Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1178366

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 # 31569
Name: Bach, Jason dba Bach Oil Production
Address 1: PO BOX 723
Address 2:
City: ALMA State: NE Zip: 68920 + 0723
Contact Person: Jason Bach
Phone: (308) 928-8920
CONTRACTOR: License # 30606
Name: Murfin Drilling Co., Inc.
Wellsite Geologist: Bob Petersen
Purchaser: NA

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 #:

09/18/2013	09/23/2013	09/24/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-147-20721-00-00
Spot Description:
N2 - NW - SW - NW Sec. 9 Twp. 2 S. R. 19 ☐ East ☑ West
1500 Feet from ☑ North / ☐ South Line of Section
330 Feet from ☐ East / ☑ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Phillips
Lease Name: Kenneth Well #: 1
Field Name:
Producing Formation: NA
Elevation: Ground: 2212 Kelly Bushing: 2217
Total Vertical Depth: 3686 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 222 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: 15000 ppm Fluid volume: 400 bbls
Dewatering method used: Evaporated

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: 01/13/2014
☑ **Confidential Release Date:** 01/13/2016
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 01/14/2014

[redacted] 1178366

Operator Name: Bach, Jason dba Bach Oil Production Lease Name: Kenneth Well #: 1

Sec. 9 Twp. 2 S. R. 19 ☐ East ☑ West County: Phillips

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Compensated Density
Dual Induction

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name: Attached Top: Attached Datum: Attached

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	23	222	Class A Com	175	3% CC/2% Gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ 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 *(Amount and Kind of Material Used)*	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:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

PRODUCTION INTERVAL:
_____
_____

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Bach, Jason dba Bach Oil Production
Well Name	Kenneth 1
Doc ID	1178366

Tops

Name	Top	Datum
Stone Corral	1818	+399
Base Stone Corral	1841	+376
Topeka	3179	-962
Heebner	3386	-1169
Toronto	3416	-1199
Lansing	3433	-1216
Muncie Creek	3543	-1326
Stark	3608	-1391
Base Kansas City	3649	-1432

Form	ACO1 - Well Completion
Operator	Bach, Jason dba Bach Oil Production
Well Name	Kenneth 1
Doc ID	1178366

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	222	Class A Com	175	3% CC/2% Gel

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

BACH OIL PRODUCTION

WELL: KENNETH #1

LOC.:1500' FNL & 330' FWL
SEC. 9-2-19W
PHILLIPS COUNTY, KANSAS
API: 15-147-20721-00-00

DRILLING CONTR.: MURFIN RIG #24
SPUD: 09-18-13 COMP: 09-23-13
MUD UP: 2650' TYPE MUD: CHEM.
DRILL TIME: 3050 to' RTD
RTD: 3686' LTD:3686'
SAMPLES SAVED: 3050'-RTD
GEOLOGIST: ROBERT J. PETERSEN

ELEVATION
KB: 2217
GL: 2212
LOG MEASURED FROM: KB

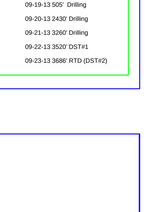
SURFACE CASING
20# 8 5/8 "
Casing set @ 222
w/175 SX

PRODUCTION CASING
D&A

WELL LOG SURVEYS
CDL/DIL

ELECTRIC LOG TOPS

FORMATION	DEPTH	DATUM	POSITION
BFH	596	+1621	+6
Stone Corral	1818	+399	+2
Base Stone Corral	1841	+376	-3
Topeka	3179	-962	+2
Heebner	3386	-1169	+2
Toronto	3416	-1199	+1
Lansing	3433	-1216	+2
Muncie Creek	3543	-1326	Flat
Stark	3608	-1391	-1
Base Kansas City	3649	-1432	Flat



REFERENCE WELL:
Bach
Dellmont #1
1320' FNL/570' FEL
8-2-19W

DAILY REPORT
@7:00 A.M.

09-18-13 MIRU/SPUD

09-19-13 505' Drilling

09-20-13 2430' Drilling

09-21-13 3260' Drilling

09-22-13 3520' DST#1

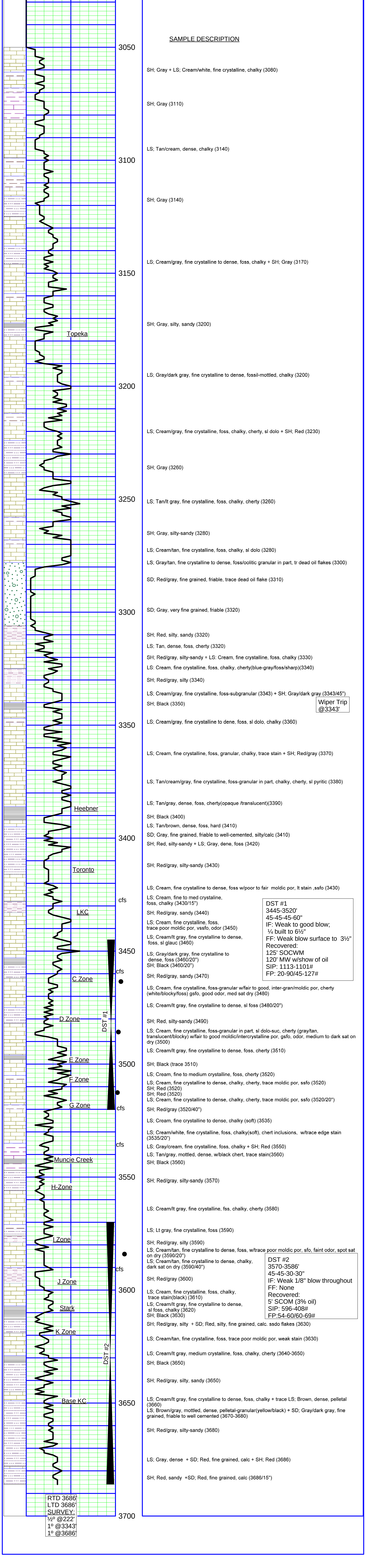
09-23-13 3686' RTD (DST#2)

REMARKS AND RECOMMENDATIONS

This well was plugged and abandoned by the operator.

