



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1106263
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: _____



1106263

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

BACH OIL PRODUCTION

WELL: Forssberg #1

LOC.: 2483' FNL & 1737' FEL
 SEC. 6-4-19W
 PHILLIPS COUNTY, KANSAS
 API: 15-147-20695-00-00

DRILLING CONTR.: MURFIN RIG #8
 SPUD: 10-27-12 COMP: 11-2-12
 MUD UP: 2850' TYPE MUD: CHEM.
 DRILL TIME: 2950 to' RTD
 RTD: 3510' LTD: 3508'
 SAMPLES SAVED: 2950'-RTD
 GEOLOGIST: ROBERT J. PETERSEN

ELEVATION

KB: 2099
 GL: 2094
 LOG MEASURED
 FROM: KB

SURFACE CASING

20# 8 5/8" Casing set @ 210' w/170 SX

PRODUCTION CASING

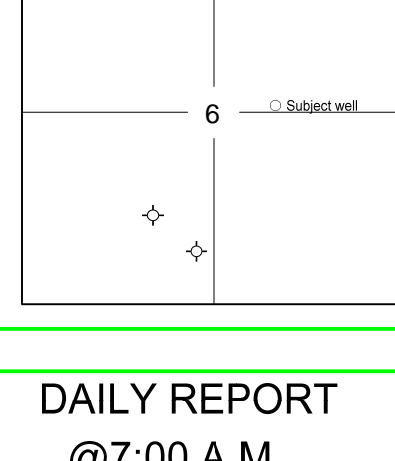
5 1/2" Set

WELL LOG SURVEYS

RAG

ELECTRIC LOG TOPS

FORMATION	DEPTH	DATUM	POSITION
Stone Corral	N/A		N/A
Base Stone Corral	1703	+396	+3
Topeka	3067	-968	+6
Heebner	3264	-1165	+4
Toronto	3290	-1191	+6
Lansing	3308	-1209	+3
Stark	3481	-1382	+2
LTD	3508	-1409	X



REFERENCE WELL:

American Petroleum
 ZILLINGER #2
 990' FSL & 1650' FWL
 6-4-19W

REMARKS AND RECOMMENDATIONS

Production casing was run to further test this well for commercial production.

Respectfully submitted,

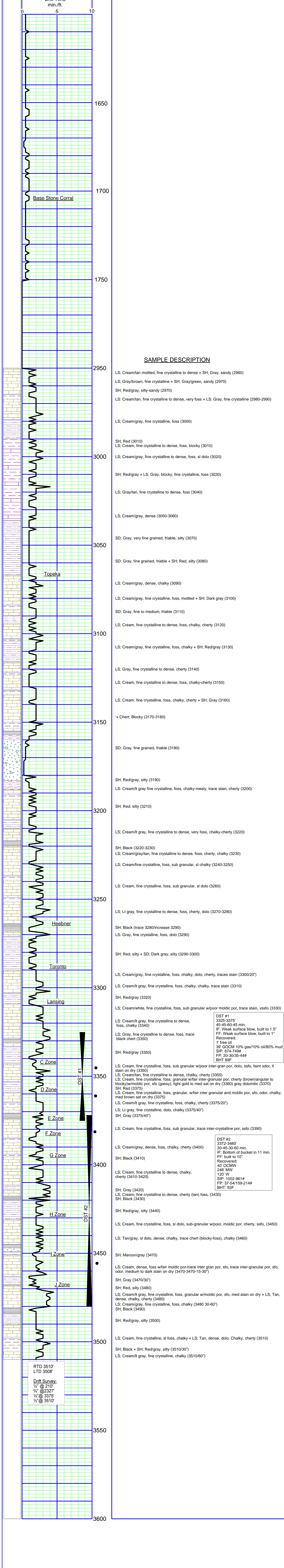
Robert J. Petersen

Robert J. Petersen

DAILY REPORT

@7:00 A.M.

10-27-12 MIRU
 10-28-12 Spud
 10-29-12 210' WOC
 10-30-12 1900'
 10-31-12 2920'
 11-01-12 3375'
 11-02-12 3510' RTD



RTD 3510'
 LTD 3508'

Drift Survey:
 1/2" @ 210'
 3/4" @ 2327'
 1/2" @ 3375'
 1/2" @ 3510'

DST #1
 3325-3375'
 45-45-60-45 min.
 IF: Weak surface blow, built to 1.5"
 FF: Weak surface blow, built to 1"
 Recovered:
 1' free oil
 39' GOCM 10% gas/10% oil/80% mud
 SIP: 874-749#
 FP: 20-30/35-44#
 BHT: 89F

DST #2
 3372-3480'
 30-45-30-60 min.
 IF: Bottom of bucket in 11 min.
 FF: built to 10"
 Recovered:
 40' OCMW
 248' MW
 120' W
 SIP: 1002-961#
 FP: 37-54/159-214#
 BHT: 93F



DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

Forsberg #1

6-4s-19w Phillips, KS

Start Date: 2012.11.01 @ 03:21:52

End Date: 2012.11.01 @ 10:51:22

Job Ticket #: 48098 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.11.13 @ 11:24:51



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Bach Oil Production

6-4s-19w Phillips, KS

PO Box 723
Alma, NE 68920

Forssberg #1

Job Ticket: 48098

DST#: 1

ATTN: Bob Peterson

Test Start: 2012.11.01 @ 03:21:52

GENERAL INFORMATION:

