

**TRILOBITE  
TESTING, INC.**

CONFIDENTIAL  
DEC 19 2007  
KCC

**DRILL STEM TEST REPORT**

Prepared For: **American Warrior**

PO Box 399  
Garden City KS 67846

ATTN: Marc Downing

**13 20 13W Barton KS**

**Selle-Bodine # 1-13**

Start Date: 2007.11.04 @ 00:19:43

End Date: 2007.11.04 @ 06:08:50

Job Ticket #: 27986 DST #: 1

RECEIVED  
KANSAS CORPORATION COMMISSION

DEC 21 2007

CONSERVATION DIVISION  
WICHITA, KS

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

American Warrior

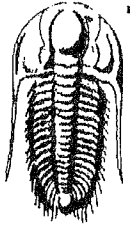
Selle-Bodine # 1-13

13 20 13W Barton KS

DST # 1

Lans / K.C. A&B

2007.11.04



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior  
 PO Box 399  
 Garden City KS 67846  
 ATTN: Marc Downing

**Selle-Bodine # 1-13**  
**13 20 13W Barton KS**  
 Job Ticket: 27986      DST#: 1  
 Test Start: 2007.11.04 @ 00:19:43

## GENERAL INFORMATION:

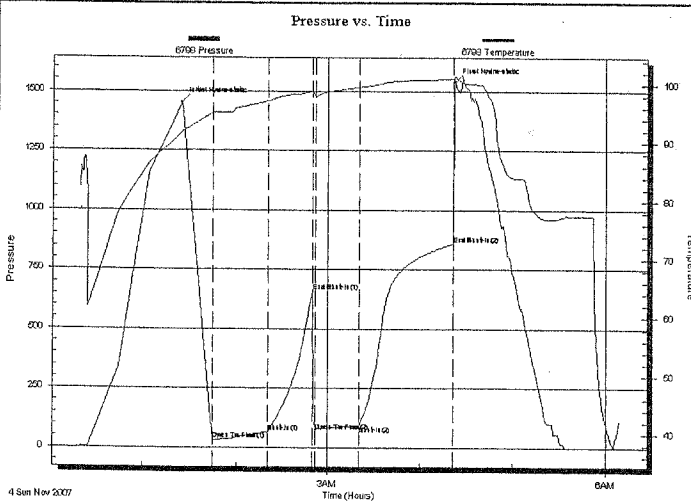
Formation: **Lans./ K.C. A&B**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:44:20  
 Time Test Ended: 06:08:50  
 Interval: **3196.00 ft (KB) To 3243.00 ft (KB) (TVD)**  
 Total Depth: 3243.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Jerry Adams  
 Unit No: 36  
 Reference Elevations: 1864.00 ft (KB)  
 1856.00 ft (CF)  
 KB to GR/CF: 8.00 ft

## Serial #: 6798

Inside

Press@RunDepth: 92.52 psig @ 3208.00 ft (KB)      Capacity: 7000.00 psig  
 Start Date: 2007.11.04      End Date: 2007.11.04      Last Calib.: 2007.11.04  
 Start Time: 00:19:44      End Time: 06:08:50      Time On Btm: 2007.11.04 @ 01:24:20  
 Time Off Btm: 2007.11.04 @ 04:22:20

TEST COMMENT: IF Strong surging blow BOB in 1 1/2 mins.  
 ISI No blow  
 FF Strong blow BOB immediately GTS in 6 mins. (see gas flow report)  
 FSI Weak surface blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1453.97	91.81	Initial Hydro-static
20	32.58	95.25	Open To Flow (1)
56	65.49	97.11	Shut-In(1)
86	658.61	98.81	End Shut-In(1)
88	66.71	97.77	Open To Flow (2)
116	92.52	99.53	Shut-In(2)
177	857.56	100.96	End Shut-In(2)
178	1541.24	101.51	Final Hydro-static

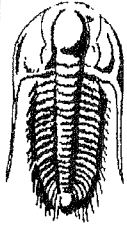
## Recovery

Length (ft)	Description	Volume (bbl)
180.00	HG&OCM 53%G 17%O 30%M	2.52
0.00	3011' GIP	0.00
0.00		0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	1.50	5.99
Last Gas Rate	0.13	2.50	6.36
Max. Gas Rate	0.13	2.50	6.36





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior

**Selle-Bodine # 1-13**

PO Box 399  
Garden City KS 67846

**13 20 13W Barton KS**

Job Ticket: 27986

**DST#: 1**

ATTN: Marc Downing

Test Start: 2007.11.04 @ 00:19:43

## Tool Information

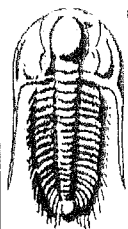
Drill Pipe:	Length: 3191.00 ft	Diameter: 3.80 inches	Volume: 44.76 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 44.76 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3196.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	67.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3181.00	
Hydraulic tool	5.00			3186.00	
Packer	5.00			3191.00	20.00 Bottom Of Top Packer
Packer	5.00			3196.00	
Stubb	1.00			3197.00	
Perforations	10.00			3207.00	
Change Over Sub	1.00			3208.00	
Recorder	0.00	6798	Inside	3208.00	
Recorder	0.00	8358	Inside	3208.00	
Blank Spacing	31.00			3239.00	
Change Over Sub	1.00			3240.00	
Bullnose	3.00			3243.00	47.00 Bottom Packers & Anchor

**Total Tool Length: 67.00**



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

Selle-Bodine # 1-13

PO Box 399  
Garden City KS 67846

13 20 13W Barton KS

Job Ticket: 27986      DST#: 1

ATTN: Marc Downing

Test Start: 2007.11.04 @ 00:19:43

## 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: 42.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4700.00 ppm			
Filter Cake: 0.20 inches			

## Recovery Information

Recovery Table

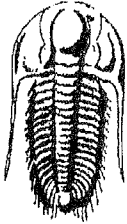
Length ft	Description	Volume bbl
180.00	HG&OCM 53%G 17%O 30%M	2.525
0.00	3011' GIP	0.000
0.00		0.000