Respectfully submitted,

Robert J. Petersen



ALLIED
OIL & GAS SERVICES, LLC

PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 138703
Invoice Date: Sep 18, 2013
Page: 1

Now Includes:

Treat-Em-Rite Pressure Pumping Service, LLC

Bill To:

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

Customer ID	Field Ticket #	Payment Terms	
Bach	54868	Net 30 Days	
Job Location	**Camp Location**	**Service Date**	**Due Date**
KS2-01	Russell	Sep 18, 2013	10/18/13

Quantity	Item	Description	Unit Price	Amount
		Kenneth #1		
175.00	CEMENT MATERIALS	Class A Common	17.90	3,132.50
3.00	CEMENT MATERIALS	Gel	23.40	70.20
6.00	CEMENT MATERIALS	Chloride	64.00	384.00
188.51	CEMENT SERVICE	Cubic Feet	2.48	467.50
430.75	CEMENT SERVICE	Ton Mileage	2.60	1,119.95
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
50.00	CEMENT SERVICE	Pump Truck Mileage	7.70	385.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	CEMENT SUPERVISOR	Tony Pfannenstiel		
1.00	EQUIPMENT OPERATOR	Nathan Donner		
1.00	OPERATOR ASSISTANT	Jesse Cozart		

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

$ 1,822.85

ONLY IF PAID ON OR BEFORE
Oct 13, 2013

Subtotal	7,291.40
Sales Tax	238.52
Total Invoice Amount	7,529.92
Payment/Credit Applied	
TOTAL	**7,529.92**

ALLIED OIL & GAS SERVICES, LLC 054868

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Russell, KS

Kenneth

DATE	SEC	TWP	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
9.18.13	9	2	19			800	830

LEASE	WELL #	LOCATION	COUNTY	STATE
Kennedy	1	Phillipsburg, KS	Phillips	KS

OLD OR (NEW) (Circle one) N to Hunter rd & West 5 into

CONTRACTOR Murfin #24
TYPE OF JOB Surface
HOLE SIZE 12¼ T.D.
CASING SIZE 8⅝ DEPTH 222'
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT 15'
CEMENT LEFT IN CSG. 15'
PERFS.
DISPLACEMENT 13.15 bbl H20

OWNER

CEMENT
AMOUNT ORDERED 175 com
3% cc 2% gel

COMMON	175sk	@ 17.9	$3,132.50
POZMIX		@	
GEL	3 sk	@ 23.4	$70.20
CHLORIDE	6 sk	@ 64.0	$384.00
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	188.61 Pkg	@ 2.43	$467.51
MILEAGE	43 x 75 T/m	2.60	$1,119.95
		TOTAL	$5,174.16

EQUIPMENT

PUMP TRUCK # 409 CEMENTER Tony P.
HELPER Nathan D
BULK TRUCK # 378 DRIVER Jesse C
BULK TRUCK # DRIVER

REMARKS:

* Circulate hole - mudd to Surface
* Pump 175sk @ 26.6 bbl mix. - cement to Surface.
* Disp - cement @ 13.15 bbl H20 cement up Surface
* Shut 8⅝ in @ #300 psi.

SERVICE

DEPTH OF JOB	222'		
PUMP TRUCK CHARGE			$1,512.25
EXTRA FOOTAGE		@	
MILEAGE	Heavy 50m	@ 7.70	$385.00
MANIFOLD	Light 50m	@ 4.40	$220.00
		@	
		@	
		TOTAL	$2,117.25

CHARGE TO: BACH Oil
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

		@	
		@	
		@	
		@	
		@	
		TOTAL	0

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 7291.41
DISCOUNT 1822.85 IF PAID IN 30 DAYS
Net 5468.56

PRINTED NAME Anthony Martin

SIGNATURE Anthony Martin

ALLIED
OIL & GAS SERVICES, LLC

PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 138846
Invoice Date: Sep 23, 2013
Page: 1

Now Includes:

Treat-Em-Rite Pressure Pumping Service, LLC

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

Customer ID	Field Ticket #	Payment Terms	
Bach	54871	Net 30 Days	
Job Location	**Camp Location**	**Service Date**	**Due Date**
KS2-03	Russell	Sep 23, 2013	10/23/13

Quantity	Item	Description	Unit Price	Amount
		Kenneth #1		
132.00	CEMENT MATERIALS	Class A Common	17.90	2,362.80
88.00	CEMENT MATERIALS	Pozmix	9.35	822.80
7.57	CEMENT MATERIALS	Gel	23.40	177.14
50.00	CEMENT MATERIALS	Flo Seal	2.97	148.50
235.95	CEMENT SERVICE	Cubic Feet	2.48	585.16
493.17	CEMENT SERVICE	Ton Mileage	2.60	1,282.24
1.00	CEMENT SERVICE	Plug to Abandon	2,600.47	2,600.47
50.00	CEMENT SERVICE	Pump Truck Mileage	7.70	385.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	EQUIPMENT SALES	8-5/8 Wooden Plug	85.41	85.41
1.00	CEMENT SUPERVISOR	Tony Pfannenstiel		
1.00	EQUIPMENT OPERATOR	Nathan Donner		
1.00	OPERATOR ASSISTANT	Danny Sinner		