Formation: **LKC "C & D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:44:37

Time Test Ended: 10:51:22

Test Type: Conventional Bottom Hole (Initial)

Tester: Ryan Nichols/Kevin M

Unit No: 43

Interval: 3325.00 ft (KB) To 3375.00 ft (KB) (TVD)

Reference Elevations: 2100.00 ft (KB)

Total Depth: 3375.00 ft (KB) (TVD)

2094.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 6.00 ft

Serial #: 6799 Inside

Press @ Run Depth: 44.98 psig @ 3326.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.11.01 End Date: 2012.11.01

Last Calib.: 2012.11.01

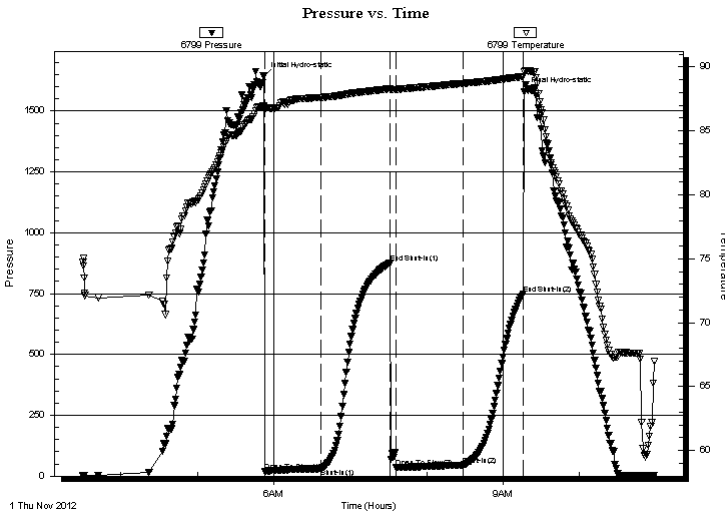
Start Time: 03:30:05 End Time: 10:59:29

Time On Btm: 2012.11.01 @ 05:51:45

Time Off Btm: 2012.11.01 @ 09:16:45

TEST COMMENT: IF - 45 Weak surface blow built to 1.5"
ISI - 45 No return
FF - 60 Weak surface blow started at 5 mins. built to 1"
FSI - 45

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1643.00	86.92	Initial Hydro-static
1	20.42	86.66	Open To Flow (1)
45	30.92	87.61	Shut-In(1)
99	874.22	88.28	End Shut-In(1)
104	35.58	88.23	Open To Flow (2)
157	44.98	88.70	Shut-In(2)
204	749.39	89.23	End Shut-In(2)
205	1579.25	89.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
39.00	GOCM - 10G - 10o - 80M	0.19
1.00	Free oil 100%	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

6-4s-19w Phillips, KS

PO Box 723
Alma, NE 68920

Forssberg #1

Job Ticket: 48098

DST#: 1

ATTN: Bob Peterson

Test Start: 2012.11.01 @ 03:21:52

Tool Information

Drill Pipe:	Length: 3125.00 ft	Diameter: 3.80 inches	Volume: 43.84 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: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 44.75 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3325.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	79.00 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			3297.00	
Shut In Tool	5.00			3302.00	
Hydraulic tool	5.00			3307.00	
Jars	5.00			3312.00	
Safety Joint	3.00			3315.00	
Packer	5.00			3320.00	29.00 Bottom Of Top Packer
Packer	5.00			3325.00	
Stubb	1.00			3326.00	
Recorder	0.00	8648	Inside	3326.00	
Recorder	0.00	6799	Inside	3326.00	
Perforations	11.00			3337.00	
Change Over Sub	1.00			3338.00	
Drill Pipe	31.00			3369.00	
Change Over Sub	1.00			3370.00	
Bullnose	5.00			3375.00	50.00 Bottom Packers & Anchor

Total Tool Length: 79.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

6-4s-19w Phillips, KS

PO Box 723
Alma, NE 68920

Forsberg #1

Job Ticket: 48098

DST#: 1

ATTN: Bob Peterson

Test Start: 2012.11.01 @ 03:21:52

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 8.00 lb/gal

Cushion Length: ft

Water Salinity: ppm

Viscosity: 48.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
39.00	GOCM - 10G - 10o - 80M	0.192
1.00	Free oil 100%	0.005

Total Length: 40.00 ft Total Volume: 0.197 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

