



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1065733
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: _____

1065733

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

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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

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	Knape 1
Doc ID	1065733

All Electric Logs Run

Sonic
Micro
Dual Induction
Compensated Density

Form	ACO1 - Well Completion
Operator	Bach, Jason dba Bach Oil Production
Well Name	Knape 1
Doc ID	1065733

Tops

Name	Top	Datum
Stone Corral	1672	+398
Base Stone Corral	1692	+378
Topeka	3027	-957
Heebner	3233	-1163
Toronto	3262	-1192
Lansing	3281	-1211
Base Kansas City	3499	-1429
Pre_Penn	3645	-1575
Viola	3645	-1575
Simpson	3677	-1607
Arbuckle	3727	-1657

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

BACH OIL PRODUCTION

WELL: KNAPE #1

LOC.: 2570' FSL & 1420' FEL
SEC. 18-1-18W

PHILLIPS COUNTY, KANSAS

API: 15-147-20653-00-00

ELEVATION

KB: 2070
GL: 2065
LOG MEASURED
FROM: KB

SURFACE CASING

8 5/8 "
Casing set @ 225'
w/160 SX

PRODUCTION CASING

5 1/2" "
Casing set @ 3736'
w/400 SX

WELL LOG SURVEYS

CDL/DIL
SONIC/MICRO

DRILLING CONTR.: MURFIN RIG #16

SPUD: 09-17-11 COMP: 9-23-11
MUD UP: 2600' TYPE MUD: CHEM.

DRILL TIME: 2900' RTD

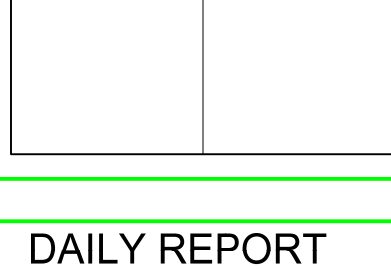
RTD: 3737' LTD: 3738'

SAMPLES SAVED: 3000'-RTD

GEOLOGIST: ROBERT J. PETERSEN

ELECTRIC LOG TOPS

FORMATION	Depth	Datum	POS.
Stone Corral	1672	+398	+10
Base Stone Corral	1692	+378	+12
Topeka	3233	-1163	+16
Heebner	3262	-1192	+14
Toronto	3281	-1211	+13
Lansing	3499	-1429	+18
Base Kansas City	3645	-1575	+17
Pre_Penn	3645	-1575	N/A
Viola	3677	-1607	N/A
Simpson SH	3727	-1657	-11
Arbuckle			



REFERENCE WELL:

Black Cat Oil Co.
Byerstrom #1
SE SE SE
7-1-18W

REMARKS AND RECOMMENDATIONS

Production pipe was set to further test this well.

Respectfully submitted,

Robert J. Petersen

Robert J. Petersen

DAILY REPORT

@ 7:00 A.M.

09-17-11 MIRU SPUD

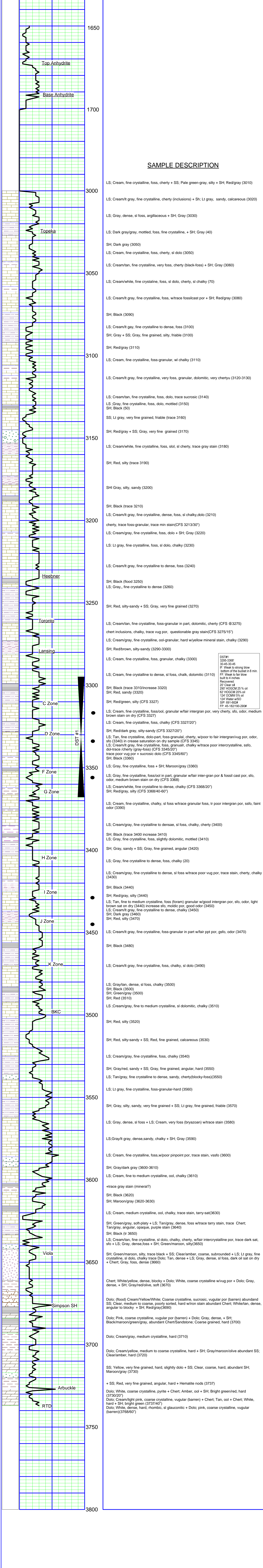
09-18-11 580'

