



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1078755
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: _____

1078755

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Bach, Jason dba Bach Oil Production
Well Name	Gaffney Unit 1
Doc ID	1078755

Tops

Name	Top	Datum
Stone Corral	1793	+377
Base Stone Corral	1805	+365
Topeka	3134	-964
Heebner	3341	-1171
Toronto	3368	-1198
Lansing	3386	-1216
Base Kansas City	3602	-1432
Arbuckle	3777	-1607

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

BACH OIL PRODUCTION
WELL: GAFFNEY UNIT#1

LOC.: 920' FNL & 2475' FWL
 SEC. 26-1-19W
 PHILLIPS COUNTY, KANSAS
 API: 15-147-20661-00-00

DRILLING CONTR.: MURFIN RIG #16
 SPUD: 02-28-12 COMP: 03-05-12
 MUD UP: 2950' TYPE MUD: CHEM.
 DRILL TIME: 3000 to' RTD
 RTD: 3840' LTD: 3842'
 SAMPLES SAVED: 3050'-RTD
 GEOLOGIST: ROBERT J. PETERSEN

ELEVATION
 KB: 2170
 GL: 2165
 LOG MEASURED FROM: KB

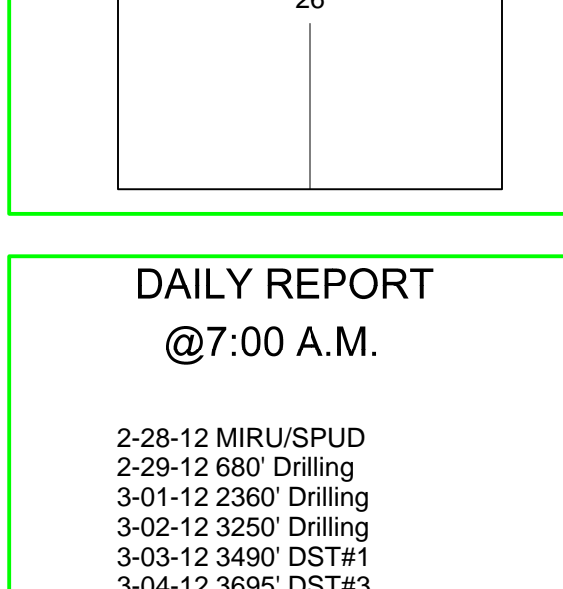
SURFACE CASING
 20# 8 5/8" Casing set @ 229 w/170 SX

PRODUCTION CASING
 N/A D&A

WELL LOG SURVEYS
 DIL/CDL/MICRO

ELECTRIC LOG TOPS

FORMATION	DEPTH	DATUM	POSITION
Stone Corral	1793	+377	-6
Base Stone Corral	1805	+365	+5
Topeka	3134	-964	+6
Heebner	3341	-1171	+12
Toronto	3368	-1198	+10
Lansing	3386	-1216	+10
Base Kansas City	3602	-1432	+12
Arbuckle	3777	-1607	+80



REFERENCE WELL:
 B & R
 E. Richards #1
 NW NW SW
 24-1-19W

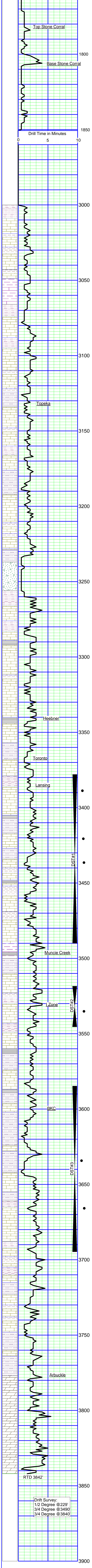
DAILY REPORT
@ 7:00 A.M.

REMARKS AND RECOMMENDATIONS

Due to negative DST results this test was plugged and abandoned.

Respectfully submitted,
Robert J Petersen
 Robert J Petersen

2-28-12 MIRU/SPUD
 2-29-12 680' Drilling
 3-01-12 2360' Drilling
 3-02-12 3250' Drilling
 3-03-12 3490' DST#1
 3-04-12 3695' DST#3
 3-05-12 3840' RTD



SAMPLE DESCRIPTION

LS: Gray/cream, fine crystalline, foss, chalky + SH; Black, carb (3060)

LS: Tan, fine crystalline to dense (3070)

SH; Dark gray (3070)

LS: Gray/tan, fine crystalline to dense, foss + SH; Gray, silty (3080)

LS: Cream/dark gray mottled, mottled, fine crystalline to dense, foss, sl chalky + SH; Gray (3090)

SH; Red, silty, soft (3090)

LS: Cream, fine crystalline, chalky (3090)

LS: Gray/tan, fine crystalline to dense, foss (3100)

SH; Gray, silty (3110)

LS: Gray/tan, dense, foss (3120)

LS: Gray, dense, foss, cherty (3130)

SH; Black (3140)

LS: Cream/gray, fine crystalline to dense, hard, fossil mottled (3150)

LS: Cream/gray, dense, cherty, chalky (3160)

LS: Dark gray, dense, foss (3170)

SH; Black (3170)

LS: Cream/lt gray, fine crystalline to dense, foss, chalky, cherty (3180)

LS: Cream, fine crystalline, foss, chalky, cherty (blocky-white-foss) trace stain (3190)

SH; Gray, sandy (3200)

LS: Cream/tan, fine crystalline, foss, trace stain-dead flaky (3200)

SH; Gray (3210)

LS: Cream/lt gray, fine crystalline to dense, foss, chalky, trace stain (3220)

LS: Cream, fine crystalline, foss w/poro moldic por, trace stain, cherty (3230)

LS: Cream/lt gray, fine crystalline to dense, chalky (3240)

SH; Red/gray (3260)

SH; Red/maroon, sandy (3280)

SH; Red, silty (3290)

LS: Cream/lt gray, fine crystalline, foss, chalky (3290)

SH; Red (3300)

LS: Cream/lt gray, fine crystalline, foss, chalky, cherty (3303 15')

SH; Black (trace 3310)

LS: Cream/lt gray, fine crystalline, foss, trace vug por, trace stain (3310)

SH; Red/gray (3330)

LS: Cream, fine crystalline, foss, subgranular, chalky-soft white, cherty (3340)

LS: Cream/lt gray, fine crystalline to dense, chalky + SH; gray (3350)

LS: Cream/lt gray, fine crystalline, foss, chalky (3360)

SH; Black (flood 3360)

LS: Tan/gray, dense, foss, sl mottled, hard, cherty (3370)

SH; Gray, silty (3370)

SS: Tan/gray, fine grained, silty + SH; Red/gray (3380)

LS: Cream/tan, fine crystalline, foss-granular w/trace intergran por, cherty+ LS; Tan, dolomitic, chalky (3380/15')

LS: Cream w/yellow mineral stain, fine crystalline, foss, subgranular, chalky (3380/20')

SH; Red/gray, sandy (3390-3395)

SH; Red, silty (3395/15')

LS: Cream, fine crystalline, ool, granular, fair to good intergran & moldic por, sfo, light brown stain on dry (3395/15')

LS: Lt gray/cream, fine crystalline, foss, chalky (95/30')

LS: Lt gray, dense, cherty (3410)

LS: cream, fine fine crystalline, foss, chalky (3420)

SH; Black (trace 3420)

SH; Red/maroon/green, silty-sandy (3430)

LS: Cream, fine crystalline, foss, subgran, trace poor moldic por, some coarse crystalline calc regrowth, ssfo (3430)

LS: Cream, fine crystalline, foss, chalky (3340)

SH; Red, silty-sandy (3450)

LS: Cream, fine crystalline, foss-granular, very cherty w/poor intergran por, ssfo (black) sl dolo (3450)

LS: Cream, fine crystalline, chalky, sl dolo, trace stain, abundant chert(blocky translucent gray)(3460)

SH; Black (3470)

