



DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company, LLC.**

PO Box 428
Logan KS 67646

ATTN: Richard Bell

Arlene Mulder

22-3s-22w Norton KS

Start Date: 2012.04.29 @ 19:00:00

End Date: 2012.04.29 @ 23:25:00

Job Ticket #: 46064 DST #: 1

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

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TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company, LLC.

22-3s-22w Norton KS

PO Box 428
Logan KS 67646

Arlene Mulder

ATTN: Richard Bell

Job Ticket: 46064

DST#: 1

Test Start: 2012.04.29 @ 19:00:00

GENERAL INFORMATION:

Formation: **LKC-A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:04:30

Time Test Ended: 23:25:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Kreutzer Jr.

Unit No: 61

Interval: 3532.00 ft (KB) To 3558.00 ft (KB) (TVD)

Reference Elevations: 2275.00 ft (KB)

Total Depth: 3558.00 ft (KB) (TVD)

2270.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8791

Inside

Press @ Run Depth: 20.14 psig @ 3533.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.29

End Date:

2012.04.29

Last Calib.:

2012.04.30

Start Time: 19:00:05

End Time:

23:24:59

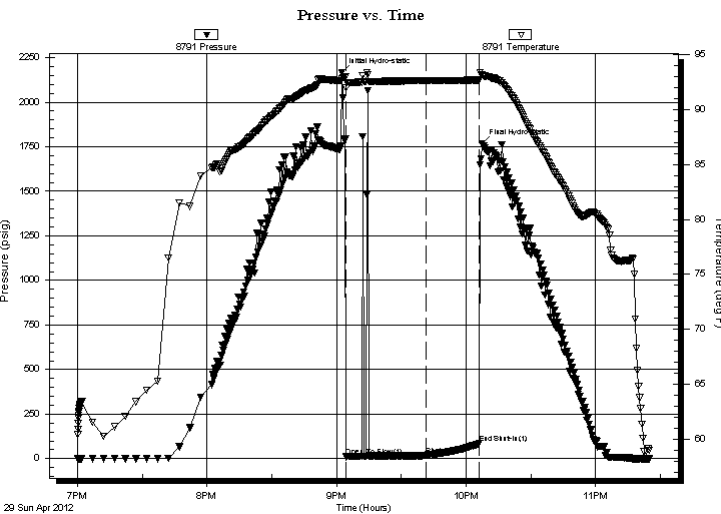
Time On Btm:

2012.04.29 @ 21:02:30

Time Off Btm:

2012.04.29 @ 22:07:30

TEST COMMENT: IF: Slid 38 ft. to bottom, Tool did not open on slide. Weak blow Died in 7 mins. FLUSHED tool w weak blow died in 7 mins.
IS: No blow back over 30 mins.
-----Pulled tool-----



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2167.28	92.79	Initial Hydro-static
2	11.02	92.03	Open To Flow (1)
39	20.14	92.63	Shut-In(1)
64	84.81	92.68	End Shut-In(1)
65	1765.74	93.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud w ith oil specs	0.05

Gas Rates

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



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TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC.

22-3s-22w Norton KS

PO Box 428
Logan KS 67646

Arlene Mulder

Job Ticket: 46064

DST#: 1

ATTN: Richard Bell

Test Start: 2012.04.29 @ 19:00:00

Tool Information

Drill Pipe:	Length: 3396.00 ft	Diameter: 3.80 inches	Volume: 47.64 bbl	Tool Weight: 2000.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 48.25 bbl</u>	Tool Chased 38.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3532.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	43.00 ft			
Number of Packers:	2	Diameter: 6.76 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3517.00	
Hydraulic tool	5.00			3522.00	
Packer	5.00			3527.00	20.00 Bottom Of Top Packer
Packer	5.00			3532.00	
Stubb	1.00			3533.00	
Recorder	0.00	8791	Inside	3533.00	
Recorder	0.00	8673	Outside	3533.00	
Perforations	19.00			3552.00	
Bullnose	3.00			3555.00	23.00 Bottom Packers & Anchor
Total Tool Length:	43.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC.

22-3s-22w Norton KS

PO Box 428
Logan KS 67646

Arlene Mulder

Job Ticket: 46064

DST#: 1

ATTN: Richard Bell

Test Start: 2012.04.29 @ 19:00:00

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:

bbbl

Water Loss: 6.09 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud w ith oil specs	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

