



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1096917
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: _____



1096917

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No 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: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

BACH OIL PRODUCTION

WELL: KK Unit #1

LOC.: 1410' FSL & 2320' FEL
 SEC. 21-2-19W
 PHILLIPS COUNTY, KANSAS
 API: 15-147-20684-00-00

ELEVATION

KB: 2185
 GL: 2180
 LOG MEASURED
 FROM: KB

SURFACE CASING

20# 8 5/8 "
 Casing set @ 232
 w/170 SX

PRODUCTION CASING

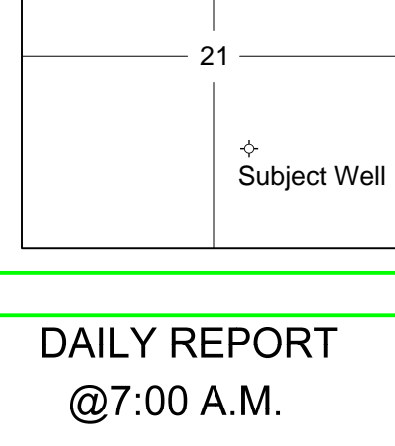
P&A

WELL LOG SURVEYS

DIL/CDL

ELECTRIC LOG TOPS

FORMATION	DEPTH	DATUM	POSITION
Top Stone Corral	1764	+421	+30
Base Stone Corral	1778	+407	+42
Topeka	3156	-971	+35
Heebner	3345	-1160	+38
Toronto	3375	-1190	+34
Lansing	3391	-1206	+32
Base Kansas City	3603	-1418	+37



REFERENCE WELL:

Morris Sitrin
 Kats #1
 D&A
 20-2-19W
 SE SE NW

REMARKS AND RECOMMENDATIONS

Due to negative drill stem tests this well was plugged and abandoned.

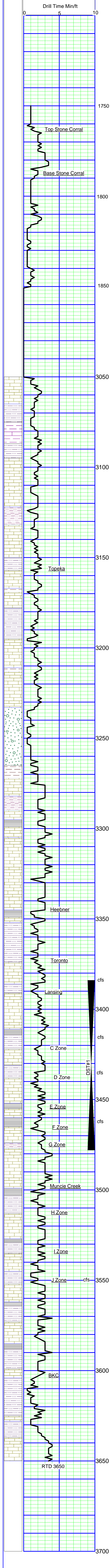
Respectfully submitted,

Robert J. Petersen
 Robert J. Petersen

DAILY REPORT

@7:00 A.M.

07-05-12 MIRU
 07-06-12 570'
 07-07-12 2380'
 07-08-12 3260'
 07-09-12 3478'
 07-10-12 3650'



SAMPLE DESCRIPTION

LS: Cream/gray, dense, foss, trace stain + SH; red/gray (3060-3070)

SH; Red/gray (3080)

LS: Cream/gray/tan, fine crystalline to dense, foss (3090)

SH; Red (3100)

LS: Tan/cream, fine crystalline, foss, chaly (3110)

SH; Dark gray, silty (3120)
 LS: Tan/cream, fine crystalline, foss, moldic por, trace stain (3120)
 LS: Tan/dark gray, dense, blocky (3130-40)
 LS: Dark gray, dense, cherty, mottled (3150)

LS: Cream/gray, dense, cherty(foss-sharp)(3160)

LS: Tan, fine crystalline, foss, cherty, trace stain (3170)

LS: Cream/lt gray, fine crystalline, sl foss, sl dolo, chalky + SH; Black (3180)

LS: Cream, fine crystalline, foss-granular, chalky trace dead stain (3190)

LS: Cream/lt gray, fine crystalline to dense, foss, cherty(foss-ang) +SH; Gray (3200)

SH; Gray + SS: Gray, fine grained, well-cem, ang + LS; Gray, fine crystalline, fossil mottled (3210)

LS: Cream, fine crystalline, foss, dolo, tr ppt por, chety (3220)

SH; Gray (3230)

LS: Cream, fine crystalline to dense, foss, chalky, cherty (3240)

trace moldic por, tr edge stain (3250)
 SH; Dark gray (3260)

