



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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- 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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1048652

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

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

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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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> <i>(Submit ACO-4)</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	LJ Ranch 1
Doc ID	1048652

Tops

Name	Top	Datum
Anhydrite	1735	+386
Base Anhydrite	1763	+358
Topeka	3107	-986
Heebner	3301	-1180
Toronto	3327	-1206
Lansing	3345	-1224
BKC	3545	-1424
Arbuckle	3637	-1516



PO BOX 31 Russell, KS 67665

INVOICE

Invoice Number: 125392

Invoice Date: Nov 26, 2010

Page: 1

Voice: (785) 483-3887
 Fax: (785) 483-5566

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	L J Ranch #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Russell	Nov 26, 2010	12/26/10

Quantity	Item	Description	Unit Price	Amount
150.00	MAT	Class A Common	13.50	2,025.00
3.00	MAT	Gel	20.25	60.75
5.00	MAT	Chloride	51.50	257.50
150.00	SER	Handling	2.25	337.50
70.00	SER	Mileage 150 sx @ .10 per sk per mi	15.00	1,050.00
1.00	SER	Surface	991.00	991.00
70.00	SER	Pump Truck Mileage	7.00	490.00

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

\$ 1042.35

ONLY IF PAID ON OR BEFORE
 Dec 21, 2010

Subtotal	5,211.75
Sales Tax	159.34
Total Invoice Amount	5,371.09
Payment/Credit Applied	
TOTAL	5,371.09

ALLIED CEMENTING CO., LLC. 034026

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Russell

DATE <u>11-26-10</u>	SEC. <u>3</u>	TWP. <u>4</u>	RANGE <u>20</u>	CALLED OUT	ON LOCATION	JOB START <u>1:45 pm</u>	JOB FINISH <u>2:15 pm</u>
LEASE <u>CS Ranch</u>	WELL# <u>1</u>	LOCATION <u>Logan, SN Fint</u>			COUNTY <u>Phillip</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Martin Drilling Rig #16

TYPE OF JOB Surface Job

HOLE SIZE 12 1/4 T.D. 218

CASING SIZE 8 1/2 DEPTH 212.31

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 12.88661

OWNER

CEMENT

AMOUNT ORDERED 150 (on 35cc 286)

COMMON	<u>150</u>	@	<u>13.50</u>	<u>2025.00</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>20.25</u>	<u>60.75</u>
CHLORIDE	<u>5</u>	@	<u>51.50</u>	<u>257.50</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>150</u>	@	<u>2.25</u>	<u>337.50</u>
MILEAGE	<u>110</u>	@	<u>10.50/mile</u>	<u>1050.00</u>
TOTAL				<u>3730.75</u>

EQUIPMENT

PUMP TRUCK CEMENTER Shane

417 HELPER Heath

BULK TRUCK

378 DRIVER Gary

BULK TRUCK

DRIVER

REMARKS:

Ran 5 jts + Cudlig St.

Est Circulation

Mined 150 sks

Cement Circulated

SERVICE

DEPTH OF JOB				
PUMP TRUCK CHARGE				<u>991.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>70</u>	@	<u>7.00</u>	<u>490.00</u>
MANIFOLD		@		
		@		
		@		
TOTAL				<u>1481.00</u>

CHARGE TO: Back Oil

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

	@			
	@			
	@			
	@			
	@			

Thanks!

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or



PO BOX 31 Russell, KS 67665

INVOICE

Invoice Number: 125488

Invoice Date: Dec 1, 2010

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

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	L J Ranch #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-02	Russell	Dec 1, 2010	12/31/10

Quantity	Item	Description	Unit Price	Amount
90.00	MAT	Class A Common	13.50	1,215.00
60.00	MAT	Pozmix	7.55	453.00
3.00	MAT	Gel	20.25	60.75
450.00	MAT	AMD	22.95	10,327.50
6.00	MAT	Salt	21.25	127.50
750.00	MAT	Gilsonite	0.85	637.50
600.00	SER	Handling	2.25	1,350.00
70.00	SER	Mileage 600 sx @.10 per sk per mi	60.00	4,200.00
1.00	SER	Long String	1,957.00	1,957.00
70.00	SER	Pump truck Mileage	7.00	490.00
4.00	SER	Credit Rig Time Hours	350.00	-1,400.00
4.00	EQP	5.5 Basket	161.00	644.00
14.00	EQP	5.5 Centralizer	35.00	490.00
1.00	EQP	5.5 Float Shoe	192.00	192.00
1.00	EQP	5.5 Latch Down Plug	164.00	164.00