Total Length: 180.00ft      Total Volume: 2.525 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none

Laboratory Name:      Laboratory Location:

Recovery Comments:



**TRILOBITE**  
**TESTING, INC.**

# DRILL STEM TEST REPORT

**GAS RATES**

American Warrior

Selle-Bodine # 1-13

PO Box 399  
Garden City KS 67846

13 20 13W Barton KS

ATTN: Marc Downing

Job Ticket: 27986

DST#: 1

Test Start: 2007.11.04 @ 00:19:43

## Gas Rates Information

Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
2	10	0.13	1.50	5.99
2	10	0.13	1.50	5.99
2	20	0.13	2.00	6.18
2	30	0.13	2.50	6.36

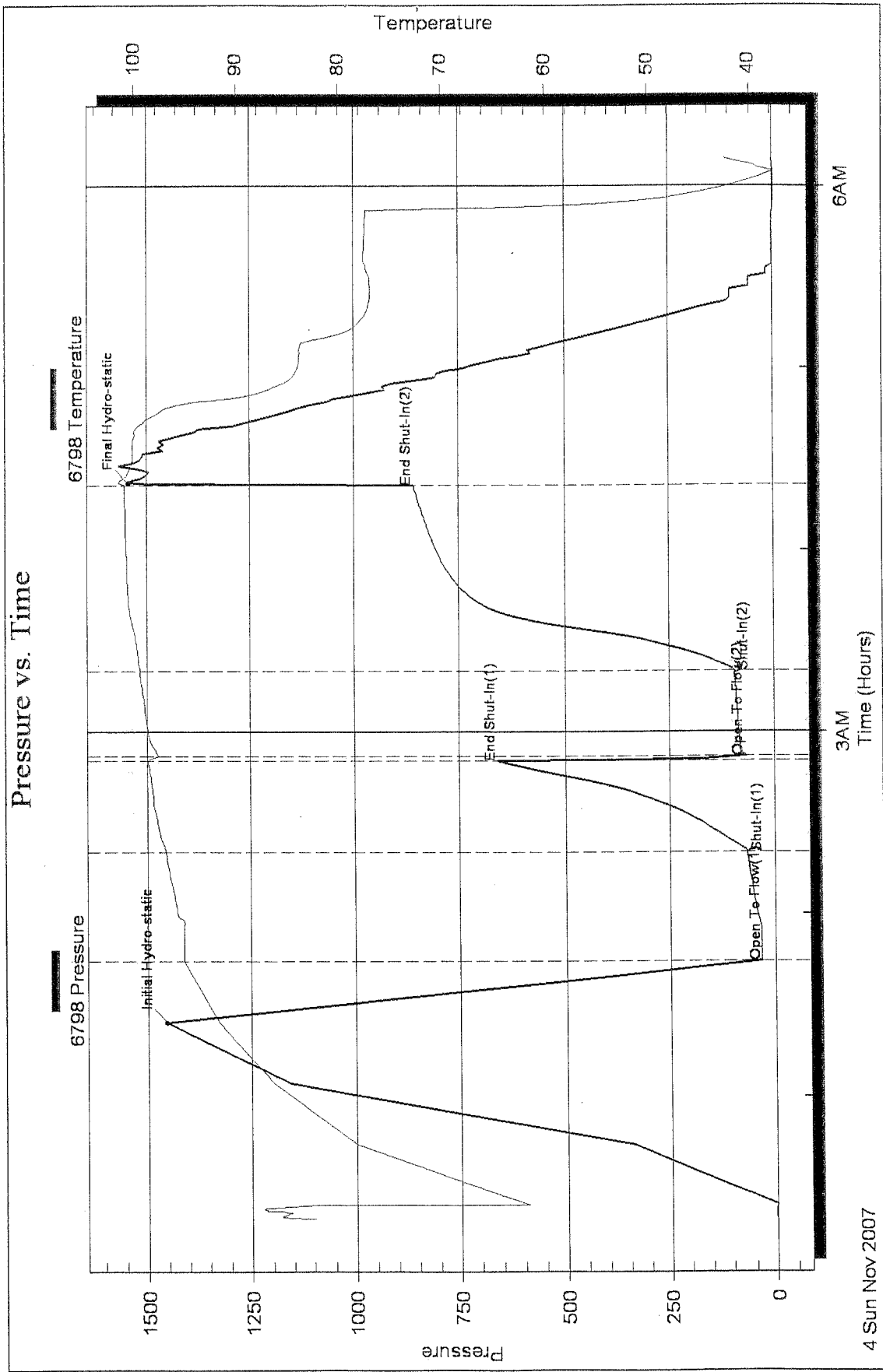
Serial #: 6798

Inside

American Warrior

13 20 13W Barton KS

DST Test Number: 1



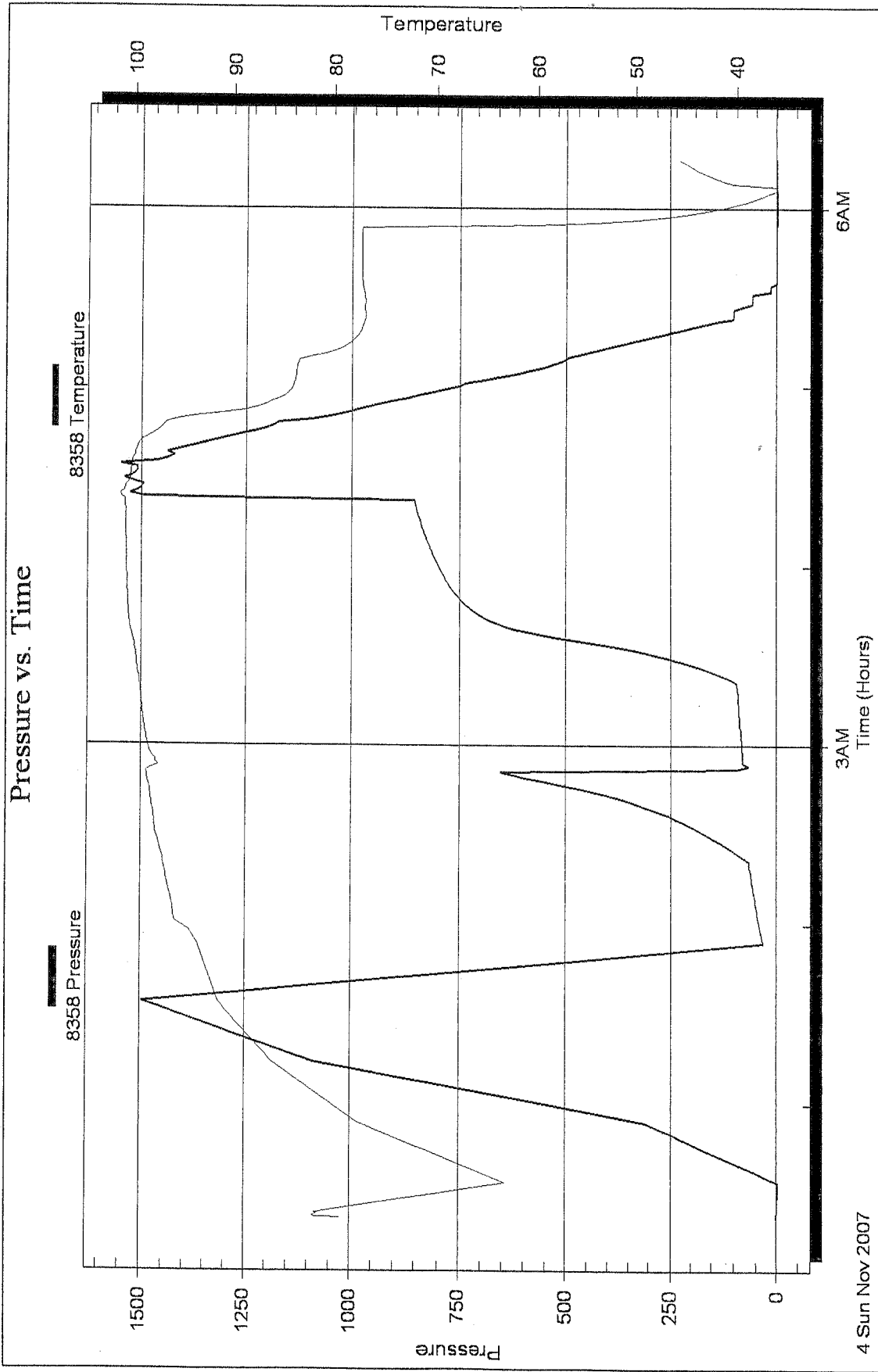
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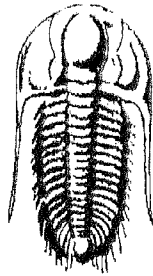
Inside

American Warrior

13 20 13W Barton KS

DST Test Number: 1





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399  
Garden City KS 67846

ATTN: Marc Downing

**13 20 13W Barton KS**

**Selle-Bodine # 1-13**

Start Date: 2007.11.04 @ 11:19:52

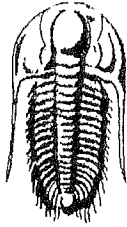
End Date: 2007.11.04 @ 16:38:22

