



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1238030
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: _____

1238030

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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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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Form	ACO1 - Well Completion
Operator	Bach, Jason dba Bach Oil Production
Well Name	Cox 1
Doc ID	1238030

Tops

Name	Top	Datum
Stone Corral	1669	+344
Base Stone Corral	1692	+321
Topeka	3025	-1012
Heebner	3224	-1211
Toronto	3252	-1239
Lansing	3269	-1256
Muncie	3383	-1370
Stark	3448	-1435
RTD	3450	-1437



DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723
Alma NE 66920

ATTN: Bob Petersen

Cox #1

3-1s-19w Phillips,KS

Start Date: 2014.09.20 @ 06:50:00

End Date: 2014.09.20 @ 13:33:00

Job Ticket #: 60162 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.09.22 @ 16:44:40



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bach Oil Production

3-1s-19w Phillips,KS

PO Box 723
Alma NE 66920

Cox #1

Job Ticket: 60162

DST#: 1

ATTN: Bob Petersen

Test Start: 2014.09.20 @ 06:50:00

GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:37:30

Time Test Ended: 13:33:00

Test Type: Conventional Straddle (Initial)

Tester: Robert Zodrow

Unit No: 49

Interval: 3288.00 ft (KB) To 3321.00 ft (KB) (TVD)

Reference Elevations: 2013.00 ft (KB)

Total Depth: 3451.00 ft (KB) (TVD)

2008.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6769 Outside

Press@RunDepth: 75.22 psig @ 3289.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.20

End Date:

2014.09.20

Last Calib.:

2014.09.20

Start Time: 06:50:05

End Time:

13:32:59

Time On Btm:

2014.09.20 @ 08:36:30

Time Off Btm:

2014.09.20 @ 11:55:30

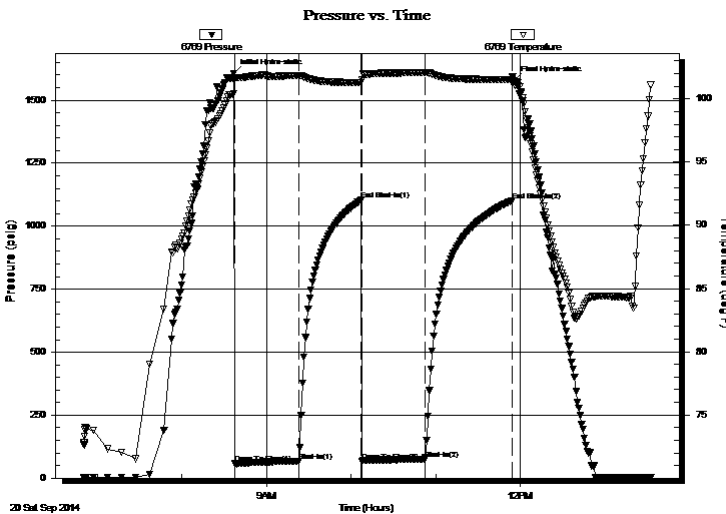
TEST COMMENT: 45-IF- Blow built to 4" died back to 3 1/2"

45-ISI- No return

45-FF- No blow

60-FSI- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1606.77	100.45	Initial Hydro-static
1	57.03	101.60	Open To Flow (1)
46	67.89	101.86	Shut-In(1)
91	1103.77	101.31	End Shut-In(1)
91	67.14	101.51	Open To Flow (2)
136	75.22	102.08	Shut-In(2)
198	1101.08	101.53	End Shut-In(2)
199	1576.72	101.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
118.00	g oil spotted mud 5%g 95%m	0.58

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bach Oil Production

3-1s-19w Phillips,KS

PO Box 723
Alma NE 66920

Cox #1

Job Ticket: 60162

DST#: 1

ATTN: Bob Petersen

Test Start: 2014.09.20 @ 06:50:00

GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:37:30

Time Test Ended: 13:33:00

Interval: 3288.00 ft (KB) To 3321.00 ft (KB) (TVD)

Total Depth: 3451.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Straddle (Initial)

Tester: Robert Zodrow

Unit No: 49

Reference Elevations: 2013.00 ft (KB)

2008.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8521 Inside

Press@RunDepth: psig @ 3289.00 ft (KB)

Start Date: 2014.09.20

End Date: 2014.09.20

Start Time: 06:50:05

End Time: 13:31:59

Capacity: 8000.00 psig

Last Calib.: 2014.09.20

Time On Btm:

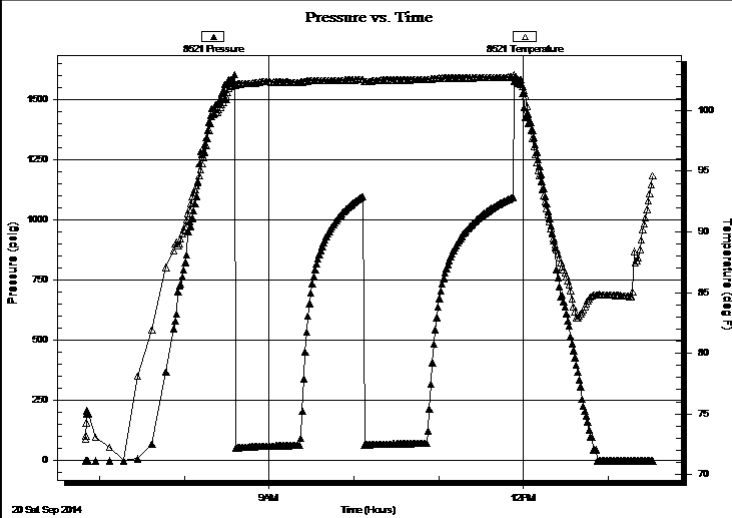
Time Off Btm:

