

15-007-23074

Raymond Oil Co. Inc.

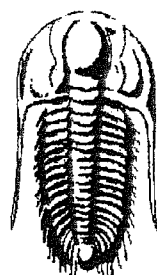
Rogers #1

11 32S14W Barber KS

DST # 1

Root-Stoller

2006.10.29



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Co. Inc.**

PO Box 48788
Wichita KS 67201

ATTN: Rocky Milford

11 32S14W Barber KS

Rogers #1

Start Date: 2006.10.29 @ 16:48:54

End Date: 2006.10.29 @ 23:28:24

Job Ticket #: 25455 DST #: 1

15-007-23074-00-00

DST #1 - #2 - 4 #3

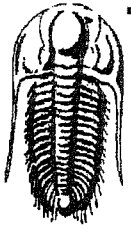
S2 S2 NENE

1250 FNL 660 FEL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Raymond Oil Co. Inc.

Rogers #1

PO Box 48788
Wichita KS 67201

11 32S14W Barber KS

Job Ticket: 25455

DST#: 1

ATTN: Rocky Milford

Test Start: 2006.10.29 @ 16:48:54

GENERAL INFORMATION:

Formation: **Root-Stotler**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:21:24
 Time Test Ended: 23:28:24

Test Type: Conventional Bottom Hole
 Tester: Gerald Adams
 Unit No: 36

Interval: **2877.00 ft (KB) To 2983.00 ft (KB) (TVD)**
 Total Depth: 2983.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1677.00 ft (KB)
 1666.00 ft (CF)
 KB to GR/CF: 11.00 ft

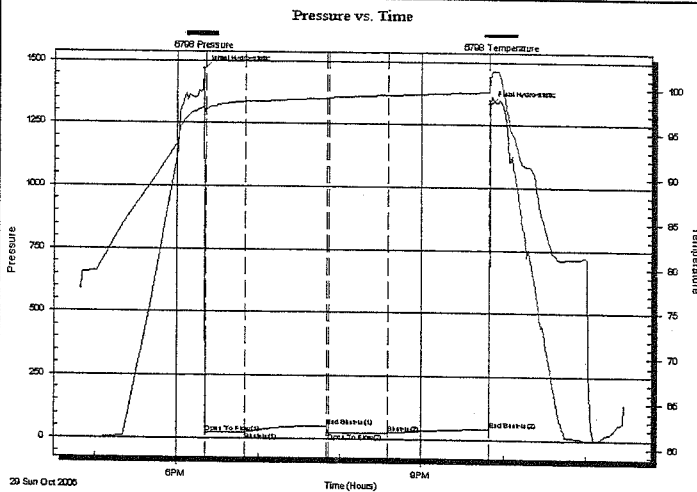
Serial #: 6798

Inside

Press@RunDepth: 23.92 psig @ 2879.00 ft (KB)
 Start Date: 2006.10.29 End Date: 2006.10.29
 Start Time: 16:48:59 End Time: 23:28:23

Capacity: 7000.00 psig
 Last Calib.: 2006.10.29
 Time On Btm: 2006.10.29 @ 18:19:54
 Time Off Btm: 2006.10.29 @ 21:50:23

TEST COMMENT: IF Fair blow Built to 7 "
 ISI Weak surface blow
 FF Weak blow Built to 3 1/2 "
 FSI No blow



PRESSURE SUMMARY

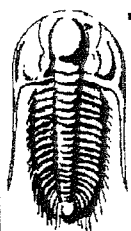
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1465.15	97.85	Initial Hydro-static
2	19.74	97.39	Open To Flow (1)
31	22.99	98.47	Shut-In(1)
90	48.90	98.90	End Shut-In(1)
92	22.92	98.92	Open To Flow(2)
136	23.92	99.27	Shut-In(2)
210	43.42	99.68	End Shut-In(2)
211	1331.88	101.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	Drilling Mud 100%M	0.35
0.00		0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raymond Oil Co. Inc.

