

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Co Inc**

PO Box 48788
Wichita KS 67201

ATTN: Clarke Sandberg

7-19s-12w Barton KS

Little #1

Start Date: 2001.05.06 @ 14:38:47

End Date: 2001.05.06 @ 20:58:16

Job Ticket #: 14658 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Raymond Oil Co Inc

Little #1

7-19s-12w Barton KS

DST # 1

LKC

2001.05.06



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Raymond Oil Co Inc

Little #1

PO Box 48788
Wichita KS 67201

7-19s-12w Barton KS

Job Ticket: 14658

DST#: 1

ATTN: Clarke Sandberg

Test Start: 2001.05.06 @ 14:38:47

GENERAL INFORMATION:

Formation: LKC

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:05:16

Time Test Ended: 20:58:16

Test Type: Conventional Straddle

Tester: Ray Schwager

Unit No: 16

Interval: 3149.00 ft (KB) To 3195.00 ft (KB) (TVD)

Reference Elevations: 1831.00 ft (KB)

Total Depth: 3203.00 ft (KB) (TVD)

1826.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 3024

Inside

Press@RunDepth: 16.87 psig @ 3155.02 ft (KB)

Capacity: 7000.00 psig

Start Date: 2001.05.06

End Date:

2001.05.06

Last Calib.: 2001.05.06

Start Time: 14:38:47

End Time:

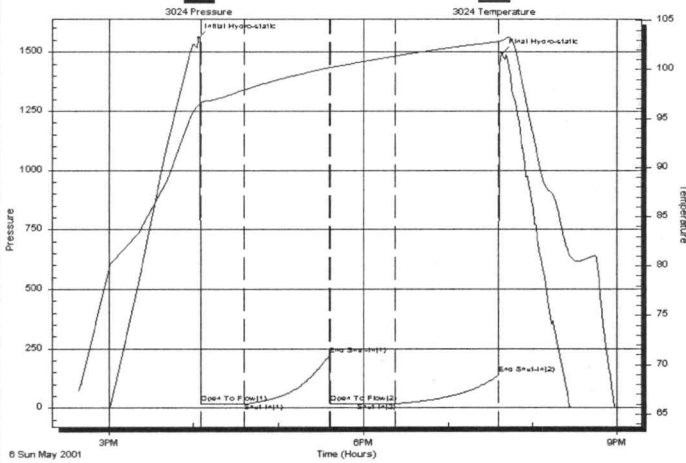
20:58:16

Time On Btm: 2001.05.06 @ 16:03:16

Time Off Btm: 2001.05.06 @ 19:38:16

TEST COMMENT: IFP-w k bl died in 25min FFP-no blow times 30-60-45-75

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1558.56	96.36	Initial Hydro-static
2	15.67	96.64	Open To Flow (1)
33	16.93	97.95	Shut-In(1)
93	221.08	100.21	End Shut-In(1)
93	17.21	100.23	Open To Flow (2)
139	16.87	101.38	Shut-In(2)
213	138.29	102.84	End Shut-In(2)
215	1493.40	102.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud w/show of oil	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raymond Oil Co Inc

Little #1

PO Box 48788
Wichita KS 67201

7-19s-12w Barton KS

Job Ticket: 14658

DST#: 1

ATTN: Clarke Sandberg

Test Start: 2001.05.06 @ 14:38:47

Tool Information

Drill Pipe:	Length: 3131.00 ft	Diameter: 3.80 inches	Volume: 43.92 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 43.92 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3149.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	3195.02 ft			
Interval between Packers:	46.02 ft			
Tool Length:	81.03 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3127.00	
S.I. Tool	5.00			3132.00	
HYD S.I. Tool	5.00			3137.00	
Safety Joint	2.00			3139.00	
Packer	5.00			3144.00	23.00 Bottom Of Top Packer
Packer	5.00			3149.00	
Stubb	1.00			3150.00	
Recorder	0.01	11085	Outside	3150.01	
Perforations	4.00			3154.01	
C.O. Sub	1.00			3155.01	
Recorder	0.01	3024	Inside	3155.02	
Blank Spacing	30.00			3185.02	
C.O. Sub	1.00			3186.02	
Perforations	5.00			3191.02	
Blank Off Sub	1.00			3192.02	
T.C.	3.00			3195.02	46.02 Tool Interval
Packer	5.00			3200.02	
Stubb	1.00			3201.02	
Perforations	3.00			3204.02	
Recorder	0.01	13547	Below	3204.03	
Bullnose	3.00			3207.03	12.01 Bottom Packers & Anchor
Total Tool Length:		81.03			



