



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1183005
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: _____

1183005

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <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	Sherlyn 1
Doc ID	1183005

Tops

Name	Top	Datum
Stone Corral	1793	+437
Base Stone Corral	1808	+422
Topeka	3142	-912
Heebner	3355	-1125
Toronto	3384	-1154
Lansing	3403	-1173
Muncie Creek	3511	-1281
Stark	3576	-1346
Base Kansas City	3614	-1384
Arbuckle	3762	-1532



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 139117
Invoice Date: Oct 8, 2013
Page: 1

Bill To:

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

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Bach	54735	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-03	Russell	Oct 8, 2013	11/7/13

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Sherlyn #1	17.90	2,899.80
162.00	CEMENT MATERIALS	Class A Common	9.35	1,009.80
108.00	CEMENT MATERIALS	Pozmix	23.40	217.39
9.29	CEMENT MATERIALS	Gel	2.97	148.50
50.00	CEMENT MATERIALS	Flo Seal	2.48	716.27
288.82	CEMENT SERVICE	Pump Truck Mileage	2.60	1,572.92
604.97	CEMENT SERVICE	Ton Mileage	2,600.47	2,600.47
1.00	CEMENT SERVICE	Rotary Plug	7.70	385.00
50.00	CEMENT SERVICE	Pump Truck Mileage	4.40	220.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	64.80	64.80
1.00	EQUIPMENT SALES	8-5/8 Wiper Plug		
1.00	CEMENT SUPERVISOR	Glenn Ginther		
1.00	EQUIPMENT OPERATOR	Woody O'Neil		
1.00	OPERATOR ASSISTANT	Joe Goodson		

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

\$ 2,442.54

ONLY IF PAID ON OR BEFORE
Nov 2, 2013

Subtotal	9,834.95
Sales Tax	654.02
Total Invoice Amount	10,488.97
Payment/Credit Applied	
TOTAL	10,488.97

ALLIED OIL & GAS SERVICES, LLC 054735

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

*Russell, KS
10-9-13*

DATE <u>10-8-13</u>	SEC. <u>10</u>	TWP. <u>2 S</u>	RANGE <u>19 W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>11:35 AM</u>
LEASE <u>SHERLYN</u>	WELL # <u>1</u>	LOCATION <u>Phillips Burg, KS</u>			COUNTY <u>Phillips</u>	STATE <u>KANSAS</u>	
OLD OR NEW (Circle one)		<u>10 N 6 1/2 W V4S</u>					

CONTRACTOR MURFIN DRIG Rig # 24

TYPE OF JOB Rotary Plug

HOLE SIZE 7 7/8 T.D. 3780

CASING SIZE 8 5/8 SURFACE DEPTH 221

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER ~~XXX~~

CEMENT AMOUNT ORDERED 270 SX 40 4% GEL
1/4 # F10-SEAL

COMMON	162	@	17.90	2899.80
POZMIX	108	@	9.35	1009.80
GEL	9.29	@	23.40	217.39
CHLORIDE		@		
ASC		@		
<u>Flt</u>	<u>2 sk 50"</u>	@	<u>2.97</u>	<u>148.50</u>
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>288.82 SP</u>	@	<u>2.48</u>	<u>716.27</u>
MILEAGE	<u>604.975</u>	<u>4/m</u>	<u>2.60</u>	<u>1572.94</u>
				TOTAL <u>6564.69</u>

EQUIPMENT

PUMP TRUCK CEMENTER Gilena G.

417 HELPER Woody O.

BULK TRUCK

481 DRIVER Joe G.

BULK TRUCK

_____ DRIVER _____

REMARKS:

50 SX @ 3736

25 SX @ 1810

100 SX @ 1225

40 SX @ 270

10 SX @ 40' + WIPER

30 SX @ Rat Hole

15 SX @ mouse hole

CHARGE TO: Bach Oil Production

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE:

DEPTH OF JOB			<u>3736</u>	
PUMP TRUCK CHARGE			<u>2600.47</u>	
EXTRA FOOTAGE	@			
MILEAGE	<u>50</u>	<u>LVMI</u>	@	<u>7.70</u>
MANIFOLD			@	
	<u>50</u>	<u>LVMI</u>	@	<u>4.40</u>
			@	
				TOTAL <u>3205.47</u>

PLUG & FLOAT EQUIPMENT

<u>8 5/8 Wiper Plug</u>	@	<u>64.80</u>	<u>64.80</u>	
	@			
	@			
	@			
	@			
				TOTAL <u>64.80</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

SALES TAX (If Any) _____

TOTAL CHARGES 9834.96

DISCOUNT 2442.54 IF PAID IN 30 DAYS

Net # 7392.42



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 138987
Invoice Date: Oct 3, 2013
Page: 1

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

Now Includes:



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

Customer ID	Field Ticket #	Payment Terms	
Bach	54798	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Russell	Oct 3, 2013	11/2/13

Quantity	Item	Description	Unit Price	Amount
		Sherlyn #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	Robert Yakubovich		
1.00	EQUIPMENT OPERATOR	Woody O'Neil		
1.00	OPERATOR ASSISTANT	Danny Sinner		

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

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 28, 2013

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

BACH OIL PRODUCTION

WELL: SHERLYN #1

LOC.: 1300' FNL & 2300' FEL
SEC. 10-2-19W
PHILLIPS COUNTY, KANSAS
API: 15-147-20723-00-00

DRILLING CONTR.: MURFIN RIG #24
SPUD: 10-03-13 COMP: 10-08-13
MUD UP: 2800' TYPE MUD: CHEM.
DRILL TIME: 3050' TO RTD
RTD: 3780' LTD: 3780'
SAMPLES SAVED: 3050'-RTD
GEOLOGIST: ROBERT J. PETERSEN

ELEVATION

KB: 2230
GL: 2225
LOG MEASURED FROM: KB

SURFACE CASING

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

PRODUCTION CASING

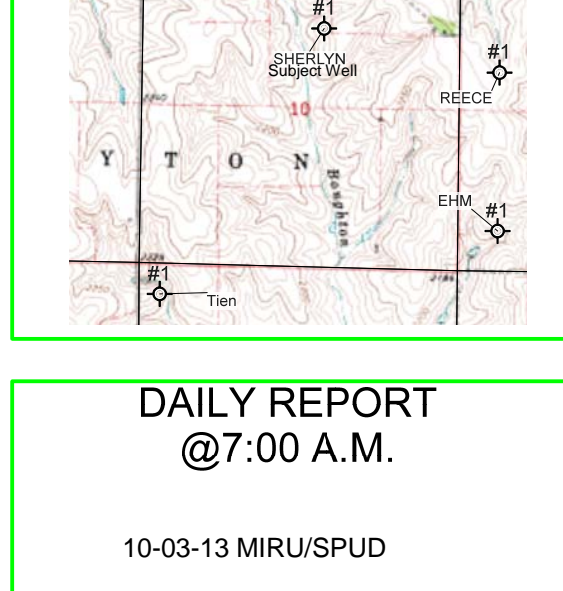
D&A

WELL LOG SURVEYS

Compensated Density
Dual Induction
Micro

ELECTRIC LOG TOPS

FORMATION	DEPTH	DATUM	POSITION
Stone Corral	1793	+437	-8
Base Stone Corral	1808	+422	-5
Topeka	3142	-912	-12
Heebner	3355	-1125	-12
Toronto	3384	-1154	-11
Lansing	3403	-1173	-12
Muncie Creek	3511	-1281	-12
Stark	3576	-1346	-13
Base Kansas City	3614	-1384	-11
Arbuckle	3762	-1532	-24



