



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1106262  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx)      (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1106262

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Bach, Jason dba Bach Oil Production
Well Name	Beyerlein Unit 1
Doc ID	1106262

Tops

Name	Top	Datum
Stone Corral	1646	+398
Base Stone Corral	1673	+371
Topeka	3054	-1010
Heebner	3252	-1208
Toronto	3281	-1237
Lansing	3298	-1254
BKC	3523	-1479
LTD	3540	-1496

# GEOLOGIST'S REPORT

## DRILLING TIME AND SAMPLE LOG

### BACH OIL PRODUCTION

WELL: Beyerlein#1

LOC.: 2180' FNL & 1800' FEL  
 SEC. 7-3-18W  
 PHILLIPS COUNTY, KANSAS  
 API: 15-147-20696-00-00

DRILLING CONTR.: MURFIN RIG #8  
 SPUD: 11-5-12 COMP: 11-10-12  
 MUD UP: 2850' TYPE MUD: CHEM.  
 DRILL TIME: 2950 to' RTD  
 RTD: 3540' LTD: 3540'  
 SAMPLES SAVED: 2950'-RTD  
 GEOLOGIST: ROBERT J. PETERSEN

### ELEVATION

KB: 2044  
 GL: 2039  
 LOG MEASURED  
 FROM: KB

### SURFACE CASING

20# 8 5/8 "  
 Casing set @ 210'  
 w/170 SX

### PRODUCTION CASING

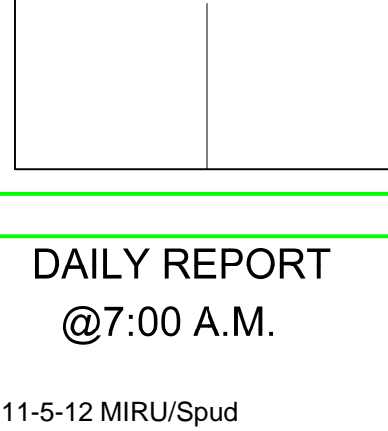
D&A

### WELL LOG SURVEYS

RAG

### ELECTRIC LOG TOPS

FORMATION	DEPTH	DATUM	POSITION
Stone Corral	1646	+398	-1
Base Stone Corral	1673	+371	-1
Topeka	3054	-1010	+10
Heebner	3252	-1208	+18
Toronto	3281	-1237	+12
Lansing	3298	-1254	+11
BKC	3523	-1479	+11
LTD	3540	-1496	X



### REFERENCE WELL:

Davis & Childs  
 Beyerlein #1  
 SW NE  
 17-3-18W

### DAILY REPORT

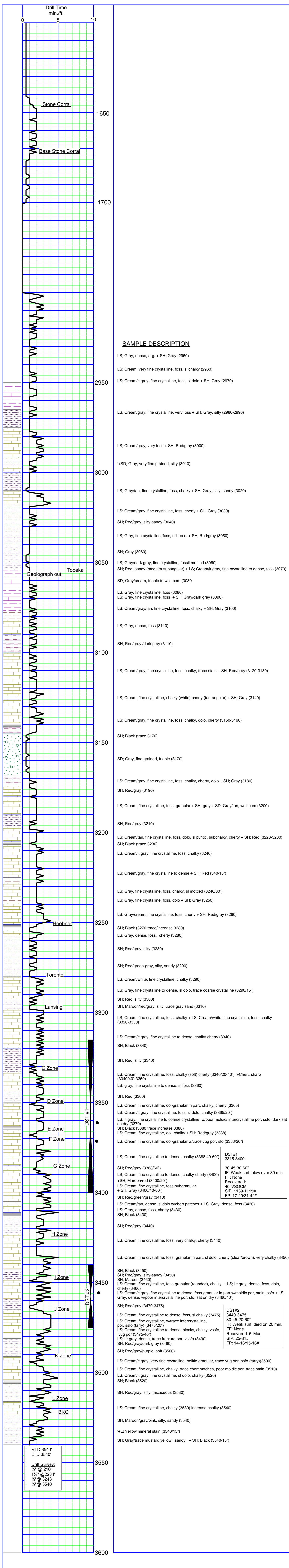
@7:00 A.M.

11-5-12 MIRU/Spud  
 11-6-12 460' Drilling  
 11-7-12 2400' Drilling  
 11-8-12 3243 Bit trip  
 11-9-12 3415 Drilling  
 11-10-12 RTD

Respectfully submitted,  
*Robert J. Petersen*  
 Robert J. Petersen

### REMARKS AND RECOMMENDATIONS

Due to the poor DST results this test was plugged and abandoned.





## DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723  
Alma NE 68920

ATTN: Bob Peterson

### **Beyerlein Unit #1**

### **7-3s-18w Phillips,KS**

Start Date: 2012.11.08 @ 20:50:00

End Date: 2012.11.09 @ 03:58:00

Job Ticket #: 043004                      DST #: 1

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

Printed: 2012.12.31 @ 13:35:18



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Bach Oil Production

**7-3s-18w Phillips,KS**

PO Box 723  
Alma NE 68920

**Beyerlein Unit #1**

Job Ticket: 043004

**DST#: 1**

ATTN: Bob Peterson

Test Start: 2012.11.08 @ 20:50:00

## GENERAL INFORMATION:

Formation: **LKC-C-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:11:00

Time Test Ended: 03:58:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Kreuzer Jr

Unit No: 61

**Interval: 3315.00 ft (KB) To 3400.00 ft (KB) (TVD)**

Reference Elevations: 2044.00 ft (KB)

Total Depth: 3400.00 ft (KB) (TVD)

2039.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8791**

**Inside**

Press @ Run Depth: 41.86 psig @ 3318.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.11.08

End Date:

2012.11.09

Last Calib.: 2012.11.09

Start Time: 20:50:01

End Time:

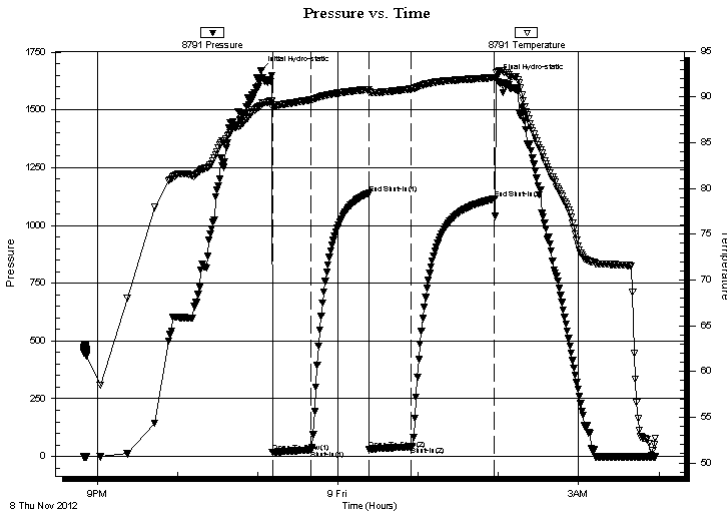
03:58:00

Time On Btm: 2012.11.08 @ 23:02:30

Time Off Btm: 2012.11.09 @ 01:58:30

**TEST COMMENT:** IF: Weak surface blow over 30 mins.  
IS: No blow back over 45 mins.  
FF: Weak surface blow, Died in 20 mins.  
FS: No blow back over 60 mins.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1670.95	89.07	Initial Hydro-static
9	16.74	88.82	Open To Flow (1)
38	28.97	89.67	Shut-In(1)
81	1139.20	90.82	End Shut-In(1)
81	31.47	90.51	Open To Flow (2)
113	41.86	90.86	Shut-In(2)
175	1114.96	92.11	End Shut-In(2)
176	1637.39	92.60	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
40.00	vsosm-4%o96%m	0.20

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Bach Oil Production

**7-3s-18w Phillips,KS**

PO Box 723  
Alma NE 68920

**Beyerlein Unit #1**

Job Ticket: 043004

**DST#: 1**

ATTN: Bob Peterson

Test Start: 2012.11.08 @ 20:50:00

## Tool Information

Drill Pipe:	Length: 3129.00 ft	Diameter: 3.80 inches	Volume: 43.89 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: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 44.80 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3315.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	85.00 ft			
Tool Length:	113.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3292.00	
Hydraulic tool	5.00			3297.00	
Jars	5.00			3302.00	
Safety Joint	3.00			3305.00	
Packer	5.00			3310.00	28.00 Bottom Of Top Packer
Packer	5.00			3315.00	
Stubb	1.00			3316.00	
Perforations	1.00			3317.00	
Change Over Sub	1.00			3318.00	
Recorder	0.00	8791	Inside	3318.00	
Recorder	0.00	8651	Outside	3318.00	
Drill Pipe	64.00			3382.00	
Change Over Sub	1.00			3383.00	
Perforations	14.00			3397.00	
Bullnose	3.00			3400.00	85.00 Bottom Packers & Anchor

**Total Tool Length: 113.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Bach Oil Production

**7-3s-18w Phillips,KS**

PO Box 723  
Alma NE 68920

**Beyerlein Unit #1**

Job Ticket: 043004

**DST#: 1**

ATTN: Bob Peterson

Test Start: 2012.11.08 @ 20:50:00

## 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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 400.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	vsosm-4%o96%m	0.197

Total Length: 40.00 ft      Total Volume: 0.197 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