SH; Red/gray, silty (3470)

LS: Cream, fine crystalline, sl foss, chalky-soft, trace ppt por, ssfo, no odOr(3480)

SH; Maroon/gray, silty-gummy (3490)

LS: Cream/tan, fine crystalline, sl foss, dolomitic (3490/20')

LS: Cream/lt gray, fine crystalline to dense, chalky (3490/40')

LS: Gray, fine crystalline to dense, foss, sl cherty, tr edge stain (3510)

SH; Black (3510)

SH; Maroon/gray (3520)

LS: Cream/gray, fine crystalline, foss, subgranular, sl dolo, cherty (3530)

SH; Gray/dark gray (3540)

SH; Maroon, silty (3545)

LS: Cream/lt gray, fine crystalline to dense, sl foss, trace moldic por, sfo, dark sat on dry (3545/20')

LS: Cream, fine crystalline to dense, foss-granular, w/fair intergran/vug por, sfo, odor dark sat on dry (3545/20')

LS: Lt gray, fine crystalline, foss, granular, varigated/poorly sorted, sl brecciated, w/fair intergran/moldic por, sfo, odr (3545/60')

SH; Maroon/gray (3550-3560)

LS: Cream/tan, fine crystalline, sl dolo, chalky (3570)

trace ppt por, light stain (3580)

SH; Black (3580)

SH; Red/gray (3580)

LS: Cream, fine crystalline, sl foss, sl dolo, hard, subchalky (3590)

LS: Cream, fine crystalline, ool-granular, sl dolo + LS; Lt gray, fine crystalline (3600)

SH; Black (3610)

LS: Gray, dense (3610)

SH; Red/gray, silty (3610)

LS: Cream/lt gray, fine crystalline, ool, chalky (3620)

LS: Gray, fine crystalline to dense, hard, trace stain (3630)

SH; Red/gray, silty -sandy (3630)

SH; Red, calc, very sandy w/hard SS nodS (3640)

LS: Lt gray, fine crystalline, sl foss, hard (3640)

SH; Red/gray + SS; Gray, very fine grained, friable to well-cem, vsso + LS; Gray, fine crystalline, sandy (3650)

SH; Dark brown hard (3660)

LS: Cream, fine grained, calc, purple mineral stain + LS; Cream w/purple min stain, sandy w/trace frac por, trace dead stain (3660)

SH; Maroon/gray, sandy + SH; Green + SS; Gray, hard, calc (3670)

LS: Cream, fine crystalline to dense, foss, cherty w/poor moldic por, trace stain, ssfo dark stain on dry + SS; Gray, very fine grained, friable + Chert, sandy texture, gray, light stain -bright fl (3680)

LS: Cream, fine crystalline to dense, + SS; Gray/cream, fine grained, hard + SH; Red/gray (3695)

LS: Gray, dense, block, foss, brecciated w/shale inclusion + increase Red/gray shale (3695/20')

LS: Cream, fine crystalline, sandy, chalky + Chert; Gray, sandy, hard (3695/40')

LS: Cream/lt gray, fine to medium crystalline, ool, chalky (3720)

SH; Red, silty-sandy + SH; Black (trace) (3720)

LS: Cream/gray, medium crystalline, ool, chalky (3720-3730)

trace Chert; Gray w/dead stain + SH; Red/gray (3730)

Sand; Clear, well-rounded, medium grained, few clusters, SS; Hard, + SH; Gray, gummy, trace Chert; Gray-slightly pitted/blue-gray-foss (3740)

Sand; Clear, Red, very shaley + LS; Gray/tan, dense, trace chert, trace SH; Olive green/black (3750)

Cgl; Red/Shaley w/Chert; Olive/yellow, angular + SS; Clearm coarse grained+ LS; Cream/lt gray, dense, weathered hematite nodS (3760)

SH; Olive/maroon/red + Chert; White/cream, angular, t+ Chert; White, blocky, trace oolitic chert (arb) trace Qtzite: red, abundant hematite nodS (3770)

Sand; Yellow/red, mineral stain, coarse, subangular to subrounded, poorly sorted, well-cem + SH; Olive/yellow, hard+ Chert + dense LS (3780)

Sand; Olive/red, min stained, coarse, hard + Chert; Yellow/red, ool, trace dolo, abundant SH; Olive/gray, play to hard (3790)

Dolo; Red, ool, cherty w/trace moldic por (barren) + Dolo; Cream, medium crystalline, hard + SH; Red, hard (3800)

Dolo; Light gray/pink, fine to coarse crystalline + dense dolo (3810)

Dolo; Gray, fine to medium crystalline + dense, trace glauc, barren vug por + SH; Black (3820)

Dolo; Light gray/light tan, fine to coarse crystalline, sucrosic w/trace barren vug por, chalky (3830)

Dolo; gray, fine to coarse crystalline, trace barren vug por (3842)

Dolo; Cream/lt gray, coarse crystalline, chalky, vug por barren (3742/30')

Dolo; Gray/pink, coarse crystalline, vug por(barren) sl glauc (3842/60')

DST #1
 3378-3490
 45-45-60"
 IF: 1/4" built to 41/2"
 FF: Surface blow built to 4"
 Recovered: 10' MCO
 SIP: 965-903#
 FP: 19-22/23-24#

DST #2
 3518-3545
 60-45-30-45"
 IF: Weak built to 1"
 FF: None
 Recovered: 10' MCO
 SIP: 965-903#
 FP: 19-22/23-24#

DST #3
 3585-3695'
 45-45-60"
 IF: 1/2" built to 6 1/2"
 FF: Surface blow built to 5 1/4"
 SIP: 1148-1150#
 FP: 26-54/57-77#



DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

Gaffrey Unit #1

26-1w-19s Phillips,KS

Start Date: 2012.03.02 @ 23:42:00

End Date: 2012.03.03 @ 07:39:15

Job Ticket #: 45611 DST #: 1

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

Printed: 2012.03.09 @ 13:50:32



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Bach Oil Production

26-1w-19s Phillips,KS

PO Box 723
Alma, NE 68920

Gaffrey Unit #1

Job Ticket: 45611

DST#: 1

ATTN: Bob Peterson

Test Start: 2012.03.02 @ 23:42:00

GENERAL INFORMATION:

Formation: **LKC "A-G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:10:45

Time Test Ended: 07:39:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 43

Interval: 3378.00 ft (KB) To 3490.00 ft (KB) (TVD)

Reference Elevations: 2170.00 ft (KB)

Total Depth: 3490.00 ft (KB) (TVD)

2165.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press @ Run Depth: 69.17 psig @ 3379.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.02

End Date:

2012.03.03

Last Calib.: 2012.03.03

Start Time: 23:42:05

End Time:

07:39:14

Time On Btm: 2012.03.03 @ 02:10:30

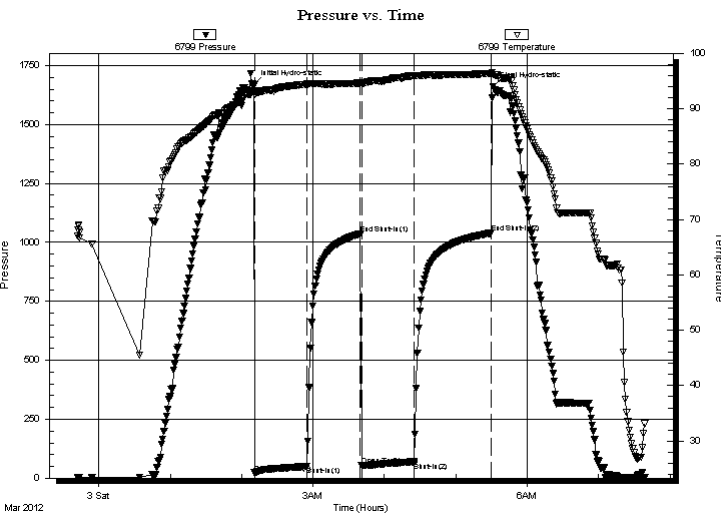
Time Off Btm: 2012.03.03 @ 05:31:30

TEST COMMENT: IF- 1/4" Blow built to 5 1/2"

