Geologic Survey  
**Wellsite Geologist:** Michael C. Hallock  
AAPG Certified Geologist #3762

## CHRONOLOGICAL DATA

10/1/97	MIRT, RURT
10/2/97	PTD 755, repairing rig.
10/3/97	Drilling @ 1694
10/4/97	PTD 1694, nipling up BOP
10/5/97	Drilling @ 2429
10/6/97	Drilling @ 3420
10/7/97	Drilling @ 4306
10/8/97	Drilling @ 4940
10/10/97	PTD 5655, tripping in with bit #2.
10/11/97	Drilling @ 6222
10/12/97	PTD 6286, on bank with DST #1
10/13/97	PTD 6490; logging. Reached TD @ 11:07 P.M., 10/12/97

## BIT RECORD

NO.	Size	Make	Type	Depth Out	Footage	Hours
1	12 14	Vartel	L117 rr	1765	1765	19
1	7 7/8	STC	F27I	5655	3890	109
2	7 7/8	STC	F3H	6286	631	22
3	7 7/8	STC	F3Hrr	6490	204	

## MUD REPORT

	5035	5510	5760	6265
Depth				
Weight	9.0	9.1	9.1	9.1+
Viscosity	45	41	64	48
Y.P.	12	11	19	18
G.S.	3/18	2/15	4/26	8/17
W.L.	10.2	9.8	9.2	7.6
M.C.	2/32	2/32	2/32	2/32
Solids	4.7	6.5	5.5	5.8
Sand	tr	tr	tr	tr
pH	9.0	8.8	9.0	10.5
Cl	1800	1700	1700	1600
Ca	90	90	80	40
LCM	4	4	4	7

## DRILL STEM TESTS

### DST # 1

**Interval:** 6268-6286

**Times:** 30-60-60-120

**Blows:** IFP: Strong blow, gas to surface in 21 minutes; gas to surface throughout IFP.

**Recovery:** 140' gas cut mud with slight show oil, 90' gas cut muddy water (38,000 chlorides) 40% mud, 55% water

**Pressures:**           **IHP:** 3040                           **IFP:** 56-105  
                          **ISIP:** 88-69                           **FFP:** 1675  
                          **FSIP:** 1549                           **FHP:** 2979

**Temperature:** 142F

<u>PREFLOW</u>			
Time (minutes)	Pressure	Orifice	Rate (MCF/D)
25	3#	1/2"	59.2
<u>SECOND FLOW</u>			
5	1#	"	33.9
10	8" water	"	17.2
15	"	"	17.2
20	"	"	17.2
25	"	"	17.2
30	"	"	17.2
35	6"	"	15.4
40	4"	"	12.5
45	3"	"	10.5
50	2"	"	8.87
55	2"	"	8.87

### DST # 2 (tailpipe straddle after logs)

**Interval:** 6180-6230 (rotary depth-6175-6225 log depth)

**Times:** 30-60-60-120

**Blows:** IFP: blow built to 5" in 20 minutes; FFP blow built to 6", decreased to 2" by end of FFP.

**Recovery:** 275' GIP, 100' slightly gas cut mud

**Pressures:**           **IHP:** 3011                           **IFP:** 56-79  
                          **ISIP:** 43-55                           **FFP:** 722  
                          **FSIP:** 481                           **FHP:** 2986

**Temperature:** 142F

**FORMATION LOG TOPS**

**1-14 Della Sample Tops**

**1-14 Della Log Tops**

**Beavers #1 Unit  
Well #3**

Depth	Datum	Depth	Datum	Depth	Datum
KB= 3210		KB= 3210		KB= 3217	
4190	-980	4184	-974	4204	-987
4286	-1076	4278	-1068	4303	-1086
4793	-1583	4790	-1580	4807	-1590
4833	-1623	4826	-1616	4844	-1627
5032	-1822	5036	-1826	5043	-1826
5391	-2181	5378	-2168	5387	-2170
5554	-2344	5540	-2330	5550	-2333
5844	-2634	5834	-2624	5837	-2620
		6188	-2978	6588	-3371
6252	-3042	6238	-3028	6246	-3029
6275	-3065	6269	-3059	6278	-3061
6320	-3110	6324	-3114	6325	-3108
6438	-3228	6423	-3213	6430	-3213
6490	-3280	6485	-3275		

**SAMPLE DESCRIPTIONS**

Upper Morrow Sandstone: 6166-6189 log depth (drilling time 5" lower)  
No significant drilling break. No detectable gas show over 90 units background. Trace quartz sandstone (less than 2% sample), medium grained, rare cluster, angular, tight, no fluorescence or cut. (Sample not representative of sand development indicated on log.)

Lower Morrow Sandstone ("Brown Sandstone"): 6241-47 (driller depth). Gas show of 55 units over background of 20 units, all C1. No drilling break. Quartz sandstone, coarse grained, angular, poorly sorted, well cemented, tight, few pieces slightly friable, very glauconitic with included cream colored rounded fossil grains, no show. Some unconsolidated rounded varicolored quartz grains, frosted.

Lower Morrow Sandstone ("Brown Sandstone"): 6252-62 (driller depth). Gas show of 75 units over a background of 20 units, all C1. Drilling break of 6 feet of 1-1.5 minute feet in sand interval. Quartz sandstone, fine-coarse grained, poorly sorted, angular, glauconitic, well cemented, calcaeous, pyritic in part, no Ø, no show.

Lower Morrow Sandstone ("Red Sandstone"): 6275-86: (driller depth).



30" circulation sample: White quartz sandstone, medium to coarse grained, angular-subangular, poorly sorted, calcareous, tight, glauconitic, no visible show, no cut or fluorescence. Gas show of 15 units above background of 45 units (all C1).

60 & 90" circulation sample: White quartz sandstone, fine-medium grained, angular, well sorted, glauconitic, friable. (Sample 50% sand). 2-3% of sample with spotty blue fluorescence, weak streaming cut upon crushing, no stain or show under white light.

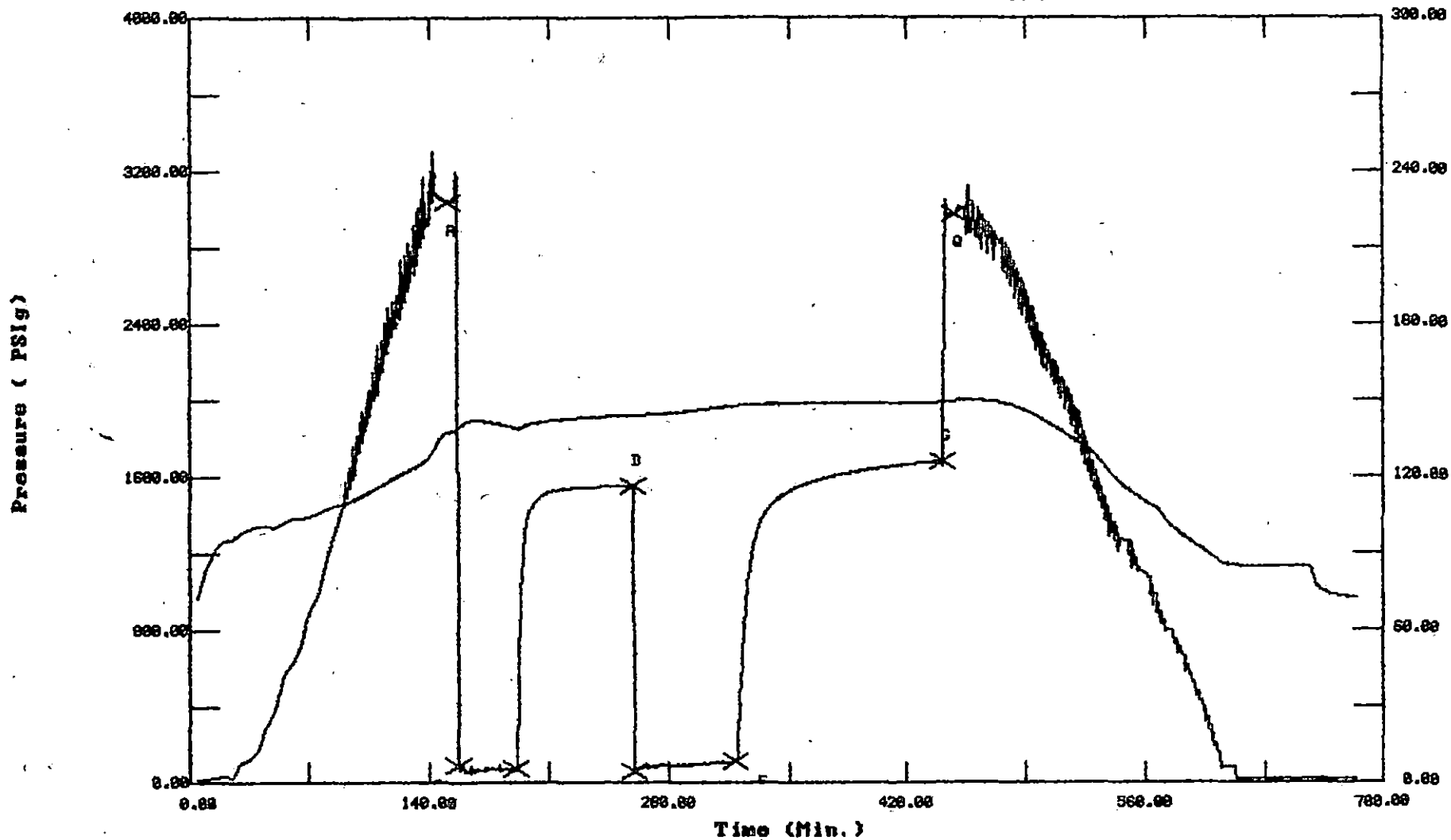
# TEST HISTORY

BEREXCO INC. DELLA #1-14 DST#1 10-11-1997 W.T.C.

Flag Points

t(Min.) P(PSig)

A1	0.00	3048.96
B1	0.00	68.52
C1	33.50	69.48
D1	68.50	1549.55
E1	0.00	56.02
F1	59.00	105.51
G1	122.00	1675.50
Q1	0.00	2979.08

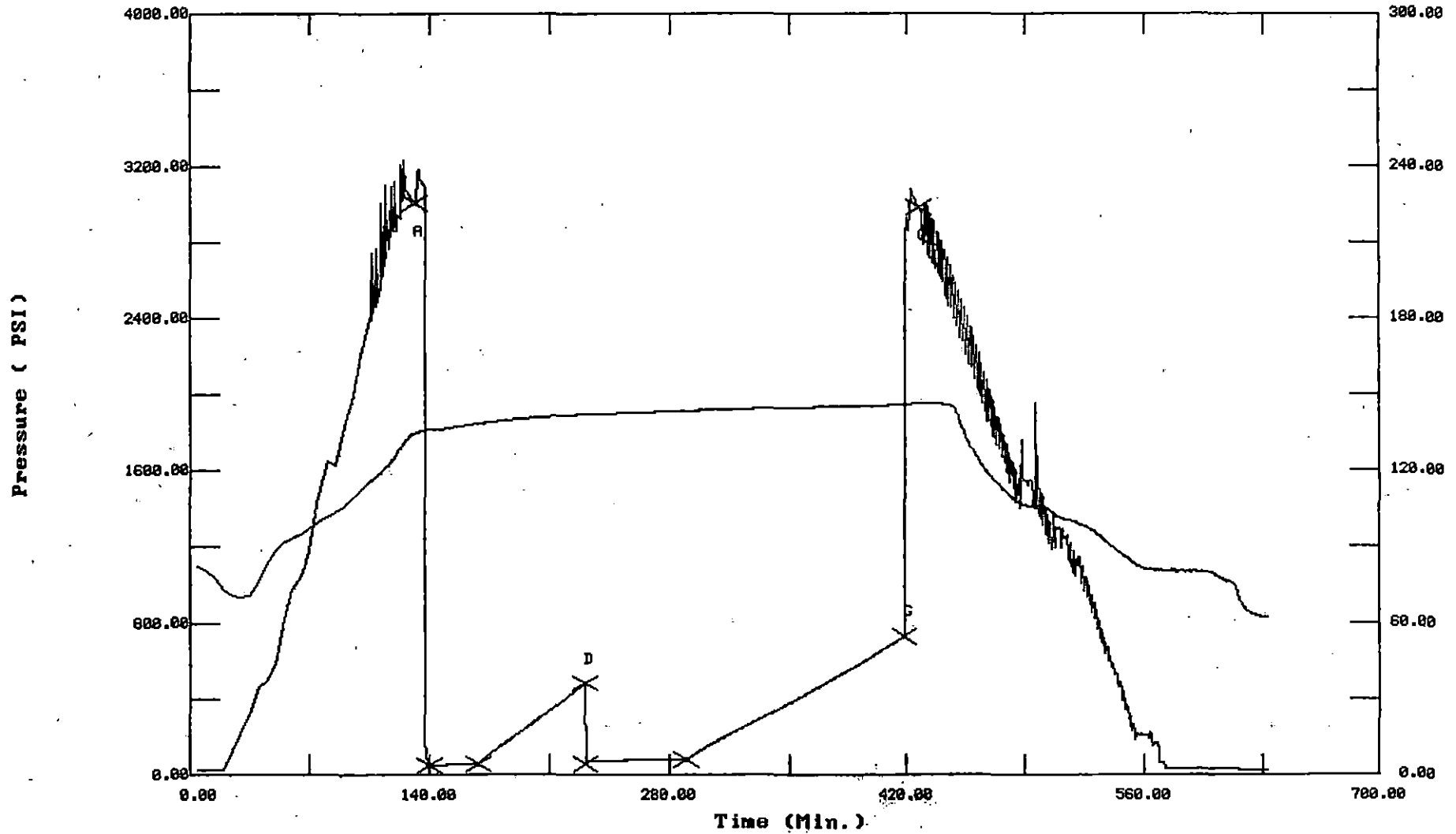


# TEST HISTORY

BEREXCO INC. D.S.T.#2 10-13-97 DELLA "1-14" W.T.C.

Flag Points

	t(Min.)	P( PSI)
A:	0.00	3011.16
B:	0.00	43.26
C:	29.00	55.34
D:	62.00	481.43
E:	0.00	56.68
F:	59.00	79.47
G:	128.50	722.62
Q:	0.00	2986.12



RELEASED

JAN 29 1999

DST REPORT

FROM CONFIDENTIAL

GENERAL INFORMATION

15-189-22236

DATE	: 10/11/97	TICKET	: 22030
CUSTOMER	: BEREXCO, INC.	LEASE	: DELLA
WELL	: #1-14	TEST:	1
ELEVATION	: 3210 KB	GEOLOGIST:	
SECTION	: 14	FORMATION:	MORROW SD
RANGE	: 38W	COUNTY:	STEVENS
GAUGE SN#	: 3027	TOWNSHIP	: 34S
		STATE	: KS
		RANGE	: 4995
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	6268.00 ft	TO:	6286.00 ft	TVD:	6286.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	GAS
DEPTH OF RECORDERS:	6270.0 ft		6282.0 ft		
TEMPERATURE:	142.0				
DRILL COLLAR LENGTH:	180.0 ft	I.D.:	2.200 in		
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in		
DRILL PIPE LENGTH :	6061.0 ft	I.D.:	3.800 in		
TEST TOOL LENGTH :	27.0 ft	TOOL SIZE :	5.500 in		
ANCHOR LENGTH :	18.0 ft	ANCHOR SIZE:	5.500 in		
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:	0.750 in		
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :	4.5XH		
PACKER DEPTH:	6263.0 ft	SIZE:	6.630 in		
PACKER DEPTH:	6268.0 ft	SIZE:	6.630 in		
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in		
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in		

MUD INFORMATION

DRILLING CON. :	SWEETMAN DRLG RIG 1	VISCOSITY :	55.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	6.800 cc
WEIGHT :	9.100 ppg		
CHLORIDES :	1600 ppm	SERIAL NUMBER:	419
JARS-MAKE :	WTC	REVERSED OUT?:	NO
DID WELL FLOW?:	YES		

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW - GAS TO SURFACE  
IN 21 MINUTES. FINAL FLOW PERIOD GAS TO SURFACE.