09-19-11 2520'

09-20-11 3213'

09-21-11 3348"

09-22-11 3737' RTD





INVOICE

24 S. Lincoln Street
P.O. Box 31
Russell, KS 67665-2906

Invoice Number: 128563
Invoice Date: Sep 17, 2011
Page: 1

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

Bill To:

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

Federal Tax I.D.#: 20-5975804

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Bach	Knape #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Russell	Sep 17, 2011	10/17/11

Quantity	Item	Description	Unit Price	Amount
160.00	MAT	Class A Common	16.25	2,600.00
3.00	MAT	Gel	21.25	63.75
5.00	MAT	Chloride	58.20	291.00
168.00	SER	Handling	2.25	378.00
64.00	SER	Mileage 168 sx @.11 per sk per mi	18.48	1,182.72
1.00	SER	Surface	1,125.00	1,125.00
128.00	SER	Pump Truck Mileage	7.00	896.00
128.00	SER	Light Vehicle Mileage	4.00	512.00
1.00	CEMENTER	Heath Long		
1.00	OPER ASSIST	Tony Pfannenstiel		
1.00	OPER ASSIST	Nick Williams		

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

\$ **1409.69**

ONLY IF PAID ON OR BEFORE
Oct 12, 2011

Subtotal	7,048.47
Sales Tax	200.92
Total Invoice Amount	7,249.39
Payment/Credit Applied	
TOTAL	7,249.39

ALLIED CEMENTING CO., LLC. 035812

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Russell, KS

DATE <u>9-17-11</u>	SEC. <u>18</u>	TWP. <u>1</u>	RANGE <u>18</u>	CALLED OUT	ON LOCATION	JOB START <u>6:45pm</u>	JOB FINISH <u>7:15pm</u>
LEASE <u>Knape</u>	WELL # <u>1</u>	LOCATION <u>Philippsburg 9 N</u>			COUNTY <u>Phillips</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)		<u>3 W 4N Winto</u>					

CONTRACTOR Murfin #16

TYPE OF JOB Surface

HOLE SIZE _____ T.D. 225'

CASING SIZE 8 5/8 DEPTH 223.95

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15'

PERFS. _____

DISPLACEMENT 13.30

OWNER _____

CEMENT AMOUNT ORDERED 160 COM

3% CC 2% Gel

COMMON	<u>160</u>	@	<u>16.25</u>	<u>2600.00</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>21.25</u>	<u>63.75</u>
CHLORIDE	<u>5</u>	@	<u>58.20</u>	<u>291.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>168</u>	@	<u>2.25</u>	<u>378.00</u>
MILEAGE	<u>111.56/mi.</u>	@	<u>6.7</u>	<u>1182.72</u>
TOTAL				<u>4515.47</u>

EQUIPMENT

PUMP TRUCK CEMENTER Heath

409 HELPER Tony

BULK TRUCK

410 DRIVER Wick

BULK TRUCK

_____ DRIVER _____

REMARKS:
Ran 5 Joints 8 5/8 casing
Landing Joint

Est Circulation

Mixed 160 sx Disp 13.30 bbl H2O
Shot In

Cement Did Circulate!!
Thanks

CHARGE TO: Bach Oil

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ 1125.00

EXTRA FOOTAGE @ _____

MILEAGE 128 @ 7.00 896.00

MANIFOLD @ _____

CON 128 @ 4.00 512.00

TOTAL 2533.00

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____

TOTAL CHARGES 7048.47

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME _____

SIGNATURE Ag [Signature]