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Co Inc

Little #1

PO Box 48788
Wichita KS 67201

7-19s-12w Barton KS

ATTN: Clarke Sandberg

Job Ticket: 14658

DST#: 1

Test Start: 2001.05.06 @ 14:38:47

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: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.09 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud w /show of oil	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:

Serial #: 3024

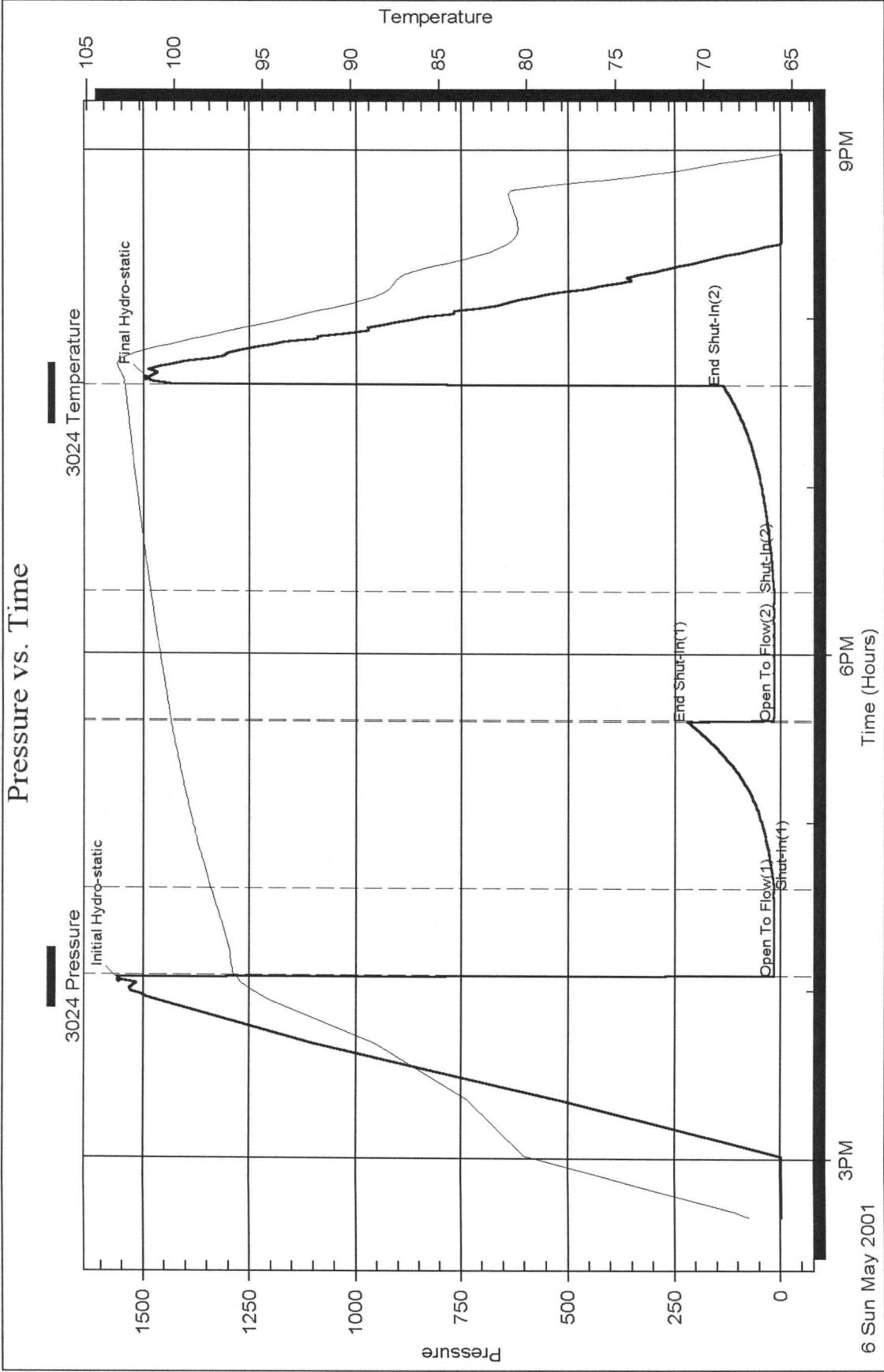
Inside

Raymond Oil Co Inc

7-19s-12w Barton KS

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Co Inc**

PO Box 48788
Wichita KS 67201

ATTN: Clarke Sandberg

7-19s-12w Barton KS

Little #1

Start Date: 2001.05.07 @ 17:04:15

End Date: 2001.05.08 @ 00:27:44

Job Ticket #: 14659 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Raymond Oil Co Inc

Little #1

7-19s-12w Barton KS

DST # 2

Arbuckle

2001.05.07



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Raymond Oil Co Inc
 PO Box 48788
 Wichita KS 67201
 ATTN: Clarke Sandberg

Little #1
7-19s-12w Barton KS
 Job Ticket: 14659 **DST#: 2**
 Test Start: 2001.05.07 @ 17:04:15