CISCALIA

PREP'S MAL

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
140.0	0.0	6.0	0.0	94.0	GAS CUT MUD W/SHOW OF OIL
90.0	0.0	5.0	55.0	40.0	GAS C/MUDDY WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 38000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	90.0000 min.
GAS VOLUME:	0.4976 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	1.2262 STB	AVERAGE WATER RATE:	6.4315 STB/D
WATER VOLUME:	0.2327 STB		
TOTAL FLUID :	1.4589 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 3040.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	88.00	69.00
INITIAL SHUT-IN	60.00		1549.00
FINAL FLOW	60.00	56.00	105.00
FINAL SHUT-IN	120.00		1675.00

FINAL HYDROSTATIC PRESSURE: 2979.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 3041.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	88.50	69.40
INITIAL SHUT-IN	60.00		1549.60
FINAL FLOW	60.00	56.00	105.50
FINAL SHUT-IN	120.00		1675.60

FINAL HYDROSTATIC PRESSURE: 2979.00

GAS FLOW REPORT

GENERAL INFORMATION

DATE : 10/11/97	TICKET : 22030
CUSTOMER : BEREXCO, INC.	LEASE : DELLA
WELL : #1-14      TEST: 1	GEOLOGIST:
ELEVATION: 3210 KB	FORMATION: MORROW SD
SECTION : 14	TOWNSHIP : 34S
RANGE : 38W      COUNTY: STEVENS	STATE : KS
GAUGE SN#: 3027      RANGE : 4995	CLOCK : 12

PRE FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
25 MIN	MERLA	0.500	3 PSIG	59200 SCF/D

SECOND FLOW

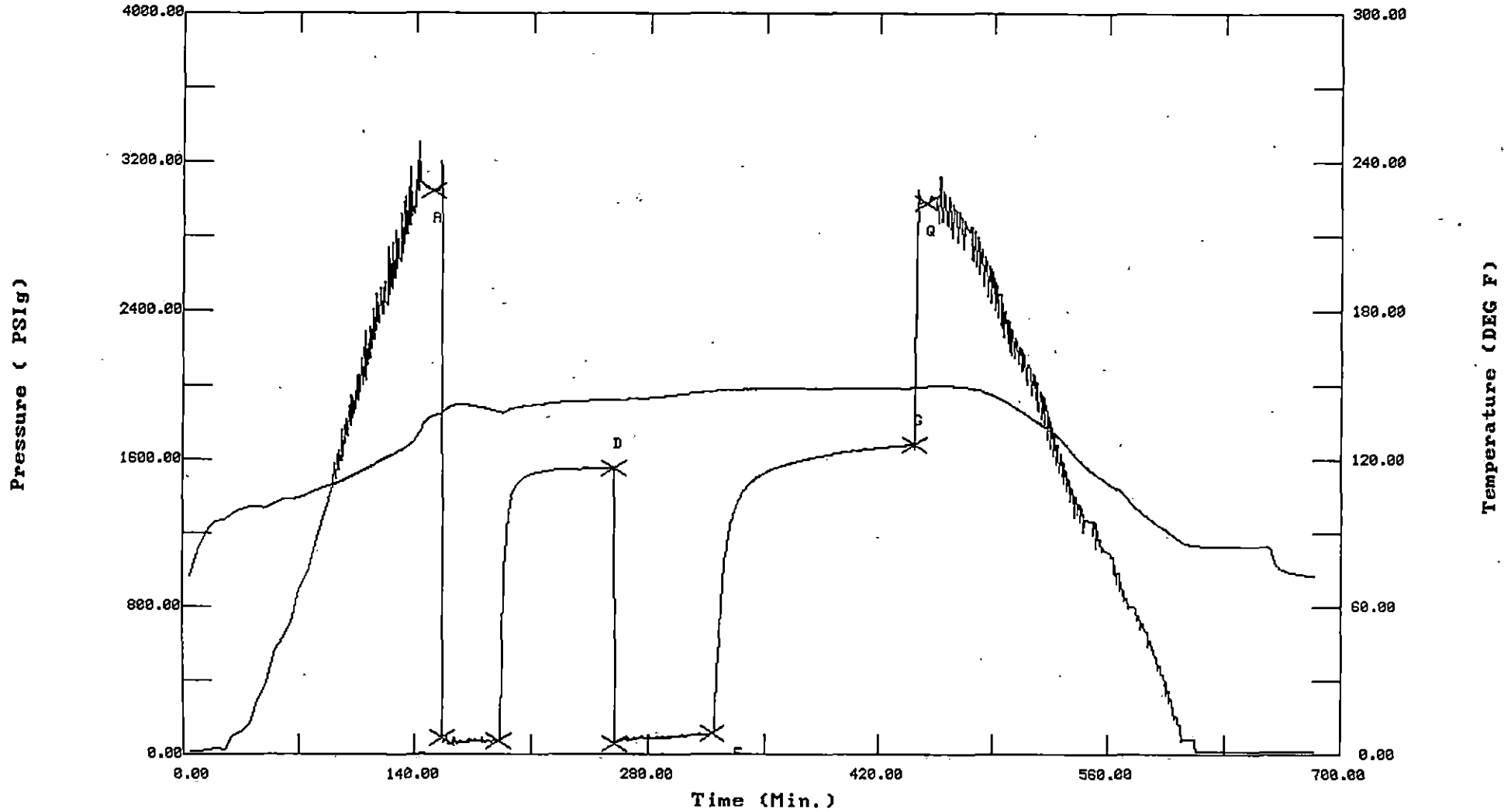
Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
5 MIN	MERLA	0.500	1 PSIG	33900 SCF/D
10 MIN	MERLA	0.500	8" WATER	17200 SCF/D
15 MIN	MERLA	0.500	8" WATER	17200 SCF/D
20 MIN	MERLA	0.500	8" WATER	17200 SCF/D
25 MIN	MERLA	0.500	8" WATER	17200 SCF/D
30 MIN	MERLA	0.500	8" WATER	17200 SCF/D
35 MIN	MERLA	0.500	6" WATER	15400 SCF/D
40 MIN	MERLA	0.500	4" WATER	12500 SCF/D
45 MIN	MERLA	0.500	3" WATER	10900 SCF/D
50 MIN	MERLA	0.500	2" WATER	8870 SCF/D
55 MIN	MERLA	0.500	2" WATER	8870 SCF/D

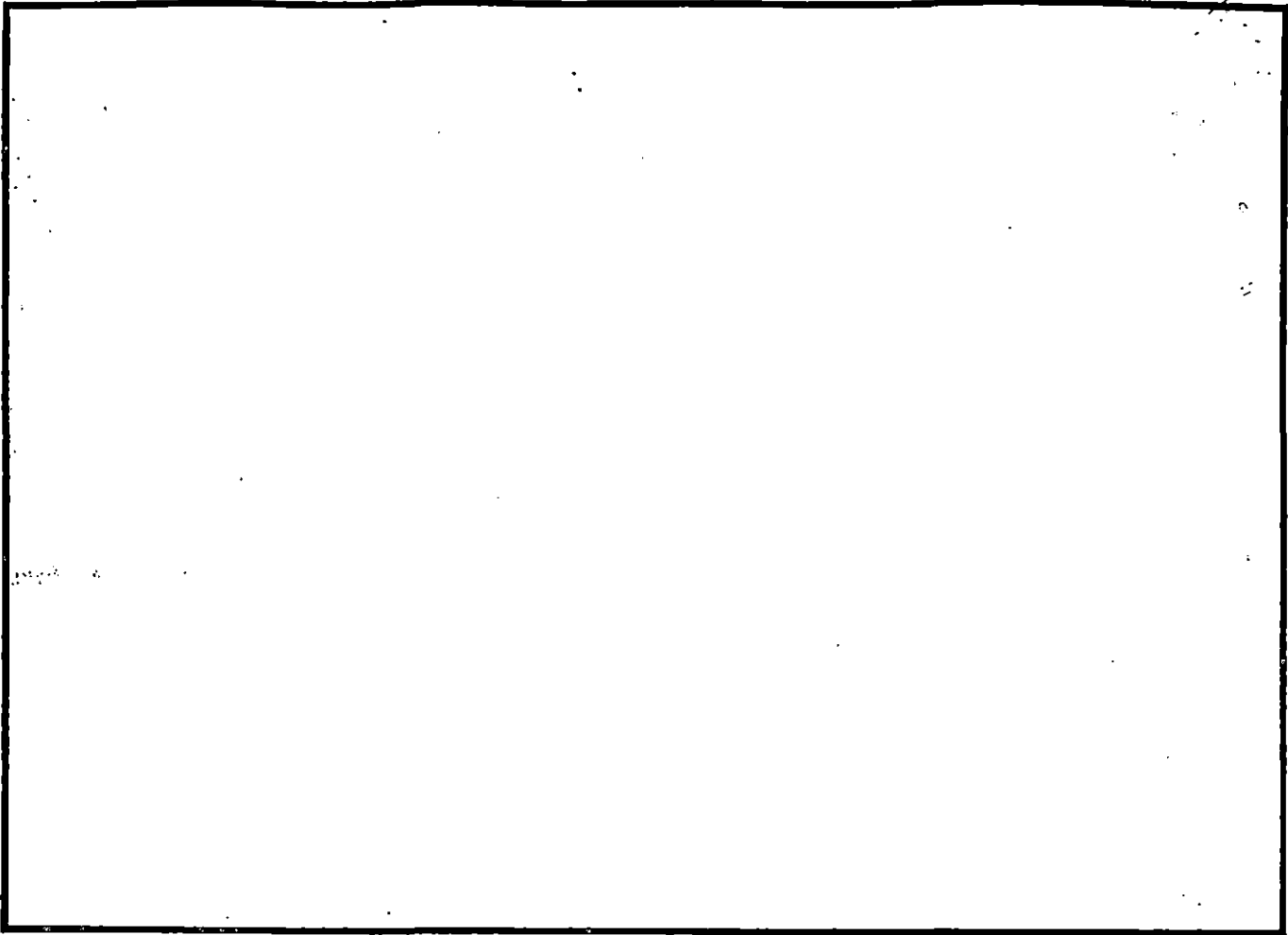
# TEST HISTORY

BEREXCO INC. DELLA #1-14 DST#1 10-11-1997

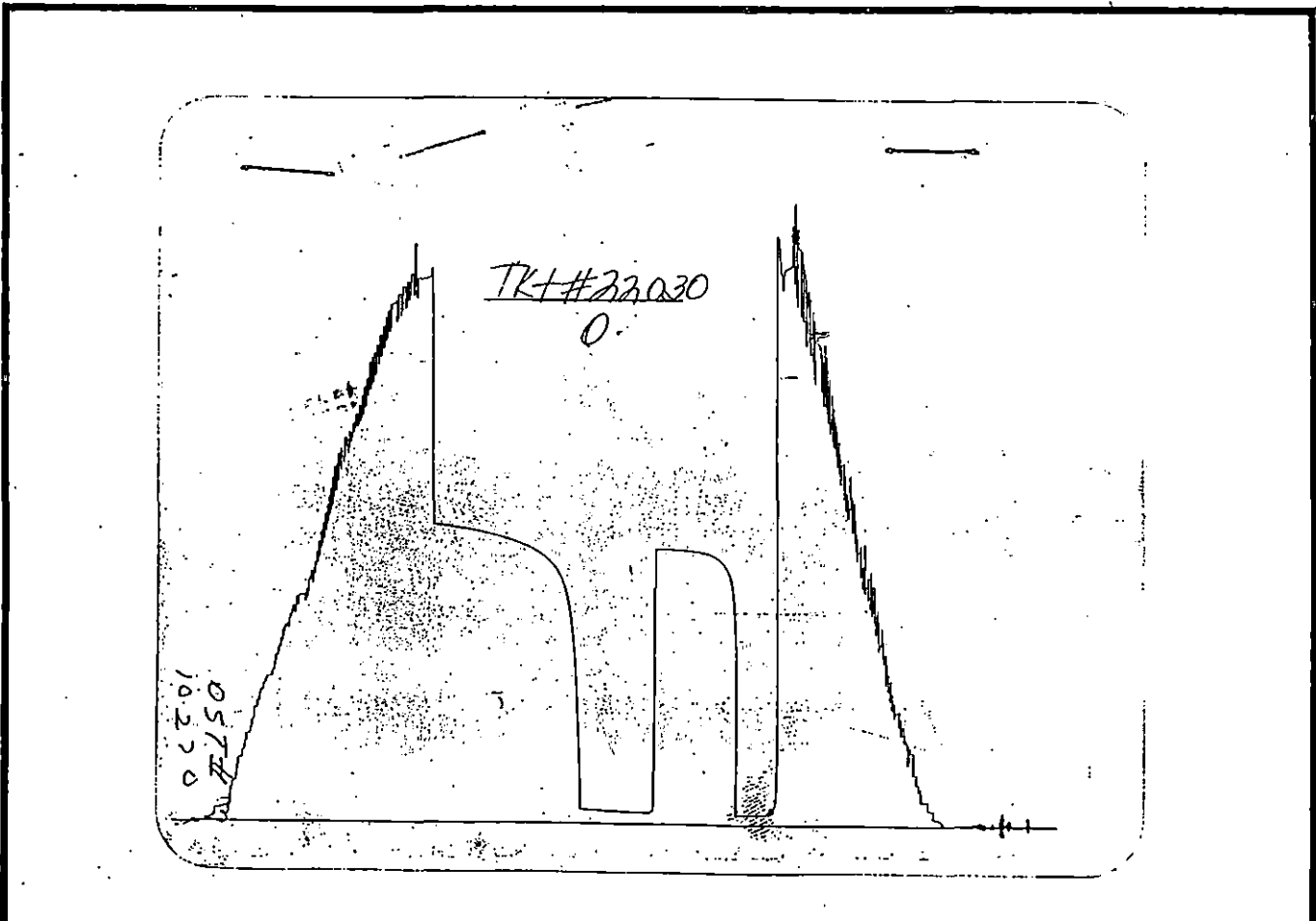
Flag Points

	t (Min.)	P (PSig)
A:	0.00	3040.96
B:	0.00	88.52
C:	33.50	69.40
D:	68.50	1549.55
E:	0.00	56.02
F:	59.00	105.51
G:	122.00	1675.58
Q:	0.00	2979.00