Rogers #1

PO Box 48788
Wichita KS 67201

11 32S14W Barber KS

Job Ticket: 25455

DST#: 1

ATTN: Rocky Milford

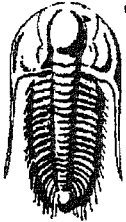
Test Start: 2006.10.29 @ 16:48:54

Tool Information

Drill Pipe:	Length: 2875.00 ft	Diameter: 3.80 inches	Volume: 40.33 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 40.33 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	2877.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	106.00 ft			
Tool Length:	134.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:
Tool slid 5' to bottom.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			2854.00	
Hydraulic tool	5.00			2859.00	
Jars	5.00			2864.00	
Safety Joint	3.00			2867.00	
Packer	5.00			2872.00	28.00 Bottom Of Top Packer
Packer	5.00			2877.00	
Stubb	1.00			2878.00	
Change Over Sub	1.00			2879.00	
Recorder	0.00	6798	Inside	2879.00	
Blank Spacing	63.00			2942.00	
Change Over Sub	1.00			2943.00	
Perforations	37.00			2980.00	
Recorder	0.00	13249	Outside	2980.00	
Bullnose	3.00			2983.00	106.00 Bottom Packers & Anchor
Total Tool Length:		134.00			



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Co. Inc.

Rogers #1

PO Box 48788
Wichita KS 67201

11 32S14W Barber KS

Job Ticket: 25455

DST#: 1

ATTN: Rocky Milford

Test Start: 2006.10.29 @ 16:48:54

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:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
25.00	Drilling Mud 100%M	0.351
0.00		0.000

Total Length: 25.00 ft

Total Volume: 0.351 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6798

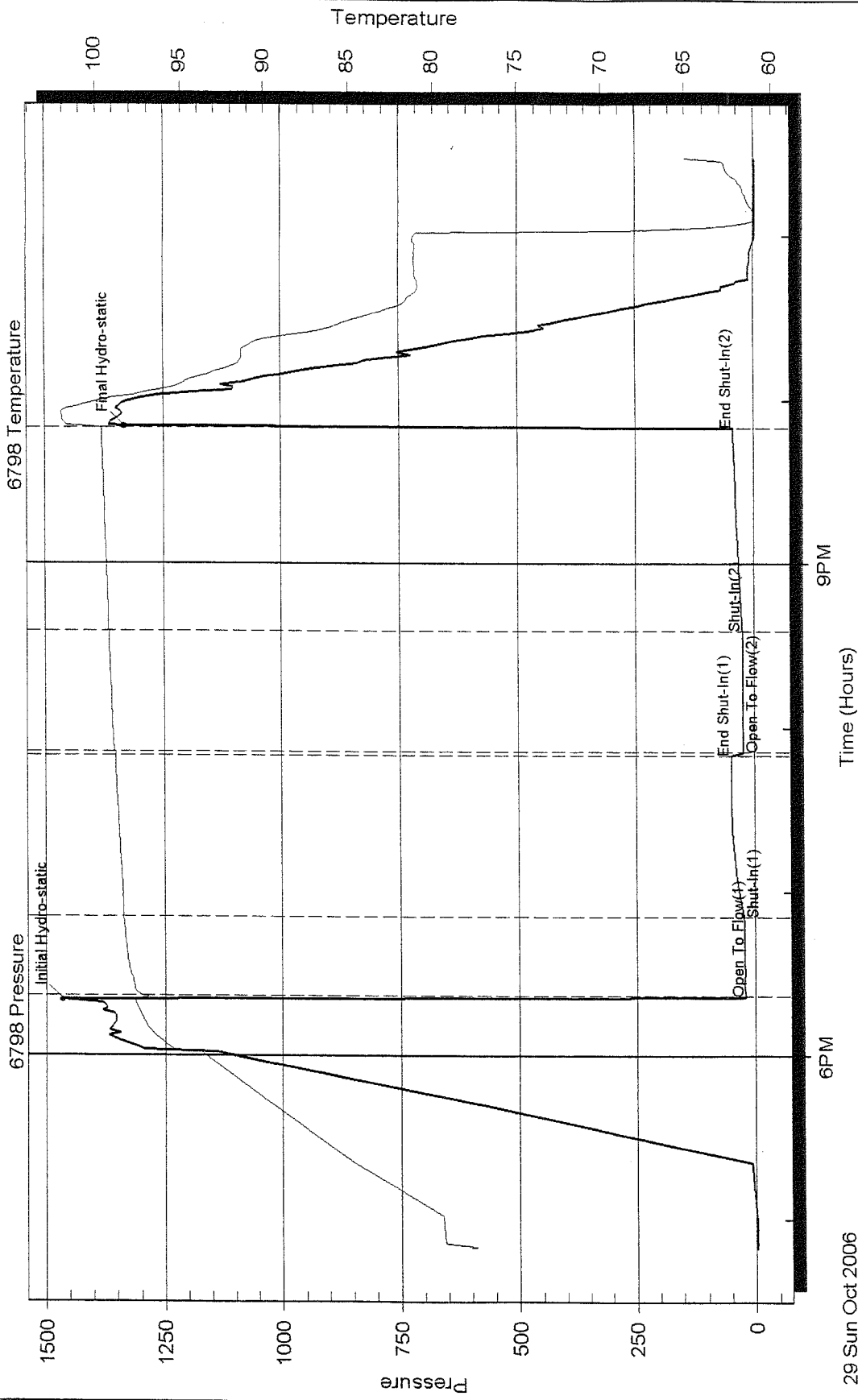
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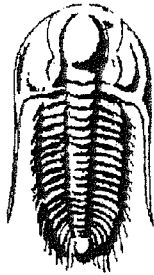
Raymond Oil Co. Inc.

