



## DRILL STEM TEST REPORT

Prepared For: **Pickrell Drlg.Co.Inc.**

100 S.Main Ste.505  
Wichita Ks. 67202

ATTN: Jerry A.Smith

**3-32s-10w Barber Ks.**

**Champ-Rowe #2**

Start Date: 2005.06.25 @ 12:05:30

End Date: 2005.06.25 @ 23:18:00

Job Ticket #: 21715                      DST #: 1

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Pickrell Drlg. Co. Inc.

100 S. Main Ste. 505  
Wichita Ks. 67202

ATTN: Jerry A. Smith

**Champ-Rowe #2**

**3-32s-10w Barber Ks.**

Job Ticket: 21715

DST#: 1

Test Start: 2005.06.25 @ 12:05:30

## GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:55:00

Time Test Ended: 23:18:00

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Interval: **4395.00 ft (KB) To 4422.00 ft (KB) (TVD)**

Total Depth: 4422.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1538.00 ft (KB)

1533.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6755** Inside

Press@RunDepth: 97.17 psig @ 4396.00 ft (KB)

Start Date: 2005.06.25

End Date: 2005.06.25

Start Time: 12:05:35

End Time: 23:18:00

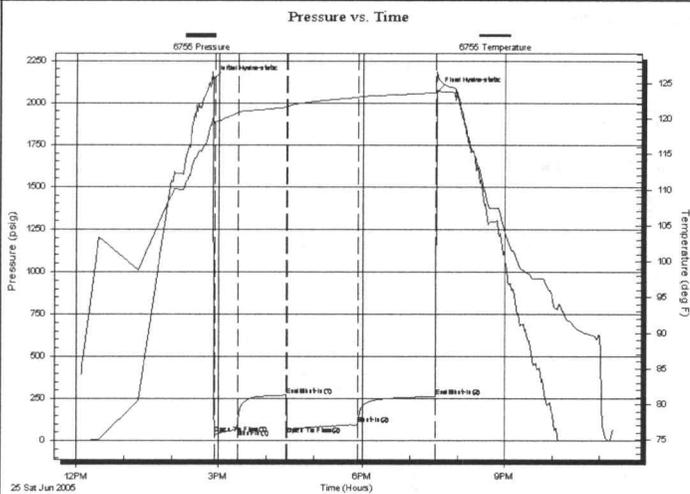
Capacity: 7000.00 psig

Last Calib.: 2005.06.25

Time On Btm: 2005.06.25 @ 14:52:30

Time Off Btm: 2005.06.25 @ 19:33:45

**TEST COMMENT:** IF: Strong blow . B.O.B. in 3 mins.  
IS: No blow .  
FF: Strong blow . B.O.B. in 15 secs. GTS in 23 mins. (see gas volume report)  
FS: Weak blow . 1/2 - 1".



## PRESSURE SUMMARY

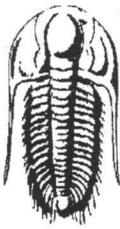
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2141.45	120.01	Initial Hydro-static
3	39.77	119.25	Open To Flow (1)
32	67.23	120.84	Shut-In(1)
94	271.18	121.63	End Shut-In(1)
94	35.84	121.55	Open To Flow (2)
183	97.17	123.00	Shut-In(2)
280	262.65	123.66	End Shut-In(2)
282	2070.45	126.00	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
122.00	MMV 16% m 84% w R <sub>w</sub> .18 ohms @ 89 d0.60	
133.00	GCM 15% g 85% m	0.75

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drig. Co. Inc.

**Champ-Rowe #2**

100 S. Main Ste. 505  
Wichita Ks. 67202

**3-32s-10w Barber Ks.**

Job Ticket: 21715

**DST#: 1**

ATTN: Jerry A. Smith

Test Start: 2005.06.25 @ 12:05:30

### Tool Information

Drill Pipe:	Length: 4140.00 ft	Diameter: 3.80 inches	Volume: 58.07 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: 244.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 59.27 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4395.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	47.00 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			4376.00	
Shut In Tool	5.00			4381.00	
Hydraulic tool	5.00			4386.00	
Packer	4.00			4390.00	20.00 Bottom Of Top Packer
Packer	5.00			4395.00	
Stubb	1.00			4396.00	
Recorder	0.00	6755	Inside	4396.00	
Perforations	21.00			4417.00	
Recorder	0.00	13222	Outside	4417.00	
Bullnose	5.00			4422.00	27.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>47.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Pickrell Drlg. Co. Inc.

