

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Keith F. Walker Oil & Gas Co., LLC**

PO Box 1725
Ardmore OK 73401

ATTN: Barry Jones

7 33S 25W Clark KS

Idun 7-#1

Start Date: 2009.12.13 @ 06:30:30

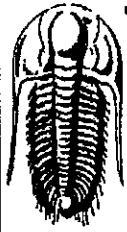
End Date: 2009.12.13 @ 16:32:45

Job Ticket #: 37572 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



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DST#: 2

Test Start: 2009.12.13 @ 06:30:30

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock ft (KB)

Time Tool Opened: 10:50:20

Time Test Ended: 16:32:45

Test Type: Conventional Bottom Hole

Tester: Mike Slemp

Unit No: 28

Interval: **5115.00 ft (KB) To 5145.00 ft (KB) (TVD)**

Reference Elevations: 2169.00 ft (KB)

Total Depth: 5145.00 ft (KB) (TVD)

2157.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 6751

Inside

Press@RunDepth: 39.87 psig @ 5117.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2009.12.13

End Date:

2009.12.13

Last Calib.:

2009.12.13

Start Time: 06:30:31

End Time:

16:32:45

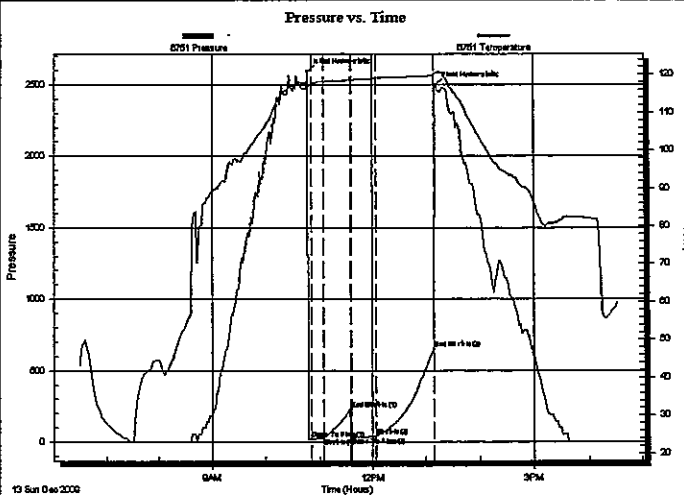
Time On Btm:

2009.12.13 @ 10:47:00

Time Off Btm:

2009.12.13 @ 13:10:45

TEST COMMENT: IF- Weak building blow, 8 inches in 15 min
ISI No blow back
FF- Weak building blow, 7 inches in 30 min
FSI- No blow back



PRESSURE SUMMARY

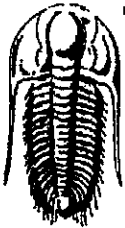
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2587.14	117.79	Initial Hydro-static
4	19.89	117.19	Open To Flow (1)
19	27.85	118.15	Shut-in (1)
48	231.89	118.45	End Shut-in (1)
50	32.74	118.36	Open To Flow (2)
78	39.87	119.03	Shut-in (2)
143	652.94	119.77	End Shut-in (2)
144	2492.13	120.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	100% mud	0.15

Gas Rates

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



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TOOL DIAGRAM

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7 33S 25W Clark KS

Job Ticket: 37572 DST#: 2

ATTN: Barry Jones

Test Start: 2009.12.13 @ 06:30:30

Tool Information

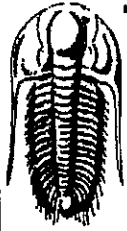
Drill Pipe:	Length: 4729.00 ft	Diameter: 3.80 inches	Volume: 66.34 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 384.00 ft	Diameter: 2.25 inches	Volume: 1.89 bbl	Weight to Pull Loose: 76000.00 lb
			<u>Total Volume: 68.23 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	5115.00 ft			Final 76000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	60.00 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			5086.00	
Shut In Tool	5.00			5091.00	
Sampler	3.00			5094.00	
Hydraulic tool	5.00			5099.00	
Jars	5.00			5104.00	
Safety Joint	2.00			5106.00	
Packer - Shale	5.00		Fluid	5111.00	
Packer	4.00			5115.00	30.00 Bottom Of Top Packer
Stubb	1.00			5116.00	
Perforations	1.00			5117.00	
Recorder	0.00	6751	inside	5117.00	
Recorder	0.00	8321	inside	5117.00	
Perforations	25.00			5142.00	
Bullnose	3.00			5145.00	30.00 Anchor Tool