11 32St14W Barber KS

DST Test Number: 1

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Co Inc**

PO Box 48788
Wichita KS 67201

ATTN: Rocky Milford

11 32S14W Barber KS

Rogers #1

Start Date: 2006.11.01 @ 04:40:11

End Date: 2006.11.01 @ 14:14:28

Job Ticket #: 25456 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Raymond Oil Co Inc

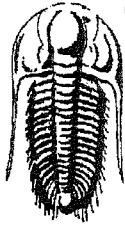
Rogers #1

11 32S14W Barber KS

DST # 2

Lans./K.C.-35' Zone

2006.11.01



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Raymond Oil Co Inc

Rogers #1

PO Box 48788
Wichita KS 67201

11 32S14W Barber KS

Job Ticket: 25456

DST#: 2

ATTN: Rocky Milford

Test Start: 2006.11.01 @ 04:40:11

GENERAL INFORMATION:

Formation: **Lans .K.C.-35' Zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:32:11

Time Test Ended: 14:14:28

Test Type: Conventional Bottom Hole

Tester: Gerald Adams

Unit No: 36

Interval: **3908.00 ft (KB) To 3926.00 ft (KB) (TVD)**

Total Depth: 3926.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1677.00 ft (KB)

1666.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6798

Inside

Press@RunDepth: 925.93 psig @ 3909.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.11.01

End Date:

2006.11.01

Last Calib.: 2006.11.01

Start Time: 04:40:16

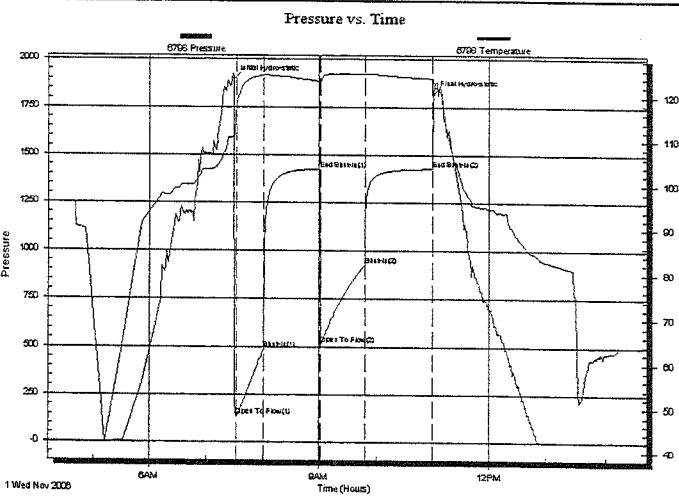
End Time:

14:14:29

Time On Btm: 2006.11.01 @ 07:29:41

Time Off Btm: 2006.11.01 @ 11:01:10

TEST COMMENT: IF Strong blow BOB in 15 secs. GTS in 14 mins. (see gas flow report)
ISI Strong blow BOB in 20 secs. after 8 min. bleed off
FF Strong blow BOB in 2 mins. (caught gas sample)
FSI Weak blow Built to



