

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Russell Oil Inc.**

PO Box 1469
Plainfield IL 60544

ATTN: Todd Morgenstern

24-8s-23w-Graham

Law D #1-24

Start Date: 2005.07.07 @ 05:29:28
End Date: 2005.07.07 @ 11:02:28
Job Ticket #: 22864 DST #: 1

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 D #1-24 24-8s-23w-Graham DST # 1 LKC-"H-I" 2005.07.07

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

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PO Box 1469
Plainfield IL 60544

ATTN: Todd Morgenstern

Law D #1-24

24-8s-23w-Graham

Job Ticket: 22864 **DST#: 1**

Test Start: 2005.07.07 @ 05:29:28

GENERAL INFORMATION:

Formation: **LKC-"H-I"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:21:13
Time Test Ended: 11:02:28

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 32

Interval: 3532.00 ft (KB) To 3584.00 ft (KB) (TVD)
Total Depth: 3584.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

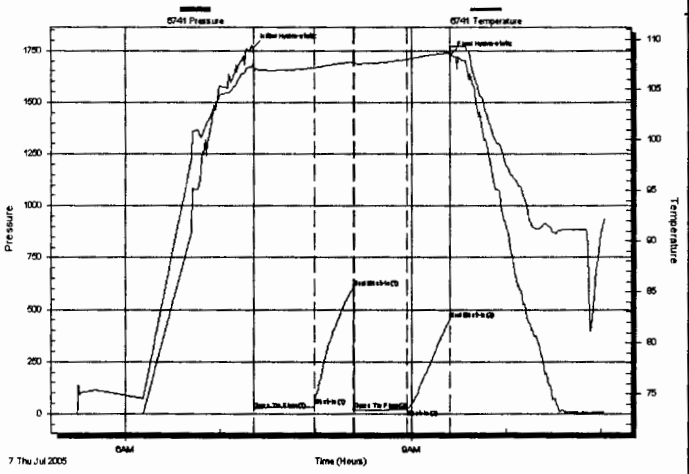
Reference Elevations: 2170.00 ft (KB)
2158.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6741 **Inside**

Press@RunDepth: 22.72 psig @ 3534.00 ft (KB)
Start Date: 2005.07.07 End Date: 2005.07.07
Start Time: 05:29:30 End Time: 11:02:28

Capacity: 7000.00 psig
Last Calib.: 2005.07.07
Time On Btm: 2005.07.07 @ 07:20:58
Time Off Btm: 2005.07.07 @ 09:24:28

TEST COMMENT: IFP-Weak Blow ,Built to 1/2",Died in 20 Min
ISI-Dead
FFP-Dead
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1765.56	107.48	Initial Hydro-static
1	16.26	106.66	Open To Flow (1)
39	34.81	107.14	Shut-In(1)
63	606.38	107.75	End Shut-In(1)
63	17.54	107.60	Open To Flow (2)
97	22.72	107.99	Shut-In(2)
123	451.92	108.67	End Shut-In(2)
124	1731.41	109.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
6.00	Mud With Oil Spots in Tool	0.08

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil Inc.

PO Box 1469
Plainfield IL 60544

ATTN: Todd Morgenstern

Law D #1-24

24-8s-23w-Graham

Job Ticket: 22864 **DST#: 1**

Test Start: 2005.07.07 @ 05:29:28

Tool Information

Drill Pipe:	Length:	3532.00 ft	Diameter:	3.80 inches	Volume:	49.54 bbl	Tool Weight:		2200.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:		50000.00 lb
					Total Volume:	49.54 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		21.00 ft					String Weight:	Initial	40000.00 lb
Depth to Top Packer:		3532.00 ft						Final	40000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		52.00 ft							
Tool Length:		73.00 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			3512.00		
Shut In Tool	5.00			3517.00		
Hydraulic tool	5.00			3522.00		
Packer	5.00			3527.00	21.00	Bottom Of Top Packer
Packer	5.00			3532.00		
Stubb	1.00			3533.00		
Perforations	1.00			3534.00		
Recorder	0.00	6741	Inside	3534.00		
Change Over Sub	1.00			3535.00		
Blank Spacing	31.00			3566.00		
Change Over Sub	1.00			3567.00		
Perforations	14.00			3581.00		
Recorder	0.00	13221	Outside	3581.00		
Bullnose	3.00			3584.00	52.00	Bottom Packers & Anchor
Total Tool Length:	**73.00**					