IS- No Return

FF- Surface blow built to 4"

FS- No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1668.09	93.23	Initial Hydro-static
1	22.39	92.59	Open To Flow (1)
45	50.65	94.45	Shut-In(1)
90	1037.03	94.66	End Shut-In(1)
91	53.17	94.51	Open To Flow (2)
135	69.17	96.00	Shut-In(2)
200	1039.97	96.34	End Shut-In(2)
201	1661.65	96.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	OSM 100M (oil spots)	0.99

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

26-1w-19s Phillips,KS

PO Box 723
Alma, NE 68920

Gaffrey Unit #1

Job Ticket: 45611

DST#: 1

ATTN: Bob Peterson

Test Start: 2012.03.02 @ 23:42:00

Tool Information

Drill Pipe:	Length: 3330.00 ft	Diameter: 3.80 inches	Volume: 46.71 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume: 46.86 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial	45000.00 lb
Depth to Top Packer:	3378.00 ft			Final	45000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	112.00 ft				
Tool Length:	141.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3350.00	
Shut In Tool	5.00			3355.00	
Hydraulic tool	5.00			3360.00	
Jars	5.00			3365.00	
Safety Joint	3.00			3368.00	
Packer	5.00			3373.00	29.00 Bottom Of Top Packer
Packer	5.00			3378.00	
Stubb	1.00			3379.00	
Recorder	0.00	8648	Inside	3379.00	
Recorder	0.00	6799	Inside	3379.00	
Perforations	9.00			3388.00	
Change Over Sub	1.00			3389.00	
Drill Pipe	95.00			3484.00	
Change Over Sub	1.00			3485.00	
Bullnose	5.00			3490.00	112.00 Bottom Packers & Anchor

Total Tool Length: 141.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

26-1w-19s Phillips,KS

PO Box 723
Alma, NE 68920

Gaffrey Unit #1

Job Ticket: 45611

DST#: 1

ATTN: Bob Peterson

Test Start: 2012.03.02 @ 23:42:00

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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	OSM 100M (oil spots)	0.989

Total Length: 90.00 ft Total Volume: 0.989 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