SD; Gray, fine grained, friable (3260-3270)

SD; Red/gray, fine grained, friable (3280)
 SH; Red, silty (3290)

LS: Cream, fine crystalline to coarse crystalline (calcite) (3300)

SH; Black (trace 3310)
 LS: Cream/gray, fine crystalline, foss, chalky-cherty (3320)
 SH; Red/gray, silty, sandy (3320)
 LS: Gray, dense (3320)

LS: Cream/gray w/black mottled, fine crystalline, foss, cherty, trace stain (3330)

SH; Red/gray (3339) SHORT TRIP @3339'

LS: Cream/lt gray, dense, foss (3339/30')

LS: Lt gay, fine crystalline to dense, foss, sl dolo, trace stain + SH; gray (3350)

SH; Black (flood 3370)
 LS: Gray, dense (3370)

SH; Maroon/gray, silty-sandy (3380)

LS: Cream/lt gray, dense, sl foss (3380)

LS: Cream/white, fine crystalline to dense, foss, chalky, cherty, trace stain (3385/15')

SH; Red/gray, silty-sandy (3400)
 LS: Cream, fine crystalline, ool-granular w/fair intergran por, sfo, odor, light stain-sl grayish (3410)

LS: Cream, fine crystalline to dense, foss-subgranular, chalky (3420)

SH; Black (3430)
 SH; Red/gray, silty (3434)

LS: Cream, fine crystalline, foss, w/poor moldic por, cherty, ssfo, fair odor, med stain on dry (3434)
 LS: Cream, fine crystalline, foss, chalky (3440)

SH; Maroon/gray/green (3450)

LS: Cream, fine crystalline, foss, chalky, very cherty, trace moldic porm ssfo, faint odor (3458)

LS: Cream/white, fine crystalline, chalky, cherty (3458/45')

SH; Black (3470)
 SH; Red/gray, silty (3478)
 LS: Cream, fine crystalline, foss-granular in part, chalky, sfo, odor (3478)

LS: Cream, fine crystalline, foss, cherty, moldic por, sfo, odor (3478/15')

LS: Cream, fine crystalline, foss, sl chalky (3478/60')

SH; Gray/red (3490)

LS: Cream/white, fine crystalline, foss, gran, poor intergran por, vsfso, stain (3490)

LS: Cream, fine crystalline to dense, foss (3500)

LS: Cream/dark gray mottle, fine crystalline to dense, foss (3510)
 SH; Black (3510)

SH; Gray, soft, sandy + LS; Dark gray, dense (3520)

LS: Cream, white, fine crystalline, foss, chalky, cherty (3530)

LS: Gray, fine crystalline to dense, foss, chalky (3540)

SH; Black (3550)
 SH; Maroon/gray (3550)

LS: Cream, fine crystalline, foss, granular w/fair to good vug por, sfo, odor (3550/30')

LS: Cream/white, fine crystalline to dense, foss, w/fair moldic por, sfo, odor (3560)

SH; Red, silty (3560)

LS: Cream, dense w/trace foss, tr poor moldic por, ssfo (3570)

SH; Black (3580)
 SH; Maroon/gray (3590)

LS: White, fine crystalline, ool-granular, w/poor intergran por, ssfo, dark stain on dry (3590)

LS: White, fine crystalline, ool w/poor intergran por, ssfo (3600)
 SH; Black (3600)

SH; Red/gray, silty (3610)

LS: Gray, fine crystalline, foss, blocky (3620)
 LS: Cream, fine crystalline, foss (3630)
 SH; Red/gray, sandy (3630)

SD; Gray, fine grained silty (3640)

LS: Cream, fine crystalline, foss (3640)

SH; Red, silty-sandy (3650)

LS: Cream/white, fine crystalline, sandy-hard + LS; Gray, fine crystalline, dolo (3650)

DST#1
 3384-3478'
 30-45-30-60"
 IF: Blow built to BOB in 29 min.
 FF: Blow built to 9 3/4"
 No blowback
 Recovered:
 12' SOCCM
 188' WCM w/tr oil
 SIP: 1057-1053#
 FP: 21-70/72-110#



