

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Val Energy Inc**

200 W Douglas #520
Wichita Ks 67202

ATTN: Todd Allam

S/a SWSE

8-33s-12w Barber

Springer/Bartholow #1

Start Date: 2005.12.16 @ 05:22:44

End Date: 2005.12.16 @ 13:44:43

Job Ticket #: 22745 DST #: 1

**RECEIVED
KANSAS CORPORATION COMMISSION
MAR 07 2006**

**CONSERVATION DIVISION
WICHITA, KS**

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Val Energy Inc

Springer/Bartholow #1

8-33s-12w Barber

DST # 1

Simpson Sd

2005.12.16

*8-33s-12w
APR 15 2007 20952*

**CONFIDENTIAL
MAR 06 2006
KCC**



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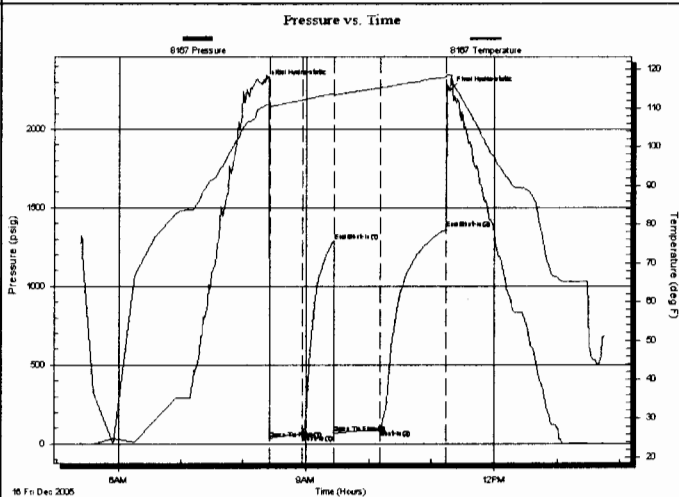
GENERAL INFORMATION:

Formation: **Simpson Sd**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole**
 Time Tool Opened: 08:25:13 Tester: **Ray Schwager**
 Time Test Ended: 13:44:43 Unit No: **28**

Interval: **4745.00 ft (KB) To 4850.00 ft (KB) (TVD)** Reference Elevations: **1536.00 ft (KB)**
 Total Depth: **4850.00 ft (KB) (TVD)** **1526.00 ft (CF)**
 Hole Diameter: **7.85 inches** Hole Condition: **Poor** KB to GR/CF: **10.00 ft**

Serial #: 8167 **Inside**
 Press@RunDepth: **91.36 psig @ 4746.01 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2005.12.16** End Date: **2005.12.16** Last Calib.: **2005.12.16**
 Start Time: **05:22:44** End Time: **13:44:43** Time On Btm: **2005.12.16 @ 08:17:43**
 Time Off Btm: **2005.12.16 @ 11:17:43**

TEST COMMENT: FFP-w k bl thru-out 1/4"to 1/2"bl
 FFP-surface bl
 Times 30-30-45-60



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2291.49	110.28	Initial Hydro-static
8	31.73	110.49	Open To Flow (1)
39	61.44	112.08	Shut-In(1)
69	1288.76	113.75	End Shut-In(1)
69	64.99	113.10	Open To Flow (2)
113	91.36	115.22	Shut-In(2)
176	1363.39	118.02	End Shut-In(2)
180	2248.03	118.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Mud w/show of oil	0.59

Gas Rates

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



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TOOL DIAGRAM

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8-33s-12w Barber
Job Ticket: 22745 **DST#: 1**
Test Start: 2005.12.16 @ 05:22:44

Tool Information

Drill Pipe:	Length: 4493.00 ft	Diameter: 3.80 inches	Volume: 63.02 bbl	Tool Weight: 2500.00 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: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 64.20 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4745.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	105.02 ft			
Tool Length:	133.02 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			4718.00	
Shut In Tool	5.00			4723.00	
Hydraulic tool	5.00			4728.00	
Jars	5.00			4733.00	
Safety Joint	2.00			4735.00	
Packer	5.00			4740.00	28.00 Bottom Of Top Packer
Packer	5.00			4745.00	
Stubb	1.00			4746.00	
Recorder	0.01	8167	Inside	4746.01	
Perforations	8.00			4754.01	
Blank Spacing	93.00			4847.01	
Recorder	0.01	13534	Outside	4847.02	
Bullnose	3.00			4850.02	105.02 Bottom Packers & Anchor