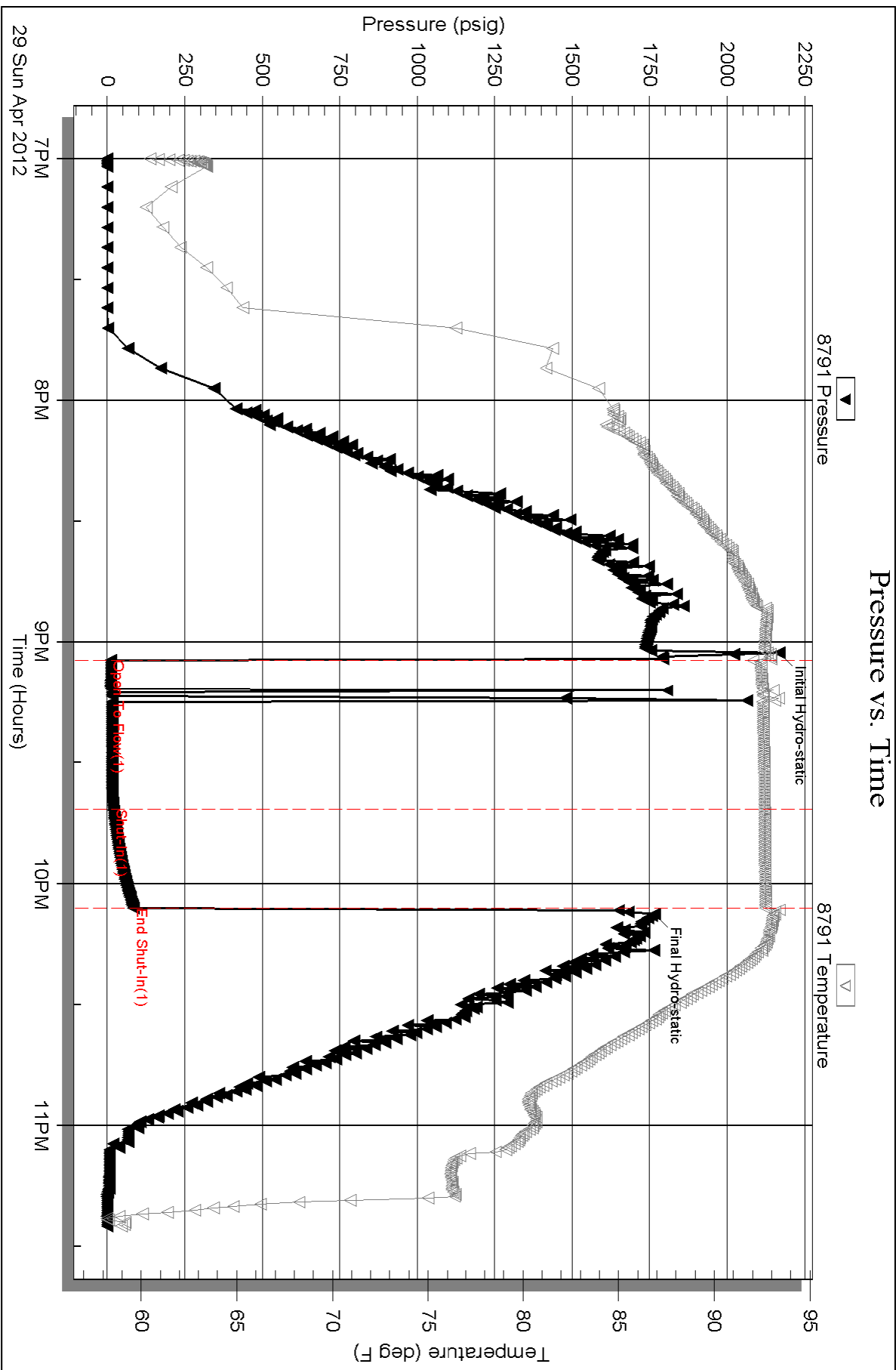
Serial #: 8791

Inside

Baird Oil Company, LLC.