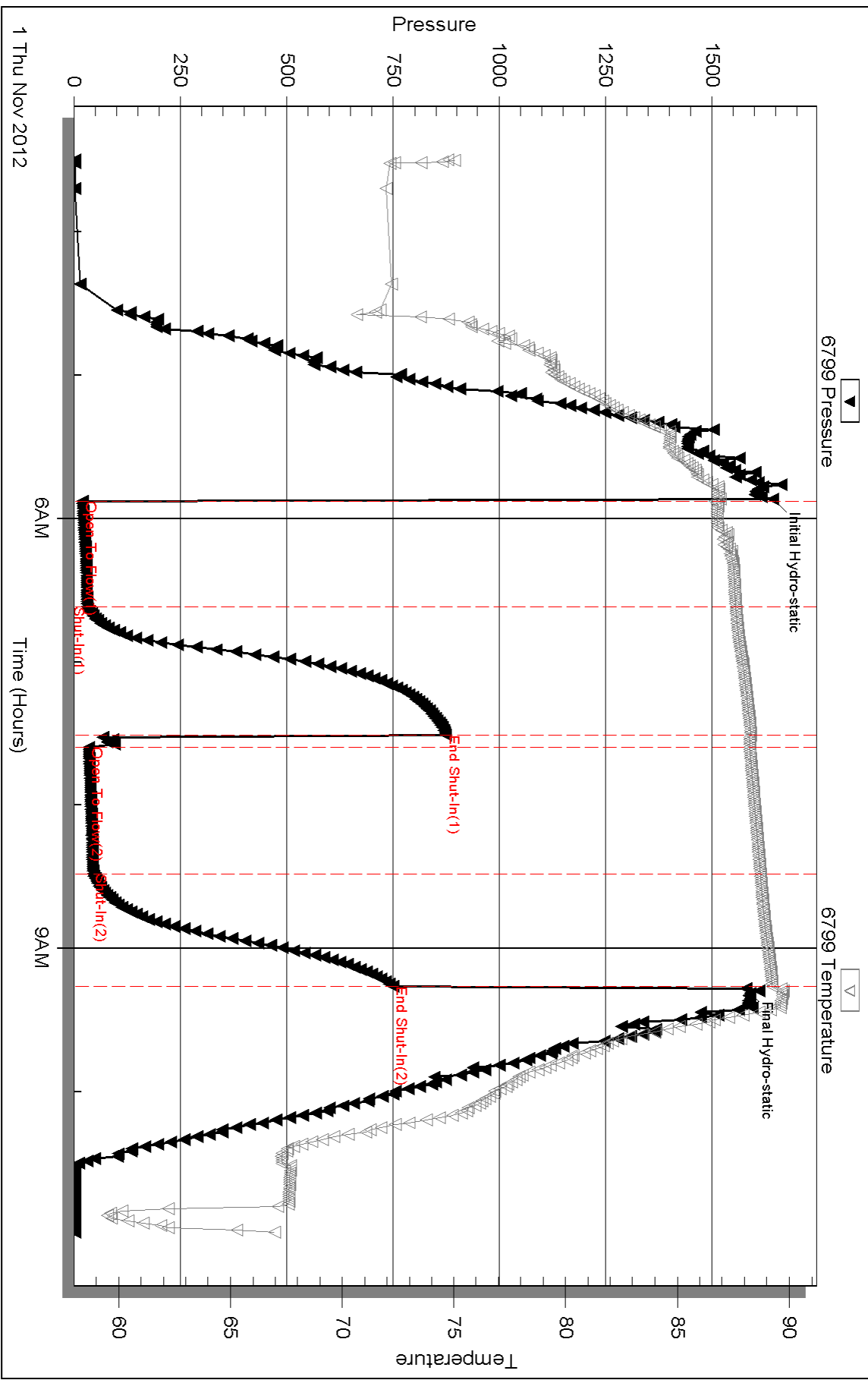
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