REFERENCE WELL:

Bach
Kauk-Kats#1
200' FSL & 800' FEL
3-2-19W

REMARKS AND RECOMMENDATIONS

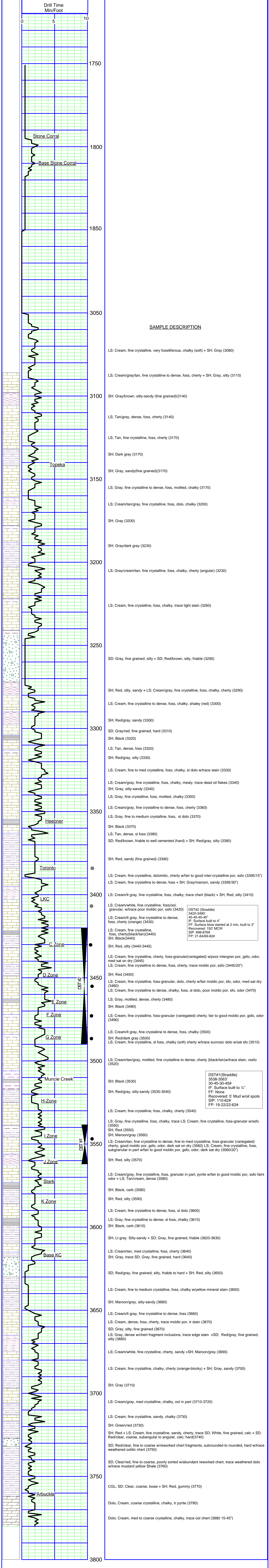
Production casing was plugged and abandoned by the operator.
Respectfully submitted,

Robert J. Petersen
Robert J. Petersen

DAILY REPORT

@7:00 A.M.

- 10-03-13 MIRU/SPUD
- 10-04-13 445' Drilling
- 10-05-13 2215' Drilling
- 10-06-13 3180'
- 10-07-13 3483'
- 10-08-13 3780' RTD DST#1





DRILL STEM TEST REPORT

Prepared For: **Bach Oil Productions**

PO Box 723
Alma NE 68920

ATTN: Bob Petersen

Sherlyn #1

10-2s-19w Phillips KS

Start Date: 2013.10.08 @ 02:48:00

End Date: 2013.10.08 @ 08:55:09

Job Ticket #: 55132 DST #: 1

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

Printed: 2013.10.09 @ 11:20:39



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Bach Oil Productions

10-2s-19w Phillips KS

PO Box 723
Alma NE 68920

Sherlyn #1

Job Ticket: 55132

DST#: 1

ATTN: Bob Petersen

Test Start: 2013.10.08 @ 02:48:00

GENERAL INFORMATION:

Formation: **LKC " I "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:33:20

Time Test Ended: 08:55:09

Test Type: Conventional Straddle (Initial)

Tester: Ryan Nichols / Royal

Unit No: 41

Interval: 3538.00 ft (KB) To 3563.00 ft (KB) (TVD)

Reference Elevations: 2230.00 ft (KB)

Total Depth: 3780.00 ft (KB) (TVD)

2225.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8322 Outside

Press @ RunDepth: 22.24 psig @ 3539.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.08

End Date:

2013.10.08

Last Calib.: 2013.10.08

Start Time: 02:48:01

End Time:

08:55:10

Time On Btm: 2013.10.08 @ 04:33:10

Time Off Btm: 2013.10.08 @ 07:04:20

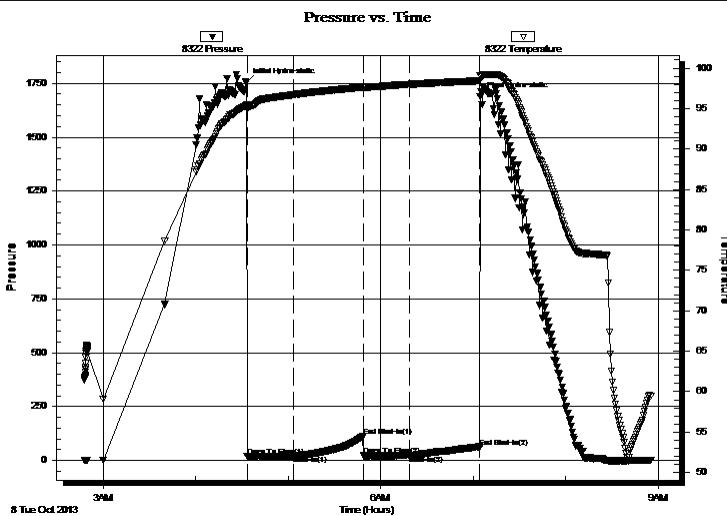
TEST COMMENT: 30 IF - Surface blow built to 1/4"

45 ISI - No return

30 FF - No blow

45 FSI - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1754.69	95.51	Initial Hydro-static
1	19.02	94.95	Open To Flow (1)
31	21.51	96.70	Shut-In(1)
76	110.33	97.62	End Shut-In(1)
76	21.80	97.60	Open To Flow (2)
106	22.24	98.00	Shut-In(2)
151	61.79	98.43	End Shut-In(2)
152	1687.47	99.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w/oil spots	0.02

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bach Oil Productions

10-2s-19w Phillips KS

PO Box 723
Alma NE 68920

Sherlyn #1

Job Ticket: 55132

DST#: 1

ATTN: Bob Petersen

Test Start: 2013.10.08 @ 02:48:00

GENERAL INFORMATION:

Formation: **LKC " I "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:33:20

Time Test Ended: 08:55:09

Test Type: Conventional Straddle (Initial)

Tester: Ryan Nichols / Royal

Unit No: 41

Interval: 3538.00 ft (KB) To 3563.00 ft (KB) (TVD)

Reference Elevations: 2230.00 ft (KB)

Total Depth: 3780.00 ft (KB) (TVD)

2225.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752 Inside

Press @ Run Depth: psig @ 3539.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.08

End Date:

2013.10.08

Last Calib.:

2013.10.08

Start Time: 02:48:01

End Time:

08:54:30

Time On Btm:

Time Off Btm:

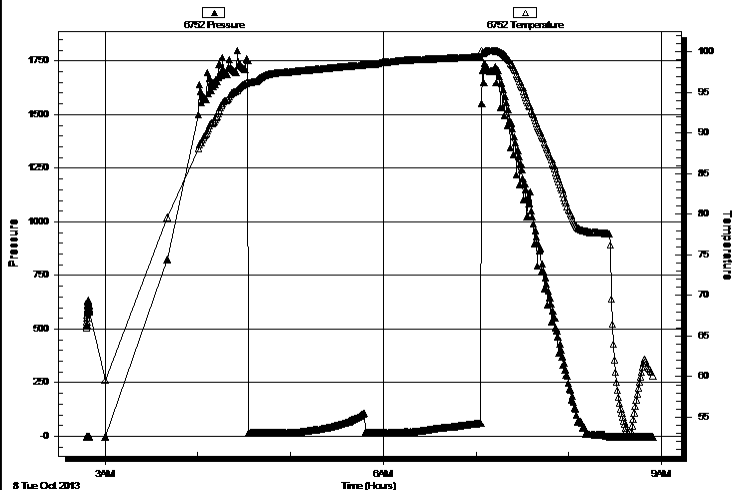
TEST COMMENT: 30 IF - Surface blow built to 1/4"

45 ISI - No return

30 FF - No blow

45 FSI - No return

Pressure vs. Time



PRESSURE SUMMARY

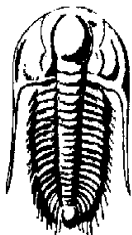
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w/oil spots	0.02

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bach Oil Productions

10-2s-19w Phillips KS

PO Box 723
Alma NE 68920

Sherlyn #1

ATTN: Bob Petersen

Job Ticket: 55132

DST#: 1

Test Start: 2013.10.08 @ 02:48:00

GENERAL INFORMATION:

Formation: **LKC "I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:33:20

Time Test Ended: 08:55:09

Test Type: Conventional Straddle (Initial)

Tester: Ryan Nichols / Royal

Unit No: 41

Interval: 3538.00 ft (KB) To 3563.00 ft (KB) (TVD)

Total Depth: 3780.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2230.00 ft (KB)

2225.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8734 Below (Straddle)

Press @ RunDepth: psig @ 3775.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.08 End Date: 2013.10.08

Last Calib.: 2013.10.08

Start Time: 02:48:01 End Time: 08:54:50

Time On Btm:

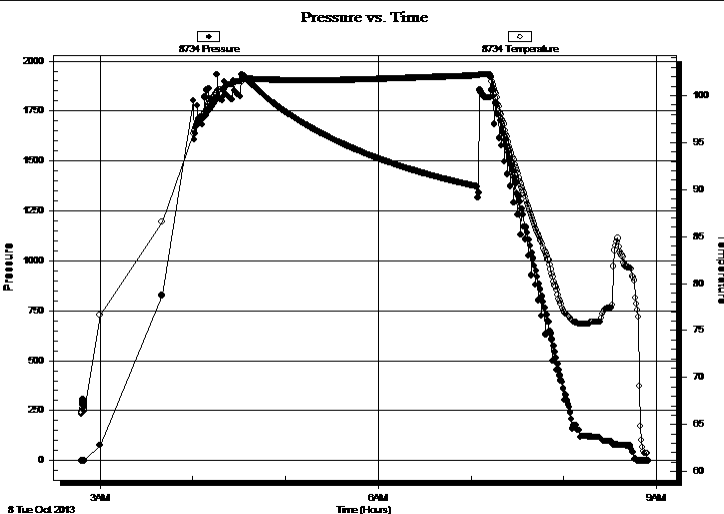
Time Off Btm:

TEST COMMENT: 30 IF - Surface blow built to 1/4"

45 ISI - No return

30 FF - No blow

45 FSI - No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w/oil spots	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Productions

10-2s-19w Phillips KS

PO Box 723
Alma NE 68920

Sherlyn #1

Job Ticket: 55132

DST#: 1

ATTN: Bob Petersen

Test Start: 2013.10.08 @ 02:48:00

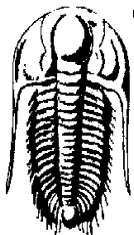
Tool Information

Drill Pipe:	Length: 3416.00 ft	Diameter: 3.80 inches	Volume: 47.92 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: 116.00 ft	Diameter: 2.25 inches	Volume: 0.57 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: 48.49 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3538.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	3581.00 ft			
Interval between Packers:	43.00 ft			
Tool Length:	290.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3512.00	
Shut In Tool	5.00			3517.00	
Hydraulic tool	5.00			3522.00	
Jars	5.00			3527.00	
Safety Joint	2.00			3529.00	
Packer	5.00			3534.00	27.00 Bottom Of Top Packer
Packer	4.00			3538.00	
Stubb	1.00			3539.00	
Recorder	0.00	6752	Inside	3539.00	
Recorder	0.00	8322	Outside	3539.00	
Perforations	4.00			3543.00	
Blank Spacing	33.00			3576.00	
Blank Off Sub	1.00			3577.00	
Blank Spacing	4.00			3581.00	43.00 Tool Interval
Packer	4.00			3585.00	
Stubb	1.00			3586.00	
Change Over Sub	1.00			3587.00	
Drill Pipe	187.00			3774.00	
Change Over Sub	1.00			3775.00	
Recorder	0.00	8734	Below	3775.00	
Perforations	23.00			3798.00	
Bullnose	3.00			3801.00	220.00 Bottom Packers & Anchor
Total Tool Length:	290.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Productions

10-2s-19w Phillips KS

PO Box 723
Alma NE 68920

Sherlyn #1

Job Ticket: 55132

DST#: 1

ATTN: Bob Petersen

Test Start: 2013.10.08 @ 02:48:00

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: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 250.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud w /oil spots	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

