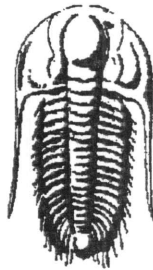


02-32-14W

API #

15-007-23256



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Co Inc**

PO Box 48788
Wichita KS 67201

ATTN: Rocky Milford

2 32S 14W Barber KS

Lake #1

Start Date: 2008.03.07 @ 04:26:27

End Date: 2008.03.07 @ 12:24:42

Job Ticket #: 28841 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Raymond Oil Co Inc

PO Box 48788
Wichita KS 67201

ATTN: Rocky Milford

Lake #1

2 32S 14W Barber KS

Job Ticket: 28841

DST#: 1

Test Start: 2008.03.07 @ 04:26:27

GENERAL INFORMATION:

Formation: **Stotler**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:37:27

Time Test Ended: 12:24:42

Interval: **3055.00 ft (KB) To 3071.00 ft (KB) (TVD)**

Total Depth: 3071.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Esak Hadley

Unit No: 23

Reference Elevations: 1680.00 ft (KB)

1669.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8370

Inside

Press@RunDepth: 36.47 psig @ 3056.00 ft (KB)

Start Date: 2008.03.07

End Date:

2008.03.07

Start Time: 04:26:32

End Time:

12:24:41

Capacity: 7000.00 psig

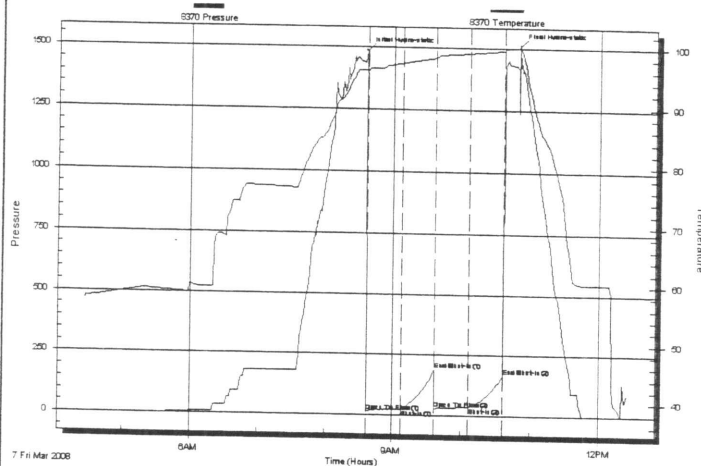
Last Calib.: 2008.03.07

Time On Btm: 2008.03.07 @ 08:36:12

Time Off Btm: 2008.03.07 @ 10:49:57

TEST COMMENT: IF Weak blow No more than 1 "
ISI No blow
FF Weak blow No more than 2 "
FSI No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1486.30	96.26	Initial Hydro-static
2	14.76	95.89	Open To Flow (1)
31	24.90	97.33	Shut-In (1)
61	189.63	98.19	End Shut-In (1)
62	27.21	98.23	Open To Flow (2)
91	36.47	99.05	Shut-In (2)
121	165.64	99.51	End Shut-In (2)
134	1508.88	100.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	O&G CWM 5% O 5% G 20% W 70% M	0.15

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raymond Oil Co Inc

Lake #1

PO Box 48788
Wichita KS 67201

2 32S 14W Barber KS

Job Ticket: 28841

DST#: 1

ATTN: Rocky Milford

Test Start: 2008.03.07 @ 04:26:27

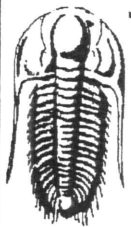
Tool Information

Drill Pipe:	Length: 2873.00 ft	Diameter: 3.80 inches	Volume: 40.30 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: 22000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume: 41.20 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3055.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	43.00 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			3029.00	
Shut In Tool	5.00			3034.00	
Hydraulic tool	5.00			3039.00	
Jars	5.00			3044.00	
Safety Joint	2.00			3046.00	
Packer	4.00			3050.00	27.00 Bottom Of Top Packer
Packer	5.00			3055.00	
Stubb	1.00			3056.00	
Recorder	0.00	8370	Inside	3056.00	
Recorder	0.00	8289	Inside	3056.00	
Perforations	10.00			3066.00	
Bullnose	5.00			3071.00	16.00 Bottom Packers & Anchor