Arlene Mulder

DST Test Number: 1

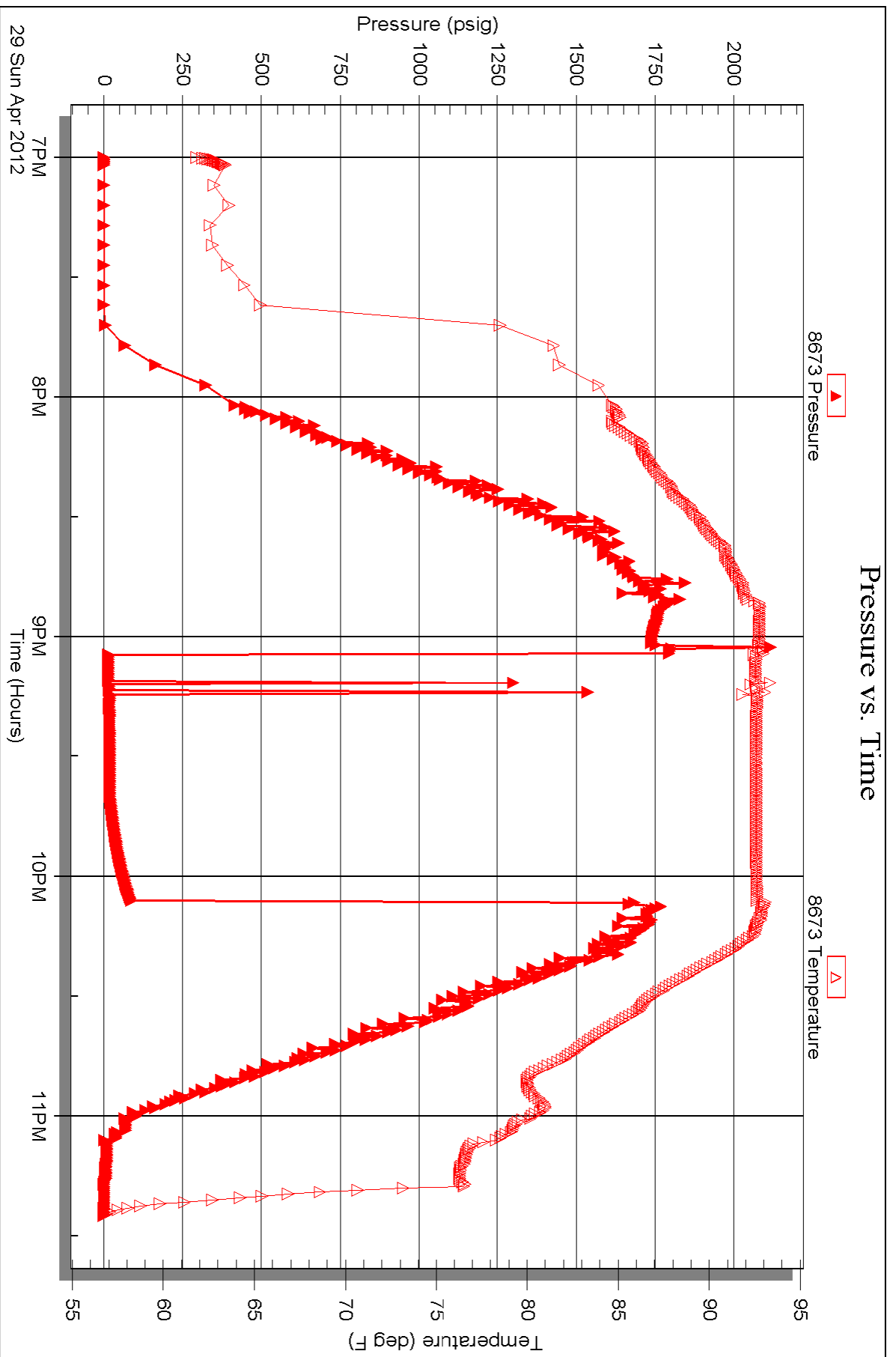


Serial #: 8673

Outside Baird Oil Company, LLC.

Arlene Mulder

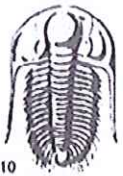
DST Test Number: 1



Triobite Testing, Inc

Ref. No: 46064

Printed: 2012.05.03 @ 15:12:41



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAY 03 2012

Test Ticket

BY: _____

NO. 46064

Well Name & No. Barid oil Company, LLC. Arlene Muller Test No. 1 Date 04-29-2012
 Company Barid oil Company, LLC. Elevation 2275 KB 2270 GL
 Address 113 W. main P.O. Box 428 Logan Ks. 67646
 Co. Rep/Geo. Richard Bell Rig WWS
 Location: Sec. 22 Twp. 35 Rge. 22 Co. Norton State Ks

Interval Tested 3532 3558 Zone Tested LKC-A
 Anchor Length 23 Drill Pipe Run 3346 Mud Wt. 9.10
 Top Packer Depth 3527 Drill Collars Run 124 Vis 54
 Bottom Packer Depth 3532 Wt. Pipe Run 0 WL 6.10
 Total Depth 3558 Chlorides 1000 ppm System LCM 2H

Blow Description IF: Bled 38 ft to bottom, Tool didn't open during slid. Weak blow weak surface. Flushed tool, weak surface, Deal in 7 mins.

ISI: No blow back over 30 mins
Pulled tool.

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Feet of mud with oil specs</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 92.7 Gravity 1150 API RW 328.60 @ 5-01-12 °F Chlorides 1000 ppm

(A) Initial Hydrostatic 2167 Test 1150 T-On Location 18:50
 (B) First Initial Flow 11 Jars 19:30 T-Started 19:30
 (C) First Final Flow 20 Safety Joint 21:04 T-Open 21:04
 (D) Initial Shut-In 84 Circ Sub 20:35 T-Pulled 20:35
 (E) Second Initial Flow Hourly Standby T-Out 23:50
 (F) Second Final Flow Mileage 400 RT 164.30 x 2 Comments Landed on 5-01-12 at 5:42 AM
 (G) Final Shut-In 328.60 Last test Ended 4-29/23:50
 (H) Final Hydrostatic 1766 Ruined Shale Packer
 Ruined Packer
 Extra Copies

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

Extra Recorder 4-29 at 23:50 pm Sub Total 800
 Day Standby 5-01-5:42 AM Total 2278.60
 Accessibility MP/DST Disc't
 Sub Total 1478.60

Approved By _____ Our Representative Chuk Hays #61

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