24 S. Lincoln Street
 P.O. Box 31
 Russell, KS 67665-2906

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

INVOICE

Invoice Number: 128697
 Invoice Date: Sep 23, 2011
 Page: 1

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

Federal Tax I.D.#: 20-5975804

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Bach	Knape #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-02	Russell	Sep 23, 2011	10/23/11

Quantity	Item	Description	Unit Price	Amount
90.00	MAT	Class A Common	16.25	1,462.50
60.00	MAT	Pozmix	8.50	510.00
3.00	MAT	Gel	21.25	63.75
13.00	MAT	Salt	23.95	311.35
450.00	MAT	AMD	23.55	10,597.50
15.00	MAT	Gilsonite	0.89	13.35
500.00	MAT	WFR-2	1.10	550.00
631.00	SER	Handling	2.25	1,419.75
50.00	SER	Mileage 631 sx @ .11 per sk per mi	69.41	3,470.50
1.00	SER	Production String	2,225.00	2,225.00
100.00	SER	Pump Truck Mileage	7.00	700.00
100.00	SER	Light Vehicle Mileage	4.00	400.00
1.00	EQP	5.5 Float Shoe	245.00	245.00
1.00	EQP	5.5 Latch Down Plug Assembly	194.00	194.00
12.00	EQP	5.5 Centralizer	34.00	408.00
4.00	EQP	5.5 Basket	236.00	944.00
1.00	CEMENTER	Glenn Ginther		
1.00	OPER ASSIST	Woody O'Neil		
1.00	EQUIP OPER	Ron Bennett		
1.00	OPER ASSIST	Tony Pfannenstiel		

Subtotal	23,514.70
Sales Tax	1,040.36
Total Invoice Amount	24,555.06
Payment/Credit Applied	
TOTAL	24,555.06

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

\$ 6074.09

ONLY IF PAID ON OR BEFORE
 Oct 18, 2011

ALLIED CEMENTING CO., LLC. 038292

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Russell Ks.

DATE <u>9-23-2011</u>	SEC. <u>18</u>	TWP. <u>1</u>	RANGE <u>18</u>	CALLED OUT	ON LOCATION	JOB START <u>1:00 AM</u>	JOB FINISH <u>1:30 AM</u>
LEASE <u>Knappe</u>	WELL # <u>1</u>	LOCATION <u>PHILLIPSBURG Ks. 10N 3W</u>			COUNTY <u>PHILLIPS</u>	STATE <u>KANSAS</u>	
OLD OR <u>NEW</u> (Circle one)				<u>5N 2W INTO</u>			

CONTRACTOR MUREIN DRILL RIG #16

TYPE OF JOB PRODUCTION STRING

HOLE SIZE 7 7/8 T.D. 3737' RTD

CASING SIZE 5 1/2 DEPTH 3736'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL LATCH Down Plug Assy DEPTH 3719

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 20'

CEMENT LEFT IN CSG. 20'

PERFS.

DISPLACEMENT 90 3/4 BBL

EQUIPMENT

OWNER

CEMENT

AMOUNT ORDERED * 150 SX ⁶⁰ 40 10% SALT 2.8 G.G.C.

5th Gilsonite Per SX. * 450 ex AMD.

500 GAL WFR-2 mud flush

COMMON	<u>90</u>	@ <u>16.25</u>	<u>1462.50</u>
POZMIX	<u>60</u>	@ <u>8.50</u>	<u>510.00</u>
GEL	<u>3</u>	@ <u>21.25</u>	<u>63.75</u>
CHLORIDE		@	
ASC		@	
<u>S-11</u>	<u>13</u>	@ <u>23.95</u>	<u>311.35</u>
<u>AMD</u>	<u>450</u>	@ <u>23.55</u>	<u>10597.50</u>
<u>Gilsonite</u>	<u>15</u>	@ <u>1.89</u>	<u>28.35</u>
<u>WFR-2</u>	<u>500 Gal</u>	@ <u>1.10</u>	<u>550.00</u>
HANDLING	<u>631</u>	@ <u>2.25</u>	<u>1419.75</u>
MILEAGE	<u>1116/100</u>	@ <u>(50)</u>	<u>3470.50</u>
			TOTAL <u>18398.70</u>

