

## DRILL STEM TEST REPORT

Prepared For: **Bach Oil**

PO Box 723  
Alma NE 68920

ATTN: Bill Peterson

**6 6 20 Rooks KS**

**McClurg #4**

Start Date: 2007.05.22 @ 09:15:51

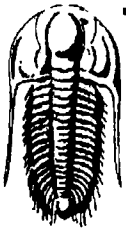
End Date: 2007.05.22 @ 14:59:15

Job Ticket #: 28033                      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  
 PO Box 723  
 Alma NE 68920  
 ATTN: Bill Peterson

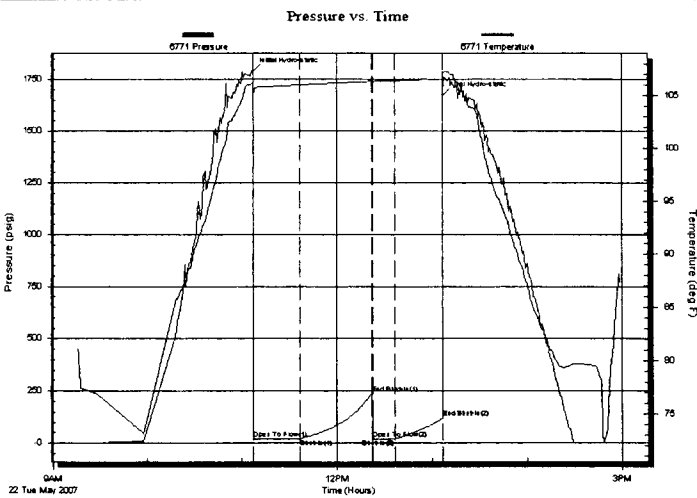
**McClurg #4**  
**6 6 20 Rooks KS**  
 Job Ticket: 28033      **DST#: 1**  
 Test Start: 2007.05.22 @ 09:15:51

**GENERAL INFORMATION:**

Formation: **Sand**  
 Deviated: **No** Whipstock: **ft (KB)**  
 Time Tool Opened: 11:07:31  
 Time Test Ended: 14:59:15  
 Interval: **3525.00 ft (KB) To 3559.00 ft (KB) (TVD)**  
 Total Depth: **3559.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition:  
 Test Type: **Conventional Bottom Hole**  
 Tester: **Brian Fairbank**  
 Unit No: **41**  
 Reference Elevations: **2144.00 ft (KB)**  
**2140.00 ft (CF)**  
 KB to GR/CF: **4.00 ft**

**Serial #: 6771**      **Inside**  
 Press@RunDepth: **19.81 psig @ 3531.01 ft (KB)**      Capacity: **7000.00 psig**  
 Start Date: **2007.05.22**      End Date: **2007.05.22**      Last Calib.: **2007.05.22**  
 Start Time: **09:15:51**      End Time: **14:59:15**      Time On Btm: **2007.05.22 @ 11:07:16**  
 Time Off Btm: **2007.05.22 @ 13:07:01**

**TEST COMMENT:** IFP Weak intermittent sur blow died 15 min.  
 ISI No blow back  
 FFP No blow  
 FSI No blow back



**PRESSURE SUMMARY**

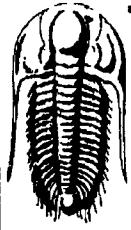
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1787.55	106.23	Initial Hydro-static
1	17.36	105.09	Open To Flow (1)
30	19.08	106.02	Shut-In(1)
75	238.22	106.38	End Shut-In(1)
76	19.68	106.32	Open To Flow(2)
90	19.81	106.41	Shut-In(2)
120	119.53	106.62	End Shut-In(2)
120	1673.56	107.28	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
6.00	100%M	0.08

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Bach Oil  
PO Box 723  
Alma NE 68920  
  
ATTN: Bill Peterson

**McClurg #4**  
**6 6 20 Rooks KS**  
Job Ticket: 28033      **DST#: 1**  
Test Start: 2007.05.22 @ 09:15:51

**Tool Information**

Drill Pipe:	Length: 3528.00 ft	Diameter: 3.80 inches	Volume: 49.49 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
		<b>Total Volume:</b>	<b>49.49 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3525.00 ft			Final 32000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.02 ft			
Tool Length:	59.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

