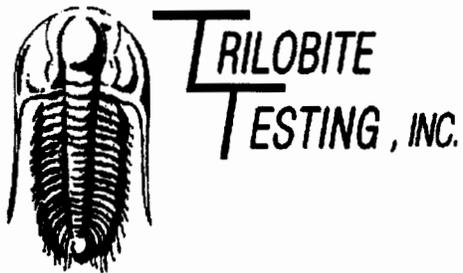


15-195-22531



**DRILL STEM TEST REPORT**

Prepared For: **Castelli Exploration**

6908 W 112th  
Oklahoma City OK 73162+2976

ATTN: Tisha Love

15-195-

**11 12S 22W Trego KS**

**Pearson-Brown # 1-11**

Start Date: 2008.03.01 @ 16:21:21

End Date: 2008.03.01 @ 23:33:21

Job Ticket #: 30203                      DST #: 1

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

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**APR 02 2008**

CONSERVATION DIVISION  
WICHITA, KS

Castelli Exploration

Pearson-Brown # 1-11

11 12S 22W Trego KS

DST # 1

Marmaton

2008.03.01



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Castelli Exploration  
6908 W 112th  
Oklahoma City OK 73162+2976  
  
ATTN: Tisha Love

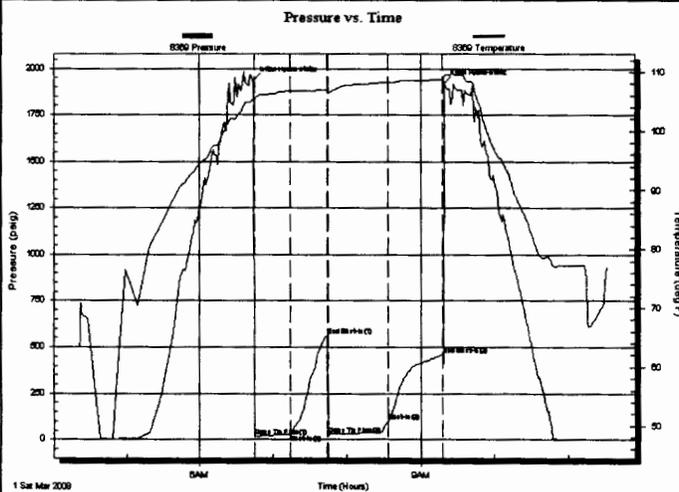
**Pearson-Brown # 1-11**  
**11 12S 22W Trego KS**  
Job Ticket: 30203      DST#: 1  
Test Start: 2008.03.01 @ 16:21:21

### GENERAL INFORMATION:

Formation: **Marmaton**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 18:44:21  
Time Test Ended: 23:33:21  
Interval: **3978.00 ft (KB) To 4010.00 ft (KB) (TVD)**  
Total Depth: 4010.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole  
Tester: John Schmidt  
Unit No: 31  
Reference Elevations: 2359.00 ft (KB)  
2354.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8369      Outside**  
Press@RunDepth: 99.59 psig @ 3982.00 ft (KB)      Capacity: 7000.00 psig  
Start Date: 2008.03.01      End Date: 2008.03.01      Last Calib.: 2008.03.01  
Start Time: 04:21:26      End Time: 11:33:20      Time On Btm: 2008.03.01 @ 06:43:51  
Time Off Btm: 2008.03.01 @ 09:19:21

**TEST COMMENT:** IF Weak built to 2.5 "  
ISI Dead  
FF Weak built to 2 "  
FSI Dead



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1936.07	105.23	Initial Hydro-static
1	16.42	104.33	Open To Flow (1)
30	28.41	106.73	Shut-In(1)
61	563.92	106.87	End Shut-In(1)
61	29.88	106.64	Open To Flow (2)
110	99.59	108.22	Shut-In(2)
154	459.44	108.73	End Shut-In(2)
156	1921.19	109.33	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
30.00	MCO 40%M 60%O	0.15
35.00	Clean O	0.17
70.00	GIP	0.47

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Castelli Exploration  
6908 W 112th  
Oklahoma City OK 73162+2976  
ATTN: Tisha Love

**Pearson-Brown # 1-11**  
**11 12S 22W Trego KS**  
Job Ticket: 30203      **DST#: 1**  
Test Start: 2008.03.01 @ 16:21:21

**Tool Information**

Drill Pipe:	Length: 3868.00 ft	Diameter: 3.80 inches	Volume: 54.26 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 72000.00 lb
		<b>Total Volume:</b>	<b>54.86 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	3978.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.00 ft			
Tool Length:	52.00 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			3959.00	
Shut In Tool	5.00			3964.00	
Hydraulic tool	5.00			3969.00	
Packer	4.00			3973.00	20.00      Bottom Of Top Packer
Packer	5.00			3978.00	
Stubb	1.00			3979.00	
Perforations	3.00			3982.00	
Recorder	0.00	8369	Outside	3982.00	
Recorder	0.00	6669	Inside	3982.00	
Perforations	25.00			4007.00	
Bullnose	3.00			4010.00	32.00      Bottom Packers & Anchor

