

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

PO Box 195
Attica KS 67009

ATTN: Tim Pierce

34-30s-12w

Spicer #1-34-12

Start Date: 2006.02.23 @ 13:24:11

End Date: 2006.02.23 @ 20:00:26

Job Ticket #: 23522 DST #: 1

15-007-2 2975-00-00

R & B Oil and Gas

Spicer #1-34-12

34-30s-12w

DST # 1

Tarkio

2006.02.23

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

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

R & B Oil and Gas

PO Box 195
Attica KS 67009

ATTN: Tim Pierce

Spicer #1-34-12

34-30s-12w

Job Ticket: 23522

DST#: 1

Test Start: 2006.02.23 @ 13:24:11

GENERAL INFORMATION:

Formation: **Tarkio**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 15:57:26

Time Test Ended: 20:00:26

Test Type: **Conventional Bottom Hole**

Tester: **Davy Cline**

Unit No: **36**

Interval: **2771.00 ft (KB) To 2816.00 ft (KB) (TVD)**

Total Depth: **2816.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1644.00 ft (KB)**

1636.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: 6799

Inside

Press@RunDepth: **17.22 psig @ 2775.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2006.02.23**

End Date: **2006.02.23**

Last Calib.: **2006.02.23**

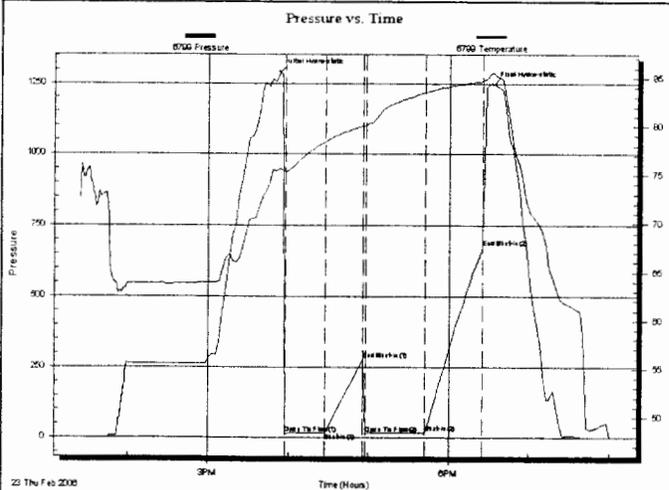
Start Time: **13:24:16**

End Time: **20:00:25**

Time On Btm: **2006.02.23 @ 15:52:56**

Time Off Btm: **2006.02.23 @ 18:32:41**

TEST COMMENT: IF: Fair blow . BOB 3 min. 45 sec.
IS: Bled off. No blow back.
FF: Fair blow . BOB Immediately.
FS: Bled off. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1289.08	75.57	Initial Hydro-static
5	14.32	75.36	Open To Flow (1)
34	17.98	78.37	Shut-In(1)
63	276.25	80.02	End Shut-In(1)
65	15.16	80.11	Open To Flow (2)
110	17.22	83.50	Shut-In(2)
153	672.42	84.70	End Shut-In(2)
160	1245.72	85.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	GCM 2%g 98%m	0.10

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

R & B Oil and Gas

Spicer #1-34-12

PO Box 195
Attica KS 67009

34-30s-12w

Job Ticket: 23522

DST#: 1

ATTN: Tim Pierce

Test Start: 2006.02.23 @ 13:24:11

Tool Information

Drill Pipe:	Length: 2766.00 ft	Diameter: 2.25 inches	Volume: 13.60 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 13.60 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	2771.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	66.00 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			2751.00	
Shut In Tool	5.00			2756.00	
Hydraulic tool	5.00			2761.00	
Packer	5.00			2766.00	21.00 Bottom Of Top Packer
Packer	5.00			2771.00	
Stubb	1.00			2772.00	
Perforations	2.00			2774.00	
Change Over Sub	1.00			2775.00	
Recorder	0.00	6799	Inside	2775.00	
Blank Spacing	31.00			2806.00	
Change Over Sub	1.00			2807.00	
Perforations	6.00			2813.00	
Recorder	0.00	13400	Outside	2813.00	
Bullnose	3.00			2816.00	45.00 Bottom Packers & Anchor