Total Tool Length: 43.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Co Inc

Lake #1

PO Box 48788
Wichita KS 67201

2 32S 14W Barber KS

Job Ticket: 28841

DST#: 1

ATTN: Rocky Milford

Test Start: 2008.03.07 @ 04:26:27

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 42.00 sec/qt

Water Loss: 8.79 in³

Resistivity: 0.00 ohm.m

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	O&GCWM 5%O 5%G 20%W 70%M	0.148

Total Length: 30.00 ft

Total Volume: 0.148 bbl

Num Fluid Samples: 0

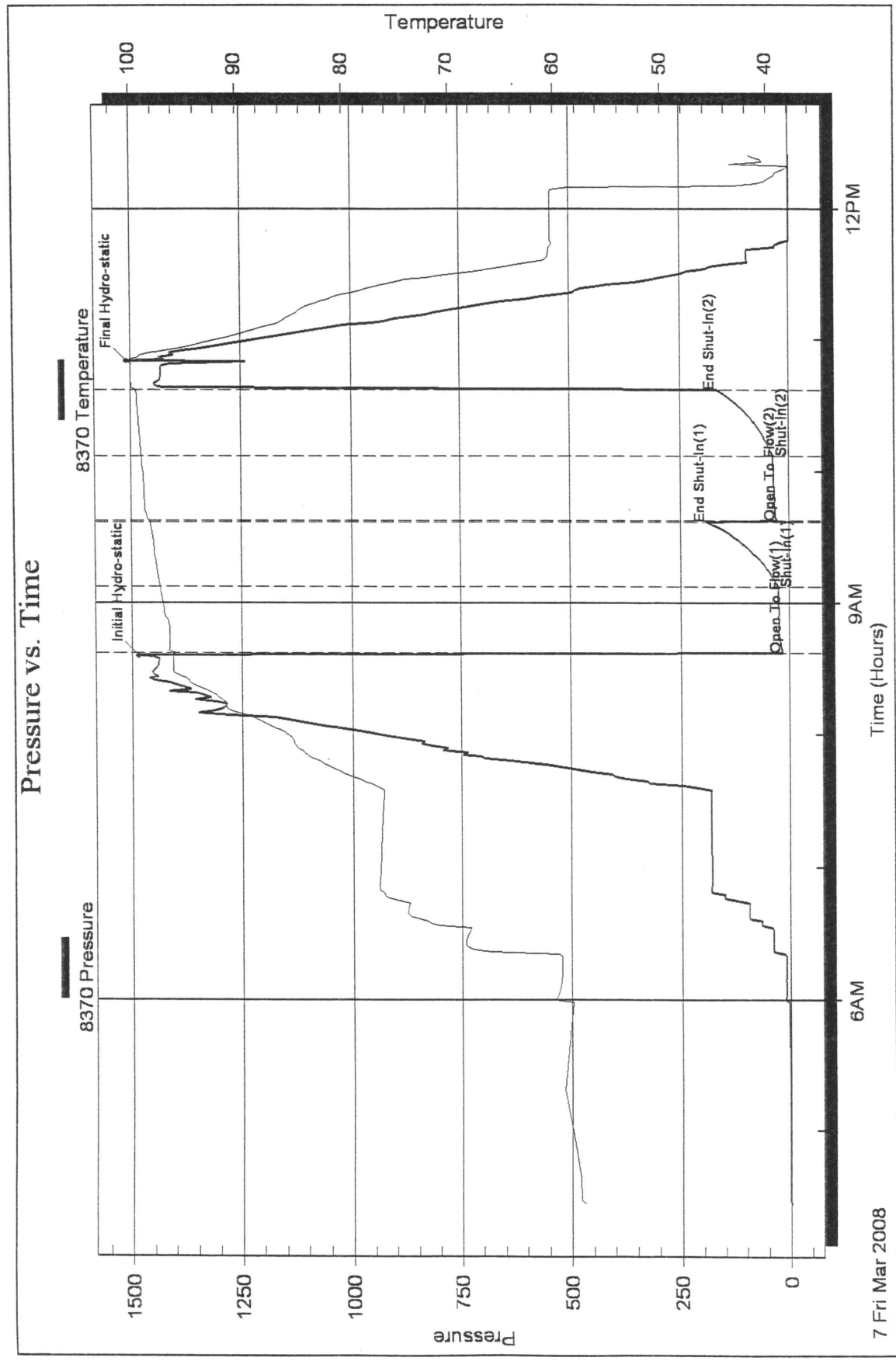
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Co Inc**

