

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Russell Oil Inc**

P O Box 1469
Plainfield IL 60544

ATTN: Leroy Holt II

24-8s-23w Graham

Law C #1-24

Start Date: 2005.06.06 @ 22:38:29

End Date: 2005.06.07 @ 05:37:58

Job Ticket #: 22673 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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SEP 06 2005

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Russell Oil Inc

Law C #1-24

24-8s-23w Graham

DST # 1

LKC

2005.06.06



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil Inc

Law C #1-24

P O Box 1469
Plainfield IL 60544

24-8s-23w Graham

Job Ticket: 22673

DST#: 1

ATTN: Leroy Holt II

Test Start: 2005.06.06 @ 22:38:29

Tool Information

Drill Pipe:	Length: 3259.00 ft	Diameter: 3.80 inches	Volume: 45.72 bbl	Tool Weight: 2200.00 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 46.61 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3455.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.02 ft			
Tool Length:	63.02 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			3435.00	
Shut In Tool	5.00			3440.00	
Hydraulic tool	5.00			3445.00	
Packer	5.00			3450.00	21.00 Bottom Of Top Packer
Packer	5.00			3455.00	
Stubb	1.00			3456.00	
Perforations	8.00			3464.00	
Recorder	0.01	8167	Inside	3464.01	
Perforations	30.00			3494.01	
Recorder	0.01	13534	Outside	3494.02	
Bullnose	3.00			3497.02	42.02 Bottom Packers & Anchor

Total Tool Length: 63.02

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Inc

Law C #1-24

P O Box 1469
Plainfield IL 60544

24-8s-23w Graham

Job Ticket: 22673

DST#: 1

ATTN: Leroy Holt II

Test Start: 2005.06.06 @ 22:38:29

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:

57000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.93 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	MV 25%M 75%W w/show of oil	0.443
240.00	Water RW.14@66F	2.547

