



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1072529
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: _____

1072529

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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

BACH OIL PRODUCTION

WELL: TIEN #1

LOC.: 530' FNL & 330' FWL
 SEC. 15-2-19W
 PHILLIPS COUNTY, KANSAS
 API: 15-147-20658-00-00

ELEVATION

KB: 2217
 GL: 2212
 LOG MEASURED
 FROM: KB

SURFACE CASING

20# 8 5/8" Casing set @ 224 w/160 SX

PRODUCTION CASING

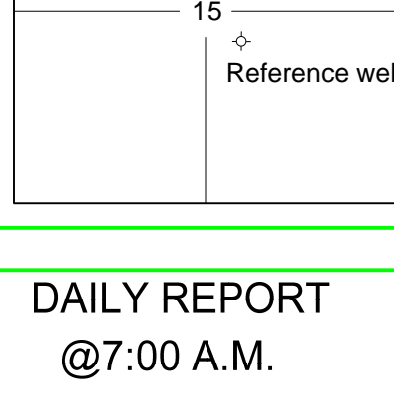
P&A

WELL LOG SURVEYS

RAG

ELECTRIC LOG TOPS

FORMATION	DEPTH	DATUM	POSITION
Base Stone Corral	1809	+408	-7
Topeka	3153	-936	-11
Heebner	3370	-1153	-14
Toronto	3402	-1185	-14
Lansing	3418	-1201	-13
Base Kansas City	3632	-1415	-16



REFERENCE WELL:

Deep Rock
 Van Kooten #1
 D&A
 NW NW SE
 15-2-19W

DAILY REPORT

@7:00 A.M.

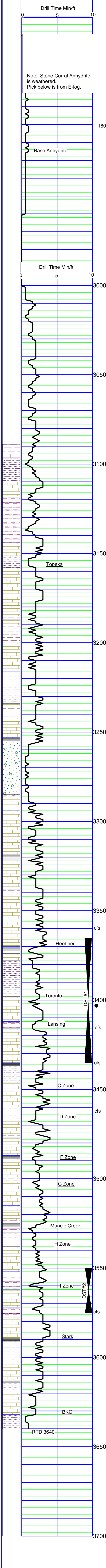
12-31-11 MIRU, Spud
 01-01-12 320' Drilling
 01-02-12 2300' Drilling
 01-03-12 3140' Drilling
 01-04-12 3435' DST #1
 01-05-12 3579' Drilling

