

**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy LLC**

150 N Main Ste 801  
Wichita KS 67202

ATTN: Monica Turner

**13 19 26 Lane KS**

**Ayers #1-13**

Start Date: 2007.03.23 @ 11:35:24

End Date: 2007.03.23 @ 21:57:49

Job Ticket #: 26448                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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TESTING, INC**

# DRILL STEM TEST REPORT

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Test Start: 2007.03.23 @ 11:35:24

## GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:19:19

Time Test Ended: 21:57:49

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 40

Interval: **4593.00 ft (KB) To 4605.00 ft (KB) (TVD)**

Total Depth: 4605.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2627.00 ft (KB)

2622.00 ft (CF)

KB to GR/CF: 5.00 ft

## Serial #: 6667

Press@RunDepth: 282.95 psig @ 4594.00 ft (KB)

Start Date: 2007.03.23

End Date:

2007.03.23

Capacity: 7000.00 psig

Last Calib.: 2007.03.23

Start Time: 11:35:24

End Time:

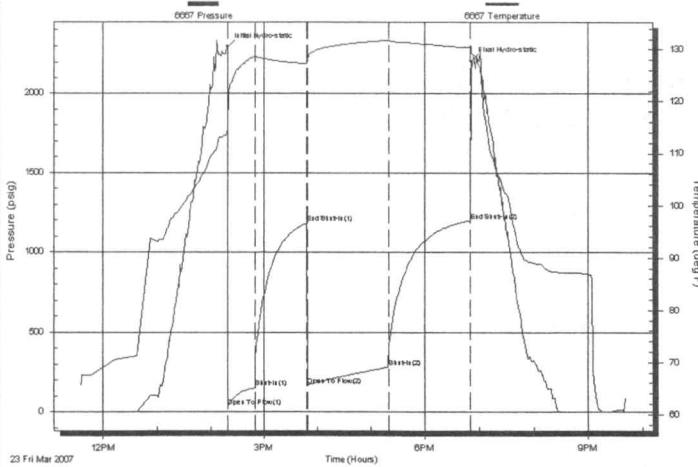
21:41:49

Time On Btm: 2007.03.23 @ 14:18:49

Time Off Btm: 2007.03.23 @ 18:50:48

TEST COMMENT: BOB in 10 min.  
2" return blow died back to 1"  
BOB in 9 min  
1/4" return blow died in 40 min.

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2295.61	114.38	Initial Hydro-static
1	30.19	114.99	Open To Flow (1)
31	152.55	128.68	Shut-In(1)
90	1182.65	127.23	End Shut-In(1)
90	166.72	127.89	Open To Flow (2)
181	282.95	131.76	Shut-In(2)
272	1199.46	130.37	End Shut-In(2)
272	2208.02	130.60	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	SGMCW 10%G 10%M 80%W	0.30
60.00	GSO & WCM 20%G 5%O 30%W 45%M	0.30
580.00	CGO 25%G 75%O	6.41
0.00	400' GIP	0.00

## Gas Rates

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



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**TOOL DIAGRAM**

Abercrombie Energy LLC

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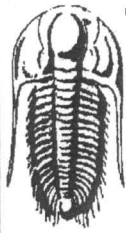
Test Start: 2007.03.23 @ 11:35:24

**Tool Information**

Drill Pipe:	Length: 4287.00 ft	Diameter: 3.80 inches	Volume: 60.14 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: 310.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 61.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4593.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	33.00 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			4577.00	
Hydraulic tool	5.00			4582.00	
Safety Joint	2.00			4584.00	
Packer	5.00			4589.00	21.00 Bottom Of Top Packer
Packer	4.00		Inside	4593.00	
Stubb	1.00			4594.00	
Recorder	0.00	6667		4594.00	
Perforations	6.00			4600.00	
Recorder	0.00	11058		4600.00	
Bullnose	5.00			4605.00	12.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>33.00</b>				



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**FLUID SUMMARY**

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**13 19 26 Lane KS**

Job Ticket: 26448

**DST#: 1**

ATTN: Monica Turner

Test Start: 2007.03.23 @ 11:35:24

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 38 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 52000 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.98 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3100.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	SGMCW 10%G 10%M 80%W	0.295
60.00	GSO & WCM 20%G 5%O 30%W 45%M	0.295
580.00	CGO 25%G 75%O	6.405
0.00	400' GIP	0.000

