

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Bach Oil**

PO Box 723
Alma NE 68920

ATTN: Bob Peterson

1 2 19W Phillips KS

Darlene #2

Start Date: 2007.08.25 @ 17:45:47

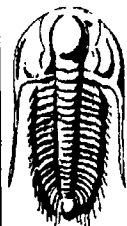
End Date: 2007.08.26 @ 01:59:32

Job Ticket #: 30576 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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TESTING, INC.

DRILL STEM TEST REPORT

Bach Oil

PO Box 723
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ATTN: Bob Peterson

Darlene #2

1 2 19W Phillips KS

Job Ticket: 30576

DST#: 1

Test Start: 2007.08.25 @ 17:45:47

GENERAL INFORMATION:

Formation: **LKC "H-J"**

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

Time Tool Opened: 20:40:32

Time Test Ended: 01:59:32

Test Type: **Conventional Bottom Hole**

Tester: **Tyson Flax**

Unit No: **21**

Interval: **3520.00 ft (KB) To 3595.00 ft (KB) (TVD)**

Total Depth: **3595.00 ft (KB) (TVD)**

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

Reference Elevations: **2231.00 ft (KB)**

2226.00 ft (CF)

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

Serial #: 8290

Inside

Press@RunDepth: **19.49 psig @ 3525.00 ft (KB)**

Start Date: **2007.08.25**

End Date:

2007.08.26

Start Time: **17:45:49**

End Time:

01:59:32

Capacity: **7000.00 psig**

Last Calib.: **2007.08.26**

Time On Btm: **2007.08.25 @ 20:39:47**

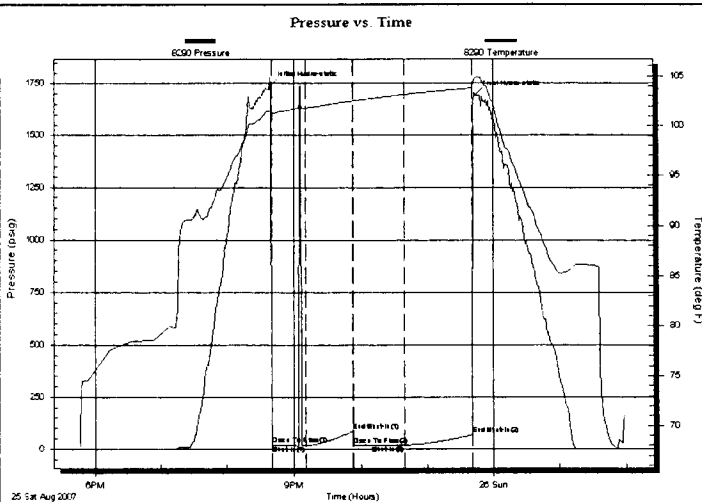
Time Off Btm: **2007.08.25 @ 23:44:17**

TEST COMMENT: **IFP Weak surface blow died in 8 min**

ISI No blow back

FFP No blow

FSI No blow back



PRESSURE SUMMARY

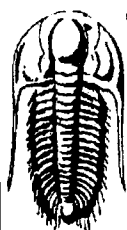
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1742.78	101.65	Initial Hydro-static
1	21.12	100.84	Open To Flow (1)
31	19.20	101.78	Shut-In(1)
73	87.35	102.52	End Shut-In(1)
74	19.89	102.52	Open To Flow(2)
120	19.49	103.14	Shut-In(2)
182	67.65	103.81	End Shut-In(2)
185	1695.49	104.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w/scum of Oil	0.07

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil

Darlene #2

PO Box 723
Alma NE 68920

1 2 19W Phillips KS

Job Ticket: 30576

DST#: 1

ATTN: Bob Peterson

Test Start: 2007.08.25 @ 17:45:47

Tool Information

Drill Pipe:	Length:	3500.00 ft	Diameter:	3.82 inches	Volume:	49.61 bbl	Tool Weight:	2500.00 lb		
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb		
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:	50000.00 lb		
					Total Volume:	49.61 bbl	Tool Chased	0.00 ft		
Drill Pipe Above KB:	8.00 ft							String Weight: Initial	36000.00 lb	
Depth to Top Packer:	3520.00 ft							Final	36000.00 lb	
Depth to Bottom Packer:	ft									
Interval between Packers:	75.00 ft									
Tool Length:	103.00 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			3493.00		
Shut In Tool	5.00			3498.00		
Hydraulic tool	5.00			3503.00		
Jars	5.00			3508.00		
Safety Joint	2.00			3510.00		
Packer	5.00			3515.00	28.00	Bottom Of Top Packer
Packer	5.00			3520.00		
Stubb	1.00			3521.00		
Perforations	4.00			3525.00		
Recorder	0.00	8290	Inside	3525.00		
Blank Spacing	62.00			3587.00		
Perforations	5.00			3592.00		
Recorder	0.00	3351	Inside	3592.00		
Bullnose	3.00			3595.00	75.00	Bottom Packers & Anchor