REMARKS AND RECOMMENDATIONS

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

Respectfully submitted,

Robert J. Petersen
 Robert J. Petersen

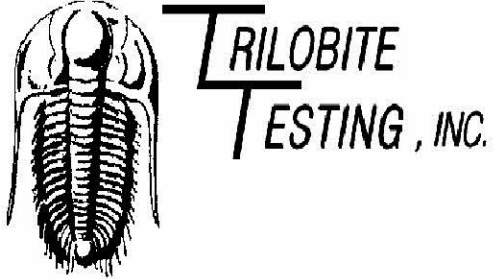


SAMPLE DESCRIPTION

LS: Gray, dense + SS: Gray, fine grained + SH: gray (3060)
 SH: Gray/dark gray (3070)
 LS: Cream, fine crystalline, foss, chalky, sl dolo (3080)
 LS: Tan/gray, fine crystalline to dense (3090)
 LS: Cream/gray, fine crystalline to dense, foss, chalky (3100)
 SH: Gray/brown, silty (3110)
 LS: Cream, fine crsytalline, foss, chalky (3120)
 SH: Gray,silty-sandy (3130)
 SS: Gray/tan,hard (3140)
 LS: Gray, fine crystalline + SH: Gray (3140)
 SH: Gray (3150)
 LS: Tan/gray, dense, hard (3150)
 SH: Gray (3160)
 LS: Gray/dark gray, dense, mottled (3160)
 LS: Gray/tan, fine crystalline to dense, foss-chalky (3170)
 LS: Cream/tan, fine crystalline, foss, chalky, cherty (3180)
 SH: Black (3190)
 LS: Cream/tan, fine crystalline, foss, chalky (3200)
 SH: Black (3200)
 LS: Cream/gray, fine crystalline, foss, chalky (3210)
 LS: Cream, fine crystalline, foss, chalky (3220)
 SH: Black (3220)
 SH: Red. Silty, sandy (3230)
 LS: Cream, fine crystalline, ool-subgranular, chalky-cherty (3240)
 LS: Cream/tan, fine crystalline, foss, chalky + SH: Gray (3250)
 SH: Gray (3260)
 LS: Cream, fine crystalline, foss, chalky, cherty (3260-70)
 SH: Gray (3270)
 SS: Cream/gray, fg, calc + SH: Gray (3280-3290)
 SS: Cream/gray, fine grained, friable to well-cem (3300)
 SH: Dark gray (3310)
 LS: Cream, fine crystalline, foss, chalky (3310)
 SH: Red/gray, silty-sandy (3320)
 LS: Cream/lt gray, fine crystalline, foss, chalky, cherty (3330)
 SH: Black (trace 3330)
 SH: Red (3340)
 LS: Cream/lt gray, fine crystalline, foss, chalky (3340)
 LS: Cream, fine crystalline to dense, foss-granular, sl dolo, chalky, trace gray stain (3350)
 LS: Cream/brown, fine crystalline to dense, foss (3360)
 Strap @3360' 0.045 STB
 LS: Cream/gray, fine crystalline to dense, foss, dolomitic in part (3370-3380)
 SH: Black (3390)
 LS: Gray, fine crystalline, hard (3390)
 SH: Red, silty-sandy (trace 3390)
 +SD: Gray, very fine grained, silty (3400)
 LS: Cream, fine crystalline, foss, poor moldic por, ssfo (3410)
 LS: Cream, fine crystalline, ool-granular, foss-in part,dolomitic, cherty, w/poor to fair moldic/intergran por, ssfo, faint odor, amber stain on dry(3415)
 LS: Cream/lt gray, fine crystalline to dense, foss, dolo (3415)
 SH: Red/gray, silty (3415/20")
 LS: Cream, fine crystalline, ool-granular-in part, dolomitic w/poor intergran por, ssfo (3425)
 LS: Cream/lt gray, fine to medium crystalline, foss, dolomitic (3425/20" -3435)
 LS: Cream/lt gray, fine crystalline, foss, cherty (3425/30-60")
 LS: Gray/black mottled, foss, dense, cherty (3460)
 SH: Black (trace 3460)
 SH: Red/gray, silty-sandy (3460)
 LS: Cream/white, fine crystalline, foss, cherty, trace moldic por, ssfo (3470)
 very foss, trace moldic por, bleeding oil, very faint odor (62/20")
 trace coarse crystalline, vug por, sfo (3470)
 SH: Red/gray, silty (3470)
 LS: Cream, fine crystalline, foss, trace moldic por, ssfo, very cherty (3480)
 LS: Cream, fine crystalline, foss, dolomitic, ppt moldic por, ssfo, no odor (3480/20")
 LS: Gray, dense, sl foss (3490)
 SH: Dark gray (3490)
 SH: Black (3500)
 LS: Cream, fine to medium crystalline, foss, subgranular (3500)
 LS: Cream, fine crystalline, oolitic-granular, hard, trace stain, nsfo (3510)
 LS: Cream/lt gray, fine crystalline to dense, sl chalky (3520)
 LS: Crea./tan, fine crystalline, dolomitic, sl foss, trace stain (3530)
 LS: Gray, mottled, fine crystalline to dense, cherty (3440)
 SH: Black (3440)
 SH: Red, silty (3440)
 SH: Red/gray, silty-sandy (3450)
 LS: Tan/gray, fine crystalline, foss, cherty (3450)
 LS: Cream/lt gray, fine crystalline, dolo, sl chalky (3460)
 SH: Dark gray (3470)
 LS: Cream, fine crystalline, foss-granular in part w/intergranular and moldic por, sfo, bleeding oil, odor with patchy to full sat on dry (3570-3575)
 LS: Cream, fine crystalline, foss, granular with fair intergranular por and ppt vug por, gsfo, heavy odor, dark sat on dry (3575/15")
 LS: Cream, dense, w/ppt moldic por, ssfo, odor(3575/30")
 LS: Cream/gray, fine crystalline to dense (3575/60")
 SH: Maroon/gray, silty (3580)
 LS: Lt gray, dense, blocky, trace vug por, vssfo-tarry (3590)
 SH: Red/gray (3600)
 SH: Red/gray, silty-sandy (3610)
 LS: Cream, fine crystalline to dense, foss (3610)
 LS: Cream, fine crystalline, foss, sl dolo, chalky, trace poor fracture por trace dead tarry stain (3620)
 SH: Black (trace 3630)
 SH: Maroon/gray, silty, sandy (3640)
 LS: Cream, fine crystalline, ool, chalky (3640)
 SH: Red, silty-sandy (3640/5")

DST #1
 3365-3435'
 IF: 4 1/2"
 FF: 1 1/2"
 SIP: 1169-1160#
 FP: 18-42/45-57#
 Recovered:
 93' WCM w/trace oil
 24% water

DST#2
 3550-3575'
 45-45-60"
 IF: Built to 1/2"
 FF: Surface blow
 from 12 min. till close
 SIP: 1082-1096#
 FP: 15-17/20-21#
 Recovered:
 10' MCO



DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

Tien #1

15/2s/19w Phillips KS

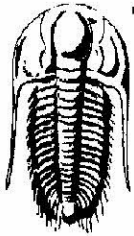
Start Date: 2012.01.04 @ 01:15:00

End Date: 2012.01.04 @ 08:52:00

Job Ticket #: 042976 DST #: 1

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

Printed: 2012.02.06 @ 08:50:36



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Bach Oil Production

15/2s/19w Phillips KS

PO Box 723
Alma, NE 68920

Tien #1

Job Ticket: 042976

DST#: 1

ATTN: Bob Peterson

Test Start: 2012.01.04 @ 01:15:00

GENERAL INFORMATION:

Formation: **Toronto - LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:35:00

Time Test Ended: 08:52:00

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 57

Interval: **3365.00 ft (KB) To 3435.00 ft (KB) (TVD)**

Reference Elevations: 2217.00 ft (KB)

Total Depth: 3435.00 ft (KB) (TVD)

2212.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6719

Press@RunDepth: 56.76 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.04 End Date: 2012.01.04

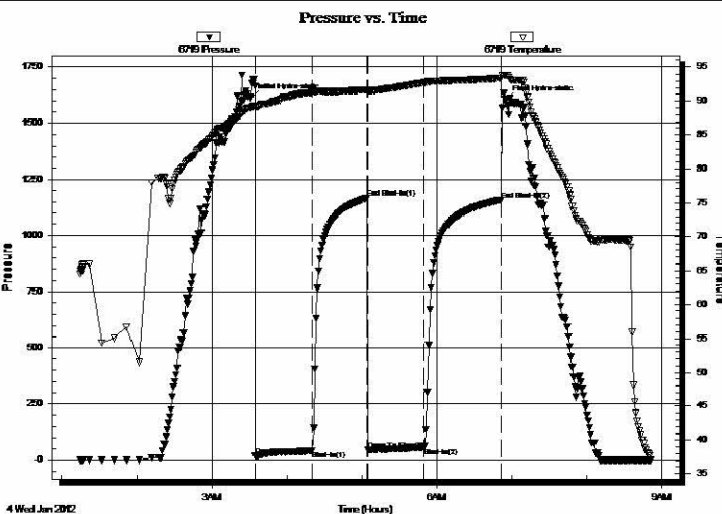
Last Calib.: 2012.01.04

Start Time: 01:15:05 End Time: 08:51:59

Time On Btm: 2012.01.04 @ 03:31:30

Time Off Btm: 2012.01.04 @ 06:55:00

TEST COMMENT: 45 - IF: Blow built to 4 1/2"
45 - IS: Bled off, No blow back
45 - FF: Blow built to 1 1/2"
60 - FS: Bled off, No blow back