PRESSURE SUMMARY

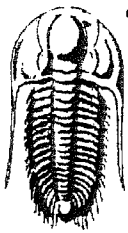
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1898.20	111.04	Initial Hydro-static
3	138.96	117.79	Open To Flow (1)
32	488.20	124.75	Shut-In(1)
91	1428.27	123.32	End Shut-In(1)
92	514.01	123.08	Open To Flow (2)
138	925.93	125.06	Shut-In(2)
211	1429.81	124.08	End Shut-In(2)
212	1819.27	124.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
350.00	HGO&WCM 26%g 23%o 30%w 21% m	4.91
62.00	SMC/W/oil scum 95%w 5% m	0.87
1418.00	Saltwater 100%W	19.89
0.00	2073' GIP	0.00
0.00	RW= .057 @ 55 deg. 195000 ppm	0.00
0.00		0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	4.00	-
Last Gas Rate	0.13	3.50	6.74
Max. Gas Rate	0.25	5.00	30.94



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raymond Oil Co Inc

Rogers #1

PO Box 48788
Wichita KS 67201

11 32S14W Barber KS

Job Ticket: 25456

DST#: 2

ATTN: Rocky Milford

Test Start: 2006.11.01 @ 04:40:11

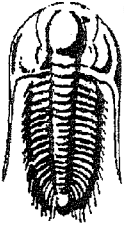
Tool Information

Drill Pipe:	Length: 3903.00 ft	Diameter: 3.80 inches	Volume: 54.75 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			Total Volume: 54.75 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3908.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	41.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3890.00	
Hydraulic tool	5.00			3895.00	
Safety Joint	3.00			3898.00	
Packer	5.00			3903.00	23.00 Bottom Of Top Packer
Packer	5.00			3908.00	
Stubb	1.00			3909.00	
Recorder	0.00	6798	Inside	3909.00	
Perforations	14.00			3923.00	
Recorder	0.00	13249	Outside	3923.00	
Bullnose	3.00			3926.00	18.00 Bottom Packers & Anchor
Total Tool Length:	41.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Co Inc

Rogers #1

PO Box 48788
Wichita KS 67201

11 32S14W Barber KS

Job Ticket: 25456

DST#: 2

ATTN: Rocky Milford

Test Start: 2006.11.01 @ 04:40:11

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: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
350.00	HGO&WCM 26%g 23%o 30%w 21%m	4.910
62.00	SMCWw/oil scum 95%w 5%m	0.870
1418.00	Saltwater 100%W	19.891
0.00	2073' GIP	0.000
0.00	RW=.057 @ 55 deg. 195000 ppm	0.000
0.00		0.000

Total Length: 1830.00 ft

Total Volume: 25.671 bbl

Num Fluid Samples: 0

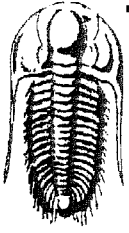
Num Gas Bombs: 1

Serial #: GA-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Raymond Oil Co Inc

Rogers #1

PO Box 48788
Wichita KS 67201

11 32S14W Barber KS

Job Ticket: 25456

DST#: 2

ATTN: Rocky Milford

Test Start: 2006.11.01 @ 04:40:11

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	15	0.25	4.00	-1586395.18
1	15	0.25	4.00	29.35
1	20	0.25	5.00	30.94
1	30	0.25	4.50	30.14
2	10	0.13	2.50	6.36
2	20	0.13	3.00	6.55
2	30	0.13	3.00	6.55
2	40	0.13	3.25	6.64
2	45	0.13	3.50	6.74

