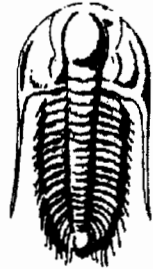


8-95-25w
ORIGINAL



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Russell Oil Inc.**

PO Box 1469
Plainfeild, IL 60544

ATTN: Todd Morgenstern

8-9-25 Graham

Waggoner 1-8

Start Date: 2005.03.13 @ 03:32:14

End Date: 2005.03.13 @ 09:27:34

Job Ticket #: 20518 DST #: 1

15-065-23038
N2 N2 NW
330 FWL 1210 FWL

RECEIVED
JUL 08 2005
KCC WICHITA

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Russell Oil Inc.

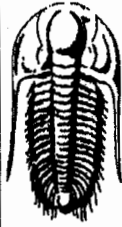
Waggoner 1-8

8-9-25 Graham

DST # 1

LKC 35

2005.03.13



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Russell Oil Inc.

Waggoner 1-8

PO Box 1469
Plainfield, IL 60544

8-9-25 Graham

Job Ticket: 20518

DST#: 1

ATTN: Todd Morgenstern

Test Start: 2005.03.13 @ 03:32:14

GENERAL INFORMATION:

Formation: **LKC 35**

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

Time Tool Opened: 05:40:34

Time Test Ended: 09:27:34

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Turley**

Unit No: **18**

Interval: **3890.00 ft (KB) To 3911.00 ft (KB) (TVD)**

Reference Elevations: **2585.00 ft (KB)**

Total Depth: **3911.00 ft (KB) (TVD)**

2575.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Good**

KB to GR/CF: **10.00 ft**

Serial #: 6772

Inside

Press@RunDepth: **18.84 psig @ 3891.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2005.03.13**

End Date:

2005.03.13

Last Calib.: **1899.12.30**

Start Time: **03:32:14**

End Time:

09:27:34

Time On Btm: **2005.03.13 @ 05:38:19**

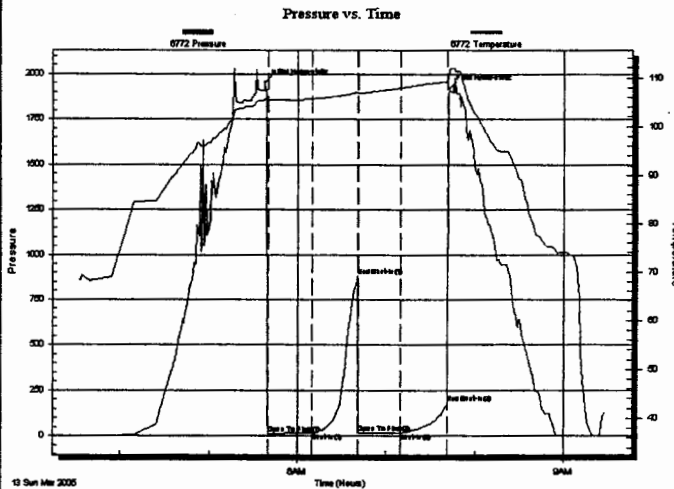
Time Off Btm: **2005.03.13 @ 07:42:19**

TEST COMMENT: IF: Surface blow built to 1/4 died in 13 min.

IS: No return.

FF: No blow.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1952.38	105.57	Initial Hydro-static
3	12.74	105.31	Open To Flow (1)
32	16.11	105.65	Shut-In(1)
63	881.41	106.98	End Shut-In(1)
64	17.10	106.72	Open To Flow (2)
92	18.84	107.91	Shut-In(2)
124	179.90	109.24	End Shut-In(2)
124	1920.15	111.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	ocm 20%o 80%r	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil Inc.

Waggoner 1-8

PO Box 1469
Plainfield, IL 60544

8-9-25 Graham

Job Ticket: 20518

DST#: 1

ATTN: Todd Morgenstern

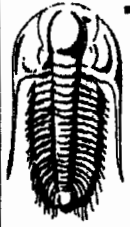
Test Start: 2005.03.13 @ 03:32:14

Tool Information

Drill Pipe:	Length: 3656.00 ft	Diameter: 3.80 inches	Volume: 51.28 bbl	Tool Weight: 1500.00 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: 238.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume: 52.45 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3890.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	41.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			3871.00	
Shut In Tool	5.00			3876.00	
Hydraulic tool	5.00			3881.00	
Packer	5.00			3886.00	20.00 Bottom Of Top Packer
Packer	4.00		Fluid	3890.00	
Stubb	1.00			3891.00	
Recorder	0.00	6772	Inside	3891.00	
Perforations	15.00			3906.00	
Recorder	0.00	10248	Outside	3906.00	
Bullnose	5.00			3911.00	21.00 Bottom Packers & Anchor
Total Tool Length:	41.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Inc.