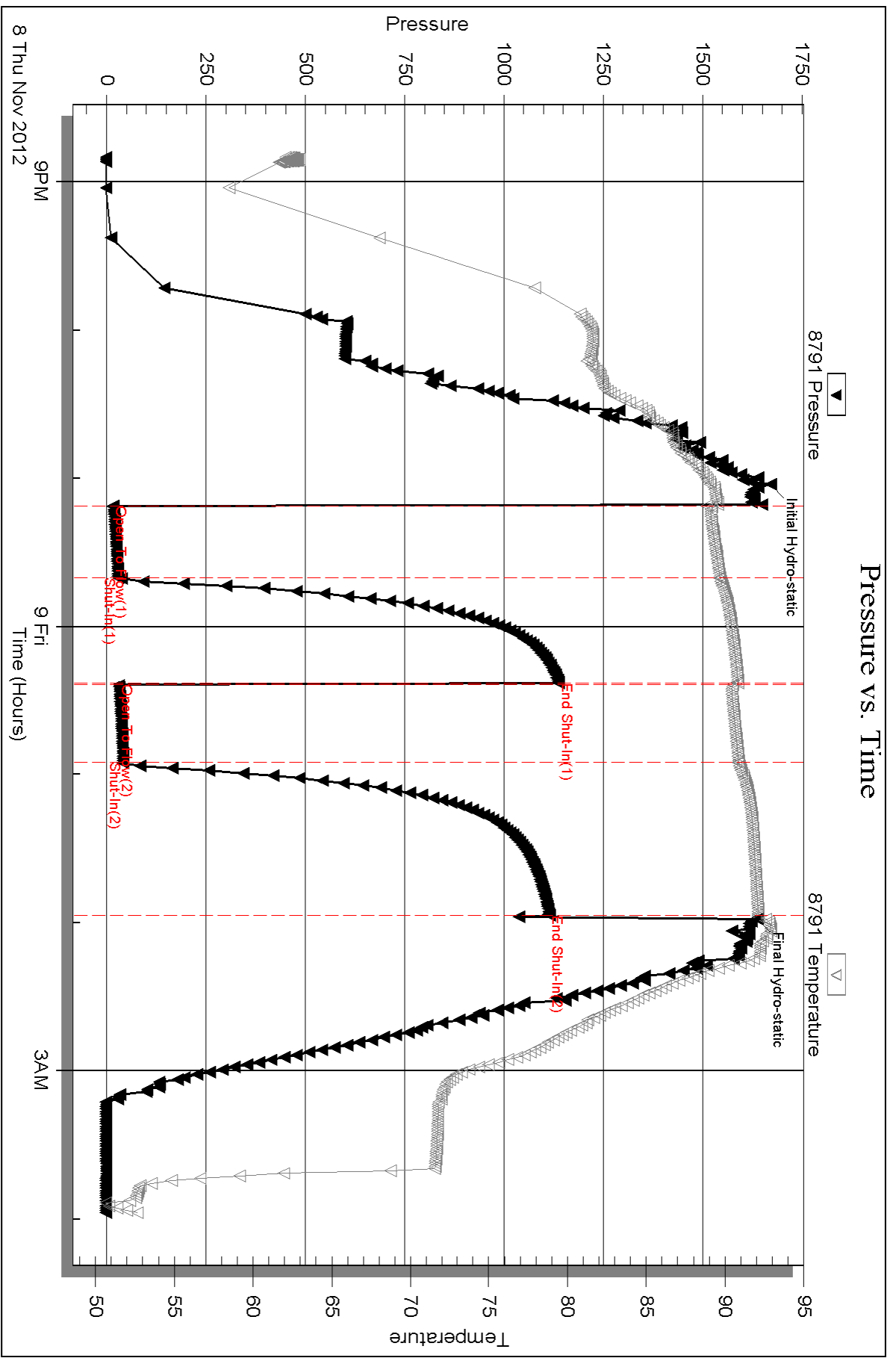
Serial #: 8791

Inside

Bach Oil Production

Beyerlein Unit #1

DST Test Number: 1

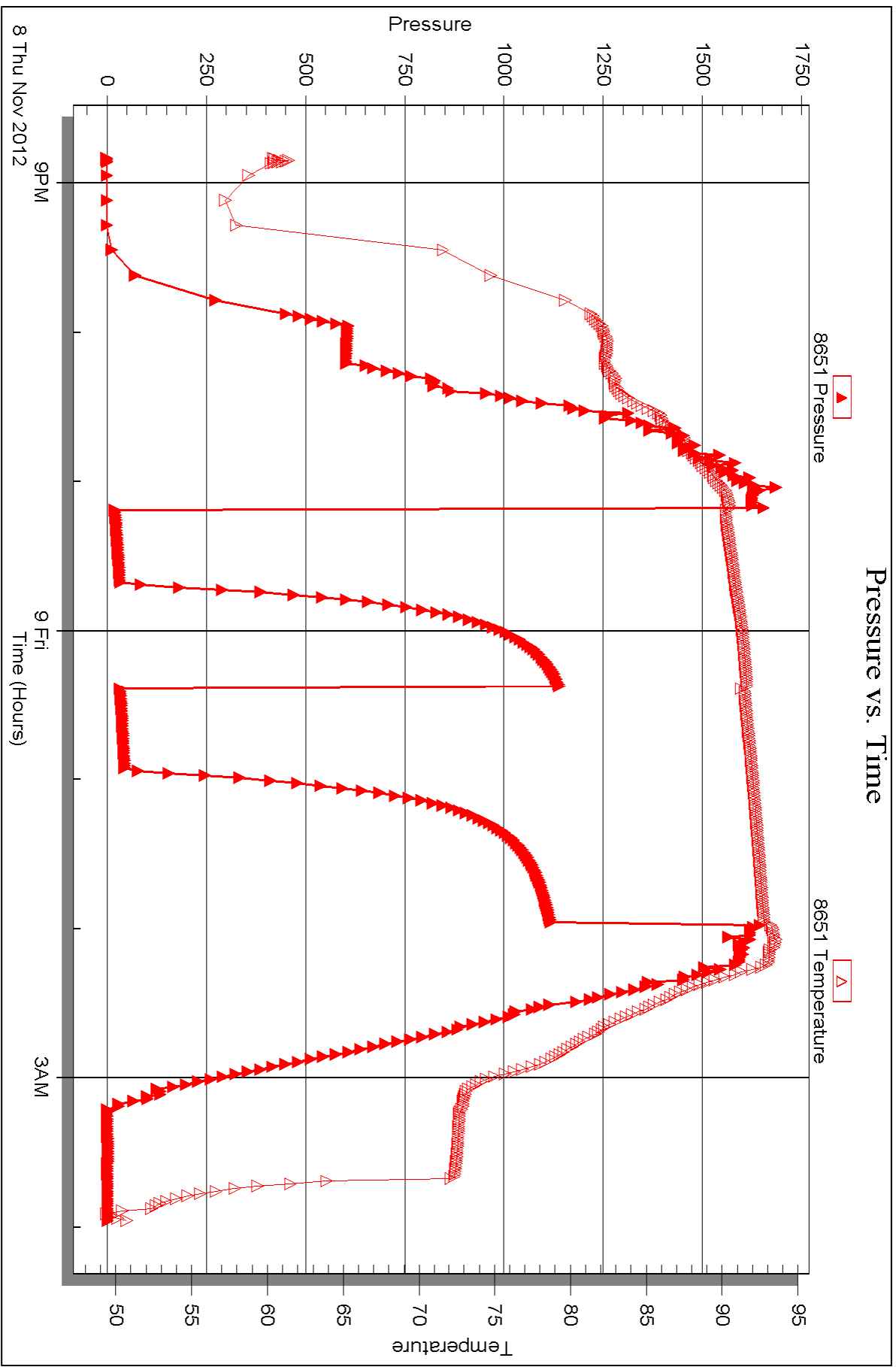


Serial #: 8651

Outside Bach Oil Production

Beyerlein Unit #1

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723  
Alma NE 68920

ATTN: Bob Peterson

### **Beyerlein Unit #1**

### **7-3s-18w Phillips,KS**

Start Date: 2012.11.09 @ 13:55:01

End Date: 2012.11.09 @ 19:46:00

Job Ticket #: 043005                      DST #: 2

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

Printed: 2012.12.31 @ 13:34:28



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Bach Oil Production

**7-3s-18w Phillips,KS**

PO Box 723  
Alma NE 68920

**Beyerlein Unit #1**

ATTN: Bob Peterson

Job Ticket: 043005

**DST#: 2**

Test Start: 2012.11.09 @ 13:55:01

## GENERAL INFORMATION:

Formation: **LKC-**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 15:40:30  
 Time Test Ended: 19:46:00  
 Interval: **3440.00 ft (KB) To 3475.00 ft (KB) (TVD)**  
 Total Depth: 3475.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Chuck Kreuzer Jr.  
 Unit No: 61  
 Reference Elevations: 2044.00 ft (KB)  
 2039.00 ft (CF)  
 KB to GR/CF: 5.00 ft

