



DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723
Alma NE 67920-0723

ATTN: Jason Bach

Don #1

15-1s-19w Phillips,KS

Start Date: 2012.06.30 @ 05:50:37

End Date: 2012.06.30 @ 12:16:31

Job Ticket #: 47430 DST #: 1

Trilobite Testing, Inc
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Bach Oil Production
PO Box 723
Alma NE 67920-0723
ATTN: Jason Bach

15-1s-19w Phillips,KS

Don #1

Job Ticket: 47430

DST#: 1

Test Start: 2012.06.30 @ 05:50:37

GENERAL INFORMATION:

Formation: **LKC C-D**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:04:32
 Time Test Ended: 12:16:31
 Interval: **3430.00 ft (KB) To 3478.00 ft (KB) (TVD)**
 Total Depth: 3478.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ray Schwager
 Unit No: 42
 Reference Elevations: 2165.00 ft (KB)
 2160.00 ft (CF)
 KB to GR/CF: 5.00 ft

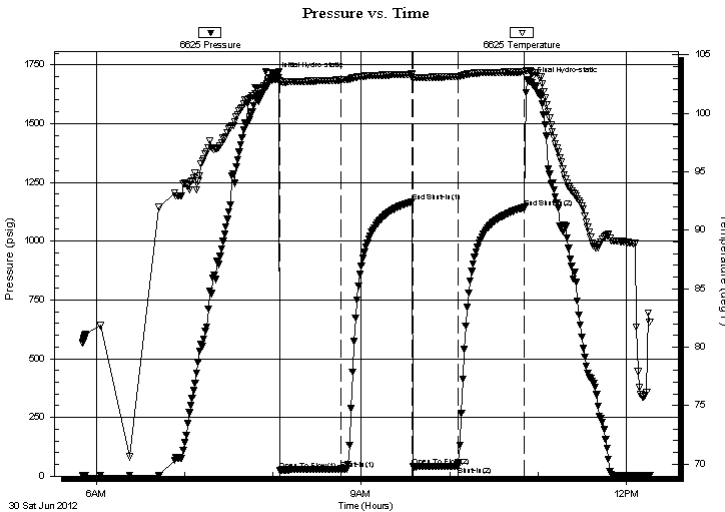
Serial #: 6625

Inside

Press @ Run Depth: 42.44 psig @ 3442.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.06.30 End Date: 2012.06.30 Last Calib.: 2012.06.30
 Start Time: 05:50:37 End Time: 12:16:31 Time On Btm: 2012.06.30 @ 08:01:32
 Time Off Btm: 2012.06.30 @ 10:54:31

TEST COMMENT: 45-IFP-surface bl thru-out
 45-ISIP-no bl
 30-FFP-no bl
 45-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1698.78	102.90	Initial Hydro-static
3	25.87	102.79	Open To Flow (1)
45	30.46	102.85	Shut-In(1)
93	1166.99	103.33	End Shut-In(1)
94	41.53	102.86	Open To Flow (2)
124	42.44	103.13	Shut-In(2)
170	1143.74	103.53	End Shut-In(2)
173	1677.60	103.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Mud w/show of oil	0.29

Gas Rates

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



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production
PO Box 723
Alma NE 67920-0723
ATTN: Jason Bach

15-1s-19w Phillips,KS
Don #1
Job Ticket: 47430 **DST#: 1**
Test Start: 2012.06.30 @ 05:50:37

Tool Information

Drill Pipe:	Length: 3392.00 ft	Diameter: 3.80 inches	Volume: 47.58 bbl	Tool Weight: 2200.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 47.73 bbl</u>	Tool Chased 6.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3430.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	76.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3403.00	
Shut In Tool	5.00			3408.00	
Hydraulic tool	5.00			3413.00	
Jars	5.00			3418.00	
Safety Joint	2.00			3420.00	
Packer	5.00			3425.00	28.00 Bottom Of Top Packer
Packer	5.00			3430.00	
Stubb	1.00			3431.00	
Perforations	11.00			3442.00	
Recorder	0.00	6625	Inside	3442.00	
Recorder	0.00	8700	Outside	3442.00	
Blank Spacing	33.00			3475.00	
Bullnose	3.00			3478.00	48.00 Bottom Packers & Anchor

Total Tool Length: 76.00



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FLUID SUMMARY

Bach Oil Production
PO Box 723
Alma NE 67920-0723
ATTN: Jason Bach

15-1s-19w Phillips,KS
Don #1
Job Ticket: 47430 **DST#: 1**
Test Start: 2012.06.30 @ 05:50:37

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: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.96 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 800.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	Mud w/show of oil	0.288

Total Length: 40.00 ft Total Volume: 0.288 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