PO Box 48788
Wichita KS 67201

ATTN: Rocky Milford

2 32S 14W Barber KS

Lake #1

Start Date: 2008.03.09 @ 00:02:22

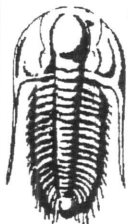
End Date: 2008.03.09 @ 10:26:07

Job Ticket #: 28842 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

Raymond Oil Co Inc

PO Box 48788
Wichita KS 67201

ATTN: Rocky Milford

Lake #1

2 32S 14W Barber KS

Job Ticket: 28842

DST#: 2

Test Start: 2008.03.09 @ 00:02:22

GENERAL INFORMATION:

Formation: **Lecompton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:18:52

Time Test Ended: 10:26:07

Interval: **3504.00 ft (KB) To 3538.00 ft (KB) (TVD)**

Total Depth: 3538.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Esak Hadley

Unit No: 23

Reference Elevations: 1680.00 ft (KB)

1669.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8370

Inside

Press@RunDepth: 131.15 psig @ 3505.00 ft (KB)

Start Date: 2008.03.09

End Date:

2008.03.09

Start Time: 00:02:27

End Time:

10:26:07

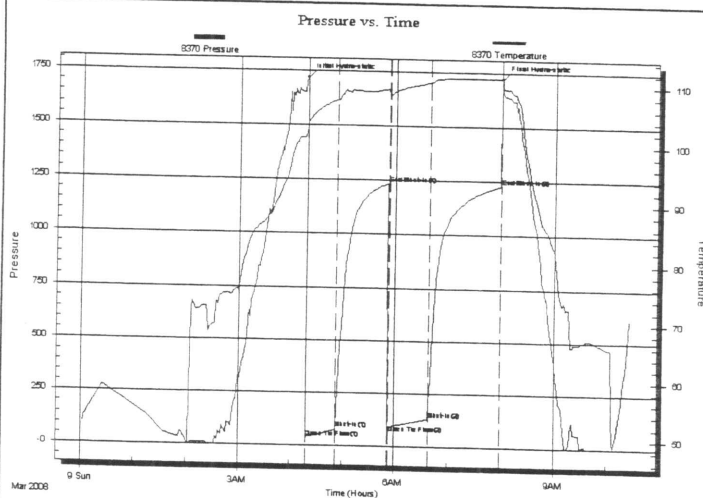
Capacity: 7000.00 psig

Last Calib.: 2008.03.09

Time On Btm: 2008.03.09 @ 04:18:07

Time Off Btm: 2008.03.09 @ 08:00:37

TEST COMMENT: IF Strong blow BOB in 25 sec. GTS in 26 min. (see gas flow report)
ISI Weak blow Slow increase to 3 "
FF Strong blow BOB in 2 sec. (see gas flow report)
FSI Weak blow Surface blow (no more than 1/4



