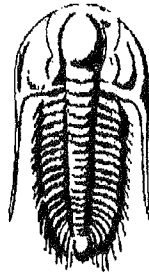


15-193-20760

13-10s-3lw

IND



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Russell Oil, Inc.**

PO Box 1469
Plainfield, IL 60544-3469

CONFIDENTIAL

JUL 06 2009

ATTN: Steve Angle

KCC

13-10-31 Thomas, KS

SK 1-13

Start Date: 2009.03.28 @ 03:50:05

End Date: 2009.03.28 @ 10:48:14

Job Ticket #: 34233 DST #: 1

KANSAS CORPORATION COMMISSION

JUL 13 2009

RECEIVED

Russell Oil, Inc.

SK 1-13

13-10-31 Thomas, KS

DST # 1

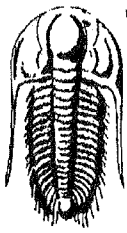
KC 90

2009.03.28

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil, Inc.
PO Box 1469
Plainfield, IL 60544-3469

ATTN: Steve Angle

SK 1-13
13-10-31 Thomas, KS
Job Ticket: 34233 **DST#: 1**
Test Start: 2009.03.28 @ 03:50:05

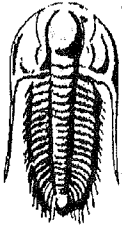
Tool Information

Drill Pipe:	Length: 4070.00 ft	Diameter: 3.80 inches	Volume: 57.09 bbl	Tool Weight: 2100.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 57.09 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	4066.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	45.00 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			4046.00	
Shut In Tool	5.00			4051.00	
Hydraulic tool	5.00			4056.00	
Packer	5.00			4061.00	21.00 Bottom Of Top Packer
Packer	5.00			4066.00	
Stubb	1.00			4067.00	
Perforations	3.00			4070.00	
Recorder	0.00	8359	Inside	4070.00	
Recorder	0.00	8351	Inside	4070.00	
Perforations	15.00			4085.00	
Bullnose	5.00			4090.00	24.00 Bottom Packers & Anchor

Total Tool Length: 45.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc.
PO Box 1469
Plainfield, IL 60544-3469
ATTN: Steve Angle

SK 1-13
13-10-31 Thomas, KS
Job Ticket: 34233 **DST#: 1**
Test Start: 2009.03.28 @ 03:50:05

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:	24000 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.39 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1100.00 ppm			
Filter Cake: 2.00 inches			