Total Tool Length: 60.00



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FLUID SUMMARY

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7 33S 25W Clark KS

Job Ticket: 37572 **DST#: 2**

ATTN: Barry Jones

Test Start: 2009.12.13 @ 06:30:30

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:

14000 ppm

Viscosity: 40.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	100% mud	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

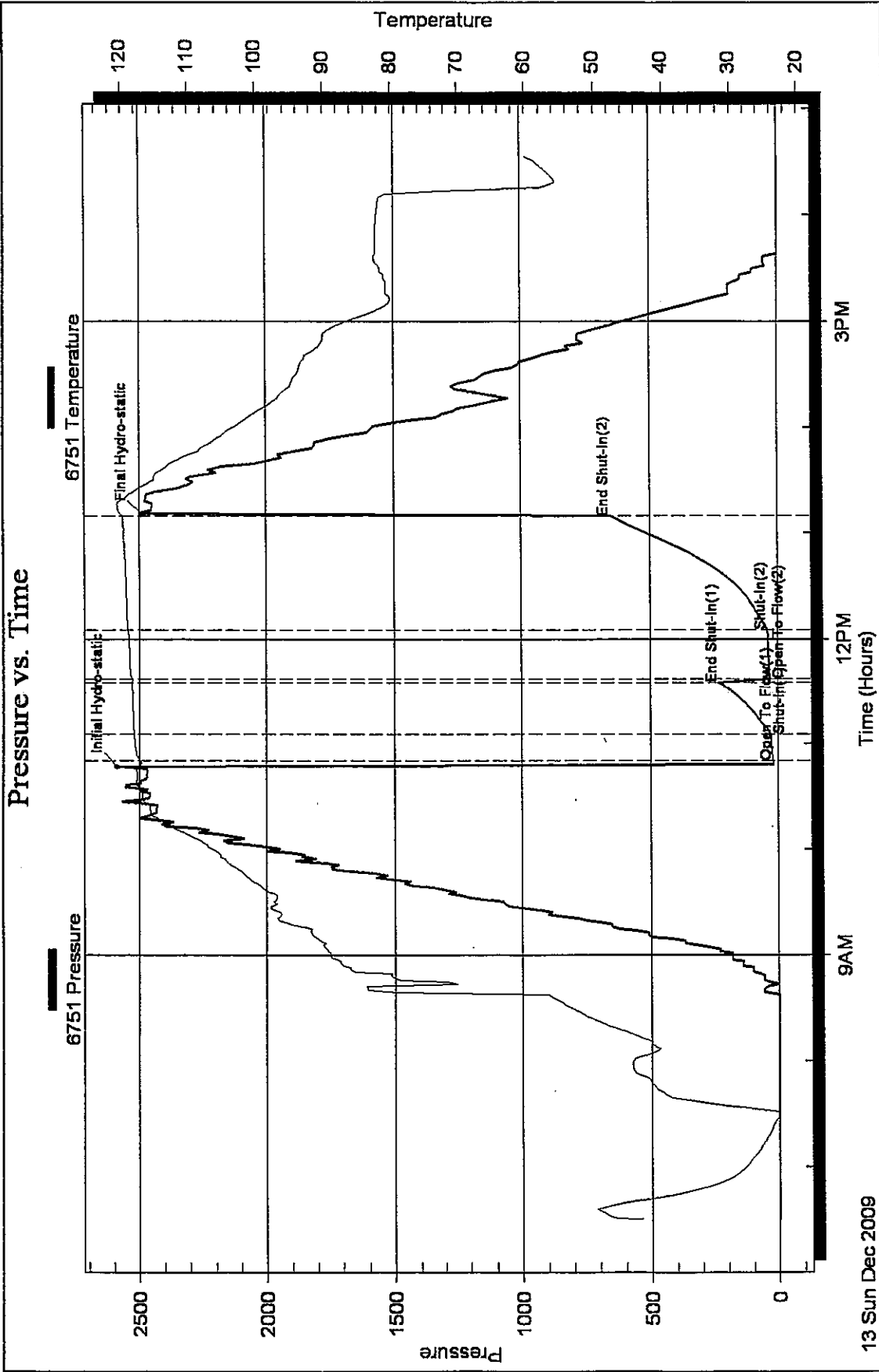
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .5 @ 64F = 14000 chlorides

Pressure vs. Time



13 Sun Dec 2009

9AM

12PM

3PM

Time (Hours)