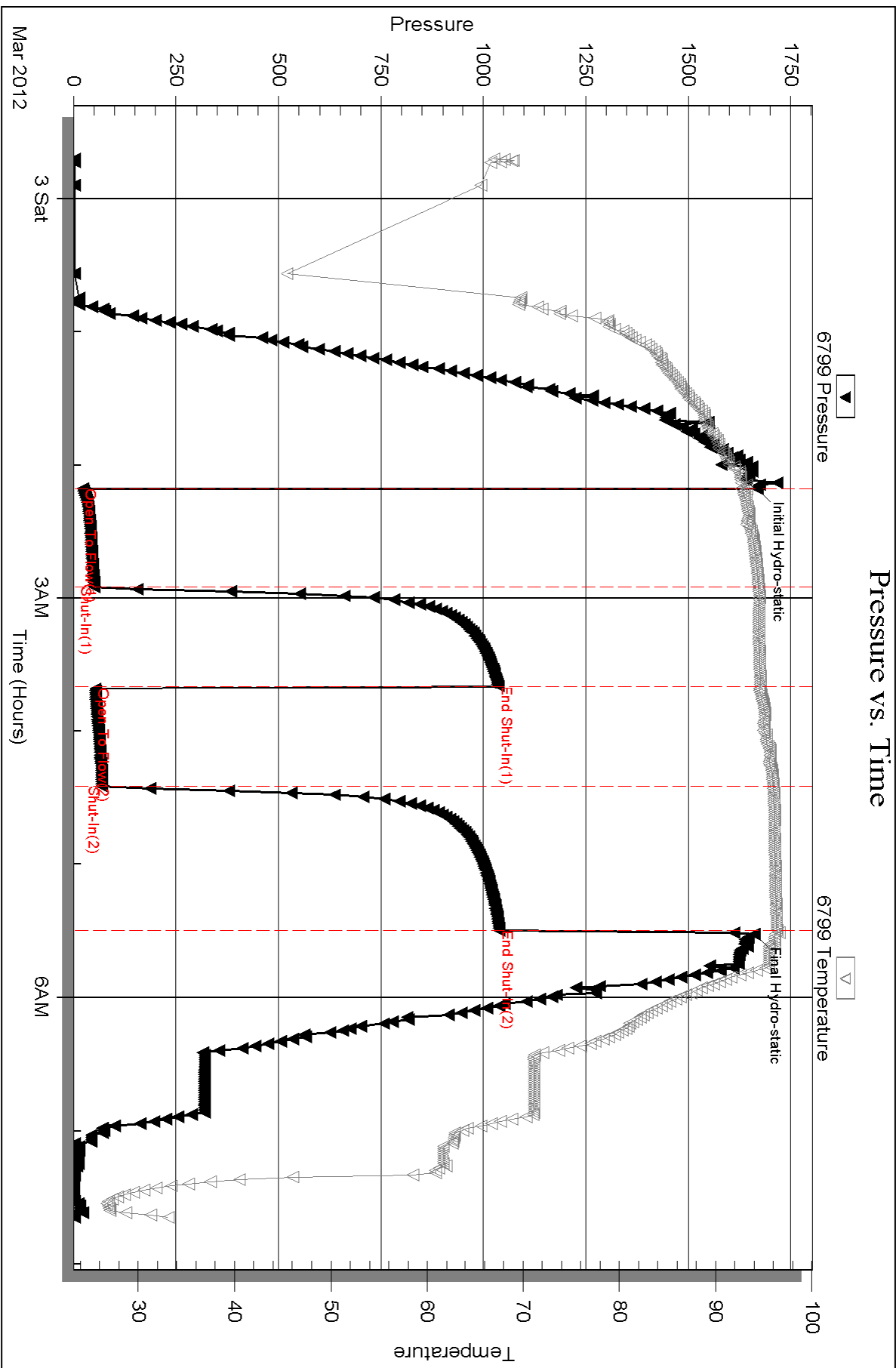
Serial #: 6799

Inside

Bach Oil Production

Gaffrey Unit #1

DST Test Number: 1



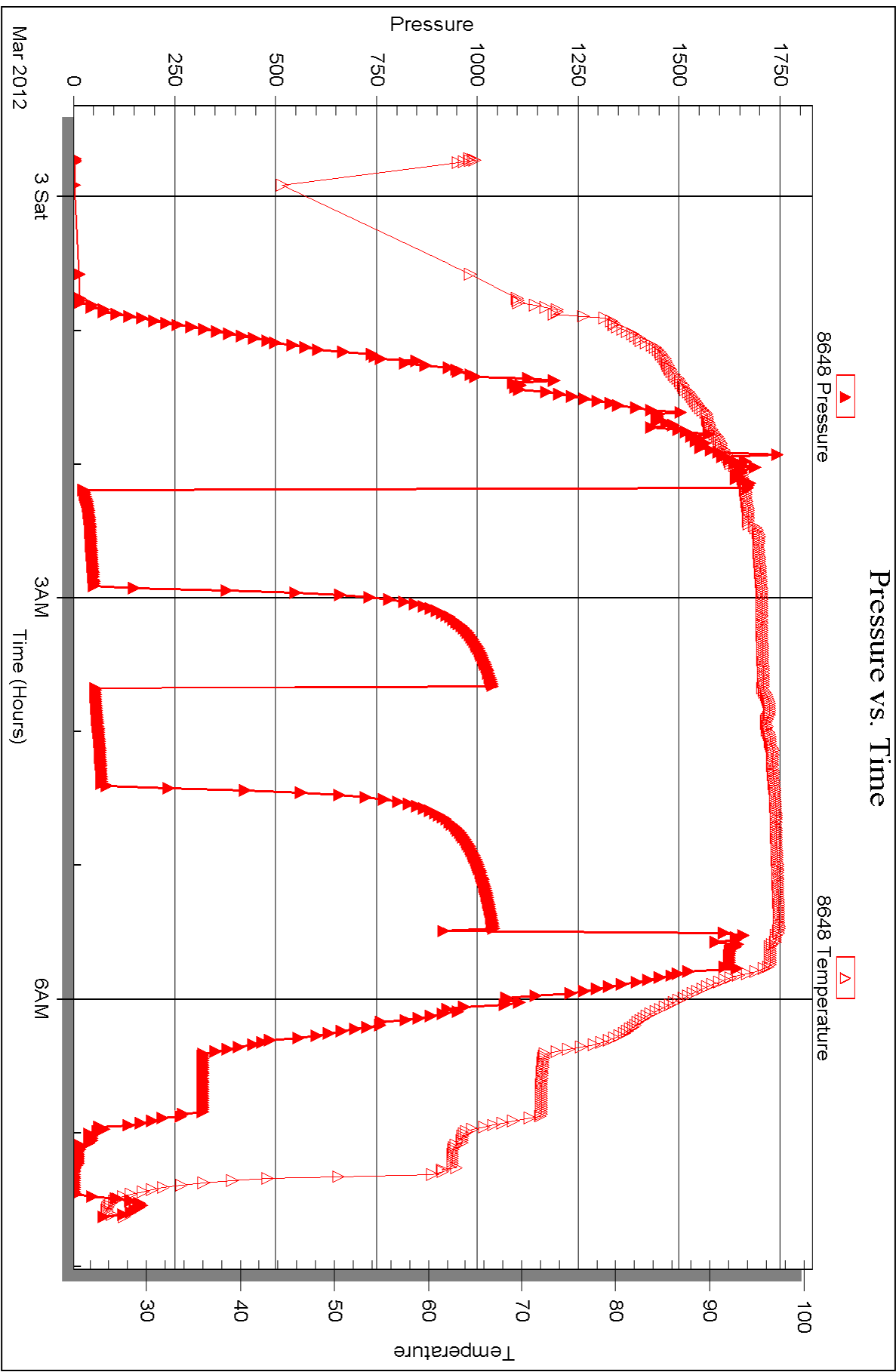
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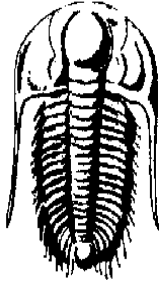
Inside

Bach Oil Production

Gatfrey Unit #1

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

Gaffrey Unit #1

26-1w-19s Phillips,KS

Start Date: 2012.03.03 @ 14:40:00

End Date: 2012.03.03 @ 21:31:45

Job Ticket #: 45612 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.03.09 @ 13:48:55



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Bach Oil Production

26-1w-19s Phillips,KS

PO Box 723
Alma, NE 68920

Gaffrey Unit #1

Job Ticket: 45612

DST#: 2

ATTN: Bob Peterson

Test Start: 2012.03.03 @ 14:40:00

GENERAL INFORMATION:

Formation: **LKC "I"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:52:45
 Time Test Ended: 21:31:45
 Interval: **3518.00 ft (KB) To 3545.00 ft (KB) (TVD)**
 Total Depth: 3545.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Kevin Mack
 Unit No: 43
 Reference Elevations: 2170.00 ft (KB)
 2165.00 ft (CF)
 KB to GR/CF: 5.00 ft

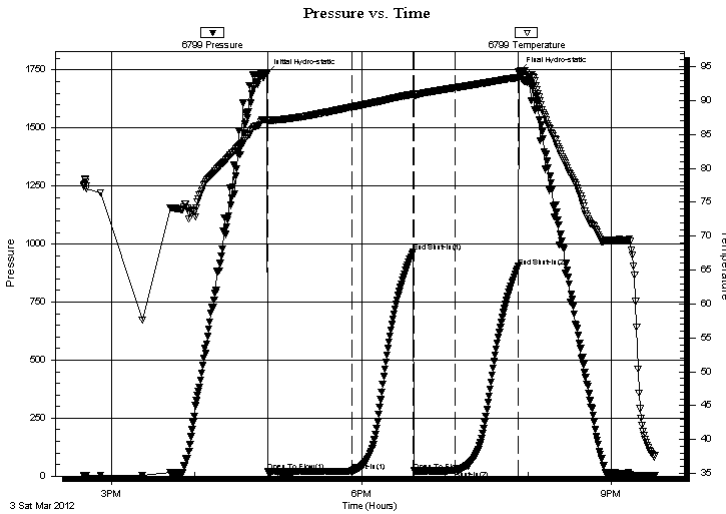
Serial #: 6799

Inside

Press @ Run Depth: 23.66 psig @ 3519.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.03.03 End Date: 2012.03.03 Last Calib.: 2012.03.03
 Start Time: 14:40:05 End Time: 21:31:44 Time On Btm: 2012.03.03 @ 16:52:00
 Time Off Btm: 2012.03.03 @ 19:53:15

TEST COMMENT: IF- Surface blow built to 1"
 IS- No Return
 FF- No Blow
 FS- No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1735.77	87.23	Initial Hydro-static
1	18.70	86.97	Open To Flow (1)
61	22.33	89.05	Shut-In(1)
105	965.08	90.95	End Shut-In(1)
106	22.81	90.80	Open To Flow (2)
136	23.66	91.91	Shut-In(2)
181	903.44	93.42	End Shut-In(2)
182	1744.18	94.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	MCO 90o 10M	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

26-1w-19s Phillips,KS

PO Box 723
Alma, NE 68920

Gaffrey Unit #1

Job Ticket: 45612

DST#: 2

ATTN: Bob Peterson

Test Start: 2012.03.03 @ 14:40:00

Tool Information

Drill Pipe:	Length: 3489.00 ft	Diameter: 3.80 inches	Volume: 48.94 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 49.09 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3518.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	56.00 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
Change Over Sub	1.00			3490.00	
Shut In Tool	5.00			3495.00	
Hydraulic tool	5.00			3500.00	
Jars	5.00			3505.00	
Safety Joint	3.00			3508.00	
Packer	5.00			3513.00	29.00 Bottom Of Top Packer
Packer	5.00			3518.00	
Stubb	1.00			3519.00	
Recorder	0.00	8648	Inside	3519.00	
Recorder	0.00	6799	Inside	3519.00	
Perforations	21.00			3540.00	
Bullnose	5.00			3545.00	27.00 Bottom Packers & Anchor

Total Tool Length: 56.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

26-1w-19s Phillips,KS

PO Box 723
Alma, NE 68920

Gaffrey Unit #1

Job Ticket: 45612

DST#: 2

ATTN: Bob Peterson

Test Start: 2012.03.03 @ 14:40:00

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: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	MCO 90o 10M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6799

