

DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723
Alma NE 68920

ATTN: Jason Bach

34 7S 20W Rooks KS

Lowry Unit #1

Start Date: 2007.03.21 @ 10:11:39

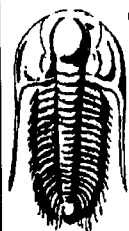
End Date: 2007.03.21 @ 17:30:54

Job Ticket #: 27456 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Bach Oil Production

PO Box 723
Alma NE 68920

ATTN: Jason Bach

Lowry Unit #1

34 7S 20W Roofs KS

Job Ticket: 27456

DST#: 1

Test Start: 2007.03.21 @ 10:11:39

GENERAL INFORMATION:

Formation: **Tor LKc C**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 11:37:49

Time Test Ended: 17:30:54

Test Type: **Conventional Bottom Hole**

Tester: **Paul Simpson**

Unit No: **38**

Interval: **3114.00 ft (KB) To 3205.00 ft (KB) (TVD)**

Total Depth: **3205.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1963.00 ft (KB)**

1958.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6741

Inside

Press@RunDepth: **442.47 psig @ 3124.00 ft (KB)**

Start Date: **2007.03.21**

End Date:

2007.03.21

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Start Time: **10:11:41**

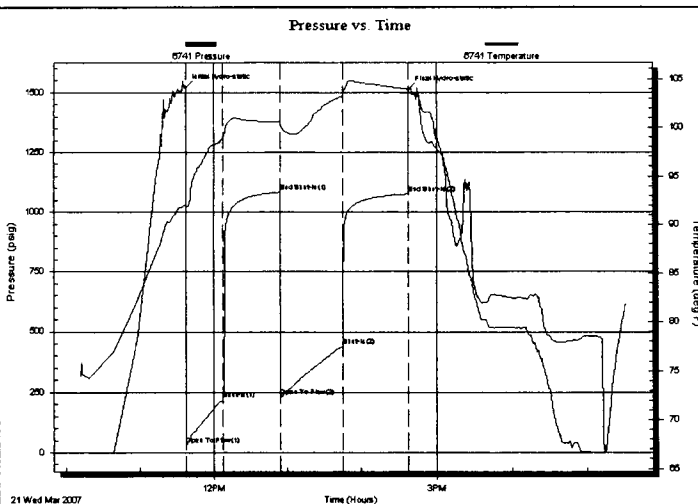
End Time:

17:30:54

Time On Btm: **2007.03.21 @ 11:37:39**

Time Off Btm: **2007.03.21 @ 14:37:39**

TEST COMMENT: IF Strong blow built to bottom of bucket in 4 minutes
ISI Surface built to 4 "
FF Strong blow bottom of bucket in 4 minutes
FSI Surface built to 4 "



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1520.19	92.06	Initial Hydro-static
1	31.13	91.71	Open To Flow (1)
31	219.18	99.04	Shut-In (1)
77	1083.49	100.56	End Shut-In (1)
78	233.77	100.24	Open To Flow (2)
127	442.47	103.22	Shut-In (2)
180	1076.07	103.93	End Shut-In (2)
180	1509.04	104.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	Mud cut Oil 10%G 60%O 30%M	1.26
1060.00	Gassy sl Muddy Oil 10%G 85%O 5%M	14.87
0.00	810 GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

Lowry Unit #1

PO Box 723
Alma NE 68920

34 7S 20W Rooks KS

Job Ticket: 27456

DST#: 1

ATTN: Jason Bach

Test Start: 2007.03.21 @ 10:11:39

Tool Information

Drill Pipe:	Length: 3123.00 ft	Diameter: 3.80 inches	Volume: 43.81 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:	30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	lb
		Total Volume:	43.81 bbl	Tool Chased	ft
Drill Pipe Above KB:	38.00 ft			String Weight: Initial	31000.00 lb
Depth to Top Packer:	3114.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	90.00 ft				
Tool Length:	119.00 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			3086.00	
Shut In Tool	5.00			3091.00	
Hydraulic tool	5.00			3096.00	
Jars	5.00			3101.00	
Safety Joint	3.00			3104.00	
Packer	5.00			3109.00	29.00 Bottom Of Top Packer
Packer	5.00			3114.00	
Stubb	1.00			3115.00	
Perforations	4.00			3119.00	
Recorder	0.00	6741	Inside	3119.00	
Drill Pipe	62.00			3181.00	
Recorder	0.00	13254	Outside	3181.00	
Perforations	20.00			3201.00	
Bullnose	3.00			3204.00	90.00 Bottom Packers & Anchor

