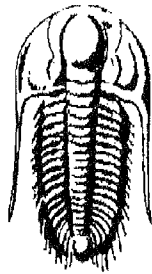


29-21s-12w



**TRILOBITE
TESTING, INC.**

RECEIVED
KANSAS CORPORATION COMMISSION

NOV 20 2003

CONSERVATION DIVISION
WICHITA, KS

DRILL STEM TEST REPORT

Prepared For: **Berenenergy**

3333 S Wadsworth Blvd
Lakewood Co 80227

ORIGINAL

ATTN: Dave Braden

API #15-185-23192-00-00
29-21s-12w Stafford

Fisher #7 'A'

Start Date: 2003.07.25 @ 22:10:33

End Date: 2003.07.26 @ 05:46:42

Job Ticket #: 17091

DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Berenenergy

Fisher #7

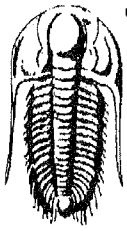
29-21s-12w Stafford

DST # 1

Lansing A-F

2003.07.25

ORIGINAL


TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Berenenergy

3333 S Wadsworth Blvd
Lakewood Co 80227

ATTN: Dave Braden

Fisher #7

29-21s-12w Stafford

Job Ticket: 17091

DST#: 1

Test Start: 2003.07.25 @ 22:10:33

GENERAL INFORMATION:

Formation: **Lansing A-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:16:58

Time Test Ended: 05:46:42

Test Type: Conventional Bottom Hole

Tester: Paul/Nathan

Unit No: 24

Interval: **3280.00 ft (KB) To 3346.00 ft (KB) (TVD)**

Total Depth: 3346.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1871.00 ft (KB)

1863.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: **3310** Inside

Press@RunDepth: 46.36 psig @ 3319.00 ft (KB)

Start Date: 2003.07.25

End Date:

2003.07.26

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Start Time: 22:10:33

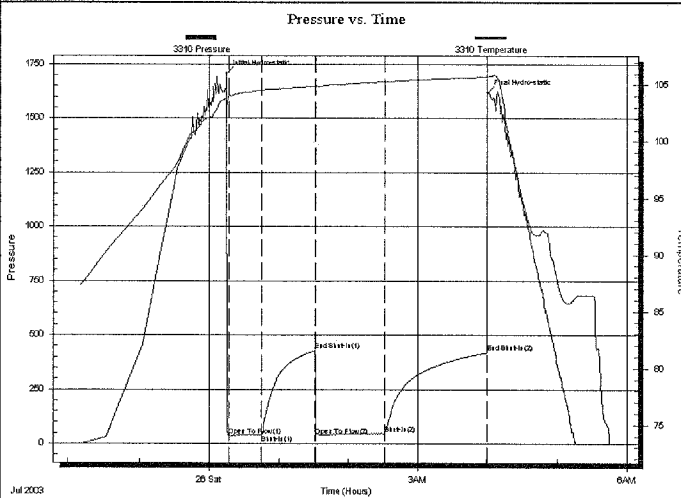
End Time:

05:46:42

Time On Btm: 2003.07.26 @ 00:14:28

Time Off Btm: 2003.07.26 @ 04:00:43

TEST COMMENT: IF- 1" blow building to bottom of bucket in 90 seconds
 IS- no blow
 FF- strong bottom of bucket as soon as tool opened: gas to surface in 40min tstrn
 FSI- no blow



PRESSURE SUMMARY

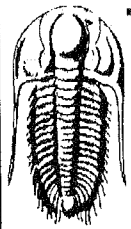
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1705.20	103.80	Initial Hydro-static
3	35.97	104.08	Open To Flow (1)
31	38.67	104.55	Shut-In (1)
77	429.18	104.87	End Shut-In (1)
77	36.09	104.96	Open To Flow (2)
137	46.36	105.29	Shut-In (2)
226	419.01	105.70	End Shut-In (2)
227	1617.80	105.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	gassy mud	0.56