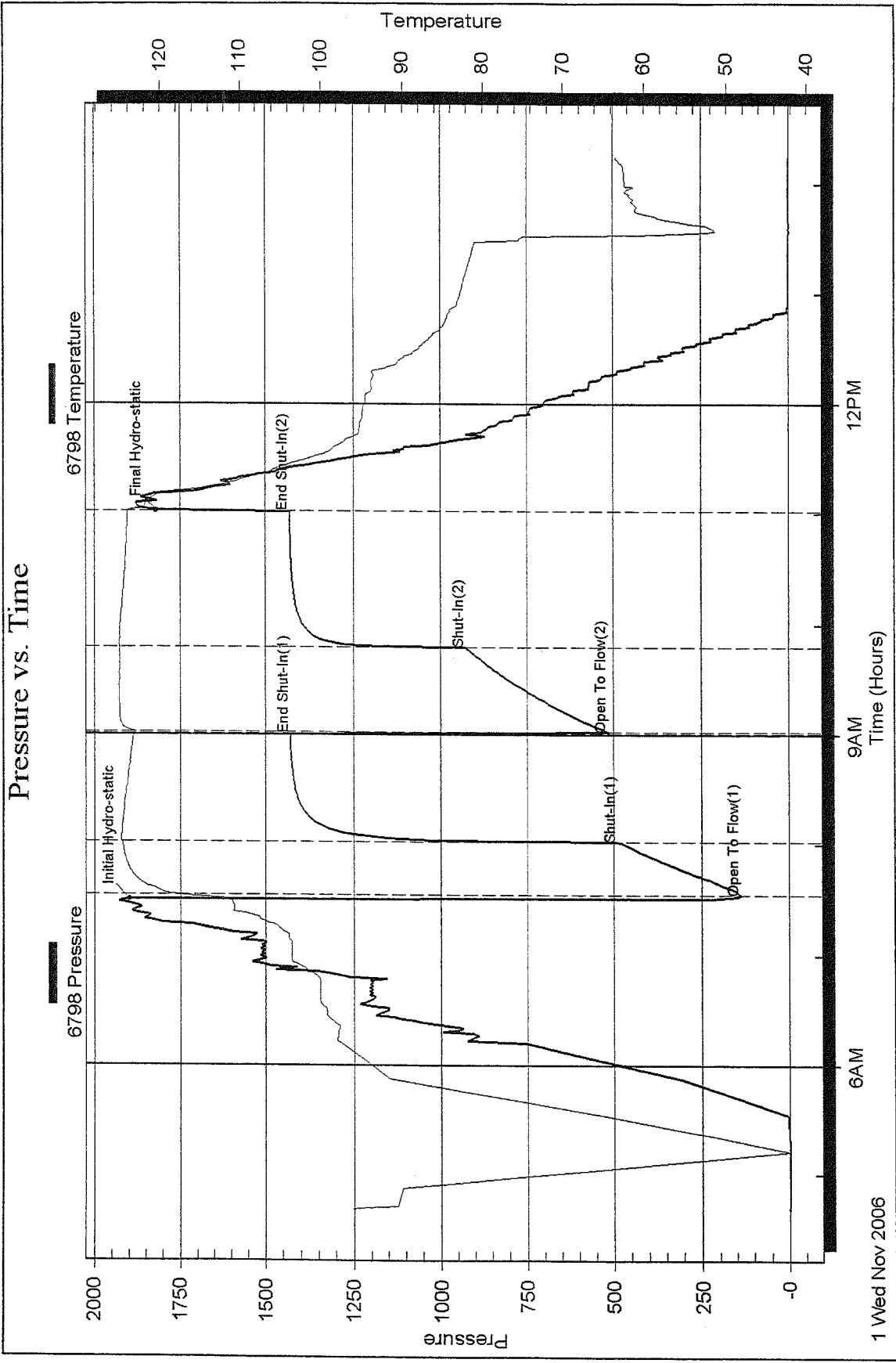
DST Test Number: 2

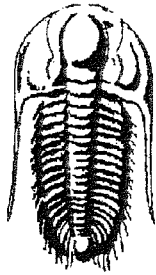
11 32S14W Barber KS

Raymond Oil Co Inc

Inside

Serial #: 6798





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Co Inc**

PO Box 48788
Wichita KS 67201

ATTN: Rocky Milford

11 32S14W Barber KS

Rogers #1

Start Date: 2006.11.02 @ 06:27:43

End Date: 2006.11.02 @ 14:32:13

Job Ticket #: 25457 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Raymond Oil Co Inc

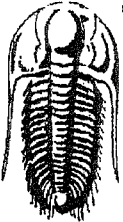
Rogers #1

11 32S14W Barber KS

DST # 3

Lans./K.C. 40' Zone

2006.11.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Raymond Oil Co Inc

Rogers #1

PO Box 48788
Wichita KS 67201

11 32S14W Barber KS

Job Ticket: 25457 **DST#: 3**

ATTN: Rocky Miford

Test Start: 2006.11.02 @ 06:27:43

GENERAL INFORMATION:

Formation: **Lans./K.C. 40' Zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:33:43

Time Test Ended: 14:32:13

Test Type: Conventional Bottom Hole

Tester: Gerald Adams

Unit No: 36

Interval: **4091.00 ft (KB) To 4104.00 ft (KB) (TVD)**

Reference Elevations: 1677.00 ft (KB)

Total Depth: 4104.00 ft (KB) (TVD)

1666.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6798

Inside

Press@RunDepth: 124.55 psig @ 4092.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.11.02

End Date:

2006.11.02

Last Calib.: 2006.11.02

Start Time: 06:27:48

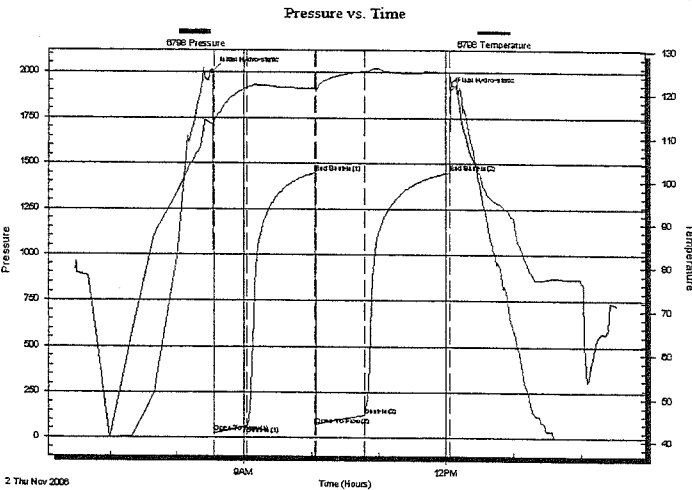
End Time:

14:32:12

Time On Btm: 2006.11.02 @ 08:32:13

Time Off Btm: 2006.11.02 @ 12:04:12

TEST COMMENT: IF Strong blow BOB in 70 secs.
ISI Weak blow Built to 1 1/2 "
FF Fair blow BOB in 9 mins.
FSI Weak blow Built to 1 "



PRESSURE SUMMARY

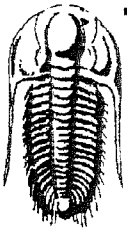
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2005.50	113.03	Initial Hydro-static
2	25.70	113.72	Open To Flow (1)
31	63.50	121.61	Shut-In(1)
91	1450.35	121.46	End Shut-In(1)
92	70.62	121.42	Open To Flow (2)
135	124.55	125.42	Shut-In(2)
211	1453.14	125.14	End Shut-In(2)
212	1900.11	123.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	GO&WCM 12%G 20%O 35%W 33%M	1.75
120.00	SMCW w/Oil scum 90%W 10%M	1.68
0.00	1555' GIP	0.00
0.00	RW=.053 @ 64 deg. 180000 ppm	0.00
0.00		0.00

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raymond Oil Co Inc

Rogers #1

PO Box 48788
Wichita KS 67201

11 32S14W Barber KS

Job Ticket: 25457

DST#: 3

ATTN: Rocky Milford

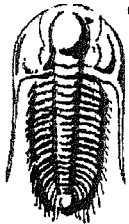
Test Start: 2006.11.02 @ 06:27:43

Tool Information

Drill Pipe:	Length: 4093.00 ft	Diameter: 3.80 inches	Volume: 57.41 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 57.41 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	4091.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 ft			
Tool Length:	36.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4073.00	
Hydraulic tool	5.00			4078.00	
Safety Joint	3.00			4081.00	
Packer	5.00			4086.00	23.00 Bottom Of Top Packer
Packer	5.00			4091.00	
Stubb	1.00			4092.00	
Recorder	0.00	6798	Inside	4092.00	
Perforations	9.00			4101.00	
Recorder	0.00	13249	Outside	4101.00	
Bullnose	3.00			4104.00	13.00 Bottom Packers & Anchor
Total Tool Length:	36.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Co Inc

Rogers #1

PO Box 48788
Wichita KS 67201

11 32S14W Barber KS

Job Ticket: 25457 **DST#: 3**

ATTN: Rocky Milford

Test Start: 2006.11.02 @ 06:27:43

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: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	GO&WCM 12%G 20%O 35%W 33%M	1.753
120.00	SMCW w/Oil scum 90%W 10%M	1.683
0.00	1555' GIP	0.000
0.00	RW= .053 @ 64 deg. 180000 ppm	0.000
0.00		0.000