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 131807

Invoice Date: Jul 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	KK Unit #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Russell	Jul 5, 2012	8/4/12

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
14,320.00	SER	Drayage	0.11	1,575.20
1.00	SER	Surface	1,125.00	1,125.00
80.00	SER	Pump Truck Mileage	7.00	560.00
80.00	SER	Light Vehicle Mileage	4.00	320.00
1.00	CEMENTER	Todd Milarch		
1.00	EQUIP OPER	Tony Pfannenstiel		
1.00	EQUIP OPER	Robert Yakubovich		
1.00	OPER ASSIST	Kevin Rupp		

Subtotal	7,158.40
Sales Tax	215.93
Total Invoice Amount	7,374.33
Payment/Credit Applied	
TOTAL	7,374.33

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

\$ 2168.24

ONLY IF PAID ON OR BEFORE
Jul 30, 2012



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 131857
Invoice Date: Jul 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	KK Unit #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-03	Russell	Jul 10, 2012	8/9/12

Quantity	Item	Description	Unit Price	Amount
132.00	MAT	Class A Common	16.25	2,145.00
88.00	MAT	Pozmix	8.50	748.00
8.00	MAT	Gel	21.25	170.00
50.00	MAT	Flo Seal	2.70	135.00
230.00	SER	Handling	2.25	517.50
18,400.00	SER	Drayage	0.11	2,024.00
1.00	SER	Rotary Plug	1,250.00	1,250.00
80.00	SER	Pump Truck Mileage	7.00	560.00
80.00	SER	Light Vehicle Mileage	4.00	320.00
1.00	EQP	Top Wooden Plug	64.00	64.00
1.00	CEMENTER	Todd Milarch		
1.00	EQUIP OPER	Tony Pfannenstiel		
1.00	EQUIP OPER	Robert Yakubovich		

Subtotal	7,933.50
Sales Tax	539.48
Total Invoice Amount	8,472.98
Payment/Credit Applied	
TOTAL	8,472.98

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

\$ 2457.90

ONLY IF PAID ON OR BEFORE
Aug 4, 2012

ALLIED OIL & GAS SERVICES, LLC 056166

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Russell

DATE <u>7-10-12</u>	SEC <u>21</u>	TWP <u>23</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>2:00</u>	JOB FINISH <u>3:00</u>
LEASE <u>KK</u>	WELL # <u>W-1</u>	LOCATION <u>SP22 N. 30 J6 ON ROAD</u>			COUNTY <u>PHILLIPS</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)				<u>2 W North</u>	<u>2.03</u>	<u>6.8</u>	

CONTRACTOR mycflin 16

TYPE OF JOB R-Adv

HOLE SIZE 7 7/8 TD

CASING SIZE DEPTH 1770

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER

CEMENT AMOUNT ORDERED 2210x 60/40
47.6x 4 flow

EQUIPMENT

PUMP TRUCK CEMENTER John

110A HELPER Tony

BULK TRUCK DRIVER Robert Y.

27B

BULK TRUCK DRIVER

COMMON	<u>132</u>	@ <u>16.25</u>	<u>2145.00</u>
POZMIX	<u>BB</u>	@ <u>8.00</u>	<u>748.00</u>
GEL	<u>B</u>	@ <u>21.25</u>	<u>170.00</u>
CHLORIDE		@	
ASC	<u>2</u>	@ <u>50.00</u>	<u>100.00</u>
		@ <u>2.70</u>	<u>135.00</u>
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>2.00</u>	@ <u>2.25</u>	<u>4.50</u>
MILEAGE	<u>18,400</u>	@ <u>.11</u>	<u>2024.00</u>
TOTAL			<u>517.50</u>

REMARKS:
Loaded hole at 1770 mixed 25 ox
Disbanded with mva, 22 loaded hole at
1180 mixed 100 ox Disbanded with Adv
25 loaded hole mixed 40 ox. Pfl installed
wooden plug mixed cement to surface
30 min later, 15 ox more

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE 1200

EXTRA FOOTAGE @

MILEAGE MILV 80 @ 7.00 560.00

MANIFOLD MILV 80 @ 4.00 320.00

CHARGE TO: Barth Oil

STREET

CITY STATE ZIP

TOTAL 2100.00

PLUG & FLOAT EQUIPMENT

400 wooden plug @ 64.00

TOTAL 64.00

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cement 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.