TEST COMMENT: 45-IF- Blow built to 4" died back to 3 1/2"

45-ISI- No return

45-FF- No blow

60-FSI- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
118.00	g oil spotted mud 5%g 95%m	0.58

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Bach Oil Production

3-1s-19w Phillips, KS

PO Box 723
Alma NE 66920

Cox #1

Job Ticket: 60162

DST#: 1

ATTN: Bob Petersen

Test Start: 2014.09.20 @ 06:50:00

GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:37:30

Time Test Ended: 13:33:00

Test Type: Conventional Straddle (Initial)

Tester: Robert Zodrow

Unit No: 49

Interval: **3288.00 ft (KB) To 3321.00 ft (KB) (TVD)**

Reference Elevations: 2013.00 ft (KB)

Total Depth: 3451.00 ft (KB) (TVD)

2008.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8959 Below (Straddle)

Press@RunDepth: psig @ 3326.00 ft (KB)

Start Date: 2014.09.20

End Date: 2014.09.20

Start Time: 06:50:05

End Time: 13:33:59

Capacity: 8000.00 psig

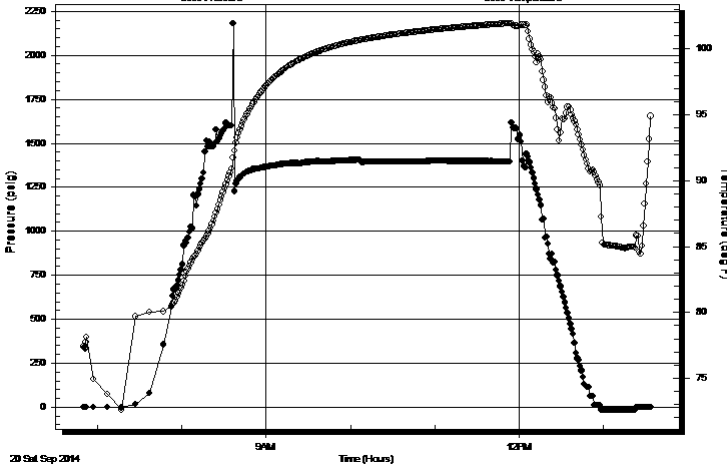
Last Calib.: 2014.09.20

Time On Btm:

Time Off Btm:

TEST COMMENT: 45-IF- Blow built to 4" died back to 3 1/2"
45-IS- No return
45-FF- No blow
60-FS- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
118.00	g oil spotted mud 5%g 95%m	0.58

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

3-1s-19w Phillips,KS

PO Box 723
Alma NE 66920

Cox #1

Job Ticket: 60162

DST#: 1

ATTN: Bob Petersen

Test Start: 2014.09.20 @ 06:50:00

Tool Information

Drill Pipe:	Length: 3148.00 ft	Diameter: 3.88 inches	Volume: 46.04 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: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 46.62 bbl</u>	Tool Chased 6.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3288.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	3321.00 ft			
Interval between Packers:	33.00 ft			
Tool Length:	195.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments: Chased tool 6 foot took on mud

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3265.00	
Hydraulic tool	5.00			3270.00	
Jars	5.00			3275.00	
Safety Joint	3.00			3278.00	
Packer	5.00			3283.00	28.00 Bottom Of Top Packer
Packer	5.00			3288.00	
Stubb	1.00			3289.00	
Recorder	0.00	8521	Inside	3289.00	
Recorder	0.00	6769	Outside	3289.00	
Perforations	27.00			3316.00	
Blank Off Sub	5.00			3321.00	33.00 Tool Interval
Packer	4.00			3325.00	
Stubb	1.00			3326.00	
Recorder	0.00	8959	Below	3326.00	
Change Over Sub	1.00			3327.00	
Drill Pipe	124.00			3451.00	
Change Over Sub	1.00			3452.00	
Bullnose	3.00			3455.00	134.00 Bottom Packers & Anchor

Total Tool Length: 195.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

3-1s-19w Phillips,KS

PO Box 723
Alma NE 66920

Cox #1

Job Ticket: 60162

DST#: 1

ATTN: Bob Petersen

Test Start: 2014.09.20 @ 06:50:00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 4.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
118.00	g oil spotted mud 5%g 95%m	0.580