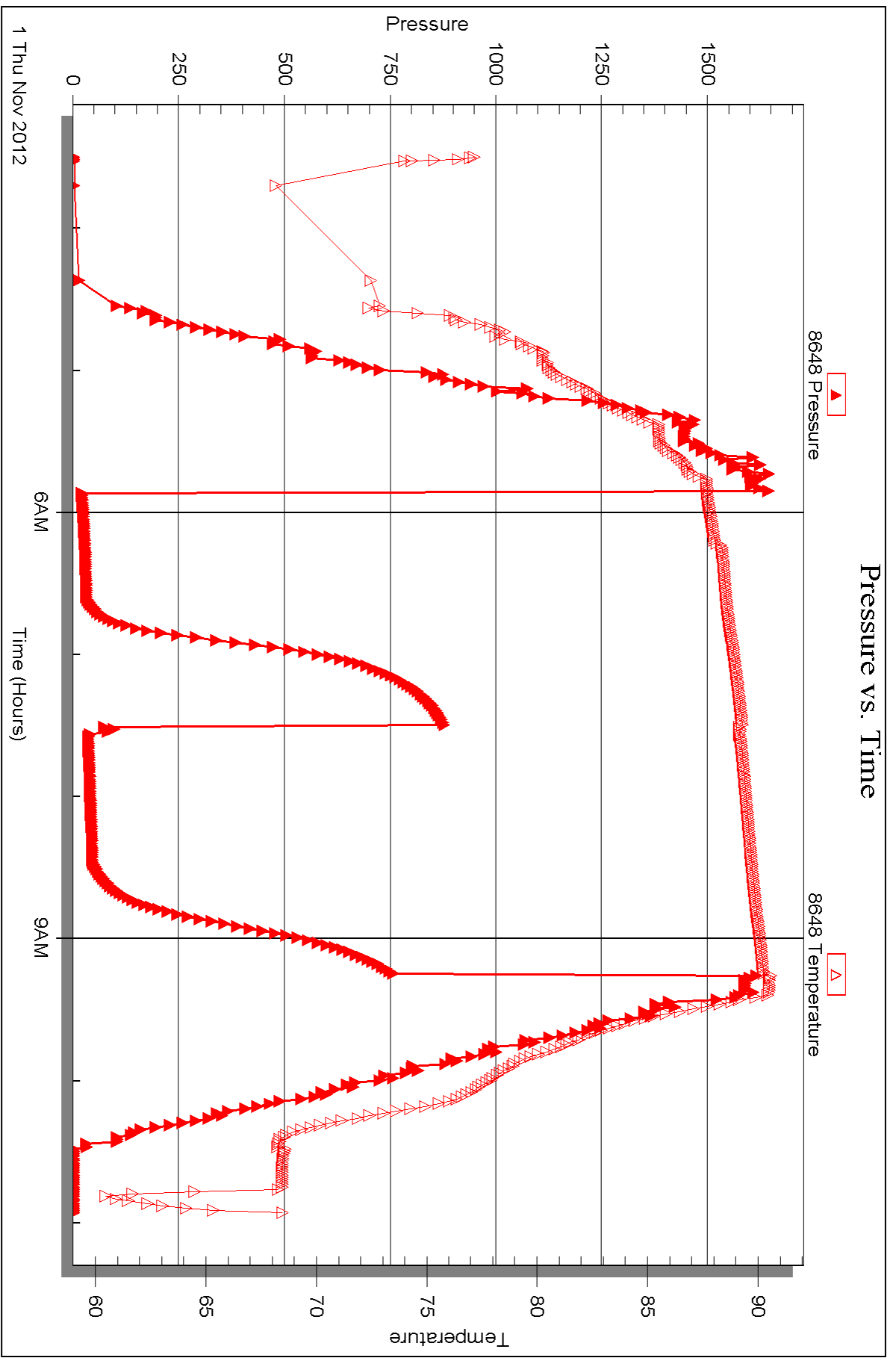
Serial #: 8648

Inside

Bach Oil Production

Forssberg #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

Forsberg #1

6-4s-19w Phillips, KS

Start Date: 2012.11.01 @ 20:58:05

End Date: 2012.11.02 @ 03:41:29

Job Ticket #: 48099 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.11.13 @ 11:23:17



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bach Oil Production

6-4s-19w Phillips, KS

PO Box 723
Alma, NE 68920

Forssberg #1

Job Ticket: 48099

DST#: 2

ATTN: Bob Peterson

Test Start: 2012.11.01 @ 20:58:05

GENERAL INFORMATION:

Formation: **LKC "F - J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:47:30

Time Test Ended: 03:41:29

Test Type: Conventional Bottom Hole (Initial)

Tester: Ryan Nichols/Kevin M

Unit No: 43

Interval: 3372.00 ft (KB) To 3480.00 ft (KB) (TVD)

Reference Elevations: 2100.00 ft (KB)

Total Depth: ft (KB) (TVD)

2094.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 6.00 ft

Serial #: 6799

Inside

Press @ Run Depth: 214.22 psig @ 3373.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.11.01

End Date:

2012.11.02

Last Calib.: 2012.11.02

Start Time: 20:58:05

End Time:

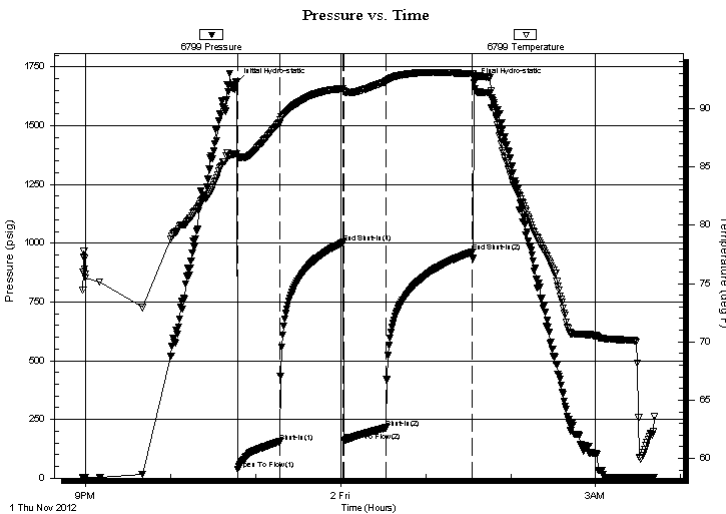
03:41:29

Time On Btm: 2012.11.01 @ 22:46:45

Time Off Btm: 2012.11.02 @ 01:33:59

TEST COMMENT: 30 - IF - BoB in 11 mins
45 - ISI - No return
30 - FF - 1/8" blow built to 10"
60 - FSI - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1685.47	86.15	Initial Hydro-static
1	37.25	85.83	Open To Flow (1)
30	154.70	88.77	Shut-In(1)
75	1002.68	91.72	End Shut-In(1)
76	159.11	91.50	Open To Flow (2)
106	214.22	92.30	Shut-In(2)
166	961.01	92.97	End Shut-In(2)
168	1681.45	92.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	W 100%	0.59
122.00	MW - 5M - 95W	1.11
126.00	MW - 5M - 95W	1.77
40.00	OCMW - 5o - 80W - 15M	0.56