GENERAL INFORMATION:

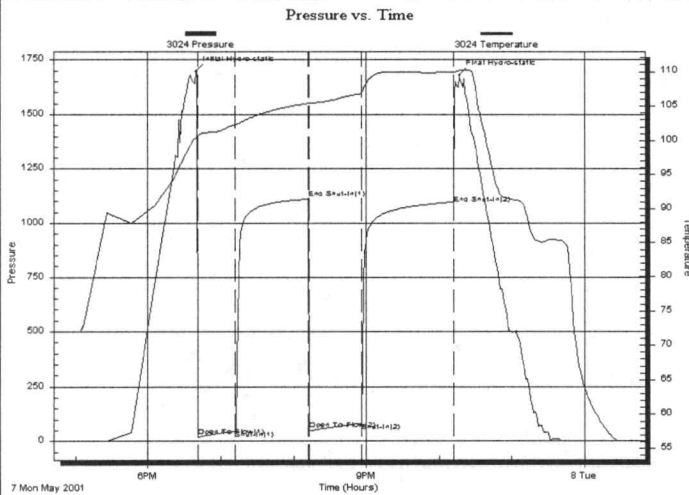
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:41:14
 Time Test Ended: 00:27:44
 Interval: **3359.00 ft (KB) To 3427.00 ft (KB) (TVD)**
 Total Depth: 3203.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Ray Schwager
 Unit No: 16
 Reference Elevations: 1831.00 ft (KB)
 1826.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 3024

Inside

Press@RunDepth: 82.32 psig @ 3365.02 ft (KB) Capacity: 7000.00 psig
 Start Date: 2001.05.07 End Date: 2001.05.08 Last Calib.: 2001.05.08
 Start Time: 17:04:15 End Time: 00:27:44 Time On Btm: 2001.05.07 @ 18:39:44
 Time Off Btm: 2001.05.07 @ 22:16:44

TEST COMMENT: IFP-w k bl throughout 1/2"to 2"bl FFP-w k bl throughout 1/4"to2"bl times 30-60-45-75



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1698.21	100.43	Initial Hydro-static
2	17.71	100.69	Open To Flow (1)
32	46.31	102.29	Shut-In(1)
92	1111.28	105.39	End Shut-In(1)
93	48.05	105.44	Open To Flow (2)
137	82.32	107.06	Shut-In(2)
213	1085.70	109.97	End Shut-In(2)
217	1680.05	110.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
140.00	muddy w ater 45% mud 55% w ater	1.96