PRESSURE SUMMARY

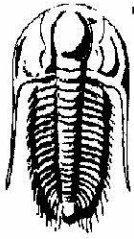
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1613.36	89.02	Initial Hydro-static
4	17.74	89.07	Open To Flow (1)
49	41.81	91.28	Shut-In(1)
93	1168.78	91.70	End Shut-In(1)
94	44.87	91.30	Open To Flow (2)
139	56.76	92.73	Shut-In(2)
200	1160.03	93.42	End Shut-In(2)
204	1603.33	93.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
93.00	WCM w /trace oil 76%m, 24%w	1.03

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

15/2s/19w Phillips KS

PO Box 723
Alma, NE 68920

Tien #1

Job Ticket: 042976

DST#: 1

ATTN: Bob Peterson

Test Start: 2012.01.04 @ 01:15:00

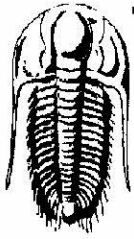
Tool Information

Drill Pipe:	Length: 3329.00 ft	Diameter: 3.80 inches	Volume: 46.70 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: 48000.00 lb
			<u>Total Volume: 46.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3365.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	98.00 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			3342.00	
Hydraulic tool	5.00			3347.00	
Jars	5.00			3352.00	
Safety Joint	3.00			3355.00	
Packer	5.00			3360.00	28.00 Bottom Of Top Packer
Packer	5.00			3365.00	
Stubb	1.00			3366.00	
Recorder	0.00	8719	Inside	3366.00	
Recorder	0.00	8320	Outside	3366.00	
Perforations	30.00			3396.00	
Blank Spacing	33.00			3429.00	
Perforations	3.00			3432.00	
Bullnose	3.00			3435.00	70.00 Bottom Packers & Anchor

Total Tool Length: 98.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

15/2s/19w Phillips KS

PO Box 723
Alma, NE 68920

Tien #1

Job Ticket: 042976

DST#: 1

ATTN: Bob Peterson

Test Start: 2012.01.04 @ 01:15:00

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: 69.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
93.00	WCM w /trace oil 76%m, 24%w	1.031

Total Length: 93.00 ft Total Volume: 1.031 bbl

Num Fluid Samples: 0

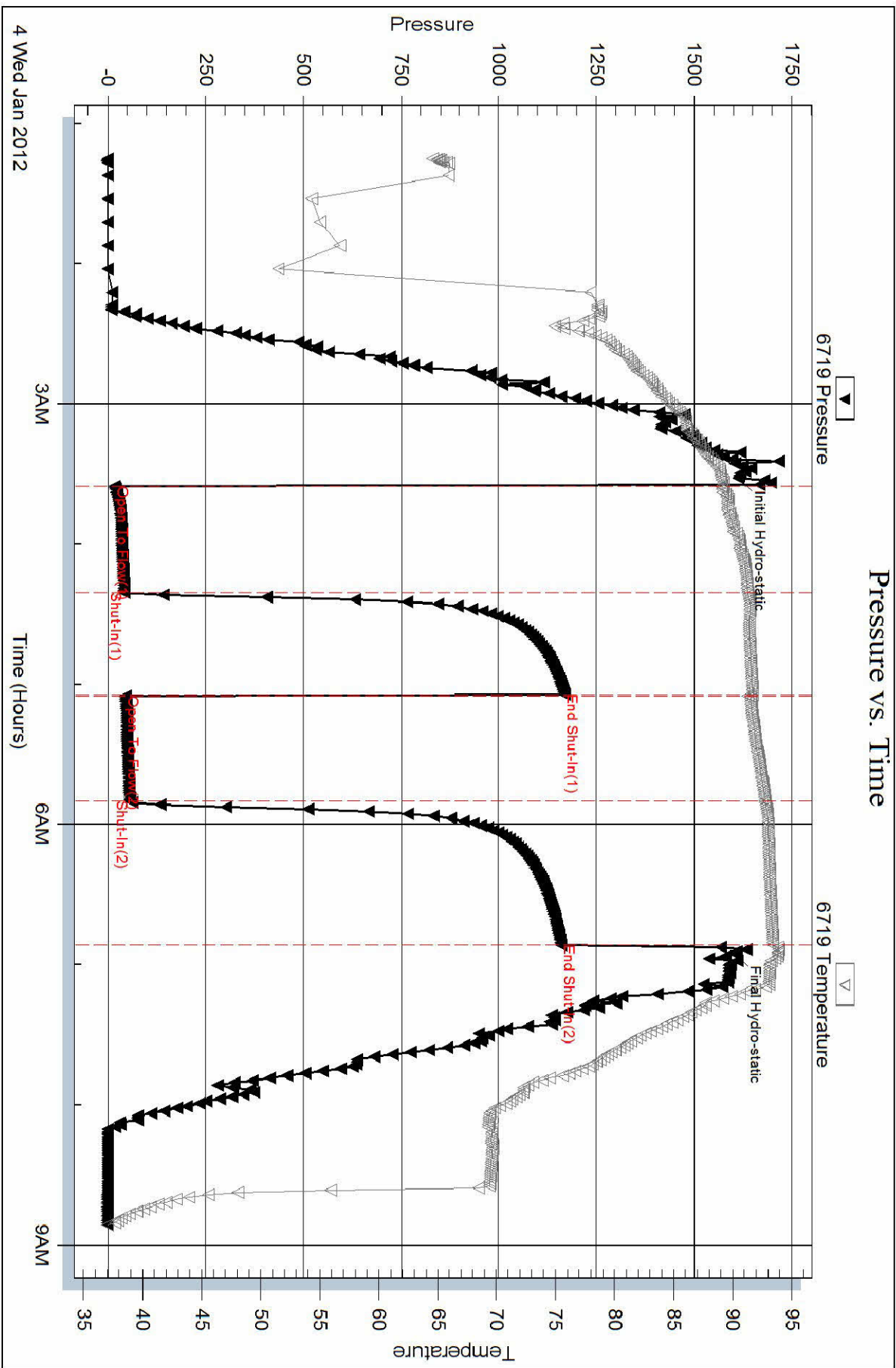
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .324 ohms @ 70.2 deg F
Chlorides =