Total Length: 245.00 ft

Total Volume: 3.436 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

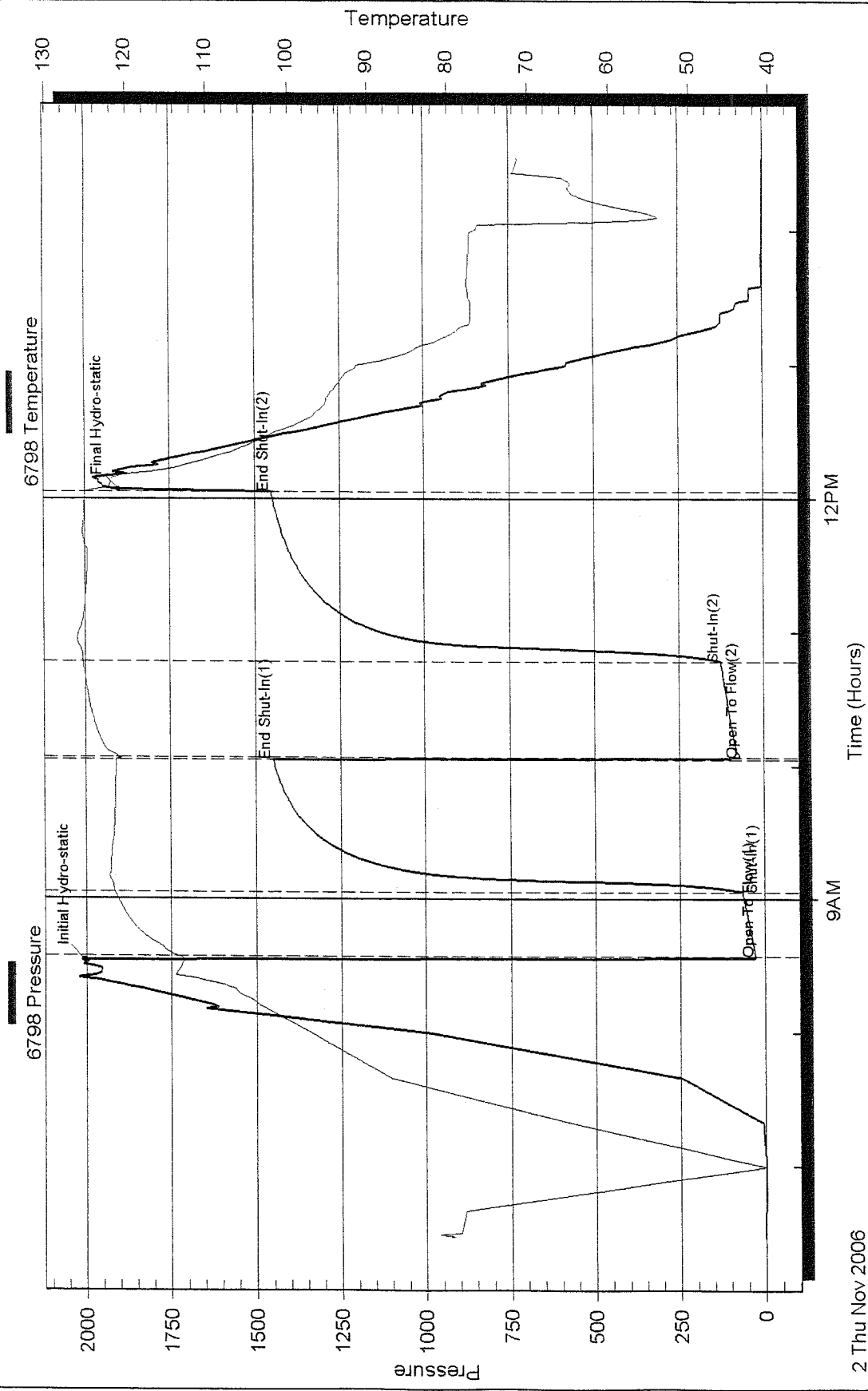
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



2 Thu Nov 2006

12PM

9AM

Time (Hours)