

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **R & B Oil & Gas**

PO Box 195
Attica KS 67009

ATTN: Tim Pierce

13 31S 9W Harper KS

Grabs 'A' #4

Start Date: 2008.01.28 @ 05:50:15

End Date: 2008.01.28 @ 12:05:15

Job Ticket #: 29841 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

R & B Oil & Gas

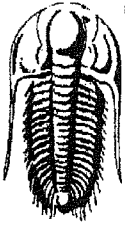
Grabs 'A' #4

13 31S 9W Harper KS

DST # 1

Topeka

2008.01.28



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

R & B Oil & Gas

Grabs 'A' #4

PO Box 195
Attica KS 67009

13 31S 9W Harper KS

ATTN: Tim Pierce

Job Ticket: 29841

DST#: 1

Test Start: 2008.01.28 @ 05:50:15

GENERAL INFORMATION:

Formation: **Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:12:45

Time Test Ended: 12:05:15

Test Type: Conventional Bottom Hole

Tester: Kevin Taylor

Unit No: 30

Interval: **2968.00 ft (KB) To 2978.00 ft (KB) (TVD)**

Total Depth: 2978.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1641.00 ft (KB)

1631.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8359

Inside

Press@RunDepth: 997.37 psig @ 2969.00 ft (KB)

Start Date: 2008.01.28

End Date:

2008.01.28

Capacity: 7000.00 psig

Last Calib.: 2008.01.28

Start Time: 05:51:15

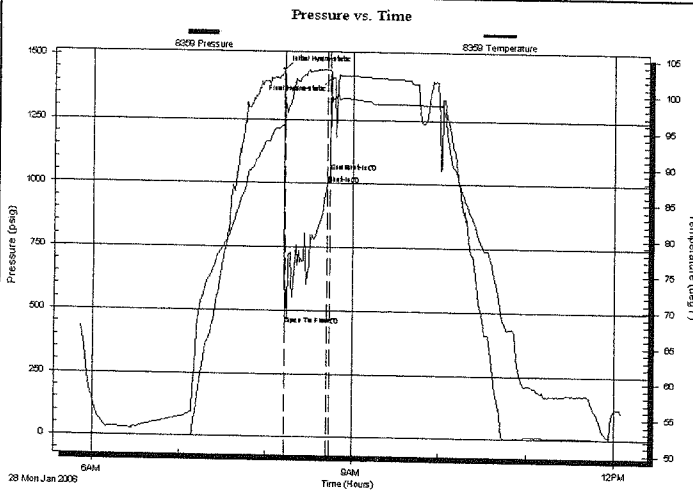
End Time:

12:05:15

Time On Btm: 2008.01.28 @ 08:12:00

Time Off Btm: 2008.01.28 @ 08:44:45

TEST COMMENT: IF Strong Blow BOB 30 Sec GTS 7 Mn. See Gas Flow Report Fluid To Surface In 30 Mins.
ISI Pulled Loose



PRESSURE SUMMARY

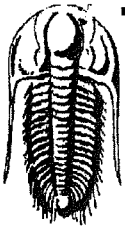
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1444.53	96.05	Initial Hydro-static
1	444.38	97.58	Open To Flow (1)
31	997.37	103.38	Shut-In (1)
33	1045.18	103.36	End Shut-In (1)
33	1413.47	100.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2940.00	GSY Water 20% G 80%W	40.41

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	7.00	144.36



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

R & B Oil & Gas

PO Box 195
Attica KS 67009

ATTN: Tim Pierce

Grabs 'A' #4

13 31S 9W Harper KS

Job Ticket: 29841

DST#: 1

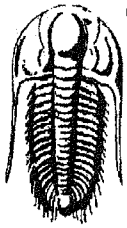
Test Start: 2008.01.28 @ 05:50:15

Tool Information

Drill Pipe:	Length: 2836.00 ft	Diameter: 3.80 inches	Volume: 39.78 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: 30000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.75 inches	Volume: 0.91 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume:	40.69 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	2968.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	29.00 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			2954.00	
Hydraulic tool	5.00			2959.00	
Packer	5.00			2964.00	19.00 Bottom Of Top Packer
Packer	4.00			2968.00	
Stubb	1.00			2969.00	
Recorder	0.00	6668	Inside	2969.00	
Recorder	0.00	8359	Inside	2969.00	
Perforations	6.00			2975.00	
Bullnose	3.00			2978.00	10.00 Bottom Packers & Anchor
Total Tool Length:	29.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