Total Length: 118.00 ft Total Volume: 0.580 bbl

Num Fluid Samples: 0

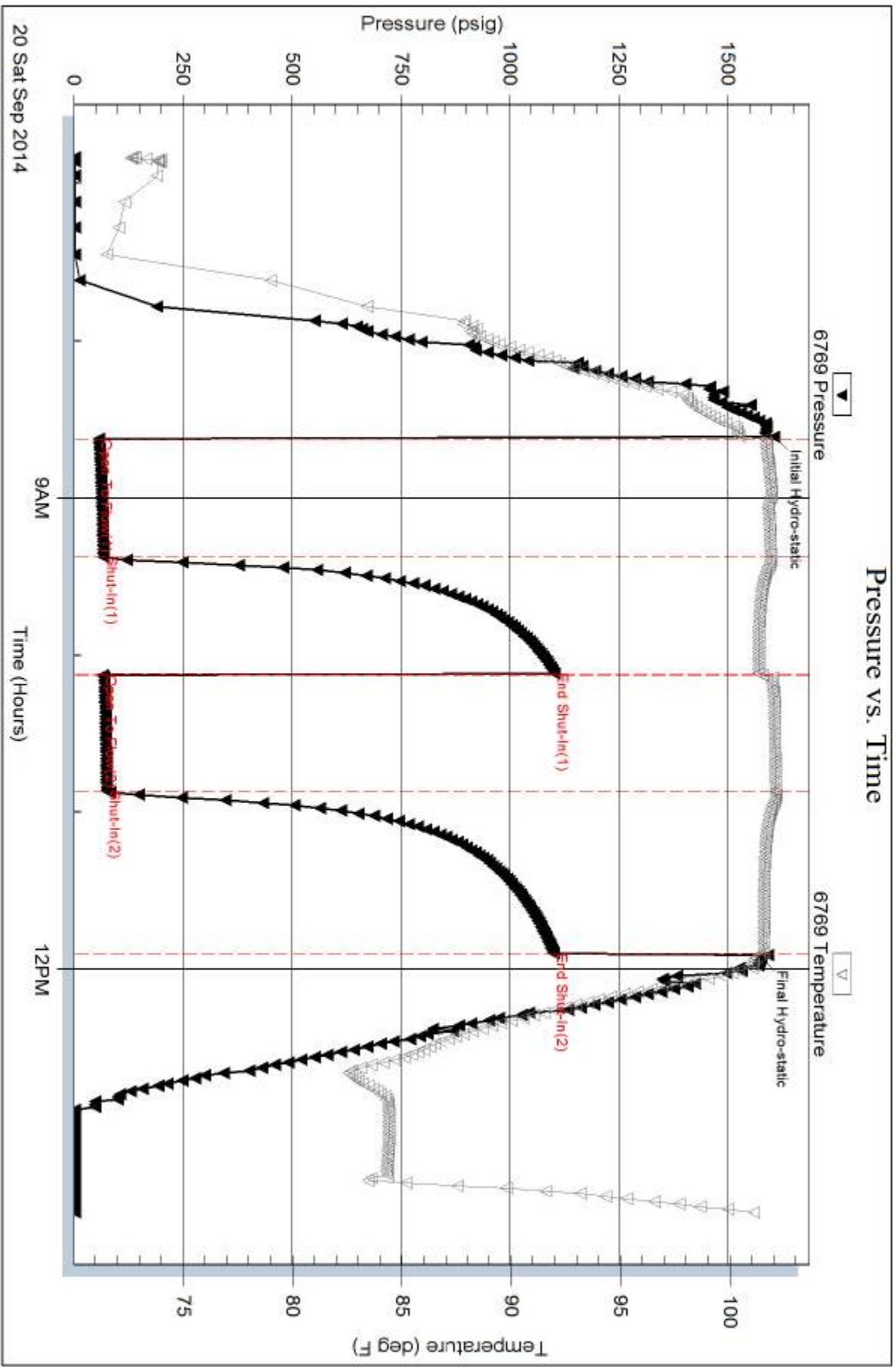
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