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

$ 1,716.82

ONLY IF PAID ON OR BEFORE

Oct 18, 2013

Subtotal	8,669.52
Sales Tax	576.52
Total Invoice Amount	9,246.04
Payment/Credit Applied	
TOTAL	**9,246.04**

ALLIED OIL & GAS SERVICES, LLC 054871

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Russell, Ks

DATE 9.23.13	SEC. 9	TWP. 2	RANGE 19	CALLED OUT	ON LOCATION	JOB START 1000 pm	JOB FINISH 1100 pm
LEASE Kenneth	WELL # 1		LOCATION Phillipsburg, Ks			COUNTY Phillips	STATE Ks
OLD OR NEW (Circle one)			1 do Hunter Rd 3 w of 50 rd South Into				

CONTRACTOR
TYPE OF JOB PTA
HOLE SIZE 7 7/8 T.D.
CASING SIZE DEPTH
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH 1840'
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT See "Remarks"

OWNER

CEMENT
AMOUNT ORDERED 220 SK 60/40 4% gel 1/4# Flo-Seal

COMMON	132 SK	@ 17.9	$ 2,362.80
POZMIX	88 SK	@ 9.35	$ 822.80
GEL	7.5 SK	@ 23.4	$ 177.14
CHLORIDE		@	
ASC		@	
		@	
05# Flo-Seal		@	
# 50		@ 2.97	$ 148.50
		@	
		@	
		@	
		@	
		@	
HANDLING	235.95 sk	@ 2.40	$ 585.16
MILEAGE	193.175 tm	2.60	$ 1,782.25
		TOTAL	$ 5,378.65

EQUIPMENT

PUMP TRUCK CEMENTER Tony P.
409 HELPER Nathan D
BULK TRUCK
410 DRIVER Danny S.
BULK TRUCK
DRIVER

REMARKS:

P1 = 1840' @ 055K = 4.12 bbls/min
Dis = 2.63 bbls mud/min.
P2 = 1275' @ 100SK = 16.42 bbls/min
Dis = 11.5 bbls H2O
P3 = 275' @ 40SK = 6.57 bbls/min
Dis = 1.28 bbls H2O
P4 = 40' @ 10SK = 1.64 bbls/min
1X 8 5/8 Wooden Plug.
cement to Surface mouse = 15SK
RAT = 05K

CHARGE TO: BACH Oil

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB	1840'		
PUMP TRUCK CHARGE			$ 2,600.47
EXTRA FOOTAGE		@	
MILEAGE	Heavy 50m	@ 7.70	$ 385.00
MANIFOLD	Light 50m	@ 4.40	$ 220.00
		@	
		@	
		TOTAL	$ 3,205.47

PLUG & FLOAT EQUIPMENT

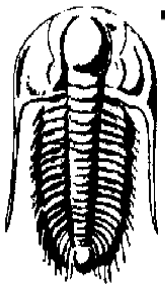
1X 8 5/8 Wooden Plug	@	$ 85.41
	@	
	@	
	@	
	@	
	TOTAL	$ 85.41

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

SALES TAX (If Any)
TOTAL CHARGES $ 8,669.53
DISCOUNT $ 1,716.82 IF PAID IN 30 DAYS
Net 6,952.71



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723
Alma NE 68920-0723

ATTN: Jason Bach

Kenneth #1

9-2s-19w Phillips,KS

Start Date: 2013.09.22 @ 06:30:38
End Date: 2013.09.22 @ 13:14:02
Job Ticket #: 54813 DST #: 1

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

Printed: 2013.09.23 @ 15:15:30

DRILL STEM TEST REPORT

Bach Oil Production

PO Box 723
Alma NE 68920-0723

ATTN: Jason Bach

9-2s-19w Phillips,KS

Kenneth #1

Job Ticket: 54813 **DST#: 1**

Test Start: 2013.09.22 @ 06:30:38

GENERAL INFORMATION:

Formation: **LKC C-F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:19:03
Time Test Ended: 13:14:02

Test Type: Conventional Bottom Hole (Initial)
Tester: Ray Schwager
Unit No: 70

Interval: 3450.00 ft (KB) To 3520.00 ft (KB) (TVD)
Total Depth: 3520.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

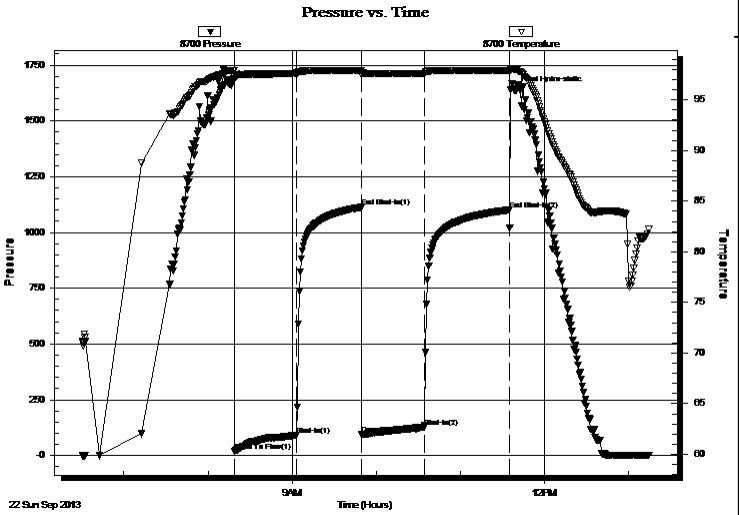
Reference Elevations: 2217.00 ft (KB)
2212.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8700 **Outside**