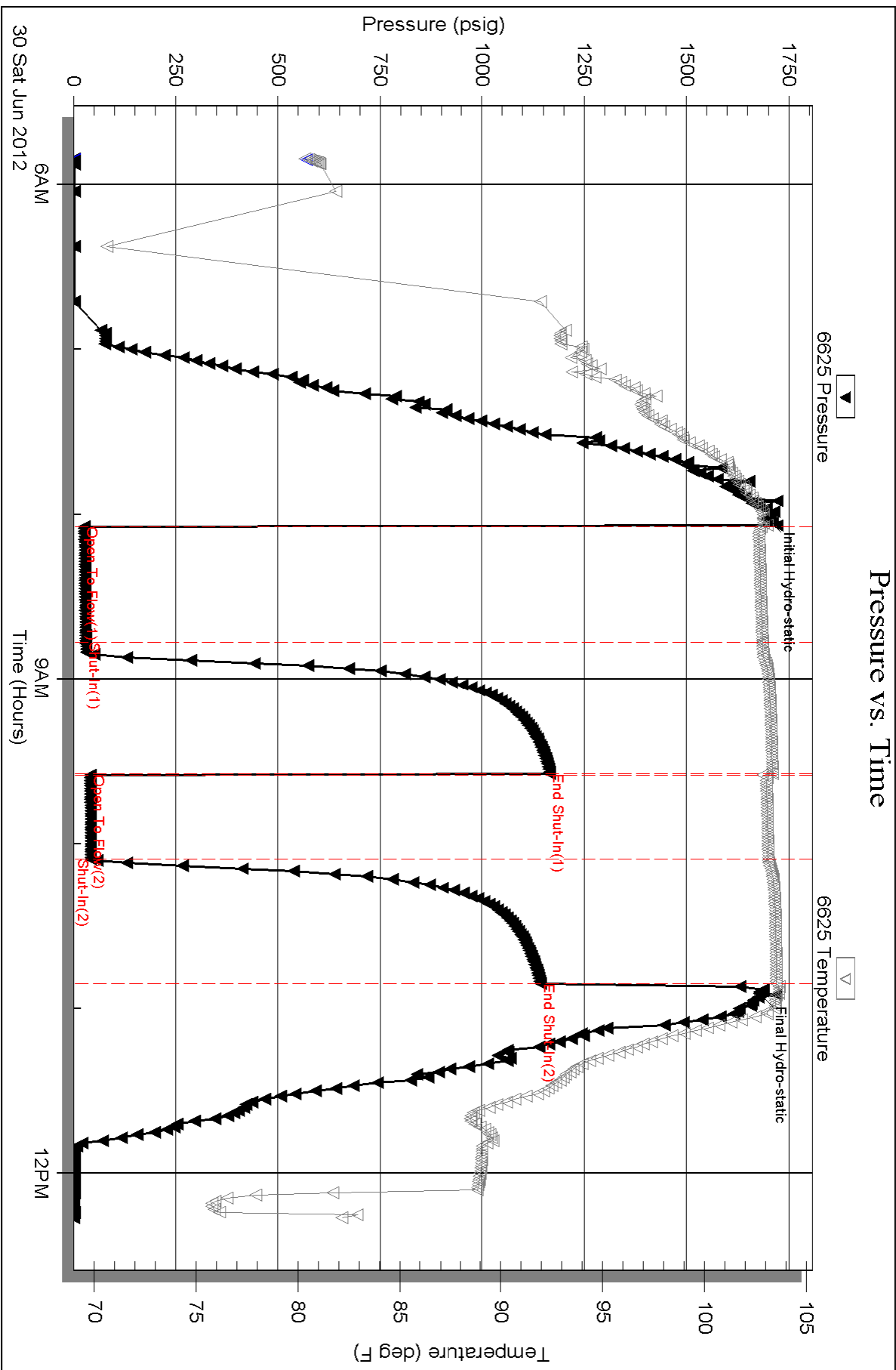
Serial #: 6625

Inside

Bach Oil Production

Don #1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 47430

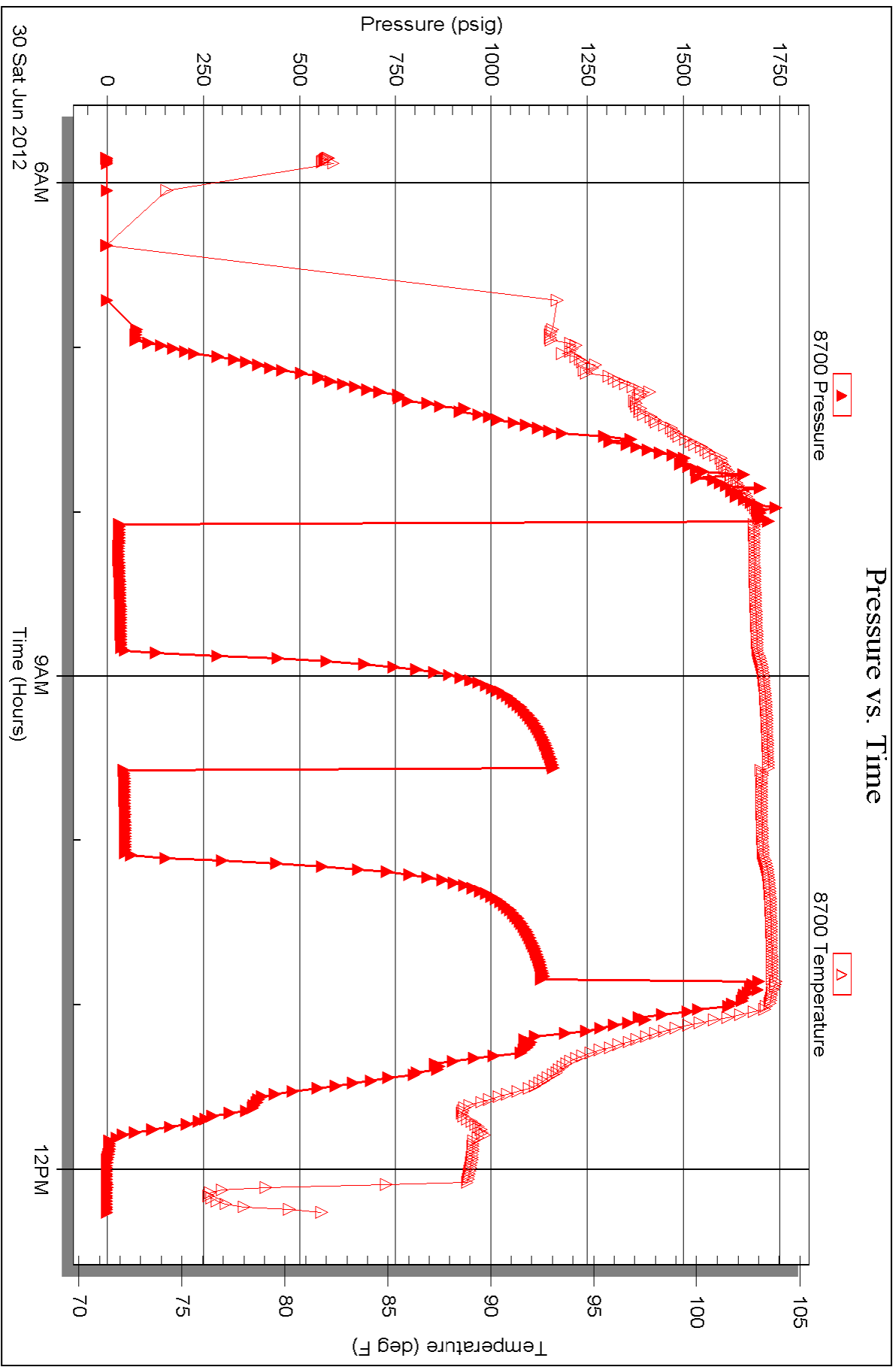
Printed: 2012.07.12 @ 13:54:11

Serial #: 8700

Outside Bach Oil Production

Don #1

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47430

Well Name & No. Don #1 Test No. 1 Date 6-30-12
 Company Bach Oil Production Elevation 2165 KB 2160 GL
 Address PO Box 723 ALMA, NE 67920-0723
 Co. Rep / Geo. Bob Peterson Rig MURFIN rig 16
 Location: Sec. 15 Twp. 1^s Rge. 19^w Co. Phillips State K

Interval Tested 3430-3478 Zone Tested LKC C-D
 Anchor Length 48 Drill Pipe Run 3392 Mud Wt. 9.2
 Top Packer Depth 3425 Drill Collars Run 30 Vis 55
 Bottom Packer Depth 3430 Wt. Pipe Run - WL 8
 Total Depth 3478 Chlorides 800 ppm System LCM 2 1/2 #

Blow Description IFP - SURFACE BLOW THRU-OUT
ISIP - NO BLOW
FFP - NO BLOW
FSIP - NO BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>Mud w/show of oil</u>				

Rec Total 40 BHT 163 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>1698</u>	<input checked="" type="checkbox"/> Test 1150	T-On Location <u>0525</u>
(B) First Initial Flow <u>25</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>0550</u>
(C) First Final Flow <u>30</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>0805</u>
(D) Initial Shut-In <u>1166</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1050</u>
(E) Second Initial Flow <u>41</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1216</u>
(F) Second Final Flow <u>42</u>	<input checked="" type="checkbox"/> Mileage <u>180 RT</u> 279	Comments
(G) Final Shut-In <u>1143</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1677</u>	<input type="checkbox"/> Straddle	
	<input type="checkbox"/> Shale Packer	
Initial Open <u>45</u>	<input type="checkbox"/> Extra Packer	
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Recorder	
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Accessibility	Total <u>1754</u>
	Sub Total <u>1754</u>	MP/DST Disc't

Approved By RJ Peterson Our Representative Ray Schwager Thank you

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