Total Tool Length: 133.02



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FLUID SUMMARY

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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: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.57 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Mud w/show of oil	0.590

Total Length: 120.00 ft Total Volume: 0.590 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Springer/Bartholow #1
8-33s-12w Barber

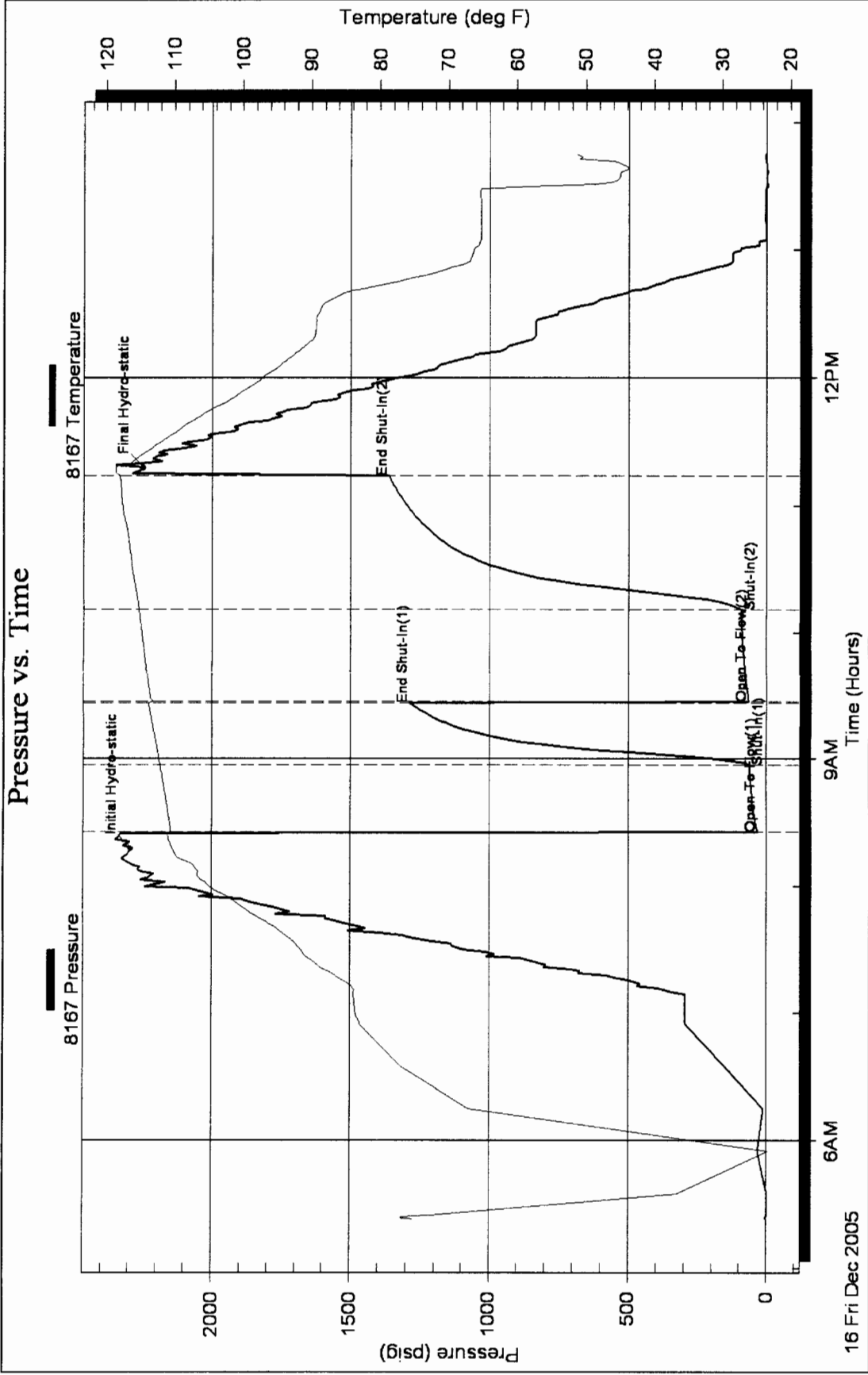
DST Test Number: 1

Val Energy Inc

Inside

Serial #: 8167

Pressure vs. Time



16 Fri Dec 2005

6AM

9AM

12PM