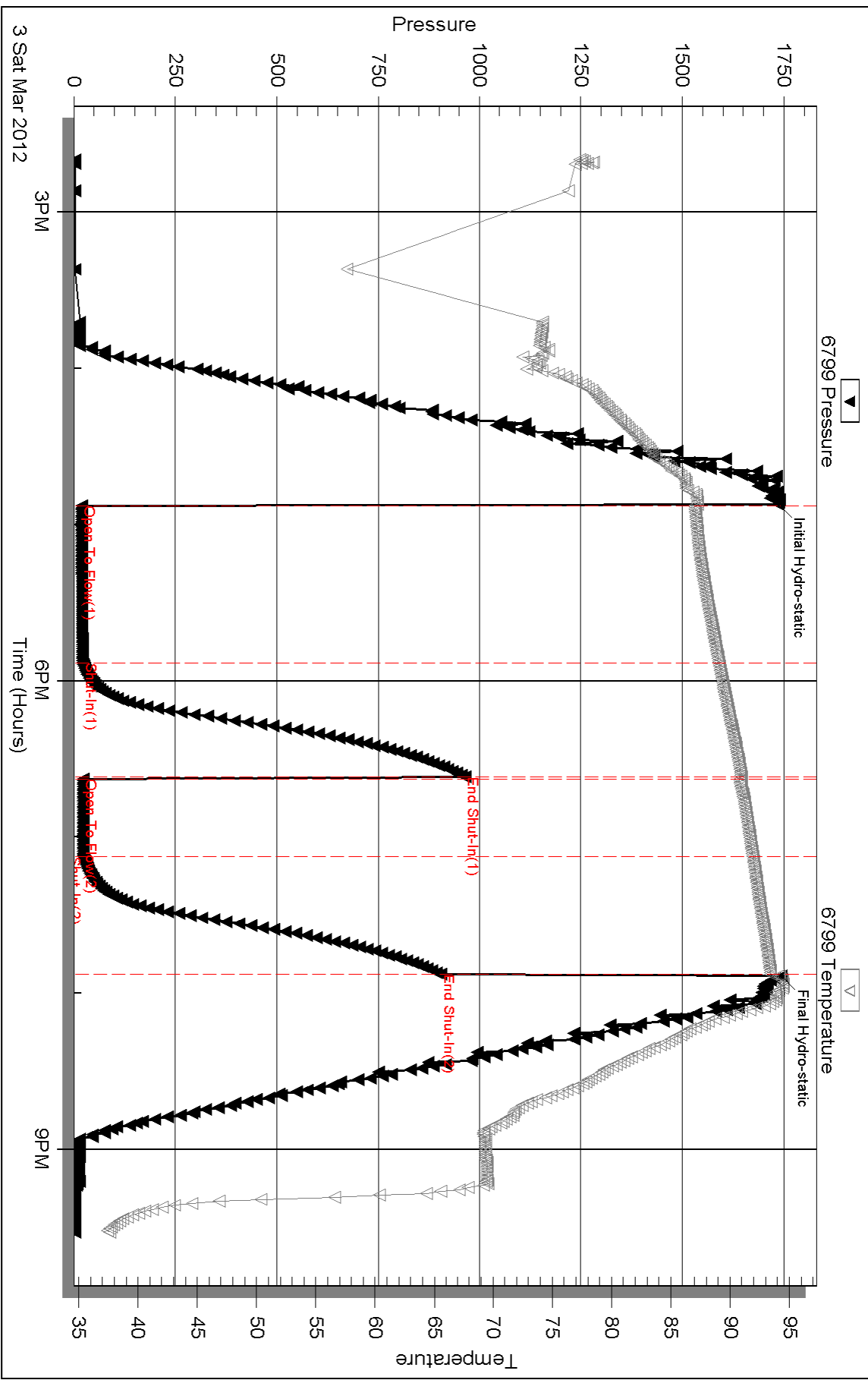
Inside

Bach Oil Production

Gaffrey Unit #1

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 45612

Printed: 2012.03.09 @ 13:48:59

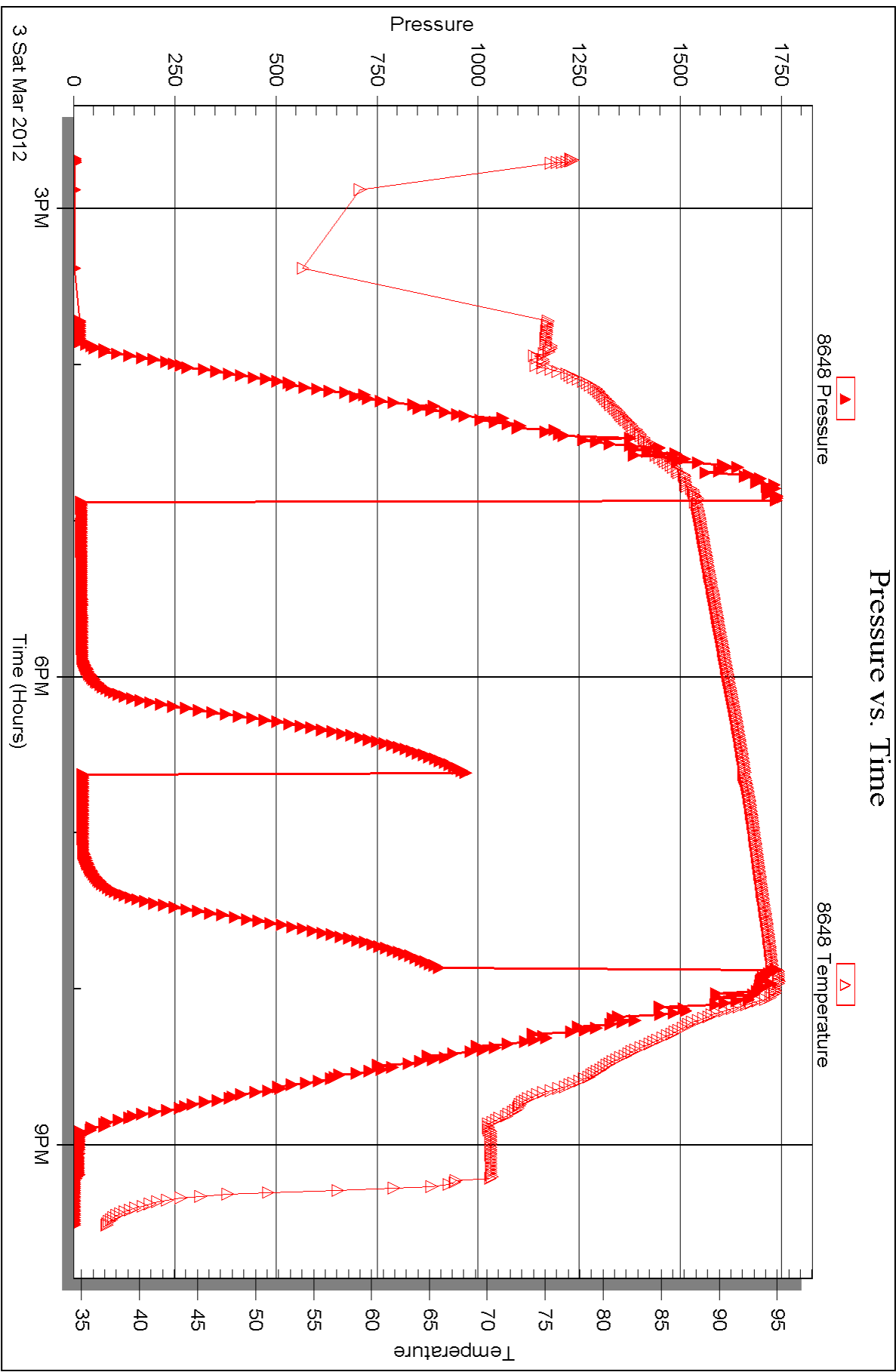
Serial #: 8648

Inside

Bach Oil Production

Gaffrey Unit #1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

Gaffrey Unit #1

26-1w-19s Phillips,KS

Start Date: 2012.03.04 @ 09:38:00

End Date: 2012.03.04 @ 16:45:15

Job Ticket #: 45613 DST #: 3

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

Printed: 2012.03.09 @ 13:48:10



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bach Oil Production

26-1w-19s Phillips,KS

PO Box 723
Alma, NE 68920

Gaffrey Unit #1

Job Ticket: 45613

DST#: 3

ATTN: Bob Peterson

Test Start: 2012.03.04 @ 09:38:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:46:15

Time Test Ended: 16:45:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 43

Interval: 3585.00 ft (KB) To 3695.00 ft (KB) (TVD)

Reference Elevations: 2170.00 ft (KB)

Total Depth: 3695.00 ft (KB) (TVD)