Waggoner 1-8

PO Box 1469
Plainfeild, IL 60544

8-9-25 Graham

Job Ticket: 20518

DST#: 1

ATTN: Todd Morgenstern

Test Start: 2005.03.13 @ 03:32:14

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	ocm20%o 80%m	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

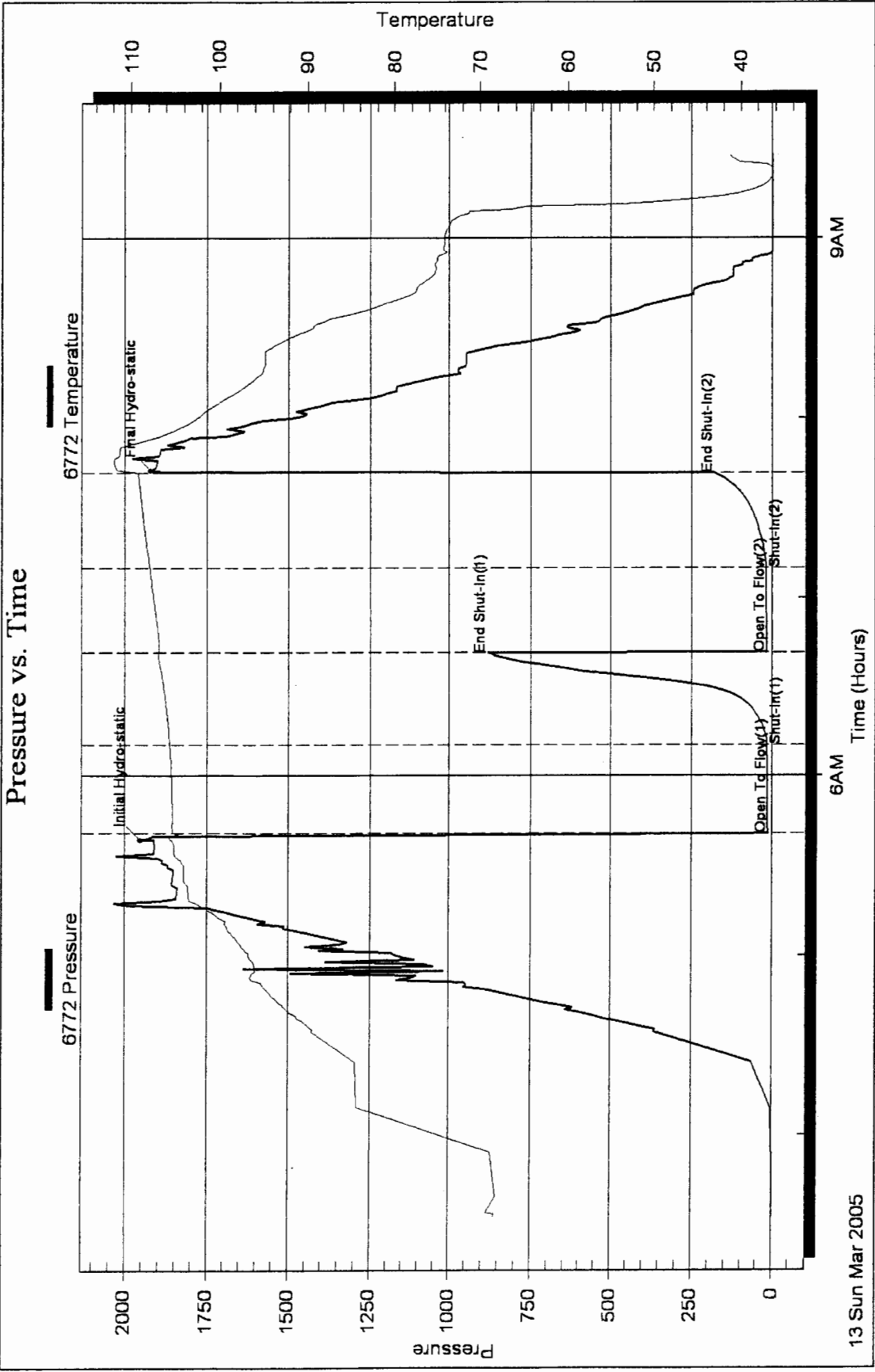
8-9-25 Graham

Russell Oil Inc.