Press@RunDepth: 127.39 psig @ 3489.00 ft (KB)
Start Date: 2013.09.22 End Date: 2013.09.22
Start Time: 06:30:38 End Time: 13:14:02

Capacity: 8000.00 psig
Last Calib.: 2013.09.22
Time On Btm: 2013.09.22 @ 08:16:48
Time Off Btm: 2013.09.22 @ 11:38:17

TEST COMMENT: 45-IFP-wk to a gd bl 1/4" to 6 1/2" bl
45-ISIP-no bl
45-FFP-wk to a fr bl surface to 3 1/2" bl
60-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1660.40	97.89	Initial Hydro-static
3	20.41	97.25	Open To Flow (1)
47	90.59	97.60	Shut-In(1)
93	1113.16	97.91	End Shut-In(1)
93	95.65	97.52	Open To Flow (2)
138	127.39	97.62	Shut-In(2)
198	1101.19	97.88	End Shut-In(2)
202	1636.16	97.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MW w/show of oil	0.00
60.00	SOCWM 1%O49%W50%M	0.84
65.00	SOCWM 5%O10%W85%M	0.91

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

PO Box 723
Alma NE 68920-0723

ATTN: Jason Bach

9-2s-19w Phillips,KS

Kenneth #1

Job Ticket: 54813 **DST#: 1**

Test Start: 2013.09.22 @ 06:30:38

Tool Information

Drill Pipe:	Length:	3332.00 ft	Diameter:	3.80 inches	Volume:	46.74 bbl	Tool Weight:		2200.00 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:	120.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:		60000.00 lb
					Total Volume:	46.74 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		30.00 ft					String Weight:	Initial	48000.00 lb
Depth to Top Packer:		3450.00 ft						Final	50000.00 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	
Change Over Sub	1.00			3423.00		
Shut In Tool	5.00			3428.00		
Hydraulic tool	5.00			3433.00		
Jars	5.00			3438.00		
Safety Joint	2.00			3440.00		
Packer	5.00			3445.00	28.00	Bottom Of Top Packer
Packer	5.00			3450.00		
Stubb	1.00			3451.00		
Perforations	5.00			3456.00		
Blank Spacing	33.00			3489.00		
Recorder	0.00	8369	Inside	3489.00		
Recorder	0.00	8700	Outside	3489.00		
Perforations	28.00			3517.00		
Bullnose	3.00			3520.00	70.00	Bottom Packers & Anchor
Total Tool Length:	**98.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

PO Box 723
Alma NE 68920-0723

ATTN: Jason Bach

9-2s-19w Phillips,KS

Kenneth #1

Job Ticket: 54813 **DST#: 1**

Test Start: 2013.09.22 @ 06:30:38

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:	72000 ppm
Viscosity:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.38 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
120.00	MW w/show of oil	0.000
60.00	SOCWM 1%O49%W50%M	0.842
65.00	SOCWM 5%O10%W85%M	0.912

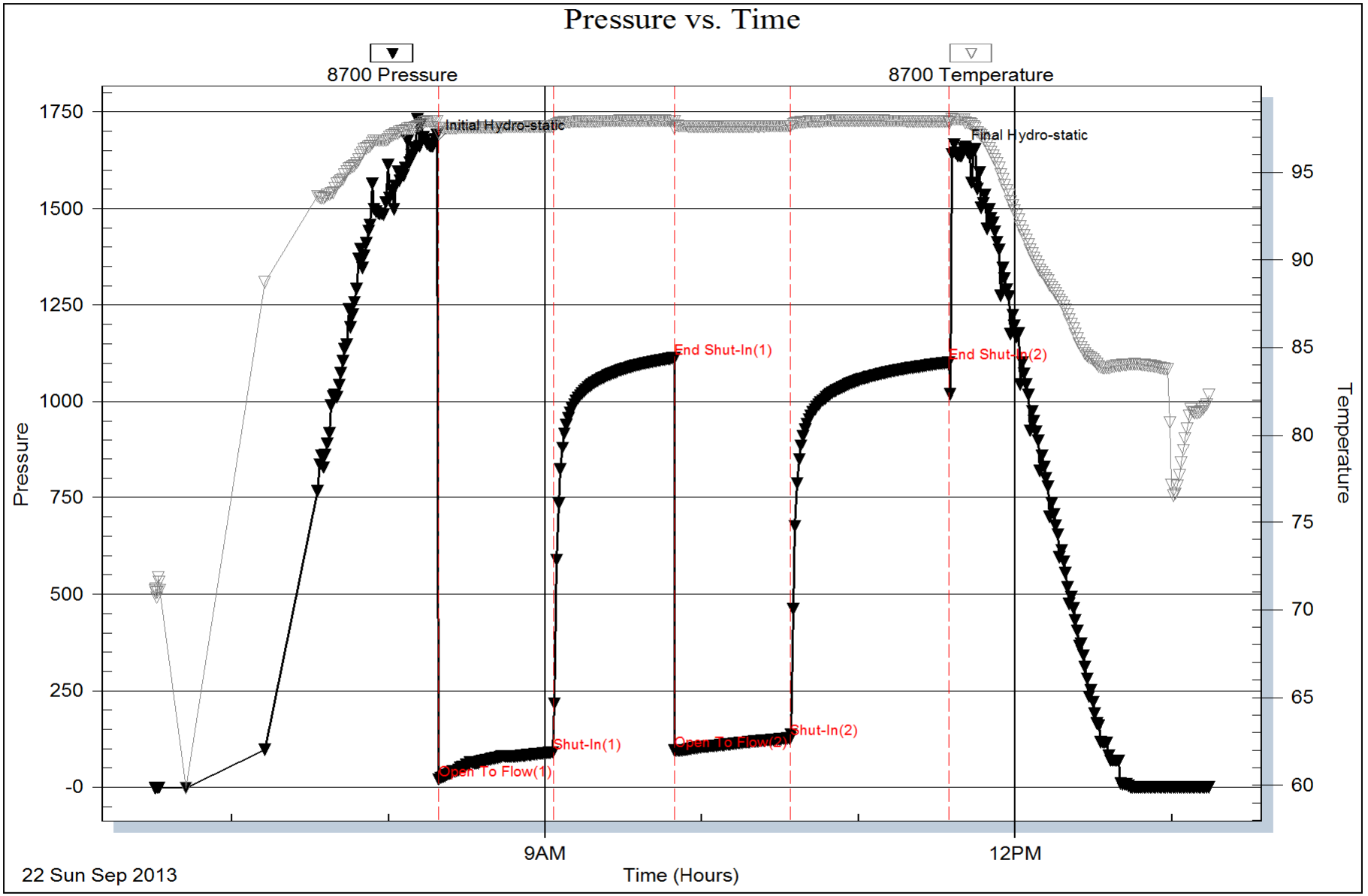
Total Length: 245.00 ft Total Volume: 1.754 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW .1 @ 75F