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FLUID SUMMARY

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PO Box 1469
Plainfield IL 60544

ATTN: Todd Morgenstern

Law D #1-24

24-8s-23w-Graham

Job Ticket: 22864 **DST#: 1**

Test Start: 2005.07.07 @ 05:29:28

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:	46.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2000.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

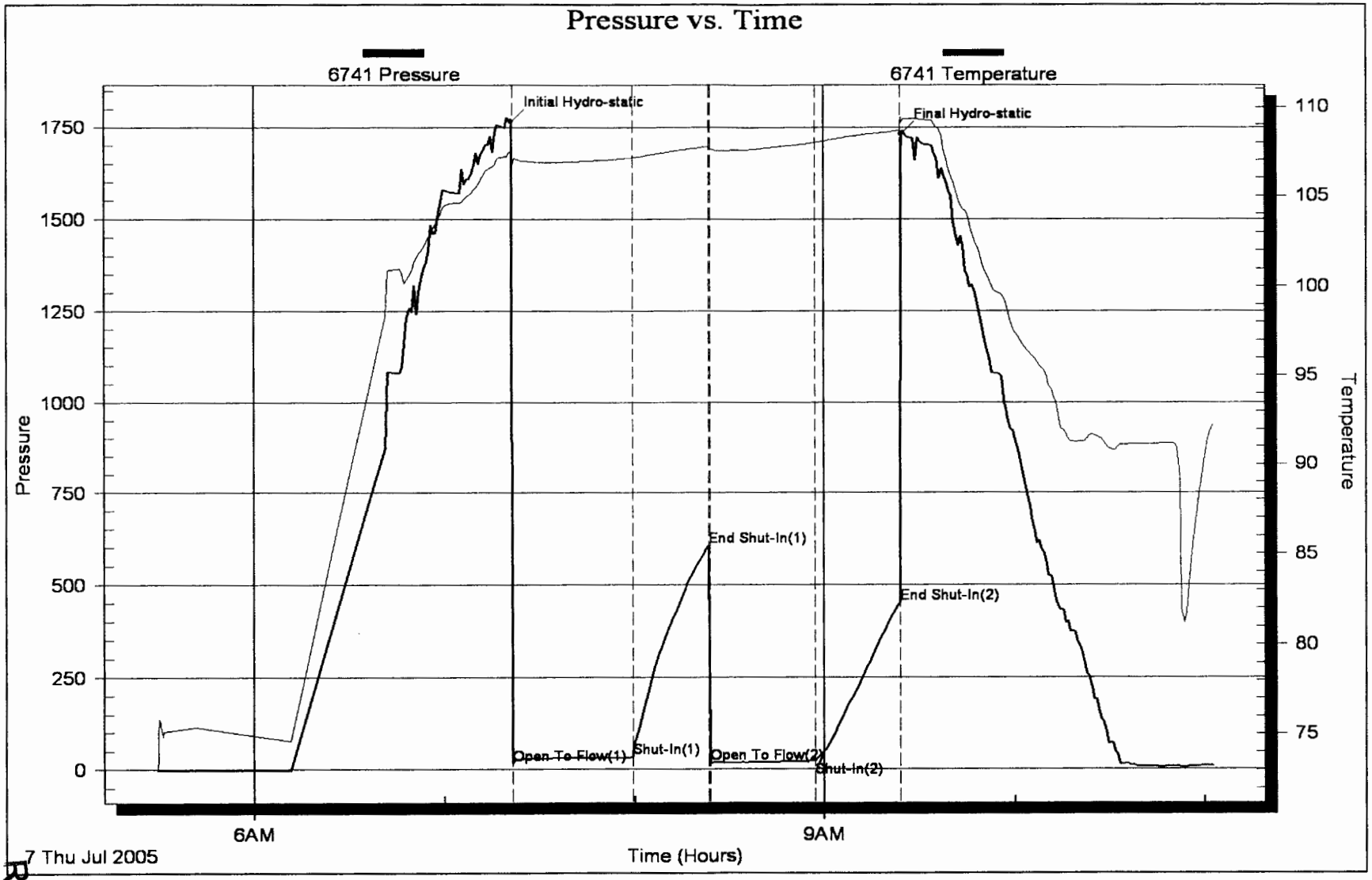
Recovery Table

Length ft	Description	Volume bbl
6.00	Mud With Oil Spots in Tool	0.084

Total Length: 6.00 ft Total Volume: 0.084 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6741 **Inside** Russell Oil Inc. 24-8s-23w -Graham DST Test Number: 1



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DRILL STEM TEST REPORT

Prepared For: **Russell Oil Inc.**

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ATTN: Todd Morgenstern

24-8s-23w-Graham

Law D #1-24

Start Date: 2005.07.07 @ 17:50:41
End Date: 2005.07.08 @ 02:11:26
Job Ticket #: 22865 DST #: 2

Trilobite Testing, Inc
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Russell Oil Inc.