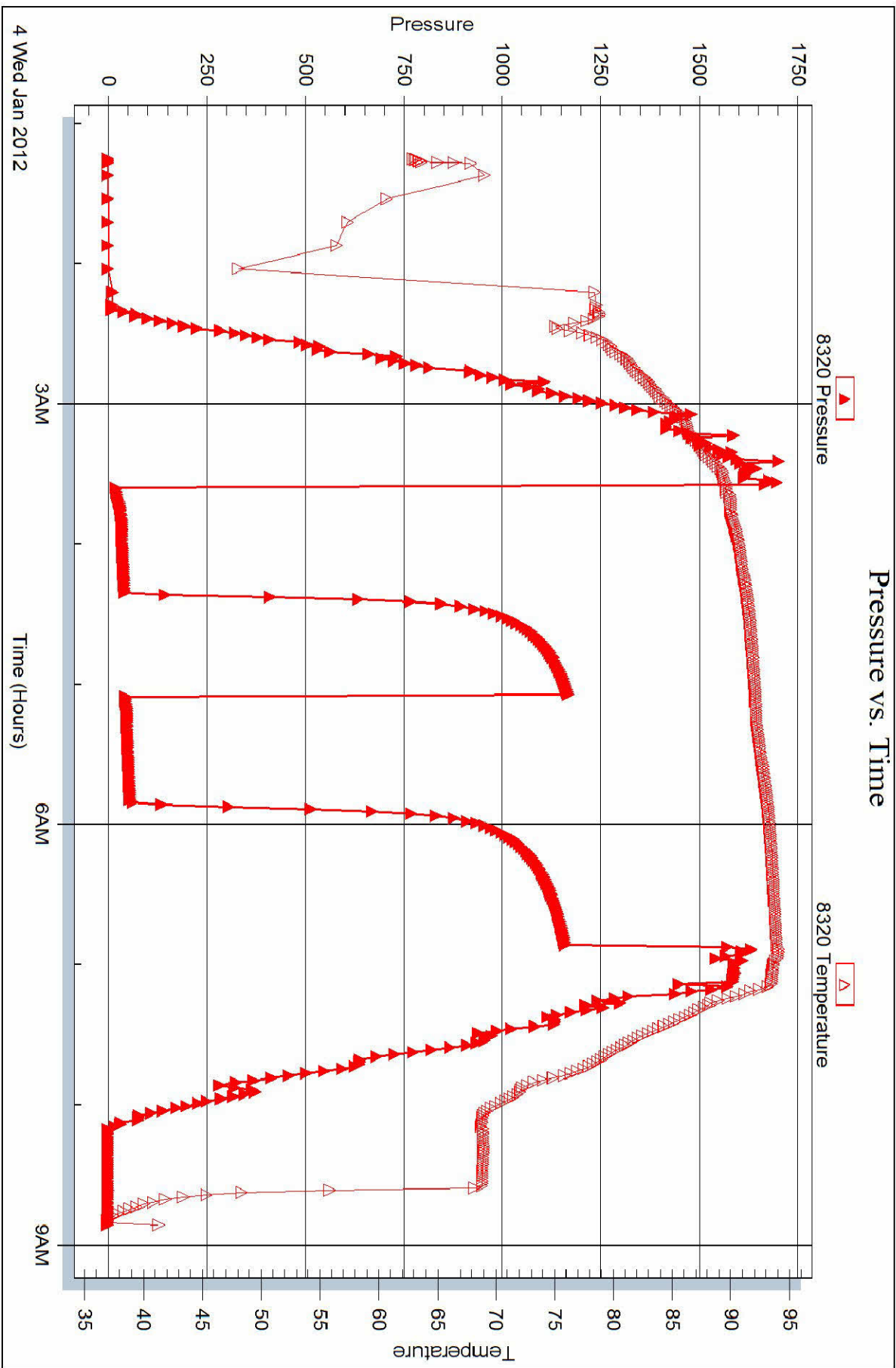


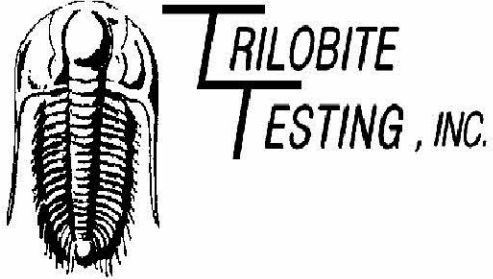
Serial #: 8320

Outside Bach Oil Production

Tien #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

Tien #1

15/2s/19w Phillips KS

Start Date: 2012.01.04 @ 20:45:00

End Date: 2012.01.05 @ 04:11:30

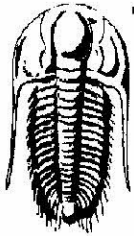
Job Ticket #: 042977 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.02.06 @ 08:53:06