Inside Recorder



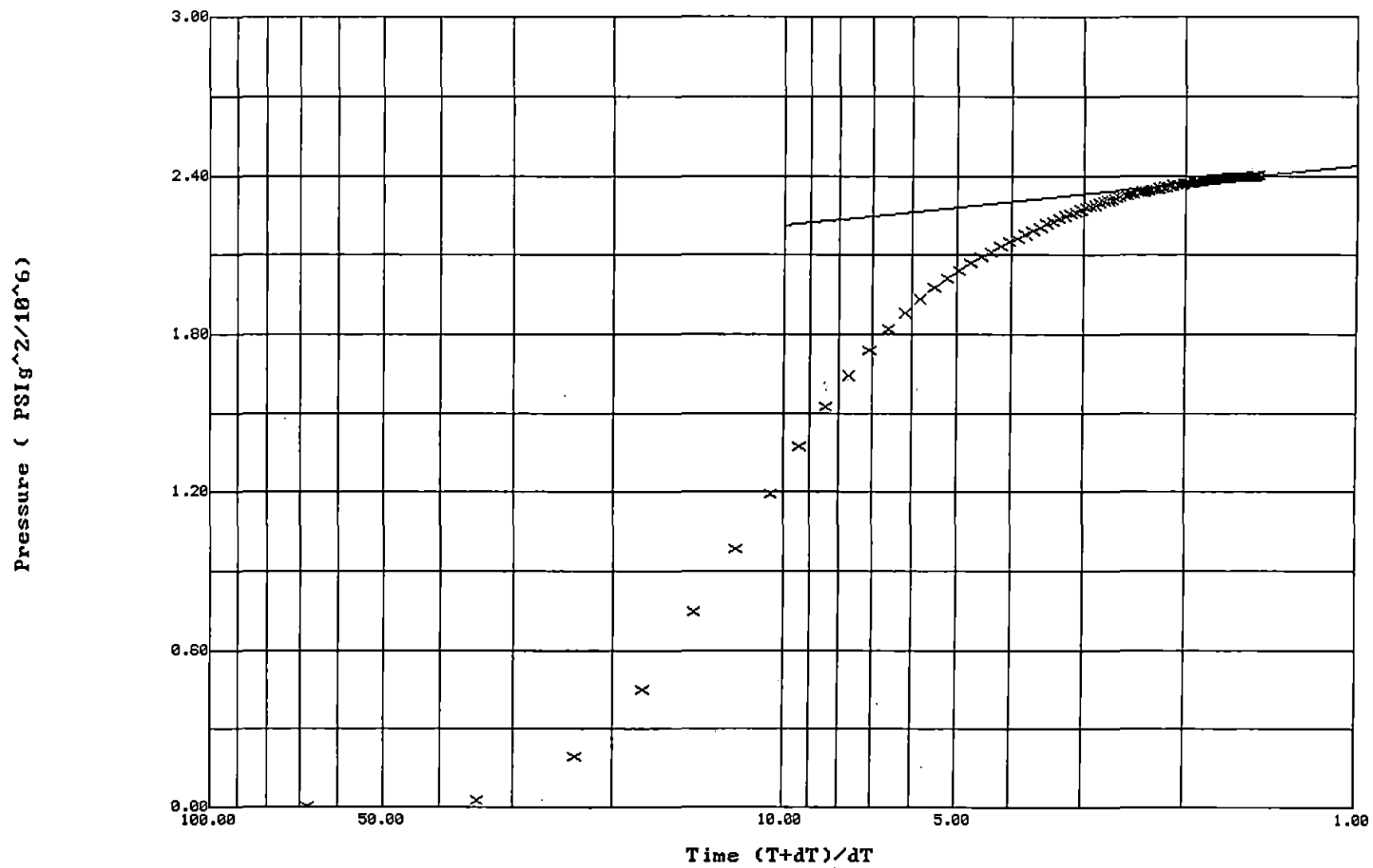


# P<sup>2</sup> Horner Plot: shut-in #1

BEREXCO INC. DELLA #1-14 DST#1 10-11-1997

Slope: 0.2302 PSig<sup>2</sup>/10<sup>6</sup>/cycle

Ext. Pressure: 1562.1656 PSig

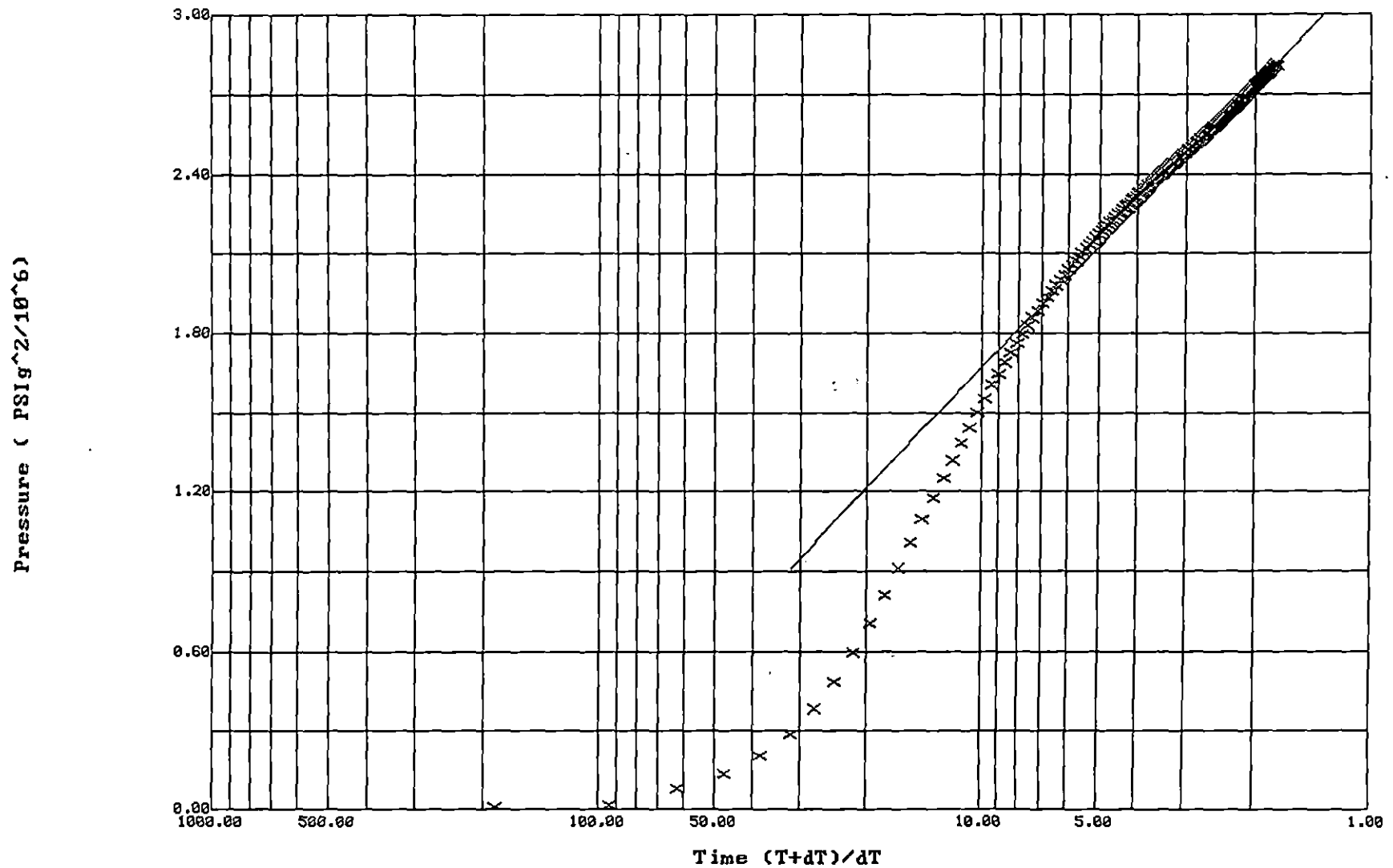


# P<sup>2</sup> Horner Plot: shut-in #2

BEREXCO INC. DELLA #1-14 DST#1 10-11-1997

Slope: 1.5174 PSig<sup>2</sup>/10<sup>6</sup>/cycle

Ext. Pressure: 1786.0793 PSig



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 ALPINE SUBSURFACE ELECTRONICS' PROBE INCREMENTS LISTING

TEST: BEREXCO INC. DELLA #1-14 DST#1 TKT 22030

DATE: 10/11/97 TIME: 20:26:50  
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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.	150.50	3041.0	0.0	137.40		
***** Start Flow 1	0.00	88.5	0.0	139.19		
	0.50	72.9	-15.6	139.53		
	1.00	61.1	-27.4	139.88		
	1.50	67.0	-21.5	140.20		
	2.00	65.7	-22.8	140.48		
	2.50	94.6	6.1	140.74		
	3.00	55.0	-33.5	140.92		
	3.50	50.8	-37.8	141.13		
	4.00	50.2	-38.3	141.31		
	4.50	59.2	-29.3	141.44		
	5.00	52.1	-36.4	141.60		
	5.50	72.1	-16.4	141.71		
	6.00	55.1	-33.4	141.81		
	6.50	63.4	-25.1	141.90		
	7.00	85.7	-2.9	142.00		
	7.50	59.7	-28.8	142.06		
	8.00	59.6	-28.9	142.14		
	8.50	55.8	-32.7	142.18		
	9.00	58.6	-29.9	142.22		
	9.50	63.0	-25.5	142.23		
	10.00	64.3	-24.2	142.25		
	10.50	71.0	-17.5	142.25		
	11.00	59.5	-29.0	142.23		
	11.50	62.4	-26.1	142.21		
	12.00	59.4	-29.1	142.16		
	12.50	60.9	-27.6	142.12		
	13.00	62.1	-26.4	142.07		
	13.50	62.2	-26.3	142.01		
	14.00	60.0	-28.5	141.94		
	14.50	60.8	-27.7	141.88		
	15.00	65.7	-22.8	141.79		
	15.50	73.4	-15.1	141.69		
	16.00	62.1	-26.4	141.63		
	16.50	65.0	-23.6	141.55		
	17.00	76.1	-12.4	141.49		
	17.50	71.8	-16.7	141.39		
	18.00	68.3	-20.2	141.40		
	18.50	68.9	-19.6	141.35		
	19.00	74.7	-13.8	141.31		
	19.50	67.5	-21.0	141.28		
	20.00	68.7	-19.8	141.24		
	20.50	70.2	-18.3	141.21		
	21.00	71.1	-17.4	141.17		
	21.50	70.2	-18.3	141.13		
	22.00	67.1	-21.4	141.09		
	22.50	72.0	-16.5	141.05		
	23.00	66.3	-22.3	140.97		
	23.50	81.4	-7.2	140.88		
	24.00	62.9	-25.7	140.87		
	24.50	72.2	-16.3	140.76		

ALPINE SUBSURFACE ELECTRONICS' PROBE INCREMENTS LISTING

TEST: BEREXCO INC. DELLA #1-14 DST#1 TKT 22030

DATE: 10/11/97 TIME: 20:26:50

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
25.00	69.7	-18.9	140.64		
25.50	63.3	-25.3	140.54		
26.00	66.4	-22.2	140.44		
26.50	68.2	-20.3	140.34		
27.00	68.4	-20.1	140.22		
27.50	69.0	-19.5	140.13		
28.00	67.2	-21.3	140.04		
28.50	71.6	-16.9	139.98		
29.00	64.6	-23.9	139.88		
29.50	65.6	-22.9	139.80		
30.00	67.4	-21.1	139.72		
30.50	68.6	-19.9	139.61		
31.00	66.8	-21.7	139.52		
31.50	65.6	-23.0	139.43		
32.00	66.4	-22.1	139.34		
32.50	66.6	-21.9	139.25		
33.00	66.4	-22.1	139.15		
33.50	69.4	-19.1	139.06		
0.00	69.4	0.0	139.06	0.0000	0.005
0.50	67.5	-1.9	138.97	68.0000	0.005
1.00	164.5	95.1	138.90	34.5000	0.027
1.50	443.5	374.1	138.83	23.3333	0.197
2.00	672.5	603.1	138.84	17.7500	0.452
2.50	863.4	794.0	138.97	14.4000	0.745
3.00	991.1	921.7	139.18	12.1667	0.982
3.50	1093.0	1023.6	139.40	10.5714	1.195
4.00	1171.7	1102.3	139.59	9.3750	1.373
4.50	1234.1	1164.7	139.78	8.4444	1.523
5.00	1282.2	1212.8	139.93	7.7000	1.644
5.50	1319.4	1250.0	140.08	7.0909	1.741
6.00	1348.7	1279.3	140.21	6.5833	1.819
6.50	1371.9	1302.5	140.33	6.1538	1.882
7.00	1390.7	1321.3	140.41	5.7857	1.934
7.50	1405.9	1336.5	140.48	5.4667	1.977
8.00	1418.7	1349.3	140.60	5.1875	2.013
8.50	1429.5	1360.1	140.69	4.9412	2.043
9.00	1438.6	1369.2	140.80	4.7222	2.070
9.50	1446.6	1377.2	140.87	4.5263	2.093
10.00	1453.7	1384.3	140.87	4.3500	2.113
10.50	1460.2	1390.8	140.91	4.1905	2.132
11.00	1466.2	1396.8	140.96	4.0455	2.150
11.50	1470.7	1401.3	141.05	3.9130	2.163
12.00	1475.9	1406.5	141.10	3.7917	2.178
12.50	1480.9	1411.5	141.17	3.6800	2.193
13.00	1485.4	1416.0	141.24	3.5769	2.207
13.50	1489.4	1420.0	141.28	3.4815	2.218
14.00	1492.9	1423.5	141.32	3.3929	2.229
14.50	1496.1	1426.7	141.39	3.3103	2.238
15.00	1499.1	1429.7	141.44	3.2333	2.247
15.50	1501.9	1432.5	141.49	3.1613	2.256
16.00	1504.6	1435.2	141.54	3.0938	2.264