Serial #: 8700 **Outside** Bach Oil Production Kenneth #1 DST Test Number: 1



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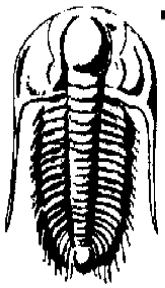


TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723
Alma NE 68920-0723

ATTN: Jason Bach

Kenneth #1

9-2s-19w Phillips,KS

Start Date: 2013.09.23 @ 06:50:52
End Date: 2013.09.23 @ 12:26:16
Job Ticket #: 54814 DST #: 2

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

Printed: 2013.09.23 @ 15:15:02

DRILL STEM TEST REPORT

Bach Oil Production

PO Box 723
Alma NE 68920-0723

ATTN: Jason Bach

9-2s-19w Phillips,KS

Kenneth #1

Job Ticket: 54814 **DST#: 2**

Test Start: 2013.09.23 @ 06:50:52

GENERAL INFORMATION:

Formation: **LKC**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:24:47
Time Test Ended: 12:26:16

Test Type: Conventional Bottom Hole (Reset)
Tester: Ray Schwager
Unit No: 70

Interval: 3570.00 ft (KB) To 3586.00 ft (KB) (TVD)
Total Depth: 3686.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

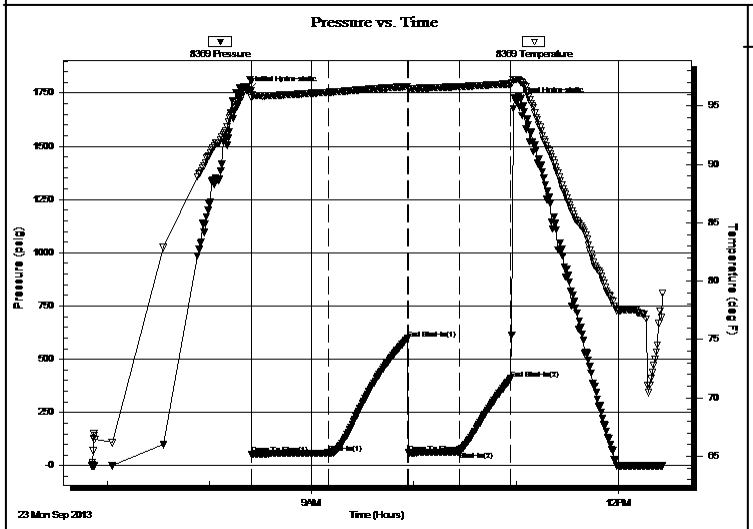
Reference Elevations: 2217.00 ft (KB)
2212.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8369 **Inside**

Press@RunDepth: 69.72 psig @ 3669.00 ft (KB)
Start Date: 2013.09.23 End Date: 2013.09.23
Start Time: 06:50:52 End Time: 12:26:16

Capacity: 8000.00 psig
Last Calib.: 2013.09.23
Time On Btm: 2013.09.23 @ 08:23:02
Time Off Btm: 2013.09.23 @ 11:00:17

TEST COMMENT: 45-IFP-w k bl thru-out 1/8" to surface bl
45-ISIP-no bl
30-FFP-no bl
30-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1761.79	96.33	Initial Hydro-static
2	54.04	95.69	Open To Flow (1)
47	60.20	96.18	Shut-In(1)
94	596.96	96.66	End Shut-In(1)
94	60.50	96.52	Open To Flow (2)
124	69.72	96.66	Shut-In(2)
154	408.21	96.90	End Shut-In(2)
158	1709.58	97.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCM 3%O97%M	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Bach Oil Production

PO Box 723
Alma NE 68920-0723

ATTN: Jason Bach

9-2s-19w Phillips,KS

Kenneth #1

Job Ticket: 54814 **DST#: 2**

Test Start: 2013.09.23 @ 06:50:52

GENERAL INFORMATION:

Formation: **LKC**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:24:47
Time Test Ended: 12:26:16

Test Type: Conventional Bottom Hole (Reset)
Tester: Ray Schwager
Unit No: 70

Interval: 3570.00 ft (KB) To 3586.00 ft (KB) (TVD)
Total Depth: 3686.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

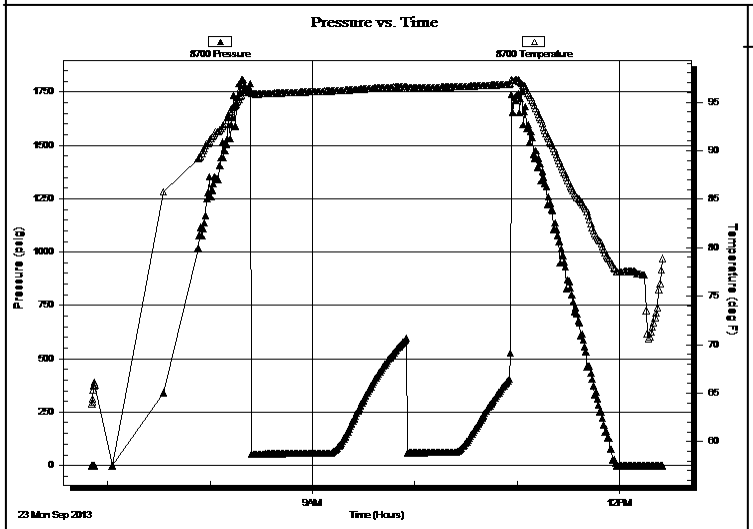
Reference Elevations: 2217.00 ft (KB)
2212.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8700 **Outside**

Press@RunDepth: psig @ 3669.00 ft (KB)
Start Date: 2013.09.23 End Date: 2013.09.23
Start Time: 06:50:47 End Time: 12:25:11

Capacity: 8000.00 psig
Last Calib.: 2013.09.23
Time On Btm:
Time Off Btm:

TEST COMMENT: 45-IFP-w k bl thru-out 1/8" to surface bl
45-ISIP-no bl
30-FFP-no bl
30-FSIP-no bl



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCM 3%O97%M	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

PO Box 723
Alma NE 68920-0723

ATTN: Jason Bach

9-2s-19w Phillips,KS

Kenneth #1

Job Ticket: 54814 **DST#: 2**

Test Start: 2013.09.23 @ 06:50:52

Tool Information

Drill Pipe:	Length:	3426.00 ft	Diameter:	3.80 inches	Volume:	48.06 bbl	Tool Weight:		2200.00 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:	120.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:		65000.00 lb
					Total Volume:	48.06 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		4.00 ft					String Weight:	Initial	50000.00 lb
Depth to Top Packer:		3570.00 ft						Final	50000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		116.00 ft							
Tool Length:		144.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3543.00		
Shut In Tool	5.00			3548.00		
Hydraulic tool	5.00			3553.00		
Jars	5.00			3558.00		
Safety Joint	2.00			3560.00		
Packer	5.00			3565.00	28.00	Bottom Of Top Packer
Packer	5.00			3570.00		
Stubb	1.00			3571.00		
Perforations	3.00			3574.00		
Blank Spacing	95.00			3669.00		
Recorder	0.00	8369	Inside	3669.00		
Recorder	0.00	8700	Outside	3669.00		
Perforations	14.00			3683.00		
Bullnose	3.00			3686.00	116.00	Bottom Packers & Anchor
Total Tool Length:	**144.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

PO Box 723
Alma NE 68920-0723

ATTN: Jason Bach

9-2s-19w Phillips,KS

Kenneth #1

Job Ticket: 54814 **DST#: 2**

Test Start: 2013.09.23 @ 06:50:52

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:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.77 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
5.00	SOCM 3%O97%M	0.000