**Tool Description**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3505.00	
Hydraulic tool	5.00			3510.00	
Jars	5.00			3515.00	
Packer	5.00			3520.00	25.00      Bottom Of Top Packer
Packer	5.00			3525.00	
Stubb	1.00			3526.00	
Perforations	5.00			3531.00	
Recorder	0.01	6771	Inside	3531.01	
Perforations	25.00			3556.01	
Recorder	0.01	13548	Outside	3556.02	
Bullnose	3.00			3559.02	34.02      Bottom Packers & Anchor

**Total Tool Length: 59.02**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Bach Oil	<b>McClurg #4</b>
PO Box 723 Alma NE 68920	<b>6 6 20 Rooks KS</b>
ATTN: Bill Peterson	Job Ticket: 28033 <b>DST#: 1</b>
	Test Start: 2007.05.22 @ 09:15:51

### 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: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 600.00 ppm			
Filter Cake: inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
6.00	100%M	0.084

Total Length: 6.00 ft      Total Volume: 0.084 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

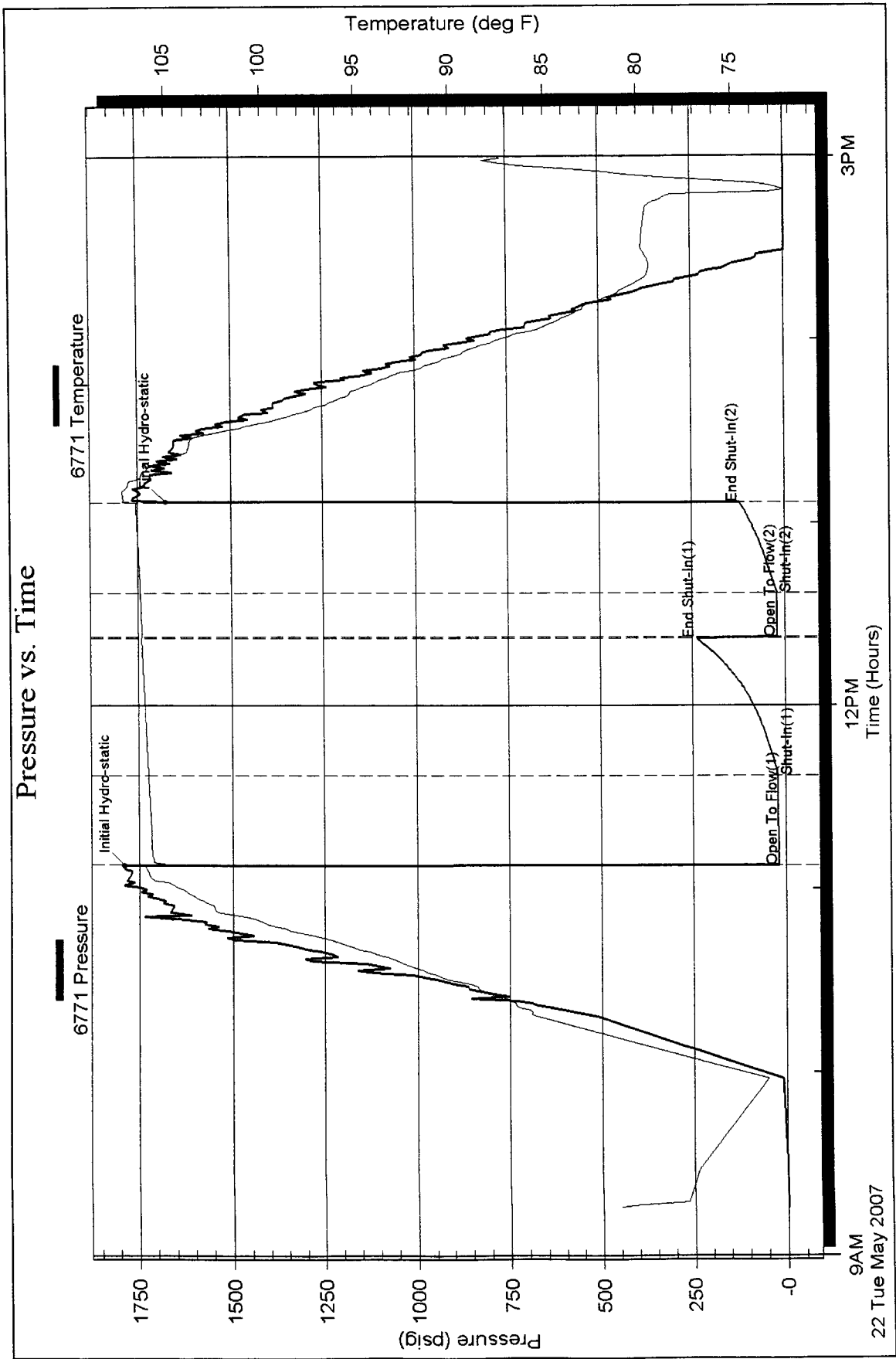
Serial #: 6771

Inside

Bach Oil

6 6 20 Rooks KS

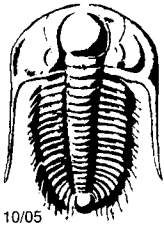
DST Test Number: 1



9AM  
22 Tue May 2007

12PM  
Time (Hours)

3PM



# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10180

28033

## Test Ticket

Well Name & No. McClurg #4 Test No. 1 Date 5-22-07  
 Company Beck Oil Zone Tested Sand  
 Address PO Box 723 Alma, NE 68920 Elevation 2144 KB 2140 GL  
 Co. Rep / Geo. Bill Peterson Rig AA 2  
 Location: Sec. 6 Twp. 6<sup>s</sup> Rge. 20<sup>w</sup> Co. Rock State K  
 Comment: \_\_\_\_\_ Release date / time: \_\_\_\_\_

Interval Tested 3525-3559 Initial Str Wt./Lbs. 32,000 Unseated Str Wt./Lbs. 32,000  
 Anchor Length 34 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 50,000  
 Top Packer Depth 3520 Tool Weight 2500  