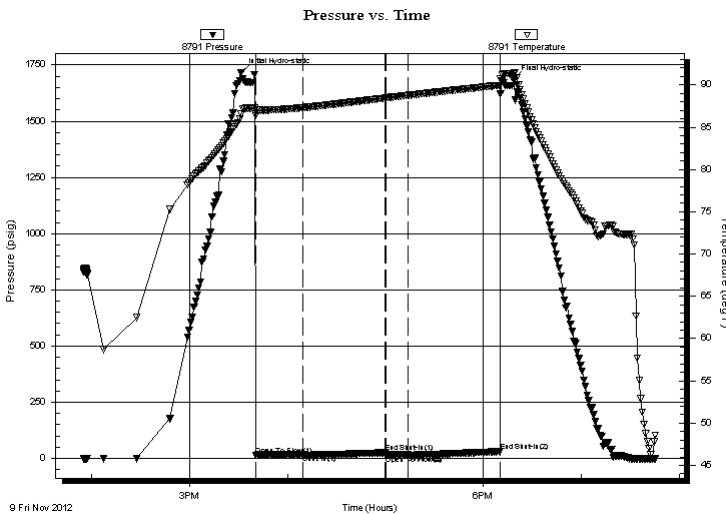
## Serial #: 8791

Inside

Press @ Run Depth: 16.09 psig @ 3442.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.11.09 End Date: 2012.11.09 Last Calib.: 2012.11.09  
 Start Time: 13:55:01 End Time: 19:46:00 Time On Btm: 2012.11.09 @ 15:31:30  
 Time Off Btm: 2012.11.09 @ 18:19:00

TEST COMMENT: IF: Weak blow, Died in 20 mins.  
 IS: No blow back.  
 FF: No blow  
 FS: No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1716.94	86.53	Initial Hydro-static
9	13.91	86.40	Open To Flow (1)
38	16.40	87.31	Shut-In(1)
88	25.44	88.44	End Shut-In(1)
89	15.08	88.45	Open To Flow (2)
102	16.09	88.77	Shut-In(2)
159	30.54	89.96	End Shut-In(2)
168	1687.35	91.40	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud-100%m	0.02

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Bach Oil Production

**7-3s-18w Phillips,KS**

PO Box 723  
Alma NE 68920

**Beyerlein Unit #1**

Job Ticket: 043005

**DST#: 2**

ATTN: Bob Peterson

Test Start: 2012.11.09 @ 13:55:01

## Tool Information

Drill Pipe:	Length: 3256.00 ft	Diameter: 3.80 inches	Volume: 45.67 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: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 46.58 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3440.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	63.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3417.00	
Hydraulic tool	5.00			3422.00	
Jars	5.00			3427.00	
Safety Joint	3.00			3430.00	
Packer	5.00			3435.00	28.00 Bottom Of Top Packer
Packer	5.00			3440.00	
Stubb	1.00			3441.00	
Perforations	1.00			3442.00	
Recorder	0.00	8791	Inside	3442.00	
Recorder	0.00	8651	Outside	3442.00	
Perforations	30.00			3472.00	
Bullnose	3.00			3475.00	35.00 Bottom Packers & Anchor

**Total Tool Length: 63.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Bach Oil Production

**7-3s-18w Phillips,KS**

PO Box 723  
Alma NE 68920

**Beyerlein Unit #1**

Job Ticket: 043005

**DST#: 2**

ATTN: Bob Peterson

Test Start: 2012.11.09 @ 13:55:01

## 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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.38 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 400.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud-100%m	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 8791