R & B Oil & Gas

Grabs 'A' #4

PO Box 195
Attica KS 67009

13 31S 9W Harper KS

Job Ticket: 29841

DST#: 1

ATTN: Tim Pierce

Test Start: 2008.01.28 @ 05:50:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

199000 ppm

Viscosity: 29.00 sec/qt

Cushion Volume:

bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 103000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2940.00	GSY Water 20% G 80%W	40.412

Total Length: 2940.00 ft

Total Volume: 40.412 bbl

Num Fluid Samples: 1

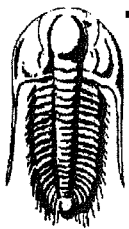
Num Gas Bombs: 1

Serial #: KT

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

R & B Oil & Gas

Grabs 'A' #4

PO Box 195
Attica KS 67009

13 31S 9W Harper KS

ATTN: Tim Pierce

Job Ticket: 29841

DST#:1

Test Start: 2008.01.28 @ 05:50:15

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 ³ /d)
10	10	0.50	7.00	144.36

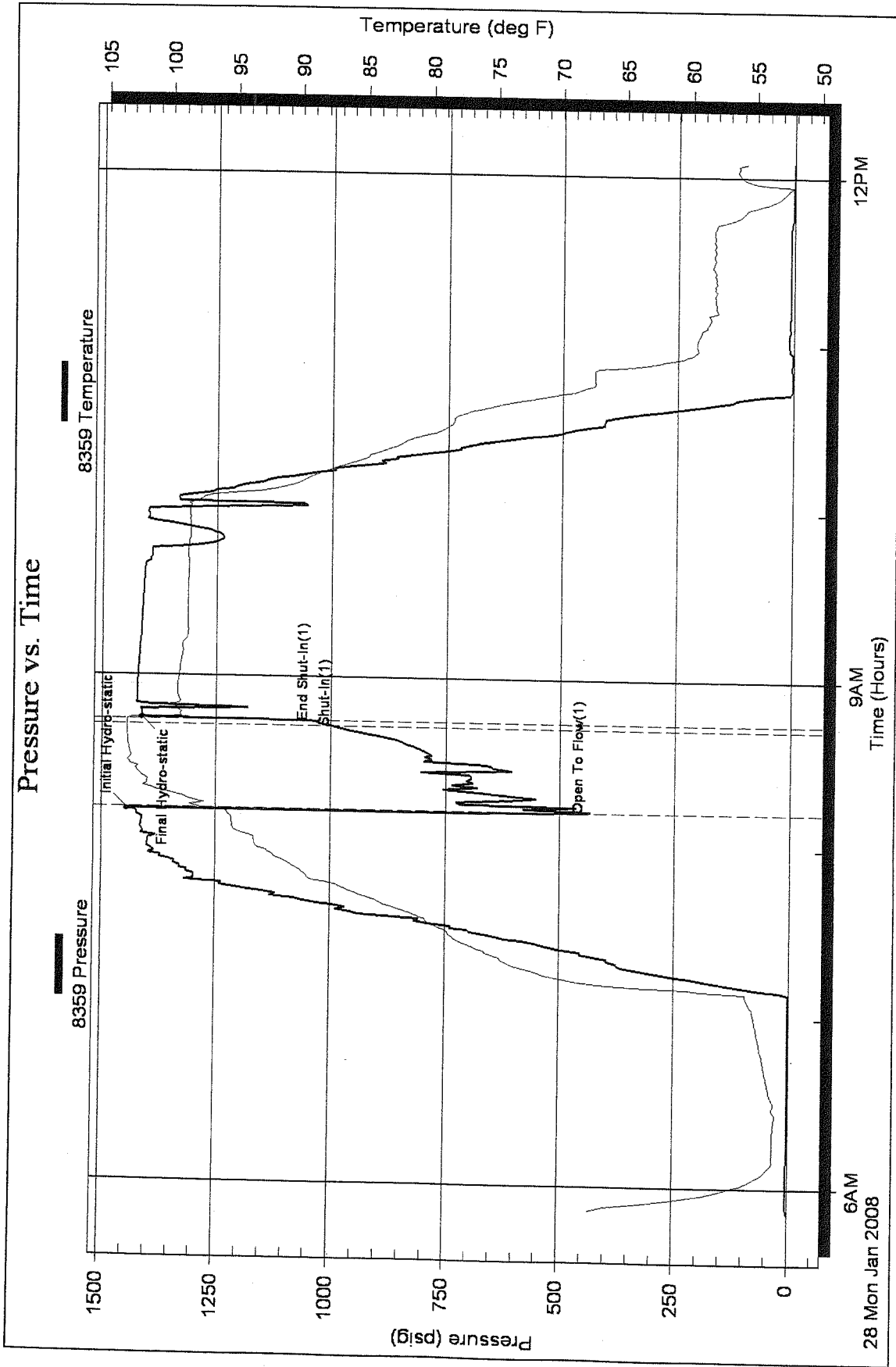
Serial #: 8359

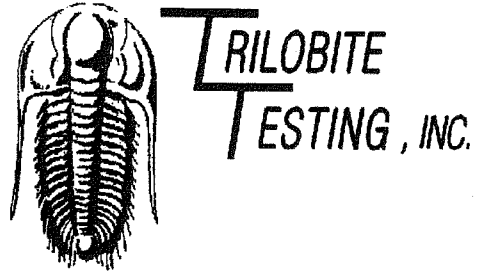
Inside

R & B Oil & Gas

13 31S 9W Harper KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **R & B Oil & Gas**

PO Box 195
Attica KS 67009

ATTN: Tim Pierce

13 31S 9W Harper KS