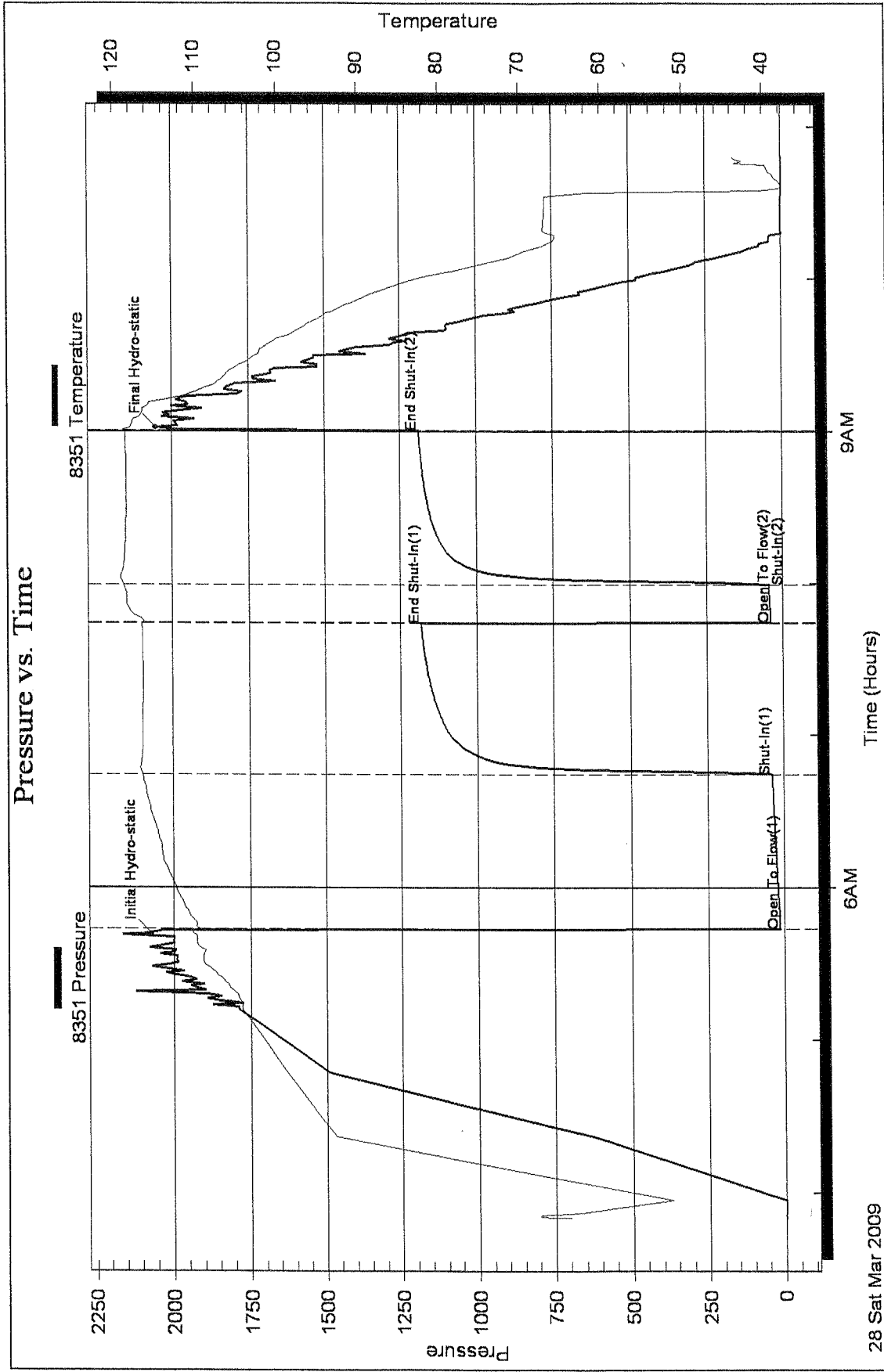
Recovery Information

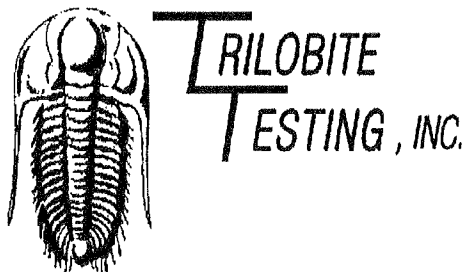
Recovery Table

Length ft	Description	Volume bbl
75.00	MW 50%M 50%W	1.052
0.00	Spots of oil in tool	0.000

Total Length: 75.00 ft Total Volume: 1.052 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW; .360 @ 55 Degrees F = 24000 chlorides.

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Russell Oil, Inc.**

PO Box 1469
Plainfield, IL 60544-3469

ATTN: Steve Angle

13-10-31 Thomas, KS

SK 1-13

Start Date: 2009.03.29 @ 07:17:45

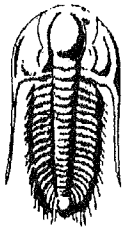
End Date: 2009.03.29 @ 13:42:15

Job Ticket #: 34234 DST #: 2

Trilobite Testing, Inc

PO Box 1733 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 60544-3469
 ATTN: Steve Angle

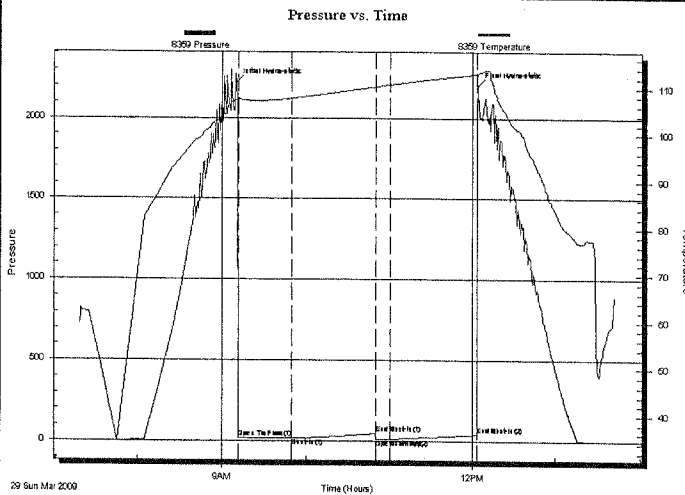
SK 1-13
13-10-31 Thomas, KS
 Job Ticket: 34234 **DST#: 2**
 Test Start: 2009.03.29 @ 07:17:45