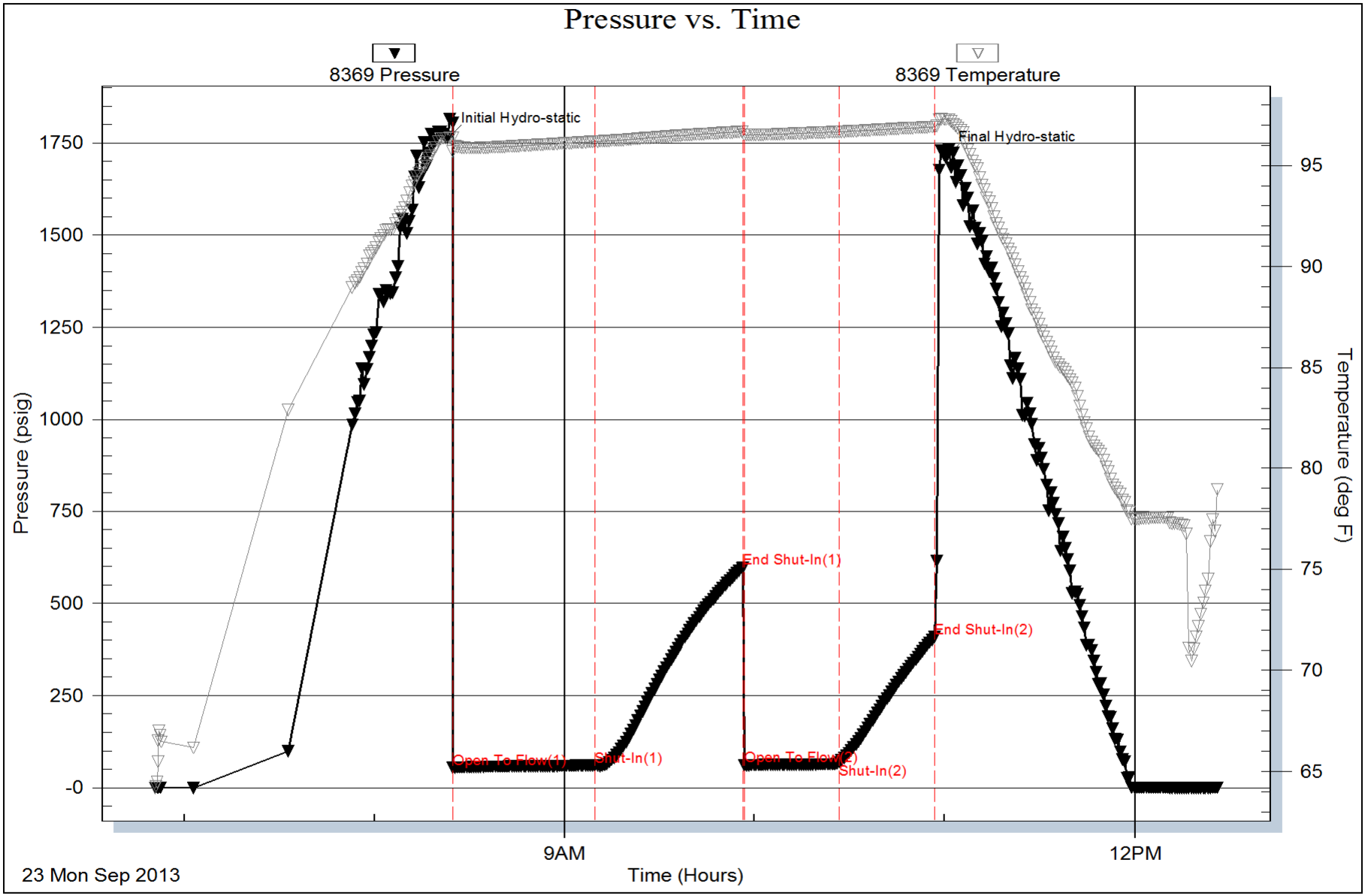
Total Length: 5.00 ft Total Volume: bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

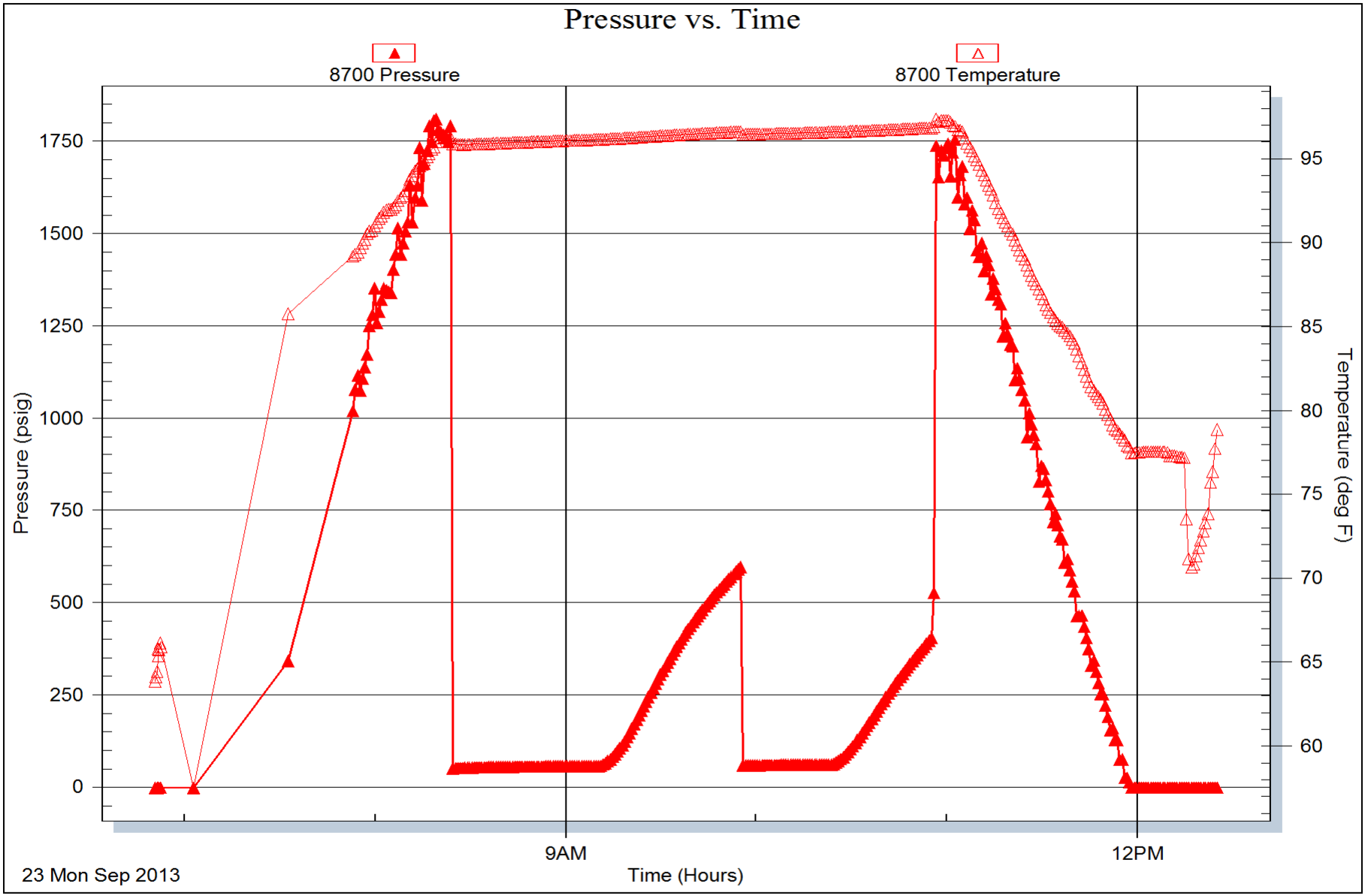
Recovery Comments:

Serial #: 8369 **Inside** Bach Oil Production Kenneth #1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 54814 Printed: 2013.09.23 @ 15:15:03

Serial #: 8700 **Outside** Bach Oil Production Kenneth #1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 54814 Printed: 2013.09.23 @ 15:15:04

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 54813

Well Name & No. Kenneth #1 Test No. 1 Date 9-22-13

Company Back Oil Production Elevation 2217 KB 2212 GL

Address PO Box 723 Alma, NE. 68920-0723

Co. Rep / Geo. Bob Peterson Rig Murfin rig 24

Location: Sec. 9 Twp. 2S Rge. 19W Co. Phillips State Ks

Interval Tested 3450-3520 Zone Tested LKC C-F

Anchor Length 70 Drill Pipe Run 3332 Mud Wt. 9.2

Top Packer Depth 3445 Drill Collars Run 120 Vis 52

Bottom Packer Depth 3450 Wt. Pipe Run — WL 6.4

Total Depth 3520 Chlorides 500 ppm System LCM 2#

Blow Description IFP - Weak To A Good Blow, ¼" To 6½" Blow
ISIP - No Blow
FFP - Weak To A Fair Blow, surface To 3½" Blow
FSIP - No Blow

Rec 65	Feet of 50 CWM	%gas 5	%oil 10	%water 85	%mud	
Rec 60	Feet of 50 CWM	%gas 1	%oil 49	%water 50	%mud	
Rec 120	Feet of MW w/show of oil	%gas	%oil 80	%water 20	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	

Rec Total 245 BHT — Gravity — API RW .1 @ 75 °F Chlorides 72000 ppm

(A) Initial Hydrostatic 1660	☑ Test 1150	T-On Location 0525	
(B) First Initial Flow 20	☑ Jars 250	T-Started 0630	
(C) First Final Flow 90	☑ Safety Joint 75	T-Open 0820	
(D) Initial Shut-In 1113	☐ Circ Sub	T-Pulled 1135	
(E) Second Initial Flow 95	☐ Hourly Standby	T-Out 1314	
(F) Second Final Flow 127	☑ Mileage 168 RT 124rt 192.20	Comments Motel	
(G) Final Shut-In 1101	☐ Sampler		
(H) Final Hydrostatic 1636	☐ Straddle	☐ Ruined Shale Packer	
	☐ Shale Packer	☐ Ruined Packer	
Initial Open 45	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In 45	☐ Extra Recorder	Sub Total 0	
Final Flow 45	☐ Day Standby	Total 1667.20	
Final Shut-In 60	☐ Accessibility	MP/DST Disc't	
	Sub Total 1667.20		

Approved By Our Representative Ray Schwager Thank you

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.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 54814

Well Name & No. Kenneth #1 Test No. 2 Date 9-23-13

Company Bach Oil Production Elevation 2217 KB 2212 GL

Address Po Box 723 Alma, NE 68920-0723

Co. Rep / Geo. Bob Peterson Rig Murfin rig 24

Location: Sec. 9 Twp. 2S Rge. 19W Co. Phillips State Ks

Interval Tested 3570-3686 Zone Tested LKC

Anchor Length 116 Drill Pipe Run 3426 Mud Wt. 9.1

Top Packer Depth 3565 Drill Collars Run 120 Vis 51

Bottom Packer Depth 3570 Wt. Pipe Run — WL 8.8

Total Depth 3686 Chlorides 1000 ppm System LCM 2#

Blow Description IFP - Weak Blow thru-out 1/8" To surface Blow

ISIP - No Blow

FFP - No Blow

FSIP - No Blow

Rec 5	Feet of 50cm	%gas	3 %oil	%water	97 %mud	
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 5 BHT 97° Gravity — API RW — @ —°F Chlorides — ppm

(A) Initial Hydrostatic 1761	☑ Test 1150	T-On Location 0620	
(B) First Initial Flow 54	☑ Jars 250	T-Started 0650	
(C) First Final Flow 60	☑ Safety Joint 75	T-Open 0820	
(D) Initial Shut-In 596	☐ Circ Sub	T-Pulled 1050	
(E) Second Initial Flow 60	☐ Hourly Standby	T-Out 1226	
(F) Second Final Flow 69	☑ Mileage 192.20	Comments	
(G) Final Shut-In 408	☐ Sampler		
(H) Final Hydrostatic 1709	☐ Straddle	☐ Ruined Shale Packer	
	☐ Shale Packer	☐ Ruined Packer	
Initial Open 45	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In 45	☐ Extra Recorder	Sub Total 0	
Final Flow 30	☐ Day Standby	Total 1667.20	
Final Shut-In 30	☐ Accessibility	MP/DST Disc't	
	Sub Total 1667.20		

Approved By Our Representative Ray Schwager Thank you