**Total Tool Length: 52.00**

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CONSERVATION DIVISION  
WICHITA, KS



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Castelli Exploration  
6908 W 112th  
Oklahoma City OK 73162+2976  
ATTN: Tisha Love

**Pearson-Brown # 1-11**  
**11 12S 22W Trego KS**  
Job Ticket: 30203      **DST#: 1**  
Test Start: 2008.03.01 @ 16:21:21

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 32 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.98 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: ppm		
Filter Cake: inches		

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	MCO 40%M 60%O	0.148
35.00	Clean O	0.172
70.00	GIP	0.472

Total Length: 135.00 ft      Total Volume: 0.792 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments: On Location@8:00 PM Rig Stuck in Sand w ent home @11:30 PM 2-29-08  
Back@3:45 AM 3-1-08 test

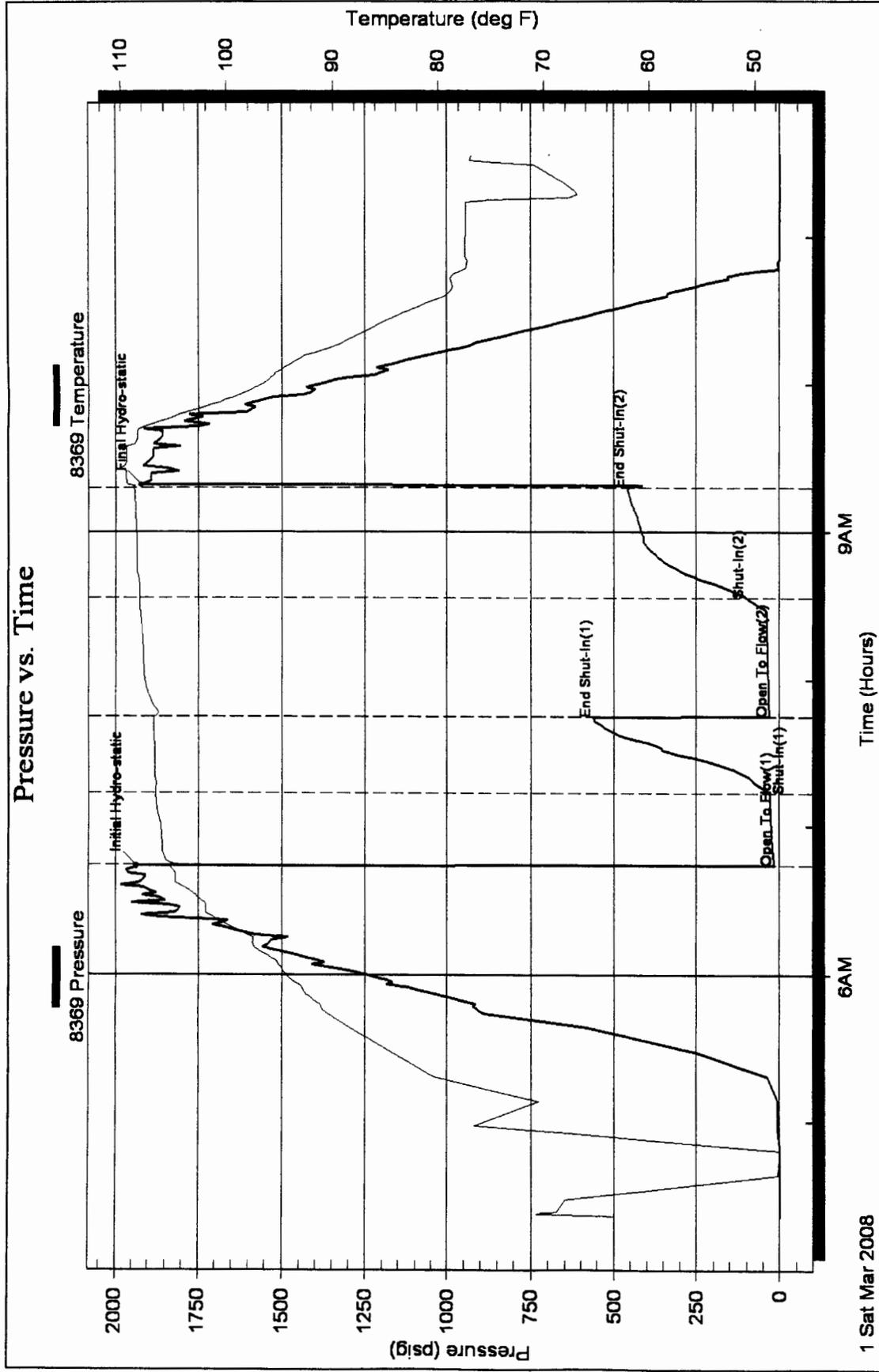
Serial #: 8369

Outside Castelli Exploration

11 12S22W Trego KS

DST Test Number: 1

### Pressure vs. Time



1 Sat Mar 2008

6AM

Time (Hours)

9AM

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Ref. No. 30203

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