PRINTED NAME

SIGNATURE Ag. [Signature]

SALES TAX (if Any) 539.48

TOTAL CHARGES 7,643.50

DISCOUNT 20/50 2450.90 2457.90

IF PAID IN 30 DAYS BS 7-12

yet 5247.60 before tax 5475.60



DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

KK Unit #1

21-2s-19w Phillips,KS

Start Date: 2012.07.08 @ 23:13:00

End Date: 2012.07.09 @ 05:46:00

Job Ticket #: 48124 DST #: 1

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

Printed: 2012.07.19 @ 13:36:58



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bach Oil Production

21-2s-19w Phillips,KS

PO Box 723
Alma, NE 68920

KK Unit #1

Job Ticket: 48124

DST#: 1

ATTN: Bob Peterson

Test Start: 2012.07.08 @ 23:13:00

GENERAL INFORMATION:

Formation: **LKC "A - F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:14:00

Time Test Ended: 05:46:00

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 57

Interval: 3384.00 ft (KB) To 3478.00 ft (KB) (TVD)

Reference Elevations: 2185.00 ft (KB)

Total Depth: 3478.00 ft (KB) (TVD)

2180.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6719

Inside

Press @ Run Depth: 110.16 psig @ 3385.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.08

End Date:

2012.07.09

Last Calib.:

2012.07.09

Start Time: 23:13:05

End Time:

05:45:59

Time On Btm:

2012.07.09 @ 01:13:30

Time Off Btm:

2012.07.09 @ 04:01:30

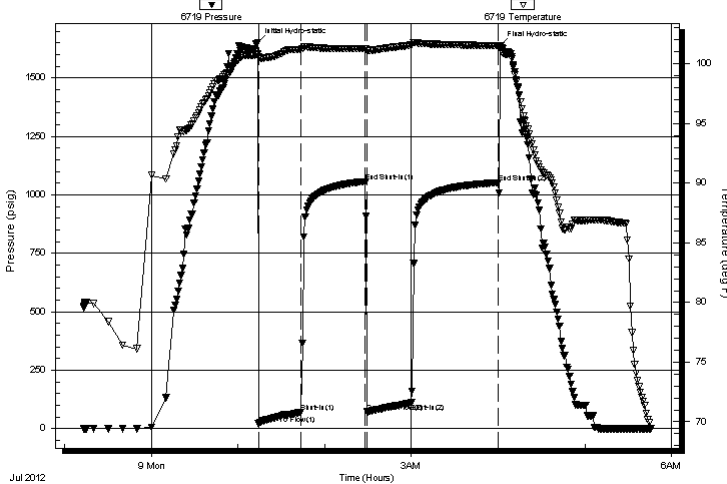
TEST COMMENT: 30 - IF: 1/2" Blow at open, built to BOB (11") at 29 min.

45 - IS: Bled off, No blow back

30 - FF: Blow built to 9 3/4"

60 - FS: Bled off, No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1651.62	100.80	Initial Hydro-static
1	20.84	100.56	Open To Flow (1)
30	70.25	101.21	Shut-In(1)
75	1056.94	101.28	End Shut-In(1)
76	72.49	101.07	Open To Flow (2)
107	110.16	101.56	Shut-In(2)
167	1052.51	101.52	End Shut-In(2)
168	1636.09	101.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
188.00	WCM w/trace of Oil 75%w, 25%w	2.37
12.00	SO/WCM 75%w, 23%w, 2%o	0.17