PUMP TRUCK CEMENTER Glenn

419 HELPER Woody

BULK TRUCK

473 DRIVER Ron

BULK TRUCK

482 DRIVER Tony

REMARKS:

Ran 90 New JTS of 5 1/2" CSG (14 #)

Set @ Received CIRCULATION CIRC FOR

1 HR. Pump Flush 450 SX ~~450~~ (Allied

MULTI-DENSITY) 4 150 SX ⁶⁰ AMD

10% SALT, 2% GEL, 5th Gilsonite Per SX. Clear-Line

Release Plug & Displace 91 BBL H₂O, LAND

Plug @ 2:00 PM Released, & HELD.

30 SX @ RATHOLE

15 SX @ mousehole

THANKS

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>2225.00</u>
EXTRA FOOTAGE	@		
MILEAGE	<u>100</u>	@ <u>7.00</u>	<u>700.00</u>
MANIFOLD	@		
	@		
<u>LUL</u>	<u>100</u>	@ <u>4.00</u>	<u>400.00</u>
			TOTAL <u>3325.00</u>

CHARGE TO: Jason Bach Oil Company

STREET

CITY STATE ZIP

* Cement DID CIRCULATE

TO SURFACE, APPROX 40 SX

circulated INTO PIT.

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.

PLUG & FLOAT EQUIPMENT

FLOAT shoe	@	<u>245.00</u>
LATCH Down Plug Assy	@	<u>194.00</u>
12-CENTRALIZERS	@	<u>34.00</u>
4-BASKETS	@	<u>236.00</u>
	@	
		TOTAL <u>1791.00</u>

SALES TAX (If Any)

TOTAL CHARGES 23514.70

DISCOUNT 50/20 IF PAID IN 30 DAYS

PRINTED NAME Dale Ferland

SIGNATURE Dale Ferland



DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723
Alma, NE 68920-0723

ATTN: Jason Bach

Knape #1

18-1s-18w Phillips,KS

Start Date: 2011.09.20 @ 17:01:04

End Date: 2011.09.20 @ 19:09:29

Job Ticket #: 44559 DST #: 1

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

Printed: 2011.10.24 @ 12:45:39



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bach Oil Production
 PO Box 723
 Alma, NE 68920-0723
 ATTN: Jason Bach

18-1s-18w Phillips,KS

Knape #1

Job Ticket: 44559

DST#: 1

Test Start: 2011.09.20 @ 17:01:04

GENERAL INFORMATION:

Formation: **LKC C-D**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:00:00
 Time Test Ended: 19:09:29
 Interval: **3295.00 ft (KB) To 3345.00 ft (KB) (TVD)**
 Total Depth: 3345.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ray Schwager
 Unit No: 42
 Reference Elevations: 2255.00 ft (KB)
 2250.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6625

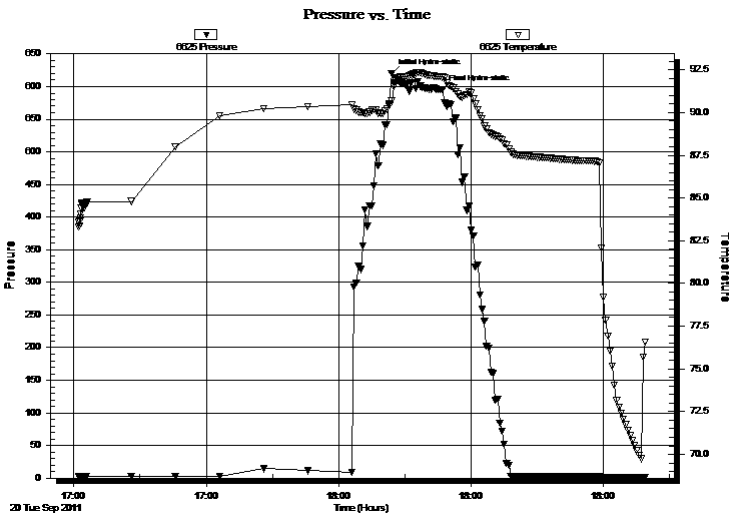
Inside

Press@RunDepth: psig @ 3297.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.09.20 End Date: 2011.09.20 Last Calib.: 2011.09.20
 Start Time: 17:01:04 End Time: 19:09:29 Time On Btm: 2011.09.20 @ 18:11:59
 Time Off Btm: 2011.09.20 @ 18:23:29