Total Tool Length: 66.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

R & B Oil and Gas

Spicer #1-34-12

PO Box 195
Attica KS 67009

34-30s-12w

Job Ticket: 23522

DST#: 1

ATTN: Tim Pierce

Test Start: 2006.02.23 @ 13:24:11

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: sec/qt

Cushion Volume:

bbbl

Water Loss: 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
20.00	GCM 2%g 98%m	0.098

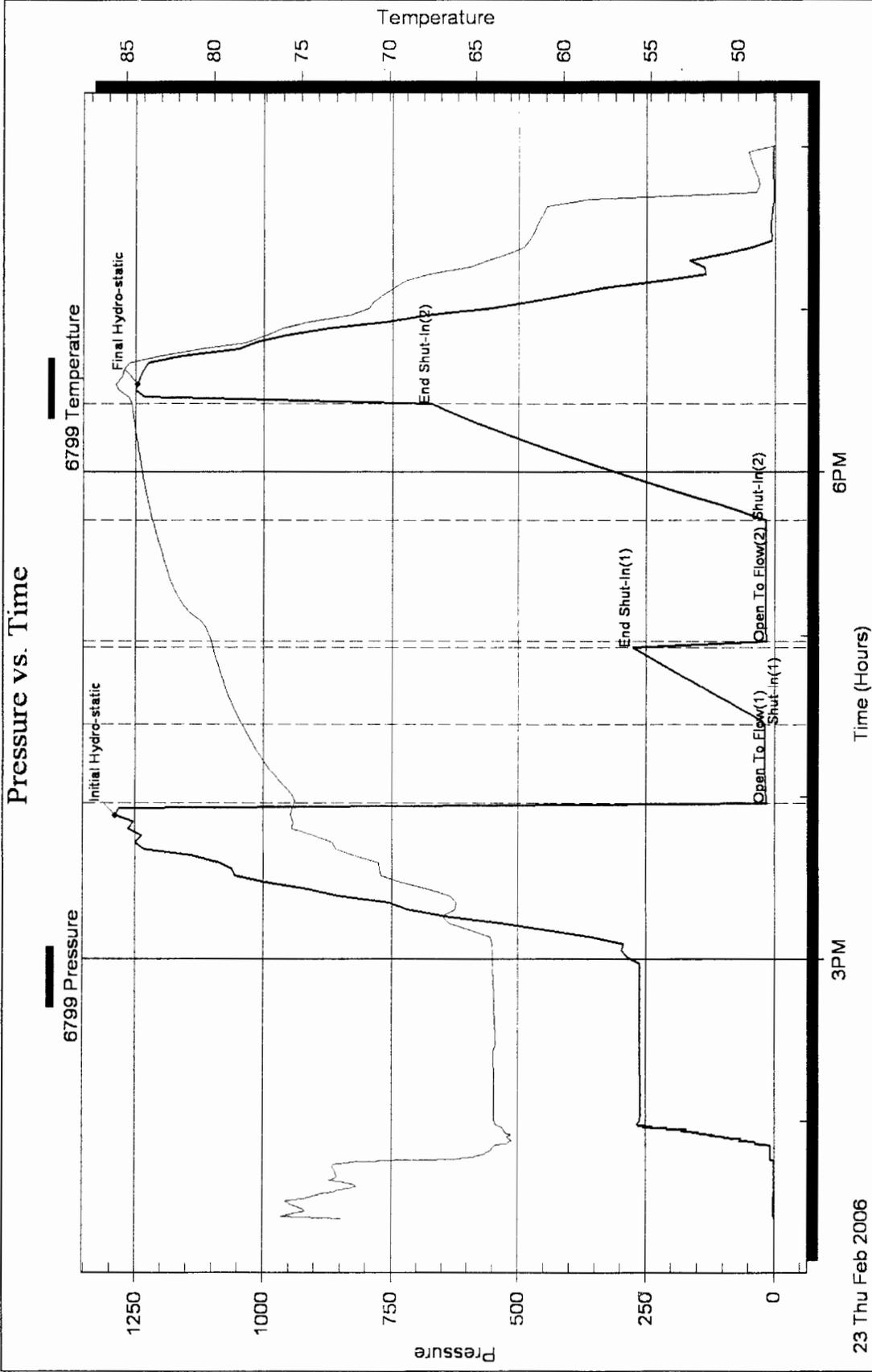
Total Length: 20.00 ft Total Volume: 0.098 bbl