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Bach Oil Production

15/2s/19w Phillips KS

PO Box 723
Alma, NE 68920

Tien #1

Job Ticket: 042977

DST#: 2

ATTN: Bob Peterson

Test Start: 2012.01.04 @ 20:45:00

GENERAL INFORMATION:

Formation: **LKC "I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:15:30

Time Test Ended: 04:11:30

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 57

Interval: **3550.00 ft (KB) To 3575.00 ft (KB) (TVD)**

Reference Elevations: 2217.00 ft (KB)

Total Depth: 3575.00 ft (KB) (TVD)

2212.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6719

Press@RunDepth: 21.73 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.04 End Date: 2012.01.05

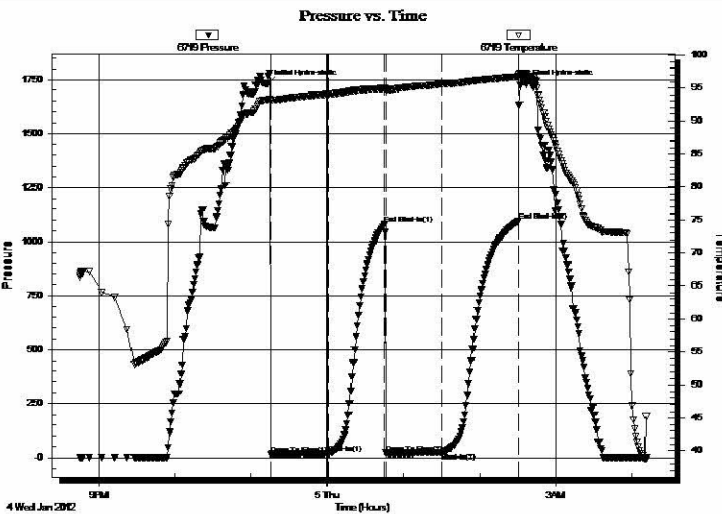
Last Calib.: 2012.01.05

Start Time: 20:45:05 End Time: 04:11:29

Time On Btm: 2012.01.04 @ 23:13:00

Time Off Btm: 2012.01.05 @ 02:36:30

TEST COMMENT: 45 - IF: Blow built to 1/2"
45 - IS: Bled off, No blow back
45 - FF: On/Off surface blow from 12 min. till close
60 - FS: Bled off, No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1728.90	93.17	Initial Hydro-static
3	15.05	93.17	Open To Flow (1)
48	17.13	94.04	Shut-In(1)
92	1081.72	94.98	End Shut-In(1)
93	20.32	94.75	Open To Flow (2)
137	21.73	95.62	Shut-In(2)
198	1095.51	96.75	End Shut-In(2)
204	1728.14	97.32	Final Hydro-static

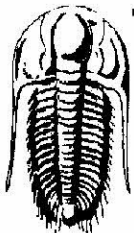
Recovery

Length (ft)	Description	Volume (bbl)
10.00	MCO 65%o, 35%m	0.05

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bach Oil Production

15/2s/19w Phillips KS

PO Box 723
Alma, NE 68920

Tien #1

Job Ticket: 042977

DST#: 2

ATTN: Bob Peterson

Test Start: 2012.01.04 @ 20:45:00

GENERAL INFORMATION:

Formation: **LKC "I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:15:30

Time Test Ended: 04:11:30

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 57

Interval: **3550.00 ft (KB) To 3575.00 ft (KB) (TVD)**

Total Depth: 3575.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2217.00 ft (KB)

2212.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8320

Outside

Press@RunDepth: psig @ 3551.00 ft (KB)

Start Date: 2012.01.04

End Date: 2012.01.05

Start Time: 20:45:05

End Time: 04:10:59

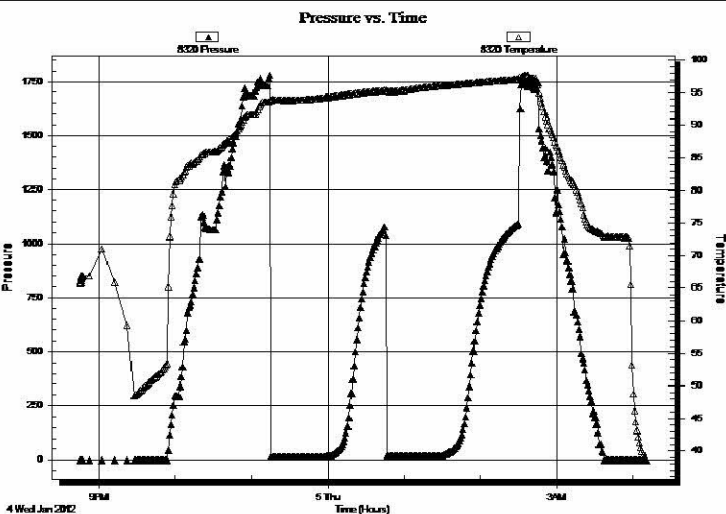
Capacity: 8000.00 psig

Last Calib.: 2012.01.05

Time On Btm:

Time Off Btm:

TEST COMMENT: 45 - IF: Blow built to 1/2"
45 - IS: Bled off, No blow back
45 - FF: On/Off surface blow from 12 min. till close
60 - FS: Bled off, No blow back



PRESSURE SUMMARY

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

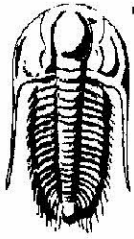
Recovery

Length (ft)	Description	Volume (bbl)
10.00	MCO 65%o, 35% m	0.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