\*\*\*\*\* End Flow 1

\*\*\*\*\* Start Shutin 1

ALPINE SUBSURFACE ELECTRONICS' PROBE INCREMENTS LISTING

TEST: BEREXCO INC. DELLA #1-14 DST#1 TKT 22030

DATE: 10/11/97 TIME: 20:26:50

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
16.50	1507.0	1437.6	141.58	3.0303	2.271
17.00	1509.1	1439.7	141.63	2.9706	2.277
17.50	1511.0	1441.6	141.68	2.9143	2.283
18.00	1512.8	1443.4	141.71	2.8611	2.288
18.50	1514.9	1445.5	141.76	2.8108	2.295
19.00	1516.9	1447.5	141.81	2.7632	2.301
19.50	1518.6	1449.2	141.87	2.7179	2.306
20.00	1520.1	1450.7	141.90	2.6750	2.311
20.50	1521.5	1452.1	141.95	2.6341	2.315
21.00	1523.1	1453.7	141.98	2.5952	2.320
21.50	1524.4	1455.0	142.04	2.5581	2.324
22.00	1525.6	1456.2	142.08	2.5227	2.328
22.50	1526.8	1457.4	142.11	2.4889	2.331
23.00	1527.6	1458.2	142.16	2.4565	2.334
23.50	1528.3	1458.9	142.19	2.4255	2.336
24.00	1529.1	1459.7	142.25	2.3958	2.338
24.50	1529.8	1460.4	142.29	2.3673	2.340
25.00	1530.6	1461.2	142.31	2.3400	2.343
25.50	1531.3	1461.9	142.35	2.3137	2.345
26.00	1532.0	1462.6	142.39	2.2885	2.347
26.50	1532.6	1463.2	142.44	2.2642	2.349
27.00	1533.2	1463.8	142.48	2.2407	2.351
27.50	1533.8	1464.5	142.51	2.2182	2.353
28.00	1534.6	1465.2	142.52	2.1964	2.355
28.50	1535.2	1465.8	142.57	2.1754	2.357
29.00	1535.7	1466.3	142.60	2.1552	2.358
29.50	1536.4	1467.0	142.63	2.1356	2.360
30.00	1536.8	1467.4	142.68	2.1167	2.362
30.50	1537.4	1468.0	142.70	2.0984	2.364
31.00	1537.9	1468.5	142.73	2.0806	2.365
31.50	1538.3	1468.9	142.77	2.0635	2.366
32.00	1538.7	1469.3	142.81	2.0469	2.368
32.50	1539.1	1469.7	142.83	2.0308	2.369
33.00	1539.4	1470.0	142.88	2.0152	2.370
33.50	1539.8	1470.4	142.90	2.0000	2.371
34.00	1540.1	1470.7	142.94	1.9853	2.372
34.50	1540.4	1471.0	142.97	1.9710	2.373
35.00	1540.7	1471.3	142.99	1.9571	2.374
35.50	1541.0	1471.6	143.02	1.9437	2.375
36.00	1541.4	1472.0	143.05	1.9306	2.376
36.50	1541.7	1472.3	143.07	1.9178	2.377
37.00	1542.1	1472.7	143.10	1.9054	2.378
37.50	1542.4	1473.0	143.12	1.8933	2.379
38.00	1542.8	1473.4	143.16	1.8816	2.380
38.50	1543.0	1473.6	143.19	1.8701	2.381
39.00	1543.3	1473.9	143.22	1.8590	2.382
39.50	1543.7	1474.3	143.29	1.8481	2.383
40.00	1543.9	1474.5	143.26	1.8375	2.384
40.50	1544.2	1474.8	143.28	1.8272	2.385
41.00	1544.4	1475.0	143.31	1.8171	2.385
41.50	1544.6	1475.2	143.31	1.8072	2.386

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: BEREXCO INC. DELLA #1-14 DST#1 TKT 22030

DATE: 10/11/97 TIME: 20:26:50

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
42.00	1544.8	1475.4	143.35	1.7976	2.386
42.50	1545.0	1475.6	143.37	1.7882	2.387
43.00	1545.3	1475.9	143.39	1.7791	2.388
43.50	1545.4	1476.0	143.42	1.7701	2.388
44.00	1545.6	1476.2	143.43	1.7614	2.389
44.50	1545.8	1476.4	143.47	1.7528	2.389
45.00	1545.9	1476.5	143.47	1.7444	2.390
45.50	1546.0	1476.6	143.49	1.7363	2.390
46.00	1546.2	1476.8	143.52	1.7283	2.391
46.50	1546.3	1476.9	143.53	1.7204	2.391
47.00	1546.4	1477.0	143.55	1.7128	2.391
47.50	1546.5	1477.1	143.55	1.7053	2.392
48.00	1546.6	1477.2	143.57	1.6979	2.392
48.50	1546.7	1477.3	143.58	1.6907	2.392
49.00	1546.8	1477.4	143.59	1.6837	2.392
49.50	1547.0	1477.6	143.60	1.6768	2.393
50.00	1547.1	1477.7	143.60	1.6700	2.394
50.50	1547.3	1477.9	143.62	1.6634	2.394
51.00	1547.5	1478.1	143.63	1.6569	2.395
51.50	1547.6	1478.2	143.64	1.6505	2.395
52.00	1547.6	1478.3	143.64	1.6442	2.395
52.50	1547.7	1478.3	143.65	1.6381	2.395
53.00	1547.7	1478.4	143.67	1.6321	2.396
53.50	1547.8	1478.4	143.68	1.6262	2.396
54.00	1547.8	1478.4	143.69	1.6204	2.396
54.50	1547.9	1478.5	143.71	1.6147	2.396
55.00	1547.9	1478.5	143.72	1.6091	2.396
55.50	1547.9	1478.5	143.71	1.6036	2.396
56.00	1547.8	1478.4	143.72	1.5982	2.396
56.50	1547.9	1478.5	143.73	1.5929	2.396
57.00	1547.9	1478.5	143.74	1.5877	2.396
57.50	1547.9	1478.5	143.76	1.5826	2.396
58.00	1547.7	1478.4	143.76	1.5776	2.396
58.50	1547.7	1478.3	143.77	1.5726	2.395
59.00	1547.7	1478.3	143.78	1.5678	2.395
59.50	1547.9	1478.5	143.78	1.5630	2.396
60.00	1548.0	1478.6	143.80	1.5583	2.396
60.50	1548.0	1478.6	143.81	1.5537	2.396
61.00	1547.9	1478.5	143.83	1.5492	2.396
61.50	1548.0	1478.6	143.85	1.5447	2.396
62.00	1548.3	1479.0	143.86	1.5403	2.397
62.50	1548.5	1479.1	143.87	1.5360	2.398
63.00	1548.6	1479.2	143.88	1.5317	2.398
63.50	1548.7	1479.3	143.89	1.5276	2.398
64.00	1548.7	1479.3	143.93	1.5234	2.398
64.50	1548.7	1479.3	143.94	1.5194	2.399
65.00	1548.7	1479.3	143.95	1.5154	2.398
65.50	1548.7	1479.3	143.97	1.5115	2.398
66.00	1548.7	1479.3	143.97	1.5076	2.398
66.50	1549.1	1479.7	144.01	1.5038	2.400
67.00	1549.2	1479.8	144.02	1.5000	2.400

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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: BEREXCO INC. DELLA #1-14 DST#1 TKT 22030

DATE: 10/11/97 TIME: 20:26:50  
 -----

	Time	Pressure PSig	delta PSig	P	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	67.50	1549.3	1479.9		144.05	1.4963	2.400
	68.00	1549.4	1480.0		144.06	1.4926	2.400
***** End Shut-in 1	68.50	1549.6	1480.2		144.08	1.4891	2.401
***** Start Flow 2	0.00	56.0	0.0		144.12		
	0.50	57.7	1.7		144.11		
	1.00	61.4	5.4		144.07		
	1.50	64.3	8.3		144.03		
	2.00	66.5	10.5		143.99		
	2.50	69.0	13.0		143.96		
	3.00	68.6	12.5		143.98		
	3.50	69.9	13.9		144.00		
	4.00	70.9	14.8		144.03		
	4.50	71.7	15.6		144.07		
	5.00	73.7	17.7		144.11		
	5.50	75.4	19.4		144.16		
	6.00	75.2	19.2		144.20		
	6.50	76.9	20.9		144.26		
	7.00	74.2	18.2		144.30		
	7.50	71.2	15.2		144.33		
	8.00	84.1	28.1		144.38		
	8.50	80.0	24.0		144.43		
	9.00	80.1	24.1		144.47		
	9.50	80.8	24.8		144.51		
	10.00	80.2	24.1		144.56		
	10.50	79.4	23.3		144.61		
	11.00	81.7	25.6		144.64		
	11.50	78.8	22.8		144.68		
	12.00	82.7	26.7		144.71		
	12.50	79.9	23.8		144.72		
	13.00	80.0	24.0		144.75		
	13.50	80.3	24.3		144.76		
	14.00	81.5	25.4		144.78		
	14.50	81.4	25.4		144.78		
	15.00	81.8	25.7		144.77		
	15.50	93.4	37.4		144.78		
	16.00	81.9	25.9		144.77		
	16.50	82.5	26.5		144.76		
	17.00	91.1	35.1		144.76		
	17.50	83.8	27.7		144.76		
	18.00	83.5	27.5		144.76		
	18.50	85.1	29.1		144.79		
	19.00	84.1	28.1		144.79		
	19.50	84.0	28.0		144.82		
	20.00	85.2	29.2		144.86		
	20.50	84.8	28.7		144.89		
	21.00	86.1	30.1		144.90		
	21.50	83.7	27.7		144.95		
	22.00	84.7	28.7		144.98		
	22.50	85.7	29.7		145.01		
	23.00	85.4	29.4		145.05		
	23.50	85.9	29.9		145.08		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: BEREXCO INC. DELLA #1-14 DST#1 TKT 22030

DATE: 10/11/97 TIME: 20:26:50

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
24.00	86.5	30.5	145.12		
24.50	86.6	30.6	145.14		
25.00	86.2	30.2	145.16		
25.50	94.9	38.8	145.18		
26.00	86.5	30.4	145.20		
26.50	85.7	29.6	145.24		
27.00	87.3	31.3	145.29		
27.50	88.3	32.3	145.31		
28.00	88.2	32.1	145.35		
28.50	89.7	33.6	145.39		
29.00	89.5	33.5	145.45		
29.50	84.8	28.8	145.50		
30.00	85.4	29.4	145.55		
30.50	83.3	27.3	145.66		
31.00	86.8	30.8	145.72		
31.50	86.7	30.6	145.73		
32.00	90.0	34.0	145.73		
32.50	89.2	33.2	145.73		
33.00	88.4	32.3	145.73		
33.50	88.7	32.7	145.74		
34.00	90.2	34.2	145.81		
34.50	92.8	36.8	145.86		
35.00	93.0	37.0	145.91		
35.50	92.9	36.9	145.96		
36.00	93.4	37.4	146.02		
36.50	91.7	35.7	146.04		
37.00	91.3	35.3	146.11		
37.50	91.5	35.5	146.16		
38.00	91.6	35.6	146.20		
38.50	91.8	35.8	146.23		
39.00	92.8	36.8	146.28		
39.50	91.3	35.3	146.33		
40.00	94.6	38.6	146.36		
40.50	99.7	43.7	146.39		
41.00	100.0	44.0	146.44		
41.50	95.6	39.6	146.46		
42.00	95.8	39.8	146.51		
42.50	94.3	38.3	146.55		
43.00	95.4	39.4	146.58		
43.50	95.4	39.4	146.63		
44.00	97.3	41.3	146.66		
44.50	97.3	41.3	146.69		
45.00	96.9	40.9	146.72		
45.50	97.3	41.3	146.76		
46.00	97.1	41.1	146.79		
46.50	98.8	42.8	146.83		
47.00	98.6	42.6	146.86		
47.50	98.7	42.6	146.87		
48.00	99.0	43.0	146.93		
48.50	98.1	42.1	146.97		
49.00	100.8	44.8	146.99		



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: BEREXCO INC. DELLA #1-14 DST#1 TKT 22030

DATE: 10/11/97 TIME: 20:26:50

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	49.50	100.8	44.8	147.03		
	50.00	100.5	44.5	147.08		
	50.50	100.8	44.8	147.09		
	51.00	106.4	50.4	147.13		
	51.50	101.0	45.0	147.17		
	52.00	101.4	45.4	147.21		
	52.50	102.2	46.2	147.26		
	53.00	101.1	45.1	147.28		
	53.50	102.5	46.5	147.34		
	54.00	101.7	45.7	147.35		
	54.50	102.6	46.5	147.37		
	55.00	102.1	46.1	147.42		
	55.50	103.0	47.0	147.44		
	56.00	102.9	46.9	147.49		
	56.50	104.8	48.7	147.53		
	57.00	103.5	47.5	147.55		
	57.50	103.4	47.4	147.58		
	58.00	105.5	49.5	147.64		
	58.50	105.9	49.9	147.68		
	59.00	105.5	49.5	147.71		
***** End Flow 2						
***** Start Shutin 2	0.00	105.5	0.0	147.71	0.0000	0.011
	0.50	105.1	-0.4	147.74	186.0000	0.011
	1.00	130.0	24.5	147.79	93.5000	0.017
	1.50	281.9	176.4	147.83	62.6667	0.079
	2.00	370.1	264.6	147.88	47.2500	0.137
	2.50	454.1	348.6	147.92	38.0000	0.206
	3.00	537.5	432.0	147.95	31.8333	0.289
	3.50	618.9	513.4	148.00	27.4286	0.383
	4.00	697.2	591.7	148.02	24.1250	0.486
	4.50	771.3	665.8	148.06	21.5556	0.595
	5.00	839.2	733.7	148.09	19.5000	0.704
	5.50	900.3	794.8	148.13	17.8182	0.811
	6.00	954.8	849.3	148.15	16.4167	0.912
	6.50	1003.5	898.0	148.16	15.2308	1.007
	7.00	1046.5	941.0	148.17	14.2143	1.095
	7.50	1084.4	978.9	148.19	13.3333	1.176
	8.00	1117.9	1012.4	148.21	12.5625	1.250
	8.50	1148.3	1042.8	148.23	11.8824	1.319
	9.00	1176.4	1070.9	148.27	11.2778	1.384
	9.50	1202.3	1096.8	148.28	10.7368	1.445
	10.00	1225.9	1120.3	148.31	10.2500	1.503
	10.50	1247.2	1141.7	148.32	9.8095	1.555
	11.00	1266.6	1161.1	148.37	9.4091	1.604
	11.50	1284.1	1178.6	148.38	9.0435	1.649
	12.00	1300.2	1194.7	148.38	8.7083	1.690
	12.50	1314.9	1209.4	148.40	8.4000	1.729
	13.00	1328.5	1222.9	148.40	8.1154	1.765
	13.50	1340.9	1235.4	148.42	7.8519	1.798
	14.00	1352.5	1247.0	148.42	7.6071	1.829
	14.50	1363.3	1257.8	148.43	7.3793	1.859
	15.00	1373.4	1267.8	148.44	7.1667	1.886

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: BEREXCO INC. DELLA #1-14 DST#1 TKT 22030

DATE: 10/11/97

TIME: 20:26:50

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>
15.50	1382.7	1277.2	148.44	6.9677	1.912
16.00	1391.4	1285.9	148.44	6.7812	1.936
16.50	1399.6	1294.1	148.45	6.6061	1.959
17.00	1407.3	1301.8	148.44	6.4412	1.981
17.50	1414.6	1309.1	148.45	6.2857	2.001
18.00	1421.5	1316.0	148.31	6.1389	2.021
18.50	1428.0	1322.5	148.46	6.0000	2.039
19.00	1434.2	1328.7	148.47	5.8684	2.057
19.50	1440.1	1334.6	148.46	5.7436	2.074
20.00	1445.6	1340.1	148.47	5.6250	2.090
20.50	1451.0	1345.4	148.46	5.5122	2.105
21.00	1456.0	1350.5	148.46	5.4048	2.120
21.50	1460.9	1355.4	148.47	5.3023	2.134
22.00	1465.5	1360.0	148.46	5.2045	2.148
22.50	1469.9	1364.4	148.46	5.1111	2.161
23.00	1474.2	1368.7	148.46	5.0217	2.173
23.50	1478.3	1372.8	148.47	4.9362	2.185
24.00	1482.2	1376.7	148.46	4.8542	2.197
24.50	1486.0	1380.5	148.47	4.7755	2.208
25.00	1489.6	1384.1	148.47	4.7000	2.219
25.50	1493.0	1387.5	148.46	4.6275	2.229
26.00	1496.4	1390.9	148.48	4.5577	2.239
26.50	1499.7	1394.2	148.46	4.4906	2.249
27.00	1502.7	1397.2	148.48	4.4259	2.258
27.50	1505.8	1400.3	148.47	4.3636	2.267
28.00	1508.7	1403.2	148.47	4.3036	2.276
28.50	1511.6	1406.1	148.52	4.2456	2.285
29.00	1514.3	1408.8	148.47	4.1897	2.293
29.50	1516.9	1411.4	148.47	4.1356	2.301
30.00	1519.5	1413.9	148.47	4.0833	2.309
30.50	1522.0	1416.4	148.46	4.0328	2.316
31.00	1524.4	1418.9	148.48	3.9839	2.324
31.50	1526.7	1421.2	148.46	3.9365	2.331
32.00	1529.0	1423.5	148.47	3.8906	2.338
32.50	1531.2	1425.7	148.47	3.8462	2.345
33.00	1533.4	1427.9	148.47	3.8030	2.351
33.50	1535.5	1430.0	148.48	3.7612	2.358
34.00	1537.6	1432.1	148.47	3.7206	2.364
34.50	1539.6	1434.1	148.49	3.6812	2.370
35.00	1541.5	1436.0	148.48	3.6429	2.376
35.50	1543.4	1437.9	148.48	3.6056	2.382
36.00	1545.3	1439.8	148.50	3.5694	2.388
36.50	1547.1	1441.6	148.47	3.5342	2.394
37.00	1548.9	1443.4	148.48	3.5000	2.399
37.50	1550.6	1445.1	148.49	3.4667	2.404
38.00	1552.4	1446.9	148.48	3.4342	2.410
38.50	1554.1	1448.6	148.47	3.4026	2.415
39.00	1555.7	1450.2	148.48	3.3718	2.420
39.50	1557.3	1451.8	148.48	3.3418	2.425
40.00	1558.9	1453.4	148.48	3.3125	2.430
40.50	1560.5	1455.0	148.48	3.2840	2.435