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Berenenergy

Fisher #7

 3333 S Wadsworth Blvd
 Lakewood Co 80227

29-21s-12w Stafford

Job Ticket: 17091

DST#: 1

ATTN: Dave Braden

Test Start: 2003.07.25 @ 22:10:33

Tool Information

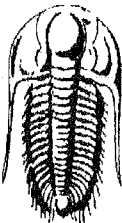
Drill Pipe:	Length: 3281.00 ft	Diameter: 3.80 inches	Volume: 46.02 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 54000.00 lb
		Total Volume: 46.02 bbl		Tool Chased ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3280.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	66.00 ft			
Tool Length:	88.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3259.00	
Shut In Tool	5.00			3264.00	
Hydraulic tool	5.00			3269.00	
Safety Joint	2.00			3271.00	
Packer	4.00			3275.00	22.00 Bottom Of Top Packer
Packer	5.00			3280.00	
Stubb	1.00			3281.00	
Perforations	5.00			3286.00	
Change Over Sub	1.00			3287.00	
Blank Spacing	31.00			3318.00	
Change Over Sub	1.00			3319.00	
Recorder	0.00	3310	Inside	3319.00	
Perforations	25.00			3344.00	
Recorder	0.00	10242	Outside	3344.00	
Bullnose	2.00			3346.00	66.00 Bottom Packers & Anchor

Total Tool Length: 88.00

ORIGINAL

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY																												
	Berenenergy 3333 S Wadsworth Blvd Lakewood Co 80227 ATTN: Dave Braden	Fisher #7 29-21s-12w Stafford Job Ticket: 17091 DST#: 1 Test Start: 2003.07.25 @ 22:10:33																													
Mud and Cushion Information																															
<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Mud Type: Gel Chem</td> <td style="width: 33%;">Cushion Type:</td> <td style="width: 15%;">Oil API:</td> <td style="width: 19%;">deg API</td> </tr> <tr> <td>Mud Weight: 9.00 lb/gal</td> <td>Cushion Length:</td> <td>Water Salinity:</td> <td>ppm</td> </tr> <tr> <td>Viscosity: 45.00 sec/qt</td> <td>Cushion Volume:</td> <td></td> <td></td> </tr> <tr> <td>Water Loss: 7.18 in³</td> <td>Gas Cushion Type:</td> <td></td> <td></td> </tr> <tr> <td>Resistivity: ohm.m</td> <td>Gas Cushion Pressure:</td> <td></td> <td></td> </tr> <tr> <td>Salinity: ppm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Filter Cake: inches</td> <td></td> <td></td> <td></td> </tr> </table>				Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API	Mud Weight: 9.00 lb/gal	Cushion Length:	Water Salinity:	ppm	Viscosity: 45.00 sec/qt	Cushion Volume:			Water Loss: 7.18 in ³	Gas Cushion Type:			Resistivity: ohm.m	Gas Cushion Pressure:			Salinity: ppm				Filter Cake: inches			
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Filter Cake: inches																															
Recovery Information																															
Recovery Table <table border="1" style="margin: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 15%;">Length ft</th> <th style="width: 55%;">Description</th> <th style="width: 30%;">Volume bbl</th> </tr> </thead> <tbody> <tr> <td>40.00</td> <td>gassy mud</td> <td>0.561</td> </tr> </tbody> </table> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Total Length: 40.00 ft</td> <td style="width: 33%;">Total Volume: 0.561 bbl</td> <td style="width: 34%;"></td> </tr> <tr> <td>Num Fluid Samples: 0</td> <td>Num Gas Bombs: 0</td> <td>Serial #:</td> </tr> <tr> <td>Laboratory Name:</td> <td>Laboratory Location:</td> <td></td> </tr> <tr> <td colspan="3">Recovery Comments:</td> </tr> </table>				Length ft	Description	Volume bbl	40.00	gassy mud	0.561	Total Length: 40.00 ft	Total Volume: 0.561 bbl		Num Fluid Samples: 0	Num Gas Bombs: 0	Serial #:	Laboratory Name:	Laboratory Location:		Recovery Comments:												
Length ft	Description	Volume bbl																													
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Total Length: 40.00 ft	Total Volume: 0.561 bbl																														
Num Fluid Samples: 0	Num Gas Bombs: 0	Serial #:																													
Laboratory Name:	Laboratory Location:																														
Recovery Comments:																															