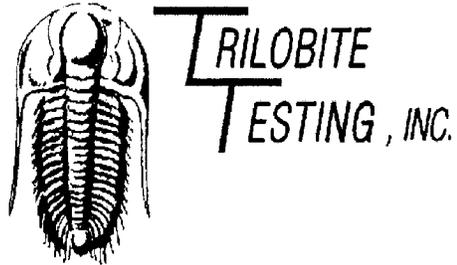
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: No Mud Check. Displaced right before test.

Pressure vs. Time





DRILL STEM TEST REPORT

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

PO Box 195
Attica KS 67009

ATTN: Tim Pierce

34-30s-12w

Spicer #1-34-12

Start Date: 2006.02.25 @ 01:23:06

End Date: 2006.02.25 @ 06:47:51

Job Ticket #: 23523 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 and Gas

Spicer #1-34-12

PO Box 195
Attica KS 67009

34-30s-12w

Job Ticket: 23523 **DST#: 2**

ATTN: Tim Pierce

Test Start: 2006.02.25 @ 01:23:06

GENERAL INFORMATION:

Formation: **Upper Douglas Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:56:21
 Time Test Ended: 06:47:51

Test Type: Conventional Bottom Hole
 Tester: Davy Cline
 Unit No: 36

Interval: **3522.00 ft (KB) To 3570.00 ft (KB) (TVD)**
 Total Depth: 2816.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1644.00 ft (KB)
 1636.00 ft (CF)
 KB to GR/CF: 8.00 ft

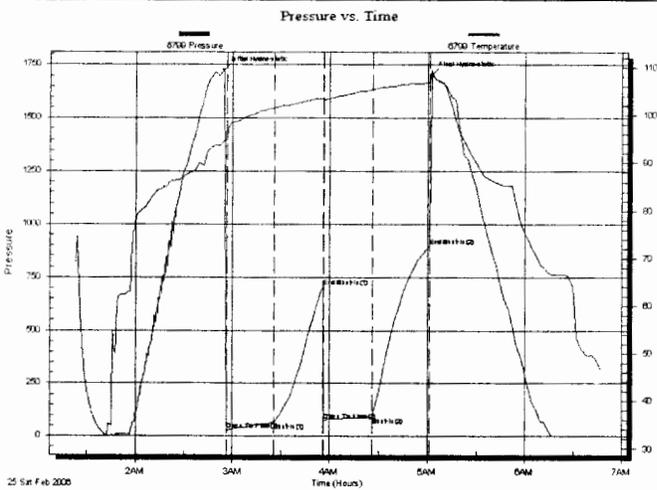
Serial #: 6799

Inside

Press@RunDepth: 91.67 psig @ 3526.00 ft (KB)
 Start Date: 2006.02.25 End Date: 2006.02.25
 Start Time: 01:23:11 End Time: 06:47:50

Capacity: 7000.00 psig
 Last Calib.: 2006.02.25
 Time On Btm: 2006.02.25 @ 02:54:21
 Time Off Btm: 2006.02.25 @ 05:01:51

TEST COMMENT: IF: Strong blow . BOB 30 sec.
 IS: Bled off. No blow back.
 FF: Strong blow . BOB 10 sec.
 FSI: Bled off. No blow back.