TEST COMMENT: Hit Bridge @ Approx 1825"
 would not go thru , pulled tool
 missrun

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	620.18	90.68	Initial Hydro-static
12	594.97	92.08	Final Hydro-static



Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production
PO Box 723
Alma, NE 68920-0723
ATTN: Jason Bach

18-1s-18w Phillips,KS
Knape #1
Job Ticket: 44559 **DST#: 1**
Test Start: 2011.09.20 @ 17:01:04

Tool Information

Drill Pipe:	Length: 3263.00 ft	Diameter: 3.80 inches	Volume: 45.77 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	lb
			<u>Total Volume: 45.92 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial	lb
Depth to Top Packer:	3295.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	50.00 ft				
Tool Length:	78.00 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			3268.00	
Shut In Tool	5.00			3273.00	
Hydraulic tool	5.00			3278.00	
Jars	5.00			3283.00	
Safety Joint	2.00			3285.00	
Packer	5.00			3290.00	28.00 Bottom Of Top Packer
Packer	5.00			3295.00	
Stubb	1.00			3296.00	
Perforations	1.00			3297.00	
Recorder	0.00	6625	Inside	3297.00	
Recorder	0.00	8700	Outside	3297.00	
Blank Spacing	33.00			3330.00	
Perforations	12.00			3342.00	
Bullnose	3.00			3345.00	50.00 Bottom Packers & Anchor

Total Tool Length: 78.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production
PO Box 723
Alma, NE 68920-0723
ATTN: Jason Bach

18-1s-18w Phillips,KS
Knape #1
Job Ticket: 44559 **DST#: 1**
Test Start: 2011.09.20 @ 17:01:04

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: 64.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.95 in ³	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

Total Length: ft Total Volume: bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