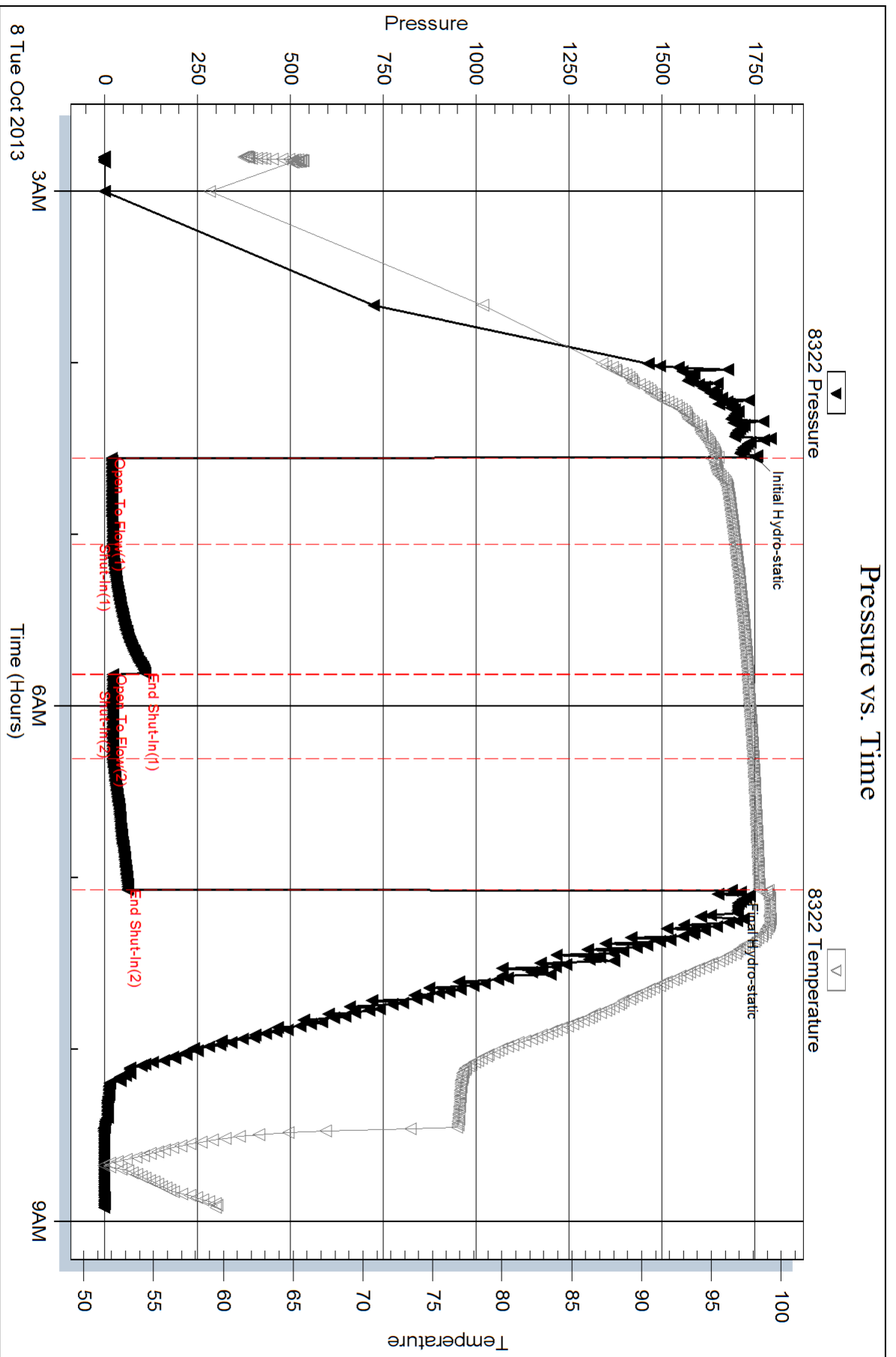
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



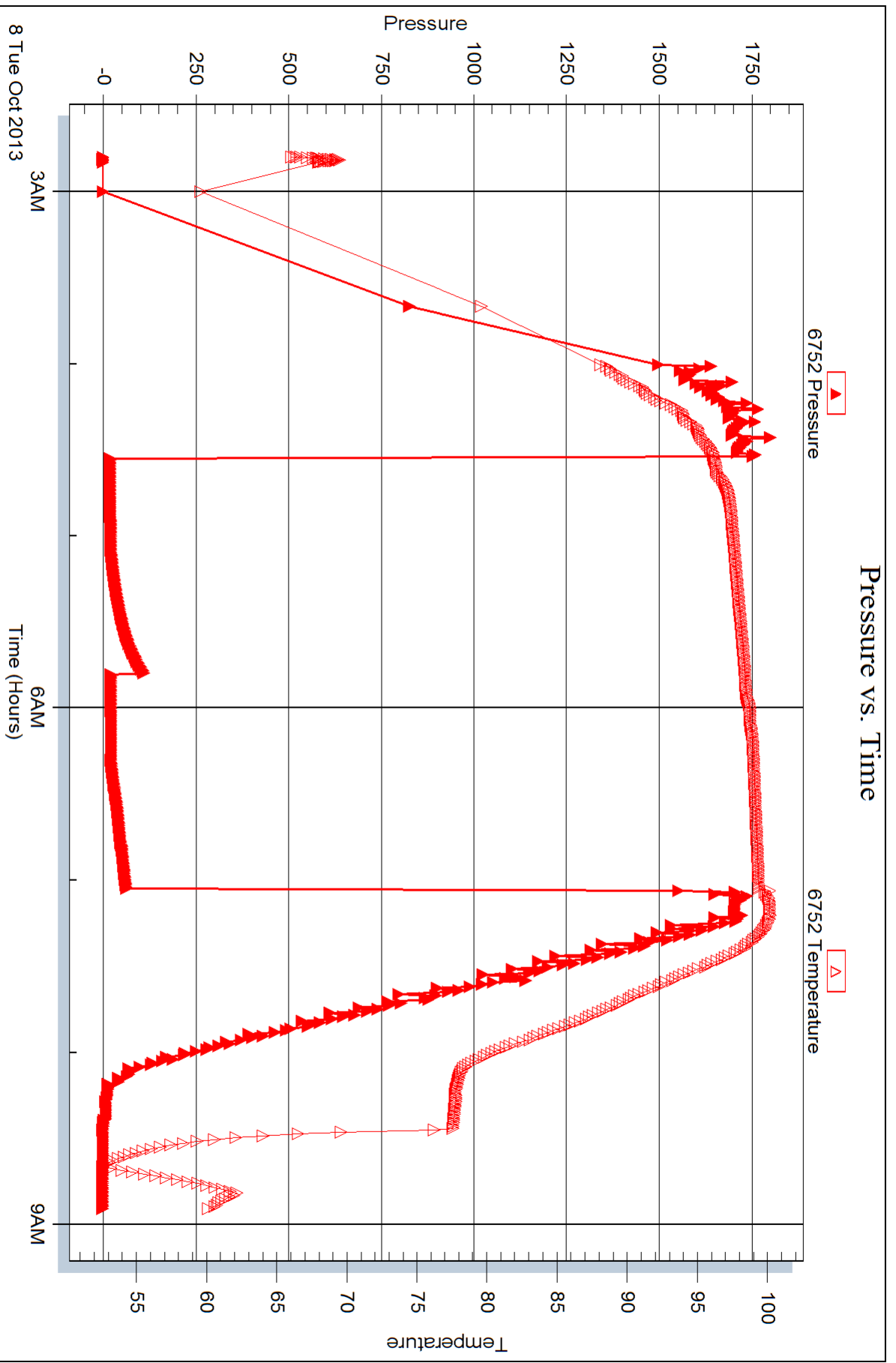
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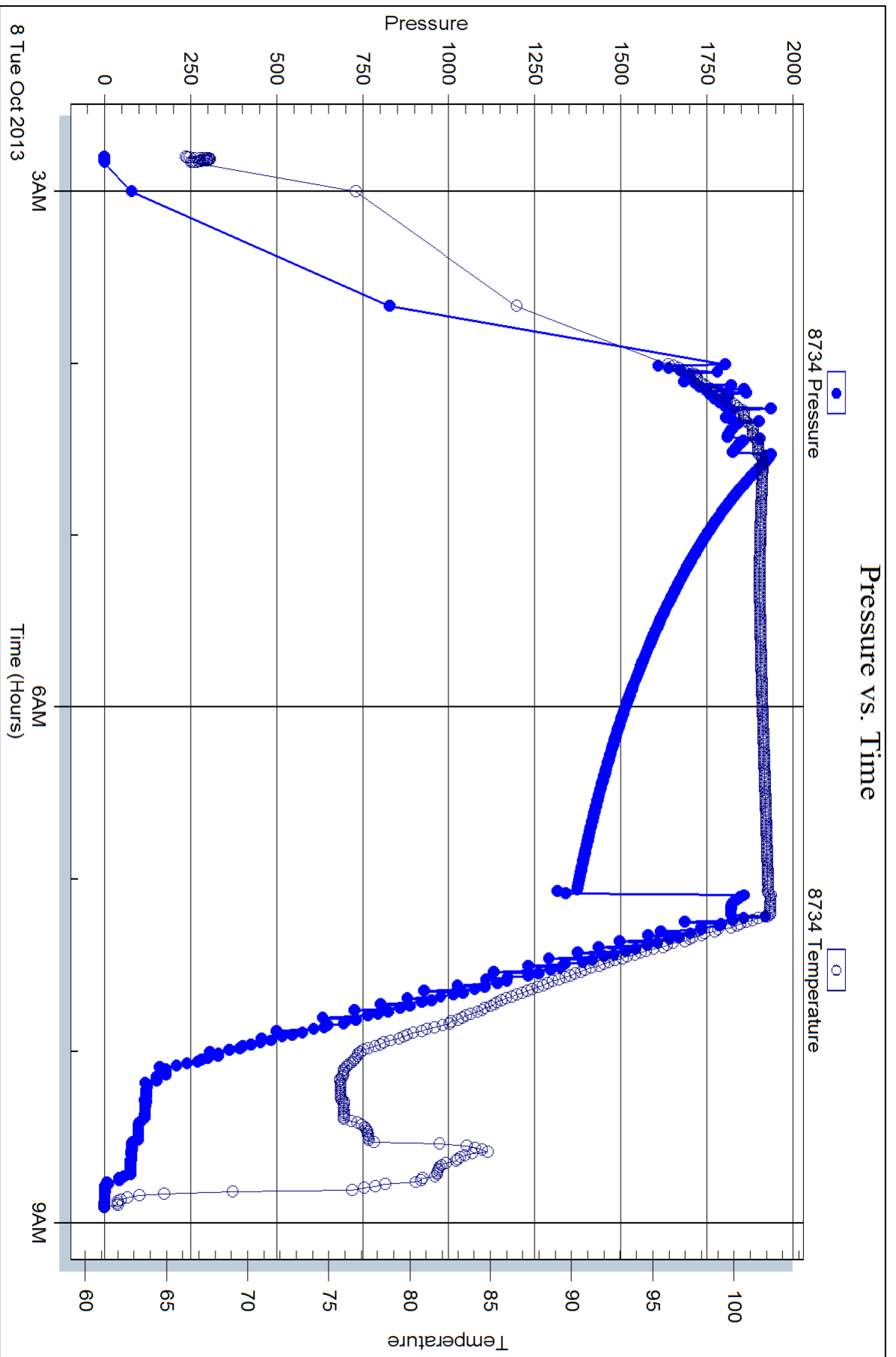
Inside