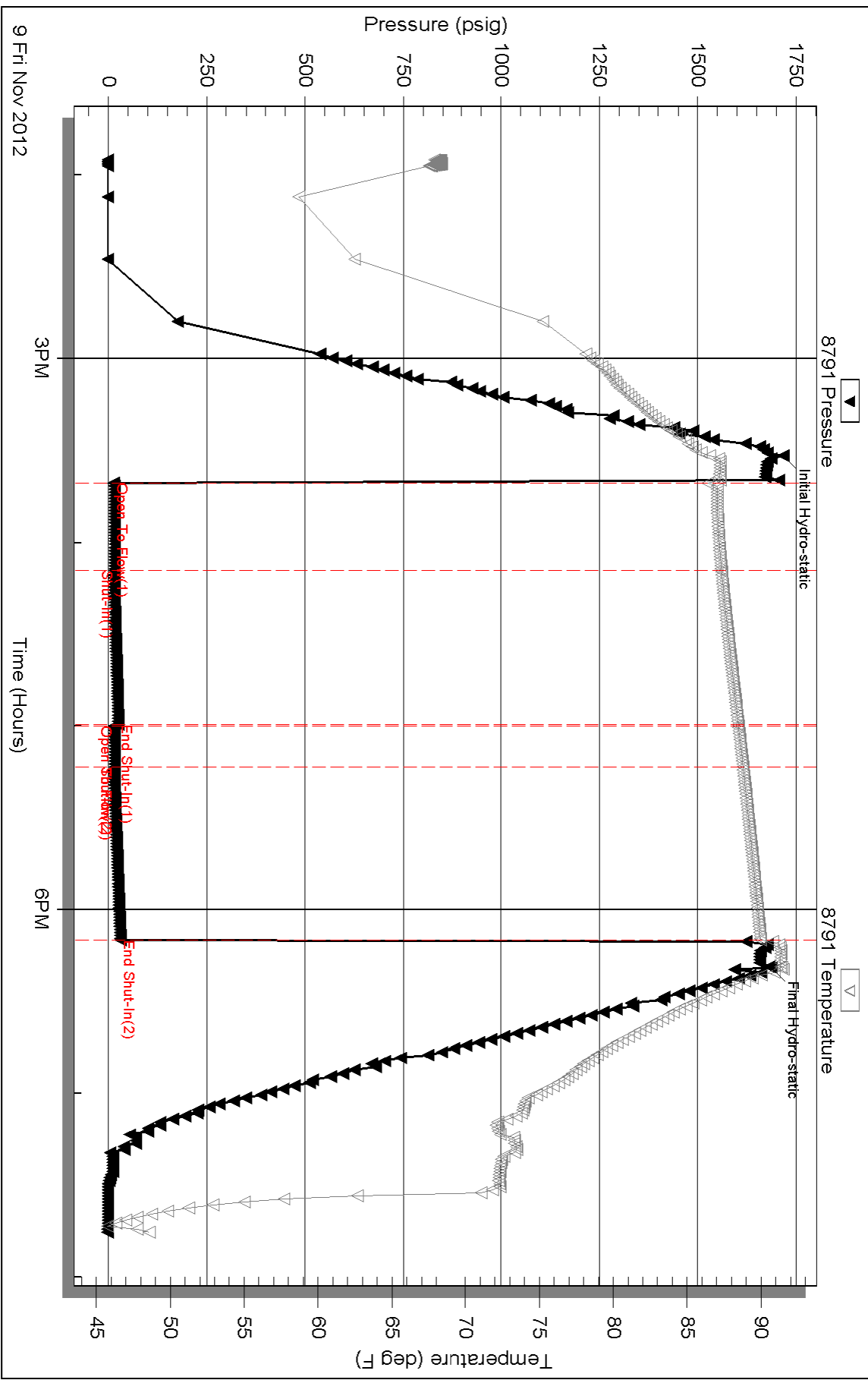
Inside

Bach Oil Production

Beyerlein Unit #1

DST Test Number: 2

### Pressure vs. Time



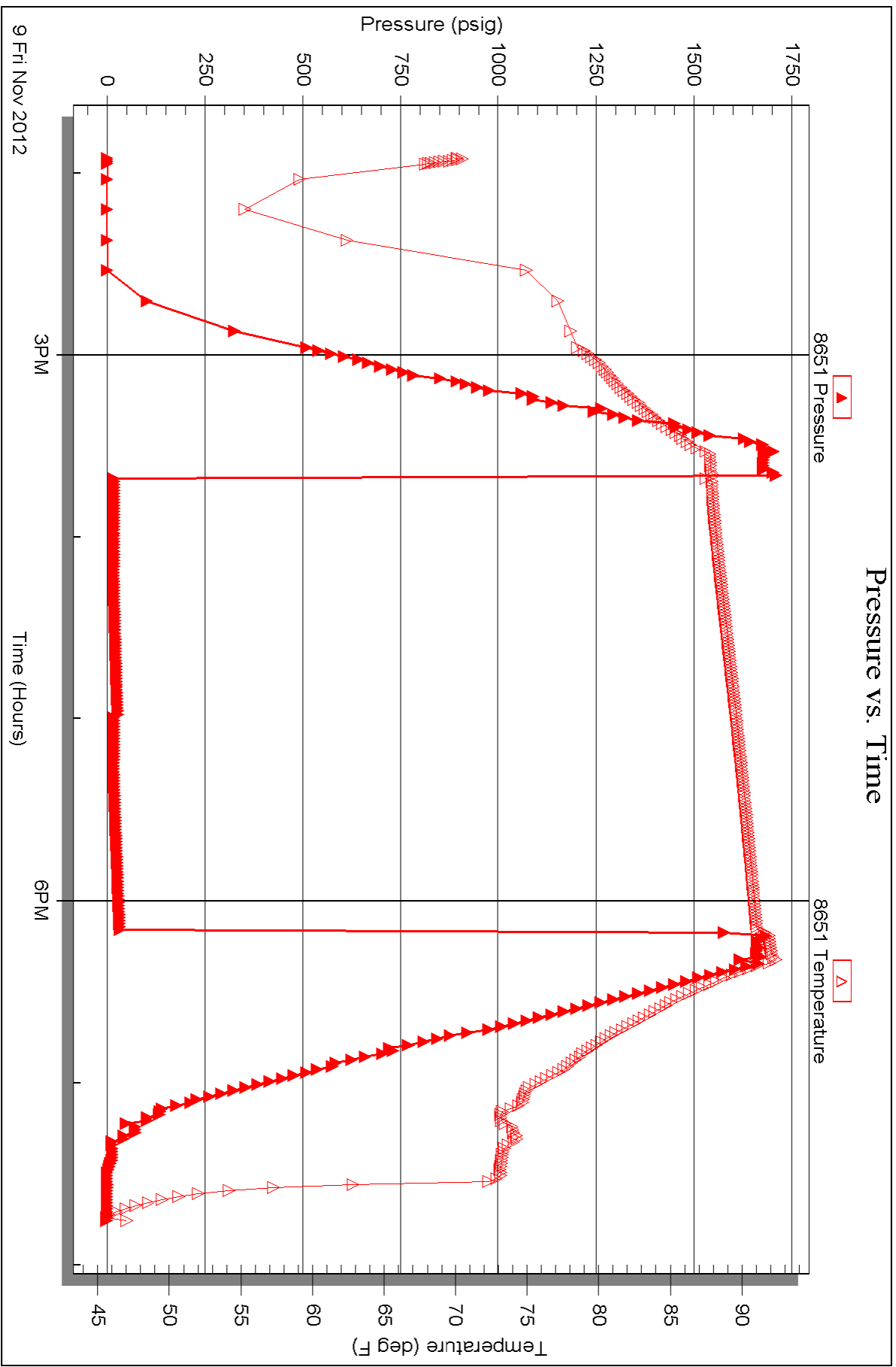
Serial #: 8651

Outside

Bach Oil Production

Beyerlein Unit #1

DST Test Number: 2

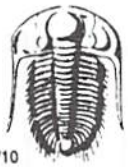


9 Fri Nov 2012

3PM

Time (Hours)

6PM



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 043004

4/10

Well Name & No. Beyeliein Unit #1 Test No. 1 Date 11-8-2012  
 Company Bach, oil Production Elevation 2044 KB 2039 GL  
 Address P.O. Box 723 Alma NE 68920  
 Co. Rep / Geo. BOB Peterson Rig MuFin #8  
 Location: Sec. 7 Twp. 3 Rge. 18W Co. Phillips State KS

Interval Tested 3315 3400 Zone Tested LKC-C-D  
 Anchor Length 85 Drill Pipe Run 3129 Mud Wt. 8.6  
 Top Packer Depth 3310 Drill Collars Run 186 Vis 48  
 Bottom Packer Depth 3315 Wt. Pipe Run -0- WL 6.4  
 Total Depth 3400 Chlorides 400 ppm System LCM 2#

Blow Description IF: Weak surface blow over 30 mins.  
ISE: No blow back  
FF weak surface blow, Dead in 20 mins.  
FST: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>V50SM</u>		<u>4</u>		<u>96</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 40 BHT 92. Gravity 1150 API RW 232.50 @ 19.45 ° F Chlorides 400 ppm

(A) Initial Hydrostatic 1671  Test 1150 T-On Location 19:45  