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: BEREXCO INC. DELLA #1-14 DST#1 TKT 22030

DATE: 10/11/97 TIME: 20:26:50

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
41.00	1562.0	1456.5	148.49	3.2561	2.440
41.50	1563.5	1458.0	148.48	3.2289	2.445
42.00	1565.0	1459.5	148.48	3.2024	2.449
42.50	1566.4	1460.9	148.47	3.1765	2.454
43.00	1567.9	1462.3	148.48	3.1512	2.458
43.50	1569.3	1463.8	148.48	3.1264	2.463
44.00	1570.7	1465.2	148.48	3.1023	2.467
44.50	1572.0	1466.5	148.49	3.0787	2.471
45.00	1573.4	1467.9	148.49	3.0556	2.475
45.50	1574.6	1469.1	148.48	3.0330	2.479
46.00	1575.9	1470.4	148.47	3.0109	2.484
46.50	1577.2	1471.7	148.48	2.9892	2.488
47.00	1578.5	1473.0	148.49	2.9681	2.492
47.50	1579.8	1474.3	148.49	2.9474	2.496
48.00	1581.0	1475.5	148.49	2.9271	2.499
48.50	1582.2	1476.7	148.48	2.9072	2.503
49.00	1583.4	1477.9	148.48	2.8878	2.507
49.50	1584.6	1479.1	148.50	2.8687	2.511
50.00	1585.7	1480.2	148.49	2.8500	2.515
50.50	1586.9	1481.4	148.49	2.8317	2.518
51.00	1588.1	1482.6	148.49	2.8137	2.522
51.50	1589.2	1483.7	148.50	2.7961	2.526
52.00	1590.3	1484.8	148.50	2.7788	2.529
52.50	1591.4	1485.9	148.49	2.7619	2.532
53.00	1592.5	1487.0	148.50	2.7453	2.536
53.50	1593.5	1488.0	148.51	2.7290	2.539
54.00	1594.6	1489.1	148.50	2.7130	2.543
54.50	1595.7	1490.1	148.50	2.6972	2.546
55.00	1596.7	1491.2	148.51	2.6818	2.549
55.50	1597.7	1492.2	148.52	2.6667	2.553
56.00	1598.7	1493.2	148.52	2.6518	2.556
56.50	1599.7	1494.2	148.51	2.6372	2.559
57.00	1600.7	1495.2	148.54	2.6228	2.562
57.50	1601.7	1496.2	148.53	2.6087	2.565
58.00	1602.6	1497.1	148.54	2.5948	2.568
58.50	1603.6	1498.1	148.55	2.5812	2.572
59.00	1604.5	1499.0	148.55	2.5678	2.575
59.50	1605.5	1500.0	148.54	2.5546	2.578
60.00	1606.4	1500.9	148.55	2.5417	2.581
60.50	1607.3	1501.8	148.56	2.5289	2.584
61.00	1608.3	1502.7	148.55	2.5164	2.586
61.50	1609.2	1503.7	148.56	2.5041	2.589
62.00	1610.0	1504.5	148.55	2.4919	2.592
62.50	1611.0	1505.5	148.56	2.4800	2.595
63.00	1611.9	1506.3	148.56	2.4683	2.598
63.50	1612.7	1507.2	148.57	2.4567	2.601
64.00	1613.6	1508.1	148.57	2.4453	2.604
64.50	1614.5	1509.0	148.57	2.4341	2.606
65.00	1615.3	1509.8	148.57	2.4231	2.609
65.50	1616.2	1510.7	148.57	2.4122	2.612
66.00	1617.0	1511.5	148.58	2.4015	2.615

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: BEREXCO INC. DELLA #1-14 DST#1 TKT 22030

DATE: 10/11/97 TIME: 20:26:50

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
66.50	1617.8	1512.3	148.59	2.3910	2.617
67.00	1618.7	1513.2	148.60	2.3806	2.620
67.50	1619.5	1514.0	148.60	2.3704	2.623
68.00	1620.3	1514.8	148.65	2.3603	2.625
68.50	1621.1	1515.6	148.55	2.3504	2.628
69.00	1621.9	1516.4	148.58	2.3406	2.631
69.50	1622.7	1517.2	148.60	2.3309	2.633
70.00	1623.5	1518.0	148.59	2.3214	2.636
70.50	1624.3	1518.8	148.59	2.3121	2.638
71.00	1625.0	1519.5	148.60	2.3028	2.641
71.50	1625.8	1520.3	148.60	2.2937	2.643
72.00	1626.5	1521.0	148.61	2.2847	2.646
72.50	1627.3	1521.8	148.61	2.2759	2.648
73.00	1628.0	1522.5	148.59	2.2671	2.651
73.50	1628.8	1523.3	148.61	2.2585	2.653
74.00	1629.5	1524.0	148.62	2.2500	2.655
74.50	1630.2	1524.7	148.63	2.2416	2.658
75.00	1630.9	1525.4	148.63	2.2333	2.660
75.50	1631.6	1526.1	148.63	2.2252	2.662
76.00	1632.4	1526.9	148.63	2.2171	2.665
76.50	1633.0	1527.5	148.64	2.2092	2.667
77.00	1633.8	1528.3	148.63	2.2013	2.669
77.50	1634.4	1528.9	148.64	2.1935	2.671
78.00	1635.1	1529.6	148.66	2.1859	2.674
78.50	1635.8	1530.3	148.66	2.1783	2.676
79.00	1636.5	1531.0	148.66	2.1709	2.678
79.50	1637.2	1531.7	148.68	2.1635	2.680
80.00	1637.8	1532.3	148.68	2.1562	2.682
80.50	1638.5	1533.0	148.66	2.1491	2.685
81.00	1639.2	1533.7	148.67	2.1420	2.687
81.50	1639.8	1534.3	148.69	2.1350	2.689
82.00	1640.5	1535.0	148.69	2.1280	2.691
82.50	1641.1	1535.6	148.70	2.1212	2.693
83.00	1641.8	1536.2	148.70	2.1145	2.695
83.50	1642.4	1536.9	148.72	2.1078	2.697
84.00	1643.0	1537.5	148.72	2.1012	2.699
84.50	1643.6	1538.1	148.72	2.0947	2.702
85.00	1644.2	1538.7	148.72	2.0882	2.704
85.50	1644.8	1539.3	148.72	2.0819	2.706
86.00	1645.5	1540.0	148.74	2.0756	2.708
86.50	1646.1	1540.6	148.74	2.0694	2.710
87.00	1646.7	1541.2	148.74	2.0632	2.712
87.50	1647.2	1541.7	148.74	2.0571	2.713
88.00	1647.8	1542.3	148.75	2.0511	2.715
88.50	1648.5	1543.0	148.75	2.0452	2.717
89.00	1649.0	1543.5	148.75	2.0393	2.719
89.50	1649.6	1544.1	148.75	2.0335	2.721
90.00	1650.2	1544.7	148.76	2.0278	2.723
90.50	1650.7	1545.2	148.76	2.0221	2.725
91.00	1651.3	1545.8	148.76	2.0165	2.727
91.50	1651.8	1546.3	148.76	2.0109	2.729

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: BEREXCO INC. DELLA #1-14 DST#1 TKT 22030

DATE: 10/11/97

TIME: 20:26:50

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
92.00	1652.4	1546.9	148.78	2.0054	2.730
92.50	1653.0	1547.4	148.78	2.0000	2.732
93.00	1653.5	1548.0	148.78	1.9946	2.734
93.50	1654.0	1548.5	148.80	1.9893	2.736
94.00	1654.5	1549.0	148.80	1.9840	2.737
94.50	1655.1	1549.6	148.79	1.9788	2.739
95.00	1655.6	1550.1	148.80	1.9737	2.741
95.50	1656.1	1550.6	148.81	1.9686	2.743
96.00	1656.6	1551.1	148.82	1.9635	2.744
96.50	1657.1	1551.6	148.82	1.9585	2.746
97.00	1657.6	1552.1	148.82	1.9536	2.748
97.50	1658.2	1552.7	148.82	1.9487	2.749
98.00	1658.7	1553.2	148.84	1.9439	2.751
98.50	1659.2	1553.7	148.84	1.9391	2.753
99.00	1659.7	1554.2	148.84	1.9343	2.754
99.50	1660.2	1554.7	148.84	1.9296	2.756
100.00	1660.6	1555.1	148.83	1.9250	2.758
100.50	1661.1	1555.6	148.85	1.9204	2.759
101.00	1661.6	1556.1	148.86	1.9158	2.761
101.50	1662.1	1556.6	148.86	1.9113	2.763
102.00	1662.5	1557.0	148.88	1.9069	2.764
102.50	1663.0	1557.5	148.88	1.9024	2.766
103.00	1663.5	1558.0	148.88	1.8981	2.767
103.50	1664.0	1558.5	148.89	1.8937	2.769
104.00	1664.4	1558.9	148.89	1.8894	2.770
104.50	1664.9	1559.4	148.88	1.8852	2.772
105.00	1665.3	1559.8	148.89	1.8810	2.773
105.50	1665.8	1560.3	148.91	1.8768	2.775
106.00	1666.3	1560.8	148.91	1.8726	2.776
106.50	1666.7	1561.2	148.90	1.8685	2.778
107.00	1667.1	1561.6	148.91	1.8645	2.779
107.50	1667.6	1562.1	148.91	1.8605	2.781
108.00	1668.0	1562.5	148.93	1.8565	2.782
108.50	1668.5	1563.0	148.95	1.8525	2.784
109.00	1668.9	1563.4	148.91	1.8486	2.785
109.50	1669.4	1563.8	148.93	1.8447	2.787
110.00	1669.8	1564.3	148.96	1.8409	2.788
110.50	1670.2	1564.7	148.95	1.8371	2.790
111.00	1670.6	1565.1	148.96	1.8333	2.791
111.50	1671.0	1565.5	148.97	1.8296	2.792
112.00	1671.4	1565.9	148.97	1.8259	2.794
112.50	1671.8	1566.3	148.97	1.8222	2.795
113.00	1672.3	1566.8	148.98	1.8186	2.796
113.50	1672.6	1567.1	148.97	1.8150	2.798
114.00	1673.0	1567.5	148.98	1.8114	2.799
114.50	1673.4	1567.9	149.00	1.8079	2.800
115.00	1673.8	1568.3	148.99	1.8043	2.802
115.50	1674.2	1568.7	149.00	1.8009	2.803
116.00	1674.6	1569.1	149.00	1.7974	2.804
116.50	1675.0	1569.5	149.01	1.7940	2.806
117.00	1675.4	1569.9	149.03	1.7906	2.807

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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: BEREXCO INC. DELLA #1-14 DST#1 TKT 22030

DATE: 10/11/97 TIME: 20:26:50  
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	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	117.50	1675.7	1570.2	149.03	1.7872	2.808
	118.00	1676.1	1570.6	149.05	1.7839	2.809
	118.50	1676.5	1571.0	149.05	1.7806	2.811
	119.00	1676.8	1571.3	149.05	1.7773	2.812
	119.50	1677.2	1571.7	149.06	1.7741	2.813
	120.00	1677.6	1572.1	149.07	1.7708	2.814
	120.50	1678.0	1572.5	149.08	1.7676	2.816
	121.00	1678.3	1572.8	149.08	1.7645	2.817
	121.50	1678.7	1573.2	149.09	1.7613	2.818
***** End Shut-in 2	122.00	1675.6	1570.1	149.09	1.7582	2.808
***** Final Hydro.	448.50	2979.0	0.0	149.65		

DST REPORT

GENERAL INFORMATION

DATE : 10/13/97 TICKET : 22525  
CUSTOMER : BEREXCO, INC. LEASE : DELLA  
WELL : #1-14 TEST: 2 GEOLOGIST:  
ELEVATION: 3210 KB FORMATION: MORROW SS  
SECTION : 14 TOWNSHIP : 34S  
RANGE : 38W COUNTY: STEVENS STATE : KS  
GAUGE SN#: 13630 RANGE : 4625 CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 6180.00 ft TO: 6230.00 ft TVD: 6490.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: GAS  
DEPTH OF RECORDERS: 6182.0 ft 6220.0 ft  
TEMPERATURE: 145.0

DRILL COLLAR LENGTH: 375.0 ft I.D.: 2.200 in  
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in  
DRILL PIPE LENGTH : 5777.0 ft I.D.: 3.600 in  
TEST TOOL LENGTH : 28.0 ft TOOL SIZE : 5.500 in  
ANCHOR LENGTH : 50.0 ft ANCHOR SIZE: 5.500 in  
SURFACE CHOKE SIZE : 0.750 in BOTTOM CHOKE SIZE: 0.750 in  
MAIN HOLE SIZE : 7.875 in TOOL JOINT SIZE : 4.5XH  
PACKER DEPTH: 6175.0 ft SIZE: 6.630 in  
PACKER DEPTH: 6180.0 ft SIZE: 6.630 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : SWEETMAN DRLG RIG 1  
MUD TYPE : CHEMICAL VISCOSITY : 58.00 cp  
WEIGHT : 9.000 ppg WATER LOSS: 8.000 cc  
CHLORIDES : 1700 ppm  
JARS-MAKE : WTC SERIAL NUMBER: 420  
DID WELL FLOW?: NO REVERSED OUT?: NO

COMMENTS

Comment

SURFACE BLOW, BUILDING TO 5" IN BUCKET IN 20 MIN.  
STABILIZED INITIAL FLOW PERIOD. 6" BLOW  
IMMEDIATELY, DECREASED TO 2" IN BUCKET 60 MINUTES

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

ON FINAL FLOW PERIOD.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	275' OF GAS ABOVE FLUID.
100.0	0.0	2.0	0.0	98.0	V. SLI GAS CUT MUD

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	90.0000 min.
GAS VOLUME:	0.0528 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	0.4607 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	0.4607 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 3011.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	43.00	55.00
INITIAL SHUT-IN	60.00		481.00
FINAL FLOW	60.00	56.00	79.00
FINAL SHUT-IN	120.00		723.00