Job Ticket #: 27987                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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# DRILL STEM TEST REPORT

American Warrior  
PO Box 399  
Garden City KS 67846  
ATTN: Marc Downing

**Selle-Bodine # 1-13**  
**13 20 13W Barton KS**  
Job Ticket: 27987      **DST#: 2**  
Test Start: 2007.11.04 @ 11:19:52

## GENERAL INFORMATION:

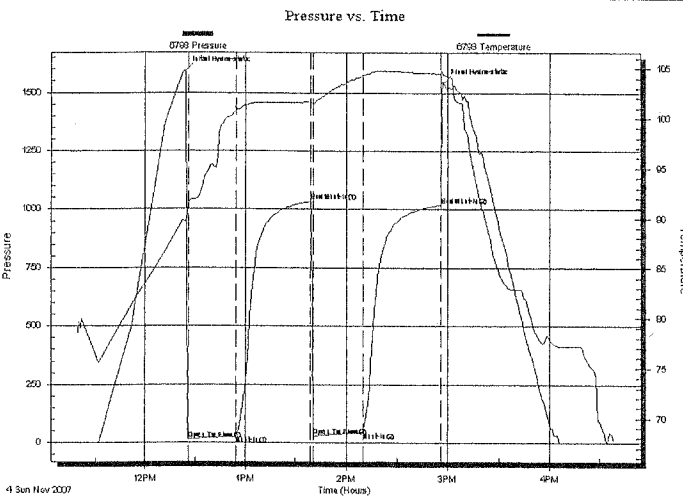
Formation: **Lans./K.C. "D"**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 12:26:22  
Time Test Ended: 16:38:22  
Test Type: Conventional Bottom Hole  
Tester: Jerry Adams  
Unit No: 36  
Interval: **3245.00 ft (KB) To 3255.00 ft (KB) (TVD)**  
Reference Elevations: 1864.00 ft (KB)  
Total Depth: 3255.00 ft (KB) (TVD)      1856.00 ft (CF)  
Hole Diameter: 7.88 inches      Hole Condition: Fair      KB to GR/CF: 8.00 ft

## Serial #: 6798

Inside

Press@RunDepth: 45.23 psig @ 3246.00 ft (KB)      Capacity: 7000.00 psig  
Start Date: 2007.11.04      End Date: 2007.11.04      Last Calib.: 2007.11.04  
Start Time: 11:19:53      End Time: 16:38:22      Time On Btm: 2007.11.04 @ 12:24:22  
Time Off Btm: 2007.11.04 @ 14:57:22

TEST COMMENT: IF Strong blow BOB in 3 mins.  
ISI Very weak surface blow  
FF Strong blow BOB in 2 1/2 mins.  
FSI Weak blow Built to 2 1/4 "