GENERAL INFORMATION:

Formation: "K"
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:11:55
 Time Test Ended: 13:42:15
 Interval: **4188.00 ft (KB) To 4217.00 ft (KB) (TVD)**
 Total Depth: 4217.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Chuck Smith
 Unit No: 37
 Reference Elevations: 2948.00 ft (KB)
 2938.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8359 **Inside**
 Press@RunDepth: 14.04 psig @ 4192.00 ft (KB)
 Start Date: 2009.03.29 End Date: 2009.03.29
 Start Time: 07:17:50 End Time: 13:42:14
 Capacity: 7000.00 psig
 Last Calib.: 2009.03.29
 Time On Btm: 2009.03.29 @ 09:10:15
 Time Off Btm: 2009.03.29 @ 12:03:45

TEST COMMENT: IF: 1/2" Blow died @ 36 min.
 IS: No return.
 FF: No blow.
 FS: No return.



PRESSURE SUMMARY

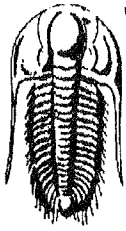
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2219.74	107.51	Initial Hydro-static
2	15.17	107.25	Open To Flow (1)
40	15.54	107.81	Shut-In(1)
100	47.42	110.28	End Shut-In(1)
100	12.85	110.32	Open To Flow(2)
111	14.04	110.74	Shut-In(2)
173	39.36	113.04	End Shut-In(2)
174	2201.23	112.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	M 100%M	0.07

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 60544-3469
ATTN: Steve Angle

SK 1-13
13-10-31 Thomas, KS
Job Ticket: 34234 **DST#: 2**
Test Start: 2009.03.29 @ 07:17:45

Tool Information

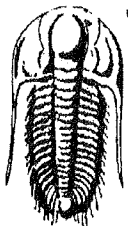
Drill Pipe:	Length: 4194.00 ft	Diameter: 3.80 inches	Volume: 58.83 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 58.83 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	4188.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	50.00 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			4168.00	
Shut In Tool	5.00			4173.00	
Hydraulic tool	5.00			4178.00	
Packer	5.00			4183.00	21.00 Bottom Of Top Packer
Packer	5.00			4188.00	
Stubb	1.00			4189.00	
Perforations	3.00			4192.00	
Recorder	0.00	8359	inside	4192.00	
Recorder	0.00	8351	inside	4192.00	
Perforations	20.00			4212.00	
Bullnose	5.00			4217.00	29.00 Bottom Packers & Anchor

Total Tool Length: 50.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc.

SK 1-13

PO Box 1469
Plainfield, IL 60544-3469

13-10-31 Thomas, KS

Job Ticket: 34234

DST#: 2

ATTN: Steve Angle

Test Start: 2009.03.29 @ 07:17:45

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	M 100%M	0.070

Total Length:

5.00 ft

Total Volume:

0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

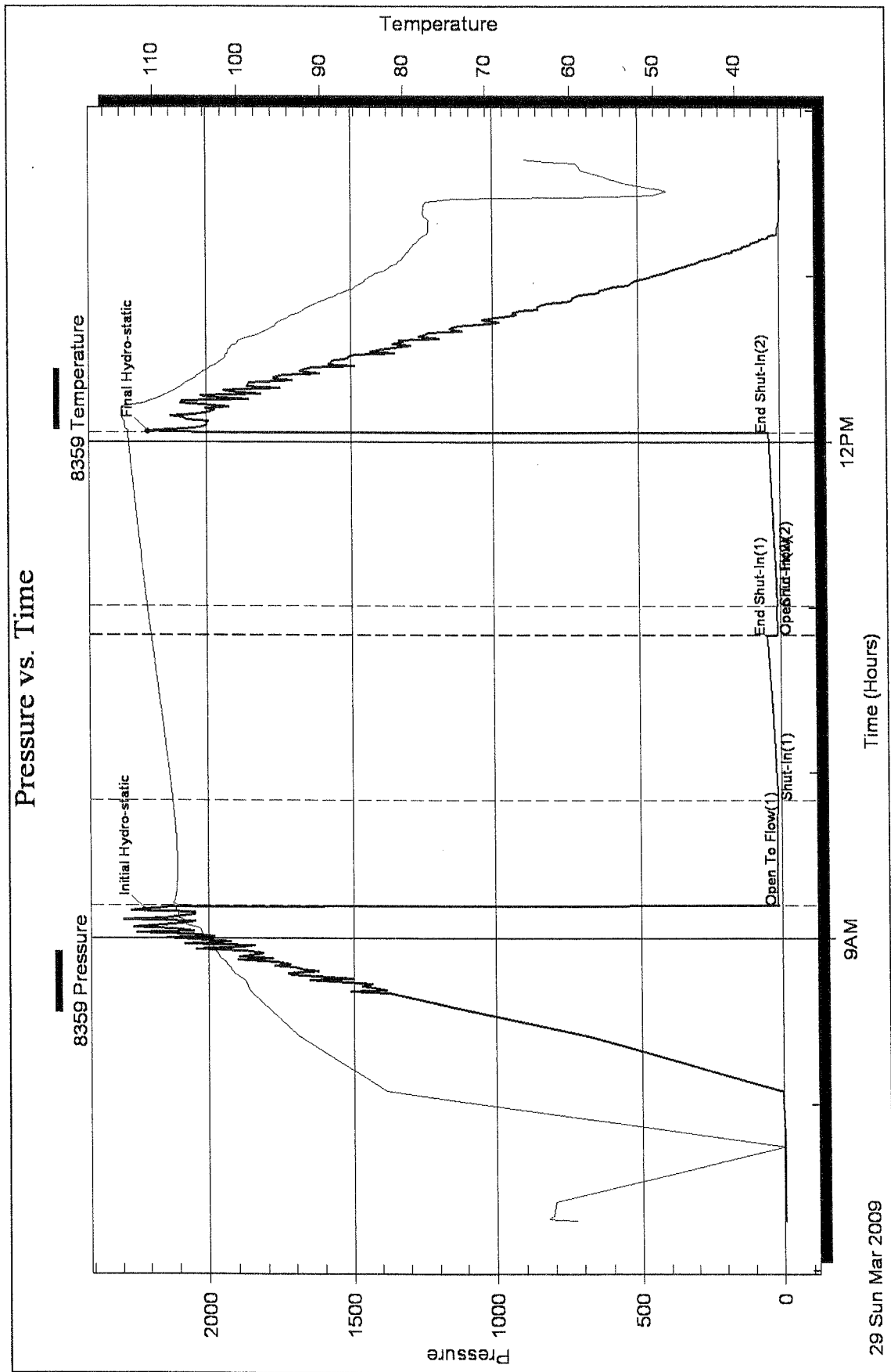
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Russell Oil, Inc.**

PO Box 1469
Plainfield, IL 60544-3469

ATTN: Steve Angle

13-10-31 Thomas, KS

SK 1-13

Start Date: 2009.03.30 @ 13:41:00

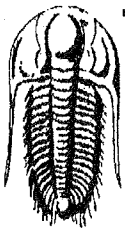
End Date: 2009.03.30 @ 21:01:39

Job Ticket #: 34235 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil, Inc.
PO Box 1469
Plainfield, IL 60544-3469
ATTN: Steve Angle

SK 1-13
13-10-31 Thomas, KS
Job Ticket: 34235 **DST#: 3**
Test Start: 2009.03.30 @ 13:41:00

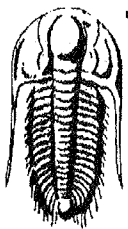
Tool Information

Drill Pipe:	Length: 4257.00 ft	Diameter: 3.80 inches	Volume: 59.71 bbl	Tool Weight: 2100.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 59.71 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4258.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	122.00 ft			
Tool Length:	143.00 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			4238.00	
Shut In Tool	5.00			4243.00	
Hydraulic tool	5.00			4248.00	
Packer	5.00			4253.00	21.00 Bottom Of Top Packer
Packer	5.00			4258.00	
Stubb	1.00			4259.00	
Perforations	1.00			4260.00	
Recorder	0.00	8359	Inside	4260.00	
Recorder	0.00	8351	Inside	4260.00	
Perforations	20.00			4280.00	
Change Over Sub	0.50			4280.50	
Drill Pipe	94.00			4374.50	
Change Over Sub	0.50			4375.00	
Bullnose	5.00			4380.00	122.00 Bottom Packers & Anchor

Total Tool Length: 143.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc.