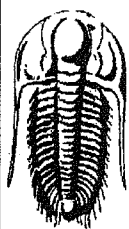
Grabs 'A' #4

Start Date: 2008.02.01 @ 04:04:31

End Date: 2008.02.01 @ 14:16:01

Job Ticket #: 28425 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

R & B Oil & Gas

PO Box 195
Attica KS 67009

ATTN: Tim Pierce

Grabs 'A' #4

13 31S 9W Harper KS

Job Ticket: 28425

DST#: 2

Test Start: 2008.02.01 @ 04:04:31

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:34:01

Time Test Ended: 14:16:01

Test Type: Conventional Bottom Hole

Tester: Kevin Taylor

Unit No: 36

Interval: **4400.00 ft (KB) To 4425.00 ft (KB) (TVD)**

Total Depth: 4425.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1641.00 ft (KB)

1631.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6798 Inside

Press@RunDepth: 90.84 psig @ 4401.00 ft (KB)

Start Date: 2008.02.01

End Date:

2008.02.01

Start Time: 04:04:32

End Time:

14:16:01

Capacity: 7000.00 psig

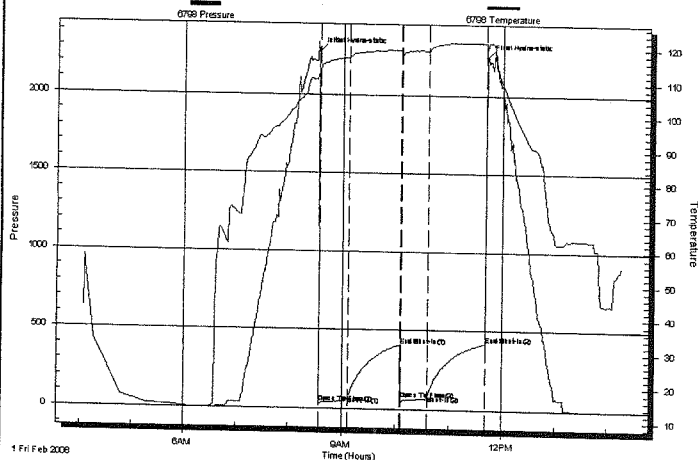
Last Calib.: 2008.02.01

Time On Btm: 2008.02.01 @ 08:33:31

Time Off Btm: 2008.02.01 @ 11:42:01

TEST COMMENT: IF Fair Blow BOB In 1 Mn
ISI Weak Blow Built To 3/4 in
FF Strong Blow BOB In 20 Secs.
FSI Weak Blow Built To 9" in 10 Mn