FINAL HYDROSTATIC PRESSURE: 2986.00



DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 3011.16

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	43.26	55.34
INITIAL SHUT-IN	60.00		481.43
FINAL FLOW	60.00	56.68	79.47
FINAL SHUT-IN	120.00		722.62

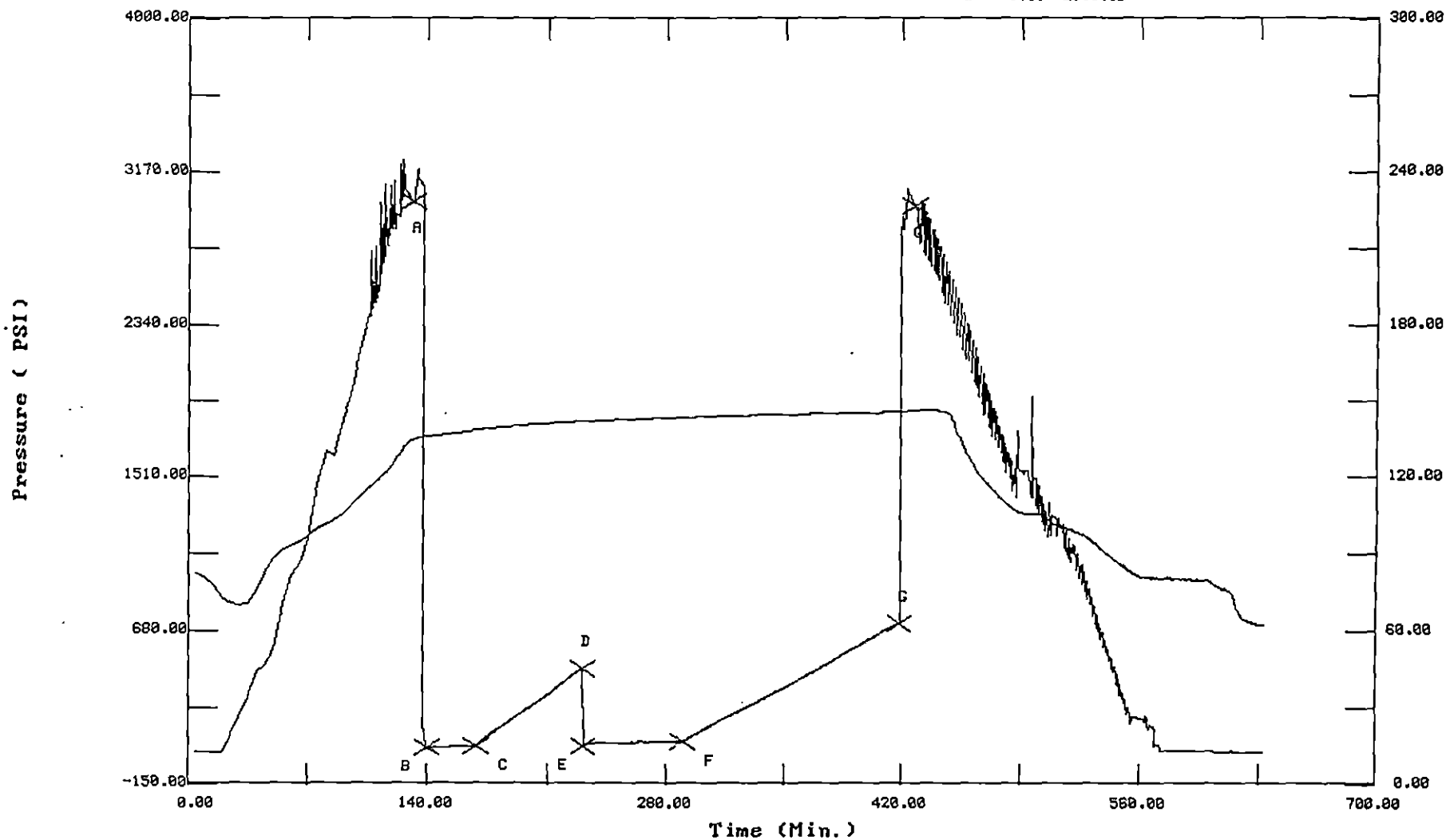
FINAL HYDROSTATIC PRESSURE: 2986.12

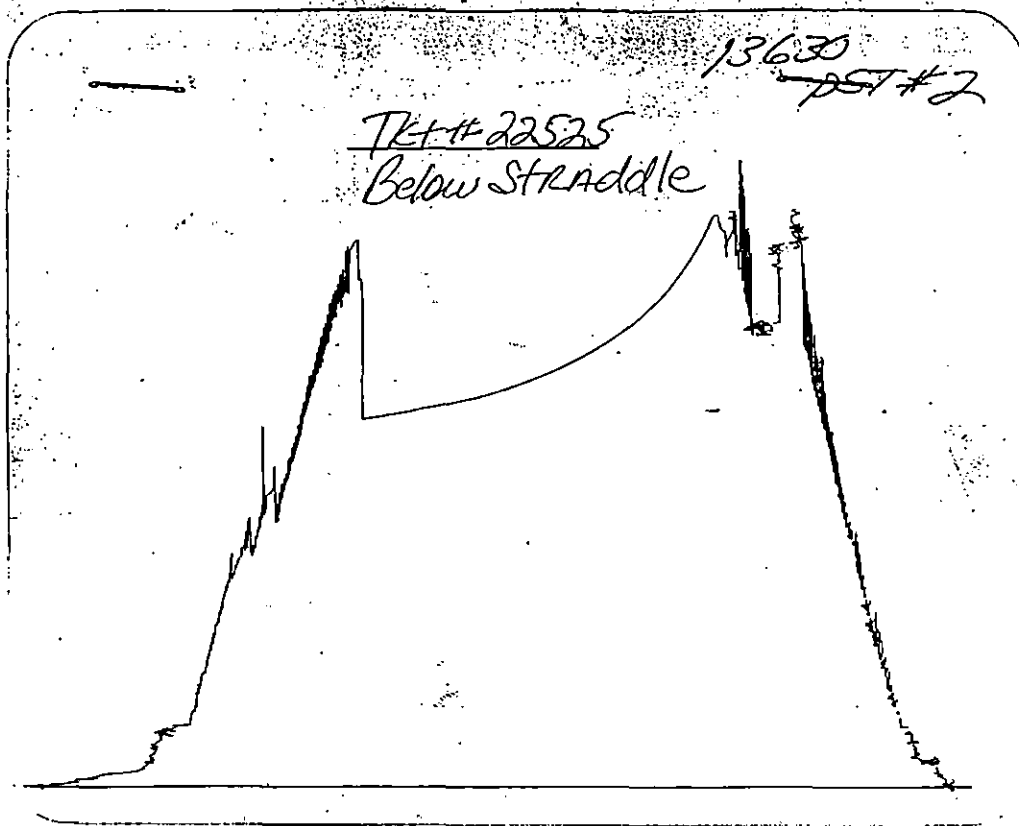
# TEST HISTORY

BEREXCO INC. D.S.T.#2 10-13-97 DELLA "1-14"

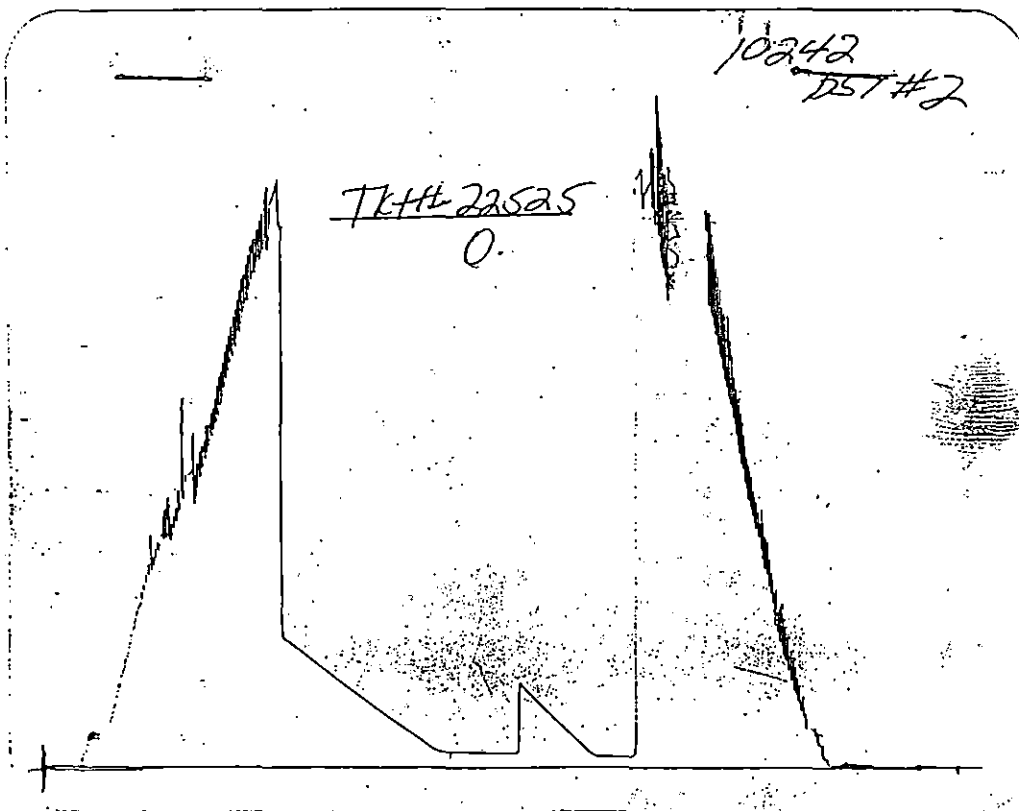
Flag Points

	t (Min.)	P (PSI)
A:	0.00	3011.16
B:	0.00	43.26
C:	29.00	53.34
D:	62.00	481.43
E:	0.00	56.68
F:	59.00	79.47
G:	128.50	722.62
Q:	0.00	2986.12





Inside Recorder



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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: BEREXCO INC. D.S.T.#2 10-13-97 DELLA "1-14"  
 DATE: 10/13/97 TIME: 17:48:28  
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	Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
***** Initial Hydro.	131.00	3011.2	0.0	134.60		
***** Start Flow 1	0.00	43.3	0.0	135.99		
	0.50	43.4	0.2	136.00		
	1.00	43.9	0.7	135.99		
	1.50	44.6	1.3	135.99		
	2.00	44.8	1.6	135.99		
	2.50	45.1	1.8	135.99		
	3.00	45.3	2.1	136.00		
	3.50	45.6	2.3	136.02		
	4.00	45.8	2.6	136.04		
	4.50	46.2	2.9	136.07		
	5.00	46.5	3.3	136.11		
	5.50	46.7	3.4	136.16		
	6.00	46.8	3.6	136.19		
	6.50	47.4	4.2	136.24		
	7.00	47.5	4.3	136.29		
	7.50	47.7	4.5	136.34		
	8.00	47.9	4.6	136.37		
	8.50	48.2	4.9	136.43		
	9.00	48.3	5.0	136.49		
	9.50	48.5	5.3	136.53		
	10.00	48.7	5.4	136.60		
	10.50	48.9	5.6	136.65		
	11.00	49.1	5.8	136.70		
	11.50	49.3	6.0	136.76		
	12.00	49.5	6.2	136.82		
	12.50	49.7	6.4	136.88		
	13.00	49.8	6.6	136.93		
	13.50	49.9	6.7	136.99		
	14.00	50.3	7.1	137.04		
	14.50	51.0	7.8	137.09		
	15.00	52.9	9.7	137.15		
	15.50	51.2	7.9	137.21		
	16.00	50.9	7.7	137.27		
	16.50	50.9	7.7	137.32		
	17.00	51.1	7.9	137.38		
	17.50	51.6	8.3	137.44		
	18.00	51.7	8.5	137.50		
	18.50	52.1	8.8	137.58		
	19.00	51.9	8.6	137.61		
	19.50	52.1	8.9	137.61		
	20.00	52.5	9.2	137.63		
	20.50	52.4	9.2	137.71		
	21.00	52.7	9.4	137.77		
	21.50	52.7	9.5	137.83		
	22.00	52.9	9.7	137.88		
	22.50	53.1	9.9	137.94		
	23.00	53.2	10	137.99		
	23.50	53.3	10.1	138.03		
	24.00	53.5	10.2	138.08		
	24.50	53.7	10.5	138.13		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: BEREXCO INC. D.S.T.#2 10-13-97 DELLA "1-14"

DATE: 10/13/97 TIME: 17:48:28

	Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	25.00	53.8	10.5	138.18		
	25.50	54.3	11.0	138.23		
	26.00	54.2	10.9	138.28		
	26.50	54.4	11.2	138.33		
	27.00	54.5	11.3	138.37		
	27.50	54.8	11.5	138.42		
	28.00	55.4	12.1	138.47		
	28.50	54.6	11.3	138.50		
***** End Flow 1	29.00	55.3	12.1	138.55		
***** Start Shutin 1	0.00	55.3	0.0	138.55	0.0000	0.003
	0.50	60.1	4.7	138.59	59.0000	0.004
	1.00	64.5	9.2	138.64	30.0000	0.004
	1.50	69.0	13.7	138.68	20.3333	0.005
	2.00	73.3	17.9	138.71	15.5000	0.005
	2.50	77.4	22.0	138.78	12.6000	0.006
	3.00	81.5	26.1	138.82	10.6667	0.007
	3.50	85.6	30.2	138.85	9.2857	0.007
	4.00	89.5	34.2	138.91	8.2500	0.008
	4.50	93.4	38.1	138.94	7.4444	0.009
	5.00	97.2	41.9	138.99	6.8000	0.009
	5.50	100.8	45.5	139.02	6.2727	0.010
	6.00	104.5	49.2	139.07	5.8333	0.011
	6.50	108.0	52.6	139.10	5.4615	0.012
	7.00	111.7	56.4	139.15	5.1429	0.012
	7.50	115.1	59.8	139.19	4.8667	0.013
	8.00	118.5	63.2	139.22	4.6250	0.014
	8.50	121.7	66.4	139.27	4.4118	0.015
	9.00	125.2	69.8	139.30	4.2222	0.016
	9.50	128.5	73.2	139.34	4.0526	0.017
	10.00	131.9	76.6	139.38	3.9000	0.017
	10.50	135.2	79.9	139.41	3.7619	0.018
	11.00	138.5	83.2	139.46	3.6364	0.019
	11.50	141.9	86.5	139.48	3.5217	0.020
	12.00	145.2	89.8	139.52	3.4167	0.021
	12.50	148.4	93.1	139.57	3.3200	0.022
	13.00	151.7	96.3	139.60	3.2308	0.023
	13.50	155.0	99.6	139.63	3.1481	0.024
	14.00	158.2	102.8	139.67	3.0714	0.025
	14.50	161.4	106.1	139.70	3.0000	0.026
	15.00	164.6	109.3	139.74	2.9333	0.027
	15.50	167.9	112.5	139.78	2.8710	0.028
	16.00	171.1	115.8	139.81	2.8125	0.029
	16.50	174.3	118.9	139.83	2.7576	0.030
	17.00	177.5	122.2	139.88	2.7059	0.032
	17.50	180.7	125.4	139.95	2.6571	0.033
	18.00	183.9	128.5	139.94	2.6111	0.034
	18.50	187.1	131.8	139.98	2.5676	0.035
	19.00	190.4	135.1	140.01	2.5263	0.036
	19.50	193.5	138.2	140.04	2.4872	0.037
	20.00	196.7	141.4	140.07	2.4500	0.039
	20.50	200.0	144.6	140.09	2.4146	0.040

