

**TRILOBITE  
TESTING, INC.**

**CONFIDENTIAL  
FEB 06 2006  
KCC**

**DRILL STEM TEST REPORT**

Prepared For: **Tomco Oil Inc.**

P.O.Box280  
Douglass KS 67039

ATTN: Tom Blair

<sup>25</sup>  
~~10-35~~ **4E Cowley KS**

**Bacastow #1**

Start Date: 2005.12.17 @ 16:29:10

End Date: 2005.12.18 @ 00:46:25

Job Ticket #: 23444                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Tomco Oil Inc.

Bacastow #1

<sup>25</sup>  
~~10-35~~ 4E Cowley KS

DST # 1

Mississippi

2005.12.17



**TRILOBITE TESTING, INC.**

**DRILL STEM TEST REPORT**

Tomco Oil Inc.  
 P.O.Box280  
 Douglass KS 67039  
 ATTN: Tom Blair

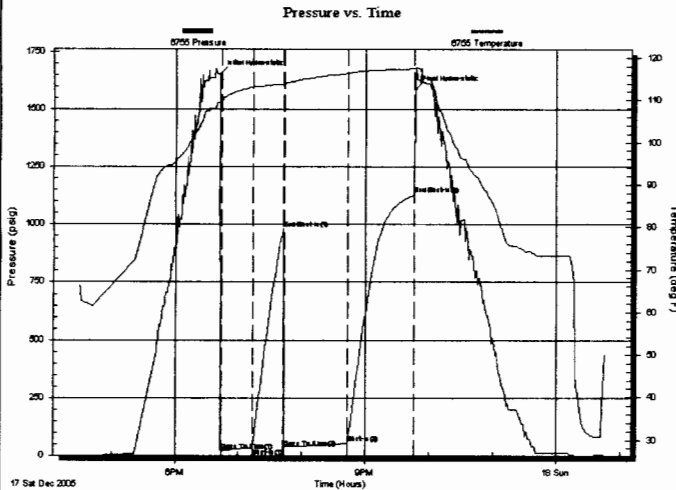
**Bacastow #1**  
**10-3S-4E Cowley KS**  
 Job Ticket: 23444      DST#: 1  
 Test Start: 2005.12.17 @ 16:29:10

**GENERAL INFORMATION:**

Formation: **Mississippi**  
 Deviated: **No** Whipstock:      ft (KB)  
 Test Type: **Conventional Bottom Hole**  
 Time Tool Opened: 18:43:55  
 Tester: **Gerald Adams**  
 Time Test Ended: 00:46:25  
 Unit No: **19**  
 Interval: **3264.00 ft (KB) To 3294.00 ft (KB) (TVD)**  
 Reference Elevations: **1171.00 ft (KB)**  
 Total Depth: **3294.00 ft (KB) (TVD)**  
**1163.00 ft (CF)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Poor**  
 KB to GRVCF: **8.00 ft**

**Serial #: 6755**      **Inside**  
 Press@RunDepth: **52.52 psig @ 3270.00 ft (KB)**      Capacity: **7000.00 psig**  
 Start Date: **2005.12.17**      End Date: **2005.12.18**      Last Calib.: **2005.12.18**  
 Start Time: **16:29:15**      End Time: **00:46:24**      Time On Btrn: **2005.12.17 @ 18:42:40**  
 Time Off Btrn: **2005.12.17 @ 21:46:55**

**TEST COMMENT:** F:Strong blow . B.O.B. in 2 mins.  
 IS:No blow .  
 FF:Strong blow . B.O.B. in 15 secs. GTS in 60 mins. T.S.T.M  
 FS:No blow .



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1653.39	109.39	Initial Hydro-static
2	19.44	109.51	Open To Flow (1)
32	32.86	113.11	Shut-In(1)
61	982.26	113.82	End Shut-In(1)
62	34.38	113.69	Open To Flow (2)
121	52.52	116.39	Shut-In(2)
184	1129.20	117.48	End Shut-In(2)
185	1587.70	117.52	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
70.00	G&OCM 25%g 5%o 70%em	0.34
0.00	2807' GIP	0.00
0.00		0.00

**Gas Rates**

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



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**TOOL DIAGRAM**

Tomco Oil Inc.  
P.O.Box280  
Douglass KS 67039  
ATTN: Tom Blair

**Bacastow #1**  
**10-3S-4E Cowley KS**  
Job Ticket: 23444      DST#: 1  
Test Start: 2005.12.17 @ 16:29:10

**Tool Information**

Drill Pipe:	Length: 2877.00 ft	Diameter: 3.80 inches	Volume: 40.36 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: 371.00 ft	Diameter: 2.25 inches	Volume: 1.82 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 42.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3264.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	50.00 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			3249.00	
Hydraulic tool	5.00			3254.00	
Packer	5.00			3259.00	20.00      Bottom Of Top Packer
Packer	5.00			3264.00	
Stubb	1.00			3265.00	
Perforations	5.00			3270.00	
Recorder	0.00	6755	Inside	3270.00	
Perforations	21.00			3291.00	
Recorder	0.00	11019	Outside	3291.00	
Bullnose	3.00			3294.00	30.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>50.00</b>				



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## DRILL STEM TEST REPORT

FLUID SUMMARY

Tomco Oil Inc.

Bacastow #1

P.O.Box280  
Douglass KS 67039

10-3S-4E Cowley KS

Job Ticket: 23444

DST#: 1

ATTN: Tom Blair

Test Start: 2005.12.17 @ 16:29:10

### 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:

1000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.48 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 0.20 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	G&OCM 25%g 5%o 70%m	0.344
0.00	2807' GIP	0.000
0.00		0.000

Total Length: 70.00 ft

Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6755

Inside

Tomco Oil Inc.

10-3S-4E Cow ley KS

DST Test Number: 1

### Pressure vs. Time