SK 1-13

PO Box 1469
Plainfield, IL 60544-3469

13-10-31 Thomas, KS

Job Ticket: 34235

DST#: 3

ATTN: Steve Angle

Test Start: 2009.03.30 @ 13:41:00

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: 53.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
30.00	OSM 100%M	0.421

Total Length: 30.00 ft

Total Volume: 0.421 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8359

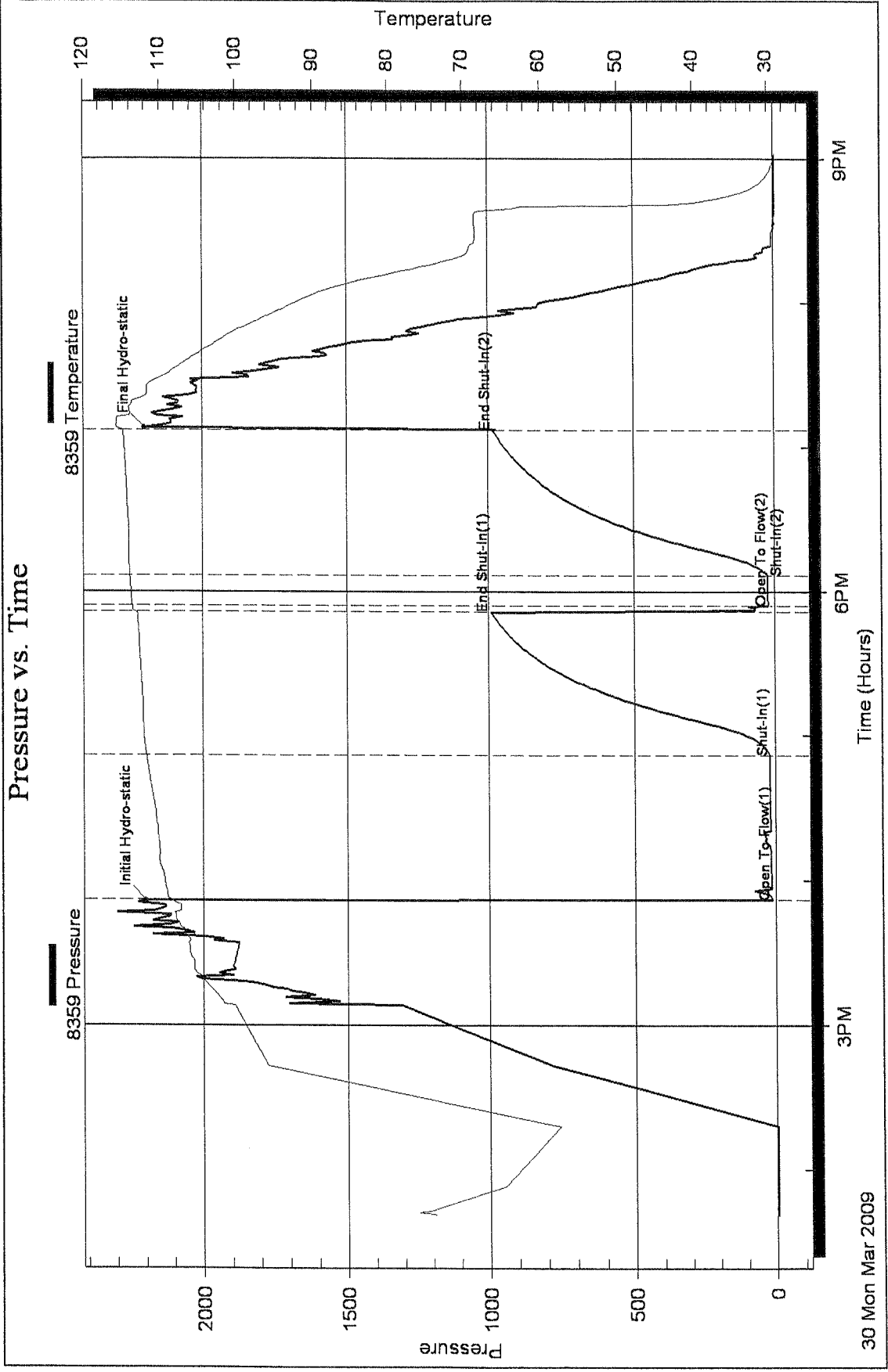
Inside

Russell Oil, Inc.

13-10-31 Thomas, KS

DST Test Number: 3

Pressure vs. Time

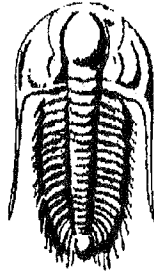


30 Mon Mar 2009

Trilobite Testing, Inc

Ref. No: 34235

Printed: 2009.04.03 @ 09:39:00 Page 5



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Russell Oil, Inc.**

PO Box 1469
Plainfield, IL 60544-3469

ATTN: Steve Angle

13-10-31 Thomas, KS

SK 1-13

Start Date: 2009.04.01 @ 11:58:00

End Date: 2009.04.01 @ 20:34:42

Job Ticket #: 34236 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Russell Oil, Inc.