Pressure vs. Time



PRESSURE SUMMARY

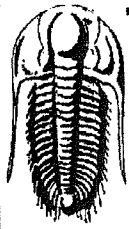
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2269.74	112.82	Initial Hydro-static
1	33.97	112.95	Open To Flow (1)
34	79.43	117.24	Shut-In(1)
92	407.94	119.66	End Shut-In(1)
93	65.40	118.36	Open To Flow (2)
123	90.84	119.46	Shut-In(2)
188	417.64	121.78	End Shut-In(2)
189	2239.71	119.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	OGCM 10%G 40%O 50%M	0.46
62.00	OGCM 30%G 35%O 35%M	0.46
40.00	Mud	0.56

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

R & B Oil & Gas

Grabs 'A' #4

PO Box 195
Attica KS 67009

13 31S 9W Harper KS

Job Ticket: 28425

DST#: 2

ATTN: Tim Pierce

Test Start: 2008.02.01 @ 04:04:31

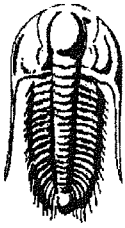
Tool Information

Drill Pipe:	Length: 4262.00 ft	Diameter: 3.80 inches	Volume: 59.78 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: 123.00 ft	Diameter: 2.75 inches	Volume: 0.90 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 60.68 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4400.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	45.00 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			4385.00	
Hydraulic tool	5.00			4390.00	
Packer	5.00			4395.00	20.00 Bottom Of Top Packer
Packer	5.00			4400.00	
Stubb	1.00			4401.00	
Recorder	0.00	6798	Inside	4401.00	
Recorder	0.00	8358	Inside	4401.00	
Perforations	21.00			4422.00	
Bullnose	3.00			4425.00	25.00 Bottom Packers & Anchor
Total Tool Length:	45.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

R & B Oil & Gas

Grabs 'A' #4

PO Box 195
Attica KS 67009

13 31S 9W Harper KS

Job Ticket: 28425

DST#: 2

ATTN: Tim Pierce

Test Start: 2008.02.01 @ 04:04:31

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 64.00 sec/qt

Water Loss: 9.18 in³

Resistivity: ohm.m

Salinity: 5600.00 ppm

Filter Cake: 0.02 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	OGCM 10%G 40%O 50%M	0.455
62.00	OGCM 30%G 35%O 35%M	0.462
40.00	Mud	0.561

Total Length: 164.00 ft Total Volume: 1.478 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6798