Serial #: 3310

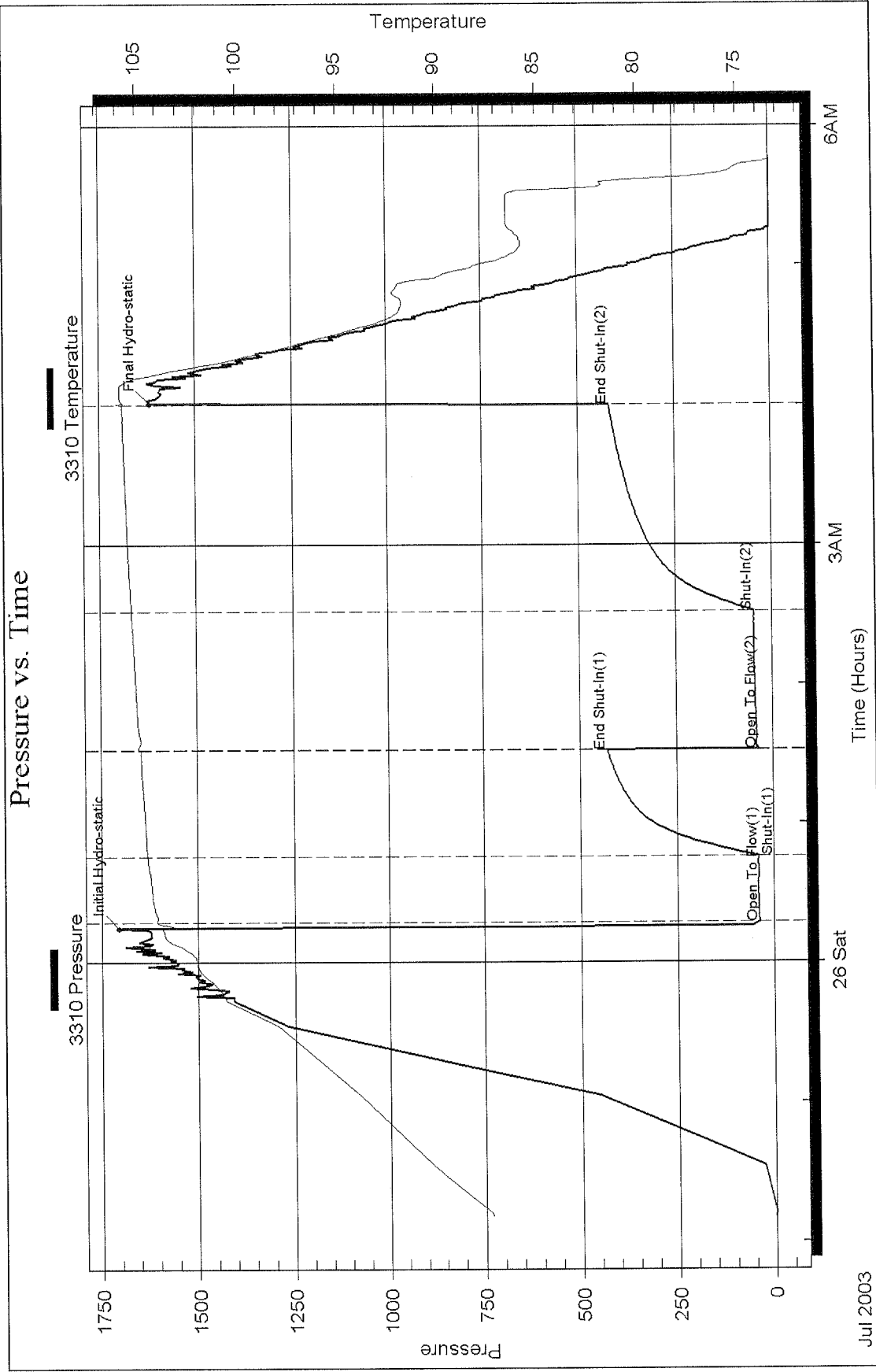
Inside

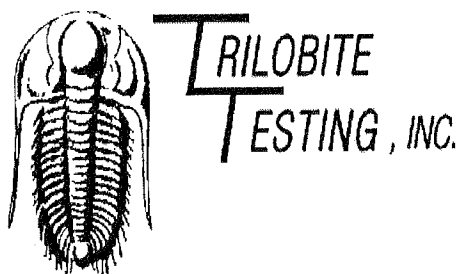
Berenenergy

29-21s-12w Stafford

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Berenenergy**

3333 S Wadsworth Blvd
Lakewood Co 80227

ATTN: Dave Braden

29-21s-12w Stafford

Fisher #7

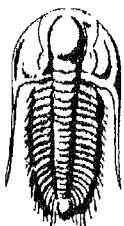
Start Date: 2003.07.26 @ 16:36:18

End Date: 2003.07.26 @ 23:19:33

Job Ticket #: 17092

DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Berenenergy

3333 S Wadsworth Blvd
Lakewood CO 80227

ATTN: Dave Braden

Fisher #7

29-21s-12w Stafford

Job Ticket: 17092

DST#: 2

Test Start: 2003.07.26 @ 16:36:18

GENERAL INFORMATION:

Formation: **Kansas City H,I,J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:56:03