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raymond Oil Co Inc

Little #1

PO Box 48788
Wichita KS 67201

7-19s-12w Barton KS

Job Ticket: 14659

DST#: 2

ATTN: Clarke Sandberg

Test Start: 2001.05.07 @ 17:04:15

Tool Information

Drill Pipe:	Length: 3349.00 ft	Diameter: 3.80 inches	Volume: 46.98 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 46.98 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3359.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.02 ft			
Tool Length:	91.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3337.00	
S.I. Tool	5.00			3342.00	
HYD S.I. Tool	5.00			3347.00	
Safety Joint	2.00			3349.00	
Packer	5.00			3354.00	23.00 Bottom Of Top Packer
Packer	5.00			3359.00	
Stubb	1.00			3360.00	
Recorder	0.01	11085	Outside	3360.01	
Perforations	4.00			3364.01	
C.O. Sub	1.00			3365.01	
Recorder	0.01	3024	Inside	3365.02	
Blank Spacing	31.00			3396.02	
C.O. Sub	1.00			3397.02	
Perforations	27.00			3424.02	
Bullnose	3.00			3427.02	68.02 Bottom Packers & Anchor

Total Tool Length: 91.02



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FLUID SUMMARY

Raymond Oil Co Inc

Little #1

PO Box 48788
Wichita KS 67201

7-19s-12w Barton KS

ATTN: Clarke Sandberg

Job Ticket: 14659

DST#: 2

Test Start: 2001.05.07 @ 17:04:15

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:	28000 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.92 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 12000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

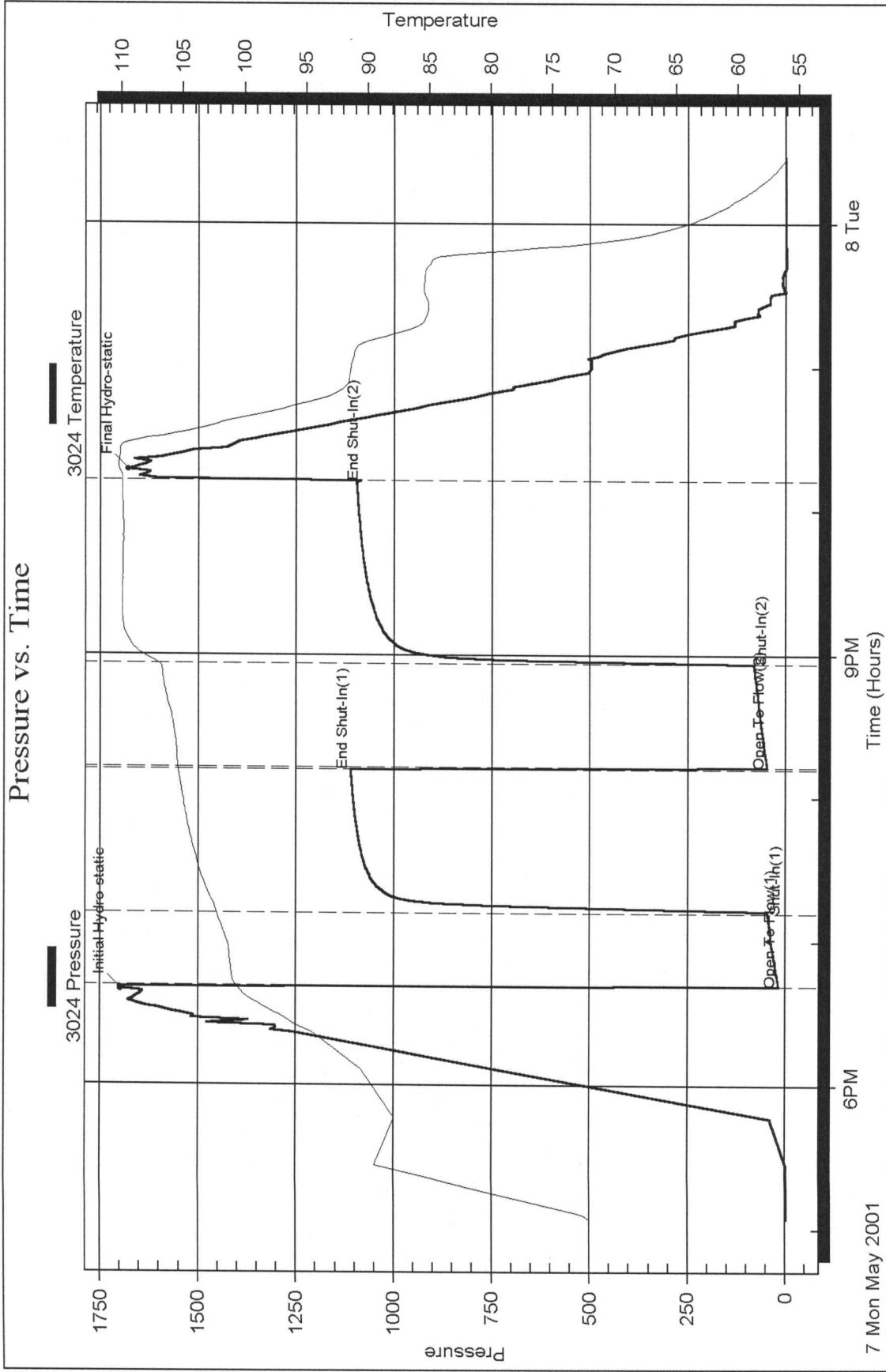
Length ft	Description	Volume bbl
140.00	muddy w ater 45% mud 55% w ater	1.964