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1725.98	94.61	Initial Hydro-static
2	27.02	94.80	Open To Flow (1)
32	63.43	101.54	Shut-In(1)
62	704.65	103.50	End Shut-In(1)
62	74.54	103.31	Open To Flow (2)
92	91.67	105.34	Shut-In(2)
127	895.02	106.82	End Shut-In(2)
128	1704.66	109.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
123.00	GCM 2%g 98%m	0.60
62.00	G & WCM w / oil specs 10%g 45%w 45%o	0.30
0.00	2000' Gas in pipe.	0.00

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

R & B Oil and Gas

Spicer #1-34-12

PO Box 195
Attica KS 67009

34-30s-12w

Job Ticket: 23523

DST#: 2

ATTN: Tim Pierce

Test Start: 2006.02.25 @ 01:23:06

Tool Information

Drill Pipe:	Length: 3522.00 ft	Diameter: 2.25 inches	Volume: 17.32 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: 20000.00 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: 17.32 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3522.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 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
Change Over Sub	1.00			3502.00	
Shut In Tool	5.00			3507.00	
Hydraulic tool	5.00			3512.00	
Packer	5.00			3517.00	21.00 Bottom Of Top Packer
Packer	5.00			3522.00	
Stubb	1.00			3523.00	
Perforations	2.00			3525.00	
Change Over Sub	1.00			3526.00	
Recorder	0.00	6799	Inside	3526.00	
Blank Spacing	32.00			3558.00	
Change Over Sub	1.00			3559.00	
Perforations	8.00			3567.00	
Recorder	0.00	13400	Outside	3567.00	
Bullnose	3.00			3570.00	48.00 Bottom Packers & Anchor
Total Tool Length:	69.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

R & B Oil and Gas

Spicer #1-34-12

PO Box 195
Attica KS 67009

34-30s-12w

Job Ticket: 23523

DST#: 2

ATTN: Tim Pierce

Test Start: 2006.02.25 @ 01:23:06

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:

40000 ppm

Viscosity: 43.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 12000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
123.00	GCM 2%g 98%m	0.605
62.00	G & WCM w / oil specs 10%g 45%w 45%w	0.305
0.00	2000' Gas in pipe.	0.000