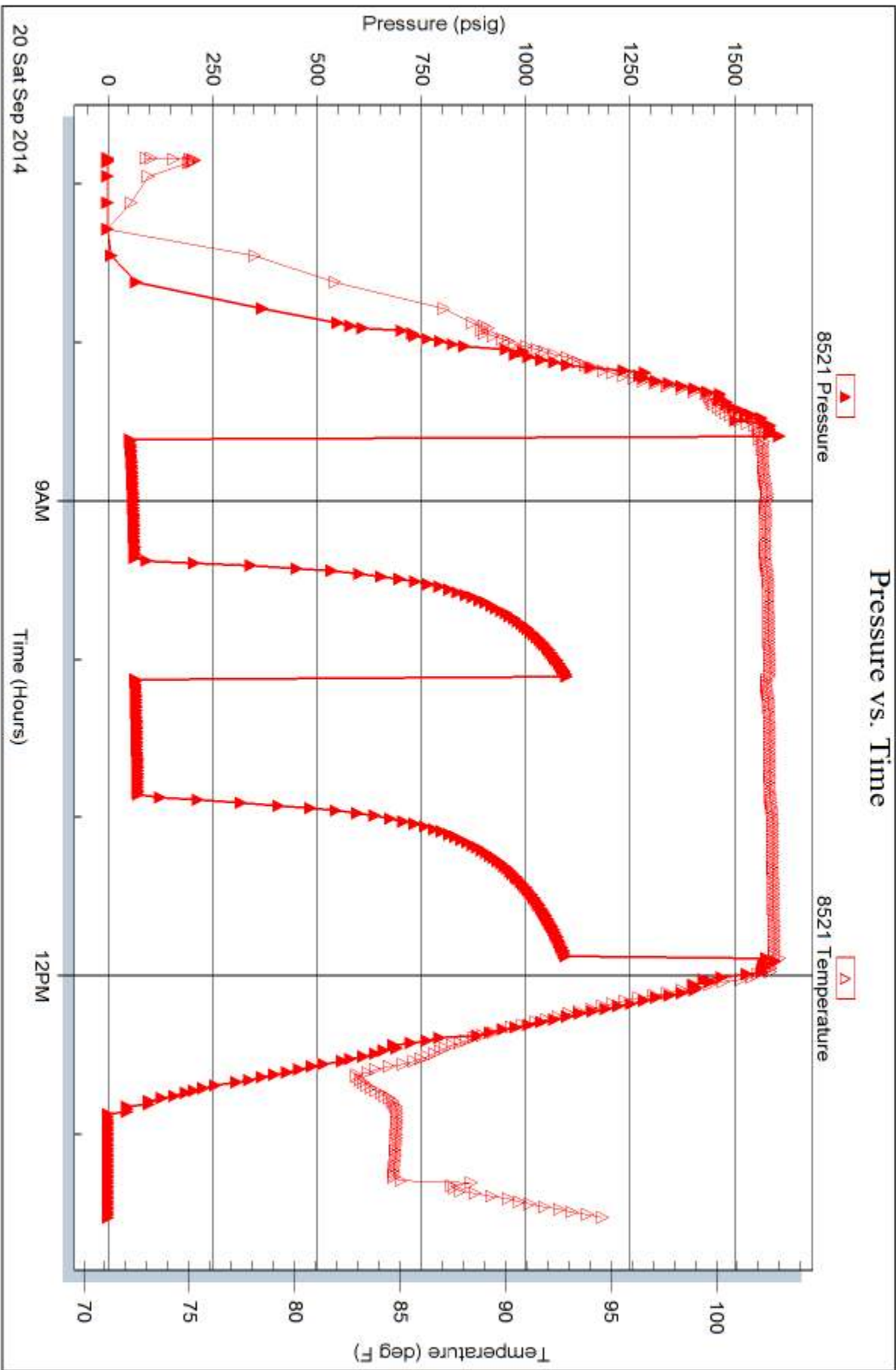
Serial #: 8521

Inside

Back Oil Production

Cox #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 60162

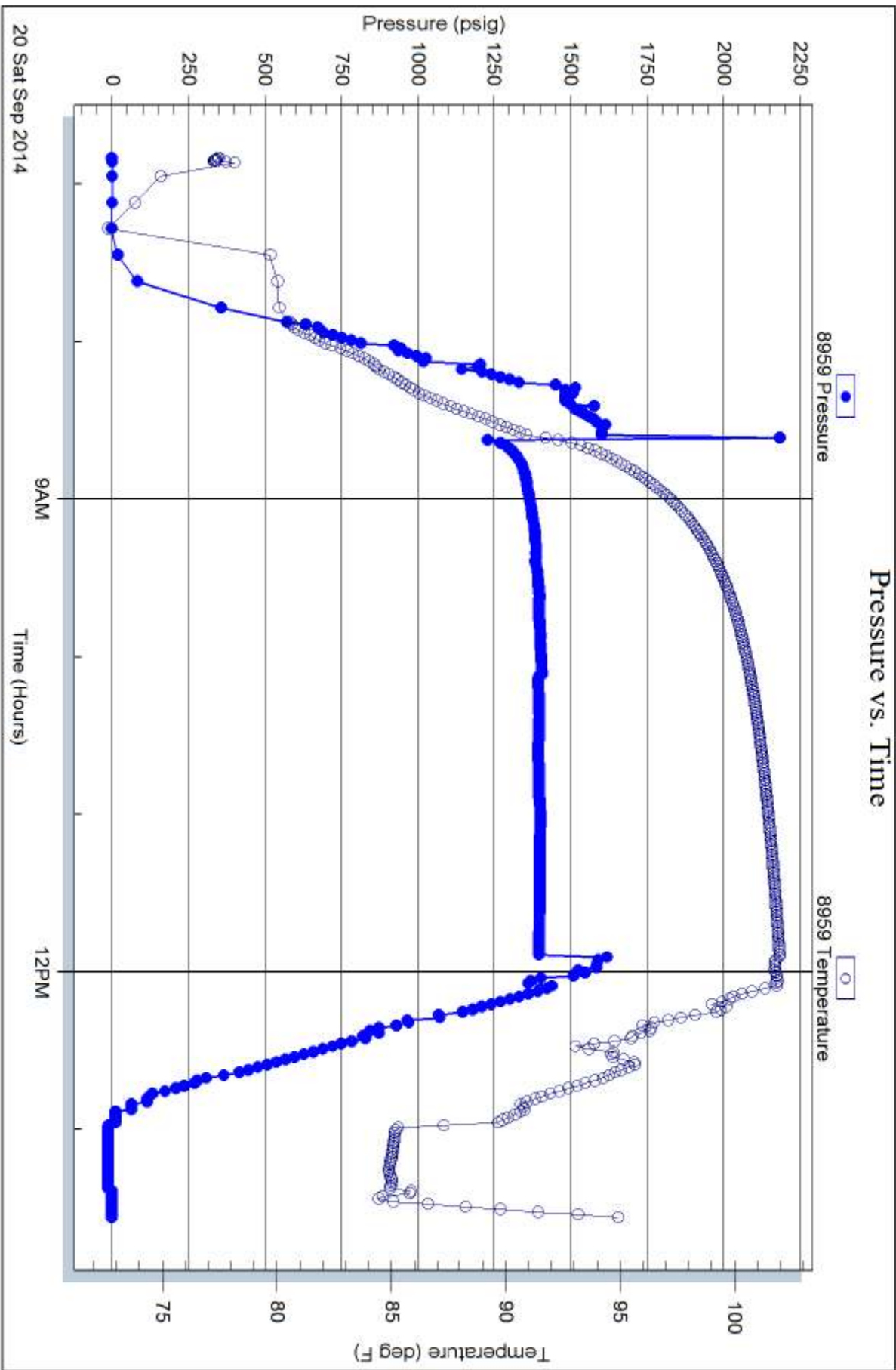
Printed: 2014.09.22 @ 16:44:41

Serial #: 8959

Below (Stratfield) Oil Production

Cox #1

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60162

Well Name & No. COX 1 Test No. 1 Date 9-20-2014
 Company Bach Jason dba Bach oil Prod. Elevation 2013 KB 2008 GL
 Address PO BOX 723
 Co. Rep / Geo. Bob Petersen Rig marfin 24
 Location: Sec. 3 Twp. 1 Rge. 19 Co. Phillips State KS

Interval Tested 3288-3321 Zone Tested LKC "C"
 Anchor Length 33 Drill Pipe Run 3148 Mud Wt. 8.8
 Top Packer Depth 3283-3288 Drill Collars Run 118 Vis 50
 Bottom Packer Depth 3321 Wt. Pipe Run 0 WL 4.8
 Total Depth 3451 Chlorides 400 ppm System LCM 2.5
 Blow Description IF - Blow built to 4" died back to 3 1/2
ISI - NO return
FF - NO blow
FSL - NO return

Rec	Feet of	%gas	%oil	%water	%mud
<u>118</u>	<u>9 spot oil spotted mud</u>	<u>5</u>	<u>spotted</u>	<u>95</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 118 BHT 101 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1607 Test 1150 T-On Location 05:30 9-20
 (B) First Initial Flow 57 Jars 250 T-Started 06:50 9-20
 (C) First Final Flow 68 Safety Joint 75 T-Open 08:37 9-20
 (D) Initial Shut-In _____ Circ Sub _____ T-Pulled 11:54 9-20
 (E) Second Initial Flow 67 Hourly Standby _____ T-Out 13:33 9-20