Total Length: 140.00 ft Total Volume: 1.964 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW.3 @ 60F





DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Co Inc**

PO Box 48788
Wichita KS 67201

ATTN: Clarke Sandberg

7-19s-12w Barton KS

Little #1

Start Date: 2001.05.08 @ 09:02:51

End Date: 2001.05.08 @ 12:58:20

Job Ticket #: 14660 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Raymond Oil Co Inc

Little #1

7-19s-12w Barton KS

DST # 3

Toronto

2001.05.08



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Raymond Oil Co Inc
PO Box 48788
Wichita KS 67201
ATTN: Clarke Sandberg

Little #1
7-19s-12w Barton KS
Job Ticket: 14660 **DST#: 3**
Test Start: 2001.05.08 @ 09:02:51

GENERAL INFORMATION:

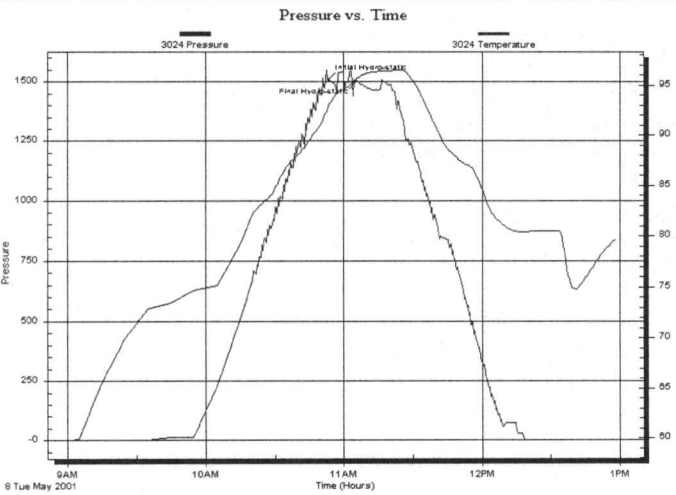
Formation: **Toronto**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:00:00
Time Test Ended: 12:58:20
Interval: **3012.00 ft (KB) To 3051.00 ft (KB) (TVD)**
Total Depth: 3427.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair
Test Type: Conventional Straddle
Tester: Ray Schwager
Unit No: 16
Reference Elevations: 1831.00 ft (KB)
1826.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 3024