15/2s/19w Phillips KS

PO Box 723
Alma, NE 68920

Tien #1

Job Ticket: 042977

DST#: 2

ATTN: Bob Peterson

Test Start: 2012.01.04 @ 20:45:00

Tool Information

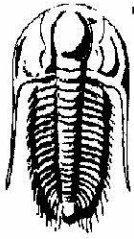
Drill Pipe:	Length: 3519.00 ft	Diameter: 3.80 inches	Volume: 49.36 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 49.51 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3550.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	53.00 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			3527.00	
Hydraulic tool	5.00			3532.00	
Jars	5.00			3537.00	
Safety Joint	3.00			3540.00	
Packer	5.00			3545.00	28.00 Bottom Of Top Packer
Packer	5.00			3550.00	
Stubb	1.00			3551.00	
Recorder	0.00	8719	Inside	3551.00	
Recorder	0.00	8320	Outside	3551.00	
Perforations	21.00			3572.00	
Bullnose	3.00			3575.00	25.00 Bottom Packers & Anchor

Total Tool Length: 53.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

15/2s/19w Phillips KS

PO Box 723
Alma, NE 68920

Tien #1

Job Ticket: 042977

DST#: 2

ATTN: Bob Peterson

Test Start: 2012.01.04 @ 20:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 69.00 sec/qt

Water Loss: 7.98 in³

Resistivity: ohm.m

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	MCO 65%o, 35%m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

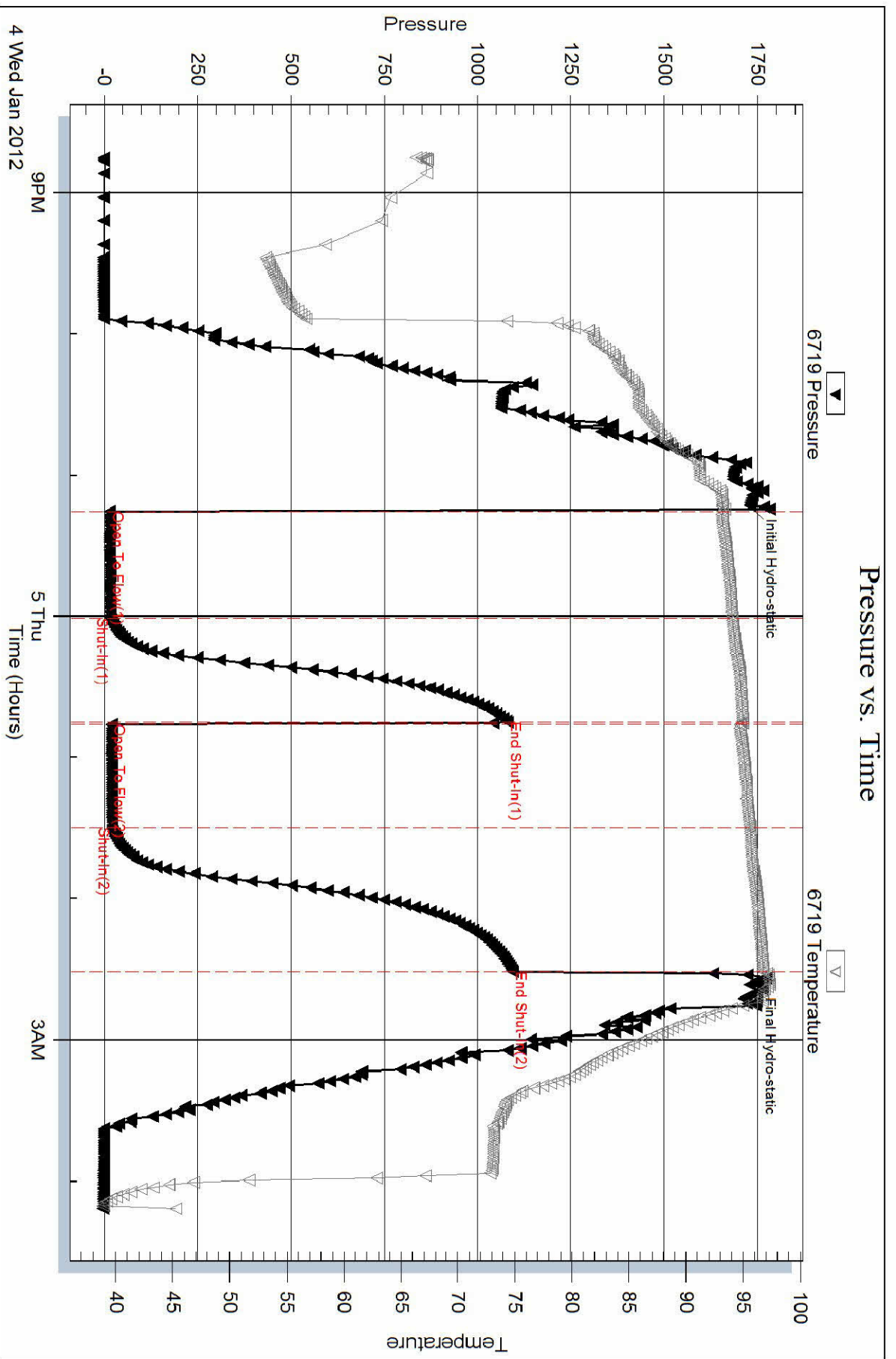
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