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

6-4s-19w Phillips, KS

PO Box 723
Alma, NE 68920

Forssberg #1

Job Ticket: 48099

DST#: 2

ATTN: Bob Peterson

Test Start: 2012.11.01 @ 20:58:05

Tool Information

Drill Pipe:	Length: 3187.00 ft	Diameter: 3.80 inches	Volume: 44.71 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: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 45.62 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3372.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	108.00 ft			
Tool Length:	137.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3344.00	
Shut In Tool	5.00			3349.00	
Hydraulic tool	5.00			3354.00	
Jars	5.00			3359.00	
Safety Joint	3.00			3362.00	
Packer	5.00			3367.00	29.00 Bottom Of Top Packer
Packer	5.00			3372.00	
Stubb	1.00			3373.00	
Recorder	0.00	8648	Inside	3373.00	
Recorder	0.00	6799	Inside	3373.00	
Perforations	5.00			3378.00	
Change Over Sub	1.00			3379.00	
Drill Pipe	95.00			3474.00	
Change Over Sub	1.00			3475.00	
Bullnose	5.00			3480.00	108.00 Bottom Packers & Anchor

Total Tool Length: 137.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

6-4s-19w Phillips, KS

PO Box 723
Alma, NE 68920

Forsberg #1

Job Ticket: 48099

DST#: 2

ATTN: Bob Peterson

Test Start: 2012.11.01 @ 20:58:05

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:

35000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	W 100%	0.590
122.00	MW - 5M - 95W	1.110
126.00	MW - 5M - 95W	1.767
40.00	OCMW - 5o - 80W - 15M	0.561

Total Length: 408.00 ft Total Volume: 4.028 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .1 @ 62 deg. = 35000ppm