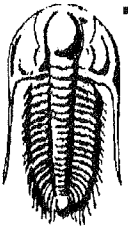
SK 1-13

13-10-31 Thomas, KS

DST # 4

L/KC

2009.04.01



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil, Inc.
PO Box 1469
Plainfield, IL 60544-3469
ATTN: Steve Angle

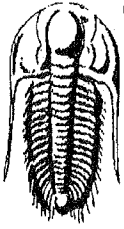
SK 1-13
13-10-31 Thomas, KS
Job Ticket: 34236 **DST#: 4**
Test Start: 2009.04.01 @ 11:58:00

Tool Information

Drill Pipe:	Length: 4007.00 ft	Diameter: 3.80 inches	Volume: 56.21 bbl	Tool Weight: 4000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 33000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 56.21 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	3996.00 ft			Final 71000.00 lb
Depth to Bottom Packer:	4069.00 ft			
Interval between Packers:	73.00 ft			
Tool Length:	626.00 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			3977.00	
Shut In Tool	5.00			3982.00	
Hydraulic tool	5.00			3987.00	
Packer	5.00			3992.00	20.00 Bottom Of Top Packer
Packer	4.00			3996.00	
Stubb	1.00			3997.00	
Perforations	2.00			3999.00	
Recorder	0.00	8351	Inside	3999.00	
Recorder	0.00	13309	Inside	3999.00	
Change Over Sub	1.00			4000.00	
Drill Pipe	61.00			4061.00	
Change Over Sub	1.00			4062.00	
Perforations	3.00			4065.00	
Blank Off Sub	1.00			4066.00	
top of s pack	3.00			4069.00	73.00 Tool Interval
Packer	1.00			4070.00	
Stubb	1.00			4071.00	
Perforations	24.00			4095.00	
Recorder	0.00	8359	Below	4095.00	
Change Over Sub	1.00			4096.00	
Drill Pipe	500.00			4596.00	
Change Over Sub	1.00			4597.00	
Bullnose	5.00			4602.00	533.00 Bottom Packers & Anchor
Total Tool Length:	626.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc.

SK 1-13

PO Box 1469
Plainfield, IL 60544-3469

13-10-31 Thomas, KS

Job Ticket: 34236

DST#: 4

ATTN: Steve Angle

Test Start: 2009.04.01 @ 11:58:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

35000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
125.00	MW 15%M 85%W	1.753
1670.00	W 100%W	23.426
380.00	MW 20%M 80%W	5.330
550.00	WM 15%W 85%M	7.715
0.00	No GIP	0.000

Total Length: 2725.00 ft Total Volume: 38.224 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .280 @ 50 Degrees F = 35000 chlorides.