Inside

Press@RunDepth: psig @ 3020.02 ft (KB) Capacity: 7000.00 psig
Start Date: 2001.05.08 End Date: 2001.05.08 Last Calib.: 2001.05.08
Start Time: 09:02:51 End Time: 12:58:20 Time On Btm: 2001.05.08 @ 10:53:20
Time Off Btm: 2001.05.08 @ 11:05:20

TEST COMMENT: packers did not hold set twice



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1507.77	92.89	Initial Hydro-static
12	1503.15	95.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
140.00	mud	1.96

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raymond Oil Co Inc

Little #1

PO Box 48788
Wichita KS 67201

7-19s-12w Barton KS

Job Ticket: 14660

DST#: 3

ATTN: Clarke Sandberg

Test Start: 2001.05.08 @ 09:02:51

Tool Information

Drill Pipe:	Length: 3009.00 ft	Diameter: 3.80 inches	Volume: 42.21 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 42.21 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3012.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	3051.02 ft			
Interval between Packers:	39.02 ft			
Tool Length:	443.03 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			2990.00	
S.I. Tool	5.00			2995.00	
HYD S.I. Tool	5.00			3000.00	
Safety Joint	2.00			3002.00	
Packer	5.00			3007.00	23.00 Bottom Of Top Packer
Packer	5.00			3012.00	
Stubb	1.00			3013.00	
Recorder	0.01	11085	Outside	3013.01	
Perforations	7.00			3020.01	
Recorder	0.01	3024	Inside	3020.02	
Perforations	27.00			3047.02	
Blank Off Sub	1.00			3048.02	
T.C.	3.00			3051.02	39.02 Tool Interval
Packer	5.00			3056.02	
Stubb	1.00			3057.02	
Perforations	4.00			3061.02	
Recorder	0.01	13547	Below	3061.03	
C.O. Sub	1.00			3062.03	
Blank Spacing	366.00			3428.03	
C.O. Sub	1.00			3429.03	
Bullnose	3.00			3432.03	381.01 Bottom Packers & Anchor
Total Tool Length:		443.03			



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Co Inc

Little #1

PO Box 48788
Wichita KS 67201

7-19s-12w Barton KS

ATTN: Clarke Sandberg

Job Ticket: 14660

DST#: 3

Test Start: 2001.05.08 @ 09:02:51

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.95 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 12000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