Bach Oil Productions

Sherlyn #1

DST Test Number: 1







DRILL STEM TEST REPORT

Prepared For: **Bach Oil Productions**

PO Box 723
Alma NE 68920

ATTN: Bob Petersen

Sherlyn #1

10-2s-19w Phillips KS

Start Date: 2013.10.08 @ 09:33:00

End Date: 2013.10.08 @ 16:32:09

Job Ticket #: 55133 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.09 @ 11:19:52



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Bach Oil Productions

10-2s-19w Phillips KS

PO Box 723
Alma NE 68920

Sherlyn #1

Job Ticket: 55133

DST#: 2

ATTN: Bob Petersen

Test Start: 2013.10.08 @ 09:33:00

GENERAL INFORMATION:

Formation: **LKC " C - F "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:22:00

Time Test Ended: 16:32:09

Test Type: Conventional Straddle (Reset)

Tester: Ryan Nichols / Royal

Unit No: 41

Interval: 3420.00 ft (KB) To 3490.00 ft (KB) (TVD)

Total Depth: 3780.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2230.00 ft (KB)

2225.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8322 Outside

Press @ RunDepth: 82.39 psig @ 3421.00 ft (KB)

Start Date: 2013.10.08

End Date: 2013.10.08

Start Time: 09:33:01

End Time: 16:32:10

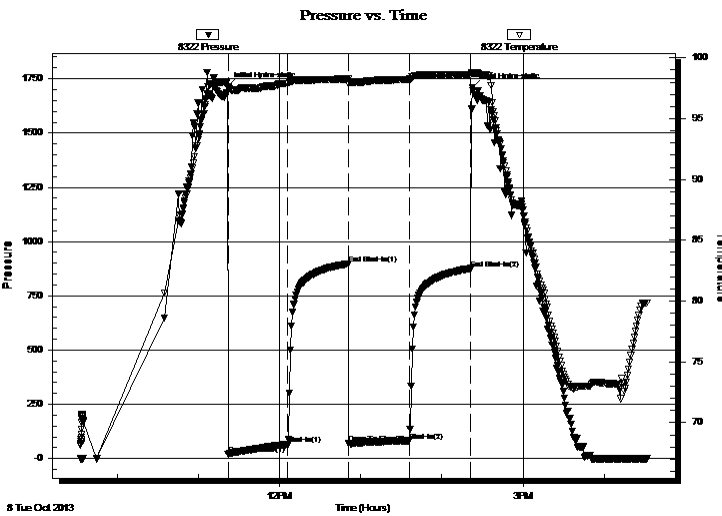
Capacity: 8000.00 psig

Last Calib.: 2013.10.08

Time On Btm: 2013.10.08 @ 11:21:40

Time Off Btm: 2013.10.08 @ 14:22:39

TEST COMMENT: 45 IF - Surface blow built to 4"
45 ISI - No return
45 FF - Surface blow started @ 2 mins built to 3"
45 FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1715.55	98.05	Initial Hydro-static
1	21.27	97.58	Open To Flow (1)
45	64.42	97.89	Shut-In(1)
90	897.88	98.25	End Shut-In(1)
90	69.21	97.83	Open To Flow (2)
135	82.39	98.22	Shut-In(2)
180	876.17	98.62	End Shut-In(2)
181	1710.93	98.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	MCW - 50%M - 50%W	1.05

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bach Oil Productions

10-2s-19w Phillips KS

PO Box 723
Alma NE 68920

Sherlyn #1

Job Ticket: 55133

DST#: 2

ATTN: Bob Petersen

Test Start: 2013.10.08 @ 09:33:00

GENERAL INFORMATION:

Formation: **LKC " C - F "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:22:00

Time Test Ended: 16:32:09

Test Type: Conventional Straddle (Reset)

Tester: Ryan Nichols / Royal

Unit No: 41

Interval: 3420.00 ft (KB) To 3490.00 ft (KB) (TVD)

Reference Elevations: 2230.00 ft (KB)

Total Depth: 3780.00 ft (KB) (TVD)

2225.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752 Inside

Press @ Run Depth: psig @ 3421.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.08 End Date: 2013.10.08