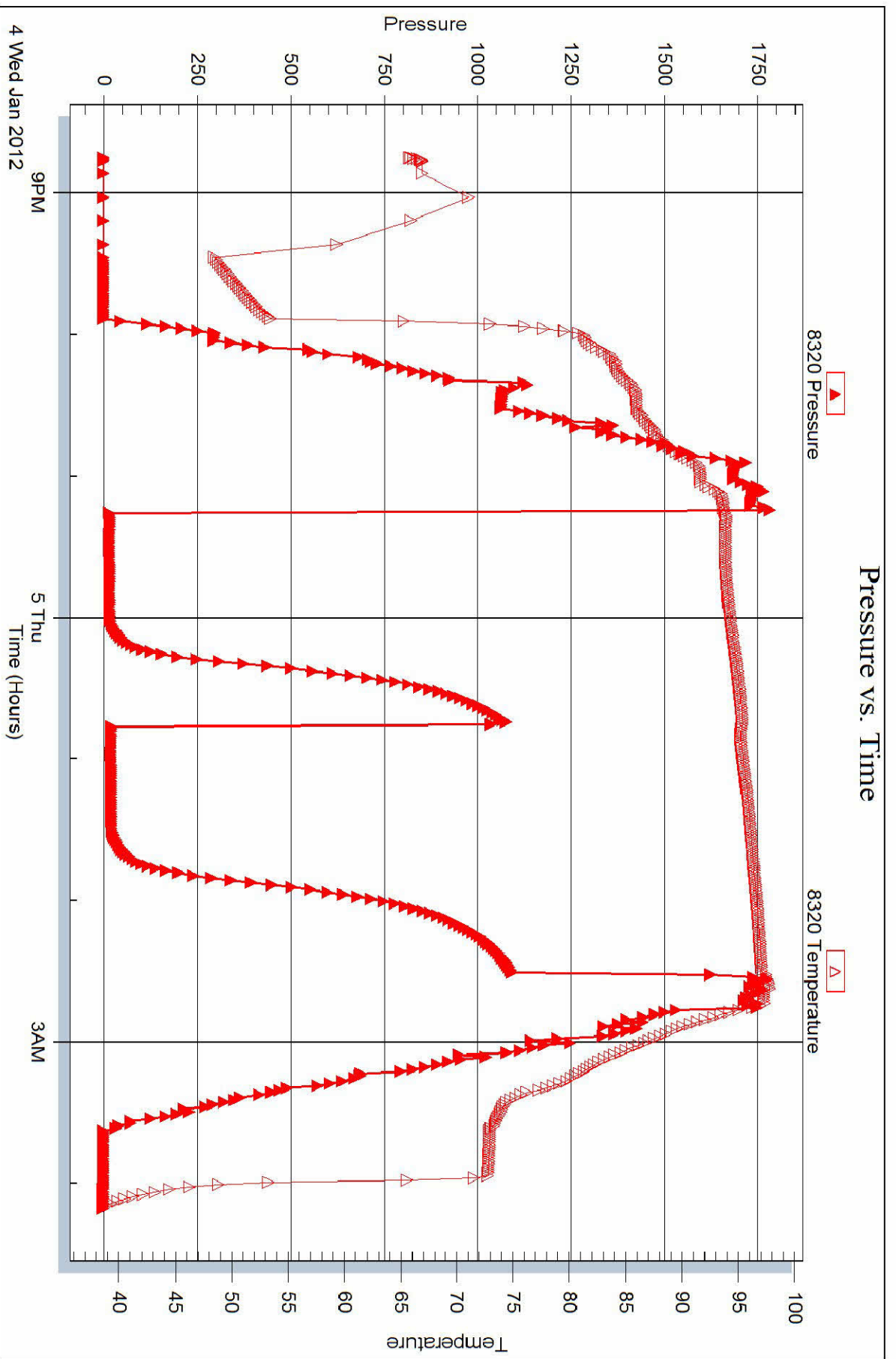


Serial #: 8320

Outside Bach Oil Production

Tien #1

DST Test Number: 2





INVOICE

PO Box 470308
Fort Worth, TX 76147

Invoice Number: 129766
Invoice Date: Dec 31, 2011
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.#: 20-5975804

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Bach	Tien #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Russell	Dec 31, 2011	1/30/12

Quantity	Item	Description	Unit Price	Amount
160.00	MAT	Class A Common	16.25	2,600.00
3.00	MAT	Gel	21.25	63.75
5.00	MAT	Chloride	58.20	291.00
168.00	SER	Handling	2.25	378.00
60.00	SER	Mileage sks x mi x .11	18.48	1,108.80
1.00	SER	Surface	1,125.00	1,125.00
60.00	SER	Pump Truck Mileage	7.00	420.00
60.00	SER	Light Vehicle Mileage	4.00	240.00
2.25	SER	Credit Rig Time	400.00	-900.00
1.00	CEMENTER	Glenn Ginther		
1.00	OPER ASSIST	Tony Pfannenstiel		
1.00	EQUIP OPER	Ron Bennett		

Subtotal	5,326.55
Sales Tax	200.92
Total Invoice Amount	5,527.47
Payment/Credit Applied	
TOTAL	5,527.47

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

\$ 1595.95

ONLY IF PAID ON OR BEFORE
Jan 25, 2012

ALLIED CEMENTING CO., LLC. 034529

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Russell Ks

DATE <u>8-31-2011</u>	SEC <u>15</u>	TWP <u>2 S</u>	RANGE <u>19 W</u>	CALLED OUT	ON LOCATION	JOB START <u>9:00 AM</u>	JOB FINISH <u>9:30 AM</u>
LEASE <u>Tien</u>	WELL # <u>#1</u>	LOCATION <u>Speed K. N. To Hwy 36</u>		COUNTY <u>Phillips</u>	STATE <u>KANSAS</u>		
OLD OR NEW (Circle one) <u>NEW</u>		5 N 2 W 1 S					