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1718.68	102.83	Initial Hydro-static
1	38.72	103.53	Open To Flow (1)
35	80.08	107.51	Shut-In (1)
94	1232.65	109.33	End Shut-In (1)
95	63.51	108.34	Open To Flow (2)
140	131.15	110.56	Shut-In (2)
222	1225.50	111.35	End Shut-In (2)
223	1724.02	110.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
187.00	GCWM 10%G 40%W 50%M	0.96
93.00	GCWM 10%G 20%W 70%M	1.30

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	10.00	9.13
Last Gas Rate	0.13	10.00	9.13
Max. Gas Rate	0.13	10.00	9.13



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raymond Oil Co Inc

Lake #1

PO Box 48788
Wichita KS 67201

2 32S 14W Barber KS

Job Ticket: 28842

DST#: 2

ATTN: Rocky Milford

Test Start: 2008.03.09 @ 00:02:22

Tool Information

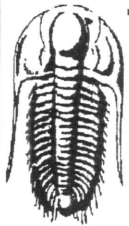
Drill Pipe:	Length: 3318.00 ft	Diameter: 3.80 inches	Volume: 46.54 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose:	65000.00 lb
		Total Volume:	47.44 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	3504.00 ft			Final	65000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	34.00 ft				
Tool Length:	56.00 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			3483.00	
Shut In Tool	5.00			3488.00	
Hydraulic tool	5.00			3493.00	
Safety Joint	2.00			3495.00	
Packer	4.00			3499.00	22.00 Bottom Of Top Packer
Packer	5.00			3504.00	
Stubb	1.00			3505.00	
Recorder	0.00	8370	Inside	3505.00	
Recorder	0.00	8289	Inside	3505.00	
Perforations	28.00			3533.00	
Bullnose	5.00			3538.00	34.00 Bottom Packers & Anchor

Total Tool Length: 56.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Co Inc

Lake #1

PO Box 48788
Wichita KS 67201

2 32S 14W Barber KS

Job Ticket: 28842

DST#: 2

ATTN: Rocky Milford

Test Start: 2008.03.09 @ 00:02:22

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 40.00 sec/qt

Water Loss: 9.59 in³

Resistivity: 0.00 ohm.m

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
187.00	GCWM 10%G 40%W 50%M	0.956
93.00	GCWM 10%G 20%W 70%M	1.305

Total Length: 280.00 ft

Total Volume: 2.261 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Raymond Oil Co Inc

Lake #1

PO Box 48788
Wichita KS 67201

2 32S 14W Barber KS

Job Ticket: 28842

DST#: 2

ATTN: Rocky Milford

Test Start: 2008.03.09 @ 00:02:22

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)
2	5	0.13	10.00	9.13
2	5	0.13	10.00	9.13
2	10	0.13	10.00	9.13
2	15	0.13	10.00	9.13
2	25	0.13	10.00	9.13
2	35	0.13	10.00	9.13