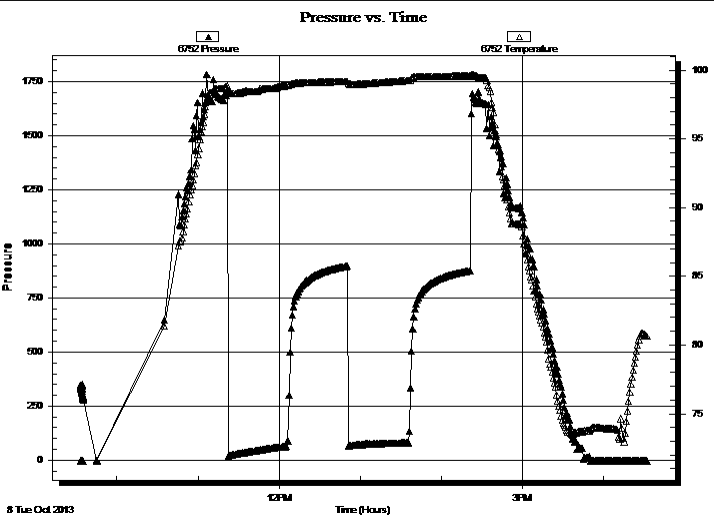
Last Calib.: 2013.10.08

Start Time: 09:33:01 End Time: 16:32:20

Time On Btm:

Time Off Btm:

TEST COMMENT: 45 IF - Surface blow built to 4"
45 ISI - No return
45 FF - Surface blow started @ 2 mins built to 3"
45 FSI - No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
150.00	MCW - 50%M - 50%W	1.05

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Bach Oil Productions

10-2s-19w Phillips KS

PO Box 723
Alma NE 68920

Sherlyn #1

Job Ticket: 55133

DST#: 2

ATTN: Bob Petersen

Test Start: 2013.10.08 @ 09:33:00

GENERAL INFORMATION:

Formation: **LKC " C - F "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:22:00

Time Test Ended: 16:32:09

Interval: 3420.00 ft (KB) To 3490.00 ft (KB) (TVD)

Total Depth: 3780.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Straddle (Reset)

Tester: Ryan Nichols / Royal

Unit No: 41

Reference Elevations: 2230.00 ft (KB)

2225.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8734 Below (Straddle)

Press @ Run Depth: psig @ 3776.00 ft (KB)

Start Date: 2013.10.08

End Date: 2013.10.08

Start Time: 09:33:01

End Time: 16:47:10

Capacity: 8000.00 psig

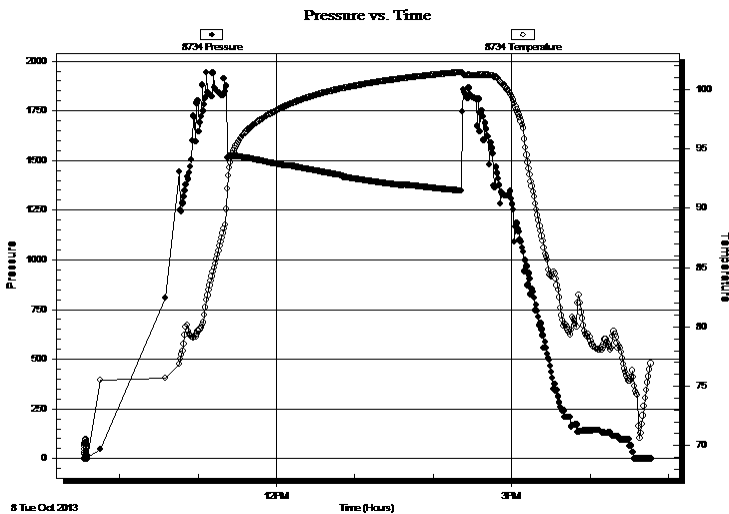
Last Calib.: 2013.10.08

Time On Btm:

Time Off Btm:

TEST COMMENT: 45 IF - Surface blow built to 4"
45 ISI - No return
45 FF - Surface blow started @ 2 mins built to 3"
45 FSI - No return

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
150.00	MCW - 50%M - 50%W	1.05

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Productions

10-2s-19w Phillips KS

PO Box 723
Alma NE 68920

Sherlyn #1

Job Ticket: 55133

DST#: 2

ATTN: Bob Petersen

Test Start: 2013.10.08 @ 09:33:00

Tool Information

Drill Pipe:	Length: 3304.00 ft	Diameter: 3.80 inches	Volume: 46.35 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: 116.00 ft	Diameter: 2.25 inches	Volume: 0.57 bbl	Weight to Pull Loose: 560000.0 lb
			<u>Total Volume: 46.92 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3420.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	3490.00 ft			
Interval between Packers:	70.00 ft			
Tool Length:	390.00 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			3394.00	
Shut In Tool	5.00			3399.00	
Hydraulic tool	5.00			3404.00	
Jars	5.00			3409.00	
Safety Joint	2.00			3411.00	
Packer	5.00			3416.00	27.00 Bottom Of Top Packer
Packer	4.00			3420.00	
Stubb	1.00			3421.00	
Recorder	0.00	6752	Inside	3421.00	
Recorder	0.00	8322	Outside	3421.00	
Perforations	31.00			3452.00	
Blank Spacing	33.00			3485.00	
Blank Off Sub	1.00			3486.00	
Blank Spacing	4.00			3490.00	70.00 Tool Interval
Packer	4.00			3494.00	
Stubb	1.00			3495.00	
Change Over Sub	1.00			3496.00	
Drill Pipe	279.00			3775.00	
Change Over Sub	1.00			3776.00	
Recorder	0.00	8734	Below	3776.00	
Perforations	4.00			3780.00	
Bullnose	3.00			3783.00	293.00 Bottom Packers & Anchor

Total Tool Length: 390.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Productions

10-2s-19w Phillips KS

PO Box 723
Alma NE 68920

Sherlyn #1

Job Ticket: 55133

DST#: 2

ATTN: Bob Petersen

Test Start: 2013.10.08 @ 09:33:00

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: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 250.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	MCW - 50%M - 50%W	1.047

Total Length: 150.00 ft Total Volume: 1.047 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