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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: BEREXCO INC. D.S.T.#2 10-13-97 DELLA "1-14"  
 DATE: 10/13/97 TIME: 17:48:28  
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Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
21.00	203.2	147.8	140.12	2.3810	0.041
21.50	206.4	151.1	140.16	2.3488	0.043
22.00	209.7	154.3	140.19	2.3182	0.044
22.50	213.0	157.6	140.21	2.2889	0.045
23.00	216.1	160.8	140.25	2.2609	0.047
23.50	219.4	164.0	140.29	2.2340	0.048
24.00	222.6	167.3	140.32	2.2083	0.050
24.50	225.8	170.5	140.35	2.1837	0.051
25.00	229.1	173.7	140.39	2.1600	0.052
25.50	232.3	177.0	140.42	2.1373	0.054
26.00	235.6	180.3	140.44	2.1154	0.056
26.50	238.9	183.6	140.48	2.0943	0.057
27.00	242.0	186.7	140.50	2.0741	0.059
27.50	245.2	189.9	140.54	2.0545	0.060
28.00	248.7	193.4	140.56	2.0357	0.062
28.50	252.0	196.7	140.59	2.0175	0.064
29.00	255.2	199.9	140.61	2.0000	0.065
29.50	258.5	203.1	140.64	1.9831	0.067
30.00	261.7	206.4	140.66	1.9667	0.068
30.50	264.9	209.6	140.70	1.9508	0.070
31.00	268.2	212.8	140.72	1.9355	0.072
31.50	271.4	216.1	140.74	1.9206	0.074
32.00	274.6	219.3	140.76	1.9062	0.075
32.50	277.9	222.6	140.79	1.8923	0.077
33.00	281.2	225.9	140.82	1.8788	0.079
33.50	284.4	229.1	140.85	1.8657	0.081
34.00	287.8	232.5	140.87	1.8529	0.083
34.50	291.1	235.7	140.90	1.8406	0.085
35.00	294.4	239.0	140.93	1.8286	0.087
35.50	297.7	242.3	140.95	1.8169	0.089
36.00	301.0	245.6	140.97	1.8056	0.091
36.50	304.3	249.0	141.01	1.7945	0.093
37.00	307.6	252.3	141.02	1.7838	0.095
37.50	310.9	255.6	141.05	1.7733	0.097
38.00	314.2	258.9	141.07	1.7632	0.099
38.50	317.6	262.3	141.09	1.7532	0.101
39.00	320.9	265.6	141.12	1.7436	0.103
39.50	324.2	268.9	141.14	1.7342	0.105
40.00	327.7	272.4	141.16	1.7250	0.107
40.50	331.1	275.7	141.19	1.7160	0.110
41.00	334.4	279.1	141.21	1.7073	0.112
41.50	337.8	282.4	141.23	1.6988	0.114
42.00	341.2	285.8	141.26	1.6905	0.116
42.50	344.6	289.3	141.28	1.6824	0.119
43.00	348.0	292.6	141.29	1.6744	0.121
43.50	351.4	296.1	141.31	1.6667	0.123
44.00	354.7	299.4	141.34	1.6591	0.126
44.50	358.2	302.8	141.37	1.6517	0.128
45.00	361.6	306.3	141.38	1.6444	0.131
45.50	365.1	309.7	141.40	1.6374	0.133
46.00	368.5	313.2	141.42	1.6304	0.136

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: BEREXCO INC. D.S.T.#2 10-13-97 DELLA "1-14"  
 DATE: 10/13/97 TIME: 17:48:28

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
46.50	372.0	316.6	141.44	1.6237	0.138
47.00	375.5	320.1	141.47	1.6170	0.141
47.50	378.9	323.6	141.49	1.6105	0.144
48.00	382.4	327.1	141.51	1.6042	0.146
48.50	385.9	330.6	141.53	1.5979	0.149
49.00	389.4	334.0	141.54	1.5918	0.152
49.50	392.9	337.5	141.57	1.5859	0.154
50.00	396.4	341.1	141.59	1.5800	0.157
50.50	399.9	344.6	141.61	1.5743	0.160
51.00	403.5	348.1	141.63	1.5686	0.163
51.50	407.0	351.7	141.65	1.5631	0.166
52.00	410.6	355.2	141.67	1.5577	0.169
52.50	414.1	358.7	141.69	1.5524	0.171
53.00	417.7	362.3	141.71	1.5472	0.174
53.50	421.3	365.9	141.73	1.5421	0.177
54.00	424.8	369.5	141.75	1.5370	0.180
54.50	428.4	373.0	141.76	1.5321	0.184
55.00	432.0	376.7	141.79	1.5273	0.187
55.50	435.6	380.2	141.80	1.5225	0.190
56.00	439.2	383.9	141.82	1.5179	0.193
56.50	442.8	387.5	141.84	1.5133	0.196
57.00	446.4	391.1	141.87	1.5088	0.199
57.50	450.0	394.7	141.88	1.5043	0.202
58.00	453.6	398.3	141.91	1.5000	0.206
58.50	457.3	401.9	141.93	1.4957	0.209
59.00	460.9	405.6	141.93	1.4915	0.212
59.50	464.6	409.3	141.96	1.4874	0.216
60.00	468.3	412.9	141.98	1.4833	0.219
60.50	472.0	416.6	142.00	1.4793	0.223
61.00	475.6	420.3	142.02	1.4754	0.226
61.50	479.3	423.9	142.03	1.4715	0.230
62.00	481.4	426.1	142.05	1.4677	0.232
***** End Shut-in 1					
***** Start Flow 2					
0.00	56.7	0.0	142.07		
0.50	66.5	9.8	142.08		
1.00	66.2	9.5	142.09		
1.50	65.7	9.0	142.08		
2.00	66.1	9.5	142.11		
2.50	66.8	10.1	142.10		
3.00	67.2	10.5	142.12		
3.50	67.3	10.7	142.11		
4.00	67.5	10.8	142.12		
4.50	67.4	10.8	142.13		
5.00	67.5	10.8	142.13		
5.50	67.7	11.1	142.14		
6.00	68.0	11.3	142.16		
6.50	68.3	11.7	142.16		
7.00	68.7	12.0	142.17		
7.50	68.5	11.9	142.18		
8.00	68.7	12.0	142.19		
8.50	68.6	11.9	142.21		
9.00	68.6	12.0	142.21		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: BEREXCO INC. D.S.T.#2 10-13-97 DELLA "1-14"

DATE: 10/13/97 TIME: 17:48:28

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
9.50	69.1	12.4	142.22		
10.00	69.8	13.2	142.23		
10.50	69.7	13.0	142.25		
11.00	69.4	12.8	142.27		
11.50	69.8	13.2	142.29		
12.00	69.8	13.2	142.29		
12.50	70.0	13.3	142.31		
13.00	70.4	13.7	142.32		
13.50	70.2	13.5	142.33		
14.00	70.4	13.7	142.34		
14.50	71.5	14.9	142.35		
15.00	70.9	14.2	142.37		
15.50	70.7	14.1	142.38		
16.00	71.5	14.9	142.40		
16.50	71.1	14.5	142.41		
17.00	71.0	14.3	142.43		
17.50	71.3	14.6	142.44		
18.00	72.1	15.4	142.46		
18.50	71.7	15.0	142.47		
19.00	71.4	14.7	142.49		
19.50	72.1	15.4	142.51		
20.00	72.4	15.7	142.53		
20.50	72.1	15.4	142.53		
21.00	72.9	16.2	142.54		
21.50	72.0	15.4	142.55		
22.00	72.3	15.6	142.57		
22.50	73.1	16.4	142.59		
23.00	72.5	15.8	142.61		
23.50	73.2	16.5	142.62		
24.00	72.6	16.0	142.64		
24.50	73.3	16.6	142.65		
25.00	72.9	16.2	142.66		
25.50	73.1	16.4	142.67		
26.00	73.5	16.8	142.69		
26.50	73.7	17.0	142.70		
27.00	73.8	17.1	142.72		
27.50	74.0	17.3	142.73		
28.00	74.3	17.6	142.75		
28.50	75.8	19.1	142.76		
29.00	74.7	18.0	142.77		
29.50	73.8	17.1	142.79		
30.00	73.6	17.0	142.81		
30.50	73.1	16.4	142.81		
31.00	74.2	17.5	142.84		
31.50	74.9	18.2	142.85		
32.00	75.3	18.7	142.86		
32.50	75.0	18.4	142.87		
33.00	75.5	18.8	142.88		
33.50	76.2	19.5	142.90		
34.00	76.3	19.6	142.91		
34.50	75.4	18.7	142.92		



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: BEREXCO INC. D.S.T.#2 10-13-97 DELLA "1-14"  
 DATE: 10/13/97 TIME: 17:48:28

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
35.00	75.3	18.7	142.93		
35.50	75.0	18.3	142.95		
36.00	74.8	18.1	142.96		
36.50	74.7	18.0	142.97		
37.00	75.4	18.7	142.97		
37.50	75.0	18.3	142.99		
38.00	75.0	18.3	143.00		
38.50	75.1	18.4	143.01		
39.00	75.1	18.4	143.03		
39.50	76.1	19.4	143.05		
40.00	76.6	19.9	143.05		
40.50	76.1	19.4	143.07		
41.00	76.3	19.6	143.07		
41.50	76.2	19.5	143.09		
42.00	76.7	20.0	143.10		
42.50	76.5	19.8	143.11		
43.00	76.7	20.1	143.12		
43.50	76.8	20.1	143.13		
44.00	76.4	19.7	143.15		
44.50	76.9	20.2	143.16		
45.00	76.5	19.8	143.18		
45.50	77.3	20.7	143.18		
46.00	77.7	21.1	143.19		
46.50	78.2	21.6	143.21		
47.00	77.4	20.7	143.23		
47.50	76.8	20.1	143.24		
48.00	76.7	20.1	143.25		
48.50	77.5	20.8	143.27		
49.00	77.8	21.1	143.26		
49.50	77.5	20.8	143.28		
50.00	78.0	21.4	143.29		
50.50	77.9	21.2	143.30		
51.00	77.6	20.9	143.32		
51.50	78.3	21.6	143.33		
52.00	79.0	22.4	143.34		
52.50	79.2	22.6	143.34		
53.00	79.1	22.4	143.36		
53.50	78.6	21.9	143.37		
54.00	78.4	21.8	143.38		
54.50	78.4	21.7	143.40		
55.00	78.5	21.9	143.40		
55.50	79.1	22.4	143.42		
56.00	78.5	21.8	143.42		
56.50	78.9	22.2	143.43		
57.00	79.0	22.3	143.44		
57.50	79.0	22.4	143.45		
58.00	79.2	22.6	143.47		
58.50	79.5	22.8	143.48		
59.00	79.5	22.8	143.48		
***** End Flow 2					
***** Start Shutin 2	0.00	79.5	0.0	143.48	0.0000 0.006
	0.50	80.1	0.6	143.50	177.0000 0.006

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: BEREXCO INC. D.S.T.#2 10-13-97 DELLA "1-14"

DATE: 10/13/97 TIME: 17:48:28

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
1.00	81.6	2.1	143.51	89.0000	0.007
1.50	85.0	5.5	143.52	59.6667	0.007
2.00	88.2	8.7	143.54	45.0000	0.008
2.50	90.9	11.5	143.54	36.2000	0.008
3.00	93.9	14.4	143.54	30.3333	0.009
3.50	96.8	17.3	143.57	26.1429	0.009
4.00	99.9	20.4	143.57	23.0000	0.01
4.50	102.5	23.1	143.58	20.5556	0.011
5.00	105.7	26.3	143.59	18.6000	0.011
5.50	108.4	28.9	143.61	17.0000	0.012
6.00	111.2	31.8	143.61	15.6667	0.012
6.50	114.1	34.6	143.63	14.5385	0.013
7.00	116.8	37.4	143.64	13.5714	0.014
7.50	119.7	40.2	143.65	12.7333	0.014
8.00	122.1	42.6	143.65	12.0000	0.015
8.50	124.7	45.2	143.67	11.3529	0.016
9.00	127.5	48.0	143.68	10.7778	0.016
9.50	130.0	50.6	143.69	10.2632	0.017
10.00	132.8	53.4	143.70	9.8000	0.018
10.50	135.1	55.6	143.71	9.3810	0.018
11.00	137.9	58.4	143.72	9.0000	0.019
11.50	140.5	61.1	143.74	8.6522	0.020
12.00	143.0	63.6	143.76	8.3333	0.020
12.50	145.8	66.3	143.78	8.0400	0.021
13.00	148.3	68.9	143.78	7.7692	0.022
13.50	150.7	71.2	143.80	7.5185	0.023
14.00	153.2	73.8	143.81	7.2857	0.023
14.50	156.1	76.7	143.81	7.0690	0.024
15.00	158.3	78.9	143.84	6.8667	0.025
15.50	161.0	81.5	143.85	6.6774	0.026
16.00	163.4	83.9	143.86	6.5000	0.027
16.50	165.9	86.4	143.87	6.3333	0.028
17.00	168.2	88.8	143.87	6.1765	0.028
17.50	170.9	91.4	143.87	6.0286	0.029
18.00	173.3	93.8	143.87	5.8889	0.030
18.50	175.7	96.2	143.86	5.7568	0.031
19.00	178.1	98.6	143.87	5.6316	0.032
19.50	180.6	101.2	143.87	5.5128	0.033
20.00	183.1	103.7	143.87	5.4000	0.034
20.50	185.6	106.1	143.87	5.2927	0.034
21.00	187.8	108.3	143.88	5.1905	0.035
21.50	190.1	110.7	143.90	5.0930	0.036
22.00	192.5	113.1	143.90	5.0000	0.037
22.50	194.9	115.4	143.91	4.9111	0.038
23.00	197.1	117.7	143.93	4.8261	0.039
23.50	199.6	120.1	143.94	4.7447	0.040
24.00	201.8	122.3	143.96	4.6667	0.041
24.50	204.2	124.7	143.97	4.5918	0.042
25.00	206.5	127.1	143.97	4.5200	0.043
25.50	208.8	129.3	143.99	4.4510	0.044
26.00	211.2	131.8	143.99	4.3846	0.045

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: BEREXCO INC. D.S.T.#2 10-13-97 DELLA "1-14"  
 DATE: 10/13/97 TIME: 17:48:28