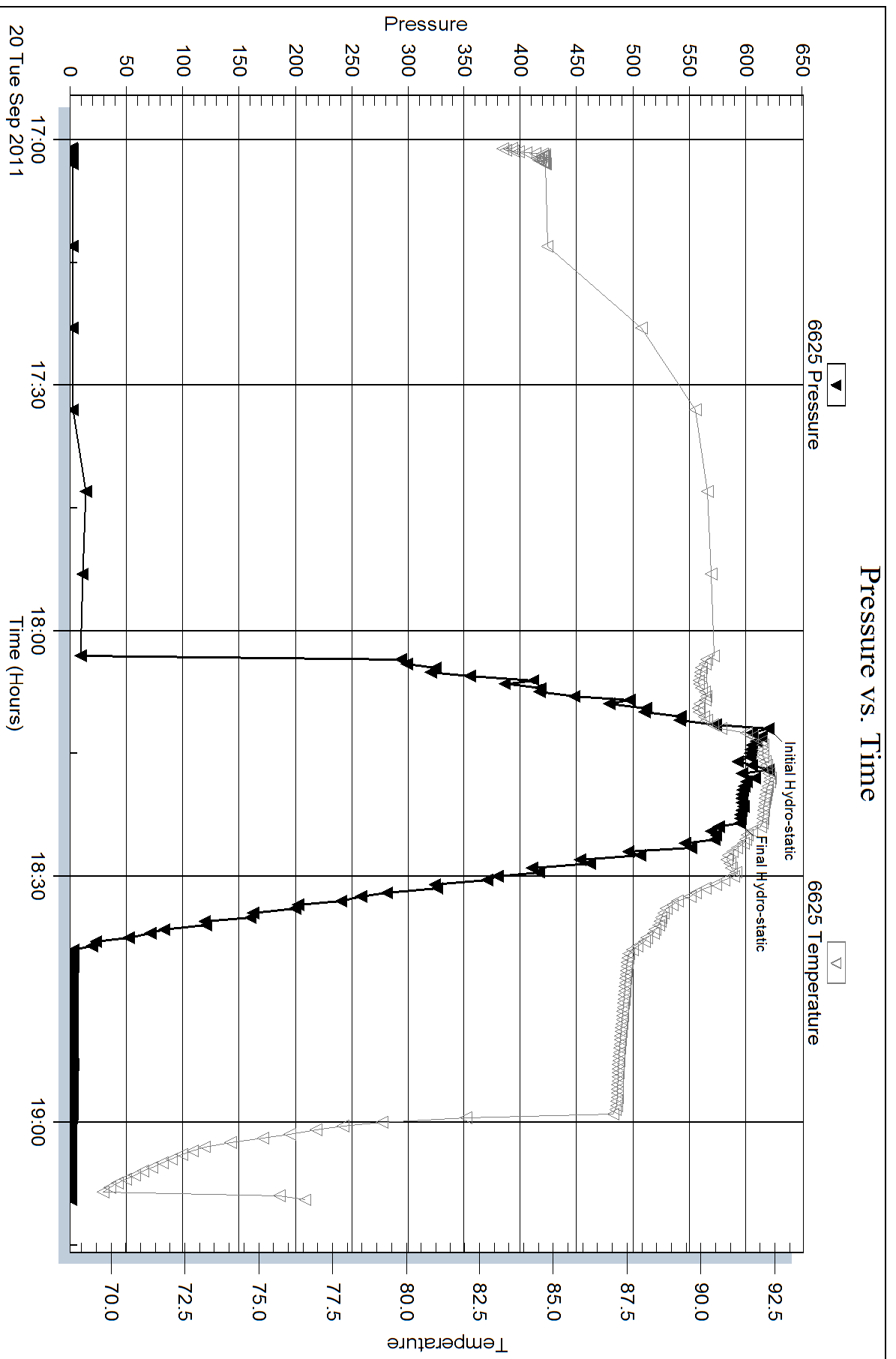
Serial #: 6625

Inside

Bach Oil Production

Knape #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723
Alma, NE 68920-0723

ATTN: Jason Bach

Knape #1

18-1s-18w Phillips,KS

Start Date: 2011.09.21 @ 03:05:29

End Date: 2011.09.21 @ 10:09:53

Job Ticket #: 44560 DST #: 2

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

Printed: 2011.10.24 @ 12:44:17



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Bach Oil Production
PO Box 723
Alma, NE 68920-0723
ATTN: Jason Bach

18-1s-18w Phillips,KS
Knappe #1
Job Ticket: 44560 **DST#: 2**
Test Start: 2011.09.21 @ 03:05:29

GENERAL INFORMATION:

Formation: **LKC C-F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:36:24
Time Test Ended: 10:09:53
Interval: **3295.00 ft (KB) To 3368.00 ft (KB) (TVD)**
Total Depth: 3368.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole (Reset)
Tester: Ray Schwager
Unit No: 42
Reference Elevations: 2255.00 ft (KB)
2250.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6625