2165.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6799 Inside

Press @ Run Depth: 77.01 psig @ 3586.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.04

End Date:

2012.03.04

Last Calib.: 2012.03.04

Start Time: 09:38:05

End Time:

16:45:14

Time On Btm: 2012.03.04 @ 11:45:30

Time Off Btm: 2012.03.04 @ 15:04:15

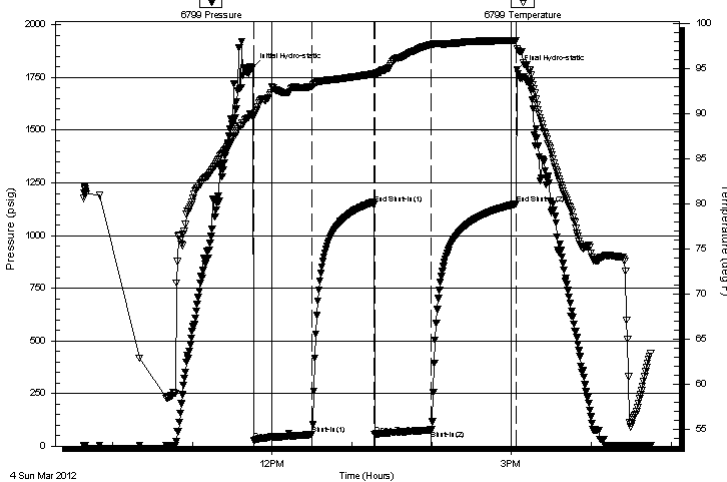
TEST COMMENT: IF- 1/2" Blow built to 6 1/2"

IS- No Return

FF- Surface blow built to 5 1/4"

FS- No Return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1797.52	89.86	Initial Hydro-static
1	26.97	89.76	Open To Flow (1)
45	54.85	93.03	Shut-In(1)
91	1148.31	94.43	End Shut-In(1)
92	57.65	94.41	Open To Flow (2)
135	77.01	97.70	Shut-In(2)
198	1150.54	98.16	End Shut-In(2)
199	1788.50	97.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MW 40M 60W	0.57
60.00	Mud 100M	0.84

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

26-1w-19s Phillips,KS

PO Box 723
Alma, NE 68920

Gaffrey Unit #1

Job Ticket: 45613

DST#: 3

ATTN: Bob Peterson

Test Start: 2012.03.04 @ 09:38:00

Tool Information

Drill Pipe:	Length: 3548.00 ft	Diameter: 3.80 inches	Volume: 49.77 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: 30.00 ft	Diameter: 2.23 inches	Volume: 0.14 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 49.91 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3585.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	110.00 ft			
Tool Length:	139.00 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
Change Over Sub	1.00			3557.00	
Shut In Tool	5.00			3562.00	
Hydraulic tool	5.00			3567.00	
Jars	5.00			3572.00	
Safety Joint	3.00			3575.00	
Packer	5.00			3580.00	29.00 Bottom Of Top Packer
Packer	5.00			3585.00	
Stubb	1.00			3586.00	
Recorder	0.00	8648	Inside	3586.00	
Recorder	0.00	6799	Inside	3586.00	
Perforations	7.00			3593.00	
Change Over Sub	1.00			3594.00	
Drill Pipe	95.00			3689.00	
Change Over Sub	1.00			3690.00	
Bullnose	5.00			3695.00	110.00 Bottom Packers & Anchor

Total Tool Length: 139.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

26-1w-19s Phillips,KS

PO Box 723
Alma, NE 68920

Gaffrey Unit #1

Job Ticket: 45613

DST#: 3

ATTN: Bob Peterson

Test Start: 2012.03.04 @ 09:38:00

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:

15000 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	MW 40M 60W	0.566
60.00	Mud 100M	0.842

Total Length: 120.00 ft Total Volume: 1.408 bbl

Num Fluid Samples: 0

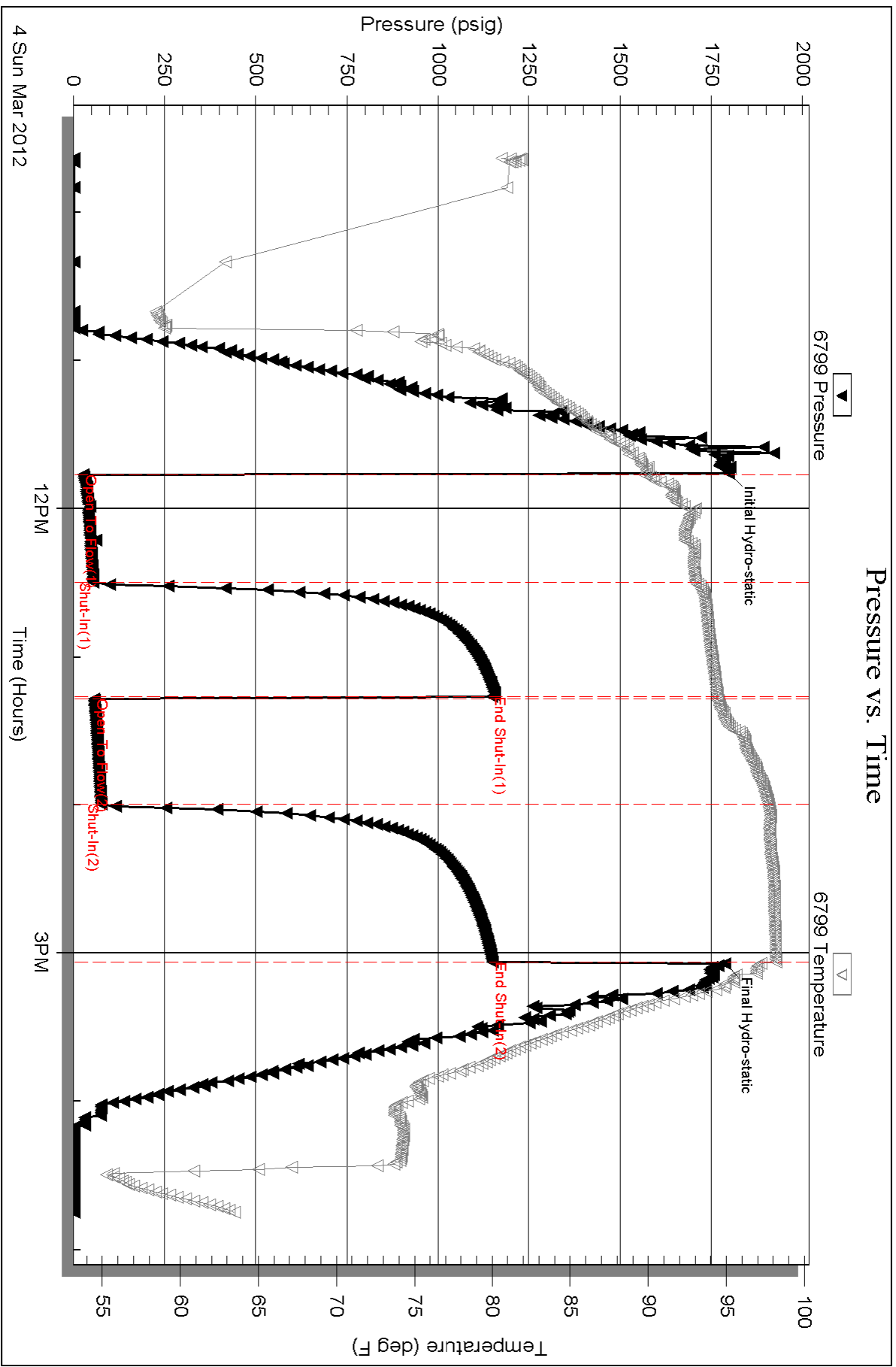
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .48@67 de. = 15000 ppm