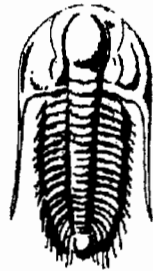
Inside

Serial #: 6772

Pressure vs. Time



ORIGINAL



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Russell Oil Inc.**

PO Box 1469
Plainfeild, IL 60544

ATTN: Todd Morgenstern

8-9-25 Graham

Waggoner 1-8

Start Date: 2005.03.13 @ 20:22:18

End Date: 2005.03.14 @ 02:19:38

Job Ticket #: 20519

DST #: 2

Russell Oil Inc.

Waggoner 1-8

8-9-25 Graham

DST # 2

LKC-F

2005.03.13

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Russell Oil Inc.
PO Box 1469
Plainfield, IL 60544

Waggoner 1-8
8-9-25 Graham
Job Ticket: 20519 **DST#: 2**
Test Start: 2005.03.13 @ 20:22:18

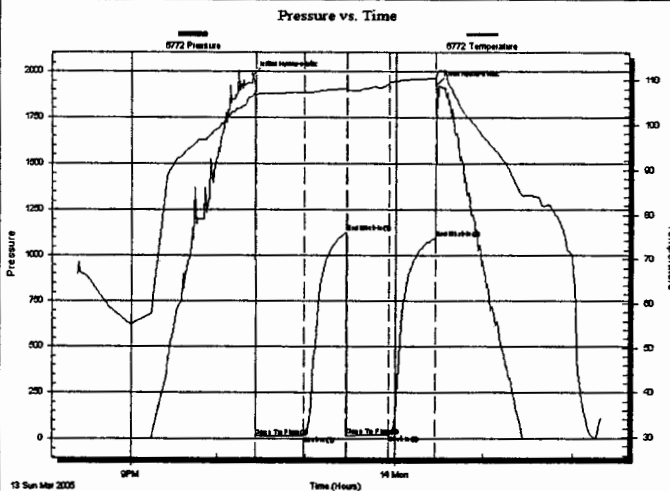
ATTN: Todd Morgenstern

GENERAL INFORMATION:

Formation: LKC- F
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:26:38
Time Test Ended: 02:19:38
Interval: 3926.00 ft (KB) To 3950.00 ft (KB) (TVD)
Total Depth: 3950.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Brandon Turley
Unit No: 18
Reference Elevations: 2585.00 ft (KB)
2575.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6772 **Inside**
Press@RunDepth: 20.77 psig @ 3951.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2005.03.13 End Date: 2005.03.14 Last Calib.: 1899.12.30
Start Time: 20:22:18 End Time: 02:19:38 Time On Btrm: 2005.03.13 @ 22:24:23
Time Off Btrm: 2005.03.14 @ 00:28:08

TEST COMMENT: IF: Weak surface blow built to 1/4 died in 10 min.
IS: No return.
FF: No blow.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1982.03	106.68	Initial Hydro-static
3	13.85	106.69	Open To Flow (1)
34	16.59	107.26	Shut-In(1)
63	1123.65	108.23	End Shut-In(1)
63	17.89	107.97	Open To Flow (2)
92	20.77	109.46	Shut-In(2)
123	1097.12	110.55	End Shut-In(2)
124	1929.33	111.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud heavy oil spots 100% m	0.02

Gas Rates

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

ORIGINAL



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil Inc.

Waggoner 1-8

PO Box 1469
Plainfeild, IL 60544

8-9-25 Graham

Job Ticket: 20519

DST#: 2

ATTN: Todd Morgenstern

Test Start: 2005.03.13 @ 20:22:18

Tool Information

Drill Pipe:	Length: 3777.00 ft	Diameter: 3.80 inches	Volume: 52.98 bbl	Tool Weight: 1500.00 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: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 53.86 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3950.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			3931.00	
Shut In Tool	5.00			3936.00	
Hydraulic tool	5.00			3941.00	
Packer	5.00			3946.00	20.00 Bottom Of Top Packer
Packer	4.00		Fluid	3950.00	
Stubb	1.00			3951.00	
Recorder	0.00	6772	Inside	3951.00	
Perforations	18.00			3969.00	
Recorder	0.00	10248	Outside	3969.00	
Bullnose	5.00			3974.00	24.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Inc.

Waggoner 1-8

PO Box 1469
Plainfeild, IL 60544

8-9-25 Graham

Job Ticket: 20519

DST#: 2

ATTN: Todd Morgenstern

Test Start: 2005.03.13 @ 20:22:18

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud heavy oil spots 100% _m	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

ORIGINAL