## PRESSURE SUMMARY

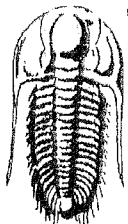
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1592.09	89.70	Initial Hydro-static
2	15.15	91.60	Open To Flow (1)
30	28.06	100.77	Shut-In(1)
75	1034.22	101.62	End Shut-In(1)
76	28.48	101.36	Open To Flow(2)
105	45.23	104.24	Shut-In(2)
152	1019.79	104.48	End Shut-In(2)
153	1542.55	104.40	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	GW&MCO 15%G 45%O 20%W 20%M	0.84
20.00	MCW w/O scum 70%W 30%M	0.28
0.00	870' GIP	0.00
0.00	RW= .056 @ 82 deg. 135000 ppm	0.00
0.00		0.00

## Gas Rates

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



**TRILOBITE**  
TESTING, INC

## DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior

Selle-Bodine # 1-13

PO Box 399  
Garden City KS 67846

13 20 13W Barton KS

ATTN: Marc Downing

Job Ticket: 27987

DST#: 2

Test Start: 2007.11.04 @ 11:19:52

### Tool Information

Drill Pipe:	Length: 3253.00 ft	Diameter: 3.80 inches	Volume: 45.63 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 45.63 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3245.00 ft			Final	49000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	13.00 ft				
Tool Length:	33.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3230.00	
Hydraulic tool	5.00			3235.00	
Packer	5.00			3240.00	20.00 Bottom Of Top Packer
Packer	5.00			3245.00	
Stubb	1.00			3246.00	
Recorder	0.00	6798	Inside	3246.00	
Recorder	0.00	8358	Inside	3246.00	
Perforations	9.00			3255.00	
Bullnose	3.00			3258.00	13.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>33.00</b>				



**TRILOBITE**  
TESTING, INC

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

American Warrior

**Selle-Bodine # 1-13**

PO Box 399  
Garden City KS 67846

**13 20 13W Barton KS**

Job Ticket: 27987      **DST#: 2**

ATTN: Marc Downing

Test Start: 2007.11.04 @ 11:19:52

**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: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.18 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6600.00 ppm			
Filter Cake: 0.20 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
60.00	GW&MCO 15%G 45%O 20%W 20%M	0.842
20.00	MCW w/O scum 70%W 30%M	0.281
0.00	870' GIP	0.000
0.00	RV=-.056 @ 82 deg. 135000 ppm	0.000
0.00		0.000

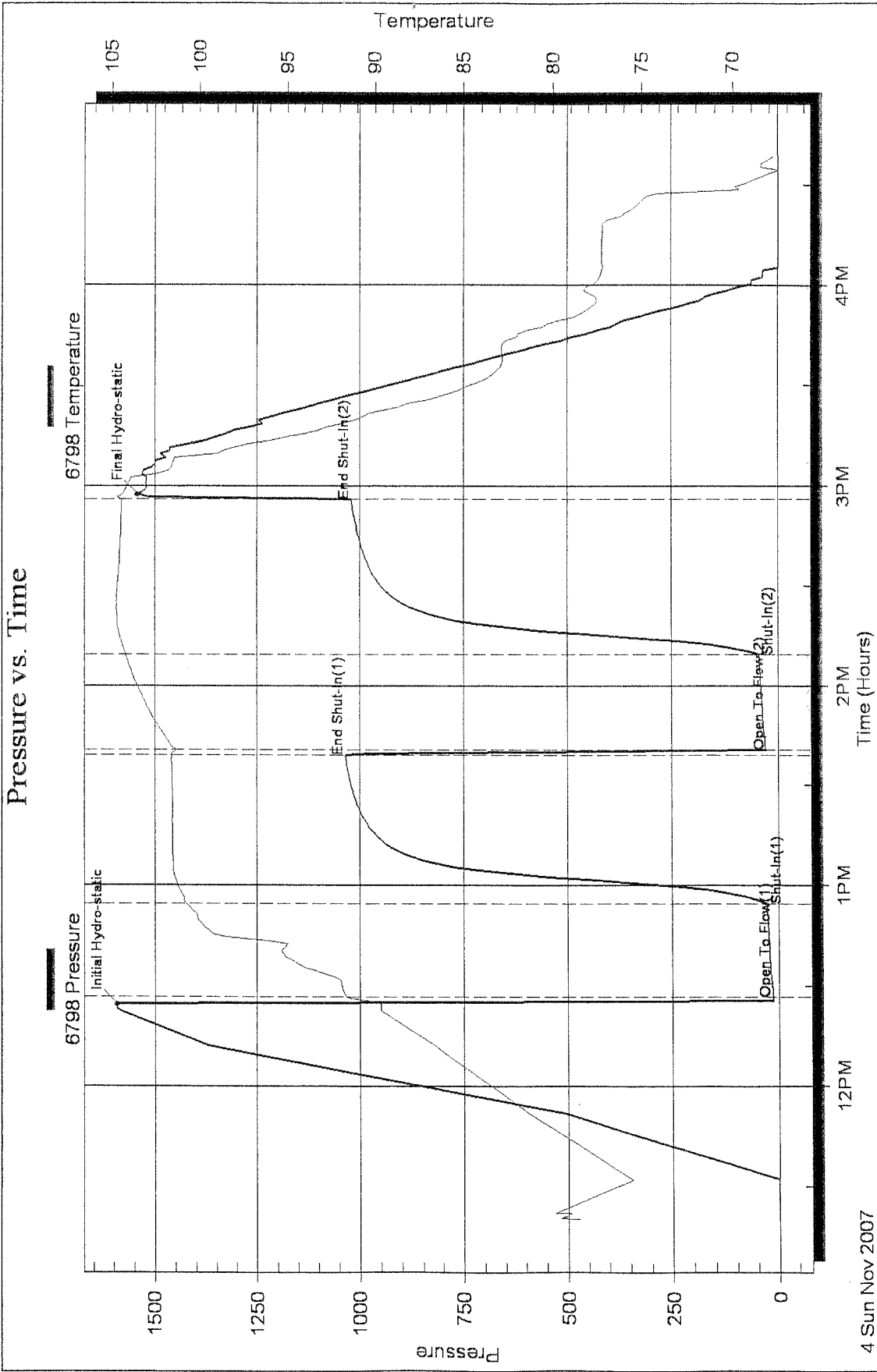
Total Length: 80.00 ft      Total Volume: 1.123 bbl