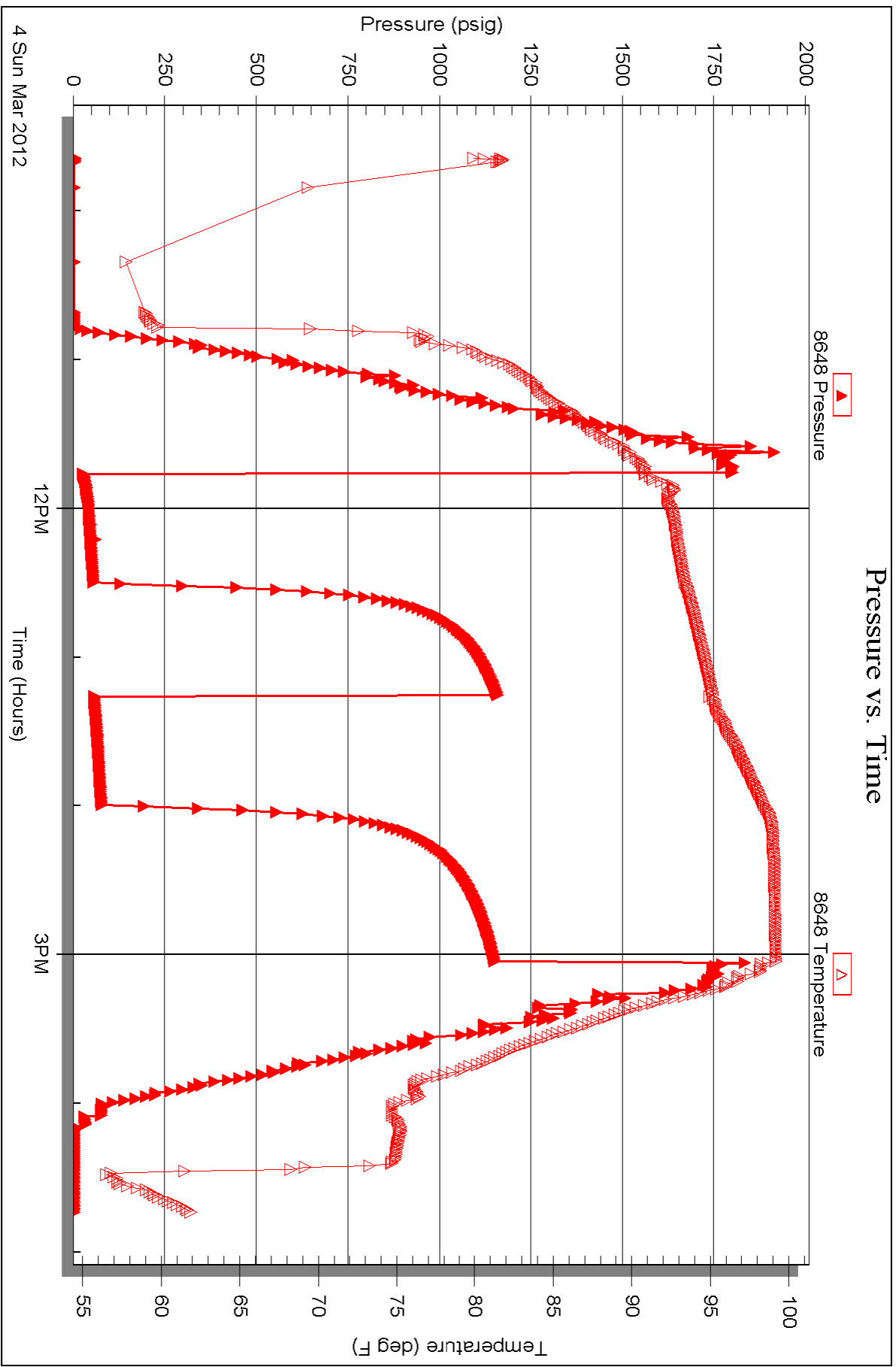
Serial #: 8648

Inside

Bach Oil Production

Garfrey Unit #1

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 45613

Printed: 2012.03.09 @ 13:48:13



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAR 07 2012

Test Ticket

NO. 45611

BY: _____

Well Name & No. Gaffrey Unit #1 Test No. 1 Date 3-2-12
 Company Bach Oil Production Elevation 2170 KB 2165 GL
 Address PO Box 723 Alma, NE 68920
 Co. Rep / Geo. Bob P. Rig Murfin #16
 Location: Sec. 26 Twp. 1W Rge. 19 Co. Phillips State KS

Interval Tested 3378-3490 Zone Tested LKC "A-6"
 Anchor Length 112 Drill Pipe Run 3330 Mud Wt. 8.8
 Top Packer Depth 3374 Drill Collars Run 30' Vis 56
 Bottom Packer Depth 3378 Wt. Pipe Run Ø WL 6.8
 Total Depth 3390 Chlorides 800 ppm System LCM 3#
 Blow Description IF - 1/4" Blow built to 5 1/2"
IS - NO Return
FF - Surface Blow built to 4"
FS - NO Return

Rec	Feet of	%gas	spots	%oil	%water	%mud
90	OSM				100%	
Rec	Feet of	%gas		%oil	%water	%mud
Rec	Feet of	%gas		%oil	%water	%mud
Rec	Feet of	%gas		%oil	%water	%mud

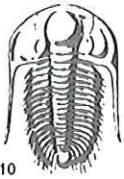
Rec Total 90 BHT 96 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>1668</u>	<input checked="" type="checkbox"/> Test <u>1125'</u>	T-On Location <u>11:30 PM</u>
(B) First Initial Flow <u>22</u>	<input checked="" type="checkbox"/> Jars <u>250'</u>	T-Started <u>11:42 PM</u>
(C) First Final Flow <u>50</u>	<input checked="" type="checkbox"/> Safety Joint <u>75'</u>	T-Open <u>2:10 AM</u>
(D) Initial Shut-In <u>1037</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIL</u>	T-Pulled <u>6:25 AM</u>
(E) Second Initial Flow <u>53</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>7:38 AM</u>
(F) Second Final Flow <u>69</u>	<input checked="" type="checkbox"/> Mileage <u>132 RT 184.80</u>	Comments _____
(G) Final Shut-In <u>1039</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>1661</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer
Initial Open <u>45</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	Sub Total <u>Ø</u>
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	Total <u>1634.80</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility	
	Sub Total <u>1634.80</u>	

Approved By _____

Our Representative [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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED Test Ticket

MAR 07 2012

NO. 45612

4/10

BY: _____

Well Name & No. Gaffney Unit #1 Test No. 2 Date 3-3-12
 Company Buch Oil Production Elevation 2170 KB 2165 GL
 Address PO Box 723 Alma, NE 68920
 Co. Rep / Geo. Bob P. Rig Muffin #16
 Location: Sec. 26 Twp. 1w Rge. 19 Co. Phillips State KS

Interval Tested 3518-3545 Zone Tested LKC "I"
 Anchor Length 27' Drill Pipe Run _____ Mud Wt. 9.1
 Top Packer Depth 3514 Drill Collars Run 30' Vis 44
 Bottom Packer Depth 3518 Wt. Pipe Run Ø WL 8.0
 Total Depth 3545 Chlorides 1,000 ppm System LCM 2.5#
 Blow Description IF - Weak surface blow built to 1"
IS - No Return
FF - No Blow
FS - NO Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>MCO</u>	<u>90</u>		<u>10</u>	
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

Rec Total 10 BHT 93 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>1735</u>	<input checked="" type="checkbox"/> Test <u>1125</u>	T-On Location <u>2:12 PM</u>
(B) First Initial Flow <u>18</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>2:40 PM</u>
(C) First Final Flow <u>22</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>4:52 PM</u>
(D) Initial Shut-In <u>965</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>7:52 PM</u>
(E) Second Initial Flow <u>22</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>9:30 PM</u>
(F) Second Final Flow <u>23</u>	<input checked="" type="checkbox"/> Mileage <u>132 RT 184.80</u>	Comments _____
(G) Final Shut-In <u>963</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1744</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>4560</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>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>Ø</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby _____	Total <u>11634.80</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>11634.80</u>	