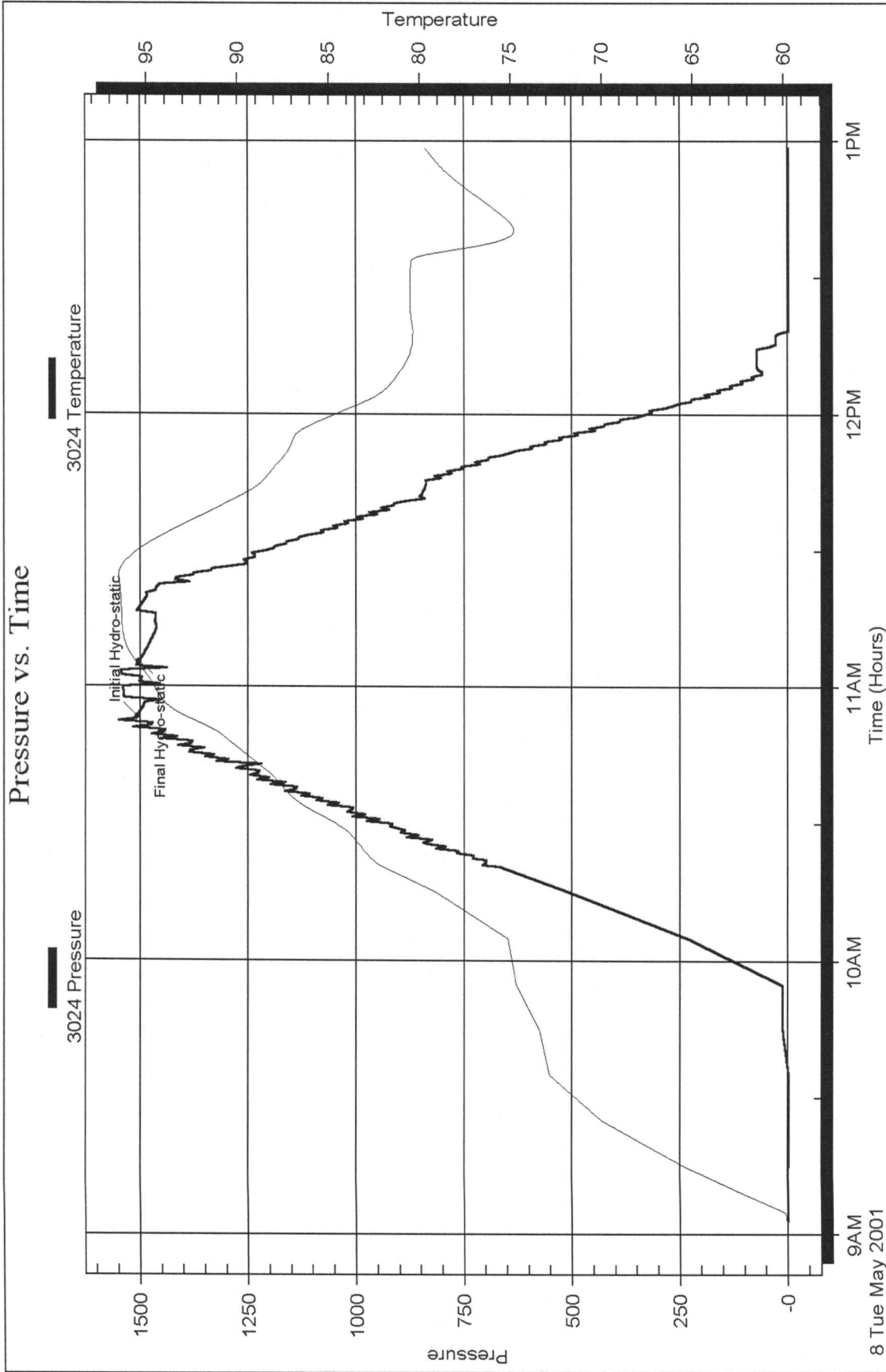
Length ft	Description	Volume bbl
140.00	mud	1.964

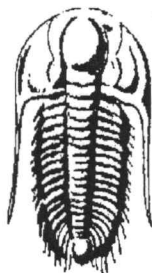
Total Length: 140.00 ft Total Volume: 1.964 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Co Inc**

PO Box 48788
Wichita KS 67201

ATTN: Clarke Sandberg

7-19s-12w Barton KS

Little #1

Start Date: 2001.05.08 @ 13:06:41

End Date: 2001.05.08 @ 20:00:10

Job Ticket #: 14661 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Raymond Oil Co Inc

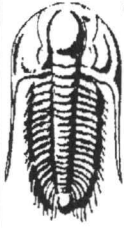
Little #1

7-19s-12w Barton KS

DST # 4

Toronto

2001.05.08



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Raymond Oil Co Inc
PO Box 48788
Wichita KS 67201
ATTN: Clarke Sandberg

Little #1
7-19s-12w Barton KS
Job Ticket: 14661 **DST#: 4**
Test Start: 2001.05.08 @ 13:06:41

GENERAL INFORMATION:

Formation: **Toronto**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:42:10
Time Test Ended: 20:00:10
Interval: **2986.00 ft (KB) To 3190.00 ft (KB) (TVD)**
Total Depth: 3427.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair
Reference Elevations: 1831.00 ft (KB)
1826.00 ft (CF)
KB to GR/CF: 5.00 ft
Test Type: Conventional Straddle
Tester: Ray Schwager
Unit No: 16