 Bottom Packer Depth 3525 Hole Size 7 7/8" Rubber Size 6 3/4"  
 Total Depth 3559 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run \_\_\_\_\_  
 Mud Wt. 9.1 LCM \_\_\_\_\_ Vis. 53 WL 8.8 Drill Pipe Size 4 1/2 FH Ft. Run 3528  
 Blow Description IFP- weak intermittent sur blow died 15 min  
ISI- no blow back  
FFP- no blow  
FSI- no blow back

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>6</u>	<u>-</u>	<u>-</u>	<u>6</u>
Rec. <u>6</u> Feet of <u>mud</u>	%gas	%oil	%water <u>100</u> %mud
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
BHT <u>107</u> °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API			
RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides <u>600</u> ppm System			

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1771</u>	PSI	<u>6771</u>	<u>1100</u>
(B) First Initial Flow Pressure	<u>17</u>	PSI	(depth) <u>3531</u>	Jars <u>250</u>
(C) First Final Flow Pressure	<u>19</u>	PSI	Recorder No. <u>13548</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>238</u>	PSI	(depth) <u>3556</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>20</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>20</u>	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>120</u>	PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1742</u>	PSI	Initial Shut-In <u>45</u>	Shale Packer _____
			Final Flow <u>15</u>	Ruined Packer _____
			Final Shut-In <u>30</u>	Mileage <u>162.50</u> <u>130 RI</u>

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Approved By [Signature]  
 Our Representative Brian Fairbairn (Hank)

T-On Location 0908 Sub Total: \_\_\_\_\_  
 T-Started 0916 Std. By \_\_\_\_\_  
 T-Open 1108 Acc. Chg: \_\_\_\_\_  
 T-Pulled 1308 Other: \_\_\_\_\_  
 T-Out 1500 Total: 1512.50

**CHART PAGE**

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

Bed 0.1  
McClung #4  
DST #1