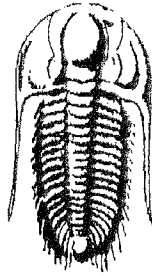
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none

Laboratory Name:      Laboratory Location:

Recovery Comments:

### Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399  
Garden City KS 67846

ATTN: Marc Downing

**13 20 13W Barton KS**

**Selle-Bodine # 1-13**

Start Date: 2007.11.05 @ 02:13:42

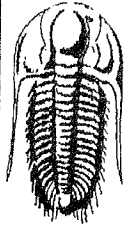
End Date: 2007.11.05 @ 08:28:12

Job Ticket #: 27988                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior  
PO Box 399  
Garden City KS 67846  
ATTN: Marc Downing

**Selle-Bodine # 1-13**  
**13 20 13W Barton KS**  
Job Ticket: 27988      DST#: 3  
Test Start: 2007.11.05 @ 02:13:42

## GENERAL INFORMATION:

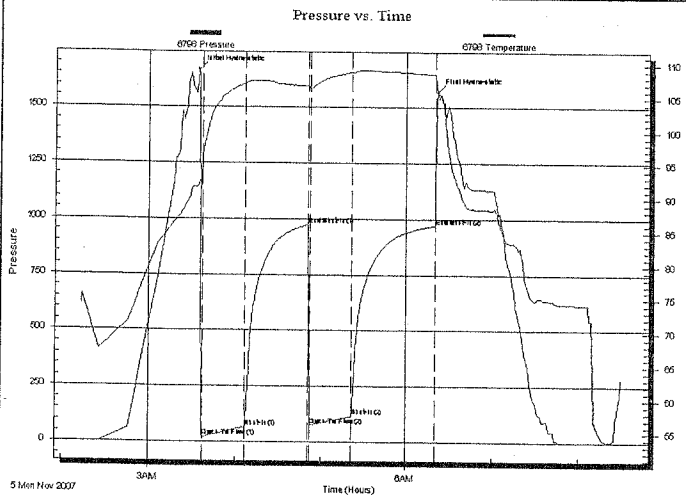
Formation: **Lans./K.C. "H"**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 03:37:12  
Time Test Ended: 08:28:12  
Test Type: Conventional Bottom Hole  
Tester: Jerry Adams  
Unit No: 36  
Interval: **3330.00 ft (KB) To 3351.00 ft (KB) (TVD)**  
Total Depth: 3351.00 ft (KB) (TVD)  
Reference Elevations: 1864.00 ft (KB)  
1856.00 ft (CF)  
Hole Diameter: 7.88 inches      Hole Condition: Fair  
KB to GR/CF: 8.00 ft

## Serial #: 6798

Inside

Press@RunDepth: 116.69 psig @ 3331.00 ft (KB)      Capacity: 7000.00 psig  
Start Date: 2007.11.05      End Date: 2007.11.05      Last Calib.: 2007.11.05  
Start Time: 02:13:43      End Time: 08:28:12      Time On Btm: 2007.11.05 @ 03:34:12  
Time Off Btm: 2007.11.05 @ 06:21:42

TEST COMMENT: IF Strong blow BOB in 1 1/2 mins.  
ISI Weak blow Built to 4" decreased to 3"  
FF Strong blow BOB in 2 mins. GTS in 30 mins.  
FSI Strong blow BOB in 25 mins.



## PRESSURE SUMMARY

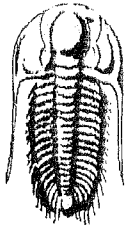
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1665.36	91.98	Initial Hydro-static
3	23.33	96.49	Open To Flow (1)
33	67.73	107.21	Shut-In (1)
77	973.21	106.88	End Shut-In(1)
78	75.70	106.42	Open To Flow (2)
108	116.69	108.86	Shut-In(2)
166	970.23	108.59	End Shut-In(2)
168	1568.78	105.66	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
180.00	SW&MCGO 60%G 30%O 8%W 2%M	2.52
90.00	SMCW 95%W 5%M	1.26
0.00	3046' GIP	0.00
0.00	RW= .072 @ 55 deg. 160000 ppm	0.00
0.00		0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

American Warrior  
PO Box 399  
Garden City KS 67846  
  
ATTN: Marc Downing

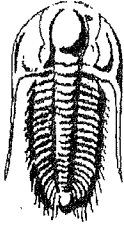
**Selle-Bodine # 1-13**  
**13 20 13W Barton KS**  
Job Ticket: 27988      **DST#: 3**  
Test Start: 2007.11.05 @ 02:13:42

**Tool Information**

Drill Pipe:	Length: 3316.00 ft	Diameter: 3.80 inches	Volume: 46.51 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 46.51 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3330.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	41.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3315.00	
Hydraulic tool	5.00			3320.00	
Packer	5.00			3325.00	20.00      Bottom Of Top Packer
Packer	5.00			3330.00	
Stubb	1.00			3331.00	
Recorder	0.00	6798	inside	3331.00	
Recorder	0.00	8358	inside	3331.00	
Perforations	17.00			3348.00	
Bullnose	3.00			3351.00	21.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>41.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

American Warrior

**Selle-Bodine # 1-13**

PO Box 399  
Garden City KS 67846

**13 20 13W Barton KS**

Job Ticket: 27988      **DST#: 3**

ATTN: Marc Downing

Test Start: 2007.11.05 @ 02:13:42

**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: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6600.00 ppm			
Filter Cake: 0.20 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
180.00	SW&MCGO 60%G 30%O 8%W 2%M	2.525
90.00	SMCW 95%W 5%M	1.262
0.00	3046' GIP	0.000
0.00	RW= .072 @ 55 deg. 160000 ppm	0.000
0.00		0.000

Total Length: 270.00 ft      Total Volume: 3.787 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none

Laboratory Name:      Laboratory Location:

Recovery Comments:

Serial #: 6798

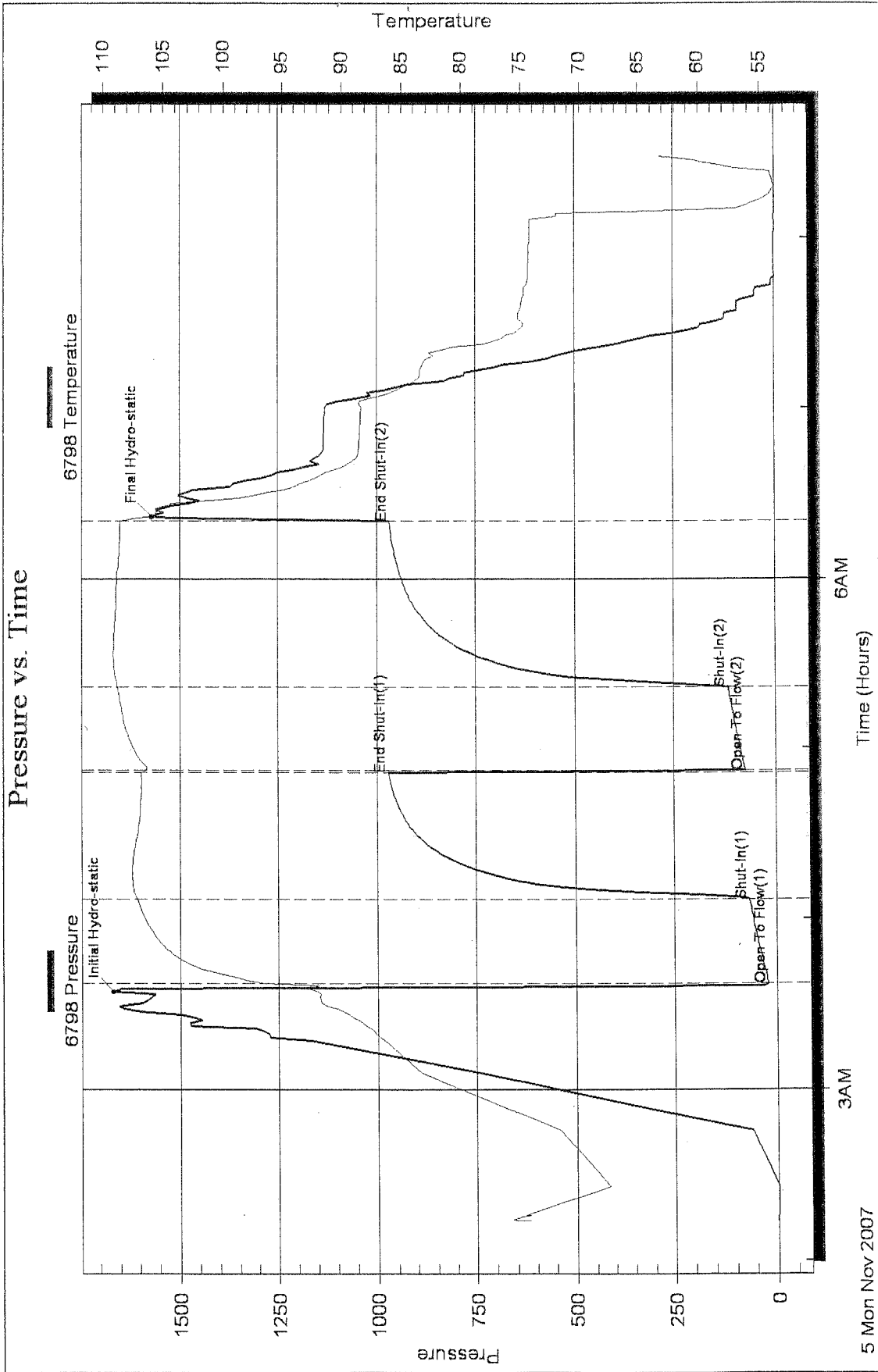
Inside

American Warrior

13 20 13W Barton KS

DST Test Number: 3

### Pressure vs. Time



5 Mon Nov 2007

3AM

6AM

Time (Hours)



## DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399  
Garden City KS 67846

ATTN: Marc Downing

**13 20 13W Barton KS**

**Selle-Bodine # 1-13**

Start Date: 2007.11.05 @ 19:48:24

End Date: 2007.11.06 @ 00:54:54

Job Ticket #: 27989                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

American Warrior

**Selle-Bodine # 1-13**

PO Box 399  
Garden City KS 67846

**13 20 13W Barton KS**

ATTN: Marc Downing

Job Ticket: 27989

DST#: 4

Test Start: 2007.11.05 @ 19:48:24

## GENERAL INFORMATION:

Formation: **Lans./K.C. "K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:28:54

Time Test Ended: 00:54:54

Test Type: Conventional Bottom Hole

Tester: Jerry Adams

Unit No: 36

Interval: **3388.00 ft (KB) To 3430.00 ft (KB) (TVD)**

Reference Elevations: 1864.00 ft (KB)

Total Depth: 3430.00 ft (KB) (TVD)

1856.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 6798** Inside

Press@RunDepth: 25.24 psig @ 3395.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2007.11.05

End Date: 2007.11.06

Last Calib.: 2007.11.06

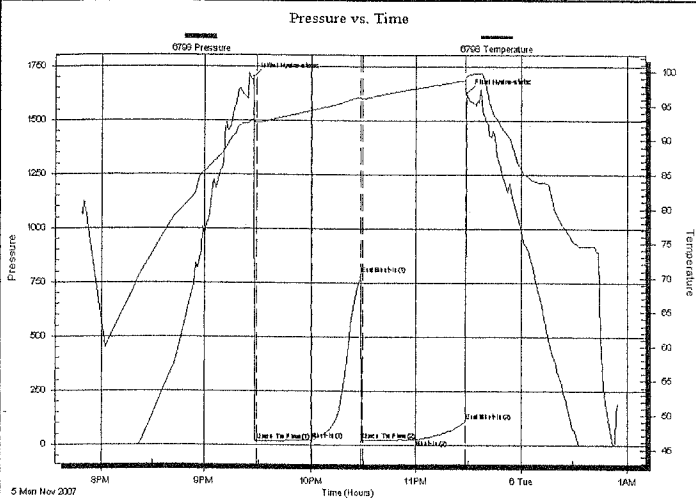
Start Time: 19:48:25

End Time: 00:54:54

Time On Btm: 2007.11.05 @ 21:27:24

Time Off Btm: 2007.11.05 @ 23:28:54

TEST COMMENT: IF Weak blow Built to 2 "  
ISI No blow  
FF Weak blow Built to 3/4 "  
FSI No blow