PO Box 1469
Plainfield IL 60544

ATTN: Todd Morgenstern

Law D #1-24

24-8s-23w-Graham

Job Ticket: 22865 **DST#: 2**

Test Start: 2005.07.07 @ 17:50:41

GENERAL INFORMATION:

Formation: LKC
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:44:11
Time Test Ended: 02:11:26

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 32

Interval: 3578.00 ft (KB) To 3597.00 ft (KB) (TVD)
Total Depth: 3597.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

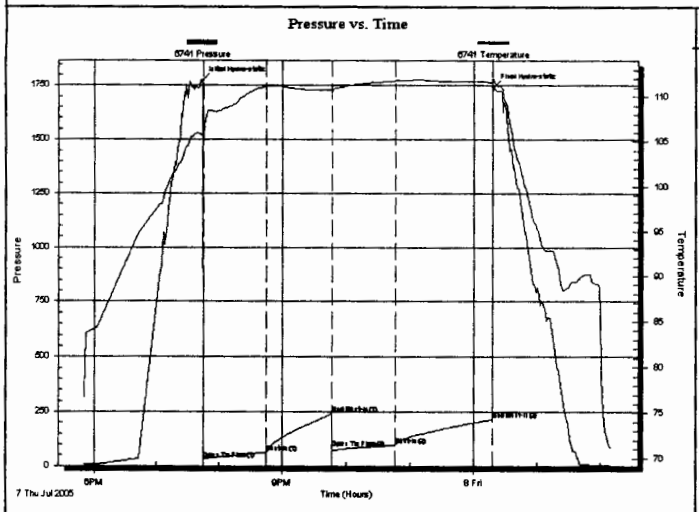
Reference Elevations: 2170.00 ft (KB)
2158.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6741 **Inside**

Press@RunDepth: 96.06 psig @ 3580.00 ft (KB)
Start Date: 2005.07.07 End Date: 2005.07.08
Start Time: 17:50:43 End Time: 02:11:26

Capacity: 7000.00 psig
Last Calib.: 2005.07.08
Time On Btm: 2005.07.07 @ 19:43:56
Time Off Btm: 2005.07.08 @ 00:18:26

TEST COMMENT: IFP-Good Blow , Built to 9-3/4"
ISI-Dead
FFP-Weak Blow s, Built to 4"
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1772.69	105.69	Initial Hydro-static
1	30.69	105.44	Open To Flow (1)
61	62.66	111.13	Shut-In(1)
123	240.18	110.72	End Shut-In(1)
123	83.51	110.68	Open To Flow (2)
182	96.06	111.77	Shut-In(2)
274	216.34	111.66	End Shut-In(2)
275	1743.09	112.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	Muddy Water	2.52

Gas Rates

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

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TOOL DIAGRAM

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Law D #1-24

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Job Ticket: 22865 **DST#: 2**

Test Start: 2005.07.07 @ 17:50:41

Tool Information

Drill Pipe:	Length:	3568.00 ft	Diameter:	3.80 inches	Volume:	50.05 bbl	Tool Weight:		2200.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:		50000.00 lb
					Total Volume:	50.05 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		11.00 ft					String Weight:	Initial	41000.00 lb
Depth to Top Packer:		3578.00 ft						Final	42000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		19.00 ft							
Tool Length:		40.00 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			3558.00		
Shut In Tool	5.00			3563.00		
Hydraulic tool	5.00			3568.00		
Packer	5.00			3573.00	21.00	Bottom Of Top Packer
Packer	5.00			3578.00		
Stubb	1.00			3579.00		
Perforations	1.00			3580.00		
Recorder	0.00	6741	Inside	3580.00		
Perforations	14.00			3594.00		
Recorder	0.00	13252	Outside	3594.00		
Bullnose	3.00			3597.00	19.00	Bottom Packers & Anchor
Total Tool Length:	**40.00**					