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

21-2s-19w Phillips,KS

PO Box 723
Alma, NE 68920

KK Unit #1

Job Ticket: 48124

DST#: 1

ATTN: Bob Peterson

Test Start: 2012.07.08 @ 23:13:00

Tool Information

Drill Pipe:	Length: 3362.00 ft	Diameter: 3.80 inches	Volume: 47.16 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: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 47.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	35.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3384.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	94.00 ft			
Tool Length:	122.00 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			3361.00	
Hydraulic tool	5.00			3366.00	
Jars	5.00			3371.00	
Safety Joint	3.00			3374.00	
Packer	5.00			3379.00	28.00 Bottom Of Top Packer
Packer	5.00			3384.00	
Stubb	1.00			3385.00	
Recorder	0.00	6719	Inside	3385.00	
Recorder	0.00	8671	Outside	3385.00	
Perforations	22.00			3407.00	
Blank Spacing	65.00			3472.00	
Perforations	3.00			3475.00	
Bullnose	3.00			3478.00	94.00 Bottom Packers & Anchor

Total Tool Length: 122.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

21-2s-19w Phillips,KS

PO Box 723
Alma, NE 68920

KK Unit #1

Job Ticket: 48124

DST#: 1

ATTN: Bob Peterson

Test Start: 2012.07.08 @ 23:13:00

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:

30000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
188.00	WCM w/trace of Oil 75% _m , 25% _w	2.373
12.00	SO/WCM 75% _m , 23% _w , 2% _o	0.168

Total Length: 200.00 ft Total Volume: 2.541 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

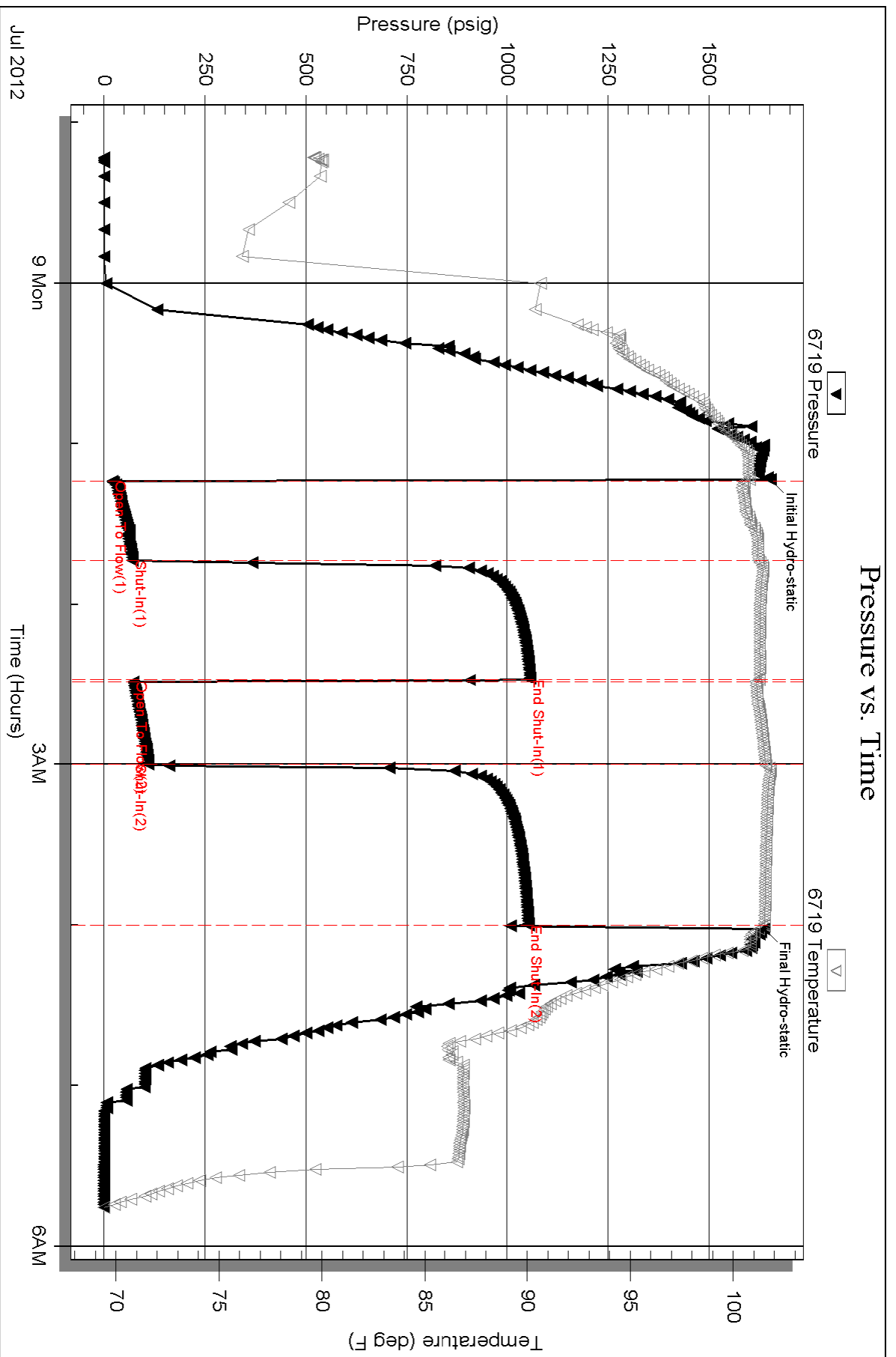
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .237 ohms @ 70.2 deg F