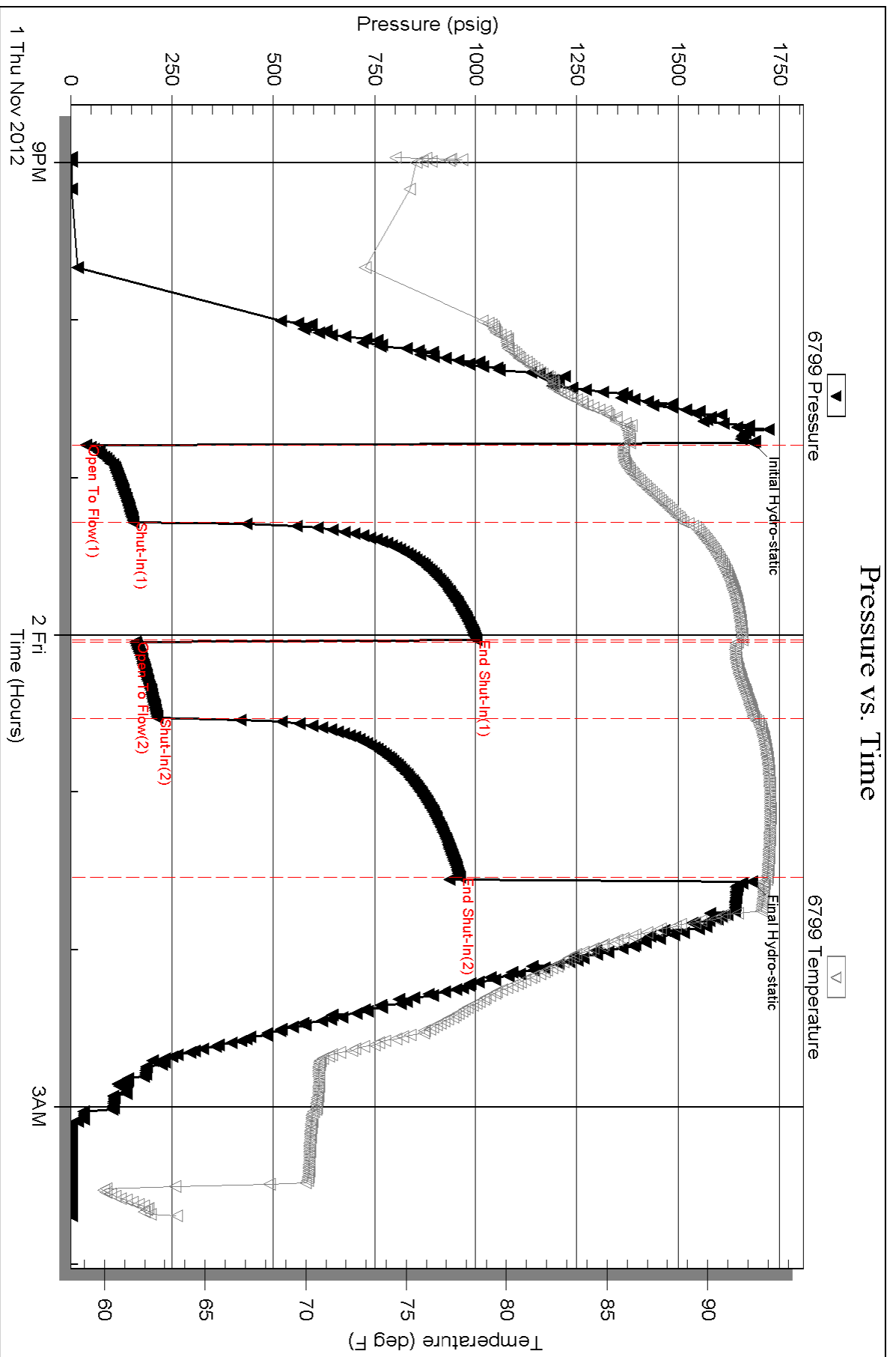
Serial #: 6799

Inside

Bach Oil Production

Forssberg #1

DST Test Number: 2



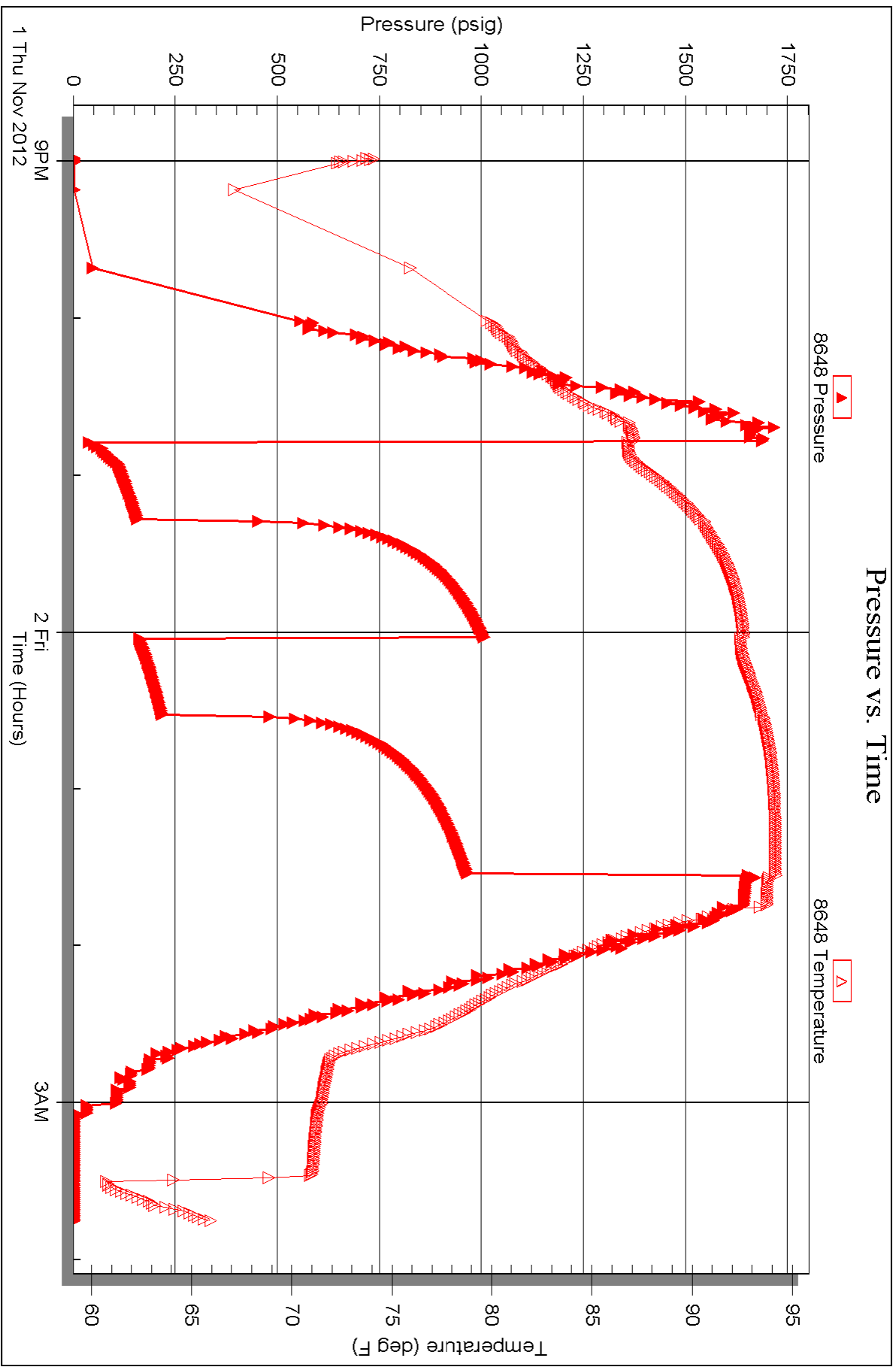
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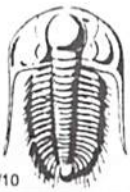
Inside

Bach Oil Production

Forssberg #1

DST Test Number: 2





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48098

Well Name & No. Bach Oil Productions & Folssberg #1 Test No. 1 Date 11-1-12
 Company Folssberg #1 Elevation 2100 KB 2094 GL
 Address P.O. Box 723 Alma NE 68920
 Co. Rep / Geo. Bob Peterson Rig Murfin #8
 Location: Sec. 6 Twp. 4S Rge. 19W Co. Phillips State KS

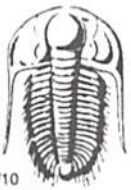
Interval Tested 3325 - 3375 Zone Tested LKC "c2D"
 Anchor Length 50' Drill Pipe Run 186 Mud Wt. 8.5
 Top Packer Depth 3321 Drill Collars Run 186 Vis 48
 Bottom Packer Depth 3325 Wt. Pipe Run 0 WL 8
 Total Depth 3375 Chlorides 800 ppm System LCM 2.5
 Blow Description IF - 45 Weak surface blow built to 1.5"
ISI - 45 No return
FF - 45 Weak surface blow started at 5mins. built to 1"
FST - 45