**Champ-Rowe #2**

100 S. Main Ste. 505  
Wichita Ks. 67202

**3-32s-10w Barber Ks.**

Job Ticket: 21715

**DST#: 1**

ATTN: Jerry A. Smith

Test Start: 2005.06.25 @ 12:05:30

## 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:

31000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 15.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
122.00	MW 16% <i>m</i> 84% <i>w</i> Rw .18 ohms @ 89 deg.	0.600
133.00	GCM 15% <i>g</i> 85% <i>m</i>	0.754

Total Length: 255.00 ft

Total Volume: 1.354 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: gp-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:

Serial #: 6755

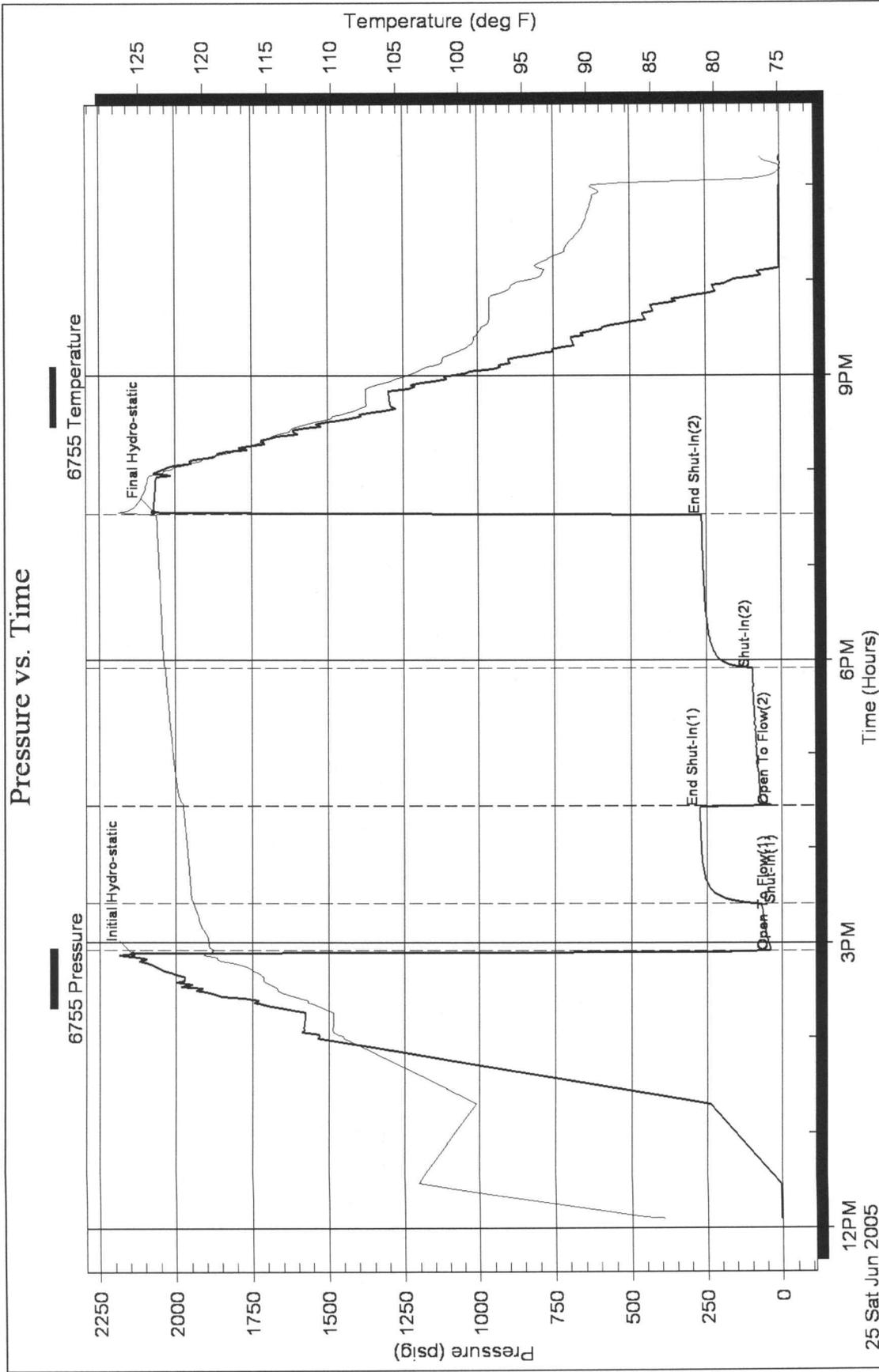
Inside

Pickrell Drig. Co. Inc.

3-32s-10w Barber Ks.

DST Test Number: 1

### Pressure vs. Time



**CHART PAGE**

This is a photocopy of the actual AK-1 recorder chart.