## PRESSURE SUMMARY

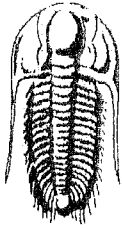
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1701.12	93.05	Initial Hydro-static
2	16.56	92.54	Open To Flow (1)
33	23.43	94.34	Shut-In(1)
61	788.17	96.29	End Shut-In(1)
63	22.44	96.05	Open To Flow(2)
93	25.24	97.53	Shut-In(2)
121	110.24	98.75	End Shut-In(2)
122	1628.22	99.37	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	OCM 10%O 90%M	0.28
0.00		0.00

## Gas Rates

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



**TRILOBITE  
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# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior  
PO Box 399  
Garden City KS 67846  
  
ATTN: Marc Downing

**Selle-Bodine # 1-13**  
**13 20 13W Barton KS**  
Job Ticket: 27989      **DST#: 4**  
Test Start: 2007.11.05 @ 19:48:24

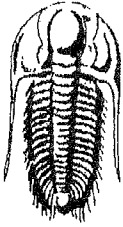
**Tool Information**

Drill Pipe:	Length: 3377.00 ft	Diameter: 3.80 inches	Volume: 47.37 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 51000.00 lb
		<b>Total Volume:</b>	<b>47.37 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3388.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	62.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3373.00	
Hydraulic tool	5.00			3378.00	
Packer	5.00			3383.00	20.00      Bottom Of Top Packer
Packer	5.00			3388.00	
Stubb	1.00			3389.00	
Perforations	5.00			3394.00	
Change Over Sub	1.00			3395.00	
Recorder	0.00	6798	Inside	3395.00	
Recorder	0.00	8358	Inside	3395.00	
Blank Spacing	31.00			3426.00	
Change Over Sub	1.00			3427.00	
Bullnose	3.00			3430.00	42.00      Bottom Packers & Anchor

**Total Tool Length: 62.00**



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**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

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**Selle-Bodine # 1-13**  
**13 20 13W Barton KS**  
Job Ticket: 27989      DST#: 4  
Test Start: 2007.11.05 @ 19:48:24

**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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.59 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 10000.00 ppm			
Filter Cake: 0.20 inches			