Total Length: 185.00ft

Total Volume: 0.910 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

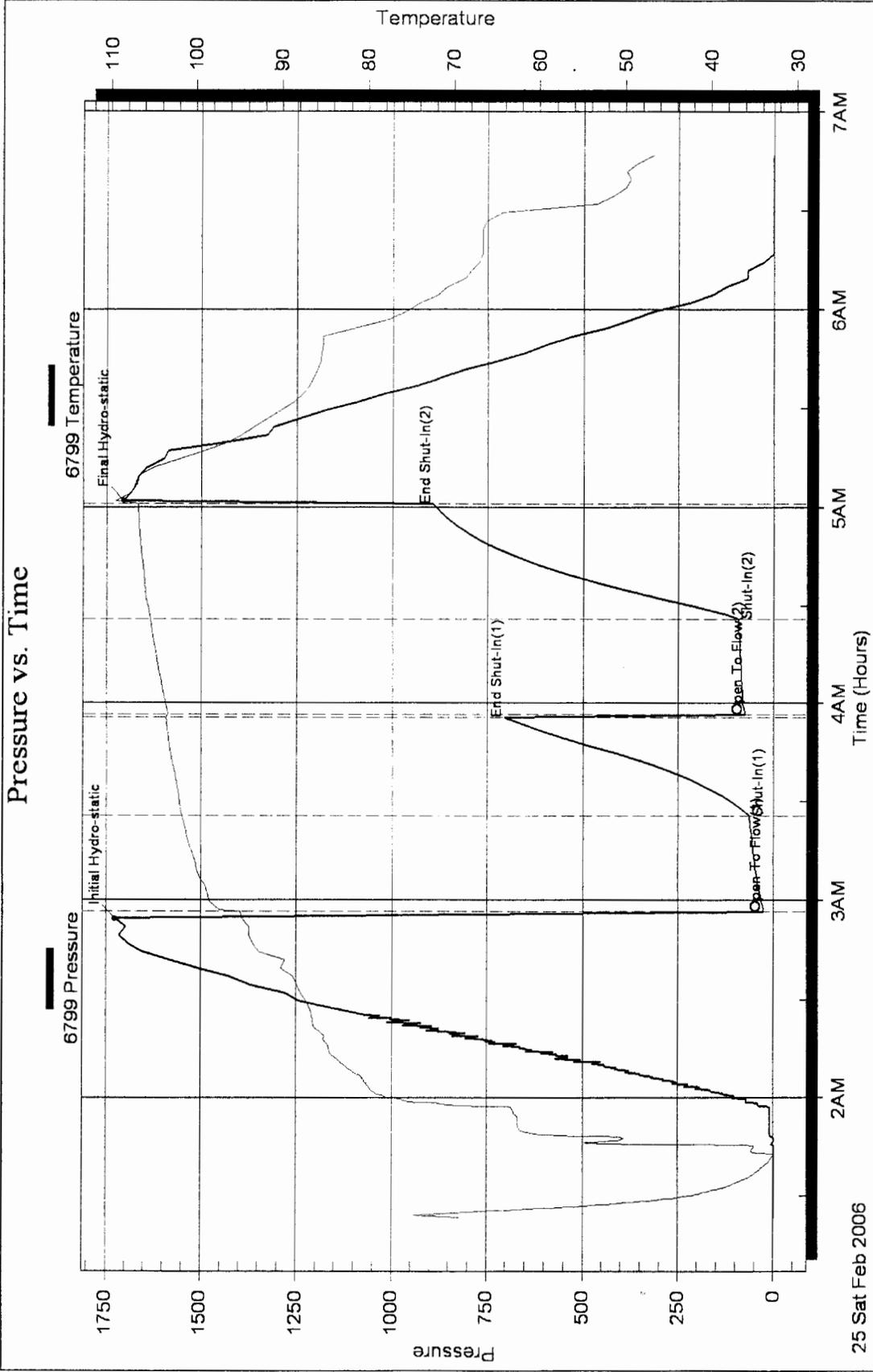
Serial #:

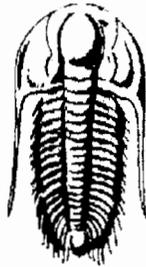
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





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DRILL STEM TEST REPORT

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

PO Box 195
Attica KS 67009

ATTN: Tim Pierce

34-30s-12w

Spicer #1-34-12

Start Date: 2006.02.25 @ 15:51:59

End Date: 2006.02.25 @ 22:02:29

Job Ticket #: 23524 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

R & B Oil and Gas

Spicer #1-34-12

34-30s-12w

DST # 3

Lower Douglas Sand

2006.02.25



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

R & B Oil and Gas

PO Box 195
Attica KS 67009

ATTN: Tim Pierce

Spicer #1-34-12

34-30s-12w

Job Ticket: 23524

DST#: 3

Test Start: 2006.02.25 @ 15:51:59

GENERAL INFORMATION:

Formation: **Lower Douglas Sand**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 17:17:14

Time Test Ended: 22:02:29

Test Type: **Conventional Bottom Hole**

Tester: **Davy Cline**

Unit No: **36**

Interval: **3653.00 ft (KB) To 3668.00 ft (KB) (TVD)**

Total Depth: **2816.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1644.00 ft (KB)**