Approved By _____ Our Representative [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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED Test Ticket

MAR 07 2012

NO. 45613

4/10

BY: _____

Well Name & No. Gaffrey Unit #1 Test No. 3 Date 3-4-12
 Company Buck Oil Production Elevation 2170 KB 2165 GL
 Address PO Box 723 Almay NE 68920
 Co. Rep / Geo. Bob P. Rig Murphy #16
 Location: Sec. 26 Twp. 1w Rge. 19 Co. Phillips State KS

Interval Tested 3585-3695 Zone Tested Marm.
 Anchor Length 110' Drill Pipe Run 3548' Mud Wt. 9.1
 Top Packer Depth 3581 Drill Collars Run 30' Vis 44
 Bottom Packer Depth 3585 Wt. Pipe Run Ø WL 8.0
 Total Depth 3695 Chlorides 1,000 ppm System LCM 2.5-#
 Blow Description IF - 1/2" Blow built to 6 1/2"
IS - No Return
FF - Surface blow built to 5 1/4"
FS - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>Mud</u>			<u>100</u>	
<u>60</u>	<u>MW</u>		<u>60</u>	<u>40</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 120 BHT 98 Gravity — API RW .48 @ 67 °F Chlorides 15,000 ppm
 (A) Initial Hydrostatic 1797 Test 1125 T-On Location 7:40 AM
 (B) First Initial Flow 26 Jars 250 T-Started 9:38 AM
 (C) First Final Flow 54 Safety Joint 75' T-Open 11:45 AM
 (D) Initial Shut-In 1148 Circ Sub N/C T-Pulled 3:00 PM
 (E) Second Initial Flow 57 Hourly Standby _____ T-Out 4:45 PM
 (F) Second Final Flow 77 Mileage 132 RT 184.80 Comments _____
 (G) Final Shut-In 1150 Sampler _____
 (H) Final Hydrostatic 1788 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 45 Extra Recorder _____ Sub Total Ø
 Initial Shut-In 45 Day Standby _____ Total 11034.80
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 11034.80

Approved By _____ Our Representative

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.



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 130333
Invoice Date: Feb 28, 2012
Page: 1

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

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

Federal Tax I.D.#: 20-8651475

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Bach	Gaffney Unit #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Russell	Feb 28, 2012	3/29/12

Quantity	Item	Description	Unit Price	Amount
170.00	MAT	Class A Common	16.25	2,762.50
3.00	MAT	Gel	21.25	63.75
6.00	MAT	Chloride	58.20	349.20
179.00	SER	Handling	2.25	402.75
100.00	SER	Mileage 179 sx @.11 per sk per mi	19.69	1,969.00
1.00	SER	Surface	1,125.00	1,125.00
100.00	SER	Pump Truck Mileage	7.00	700.00
100.00	SER	Light Vehicle Mileage	4.00	400.00
1.00	CEMENTER	Todd Milarch		
1.00	CEMENTER	Bobby Smith		
1.00	EQUIP OPER	Tony Pfannenstiel		
1.00	OPER ASSIST	Robert Yakubovich		

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

\$ 2385.14

ONLY IF PAID ON OR BEFORE
Mar 24, 2012

Subtotal	7,772.20
Sales Tax	215.93
Total Invoice Amount	7,988.13
Payment/Credit Applied	
TOTAL	7,988.13



PO Box 93999
Southlake, TX 76092

fd

INVOICE

Invoice Number: 130453
Invoice Date: Mar 5, 2012
Page: 1

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

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

Federal Tax I.D.#: 20-8651475

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Bach	<i>Gassney</i> Brand Unit #1 Unit #	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-03	Russell	Mar 5, 2012	4/4/12

Quantity	Item	Description	Unit Price	Amount
147.00	MAT	Class A Common	16.25	2,388.75
98.00	MAT	Pozmix	8.50	833.00
10.00	MAT	Gel	21.25	212.50
62.00	MAT	FloSeal	2.70	167.40
255.00	SER	Handling	2.25	573.75
105.00	SER	Mileage	28.05	2,945.25
1.00	SER	Rotary Plug	1,125.00	1,125.00
105.00	SER	Heavy Vehicle Mileage	7.00	735.00
105.00	SER	Light Vehicle Mileage	4.00	420.00
1.00	EQP	8 5/8 Wooden Plug	64.00	64.00
1.00	CEMENTER	Glenn Ginther		
1.00	EQUIP OPER	Woody O'Neil		
1.00	EQUIP OPER	Ron Bennett		

Subtotal	9,464.65
Sales Tax	643.60
Total Invoice Amount	10,108.25
Payment/Credit Applied	
TOTAL	10,108.25

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

\$ 3,183.00

ONLY IF PAID ON OR BEFORE
Mar 30, 2012

ALLIED CEMENTING CO., LLC. 034572

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell, Ks.

DATE <u>3-5-2012</u>	SEC. <u>4</u>	TWP. <u>2 S</u>	RANGE <u>19 W</u>	CALLED OUT	ON LOCATION	JOB START <u>4:00 AM</u>	JOB FINISH <u>4:30 PM</u>
LEASE BRANDS	WELL #	UNIT # <u>#1</u>	LOCATION <u>Speed Ks. N. TO Hwy 36</u>	COUNTY <u>Phillips</u>	STATE <u>KANSAS</u>		
OLD OR NEW (Circle one)	13 N 1/2 W 1/4 S INTO						

CONTRACTOR MURFIN DRG. Rig #16 OWNER _____

TYPE OF JOB Rotary Plug

HOLE SIZE 7 7/8 T.D. 3842'

CASING SIZE 8 5/8 Extreme DEPTH 720'

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 X-# DEPTH 3767

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

CEMENT AMOUNT ORDERED 245 60 4% GROL
V4 #10 Seal Per SX

COMMON	<u>147 SX</u>	@ <u>16.25</u>	<u>2388.75</u>
POZMIX	<u>98 SX</u>	@ <u>8.50</u>	<u>833.00</u>
GEL	<u>10 SX</u>	@ <u>21.25</u>	<u>212.50</u>
CHLORIDE		@	
ASC		@	
	<u>62 LBS F10 Seal</u>	@ <u>2.70</u>	<u>167.40</u>
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>255 TOTAL SX</u>	@ <u>2.25</u>	<u>573.75</u>
MILEAGE	<u>105 TON MILE</u>	@	<u>2945.25</u>
	<u>105 X 255 X .11</u>		<u>TOTAL 7120.65</u>

EQUIPMENT

PUMP TRUCK CEMENTER Gilroy

417 HELPER Woody

BULK TRUCK

481 DRIVER Ross

BULK TRUCK

_____ DRIVER _____

REMARKS:

25 SX @ 3767

25 SX @ 1800

100 SX @ 1290

40 SX @ 280

10 SX @ 40 + Wooden Plug

30 SX @ RAT Hole

15 SX @ MAKE Hole

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ 1125.00

EXTRA FOOTAGE @ _____

MILEAGE 105 HU MT @ 7.00 735.00

MANIFOLD @ _____

105 LV MT @ 4.00 420.00

CHARGE TO: Bach Oil Company

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL 2280.00

PLUG & FLOAT EQUIPMENT

8 7/8 WOODEN PLUG @ 64.00

@ _____

@ _____

@ _____

@ _____

TOTAL 64.00

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (if Any) 643.59

TOTAL CHARGES 9464.65

DISCOUNT 20/50 3123.00 IF PAID IN 30 DAYS

PRINTED NAME _____

SIGNATURE Ag. [Signature]

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
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

June 10, 2012

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

Re: ACO1
API 15-147-20661-00-00
Gaffney Unit 1
NW/4 Sec.26-01S-19W
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