CONTRACTOR MURFIN DRILL RIG #16

TYPE OF JOB Cement Surface

HOLE SIZE 12 1/4 T.D. 225

CASING SIZE 8 5/8 New DEPTH 224

TUBING SIZE # CSG DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 13 1/4 / BBL

EQUIPMENT

OWNER

CEMENT AMOUNT ORDERED 160 sx Com

3 cc

2 cc GEL

COMMON <u>160 sx</u>	@ <u>16.25</u>	<u>2600.00</u>
POZMIX	@	
GEL <u>3 sx</u>	@ <u>21.25</u>	<u>63.75</u>
CHLORIDE <u>5 sx</u>	@ <u>58.20</u>	<u>291.00</u>
ASC	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>168</u>	@ <u>2.25</u>	<u>378.00</u>
MILEAGE <u>60</u> <u>700 mile</u>		<u>1108.80</u>
TOTAL		<u>4441.55</u>

PUMP TRUCK CEMENTER GILMAN

409 HELPER TODD

BULK TRUCK

410 DRIVER Tony

BULK TRUCK

378 DRIVER RON

REMARKS:

Ran 5 JT'S OF New 20# CSG
Set @ 224 Received Circulation
of cement w/ 160 sx Com.
3 cc & 2 cc GEL
Displace 13 1/4 BBL H₂O &
Shut in @ 250#
Cement did circulate
to surface - THANKS

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE 1125.00

EXTRA FOOTAGE

MILEAGE 60 HV @ 7.00 420.00

MANIFOLD

LV 60 @ 4.00 240.00

Credit rig time 2.25 @ 400.00 <900.00>

TOTAL 885.00

CHARGE TO: Jason Bach O₂ Co.

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL

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)

TOTAL CHARGES 5326.55

DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME

SIGNATURE Aug 2011

Bulk Truck #410
had engine
fully repaired (Rig Time 2 1/4 hr)
400.00



INVOICE

PO Box 31
Russell, KS 67665

Invoice Number: 129786

Invoice Date: Jan 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.#: 20-5975804

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Bach	Tien #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-03	Russell	Jan 5, 2012	2/4/12

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
9.00	MAT	Gel	21.25	191.25
55.00	MAT	Flo Seal	2.70	148.50
231.00	SER	Handling	2.25	519.75
96.00	SER	Mileage 231 sx @.11	25.41	2,439.36
1.00	SER	Plug to Abandon	1,250.00	1,250.00
96.00	SER	Pump Truck Mileage	7.00	672.00
96.00	SER	Light Vehicle Mileage	4.00	384.00
1.00	EQP	8.5/8 Wooden Plug	92.00	92.00
1.00	CEMENTER	Bobby Smith		
1.00	OPER ASSIST	Robert Yakubovich		

Subtotal	8,589.86
Sales Tax	584.11
Total Invoice Amount	9,173.97
Payment/Credit Applied	
TOTAL	9,173.97

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

\$2766.58

ONLY IF PAID ON OR BEFORE
Jan 30, 2012

ALLIED CEMENTING CO., LLC. 035201

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 34
RUSSELL, KANSAS 67665

SERVICE POINT:

RUSSELL

DATE <u>1-5-12</u>	SEC. <u>15</u>	TWPS <u>2</u>	RANGE <u>19^W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>TIEN</u>	WELL # <u>1</u>	LOCATION <u>Speed KS N TO Hwy 36</u>			COUNTY <u>PHILLIPS</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)		<u>9N 2^W 15 EAST INTO</u>					

CONTRACTOR <u>MURFIN 16</u>	OWNER
TYPE OF JOB <u>RTA</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>1770</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>224</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

CEMENT	
AMOUNT ORDERED <u>220^{SK}</u>	
<u>60/40/4 + 1/4" FLO-SEAL</u>	

COMMON	<u>132</u>	@ <u>16.25</u>	<u>2145.00</u>
POZMIX	<u>88</u>	@ <u>8.50</u>	<u>748.00</u>
GEL	<u>9-9</u>	@ <u>21.25</u>	<u>191.25</u>
CHLORIDE		@	
ASC		@	
<u>FLO-SEAL</u>	<u>55[#]</u>	@ <u>2.70</u>	<u>148.50</u>
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>231</u>	@ <u>2.25</u>	<u>519.75</u>
MILEAGE	<u>96 X 231 X .11</u>		<u>2439.36</u>
TOTAL			<u>6191.86</u>

REMARKS:

<u>P1 - 1770 FT - 25^{SK}</u>	
<u>P2 - 1215 FT - 100^{SK}</u>	
<u>P3 - 275 FT - 40^{SK}</u>	
<u>P4 - 40 FT - 10^{SK}</u>	
<u>RAF - 30^{SK}</u>	<u>Thank you for</u>
<u>mouse - 15^{SK}</u>	<u>calling Allied</u>
	<u>Bob & crew</u>

SERVICE

DEPTH OF JOB	<u>1770</u>		
PUMP TRUCK CHARGE			<u>1250</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>H. 96</u>	@ <u>7.00</u>	<u>672.00</u>
MANIFOLD		@	
<u>LDV mileage</u>	<u>96</u>	@ <u>4.00</u>	<u>384.00</u>
		@	
TOTAL			<u>2306.00</u>

CHARGE TO: JASON BACH OIL CO.
STREET _____
CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

WOODEN PLUG	<u>1</u>	@ <u>92.00</u>	<u>92.00</u>
		@	
		@	
		@	
		@	
TOTAL			<u>92.00</u>

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) _____
TOTAL CHARGES 8589.86
DISCOUNT 20/50 IF PAID IN 30 DAYS

PRINTED NAME AFD
SIGNATURE Ay [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

February 23, 2012

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

Re: ACO1
API 15-147-20658-00-00
Tien 1
NW/4 Sec.15-02S-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