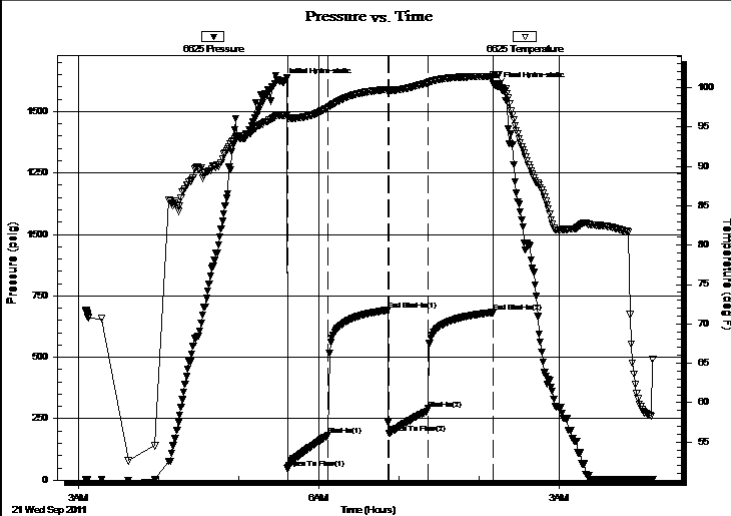
Inside

Press@RunDepth: 290.46 psig @ 3301.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.09.21 End Date: 2011.09.21 Last Calib.: 2011.09.21
Start Time: 03:05:29 End Time: 10:09:53 Time On Btm: 2011.09.21 @ 05:32:54
Time Off Btm: 2011.09.21 @ 08:13:23

TEST COMMENT: 30-IFP-w k to strg in 8 min
45-ISIP-no bl
30-FFP-w k to a fr bl 1/2" to 4"bl
45-FSIP-no bl

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1619.68	96.46	Initial Hydro-static
4	46.53	96.18	Open To Flow (1)
34	182.51	97.45	Shut-In(1)
79	691.34	99.76	End Shut-In(1)
80	190.22	99.65	Open To Flow (2)
109	290.46	100.62	Shut-In(2)
158	682.61	101.40	End Shut-In(2)
161	1603.39	101.68	Final Hydro-static



Recovery

Length (ft)	Description	Volume (bbl)
124.00	Water w/show of oil	1.47
124.00	OCMW 5%O10%M85%W	1.74
62.00	HO&GCWM 5%G20%O25%W50%M	0.87
290.00	HO&GCM 5%G25%O10%W60%M	4.07
20.00	CO	0.28

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 Production
 PO Box 723
 Alma, NE 68920-0723
 ATTN: Jason Bach

18-1s-18w Phillips,KS
Knape #1
 Job Ticket: 44560 **DST#: 2**
 Test Start: 2011.09.21 @ 03:05:29

Tool Information

Drill Pipe:	Length: 3265.00 ft	Diameter: 3.80 inches	Volume: 45.80 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 45.95 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 39000.00 lb
Depth to Top Packer:	3295.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	73.00 ft			
Tool Length:	101.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3268.00	
Shut In Tool	5.00			3273.00	
Hydraulic tool	5.00			3278.00	
Jars	5.00			3283.00	
Safety Joint	2.00			3285.00	
Packer	5.00			3290.00	28.00 Bottom Of Top Packer
Packer	5.00			3295.00	
Stubb	1.00			3296.00	
Perforations	5.00			3301.00	
Recorder	0.00	6625	Inside	3301.00	
Recorder	0.00	8700	Outside	3301.00	
Blank Spacing	64.00			3365.00	
Bullnose	3.00			3368.00	73.00 Bottom Packers & Anchor

Total Tool Length: 101.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production
PO Box 723
Alma, NE 68920-0723
ATTN: Jason Bach

18-1s-18w Phillips,KS
Knape #1
Job Ticket: 44560 **DST#: 2**
Test Start: 2011.09.21 @ 03:05:29

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 67000 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.95 in ³	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
124.00	Water w/show of oil	1.466
124.00	OCMW 5%O10%M85%W	1.739
62.00	HO&GCWM 5%G20%O25%W50%M	0.870
290.00	HO&GCM 5%G25%O10%W60%M	4.068
20.00	CO	0.281

Total Length: 620.00 ft Total Volume: 8.424 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: hit bridge @ approx 1800'
 RW .12 @ 67F