Total Length: 330.00 ft

Total Volume: 2.990 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8167

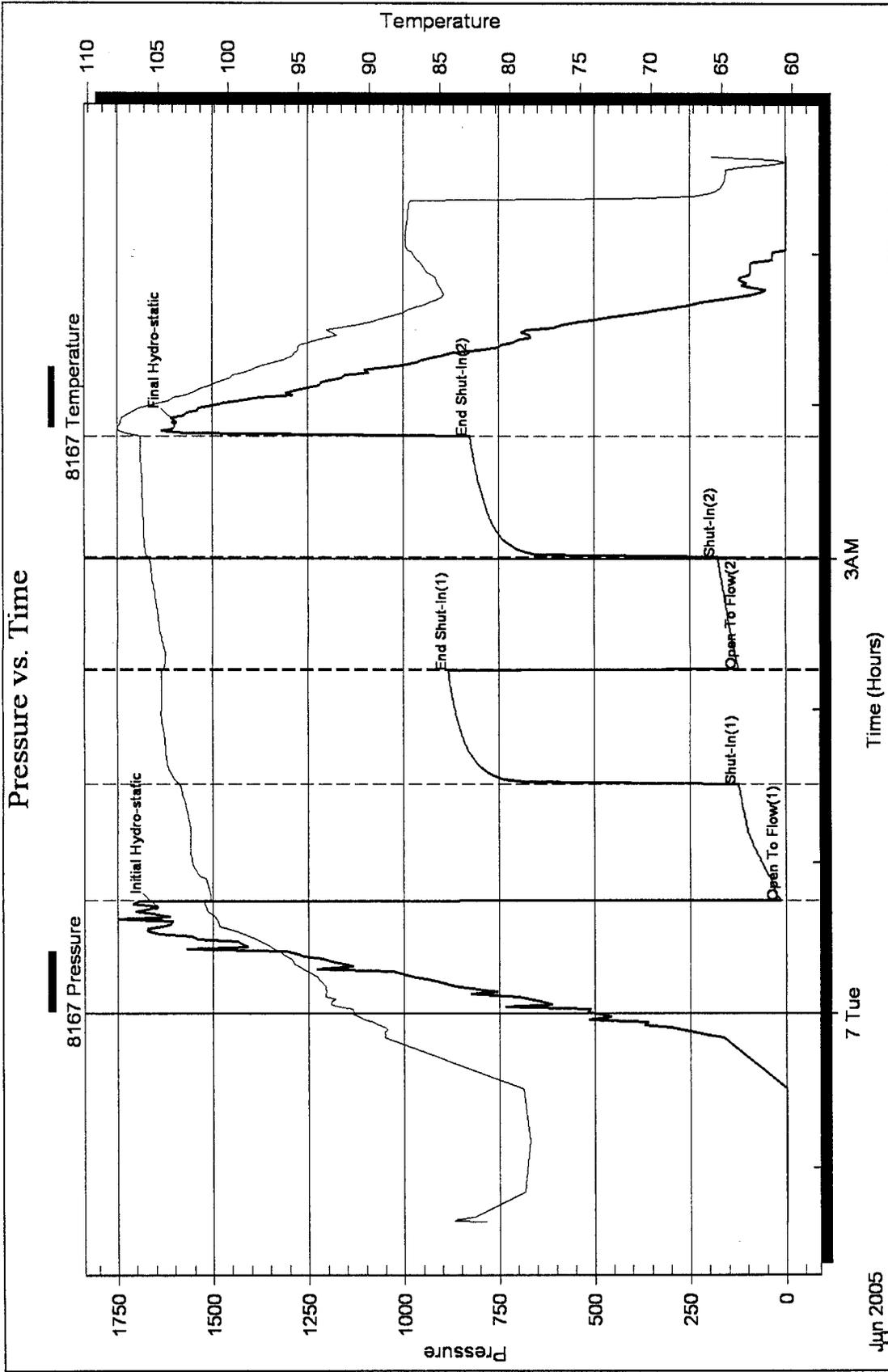
Inside

Russell Oil Inc

24-8s-23w Graham

DST Test Number: 1

Pressure vs. Time



Jun 2005

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Intelligence Testing, Inc

Ref. No: 22673

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Russell Oil Inc**

P O Box 1469
Plainfield IL 60544

ATTN: Leroy Holt II

24-8s-23w Graham

Law C #1-24

Start Date: 2005.06.07 @ 16:19:35

End Date: 2005.06.07 @ 23:38:34

Job Ticket #: 22674 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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Russell Oil Inc

Law C #1-24

24-8s-23w Graham

DST # 2

LKC

2005.06.07



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Russell Oil Inc

Law C #1-24

P O Box 1469
Plainfield IL 60544

24-8s-23w Graham

Job Ticket: 22674

DST#: 2

ATTN: Leroy Holt II

Test Start: 2005.06.07 @ 16:19:35

GENERAL INFORMATION:

Formation: LKC

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:25:34

Time Test Ended: 23:38:34

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: 3548.00 ft (KB) To 3571.00 ft (KB) (TVD)

Reference Elevations: 2154.00 ft (KB)

Total Depth: 3571.00 ft (KB) (TVD)

2144.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8167 Inside

Press@RunDepth: 152.98 psig @ 3549.01 ft (KB)

Capacity: 7000.00 psig

Start Date: 2005.06.07

End Date:

2005.06.07

Last Calib.:

2005.06.07

Start Time: 16:19:35

End Time:

23:38:34

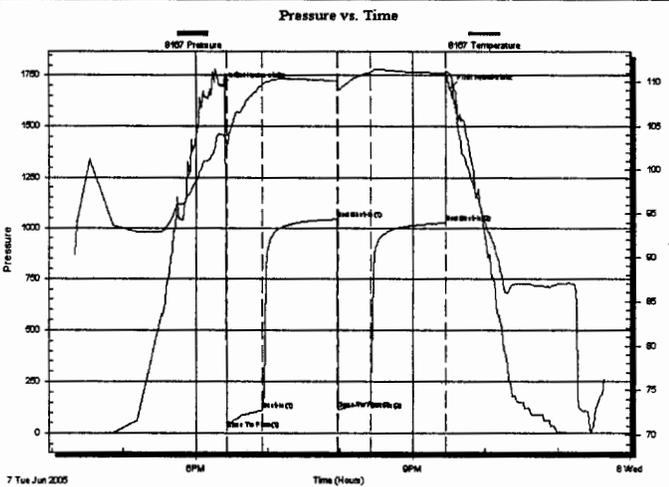
Time On Btrr

2005.06.07 @ 18:21:34

Time Off Btrr

2005.06.07 @ 21:31:04

TEST COMMENT: IFP-w k to strg in 19 min
FFP-w k to strg in 26 min
Times 30-60-30-60
ISIP-surface bl bk,FSIP-1/2"bl bk



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1697.85	104.02	Initial Hydro-static
4	19.85	103.07	Open To Flow (1)
34	111.13	109.67	Shut-In(1)
96	1044.40	110.07	End Shut-In(1)
97	114.13	109.57	Open To Flow (2)
124	152.98	111.03	Shut-In(2)
186	1025.91	110.89	End Shut-In(2)
190	1687.91	110.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	SOCMV 2%O 25%M 73%W	0.59
30.00	O&GCV 10%G 20%O 40%M 30%W	0.15
150.00	GMO 15%G 63%O 12%M 10%W	1.83
45.00	CO	0.63

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil Inc

Law C #1-24

P O Box 1469
Plainfield IL 60544

24-8s-23w Graham

ATTN: Leroy Holt II

Job Ticket: 22674

DST#: 2

Test Start: 2005.06.07 @ 16:19:35

Tool Information

Drill Pipe:	Length: 3378.00 ft	Diameter: 3.80 inches	Volume: 47.38 bbl	Tool Weight: 2200.00 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 55000.00 lb
		<u>Total Volume:</u>	<u>48.27 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3548.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.02 ft			
Tool Length:	44.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3528.00	
Shut In Tool	5.00			3533.00	
Hydraulic tool	5.00			3538.00	
Packer	5.00			3543.00	21.00 Bottom Of Top Packer
Packer	5.00			3548.00	
Stubb	1.00			3549.00	
Recorder	0.01	8167	Inside	3549.01	
Perforations	19.00			3568.01	
Recorder	0.01	13534	Outside	3568.02	
Bullnose	3.00			3571.02	23.02 Bottom Packers & Anchor
Total Tool Length:	44.02				

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FLUID SUMMARY

Russell Oil Inc

Law C #1-24

P O Box 1469
Plainfield IL 60544

24-8s-23w Graham

Job Ticket: 22674

DST#: 2

ATTN: Leroy Holt II

Test Start: 2005.06.07 @ 16:19:35

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

39000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.14 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	SOCMV 2%O 25%M 73%W	0.590
30.00	O&GCVM 10%G 20%O 40%M 30%W	0.148
150.00	GMD 15%G 63%O 12%M 10%W	1.831
45.00	CO	0.631

Total Length: 345.00 ft

Total Volume: 3.200 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .17 @ 77F