Serial #: 8351

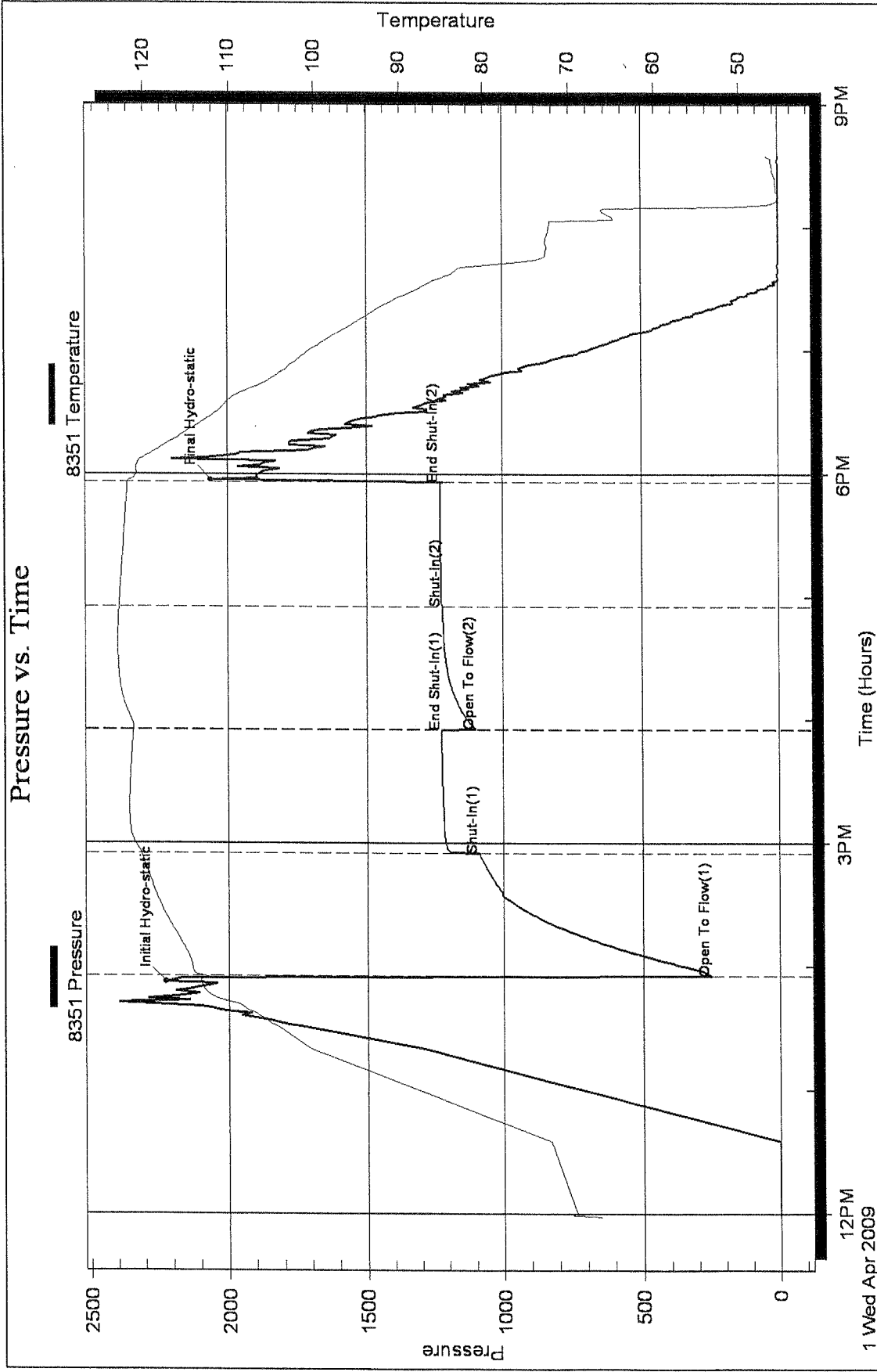
Inside

Russell Oil, Inc.

13-10-31 Thomas, KS

DST Test Number: 4

Pressure vs. Time



12 PM
3 PM
6 PM
9 PM
1 Wed Apr 2009

Trilobite Testing, Inc

Ref. No: 34236

Printed: 2009.04.03 @ 09:39:22 Page 5



DRILL STEM TEST REPORT

Prepared For: **Russell Oil, Inc.**

PO Box 1469
Plainfield, IL 60544-3469

ATTN: Steve Angle

13-10-31 Thomas, KS

SK 1-13

Start Date: 2009.04.02 @ 03:38:45

End Date: 2009.04.02 @ 11:17:32

Job Ticket #: 34237 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Russell Oil, Inc.

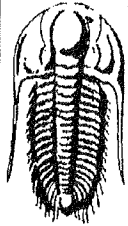
SK 1-13

13-10-31 Thomas, KS

DST # 5

L/KC

2009.04.02



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Russell Oil, Inc.
 PO Box 1469
 Plainfield, IL 60544-3469
 ATTN: Steve Angle

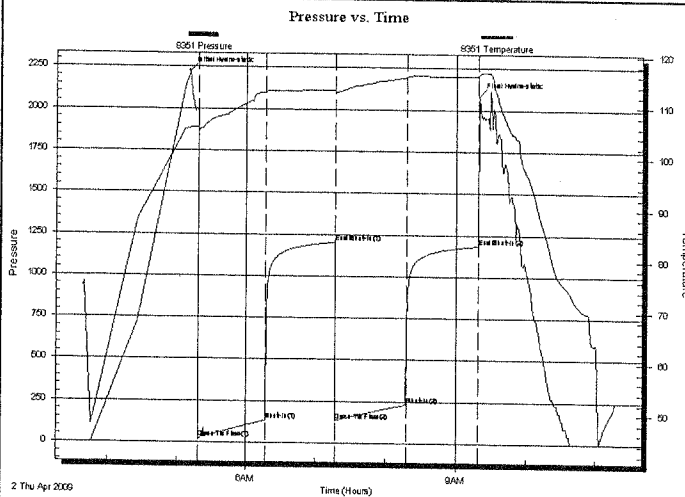
SK 1-13
13-10-31 Thomas, KS
 Job Ticket: 34237 **DST#: 5**
 Test Start: 2009.04.02 @ 03:38:45