Rec	Feet of	%gas	%oil	%water	%mud
1	Free oil	100			
39	GOCM	10		80	

Rec Total _____ BHT 89 Gravity — API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1643 Test 1150 T-On Location 3:15 a.m.
 (B) First Initial Flow 20 Jars 250 T-Started 3:30 a.m.
 (C) First Final Flow 30 Safety Joint 75 T-Open 5:52 a.m.
 (D) Initial Shut-In 874 Circ Sub _____ T-Pulled 9:13 a.m.
 (E) Second Initial Flow 35 Hourly Standby _____ T-Out 10:40 a.m.
 (F) Second Final Flow 44 Mileage 126 RT 195.30 Comments _____
 (G) Final Shut-In 749 Sampler _____
 (H) Final Hydrostatic 1579 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 45 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1670.30
 Final Flow 60 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 45 Sub Total 1670.30

Approved By _____ Our Representative Ryan Nichols
 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.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48099

Well Name & No. ~~000~~ Forsberg #1 Test No. 2 Date 11/1/12
 Company Bach Oil Productions Elevation 2100 KB 2094 GL
 Address P.O. Box 723 Alma NE 68920
 Co. Rep / Geo. Bob Peterson Rig Murfin #8
 Location: Sec. 6 Twp. 45 Rge. 19 W Co. Phillips State KS

Interval Tested 3372-3480 Zone Tested "F-J" LKC
 Anchor Length ~~108'~~ 108' Drill Pipe Run 3187 Mud Wt. 9.1
 Top Packer Depth 3368 Drill Collars Run 186 Vis 60
 Bottom Packer Depth 3372 Wt. Pipe Run 0 WL 7.6
 Total Depth 3480 Chlorides 800 ppm System LCM #2
 Blow Description IF-30 Built to Bobin 11mins.
ISI-45 No Return
FF-30 1/8" blow built to 10"
FSI-60

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>W</u>		<u>100</u>		
<u>122</u>	<u>MW</u>		<u>95</u>	<u>5</u>	
<u>126</u>	<u>MW</u>		<u>95</u>	<u>5</u>	
<u>40</u>	<u>OCMW</u>	<u>5</u>	<u>80</u>	<u>15</u>	
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 408 BHT 93 Gravity — API RW .1 @ 62 °F Chlorides 35000 ppm

(A) Initial Hydrostatic <u>1685</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>8:50 PM</u>
(B) First Initial Flow <u>37</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>8:58 PM</u>
(C) First Final Flow <u>154</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>10:48 PM</u>
(D) Initial Shut-In <u>1002</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>1:33 AM</u>
(E) Second Initial Flow <u>159</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>3:50 AM</u>
(F) Second Final Flow <u>214</u>	<input checked="" type="checkbox"/> Mileage <u>126 RT</u> 195.30	Comments _____
(G) Final Shut-In <u>961</u>	<input type="checkbox"/> Sampler	_____
(H) Final Hydrostatic <u>1681</u>	<input type="checkbox"/> Straddle	<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>60</u>	<input type="checkbox"/> Day Standby	Total <u>1670.30</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1670.30</u>	<u>75% 25%</u>

Approved By _____ Our Representative Ryan Nichols

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INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 133367
Invoice Date: Oct 28, 2012
Page: 1

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



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

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Bach	Forsberg #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Russell	Oct 28, 2012	11/27/12

Quantity	Item	Description	Unit Price	Amount
170.00	MAT	Class A Common	17.90	3,043.00
3.00	MAT	Gel	23.40	70.20
6.00	MAT	Chloride	64.00	384.00
183.51	SER	Cubic Feet	2.48	455.10
636.88	SER	Ton Mileage	2.60	1,655.89
1.00	SER	Surface	1,512.25	1,512.25
76.00	SER	Pump Truck Mileage	7.70	585.20
76.00	SER	Light Vehicle Mileage	4.40	334.40
1.00	CEMENTER	Bobby Smith		
1.00	OPER ASSIST	Kevin Rupp		
1.00	EQUIP OPER	Tony Pfannenstiel		

Subtotal	8,040.04
Sales Tax	237.81
Total Invoice Amount	8,277.85
Payment/Credit Applied	
TOTAL	8,277.85

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

\$ 3646.69

ONLY IF PAID ON OR BEFORE
Nov 22, 2012

ALLIED CEMENTING CO., LLC. 034672

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
RUSSELL

Forsberg

DATE <u>10-28-12</u>	SEC <u>6</u>	TWP. <u>4</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>2:30</u>	JOB FINISH <u>3 PM</u>
LEASE <u>RSSBERG</u>	WELL # <u>1</u>	LOCATION <u>LOGAN KS 4th - 3rd E - N into</u>			COUNTY <u>Phillips</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR mutin 8 OWNER _____

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4 T.D. 210

CASING SIZE 8 5/8 DEPTH 210.07

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15 FT

PERFS. _____

DISPLACEMENT 12.42 bbl

EQUIPMENT

PUMP TRUCK CEMENTER Bob S. 1

409 HELPER Kevin R 3

BULK TRUCK

473 DRIVER TONY 2

BULK TRUCK

_____ DRIVER _____

REMARKS:

pumped 170 sk

Cement to surface

THANKS

CHARGE TO: BACH

STREET _____

CITY _____ STATE _____ ZIP _____

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.