1636.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: 6799

Inside

Press@RunDepth: **89.52 psig @ 3656.00 ft (KB)**

Start Date: **2006.02.25**

End Date:

2006.02.25

Capacity: **7000.00 psig**

Last Calib.: **2006.02.25**

Start Time: **15:52:04**

End Time:

22:02:28

Time On Btmr: **2006.02.25 @ 17:15:44**

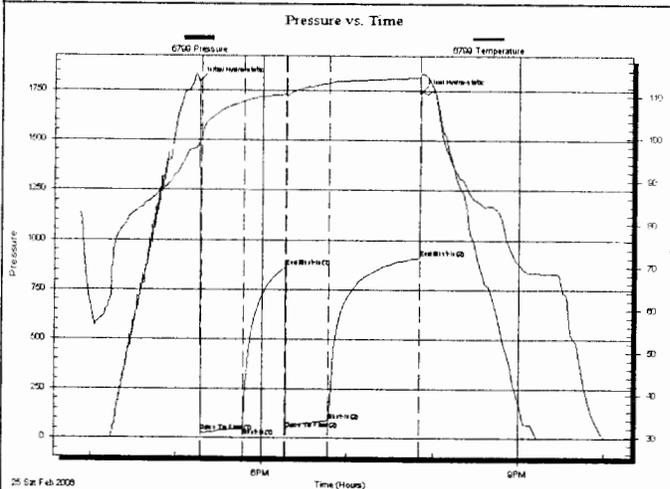
Time Off Btmr: **2006.02.25 @ 19:50:44**

TEST COMMENT: IF: Strong blow. BOB 10 sec. GTS 21 min. TSTM

IS: Bled off. No blow back.

FF: Strong blow. BOB immediately. Gas was TSTM

FS: Bled off. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1799.76	98.90	Initial Hydro-static
2	29.70	99.64	Open To Flow (1)
32	50.83	108.67	Shut-In(1)
61	865.84	110.36	End Shut-In(1)
62	44.34	109.81	Open To Flow (2)
92	89.52	112.90	Shut-In(2)
155	911.74	114.33	End Shut-In(2)
155	1739.58	115.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	WCM 30%w 70% m	0.20
125.00	MCW 92%w 8% m	0.61
0.00	Gas in all fluid free pipe.	0.00

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

R & B Oil and Gas

Spicer #1-34-12

PO Box 195
Attica KS 67009

34-30s-12w

Job Ticket: 23524

DST#: 3

ATTN: Tim Pierce

Test Start: 2006.02.25 @ 15:51:59

Tool Information

Drill Pipe:	Length: 3648.00 ft	Diameter: 2.25 inches	Volume: 17.94 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 17.94 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	3653.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	36.00 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			3633.00	
Shut In Tool	5.00			3638.00	
Hydraulic tool	5.00			3643.00	
Packer	5.00			3648.00	21.00 Bottom Of Top Packer
Packer	5.00			3653.00	
Stubb	1.00			3654.00	
Perforations	2.00			3656.00	
Recorder	0.00	6799	Inside	3656.00	
Perforations	9.00			3665.00	
Recorder	0.00	13400	Outside	3665.00	
Bullnose	3.00			3668.00	15.00 Bottom Packers & Anchor
Total Tool Length:	36.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

R & B Oil and Gas

Spicer #1-34-12

PO Box 195
Attica KS 67009

34-30s-12w

Job Ticket: 23524

DST#: 3

ATTN: Tim Pierce

Test Start: 2006.02.25 @ 15:51:59

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: 43.00 sec/qt	Cushion Volume: bbl		
Water Loss: 12.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 12000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	WCM 30%w 70%m	0.197
125.00	MCV 92%w 8%m	0.615
0.00	Gas in all fluid free pipe.	0.000