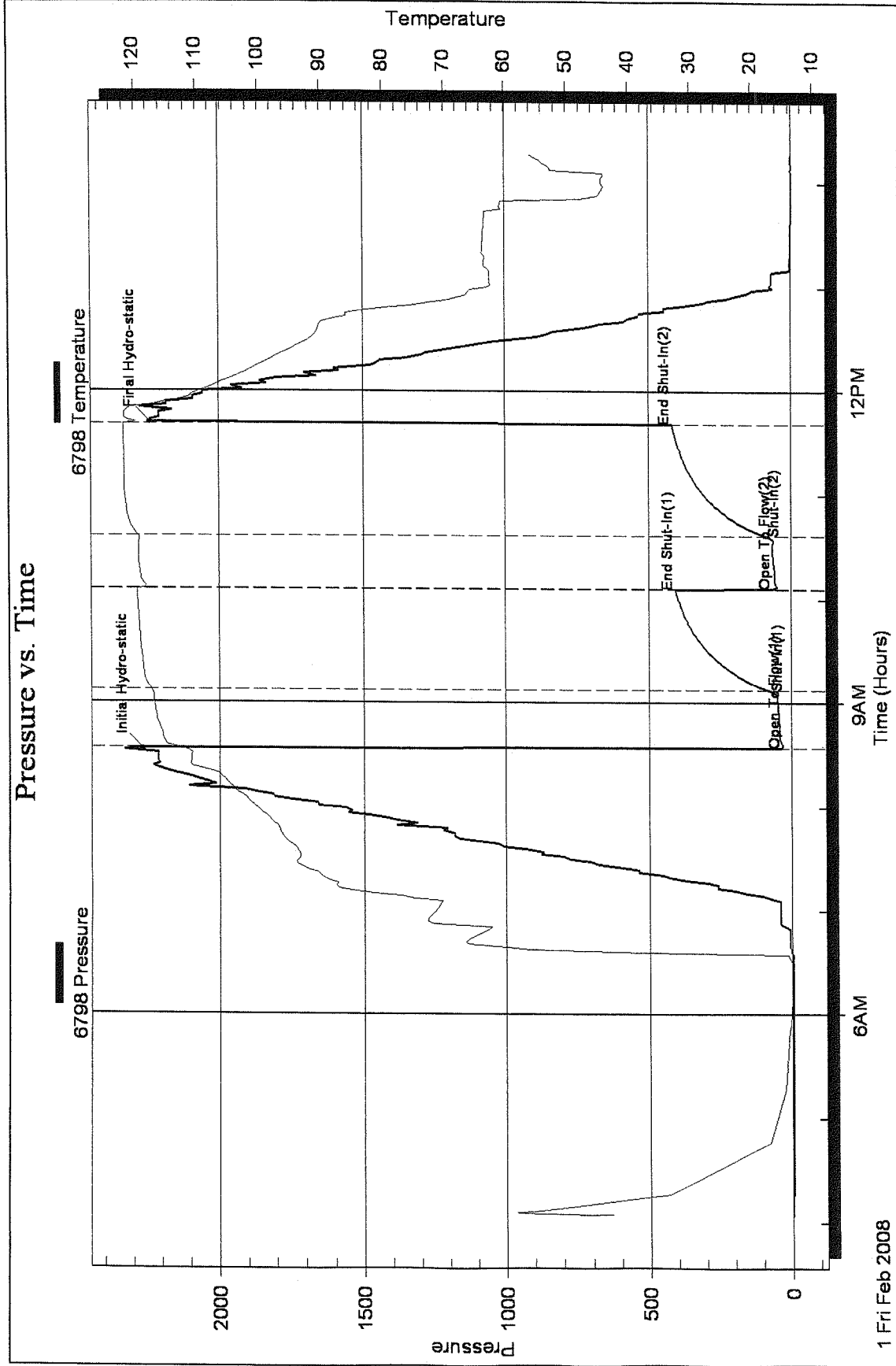
Inside

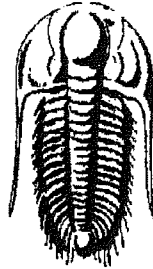
R & B Oil & Gas

13 31S9W Harper KS

DST Test Number: 2

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **R & B Oil & Gas**

PO Box 195
Attica KS 67009

ATTN: Tim Pierce

13 31S 9W Harper KS

Grabs 'A' #4

Start Date: 2008.02.01 @ 23:35:43

End Date: 2008.02.02 @ 08:47:13

Job Ticket #: 30326 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

R & B Oil & Gas

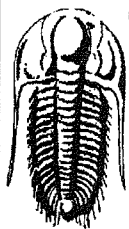
Grabs 'A' #4

13 31S 9W Harper KS

DST # 3

Mississippi

2008.02.01



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

R & B Oil & Gas

PO Box 195
Attica KS 67009

ATTN: Tim Pierce

Grabs 'A' #4

13 31S 9W Harper KS

Job Ticket: 30326

DST#: 3

Test Start: 2008.02.01 @ 23:35:43

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:39:43

Time Test Ended: 08:47:13

Test Type: Conventional Bottom Hole

Tester: Kevin Taylor

Unit No: 36

Interval: 4468.00 ft (KB) To 4488.00 ft (KB) (TVD)

Total Depth: 4488.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1641.00 ft (KB)

1631.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6798 Inside

Press@RunDepth: 109.53 psig @ 4469.00 ft (KB)