Total Tool Length: 119.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

Lowry Unit #1

PO Box 723
Alma NE 68920

34 7S 20W Rooks KS

Job Ticket: 27456

DST#: 1

ATTN: Jason Bach

Test Start: 2007.03.21 @ 10:11:39

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	Mud cut Oil 10%G 60%O 30%M	1.262
1060.00	Gassy sl Muddy Oil 10%G 85%O 5%M	14.869
0.00	810 GIP	0.000

Total Length: 1150.00 ft

Total Volume: 16.131 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

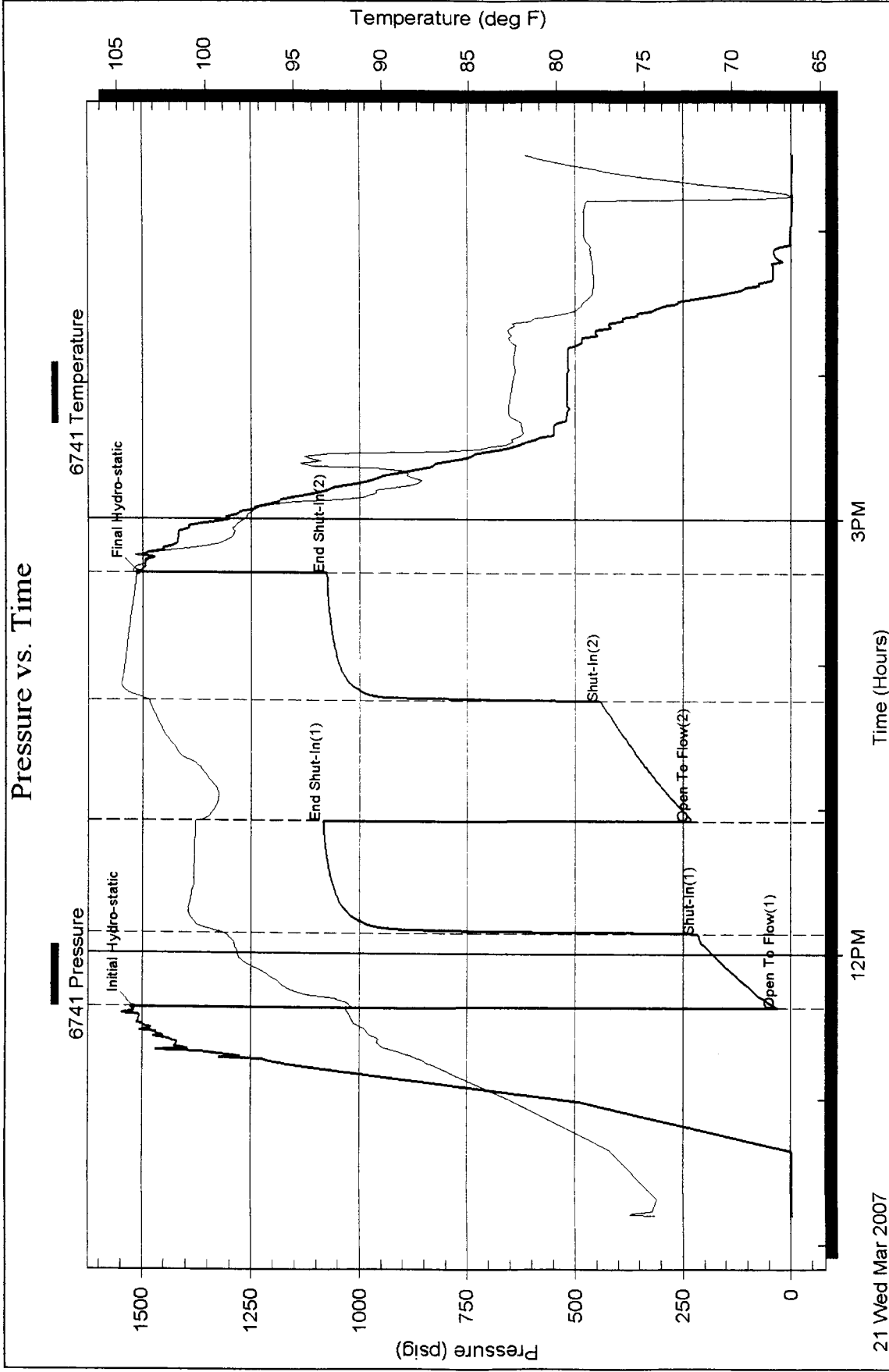
Serial #: 6741

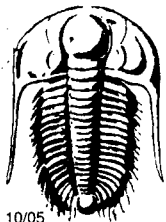
Inside

Bach Oil Production

34 7S 20W Rooks KS

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27456

9957

Test Ticket

Well Name & No. <u>Lowrey Unit A1</u>	Test No. <u>1</u>	Date <u>3/21/07</u>
Company <u>Bach Oil Production</u>	Zone Tested <u>Tor - LRC - C</u>	
Address <u>Box 223 Almg NE 68920</u>	Elevation <u>1963</u>	KB <u>1958</u> GL
Co. Rep / Geo. <u>Randy Kallen</u>	Rig <u>AA12</u>	
Location: Sec. <u>34</u> Twp. <u>7s</u> Rge. <u>20w</u>	Co. <u>Rooks</u>	State <u>KY</u>
Comment: _____		Release date / time: _____

Interval Tested <u>3114 - 3205</u>	Initial Str Wt./Lbs. <u>31,000</u>	Unseated Str Wt./Lbs. <u>35,000</u>
Anchor Length <u>CU</u>	Wt. Set Lbs. <u>31,000</u>	Wt. Pulled Loose/Lbs. _____
Top Packer Depth <u>3109</u>	Tool Weight <u>2500</u>	
Bottom Packer Depth <u>3114</u>	Hole Size <u>7 7/8"</u>	Rubber Size <u>6 3/4"</u>
Total Depth <u>3205</u>	Wt. Pipe Run _____	Drill Collar Run _____
Mud Wt. _____ LCM Vis. <u>45</u> WL <u>8.0</u>	Drill Pipe Size <u>4 1/2"</u>	Ft. Run <u>3123</u>