Serial #: 6625

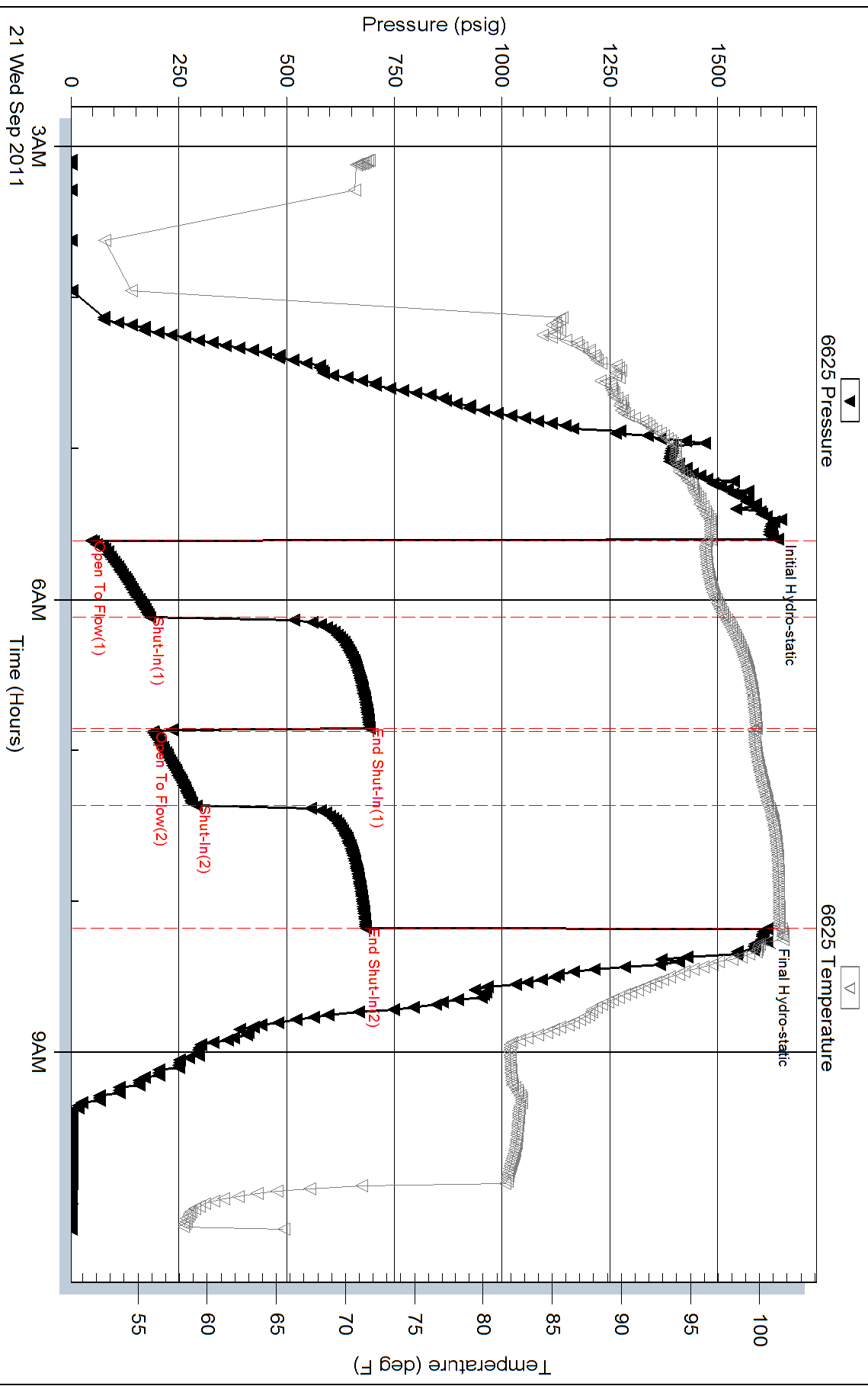
Inside

Bach Oil Production

Knape #1

DST Test Number: 2

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 44560

Printed: 2011.10.24 @ 12:44:18

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



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

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

December 23, 2011

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

Re: ACO1
API 15-147-20653-00-00
Knape 1
SE/4 Sec.18-01S-18W
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