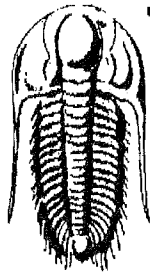


15-065-23097

8-8s-22w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Russell Oil**

PO Box 1469
Plainfield IL 60544

ATTN: Todd Morgenstern

8-8-22w-Graham

Melanie Davis #1-8

Start Date: 2005.09.30 @ 22:39:55

End Date: 2005.10.01 @ 05:32:55

Job Ticket #: 23690 DST #: 1

15-065-23097-00-00

Russell Oil

Melanie Davis #1-8

8-8-22w-Graham

DST # 1

Lansing

2005.09.30

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

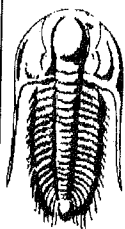
ph: 785-625-4778 fax: 785-625-5620

Printed: 2005.10.19 @ 10:32:43 Page 1

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Russell Oil

PO Box 1469
Plainfield IL 60544

ATTN: Todd Morgenstern

Melanie Davis #1-8

8-8-22w-Graham

Job Ticket: 23690

DST#: 1

Test Start: 2005.09.30 @ 22:39:55

GENERAL INFORMATION:

Formation: **Lansing**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 00:31:10

Time Test Ended: 05:32:55

Test Type: **Conventional Bottom Hole**

Tester: **Joe**

Unit No: **13**

Interval: **3438.00 ft (KB) To 3464.00 ft (KB) (TVD)**

Total Depth: **3464.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Fair**

Reference Elevations: **2128.00 ft (KB)**

2123.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6751

Inside

Press@RunDepth: **204.20 psig @ 3439.00 ft (KB)**

Start Date: **2005.09.30**

End Date:

2005.10.01

Start Time: **22:39:57**

End Time:

05:32:55

Capacity: **7000.00 psig**

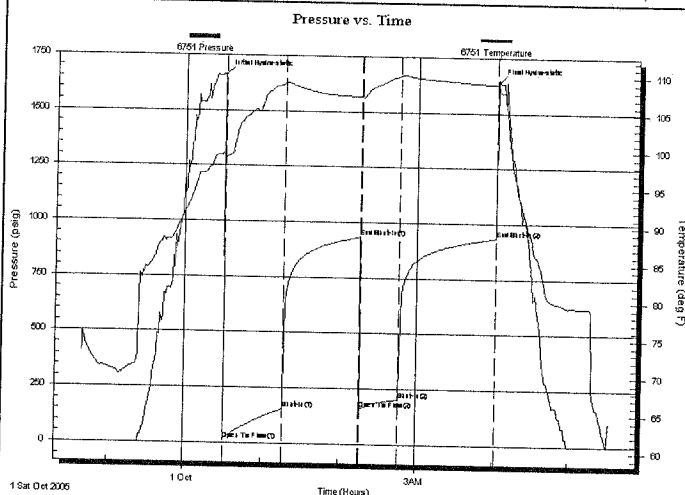
Last Calib.: **2005.10.01**

Time On Btm: **2005.10.01 @ 00:30:55**

Time Off Btm: **2005.10.01 @ 04:02:55**

TEST COMMENT: IF-Fair blow built to BOB in 34 min
FF-Fair blow built to 6.5'in

ISI-No Blow back
FSI-N



PRESSURE SUMMARY

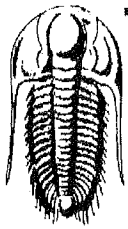
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1661.07	99.44	Initial Hydro-static
1	13.29	99.02	Open To Flow (1)
46	156.02	108.86	Shut-In(1)
105	933.29	107.20	End Shut-In(1)
106	159.56	107.08	Open To Flow (2)
136	204.20	110.06	Shut-In(2)
211	933.79	108.95	End Shut-In(2)
212	1641.66	108.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	clean oil	0.02
392.00	muddy w ater 30%M70%WV	2.10

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil

Melanie Davis #1-8

PO Box 1469
Plainfield IL 60544

8-8-22w-Graham

Job Ticket: 23690

DST#: 1

ATTN: Todd Morgenstern

Test Start: 2005.09.30 @ 22:39:55

Tool Information

Drill Pipe: Length: 3070.00 ft Diameter: 3.80 inches Volume: 43.06 bbl
Heavy Wt. Pipe: Length: 377.00 ft Diameter: 2.25 inches Volume: 1.85 bbl
Drill Collar: Length: 0.00 ft Diameter: 2.25 inches Volume: 0.00 bbl
Total Volume: 44.91 bbl

Drill Pipe Above KB: 29.00 ft
Depth to Top Packer: 3438.00 ft
Depth to Bottom Packer: ft
Interval between Packers: 26.00 ft
Tool Length: 46.00 ft
Number of Packers: 2 Diameter: 6.75 inches
Tool Comments:

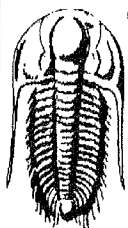
Tool Weight: 2000.00 lb
Weight set on Packer: 25000.00 lb
Weight to Pull Loose: 60000.00 lb
Tool Chased 0.00 ft
String Weight: Initial 38000.00 lb
Final 42000.00 lb

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3423.00	
Hydraulic tool	5.00			3428.00	
Packer	5.00			3433.00	20.00 Bottom Of Top Packer
Packer	5.00			3438.00	
Stubb	1.00			3439.00	
Recorder	0.00	6751	Inside	3439.00	
Perforations	22.00			3461.00	
Recorder	0.00	13548	Inside	3461.00	
Bullnose	3.00			3464.00	26.00 Bottom Packers & Anchor
Total Tool Length:	46.00				

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil

Melanie Davis #1-8

PO Box 1469
Plainfield IL 60544

8-8-22w-Graham

Job Ticket: 23690

DST#: 1

ATTN: Todd Morgenstern

Test Start: 2005.09.30 @ 22:39:55

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:

4600 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4.00	clean oil	0.020
392.00	muddy water 30%M/70%W	2.101

Total Length: 396.00 ft

Total Volume: 2.121 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

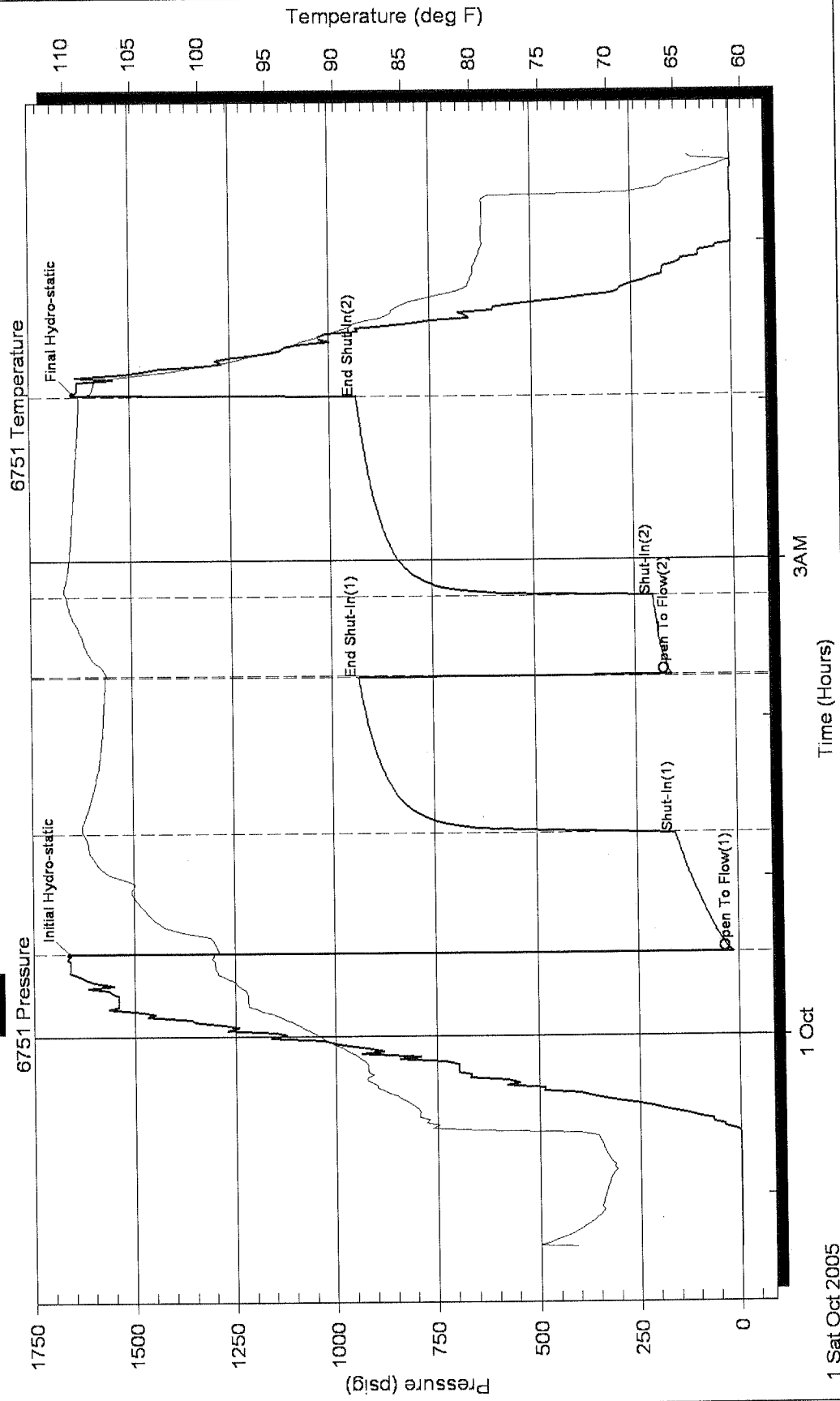
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



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