Blow Description <u>strong blow - bottom of bucket in 4 minutes</u> <u>ISI - surface blow built to bottom of bucket in 4 minutes</u> <u>FSI - strong - bottom of bucket in 4 minutes</u> <u>FSI surface blow built to 5"</u>		

Recovery - Total Feet <u>1150</u>	GIP <u>810</u>	Ft. in DC _____	Ft. in DP _____
Rec. <u>1060</u>	Feet of <u>gassy, muddy cal</u>	%gas _____	%oil _____
Rec. <u>60</u>	Feet of <u>MCO</u>	%gas <u>10</u>	%oil <u>60</u>
Rec. <u>30</u>	Feet of <u>(reversed to mud)</u>	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
BHT <u>104</u>	*F Gravity _____	*API D @ _____	*F Corrected Gravity _____
RW _____	@ _____	*F Chlorides _____	ppm Recovery _____
		Chlorides _____	ppm System _____

(A) Initial Hydrostatic Mud	AK-1 <u>1520</u> PSI	Alpine	Recorder No. <u>6741</u>	Test <u>1100</u>
(B) First Initial Flow Pressure	<u>31</u> PSI		(depth) <u>3119</u>	Jars _____
(C) First Final Flow Pressure	<u>219</u> PSI		Recorder No. <u>13254</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>1083</u> PSI		(depth) <u>3175</u>	Circ Sub <u>X</u> <u>50</u>
(E) Second Initial Flow Pressure	<u>239</u> PSI		Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>442</u> PSI		(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>1076</u> PSI	Initial Opening	<u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1509</u> PSI	Initial Shut-In	<u>45</u>	Shale Packer _____
		Final Flow	<u>50</u> <u>45</u>	Ruined Packer _____
		Final Shut-In	<u>60</u>	Mileage <u>104 RT 130</u>

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Approved By [Signature]

Our Representative [Signature]

T-On Location

T-Started 1012

T-Open 1138

T-Pulled 1438

T-Out 1730

Sub Total: _____

Std. By [Signature]

Acc. Chg: _____

Other: \$1280

Total: _____

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

#1
13754