 (F) Second Final Flow 75 Mileage 126 RT 195.30 Comments Chased tool
 (G) Final Shut-In _____ Sampler _____ 6 foot took on mud
 (H) Final Hydrostatic 1576 Straddle 600 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 45 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 2270.30
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 2270.30

Approved By [Signature] Our Representative Robert Zedler
 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.

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

BACH OIL PRODUCTION WELL: COX #1

LOC.: T1S R19W, Sec. 3
SW NE SE NE
3362 North, 360 West,
from SE corner
PHILLIPS COUNTY, KANSAS
API: 15-147-20746-00-00

DRILLING CONTR.: MURFIN RIG #24
SPUD: 09-16-14 COMP: 09-20-14
MUD UP: 2800' TYPE MUD: CHEM.
DRILL TIME: 2900 to' RTD
RTD: 3451' LTD: 3438'
SAMPLES SAVED: 2900'-RTD
GEOLOGIST: ROBERT J. PETERSEN

ELEVATION

KB: 2013
GL: 2008
LOG MEASURED FROM: KB

SURFACE CASING

8 5/8" Set @ 220'
W/175 SX 3% CC 2%gel

PRODUCTION CASING

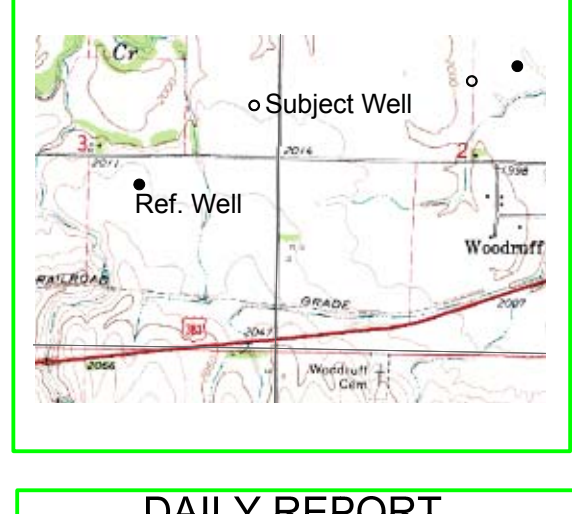
5 1/2" Set @3430'

WELL LOG SURVEYS

RAG

ELECTRIC LOG TOPS

FORMATION	DEPTH	DATUM	POS.
Stone Corral	1669	+344	-4
Base Stone Corral	1692	+321	+3
Topeka	3025	-1012	+8
Heebner	3224	-1211	+9
Toronto	3252	-1239	+11
Lansing	3269	-1256	+11
Muncie	3383	-1370	+8
Stark (from dt)	3448	-1435	+9
RTD	3450	-1437	-



REFERENCE WELL:

Bach Oil Production
Tubbs #1
T1S R19W, Sec. 3
SW NE NW SE
2250 North, 1920 West, from SE corner