 (B) First Initial Flow 17  Jars 250 T-Started 20:50  
 (C) First Final Flow 29  Safety Joint 75 T-Open 23:11  
 (D) Initial Shut-In 1199  Circ Sub \_\_\_\_\_ T-Pulled 2:00  
 (E) Second Initial Flow 31  Hourly Standby \_\_\_\_\_ T-Out 3:58  
 (F) Second Final Flow 42  Mileage 8512-1501.55 232.50  
 (G) Final Shut-In 1115  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1637  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 30  
 Final Shut-In 60

Sub Total 1707.50

MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Chuck Krutz Jr.  
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 043005

4/10

Well Name & No. Beyeliein unit #1 Test No. 2 Date 11-9-2012  
 Company Back oil Production Elevation 2044 KB 2039 GL  
 Address P.O. Box 723 Alma Mo. 68420  
 Co. Rep / Geo. BOB Peterson Rig MURFIN #8  
 Location: Sec. 7 Twp. 3 Rge. 18W Co. Phillips State KS

Interval Tested 3440 3475 Zone Tested LKC-  
 Anchor Length 35 Drill Pipe Run 3256 Mud Wt. 8.6  
 Top Packer Depth 3435 Drill Collars Run 186 Vis 48  
 Bottom Packer Depth 3440 Wt. Pipe Run - 0- WL 6.4  
 Total Depth 3475 Chlorides 400 ppm System LCM 2#

Blow Description IF: weak blow died in 2mins.  
ISI: No blow back  
FF: No blow  
FSI: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>mud</u>			<u>100</u>	