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
26.50	213.6	134.1	144.01	4.3208	0.046
27.00	215.9	136.5	144.01	4.2593	0.047
27.50	218.2	138.7	144.03	4.2000	0.048
28.00	220.4	140.9	144.03	4.1429	0.049
28.50	222.6	143.2	144.04	4.0877	0.050
29.00	224.7	145.2	144.05	4.0345	0.050
29.50	226.9	147.4	144.07	3.9831	0.051
30.00	229.3	149.8	144.08	3.9333	0.053
30.50	231.5	152.0	144.09	3.8852	0.054
31.00	233.9	154.4	144.10	3.8387	0.055
31.50	236.2	156.7	144.12	3.7937	0.056
32.00	238.4	159.0	144.12	3.7500	0.057
32.50	240.7	161.3	144.13	3.7077	0.058
33.00	243.2	163.8	144.14	3.6667	0.059
33.50	245.4	165.9	144.15	3.6269	0.060
34.00	247.7	168.2	144.16	3.5882	0.061
34.50	250.2	170.7	144.17	3.5507	0.063
35.00	252.4	172.9	144.18	3.5143	0.064
35.50	254.8	175.3	144.19	3.4789	0.065
36.00	257.1	177.6	144.21	3.4444	0.066
36.50	259.5	180.0	144.21	3.4110	0.067
37.00	261.7	182.3	144.21	3.3784	0.069
37.50	264.1	184.6	144.23	3.3467	0.070
38.00	266.4	186.9	144.24	3.3158	0.071
38.50	268.8	189.4	144.25	3.2857	0.072
39.00	271.0	191.6	144.25	3.2564	0.073
39.50	273.4	194.0	144.26	3.2278	0.075
40.00	275.9	196.4	144.27	3.2000	0.076
40.50	278.1	198.6	144.28	3.1728	0.077
41.00	280.4	201.0	144.28	3.1463	0.079
41.50	283.0	203.6	144.29	3.1205	0.080
42.00	285.2	205.8	144.30	3.0952	0.081
42.50	287.7	208.2	144.31	3.0706	0.083
43.00	289.9	210.4	144.32	3.0465	0.084
43.50	292.3	212.8	144.33	3.0230	0.085
44.00	294.7	215.3	144.34	3.0000	0.087
44.50	297.1	217.6	144.35	2.9775	0.088
45.00	299.4	219.9	144.36	2.9556	0.090
45.50	301.8	222.3	144.36	2.9341	0.091
46.00	304.2	224.8	144.39	2.9130	0.093
46.50	306.6	227.1	144.39	2.8925	0.094
47.00	308.8	229.4	144.40	2.8723	0.095
47.50	311.2	231.7	144.40	2.8526	0.097
48.00	313.6	234.1	144.42	2.8333	0.098
48.50	315.9	236.5	144.43	2.8144	0.10
49.00	318.3	238.9	144.43	2.7959	0.101
49.50	320.7	241.2	144.44	2.7778	0.103
50.00	323.1	243.6	144.45	2.7600	0.104
50.50	325.5	246.1	144.46	2.7426	0.106
51.00	328.0	248.5	144.47	2.7255	0.108
51.50	330.4	250.9	144.48	2.7087	0.109

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: BEREXCO INC. D.S.T.#2 10-13-97 DELLA "1-14"

DATE: 10/13/97 TIME: 17:48:28

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
52.00	332.8	253.3	144.49	2.6923	0.111
52.50	335.2	255.7	144.49	2.6762	0.112
53.00	337.7	258.2	144.50	2.6604	0.114
53.50	340.0	260.6	144.51	2.6449	0.116
54.00	342.6	263.2	144.52	2.6296	0.117
54.50	344.9	265.5	144.52	2.6147	0.119
55.00	347.6	268.1	144.54	2.6000	0.121
55.50	350.0	270.6	144.55	2.5856	0.123
56.00	352.5	273.0	144.56	2.5714	0.124
56.50	354.9	275.5	144.56	2.5575	0.126
57.00	357.4	277.9	144.57	2.5439	0.128
57.50	359.7	280.3	144.58	2.5304	0.129
58.00	362.2	282.7	144.59	2.5172	0.131
58.50	364.7	285.2	144.59	2.5043	0.133
59.00	367.1	287.7	144.61	2.4915	0.135
59.50	369.6	290.1	144.62	2.4790	0.137
60.00	372.0	292.5	144.63	2.4667	0.138
60.50	374.5	295.1	144.64	2.4545	0.140
61.00	377.0	297.5	144.64	2.4426	0.142
61.50	379.5	300.0	144.66	2.4309	0.144
62.00	381.9	302.4	144.66	2.4194	0.146
62.50	384.3	304.9	144.66	2.4080	0.148
63.00	386.8	307.3	144.67	2.3968	0.150
63.50	389.2	309.8	144.67	2.3858	0.152
64.00	391.7	312.3	144.69	2.3750	0.153
64.50	394.2	314.8	144.69	2.3643	0.155
65.00	396.7	317.3	144.70	2.3538	0.157
65.50	399.2	319.7	144.71	2.3435	0.159
66.00	401.7	322.2	144.72	2.3333	0.161
66.50	404.2	324.8	144.72	2.3233	0.163
67.00	406.8	327.3	144.74	2.3134	0.165
67.50	409.2	329.7	144.74	2.3037	0.167
68.00	411.8	332.3	144.75	2.2941	0.170
68.50	414.3	334.8	144.76	2.2847	0.172
69.00	416.8	337.3	144.76	2.2754	0.174
69.50	419.3	339.8	144.77	2.2662	0.176
70.00	421.8	342.3	144.79	2.2571	0.178
70.50	424.3	344.8	144.78	2.2482	0.180
71.00	426.8	347.4	144.80	2.2394	0.182
71.50	429.3	349.9	144.80	2.2308	0.184
72.00	431.9	352.4	144.81	2.2222	0.187
72.50	434.4	355.0	144.82	2.2138	0.189
73.00	436.9	357.5	144.83	2.2055	0.191
73.50	439.5	360.0	144.84	2.1973	0.193
74.00	442.0	362.6	144.84	2.1892	0.195
74.50	444.6	365.1	144.86	2.1812	0.198
75.00	447.1	367.6	144.85	2.1733	0.200
75.50	449.7	370.2	144.87	2.1656	0.202
76.00	452.2	372.7	144.88	2.1579	0.204
76.50	454.8	375.3	144.88	2.1503	0.207
77.00	457.4	377.9	144.88	2.1429	0.209

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: BEREXCO INC. D.S.T.#2 10-13-97 DELLA "1-14"

DATE: 10/13/97 TIME: 17:48:28

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
77.50	459.9	380.5	144.89	2.1355	0.212
78.00	462.4	383.0	144.90	2.1282	0.214
78.50	465.0	385.6	144.92	2.1210	0.216
79.00	467.6	388.1	144.92	2.1139	0.219
79.50	470.2	390.7	144.93	2.1069	0.221
80.00	472.8	393.3	144.94	2.1000	0.224
80.50	475.3	395.9	144.95	2.0932	0.226
81.00	477.9	398.4	144.95	2.0864	0.228
81.50	480.5	401.0	144.96	2.0798	0.231
82.00	483.1	403.6	144.97	2.0732	0.233
82.50	485.8	406.3	144.98	2.0667	0.236
83.00	488.4	408.9	144.99	2.0602	0.238
83.50	491.0	411.5	145.00	2.0539	0.241
84.00	493.5	414.0	145.00	2.0476	0.244
84.50	496.1	416.6	145.00	2.0414	0.246
85.00	498.8	419.3	145.01	2.0353	0.249
85.50	501.4	421.9	145.02	2.0292	0.251
86.00	503.9	424.5	145.03	2.0233	0.254
86.50	506.6	427.1	145.03	2.0173	0.257
87.00	509.2	429.7	145.04	2.0115	0.259
87.50	511.8	432.3	145.05	2.0057	0.262
88.00	514.4	435.0	145.06	2.0000	0.265
88.50	517.1	437.6	145.06	1.9944	0.267
89.00	519.6	440.2	145.07	1.9888	0.270
89.50	522.3	442.8	145.07	1.9832	0.273
90.00	524.8	445.4	145.09	1.9778	0.275
90.50	527.5	448.0	145.10	1.9724	0.278
91.00	530.1	450.6	145.10	1.9670	0.281
91.50	532.7	453.2	145.12	1.9617	0.284
92.00	535.3	455.9	145.12	1.9565	0.287
92.50	537.9	458.5	145.13	1.9514	0.289
93.00	540.5	461.0	145.14	1.9462	0.292
93.50	543.1	463.6	145.14	1.9412	0.295
94.00	545.7	466.2	145.16	1.9362	0.298
94.50	548.3	468.8	145.17	1.9312	0.301
95.00	550.9	471.4	145.16	1.9263	0.304
95.50	553.5	474.0	145.17	1.9215	0.306
96.00	556.2	476.7	145.17	1.9167	0.309
96.50	558.8	479.3	145.18	1.9119	0.312
97.00	561.4	481.9	145.19	1.9072	0.315
97.50	564.0	484.5	145.20	1.9026	0.318
98.00	566.6	487.1	145.20	1.8980	0.321
98.50	569.2	489.7	145.21	1.8934	0.324
99.00	571.8	492.3	145.22	1.8889	0.327
99.50	574.4	495.0	145.22	1.8844	0.330
100.00	577.1	497.6	145.23	1.8800	0.333
100.50	579.7	500.3	145.24	1.8756	0.336
101.00	582.4	502.9	145.24	1.8713	0.339
101.50	585.0	505.5	145.25	1.8670	0.342
102.00	587.6	508.2	145.26	1.8627	0.345
102.50	590.3	510.8	145.26	1.8585	0.348

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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING  
 TEST: BEREXCO INC. D.S.T.#2 10-13-97 DELLA "1-14"  
 DATE: 10/13/97 TIME: 17:48:28  
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Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
103.00	592.9	513.4	145.27	1.8544	0.352
103.50	595.5	516.1	145.27	1.8502	0.355
104.00	598.2	518.7	145.28	1.8462	0.358
104.50	600.9	521.4	145.29	1.8421	0.361
105.00	603.5	524.0	145.30	1.8381	0.364
105.50	606.1	526.6	145.30	1.8341	0.367
106.00	608.8	529.3	145.31	1.8302	0.371
106.50	611.4	531.9	145.31	1.8263	0.374
107.00	614.0	534.6	145.32	1.8224	0.377
107.50	616.7	537.2	145.32	1.8186	0.380
108.00	619.3	539.8	145.33	1.8148	0.384
108.50	621.9	542.5	145.32	1.8111	0.387
109.00	624.6	545.1	145.34	1.8073	0.390
109.50	627.2	547.7	145.35	1.8037	0.393
110.00	629.8	550.4	145.35	1.8000	0.397
110.50	632.5	553.0	145.36	1.7964	0.400
111.00	635.1	555.6	145.37	1.7928	0.403
111.50	637.7	558.2	145.37	1.7892	0.407
112.00	640.3	560.8	145.39	1.7857	0.410
112.50	642.9	563.5	145.39	1.7822	0.413
113.00	645.5	566.1	145.39	1.7788	0.417
113.50	648.1	568.7	145.40	1.7753	0.420
114.00	650.8	571.3	145.41	1.7719	0.424
114.50	653.4	574.0	145.42	1.7686	0.427
115.00	656.1	576.6	145.42	1.7652	0.430
115.50	658.7	579.2	145.42	1.7619	0.434
116.00	661.3	581.8	145.43	1.7586	0.437
116.50	663.9	584.5	145.44	1.7554	0.441
117.00	666.5	587.1	145.44	1.7521	0.444
117.50	669.2	589.7	145.45	1.7489	0.448
118.00	671.8	592.3	145.45	1.7458	0.451
118.50	674.4	594.9	145.46	1.7426	0.455
119.00	677.0	597.5	145.47	1.7395	0.458
119.50	679.6	600.2	145.48	1.7364	0.462
120.00	682.2	602.7	145.48	1.7333	0.465
120.50	684.8	605.3	145.48	1.7303	0.469
121.00	687.4	607.9	145.49	1.7273	0.473
121.50	690.0	610.5	145.49	1.7243	0.476
122.00	692.6	613.1	145.50	1.7213	0.480
122.50	695.1	615.7	145.51	1.7184	0.483
123.00	697.7	618.3	145.52	1.7154	0.487
123.50	700.3	620.8	145.53	1.7126	0.490
124.00	702.9	623.4	145.52	1.7097	0.494
124.50	705.4	626.0	145.53	1.7068	0.498
125.00	706.2	626.7	145.54	1.7040	0.499
125.50	708.3	628.9	145.54	1.7012	0.502
126.00	710.2	630.8	145.55	1.6984	0.504
126.50	712.8	633.3	145.55	1.6957	0.508
127.00	715.4	636.0	145.56	1.6929	0.512
127.50	718.0	638.5	145.57	1.6902	0.516
128.00	720.6	641.1	145.57	1.6875	0.519

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ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: BEREXCO INC. D.S.T.#2 10-13-97 DELLA "1-14"

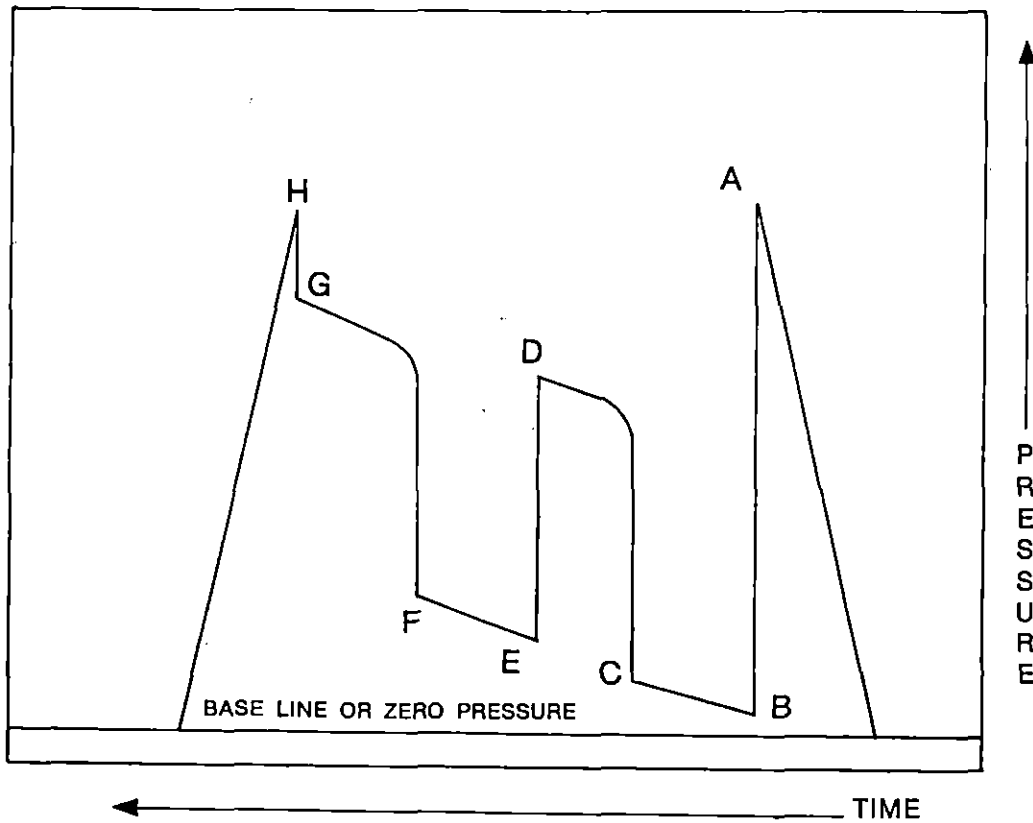
DATE: 10/13/97 TIME: 17:48:28  
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	Time	Pressure	delta P	Temp.	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
		PSI	PSI	DEG F		
***** End Shut-in 2	128.50	722.6	643.2	145.59	1.6848	0.522
***** Final Hydro.	427.00	2986.1	0.0	146.37		

### COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

### AK-1 Recorders



A - Initial Hydrostatic

B - First Initial Flow

C - First Final Flow

D - Initial Shut-In

E - Second Initial Flow

F - Second Final Flow

G - Final Shut-In

H - Final Hydrostatic