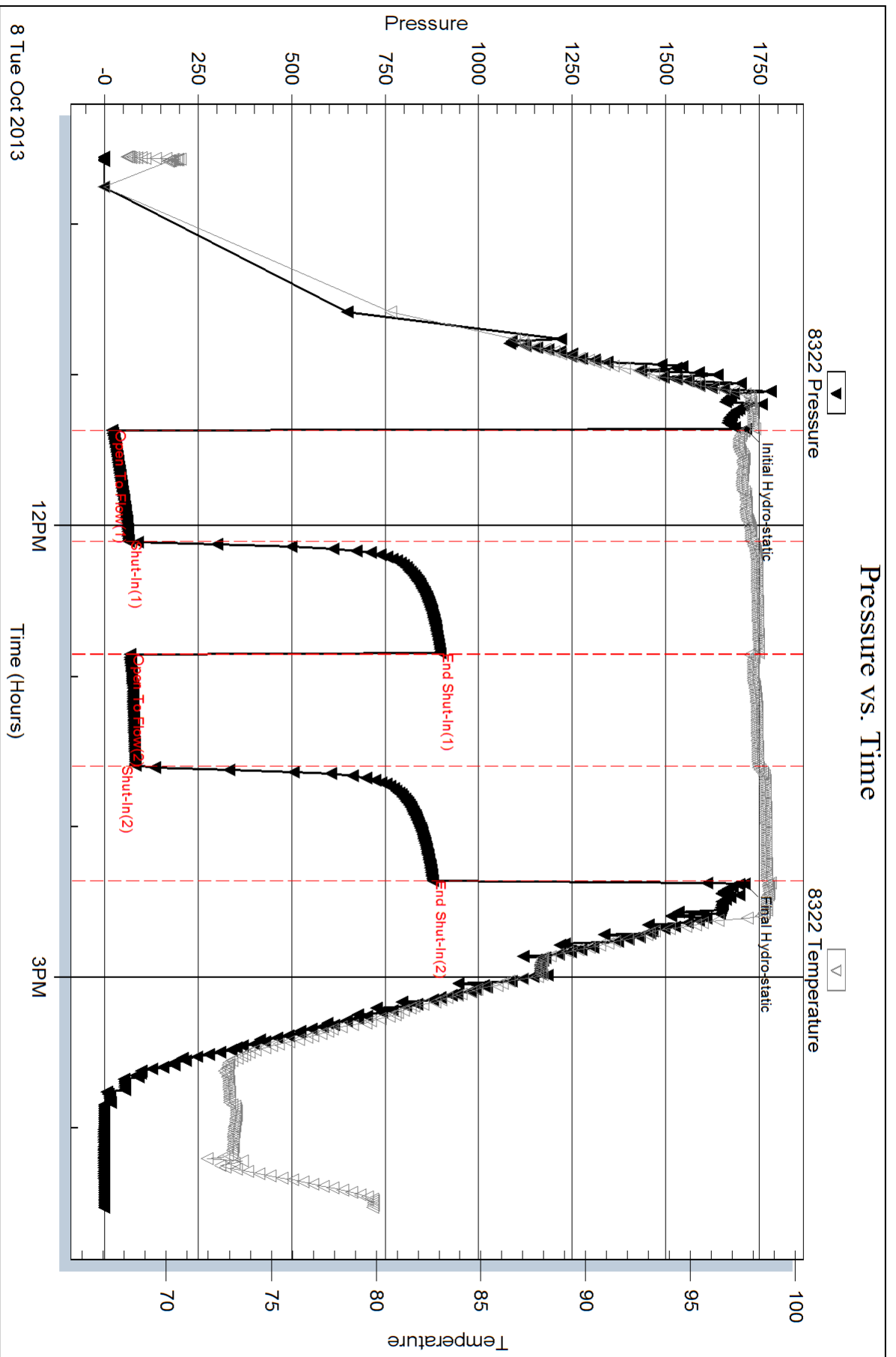
Recovery Comments:

Serial #: 8322

Outside Bach Oil Productions

Sherlyn #1

DST Test Number: 2



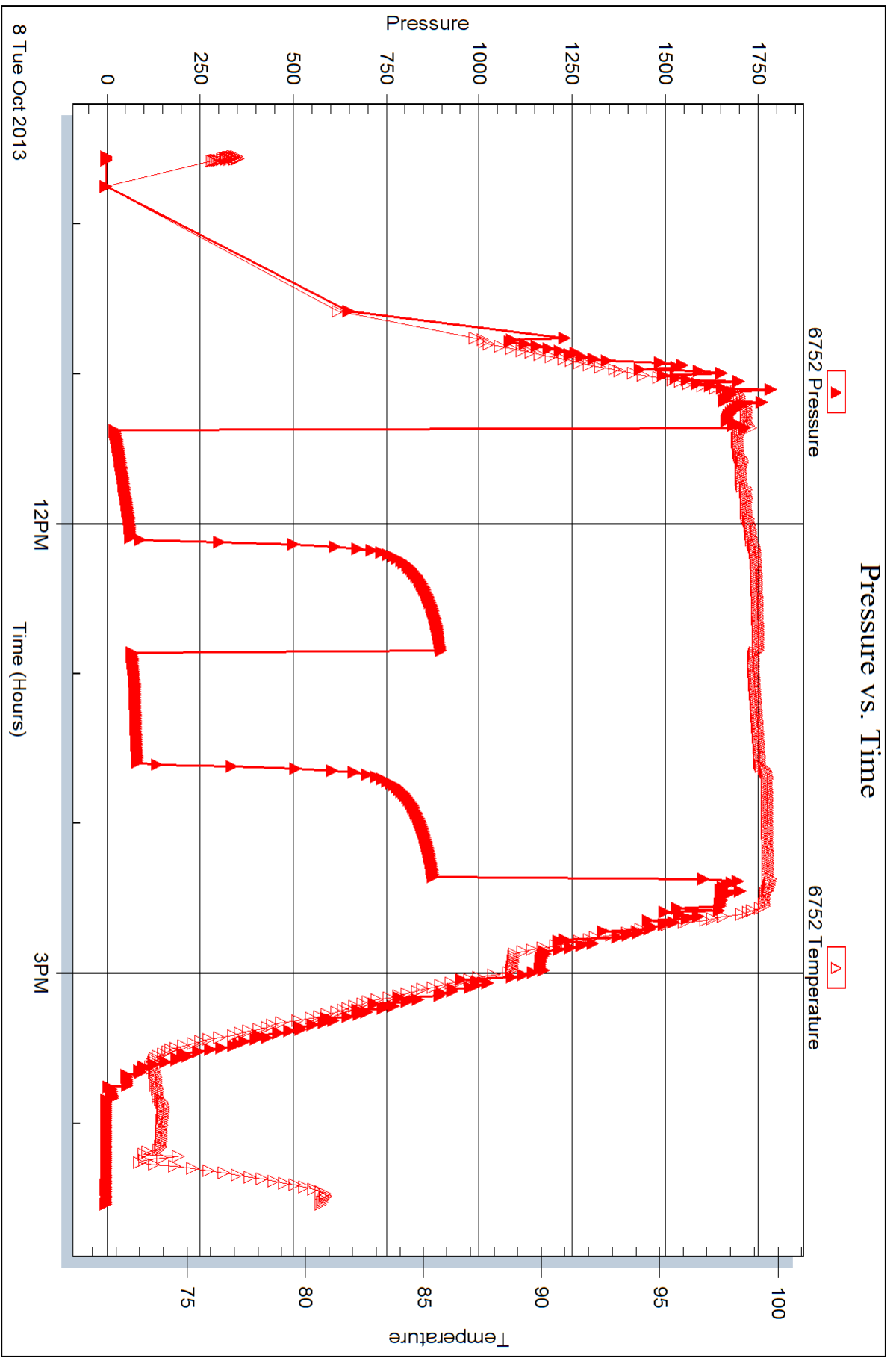
Serial #: 6752

Inside

Bach Oil Productions

Sherlyn #1

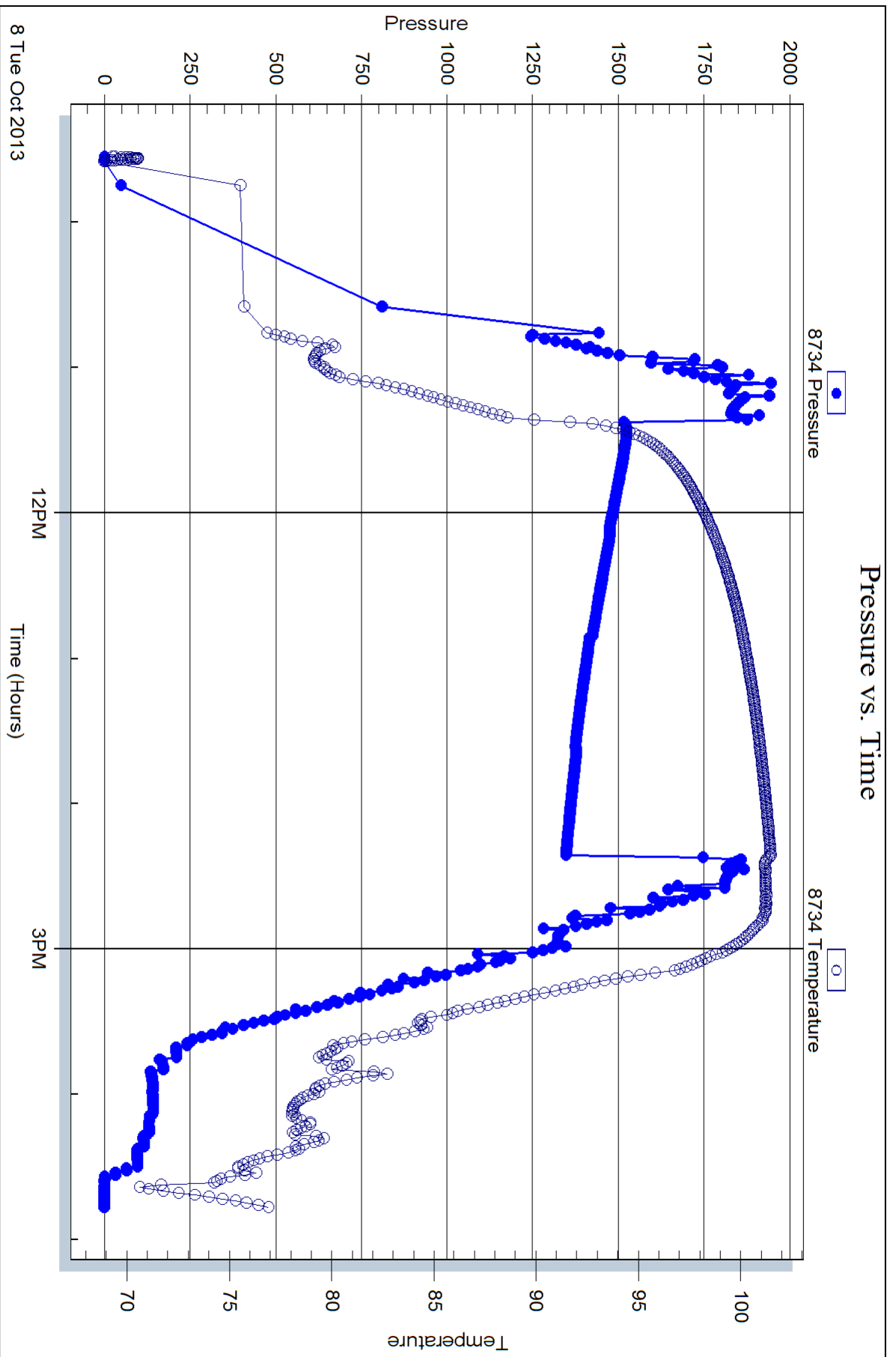
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 55133

Printed: 2013.10.09 @ 11:19:54





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 55132

Well Name & No. Sherlyn #1 Test No. 1 Date 10/8/13
 Company Bach Oil Productions Elevation 2230 KB 2225 GL
 Address P.O. Box 723 Alma NE 68920
 Co. Rep / Geo. Bob Petersen Rig Murfin #24
 Location: Sec. 10 Twp. 25 Rge. 19 W Co. Phillips State KS

Interval Tested 3538-3563 Zone Tested LKC "I"
 Anchor Length 25' Drill Pipe Run ~~3020~~ 3416 Mud Wt. 9.1
 Top Packer Depth 3533 Drill Collars Run 116' Vis 62
 Bottom Packer Depth 3538 3563 shale Wt. Pipe Run 0' WL 5.6
 Total Depth 3780 217' tail Chlorides 250 ppm System LCM 1
 Blow Description IF - Surface blow built to 1/4"
ISI - No return
FF - No blow
FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
5'	Mud w/oil spots			100	

Rec Total 5' BHT 98° Gravity — API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic <u>1755</u>	<input checked="" type="checkbox"/> Test 1150	T-On Location <u>01:30</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>02:48</u>
(C) First Final Flow <u>22</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>04:34</u>
(D) Initial Shut-In <u>110</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>07:04</u>
(E) Second Initial Flow <u>22</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>08:55</u>
(F) Second Final Flow <u>22</u>	<input checked="" type="checkbox"/> Mileage <u>130 RT</u> 201.50	Comments
(G) Final Shut-In <u>62</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1687</u>	<input checked="" type="checkbox"/> Straddle 600	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby	Total <u>2276.50</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't <u>75% / 25%</u>
	Sub Total <u>2276.50</u>	

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **55133**

Well Name & No. Sherlyn #1 Test No. 2 Date 10/8/13
 Company Bach Oil Productions Elevation 2230 KB 2225 GL
 Address P.O. Box 723 Alma NE 68920
 Co. Rep / Geo. Bob Peterson Rig Murfin #24
 Location: Sec. 10 Twp. 25 Rge. 19W Co. Phillips State KS

Interval Tested 3420-3490 Zone Tested LKC "C-F"
 Anchor Length 70' Drill Pipe Run 3304' Mud Wt. 9.1
 Top Packer Depth 3415 Drill Collars Run 116' Vis 62
 Bottom Packer Depth 3420 3490' shale Wt. Pipe Run 0' WL 5.6
 Total Depth 3780 290' tail Chlorides 250 ppm System LCM 1
 Blow Description FF - Surface blow built to 4"

IST - No return

FF - Surface blow started @ 2 mins built to 3"

FST -

Rec	Feet of	%gas	%oil	%water	%mud
<u>150'</u>	<u>MCW</u>		<u>50</u>	<u>50</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 <u>150'</u>	BHT <u>99</u>	Gravity	API RW	@	°F Chlorides ppm

- (A) Initial Hydrostatic 1716
- (B) First Initial Flow 21
- (C) First Final Flow 64
- (D) Initial Shut-In 898
- (E) Second Initial Flow 69
- (F) Second Final Flow 82
- (G) Final Shut-In 876
- (H) Final Hydrostatic 1711

- Test 1150
- Jars 250
- Safety Joint 75
- Circ Sub NC
- Hourly Standby
- Mileage 130 RT
- Sampler
- Straddle 600
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 2075

- T-On Location 08:55
- T-Started 09:33
- T-Open 11:22
- T-Pulled 14:22
- T-Out 16:32
- Comments
- Ruined Shale Packer
- Ruined Packer
- Extra Copies
- Sub Total 0
- Total 2075
- MP/DST Disc't 758 258

Approved By _____ Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.