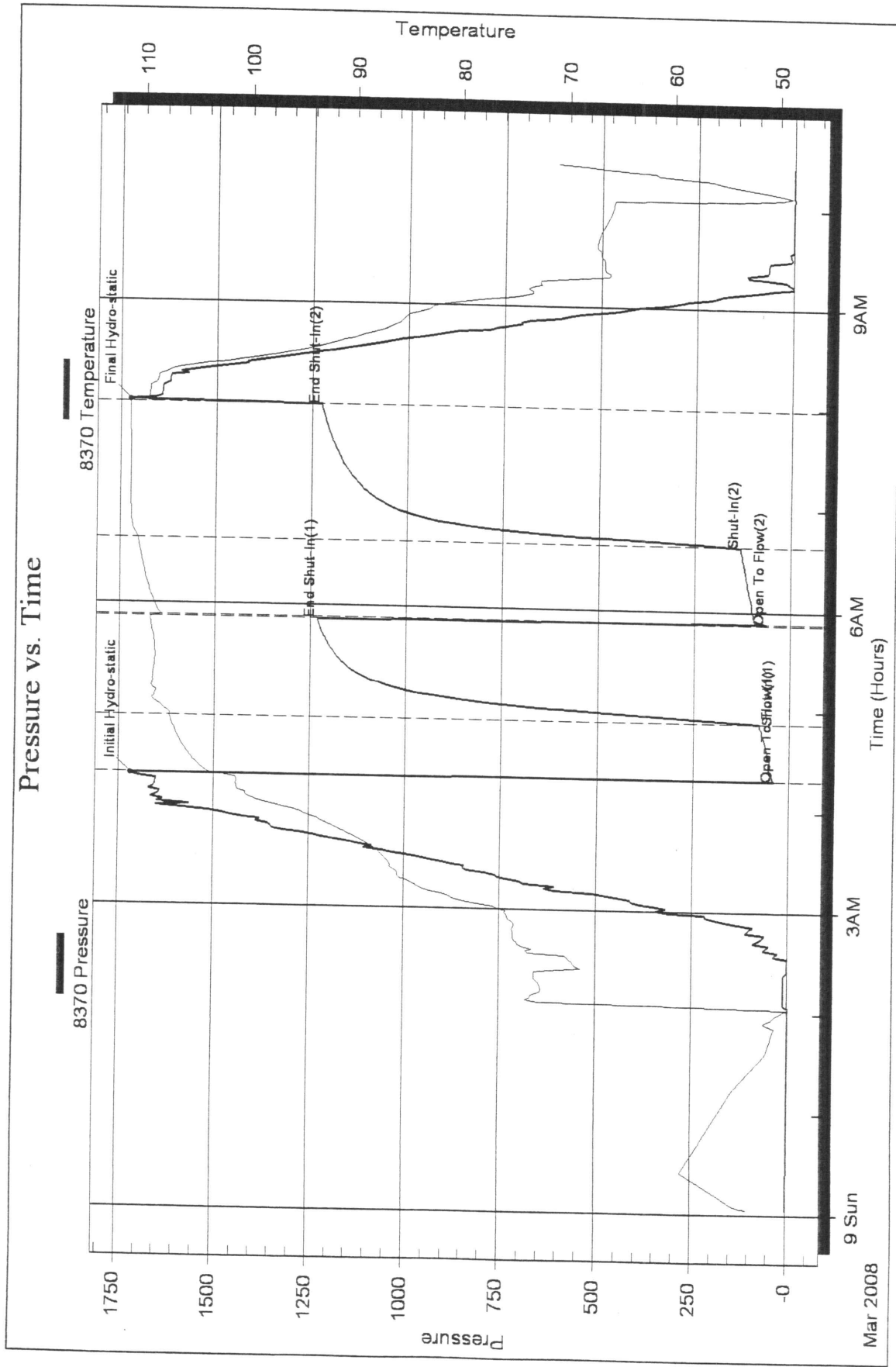
Serial #: 8370

Inside

Raymond Oil Co Inc

2 32S 14W Barber KS

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Co Inc**

PO Box 48788
Wichita KS 67201

ATTN: Rocky Milford

2 32S 14W Barber KS

Lake #1

Start Date: 2008.03.10 @ 07:52:55

End Date: 2008.03.10 @ 15:31:10

Job Ticket #: 28843 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

Raymond Oil Co Inc

PO Box 48788
Wichita KS 67201

ATTN: Rocky Milford

Lake #1

2 32S 14W Barber KS

Job Ticket: 28843

DST#: 3

Test Start: 2008.03.10 @ 07:52:55

GENERAL INFORMATION:

Formation: **Douglas Lower Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:56:40

Time Test Ended: 15:31:10

Interval: **3845.00 ft (KB) To 3863.00 ft (KB) (TVD)**

Total Depth: 3863.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Esak Hadley