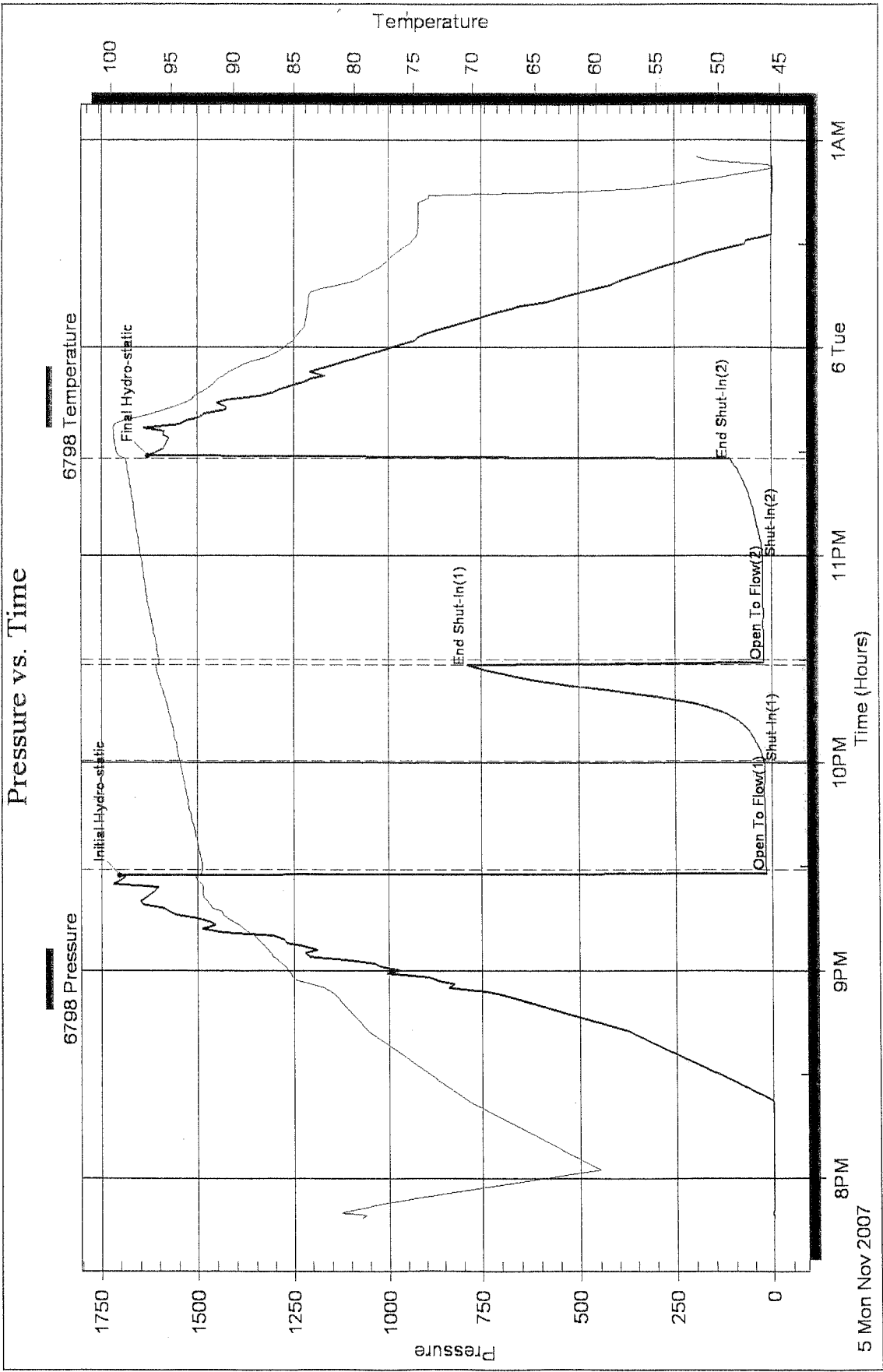
**Recovery Information**

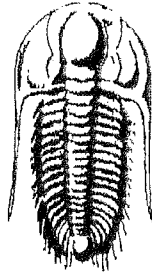
Recovery Table

Length ft	Description	Volume bbl
20.00	OCM 10%O 90%M	0.281
0.00		0.000

Total Length: 20.00 ft      Total Volume: 0.281 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

# Pressure vs. Time





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399  
Garden City KS 67846

ATTN: Marc Downing

**13 20 13W Barton KS**

**Selle-Bodine # 1-13**

Start Date: 2007.11.06 @ 09:20:15

End Date: 2007.11.06 @ 13:55:15

Job Ticket #: 27990                      DST #: 5

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American Warrior

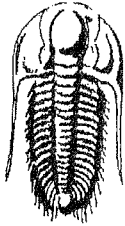
Selle-Bodine # 1-13

13 20 13W Barton KS

DST # 5

Arbuckle

2007.11.06



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# DRILL STEM TEST REPORT

American Warrior  
PO Box 399  
Garden City KS 67846  
ATTN: Marc Downing

**Selle-Bodine # 1-13**  
**13 20 13W Barton KS**  
Job Ticket: 27990      **DST#:5**  
Test Start: 2007.11.06 @ 09:20:15

## GENERAL INFORMATION:

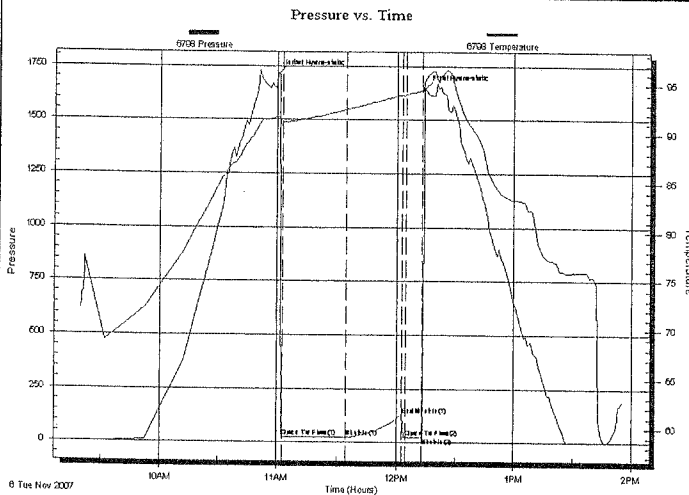
Formation: **Arbuckle**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 11:02:45  
Time Test Ended: 13:55:15  
Interval: **3428.00 ft (KB) To 3477.00 ft (KB) (TVD)**  
Total Depth: 3477.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches      Hole Condition: Fair  
Test Type: Conventional Bottom Hole  
Tester: Jerry Adams  
Unit No: 36  
Reference Elevations: 1864.00 ft (KB)  
1856.00 ft (CF)  
KB to GR/CF: 8.00 ft

## Serial #: 6798

Inside

Press@RunDepth: 21.67 psig @ 3442.00 ft (KB)      Capacity: 7000.00 psig  
Start Date: 2007.11.06      End Date: 2007.11.06      Last Calib.: 2007.11.06  
Start Time: 09:20:16      End Time: 13:55:15      Time On Btm: 2007.11.06 @ 11:00:15  
Time Off Btm: 2007.11.06 @ 12:13:45

TEST COMMENT: IF Weak blow Built to 1"  
ISI No blow  
FF No blow Flushed tool after 3 mins. No blow Shut in and trip out of hole  
FSI N/A



## PRESSURE SUMMARY

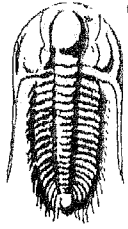
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1713.42	91.70	Initial Hydro-static
3	21.46	91.27	Open To Flow (1)
35	21.67	92.51	Shut-In (1)
62	128.84	94.00	End Shut-In (1)
64	21.44	94.04	Open To Flow (2)
73	24.16	94.44	Shut-In (2)
74	1645.11	95.31	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	OCM 15%O 85%M	0.21
0.00		0.00

## Gas Rates

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



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TOOL DIAGRAM

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Selle-Bodine # 1-13  
13 20 13W Barton KS  
Job Ticket: 27990      DST#: 5  
Test Start: 2007.11.06 @ 09:20:15

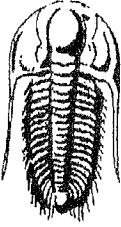
**Tool Information**

Drill Pipe:	Length: 3438.00 ft	Diameter: 3.80 inches	Volume: 48.23 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 51000.00 lb
			Total Volume: 48.23 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3428.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	69.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3413.00	
Hydraulic tool	5.00			3418.00	
Packer	5.00			3423.00	20.00      Bottom Of Top Packer
Packer	5.00			3428.00	
Stubb	1.00			3429.00	
Perforations	12.00			3441.00	
Change Over Sub	1.00			3442.00	
Recorder	0.00	6798	Inside	3442.00	
Recorder	0.00	8358	Inside	3442.00	
Blank Spacing	31.00			3473.00	
Change Over Sub	1.00			3474.00	
Bullnose	3.00			3477.00	49.00      Bottom Packers & Anchor

**Total Tool Length: 69.00**



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ATTN: Marc Downing

Job Ticket: 27990

DST#: 5

Test Start: 2007.11.06 @ 09:20:15

## 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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 10500.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	OCM 15%O 85%M	0.210
0.00		0.000

Total Length: 15.00 ft

Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time