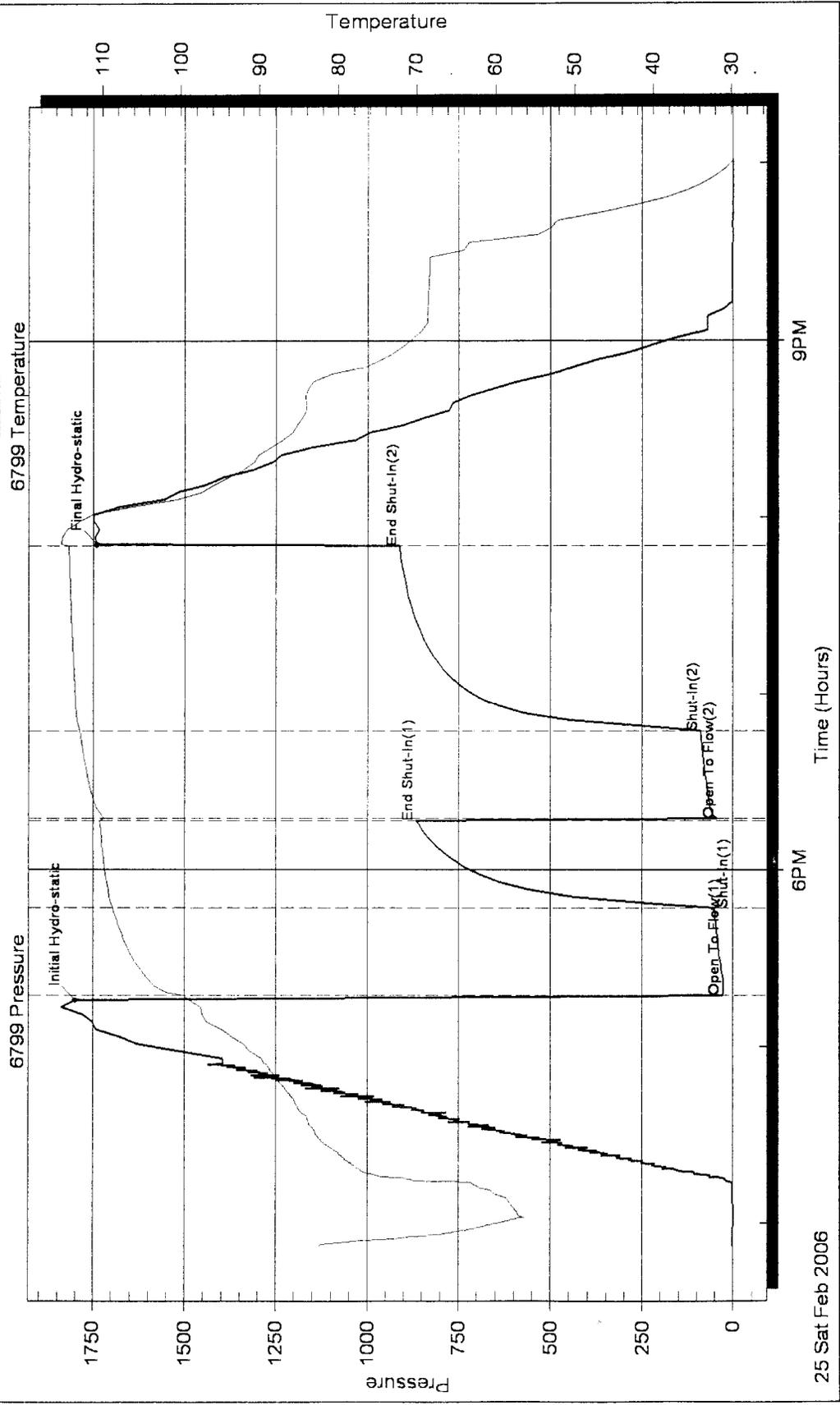
Total Length: 165.00 ft Total Volume: 0.812 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time



25 Sat Feb 2006