Unit No: 23

Reference Elevations: 1680.00 ft (KB)

1669.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8370

Inside

Press@RunDepth: psig @ 3846.00 ft (KB)

Start Date: 2008.03.10

End Date:

2008.03.10

Start Time: 07:53:00

End Time:

15:31:09

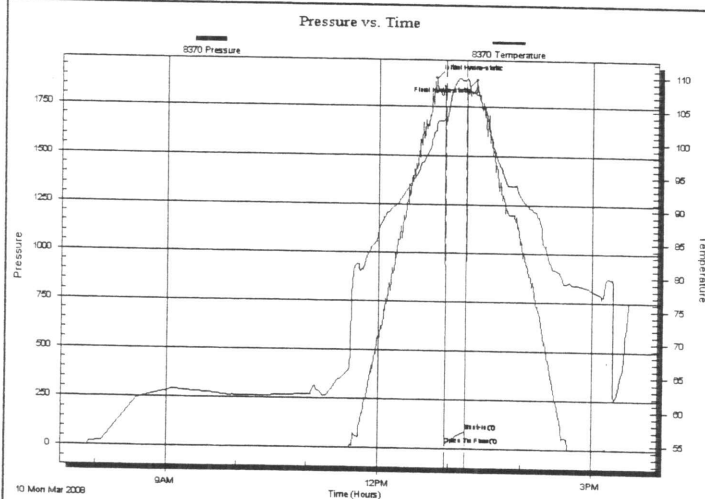
Capacity: 7000.00 psig

Last Calib.: 2008.03.10

Time On Btm: 2008.03.10 @ 12:47:55

Time Off Btm: 2008.03.10 @ 13:22:40

TEST COMMENT: IF Weak blow Slow increase to 6 " in 15 min. (losing fluid & pulled string @ 17 min.)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1894.72	101.99	Initial Hydro-static
9	23.49	102.83	Open To Flow (1)
26	92.23	109.49	Shut-In(1)
35	1886.75	107.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GCWM 5%G 45%W 50%M RW.38@70de0.30000ppm	
90.00	GCWM w/O specs 5%G 20%W 75%M	0.44

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raymond Oil Co Inc

Lake #1

PO Box 48788
Wichita KS 67201

2 32S 14W Barber KS

Job Ticket: 28843

DST#: 3

ATTN: Rocky Milford

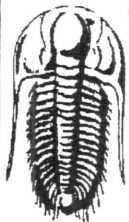
Test Start: 2008.03.10 @ 07:52:55

Tool Information

Drill Pipe:	Length: 3660.00 ft	Diameter: 3.80 inches	Volume: 51.34 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: 22000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume:	52.24 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	3845.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 ft			
Tool Length:	39.00 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			3824.00	
Shut In Tool	5.00			3829.00	
Hydraulic tool	5.00			3834.00	
Safety Joint	2.00			3836.00	
Packer	4.00			3840.00	22.00 Bottom Of Top Packer
Packer	5.00			3845.00	
Stubb	1.00			3846.00	
Recorder	0.00	8370	Inside	3846.00	
Recorder	0.00	8289	Inside	3846.00	
Perforations	11.00			3857.00	
Bullnose	5.00			3862.00	17.00 Bottom Packers & Anchor

Total Tool Length: 39.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Co Inc

Lake #1

PO Box 48788
Wichita KS 67201

2 32S 14W Barber KS

Job Ticket: 28843

DST#: 3

ATTN: Rocky Milford

Test Start: 2008.03.10 @ 07:52:55

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 43.00 sec/qt

Water Loss: 11.99 in³

Resistivity: 0.00 ohm.m

Salinity: 9000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GCWM 5%G 45%W 50%M RW.38@70deg-1E	0.295
90.00	GCWM w/O specs 5%G 20%W 75%M	0.443

Total Length: 150.00 ft

Total Volume: 0.738 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