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Job Ticket: 22865 **DST#: 2**

Test Start: 2005.07.07 @ 17:50:41

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:	1100 ppm
Viscosity:	46.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.97 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2000.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

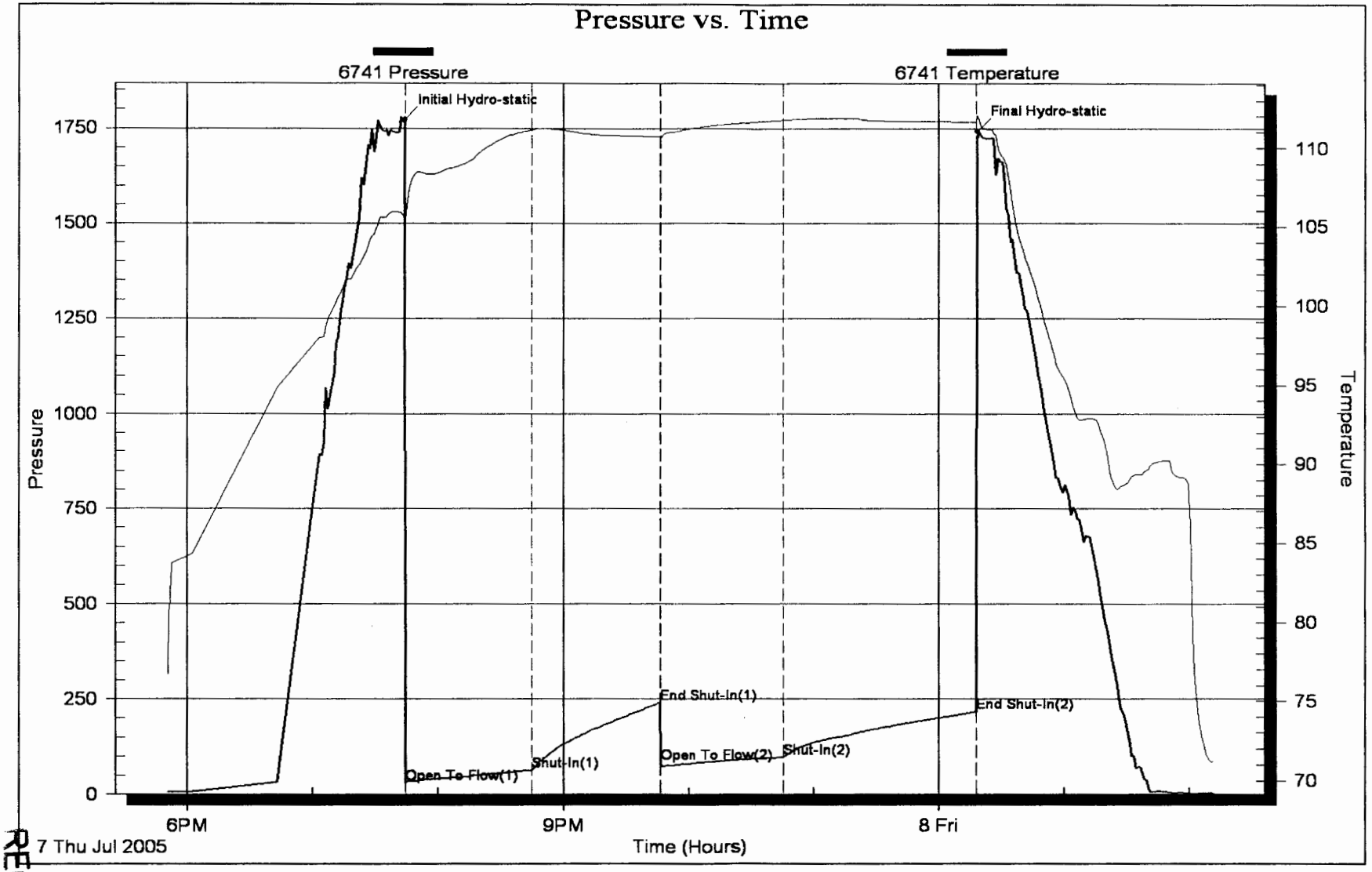
Length ft	Description	Volume bbl
180.00	Muddy Water	2.525

Total Length: 180.00 ft Total Volume: 2.525 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:



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