Start Date: 2008.02.01

End Date:

2008.02.02

Start Time: 23:35:44

End Time:

08:47:13

Capacity: 7000.00 psig

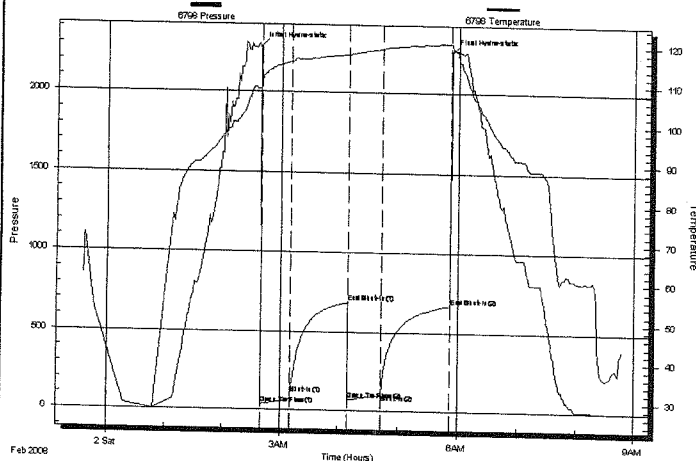
Last Calib.: 2008.02.02

Time On Btm: 2008.02.02 @ 02:38:43

Time Off Btm: 2008.02.02 @ 05:53:13

TEST COMMENT: IF Strong Blow BOB In 40 Secs.
ISI Weak Blow Built to 4 in In 20 Mins.
FF Strong Blow BOB Immediately
FSI Weak Blow Build To 9 " In 40 Min.

Pressure vs. Time



PRESSURE SUMMARY

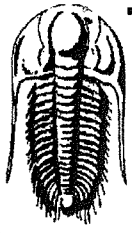
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2281.43	108.75	Initial Hydro-static
1	35.09	110.50	Open To Flow (1)
32	103.81	115.47	Shut-In (1)
91	686.67	117.59	End Shut-In (1)
91	70.27	117.47	Open To Flow (2)
125	109.53	119.02	Shut-In (2)
194	670.82	120.50	End Shut-In (2)
195	2253.78	120.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	OWCM 5%O 75%W 20%M	0.46
150.00	OWCM 5%O 25%W 70%M	1.70
30.00	Mud	0.42

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

R & B Oil & Gas

Grabs 'A' #4

PO Box 195
Attica KS 67009

13 31S 9W Harper KS

ATTN: Tim Pierce

Job Ticket: 30326

DST#: 3

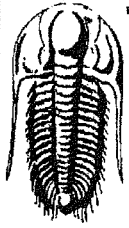
Test Start: 2008.02.01 @ 23:35:43

Tool Information

Drill Pipe:	Length: 4356.00 ft	Diameter: 3.80 inches	Volume: 61.10 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: 123.00 ft	Diameter: 2.75 inches	Volume: 0.90 bbl	Weight to Pull Loose: 90000.00 lb
		<u>Total Volume:</u>	<u>62.00 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4468.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	40.00 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			4453.00	
Hydraulic tool	5.00			4458.00	
Packer	5.00			4463.00	20.00 Bottom Of Top Packer
Packer	5.00			4468.00	
Stubb	1.00			4469.00	
Recorder	0.00	6798	Inside	4469.00	
Recorder	0.00	8358	Inside	4469.00	
Perforations	16.00			4485.00	
Bullnose	3.00			4488.00	20.00 Bottom Packers & Anchor
Total Tool Length:	40.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

R & B Oil & Gas

Grabs 'A' #4

PO Box 195
Attica KS 67009

13 31S 9W Harper KS

Job Ticket: 30326

DST#: 3

ATTN: Tim Pierce

Test Start: 2008.02.01 @ 23:35:43

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	OWCM 5%O 75%W 20%M	0.463
150.00	OWCM 5%O 25%W 70%M	1.703
30.00	Mud	0.421

Total Length: 243.00 ft Total Volume: 2.587 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6798

Inside

R & B Oil & Gas

13 31S 9W Harper KS

DST Test Number: 3

Pressure vs. Time