Time Test Ended: 23:19:33

Test Type: Conventional Bottom Hole

Tester: Paul/Nathan

Unit No: 24

Interval: 3390.00 ft (KB) To 3442.00 ft (KB) (TVD)

Total Depth: 3442.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1871.00 ft (KB)

1863.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 3310 Inside

Press@RunDepth: 41.34 psig @ 3397.00 ft (KB)

Start Date: 2003.07.26

End Date: 2003.07.26

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Start Time: 16:36:23

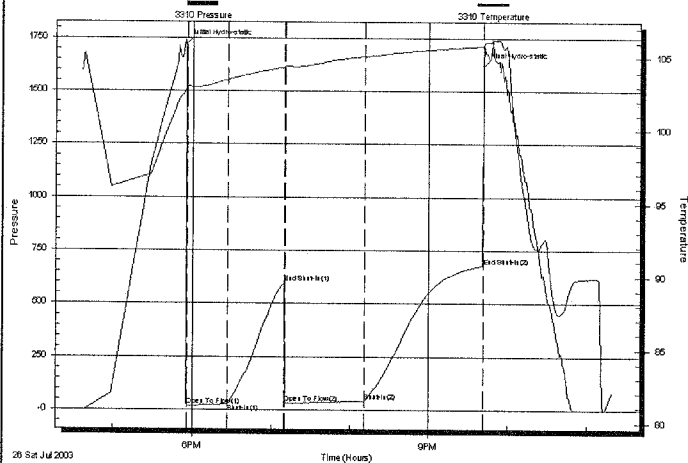
End Time: 23:19:32

Time On Btm: 2003.07.26 @ 17:55:18

Time Off Btm: 2003.07.26 @ 21:42:03

TEST COMMENT: IF- Strong surface blow; off bottom of bucket in 11 min
ISI- No Blow
FF- Strong Blow; off bottom of bucket as soon as tool opened
FSI- No Blow

Pressure vs. Time



PRESSURE SUMMARY

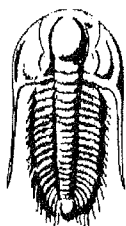
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1723.24	102.85	Initial Hydro-static
1	20.53	103.07	Open To Flow (1)
31	25.63	103.50	Shut-In (1)
74	597.59	104.35	End Shut-In (1)
75	30.74	104.46	Open To Flow (2)
136	41.34	105.10	Shut-In (2)
227	679.14	105.81	End Shut-In (2)
227	1619.02	105.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	hocrn 40%o 60% m	0.84
1.00	socrn 10%o 90% m	0.01
0.00	1400' Gip	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Berenenergy

Fisher #7

3333 S Wadsworth Blvd
Lakewood Co 80227

29-21s-12w Stafford

Job Ticket: 17092

DST#: 2

ATTN: Dave Braden

Test Start: 2003.07.26 @ 16:36:18

Tool Information

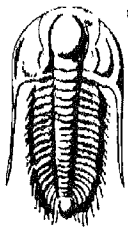
Drill Pipe:	Length: 3376.00 ft	Diameter: 3.80 inches	Volume: 47.36 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	54000.00 lb
		Total Volume:	47.36 bbl	Tool Chased	ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	54000.00 lb
Depth to Top Packer:	3390.00 ft			Final	54000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	52.00 ft				
Tool Length:	74.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			3369.00	
Shut In Tool	5.00			3374.00	
Hydraulic tool	5.00			3379.00	
Safety Joint	2.00			3381.00	
Packer	4.00			3385.00	22.00 Bottom Of Top Packer
Packer	5.00			3390.00	
Stubb	1.00			3391.00	
Perforations	5.00			3396.00	
Change Over Sub	1.00			3397.00	
Recorder	0.00	3310	Inside	3397.00	
Blank Spacing	32.00			3429.00	
Change Over Sub	1.00			3430.00	
Perforations	10.00			3440.00	
Recorder	0.00	10242	Outside	3440.00	
Bullnose	2.00			3442.00	52.00 Bottom Packers & Anchor

Total Tool Length: 74.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Berenenergy

Fisher #7

3333 S Wadsworth Blvd
Lakewood Co 80227

29-21s-12w Stafford

Job Ticket: 17092

DST#: 2

ATTN: Dave Braden

Test Start: 2003.07.26 @ 16:36:18

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	hocm 40%o 60% m	0.842
1.00	socm 10%o 90% m	0.014
0.00	1400' Gip	0.000

Total Length: 61.00 ft Total Volume: 0.856 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: clean oil in tool

DST Test Number: 2

29-21s-12w Stafford

Berenenergy

Inside

Serial #: 3310

Pressure vs. Time