Serial #: 8167

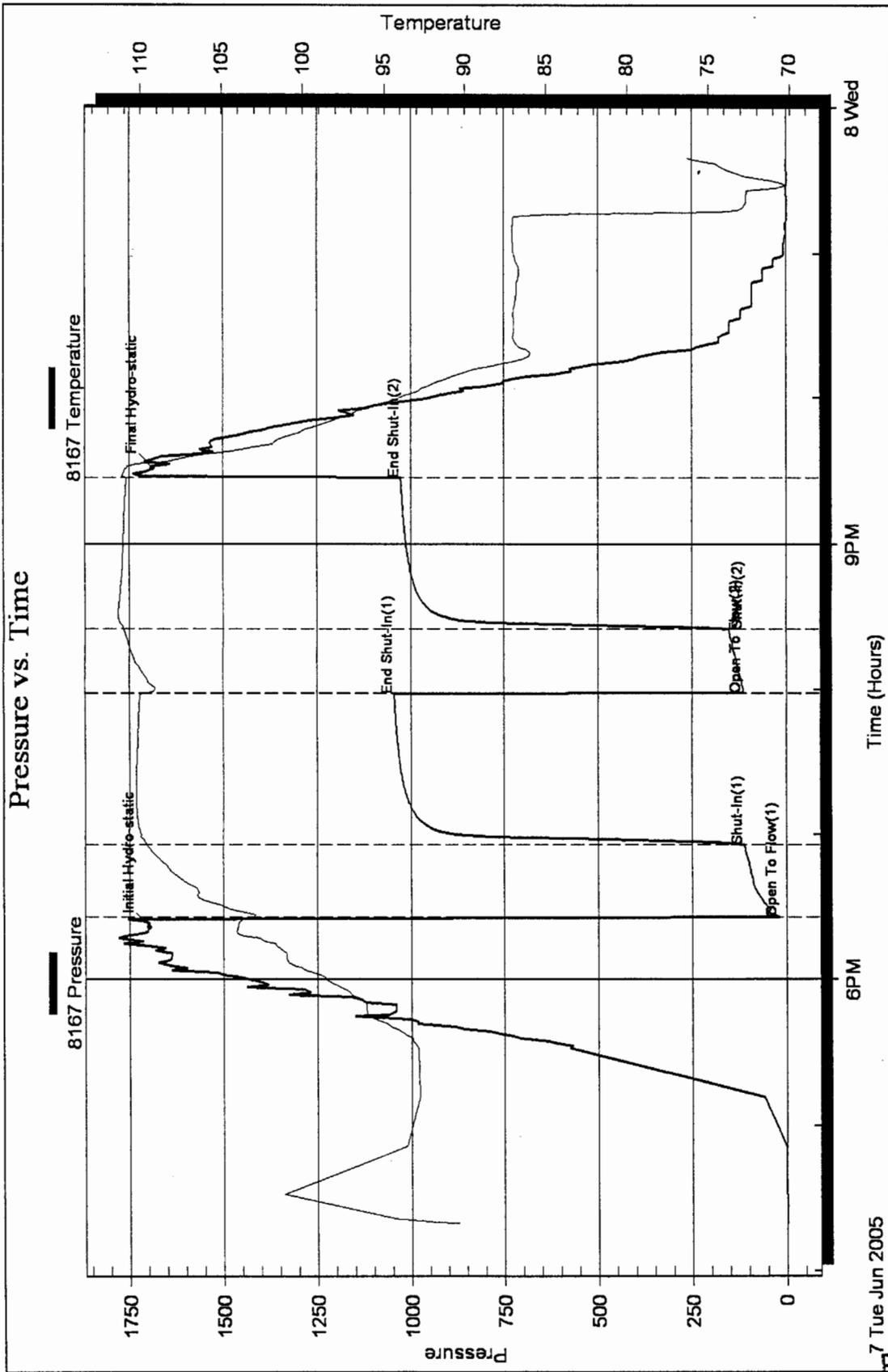
Inside

Russell Oil Inc

24-8s-23w Graham

DST Test Number: 2

Pressure vs. Time



7 Tue Jun 2005

8 Wed

9 PM

6 PM

Time (Hours)

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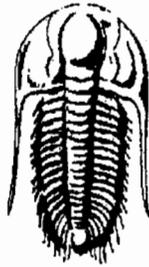
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Probite Testing, Inc

Ref. No: 22674

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Prepared For: **Russell Oil Inc**

P O Box 1469
Plainfield IL 60544

ATTN: Leroy Holt II

24-8s-23w Graham

Law C #1-24

Start Date: 2005.06.08 @ 06:43:42

End Date: 2005.06.08 @ 13:17:11

Job Ticket #: 22675 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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Russell Oil Inc

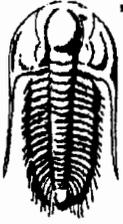
Law C #1-24

24-8s-23w Graham

DST # 3

LKC "J"

2005.06.08



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Russell Oil Inc

Law C #1-24

P O Box 1469
Plainfield IL 60544

24-8s-23w Graham

Job Ticket: 22675

DST#: 3

ATTN: Leroy Holt II

Test Start: 2005.06.08 @ 06:43:42

GENERAL INFORMATION:

Formation: LKC "J"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:11:41

Time Test Ended: 13:17:11

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: 3574.00 ft (KB) To 3588.00 ft (KB) (TVD)

Reference Elevations: 2154.00 ft (KB)

Total Depth: 3588.00 ft (KB) (TVD)

2144.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8167

Inside

Press@RunDepth: 25.65 psig @ 3580.01 ft (KB)

Capacity: 7000.00 psig

Start Date: 2005.06.08

End Date: 2005.06.08

Last Calib.: 2005.06.08

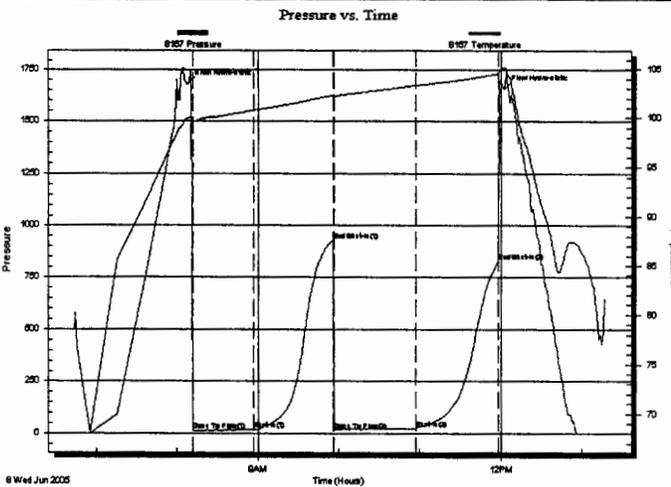
Start Time: 06:43:42

End Time: 13:17:11

Time On Btm: 2005.06.08 @ 08:08:11

Time Off Btm: 2005.06.08 @ 12:02:41

TEST COMMENT: IFP-w k bl thru-out surface to 1/4"bl
FFP-w k bl thru-out 3/4"bl
Times 45-60-60-60
no bl on shut-in



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1682.65	99.93	Initial Hydro-static
4	14.38	99.71	Open To Flow (1)
49	18.67	100.70	Shut-In(1)
108	930.04	102.26	End Shut-In(1)
109	16.41	102.11	Open To Flow (2)
169	25.65	103.29	Shut-In(2)
230	827.24	104.52	End Shut-In(2)
235	1661.11	105.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	CO	0.02
25.00	MGO 10%G 46%O 44%M	0.12
0.00	120'GIP	0.00

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil Inc

Law C #1-24

P O Box 1469
Plainfield IL 60544

24-8s-23w Graham

Job Ticket: 22675

DST#: 3

ATTN: Leroy Holt II

Test Start: 2005.06.08 @ 06:43:42

Tool Information

Drill Pipe:	Length: 3378.00 ft	Diameter: 3.80 inches	Volume: 47.38 bbl	Tool Weight: 2200.00 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 48.27 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3574.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.02 ft			
Tool Length:	35.02 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			3554.00	
Shut In Tool	5.00			3559.00	
Hydraulic tool	5.00			3564.00	
Packer	5.00			3569.00	21.00 Bottom Of Top Packer
Packer	5.00			3574.00	
Stubb	1.00			3575.00	
Perforations	5.00			3580.00	
Recorder	0.01	8167	Inside	3580.01	
Perforations	5.00			3585.01	
Recorder	0.01	13534	Outside	3585.02	
Bullnose	3.00			3588.02	14.02 Bottom Packers & Anchor

Total Tool Length: 35.02

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FLUID SUMMARY

Russell Oil Inc

Law C #1-24

P O Box 1469
Plainfield IL 60544

24-8s-23w Graham

Job Ticket: 22675

DST#: 3

ATTN: Leroy Holt II

Test Start: 2005.06.08 @ 06:43:42

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: 40.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	CO	0.025
25.00	MGO 10%G 46%O 44%M	0.123
0.00	120'GIP	0.000

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:

Serial #: 8167

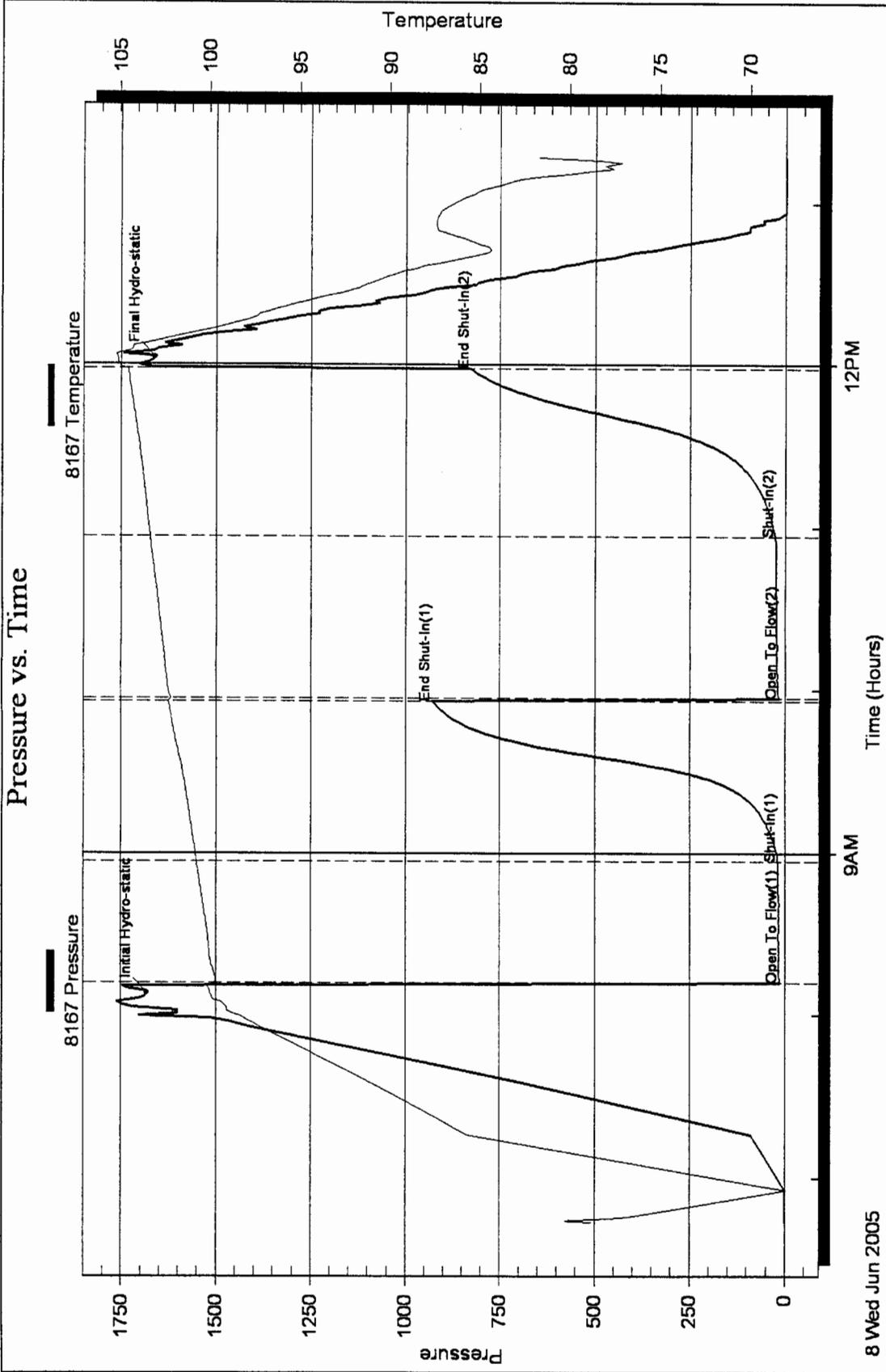
Inside

Russell Oil Inc

24-8s-23w Graham

DST Test Number: 3

Pressure vs. Time



8 Wed Jun 2005

9AM

12PM

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Ref. No: 22675

Tru-Test, Inc