REMARKS AND RECOMMENDATIONS

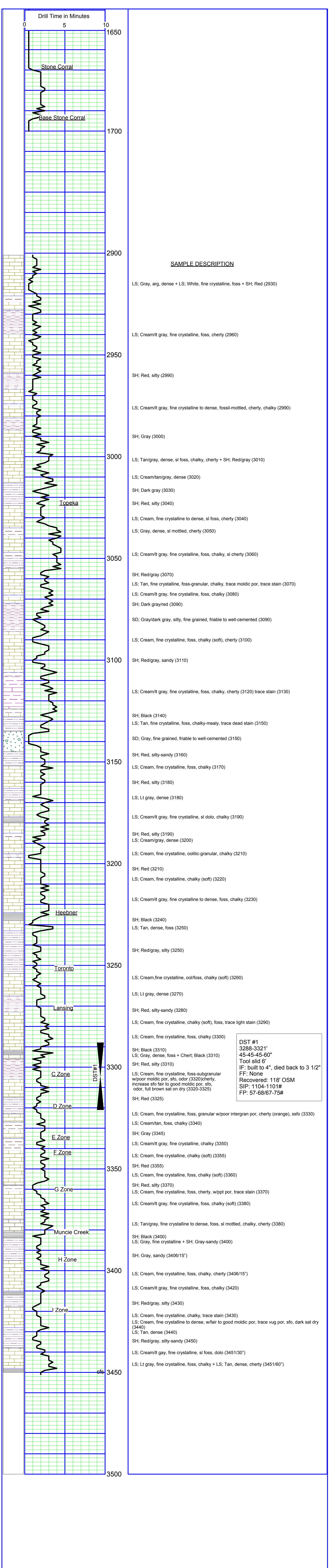
Production casing was run to further test this well.

Respectfully submitted,

Robert J. Petersen

DAILY REPORT @7:00 A.M.

09-16-14 MIRU/SPUD
09-17-14 430'
09-18-14 2220'
09-19-14 3170'
09-20-14 3451'



SAMPLE DESCRIPTION

LS; Gray, arg, dense + LS; White, fine crystalline, foss + SH; Red (2930)

LS; Cream/lt gray, fine crystalline, foss, cherty (2960)

SH; Red, silty (2990)

LS; Cream/lt gray, fine crystalline to dense, fossil-mottled, cherty, chalky (2990)

SH; Gray (3000)

LS; Tan/gray, dense, sl foss, chalky, cherty + SH; Red/gray (3010)

LS; Cream/tan/gray, dense (3020)

SH; Dark gray (3030)

SH; Red, silty (3040)

LS; Cream, fine crystalline to dense, sl foss, cherty (3040)

LS; Gray, dense, sl mottled, cherty (3050)

LS; Cream/lt gray, fine crystalline, foss, chalky, sl cherty (3060)

SH; Red/gray (3070)

LS; Tan, fine crystalline, foss-granular, chalky, trace moldic por, trace stain (3070)

LS; Cream/lt gray, fine crystalline, foss, chalky (3080)

SH; Dark gray/red (3090)

SD; Gray/dark gray, silty, fine grained, friable to well-cemented (3090)

LS; Cream, fine crystalline, foss, chalky (soft), cherty (3100)

SH; Red/gray, sandy (3110)

LS; Cream/lt gray, fine crystalline, foss, chalky, cherty (3120) trace stain (3130)

SH; Black (3140)

LS; Tan, fine crystalline, foss, chalky-mealy, trace dead stain (3150)

SD; Gray, fine grained, friable to well-cemented (3150)

SH; Red, silty-sandy (3160)

LS; Cream, fine crystalline, foss, chalky (3170)

SH; Red, silty (3180)

LS; Lt gray, dense (3180)

LS; Cream/lt gray, fine crystalline, sl dolo, chalky (3190)

SH; Red (3190)

LS; Cream/gray, dense (3200)

LS; Cream, fine crystalline, oolitic-granular, chalky (3210)

SH; Red (3210)

LS; Cream, fine crystalline, chalky (soft) (3220)

LS; Cream/lt gray, fine crystalline to dense, foss, chalky (3230)

SH; Black (3240)

LS; Tan, dense, foss (3250)

SH; Red/gray, silty (3250)

LS; Cream, fine crystalline, ool/foss, chalky (soft) (3260)

LS; Lt gray, dense (3270)

SH; Red, silty-sandy (3280)

LS; Cream, fine crystalline, chalky (soft), foss, trace light stain (3290)

LS; Cream, fine crystalline, foss, chalky (3300)

SH; Black (3310)

LS; Gray, dense, foss + Chert; Black (3310)

SH; Red, silty (3310)

LS; Cream, fine crystalline, foss-subgranular w/poor moldic por, sfo, odor (3320)cherty, increase sfo fair to good moldic por, sfo, odor, full brown sat on dry (3320-3325)

SH; Red (3325)

LS; Cream, fine crystalline, foss, granular w/poor intergran por, cherty (orange), sfo (3330)

LS; Cream/tan, foss, chalky (3340)

SH; Gray (3345)

LS; Cream/lt gray, fine crystalline, chalky (3350)

LS; Cream, fine crystalline, chalky (soft) (3355)

SH; Red (3355)

LS; Cream, fine crystalline, foss, chalky (soft) (3360)

SH; Red, silty (3370)