GENERAL INFORMATION:

Formation: **L/KC**
 Deviated: **No Whipstock:** **ft (KB)**
 Time Tool Opened: 05:18:21
 Time Test Ended: 11:17:32
 Test Type: **Conventional Straddle**
 Tester: **Chuck Smith**
 Unit No: **37**
 Interval: **4044.00 ft (KB) To 4086.00 ft (KB) (TVD)**
 Total Depth: **4600.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Reference Elevations: **2948.00 ft (KB)**
 2938.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8351 Inside
 Press@RunDepth: **1183.79 psig @ 4047.00 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2009.04.02** End Date: **2009.04.02** Last Calib.: **2009.04.02**
 Start Time: **03:38:46** End Time: **11:17:33** Time On Btm: **2009.04.02 @ 05:10:45**
 Time Off Btm: 2009.04.02 @ 09:19:27

TEST COMMENT: IF: B.O.B. @ 30 min.
 IS: No return.
 FF: B.O.B. @ 40 min.
 FS: No return.



PRESSURE SUMMARY

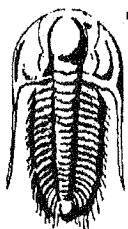
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2223.92	105.80	Initial Hydro-static
8	21.55	104.89	Open To Flow (1)
67	134.93	112.72	Shut-In(1)
127	1202.52	113.24	End Shut-In(1)
127	135.35	112.93	Open To Flow (2)
187	233.33	115.81	Shut-In(2)
248	1183.79	116.03	End Shut-In(2)
249	2084.17	116.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
126.00	MV 30%M 70%W	1.77
126.00	MV 50%M 50%W	1.77
220.00	WM 10%W 90%M	3.09
0.00	Spots of oil in tool	0.00

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 60544-3469
ATTN: Steve Angle

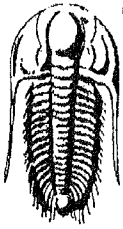
SK 1-13
13-10-31 Thomas, KS
Job Ticket: 34237 **DST#: 5**
Test Start: 2009.04.02 @ 03:38:45

Tool Information

Drill Pipe:	Length: 4044.00 ft	Diameter: 3.80 inches	Volume: 56.73 bbl	Tool Weight: 4000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 56.73 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4044.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	4086.00 ft			
Interval between Packers:	42.00 ft			
Tool Length:	582.00 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			4020.00	
Shut In Tool	5.00			4025.00	
Hydraulic tool	5.00			4030.00	
Packer	10.00			4040.00	25.00 Bottom Of Top Packer
Packer	4.00			4044.00	
Stubb	1.00			4045.00	
Perforations	2.00			4047.00	
Recorder	0.00	8351	Inside	4047.00	
Change Over Sub	1.00			4048.00	
Drill Pipe	30.00			4078.00	
Change Over Sub	1.00			4079.00	
Perforations	3.00			4082.00	
Recorder	0.00	13309	Inside	4082.00	
Blank Off Sub	1.00			4083.00	
top of s pack	3.00			4086.00	42.00 Tool Interval
Packer	1.00			4087.00	
Stubb	1.00			4088.00	
Perforations	6.00			4094.00	
Recorder	0.00	8359	Below	4094.00	
Change Over Sub	1.00			4095.00	
Drill Pipe	500.00			4595.00	
Change Over Sub	1.00			4596.00	
Bullnose	5.00			4601.00	515.00 Bottom Packers & Anchor
Total Tool Length:	582.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc.
PO Box 1469
Plainfield, IL 60544-3469
ATTN: Steve Angle

SK 1-13
13-10-31 Thomas, KS
Job Ticket: 34237 **DST#: 5**
Test Start: 2009.04.02 @ 03:38:45

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	21000 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1200.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
126.00	MW 30%M 70%W	1.767
126.00	MW 50%M 50%W	1.767
220.00	WM 10%W 90%M	3.086
0.00	Spots of oil in tool	0.000

Total Length: 472.00 ft Total Volume: 6.620 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW: .320 @ 68 Degrees F = 21000 chlorides.

Pressure vs. Time