Rec Total 5 BHT 68 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>1717</u>	<input checked="" type="checkbox"/> Test 1150	T-On Location <u>13:35</u>
(B) First Initial Flow <u>14</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>13:55</u>
(C) First Final Flow <u>16</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>15:46</u>
(D) Initial Shut-In <u>25</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>18:10</u>
(E) Second Initial Flow <u>15</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>19:46</u>
(F) Second Final Flow <u>16</u>	<input checked="" type="checkbox"/> Mileage <u>75 x 1.55 = 116.25</u> 232.50	Comments <u>Loaded tools 11-9-2012</u>
(G) Final Shut-In <u>31</u>	<input type="checkbox"/> Sampler	<u>a + 9:00</u>
(H) Final Hydrostatic <u>1687</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>20</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1707.50</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1707.50</u>	

Approved By \_\_\_\_\_ Our Representative Chad [Signature]  
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



PO Box 93999  
Southlake, TX 76092

Voice: (817) 546-7282  
Fax: (817) 246-3361

# INVOICE

Invoice Number: 133436  
Invoice Date: Nov 5, 2012  
Page: 1



**Bill To:**

Bach Oil Production  
R. R. #1 Box 28  
Phillipsburg, KS 67661

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Bach	Beyerlein Unit #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Russell	Nov 5, 2012	12/5/12

Quantity	Item	Description	Unit Price	Amount
170.00	MAT	Class A Common	17.90	3,043.00
3.00	MAT	Gel	23.40	70.20
6.00	MAT	Chloride	64.00	384.00
183.51	SER	Cubic Feet	2.48	455.10
561.40	SER	Ton Mileage	2.60	1,459.80
1.00	SER	Surface	1,512.25	1,512.25
67.00	SER	Pump Truck Mileage	7.70	515.90
67.00	SER	Light Vehicle Mileage	4.40	294.80
1.00	EQUIP OPER	Tony Pfannenstiel		
1.00	CEMENTER	Bobby Smith		
1.00	OPER ASSIST	Kevin Rupp		
1.00	OPER ASSIST	Walter Keith		

ALL PRICES ARE NET, PAYABLE  
30 DAYS FOLLOWING DATE OF  
INVOICE. 1 1/2% CHARGED  
THEREAFTER. IF ACCOUNT IS  
CURRENT, TAKE DISCOUNT OF

\$2,065.26

ONLY IF PAID ON OR BEFORE  
Nov 30, 2012

Subtotal	7,735.05
Sales Tax	237.81
Total Invoice Amount	7,972.86
Payment/Credit Applied	
<b>TOTAL</b>	<b>7,972.86</b>





PO Box 93999  
Southlake, TX 76092

Voice: (817) 546-7282  
Fax: (817) 246-3361

# INVOICE

Invoice Number: 133440  
Invoice Date: Nov 10, 2012  
Page: 1



**Bill To:**

Bach Oil Production  
R. R. #1 Box 28  
Phillipsburg, KS 67661

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Bach	Beyerlein Unit #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-03	Russell	Nov 10, 2012	12/10/12

Quantity	Item	Description	Unit Price	Amount
132.00	MAT	Class A Common	17.90	2,362.80
88.00	MAT	Pozmix	9.35	822.80
8.00	MAT	Gel	23.40	187.20
50.00	MAT	Flo Seal	2.97	148.50
236.67	SER	Cubic Feet	2.48	586.93
662.29	SER	Ton Mileage	2.60	1,721.97
1.00	SER	Plug to Abandon	2,600.47	2,600.47
67.00	SER	Pump Truck Mileage	7.70	515.90
67.00	SER	Light Vehicle Mileage	4.40	294.80
1.00	EQP	8.5/8 Wooden Plug	107.64	107.64
1.00	EQUIP OPER	Tony Pfannenstiel		
1.00	CEMENTER	Bobby Smith		
1.00	OPER ASSIST	Kevin Rupp		
1.00	OPER ASSIST	Walter Keith		
1.00	OPER ASSIST	Nathan Donner		

ALL PRICES ARE NET, PAYABLE  
30 DAYS FOLLOWING DATE OF  
INVOICE. 1 1/2% CHARGED  
THEREAFTER. IF ACCOUNT IS  
CURRENT, TAKE DISCOUNT OF

\$ 3,178.66

ONLY IF PAID ON OR BEFORE  
Dec 5, 2012

Subtotal	9,349.01
Sales Tax	635.73
Total Invoice Amount	9,984.74
Payment/Credit Applied	
<b>TOTAL</b>	<b>9,984.74</b>





Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

February 11, 2013

Jason Bach  
Bach, Jason dba Bach Oil Production  
PO BOX 723  
ALMA, NE 68920-0723

Re: ACO1  
API 15-147-20696-00-00  
Beyerlein Unit 1  
NE/4 Sec.07-03S-18W  
Phillips County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Jason Bach