LS; Cream, fine crystalline, foss, cherty, w/ppt por, trace stain (3370)

LS; Cream/lt gray, fine crystalline, foss, chalky (soft) (3380)

LS; Tan/gray, fine crystalline to dense, foss, sl mottled, chalky, cherty (3380)

SH; Black (3400)

LS; Gray, fine crystalline + SH; Gray-sandy (3400)

SH; Gray, sandy (3406/15")

LS; Cream, fine crystalline, foss, chalky, cherty (3406/15")

LS; Cream/lt gray, fine crystalline, foss, chalky (3420)

SH; Red/gray, silty (3430)

LS; Cream, fine crystalline, chalky, trace stain (3430)

LS; Cream, fine crystalline to dense, w/fair to good moldic por, trace vug por, sfo, dark sat dry (3440)

LS; Tan, dense (3440)

SH; Red/gray, silty-sandy (3450)

LS; Cream/lt gay, fine crystalline, sl foss, dolo (3451/30")

LS; Lt gray, fine crystalline, foss, chalky + LS; Tan, dense, cherty (3451/60")

DST #1
3288-3321'
45-45-60"
Tool slid 6'
IF: built to 4", died back to 3 1/2"
FF: None
Recovered: 118' OSM
SIP: 1104-1101#
FP: 57-68/67-75#



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 145774
Invoice Date: Sep 16, 2014
Page: 1

Bill To:
Bach Oil Production 82 W. 500 Ln. Phillipsburg, KS 67661

Customer ID	Field Ticket #	Payment Terms	
Bach	55322	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Russell	Sep 16, 2014	10/16/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Cox #1		
175.00	CEMENT MATERIALS	Class A Common	17.90	3,132.50
330.00	CEMENT MATERIALS	Gel	0.50	165.00
495.00	CEMENT MATERIALS	Chloride	1.10	544.50
175.00	CEMENT SERVICE	Cubic Feet Charge	2.48	434.00
412.50	CEMENT SERVICE	Ton Mileage Charge	2.75	1,134.38
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
50.00	CEMENT SERVICE	Pump Truck Mileage	7.70	385.00
1.00	CEMENT SUPERVISOR	Robert Yakubovich		
1.00	EQUIPMENT OPERATOR	Nathan Donner		
1.00	OPERATOR ASSISTANT	Jonathan Price		

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

\$ 1,881.91

ONLY IF PAID ON OR BEFORE

Oct 16, 2014

Subtotal	7,527.63
Sales Tax	255.49
Total Invoice Amount	7,783.12
Payment/Credit Applied	
TOTAL	7,783.12

ALLIED OIL & GAS SERVICES, LLC 05 22

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Russell KS

DATE <u>9-16-14</u>	SEC. <u>3</u>	TWP. <u>1</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>7:30 PM</u>	JOB FINISH <u>8:00 PM</u>
LEASE <u>Cox</u>	WELL# <u>1</u>	LOCATION <u>Phillipsberg 22 N 6 W</u>			COUNTY <u>Phillips</u>	STATE <u>KS</u>	
OLD OR (NEW) (Circle one)		<u>3rd W into</u>					

CONTRACTOR <u>Martin 24</u>	OWNER
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>22.3</u>
CASING SIZE <u>8 7/8 23'</u>	DEPTH <u>22.3</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>15</u>
CEMENT LEFT IN CSG.	<u>15</u>
PERFS.	
DISPLACEMENT <u>13 bbl</u>	

EQUIPMENT

PUMP TRUCK CEMENTER <u>Robert Y</u>	
# <u>409</u> HELPER <u>Nathan D</u>	
BULK TRUCK	
# <u>481</u> DRIVER <u>Jan P</u>	
BULK TRUCK	
#	DRIVER

REMARKS:

See log

Cement did circulate to pit (12 sks)
Thank you!!

CHARGE TO: Back Oil
STREET _____
CITY _____ STATE _____ ZIP _____

CEMENT	AMOUNT ORDERED	<u>175 can 39 acc 2 bag 1</u>
COMMON	<u>175</u>	@ <u>17.90 3132.50</u>
POZMIX		@ _____
GEL	<u>330</u>	@ <u>0.50 165.00</u>
CHLORIDE	<u>495</u>	@ <u>1.10 544.50</u>
ASC		@ _____
<u>Material</u>		@ <u>3842.00</u>
<u>Disc</u>		@ <u>960.51</u>
HANDLING	<u>175 sks</u>	@ <u>2.48 434.00</u>
MILEAGE	<u>473 1/2</u>	@ <u>2.25 1064.38</u>
	<u>412.5</u>	TOTAL <u>5410.38</u>

SERVICE

DEPTH OF JOB	<u>22.3</u>
PUMP TRUCK CHARGE	<u>1512.25</u>
EXTRA FOOTAGE	@ _____
MILEAGE	<u>50 LHMJ</u> @ <u>4.40 220.00</u>
MANIFOLD	@ _____
<u>50 HLMJ</u>	@ <u>7.70 385.00</u>
<u>Disc</u>	@ <u>92.140</u>
TOTAL	<u>3685.63</u>
TOTAL	<u>2417.25</u>

PLUG & FLOAT EQUIPMENT

_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____

TOTAL

SALES TAX (If Any)	_____
TOTAL CHARGES	<u>7527.63</u>
DISCOUNT	<u>1881.91 25%</u> IF PAID IN 30 DAYS
net	<u>\$5645.72</u>

To: Allied Oil & Gas Services, 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.