PRINTED NAME Rodney Farr

SIGNATURE Rodney Farr

CEMENT AMOUNT ORDERED 170 sk 3%^a 2%^{GBL}

COMMON	<u>170</u>	@	<u>17.9</u>	<u>3043.00</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>23.40</u>	<u>70.20</u>
CHLORIDE	<u>6</u>	@	<u>64.00</u>	<u>384.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>183.51 Ft³</u>	@	<u>2.48</u>	<u>455.10</u>
MILEAGE	<u>636.88 T/M X 2.6</u>			<u>1655.89</u>
TOTAL				<u>5608.19</u>

SERVICE

DEPTH OF JOB	<u>210 FT</u>			
PUMP TRUCK CHARGE				<u>1512.25</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>HEAVY 76</u>	@	<u>7.7</u>	<u>585.20</u>
MANIFOLD		@		
	<u>Ldv 76</u>	@	<u>4.4</u>	<u>334.40</u>
TOTAL				<u>2431.85</u>

PLUG & FLOAT EQUIPMENT

	@			
	@			
	@			
	@			
	@			
TOTAL				<u>0</u>

SALES TAX (If Any) 237.80

TOTAL CHARGES 8040.04

DISCOUNT 3146.69 IF PAID IN 30 DAYS

Net 4893.35 BS 10-28
before tax



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 133411

Invoice Date: Nov 2, 2012

Page: 1



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

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Bach	Forsberg #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-02	Russell	Nov 2, 2012	12/2/12

Quantity	Item	Description	Unit Price	Amount
90.00	MAT	Class A Common	17.90	1,611.00
60.00	MAT	Pozmix	9.35	561.00
3.00	MAT	Gel	23.40	70.20
3.00	MAT	Chloride	64.00	192.00
16.00	MAT	Salt	26.35	421.60
450.00	MAT	AMD	25.90	11,655.00
2,250.00	MAT	Gilsonite	0.98	2,205.00
735.26	SER	Cubic Feet	2.48	1,823.43
2,413.76	SER	Ton Mileage	2.60	6,275.78
1.00	SER	Production Casing	2,558.75	2,558.75
76.00	SER	Pump Truck Mileage	7.70	585.20
76.00	SER	Light Vehicle Mileage	4.40	334.40
1.00	EQP	5.5 Latch Down Plug	324.09	324.09
5.00	EQP	5.5 Basket	394.29	1,971.45
10.00	EQP	5.5 Centralizer	57.33	573.30
1.00	EQP	5.5 Float Shoe	408.33	408.33
1.00	CEMENTER	Bobby Smith		
1.00	OPER ASSIST	Kevin Rupp		
1.00	OPER ASSIST	Walter Keith		
1.00	EQUIP OPER	Tony Pfannenstiel		

Subtotal	31,570.53
Sales Tax	1,359.52
Total Invoice Amount	32,930.05
Payment/Credit Applied	
TOTAL	32,930.05

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

\$9,502.73

ONLY IF PAID ON OR BEFORE
Nov 27, 2012

ALLIED OIL & GAS SERVICES, LLC 056801

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

RUSSELL

DATE <u>11-2-12</u>	SEC <u>6</u>	TWP. S <u>14</u>	RANGE <u>19W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
WELL # <u>1</u>	LOCATION <u>LOSSAN - 4th - 3rd - N. into</u>			COUNTY <u>Phillips</u>	STATE <u>KS</u>		

CONTRACTOR MURFIN #8

TYPE OF JOB Production

HOLE SIZE 7 7/8 T.D.

CASING SIZE 5 1/2 DEPTH 3510.09

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 2216 FT

PERFS.

DISPLACEMENT 80.9 bbl

EQUIPMENT

OWNER

CEMENT AMOUNT ORDERED 450 SK and 6th GILSONITE
150 SK 60/40 2% salt - 10% salt
2% salt

COMMON	90	@ 17.9	1611.00
POZMIX	60	@ 9.35	561.00
GEL	3	@ 23.4	70.20
CHLORIDE	3	@ 64.00	192.00
ASC			
SALT	116	@ 26.35	421.60
Amd	450	@ 25.9	11655.00
GILSONITE	2250 ⁺	@ 0.98	2205.00
HANDLING	735.26 FT	@ 2.48	1823.43
MILEAGE	2413.76 T/m x 2.6		6275.78
			TOTAL <u>24815.01</u>

PUMP TRUCK CEMENTER Bob S. 1

409 HELPER Kevin R. 3

BULK TRUCK DRIVER WALTER 3

481

BULK TRUCK DRIVER TONY 2

410

REMARKS:

Plugged RAT & mouse 45 SK

Pumped 405 SK Amd

Pumped 150 SK 60/40

CEMENT TO SURFACE

THANKS

SERVICE

DEPTH OF JOB	3510.09		
PUMP TRUCK CHARGE			2558.75
EXTRA FOOTAGE		@	
MILEAGE	Heavy 76	@ 7.7	585.2
MANIFOLD		@	
Low 76	@ 4.4		334.4
			TOTAL <u>3478.35</u>

CHARGE TO: BACTH

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

LATCH down	5	@ 324.09	1620.45
BASKET	5	@ 374.29	1871.45
CENTRALIZER	10	@ 57.33	573.30
FLOAT Shoe		@	408.33
			TOTAL <u>3673.17</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.

SALES TAX (if Any) 1359.62

TOTAL CHARGES 31570.53

DISCOUNT 9502.73 IF PAID IN 30 DAYS

Net 22067.80 BS 11-2

before tax

PRINTED NAME Dale Ferland

SIGNATURE Dale Ferland

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

February 11, 2013

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

Re: ACO1
API 15-147-20695-00-00
Forssberg 1
NE/4 Sec.06-04S-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