Total Tool Length: 103.00



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TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Back Oil

Darlene #2

PO Box 723
Alma NE 68920

1 2 19W Phillips KS

Job Ticket: 30576

DST#: 1

ATTN: Bob Peterson

Test Start: 2007.08.25 @ 17:45:47

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud w /scum of Oil	0.071

Total Length: 5.00 ft

Total Volume: 0.071 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

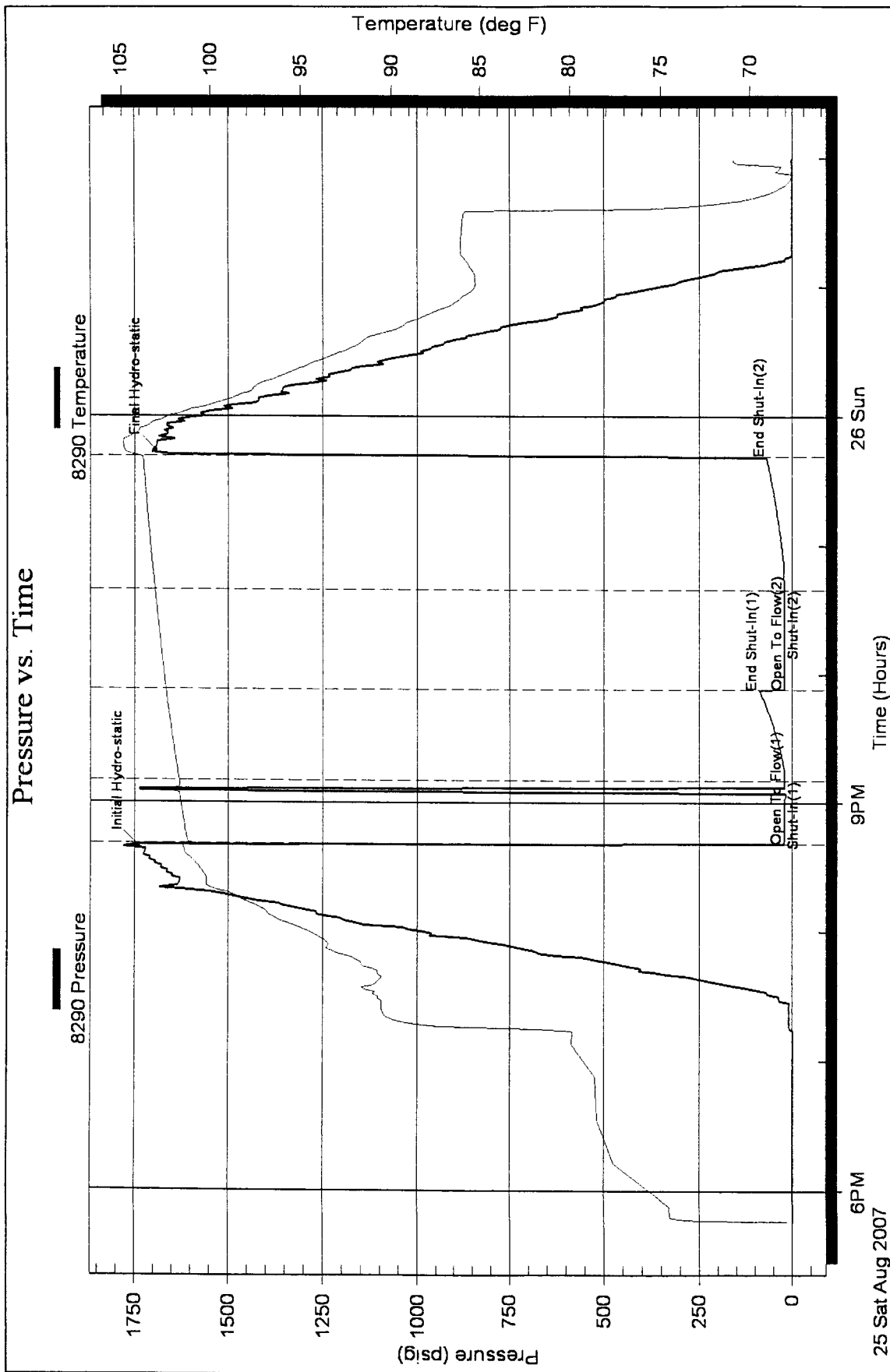
Serial #:

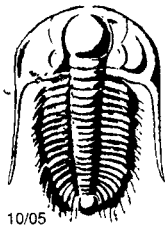
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

30576

10542 ✓

Test Ticket

Well Name & No. <u>Darlene #2</u>	Test No. <u>1</u>	Date <u>8-25-07</u>
Company <u>Bach Oil</u>	Zone Tested <u>LKC "H-J"</u>	
Address <u>PO Box 723 Alma, NE 68920</u>	Elevation <u>2231</u>	KB <u>2226</u> GL
Co. Rep / Geo. <u>Bob Peterson</u>	Rig <u>A+A #2</u>	
Location: Sec. <u>1</u> Twp. <u>25</u> Rge. <u>19W</u>	Co. <u>Phillips</u>	State <u>KS</u>
Comment: _____		Release date / time: _____

Interval Tested <u>3520 - 3595</u>	Initial Str Wt./Lbs. <u>36060</u>	Unseated Str Wt/Lbs. <u>36000</u>
Anchor Length <u>75'</u>	Wt. Set Lbs. <u>20000</u>	Wt. Pulled Loose/Lbs. <u>50000</u>
Top Packer Depth <u>3515</u>	Tool Weight <u>2500</u>	
Bottom Packer Depth <u>3520</u>	Hole Size 7 7/8" _____	Rubber Size 6 3/4" _____
Total Depth <u>3595</u>	Wt. Pipe Run _____	Drill Collar Run _____
Mud Wt. <u>9.5</u> LCM _____ Vis. <u>47</u> WL <u>9.2</u>	Drill Pipe Size <u>4 1/2 FH</u>	Ft. Run <u>3500</u>
Blow Description <u>IFP - Weak surface blow died in 8 min - Flushed tool</u>		
<u>ISI - no blow back</u>		
<u>FFP - no blow</u>		
<u>FSI - no blow back</u>		

Recovery - Total Feet <u>5</u>	GIP _____	Ft. in DC _____	Ft. in DP <u>5</u>
Rec. <u>5</u>	Feet of <u>Mud w/sum of oil</u>	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
BHT _____	*F Gravity _____	*API D @ _____	*F Corrected Gravity _____
RW _____	@ _____	*F Chlorides _____	ppm Recovery _____
		Chlorides <u>1800</u>	ppm System

(A) Initial Hydrostatic Mud	<u>1740</u> PSI	Recorder No. <u>8290</u>	Test <u>X</u>	<u>1100</u>
(B) First Initial Flow Pressure	<u>21</u> PSI	(depth) <u>3525</u>	Jars <u>X</u>	<u>250</u>
(C) First Final Flow Pressure	<u>19</u> PSI	Recorder No. <u>3351</u>	Safety Jt. <u>X</u>	<u>75</u>
(D) Initial Shut-In Pressure	<u>87</u> PSI	(depth) <u>3592</u>	Circ Sub _____	
(E) Second Initial Flow Pressure	<u>20</u> PSI	Recorder No. _____	Sampler _____	
(F) Second Final Flow Pressure	<u>19</u> PSI	(depth) _____	Straddle _____	
(G) Final Shut-In Pressure	<u>68</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____	
(Q) Final Hydrostatic Mud	<u>1695</u> PSI	Initial Shut-In <u>45</u>	Shale Packer _____	

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Approved By _____

Our Representative [Signature]

Final Flow	<u>45</u>
Final Shut-In	<u>60</u>
T-On Location	<u>17:05</u>
T-Started	<u>17:45</u>
T-Open	<u>26:40</u>
T-Pulled	<u>23:40</u>
T-Out	<u>2:00</u>
Sub Total:	_____
Std. By	_____
Acc. Chg:	_____
Other:	_____
Total:	<u>1630</u>

CHART PAGE

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

Back
Dish #2
DT #1