Chlorides = 30,000 ppm



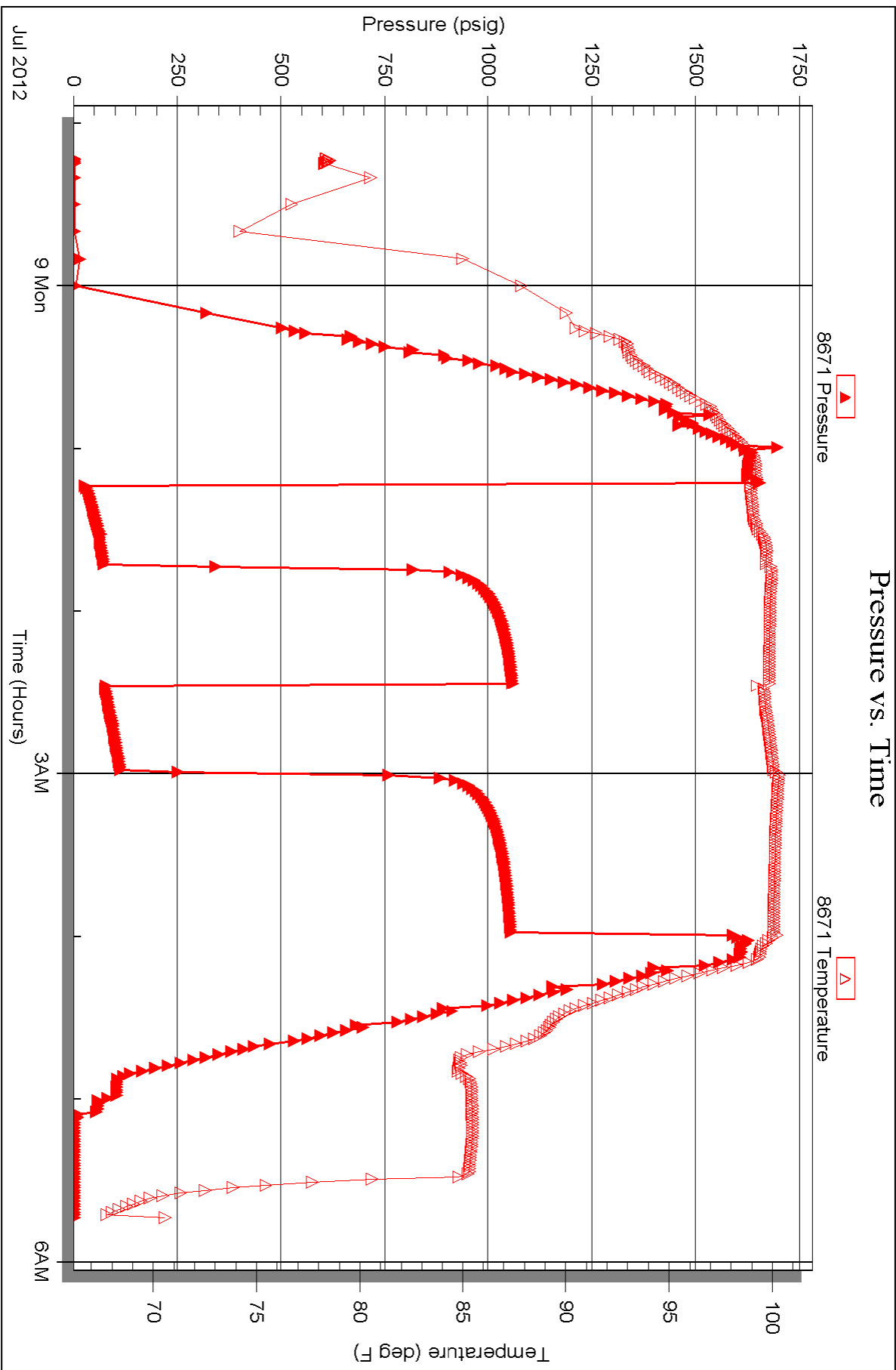
Serial #: 8671

Outside

Bach Oil Production

KK Unit #1

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48124

Well Name & No. KK Unit #1 Test No. 1 Date 7-8-12
 Company Bach Oil Production Elevation 2185 KB 2180 GL
 Address PO Box 723 Alma, NE 68920
 Co. Rep / Geo. Bob Peterson Rig Murfin #16
 Location: Sec. 21 Twp. 2S Rge. 19W Co. Phillips State KS

Interval Tested 3384-3478 Zone Tested LKC* A-F"
 Anchor Length 94 Drill Pipe Run 3362 Mud Wt. 8.8
 Top Packer Depth 3379 Drill Collars Run 29 Vis 50
 Bottom Packer Depth 3384 Wt. Pipe Run - WL 8.0
 Total Depth 3478 Chlorides 500 ppm System LCM 3
 Blow Description IF: Blow built to BOB (11") at 29 min. (1/2" blow at open)
ISI: Bled off, No blowback
FF: Blow built to 9 3/4"
FSI: Bled off, No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>12</u>	<u>50/wcm</u>	<u>-</u>	<u>2</u>	<u>23</u>	<u>75</u>
<u>188</u>	<u>wcm w/trace of oil</u>	<u>-</u>	<u>trace</u>	<u>25</u>	<u>75</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 200 BHT 102 Gravity - API RW -237 @ 70.2 °F Chlorides 30,000 ppm

(A) Initial Hydrostatic <u>1652</u>	<input type="checkbox"/> Test <u>*</u> 1150	T-On Location <u>22:30</u>
(B) First Initial Flow <u>21</u>	<input type="checkbox"/> Jars <u>*</u> 250	T-Started <u>23:13</u>
(C) First Final Flow <u>70</u>	<input type="checkbox"/> Safety Joint <u>*</u> 75	T-Open <u>1:14</u>
(D) Initial Shut-In <u>1057</u>	<input checked="" type="checkbox"/> Circ Sub <u>*NA</u>	T-Pulled <u>4:00</u>
(E) Second Initial Flow <u>72</u>	<input checked="" type="checkbox"/> Hourly Standby	T-Out <u>5:40</u>
(F) Second Final Flow <u>110</u>	<input type="checkbox"/> Mileage <u>134RT</u> 207.7	Comments
(G) Final Shut-In <u>1053</u>	<input checked="" type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1639</u>	<input checked="" type="checkbox"/> Straddle	<input checked="" type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer	<input checked="" type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input checked="" type="checkbox"/> Extra Packer	<input checked="" type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input checked="" type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input checked="" type="checkbox"/> Day Standby	Total <u>1682.70</u>
	<input checked="" type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1682.70</u>	

Approved By _____ Our Representative James Winder

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.

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

October 15, 2012

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

Re: ACO1
API 15-147-20684-00-00
KK Unit 1
SE/4 Sec.21-02S-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