Total Length: 700.00 ft      Total Volume: 6.995 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

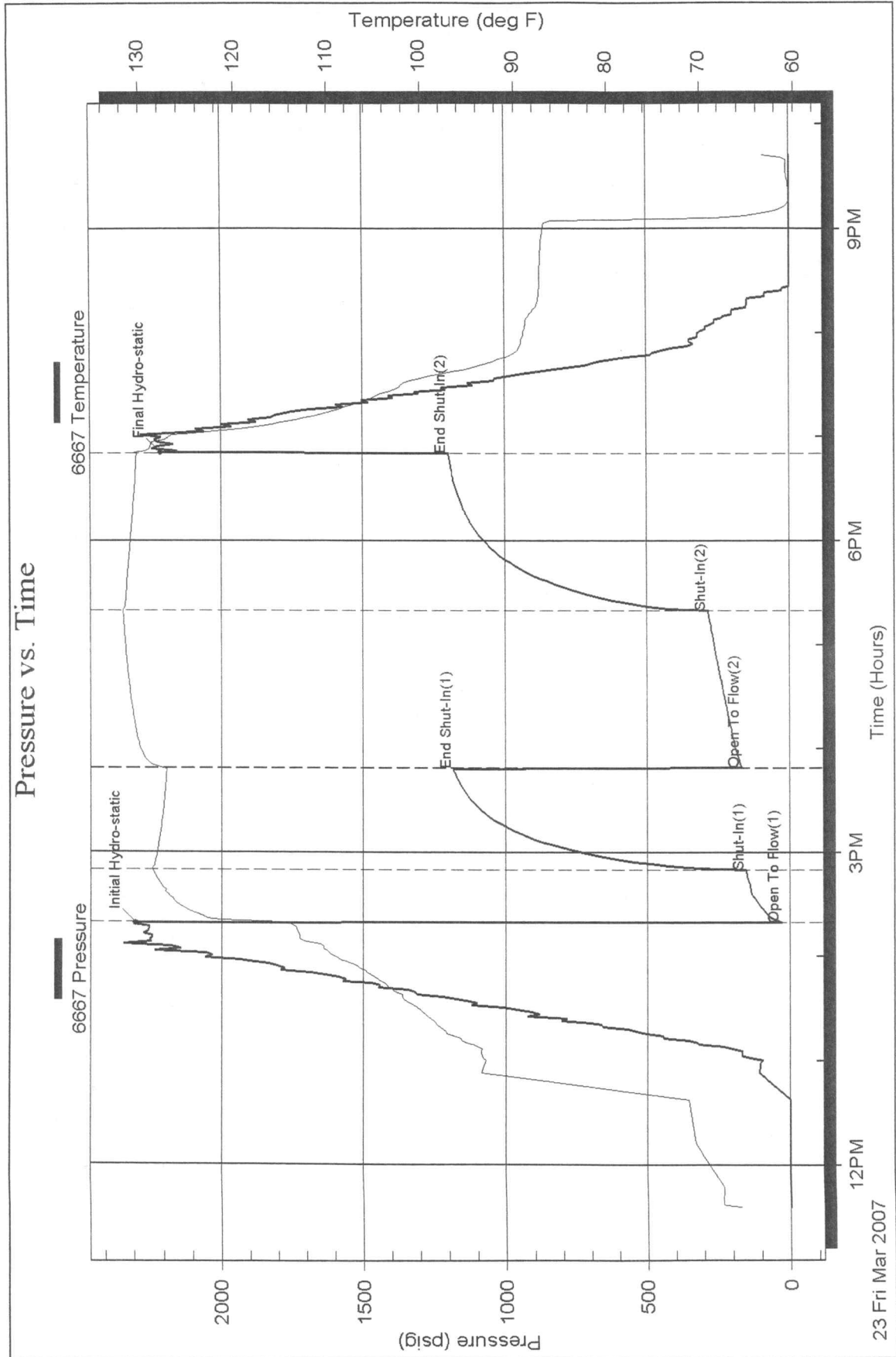
Serial #: 6667

Abercrombie Energy LLC

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DST Test Number: 1

### Pressure vs. Time



23 Fri Mar 2007

Trilobite Testing, Inc

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