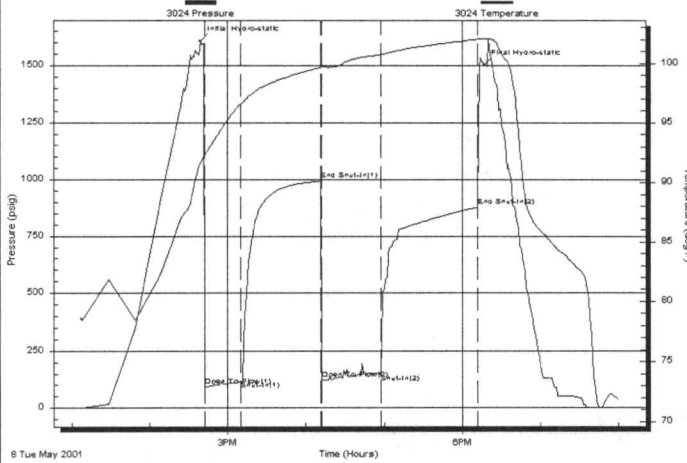
Serial #: 3024

Inside

Press@RunDepth: 145.74 psig @ 2995.02 ft (KB) Capacity: 7000.00 psig
Start Date: 2001.05.08 End Date: 2001.05.08 Last Calib.: 2001.05.08
Start Time: 13:06:41 End Time: 20:00:10 Time On Btm: 2001.05.08 @ 14:39:10
Time Off Btm: 2001.05.08 @ 18:17:10

TEST COMMENT: IFP-w k to fr bl 1"to 5"bl FFP-w k to fr bl 1/2"to 5"bl had blow back on shut-in

Pressure vs. Time



PRESSURE SUMMARY

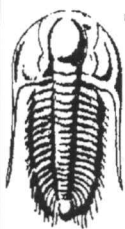
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1609.37	91.71	Initial Hydro-static
3	91.75	92.37	Open To Flow (1)
31	115.18	96.60	Shut-In(1)
93	994.80	99.66	End Shut-In(1)
93	124.33	99.70	Open To Flow (2)
138	145.74	100.72	Shut-In(2)
213	878.52	102.02	End Shut-In(2)
218	1504.19	102.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
140.00	GCM 5%gas 95%mud	1.96

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raymond Oil Co Inc

Little #1

PO Box 48788
Wichita KS 67201

7-19s-12w Barton KS

Job Ticket: 14661

DST#: 4

ATTN: Clarke Sandberg

Test Start: 2001.05.08 @ 13:06:41

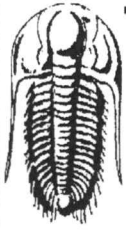
Tool Information

Drill Pipe:	Length: 2982.00 ft	Diameter: 3.80 inches	Volume: 41.83 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: 25000.00 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: 41.83 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	2986.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	3190.02 ft			
Interval between Packers:	204.02 ft			
Tool Length:	468.03 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			2964.00	
S.I. Tool	5.00			2969.00	
HYD S.I. Tool	5.00			2974.00	
Safety Joint	2.00			2976.00	
Packer	5.00			2981.00	23.00 Bottom Of Top Packer
Packer	5.00			2986.00	
Stubb	1.00			2987.00	
Recorder	0.01	11085	Outside	2987.01	
Perforations	7.00			2994.01	
C.O. Sub	1.00			2995.01	
Recorder	0.01	3024	Inside	2995.02	
Blank Spacing	185.00			3180.02	
C.O. Sub	1.00			3181.02	
Perforations	5.00			3186.02	
Blank Off Sub	1.00			3187.02	
T.C.	3.00			3190.02	204.02 Tool Interval
Packer	5.00			3195.02	
Stubb	1.00			3196.02	
Perforations	20.00			3216.02	
Recorder	0.01	13547	Below	3216.03	
C.O. Sub	1.00			3217.03	
Blank Spacing	210.00			3427.03	
C.O. Sub	1.00			3428.03	
Bullnose	3.00			3431.03	241.01 Bottom Packers & Anchor
Total Tool Length:	468.03				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Co Inc

Little #1

PO Box 48788
Wichita KS 67201

7-19s-12w Barton KS

Job Ticket: 14661

DST#: 4

ATTN: Clarke Sandberg

Test Start: 2001.05.08 @ 13:06:41

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:	ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.95 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 9500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
140.00	GCM 5%gas 95%mud	1.964

Total Length: 140.00 ft Total Volume: 1.964 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