PRINTED NAME Anthony Martin
SIGNATURE Anthony Martin



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 145976
Invoice Date: Sep 21, 2014
Page: 1

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

Federal Tax I.D.#: 20-8651475

Bill To:
Bach Oil Production 82 W. 500 Ln. Phillipsburg, KS 67661

Customer ID	Field Ticket #	Payment Terms	
Bach	55327	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-02	Russell	Sep 21, 2014	10/21/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Cox #1		
258.00	CEMENT MATERIALS	Class A Common	1.10	283.80
450.00	CEMENT MATERIALS	AMD	25.90	11,655.00
150.00	CEMENT MATERIALS	60/40/2% Gel Blend	18.43	2,764.50
2,250.00	CEMENT MATERIALS	Gilsonite	0.98	2,205.00
1,786.00	CEMENT MATERIALS	Salt	0.68	1,214.48
600.00	CEMENT SERVICE	Cubic Feet Charge	2.48	1,488.00
1,380.00	CEMENT SERVICE	Ton Mileage Charge	2.75	3,795.00
1.00	CEMENT SERVICE	Long String	2,558.75	2,558.75
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	CEMENT SERVICE	Manifold Rental	275.00	275.00
150.00	CEMENT SERVICE	Heavy Vehicle Mileage	7.70	1,155.00
1.00	EQUIPMENT SALES	5-1/2 AFU Float Shoe	545.00	545.00
1.00	EQUIPMENT SALES	5-1/2 Latch Down	660.00	660.00
10.00	EQUIPMENT SALES	5-1/2 Centralizer	57.00	570.00
5.00	EQUIPMENT SALES	5-1/2 Basket	395.00	1,975.00
1.00	CEMENT SUPERVISOR	Robert Yakubovich		
1.00	EQUIPMENT OPERATOR	Nathan Donner		
1.00	OPERATOR ASSISTANT	Tracy Jordan		
1.00	OPERATOR ASSISTANT	Tyler Wellbrock		

Subtotal	31,364.53
Sales Tax	1,454.54
Total Invoice Amount	32,819.07
Payment/Credit Applied	
TOTAL	32,819.07

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

\$ 6,586.55

ONLY IF PAID ON OR BEFORE
Oct 21, 2014

ALLIED OIL & GAS SERVICES, LLC 055027

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Russell KS

DATE <u>9-21-14</u>	SEC. <u>3</u>	TWP. <u>1</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>3:00 AM</u>	JOB FINISH <u>3:30 AM</u>
LEASE <u>COX</u>	WELL # <u>1</u>	LOCATION <u>Phillipsberg KS 22N 6W</u>			COUNTY <u>Phillips</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)		<u>1st Winto</u>					

CONTRACTOR Martin 24
 TYPE OF JOB long string
 HOLE SIZE 7 7/8 T.D. 3451
 CASING SIZE 5 1/2 DEPTH 3454
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 12.17
 CEMENT LEFT IN CSG. 12.17
 PERFS.
 DISPLACEMENT 81.93

OWNER
 CEMENT
 AMOUNT ORDERED 450 AMD 5# Gil/st
150 6 3/4 2 7/8 gal 10 5/8 salt 2 7/8 cc
 COMMON @
 POZMIX @
 GEL @
 CHLORIDE 258# @ 1.10 283.80
 ASC @
 AMD 450 @ 25.90 11655.00
6 3/4 150 @ 18.43 2764.50
Gilsonite 2250# @ 0.98 2205.00
Salt 1786# @ 0.68 1214.48
 @
Material @ 18122.78
Allice @ 3805.79
 @
 HANDLING 600 sts @ 2.48 1488.00
 MILEAGE 1380 t/m 2.75 3775.00
 TOTAL 23465.78

EQUIPMENT

PUMP TRUCK CEMENTER Robert V
 # 409 HELPER Nathan D
 BULK TRUCK
 # 985 DRIVER Tracy J
 BULK TRUCK
 # 481 DRIVER Tyler W

REMARKS:

see log
circulated 50 sts to pit
Thank you!!!

CHARGE TO: Bach Oil
 STREET
 CITY STATE ZIP

SERVICE

DEPTH OF JOB 3454
 PUMP TRUCK CHARGE 2558.75
 EXTRA FOOTAGE @
 MILEAGE 50 LVM I @ 4.40 220.00
 MANIFOLD @ 275.00 275.00
150 HVMI @ 7.70 1155.00
 @
Allice 1993.26 TOTAL 9491.75
 TOTAL 4208.75

PLUG & FLOAT EQUIPMENT

WF 5 1/2 AFU float shoe @ 545.00 545.00
WF 5 1/2 lateral down @ 660.00 660.00
WF 5 1/2 centralizer (C10) @ 57.00 570.00
WF 5 1/2 basket (CS) @ 395.00 1975.00
 @
Allice 787.50 TOTAL 3750.00

To: Allied Oil & Gas Services, 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)
 TOTAL CHARGES 31364.53
 DISCOUNT 6586.55 (21%) IF PAID IN 30 DAYS
 net \$ 2,4777.98

PRINTED NAME
 SIGNATURE [Signature]