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

\$ 4181.65

ONLY IF PAID ON OR BEFORE

Dec 26, 2010

Subtotal	20,908.25
Sales Tax	973.17
Total Invoice Amount	21,881.42
Payment/Credit Applied	
TOTAL	21,881.42

ALLIED CEMENTING CO., LLC. 33725

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Russell

DATE <u>12-10</u>	SEC <u>3</u>	TWP. <u>4</u>	RANGE <u>20</u>	CALLED OUT	ON LOCATION	JOB START <u>9:30am</u>	JOB FINISH <u>10:30am</u>
LEASE <u>L.S Ranch</u>	WELL # <u>1</u>	LOCATION <u>Logan 5N</u>			COUNTY <u>Phillips</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR MMA Fin #16

TYPE OF JOB Long string

HOLE SIZE 7 7/8 T.D.

CASING SIZE 5 1/2 DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 20.86

PERFS.

DISPLACEMENT 89, 81 bbls

OWNER

CEMENT AMOUNT ORDERED

450 AMD

150 6 1/4 102.5 salt 5# Gilsomite 22601

COMMON	<u>90</u>	@	<u>13.50</u>	<u>1215.00</u>
POZMIX	<u>60</u>	@	<u>7.55</u>	<u>453.00</u>
GEL	<u>3</u>	@	<u>20.25</u>	<u>60.75</u>
CHLORIDE		@		
ASC		@		
<u>AMD</u>	<u>450</u>	@	<u>22.95</u>	<u>10327.50</u>
<u>Salt</u>	<u>6</u>	@	<u>21.25</u>	<u>127.50</u>
<u>Gilsomite</u>	<u>750 #</u>	@	<u>.85</u>	<u>637.50</u>
		@		
		@		
		@		
		@		
HANDLING	<u>600</u>	@	<u>2.25</u>	<u>1350.00</u>
MILEAGE	<u>1050k/mile</u>			<u>4200.00</u>
				TOTAL <u>18371.25</u>

EQUIPMENT

PUMP TRUCK CEMENTER Bill

403 HELPER Heth

BULK TRUCK

473 DRIVER Ron

BULK TRUCK

DRIVER Kevin

REMARKS:

Pipe set @ 370 2.83

Shoe jr. 20.86

Insert 36 81.97

Cemt @ 410.00 And Follow @ 150.00

6 1/4

pump plug w/ 89.81 bbls land plug 1600'

15 MH

25 RH

Cemt did Circ.

CHARGE TO: BACH D&I

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>1957.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>70</u>	@	<u>2.00</u> <u>490.00</u>
MANIFOLD		@	
Rig Time	<u>4hrs</u>	@	<u>350.</u> <u>-1400.00</u>
		@	

TAKE off

4 hrs Rig time

@ 3.50 @/hr.

TOTAL 1047.00

PLUG & FLOAT EQUIPMENT

<u>4 - Baskets</u>	@	<u>161.00</u>	<u>644.00</u>
<u>14 Cementation</u>	@	<u>35.00</u>	<u>490.00</u>
<u>1 - Float shoe</u>	@		<u>192.00</u>
<u>1 - Latch draw</u>	@		<u>164.00</u>

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

BACH OIL PRODUCTION

WELL: LJ RANCH #1

LOC.: 1600' FNL & 380' FEL
 SEC. 2-4-20W
 PHILLIPS COUNTY, KANSAS
 API: 15-147-20635-00-00

DRILLING CONTR.: MURFIN RIG #16
 SPUD: 11-26-10 COMP: 12-01-10
 MUD UP: 2900' TYPE MUD: CHEM.
 DRILL TIME: 3000-RTD
 RTD: 3700' LTD: 3699'
 SAMPLES SAVED: 3000'-RTD
 GEOLOGIST: ROBERT J. PETERSEN

ELEVATION

KB: 2121'
 GL: 2116'
 LOG MEASURED
 FROM: KB

SURFACE CASING

8 5/8" surface csg.
 Set @217' KB.
 Cem. w/150sx Common,
 3% CC, 2% Gel.

PRODUCTION CASING

5 1/2", 14#
 casing set @3699'
 cem w\600sx
 circ. to surface

WELL LOG SURVEYS

RAG & Sonic w/micro

ELECTRIC LOG TOPS

Formation	Depth	Datum	Postion
Stone Corral	1735	386	-20
Base Stone Corral	1763	358	-23
Topeka	3107	-986	-4
Heebner	3301	-1180	-2
Toronto	3327	-1206	0
Lansing	3345	-1224	-5
BKC	3545	-1424	5
Arbuckle	3637	-1516	-1



REFERENCE WELL:

Sowle Exploration
 Novak#2
 E/2 NE/4 2-4-20W KB 2116

REMARKS AND RECOMMENDATIONS

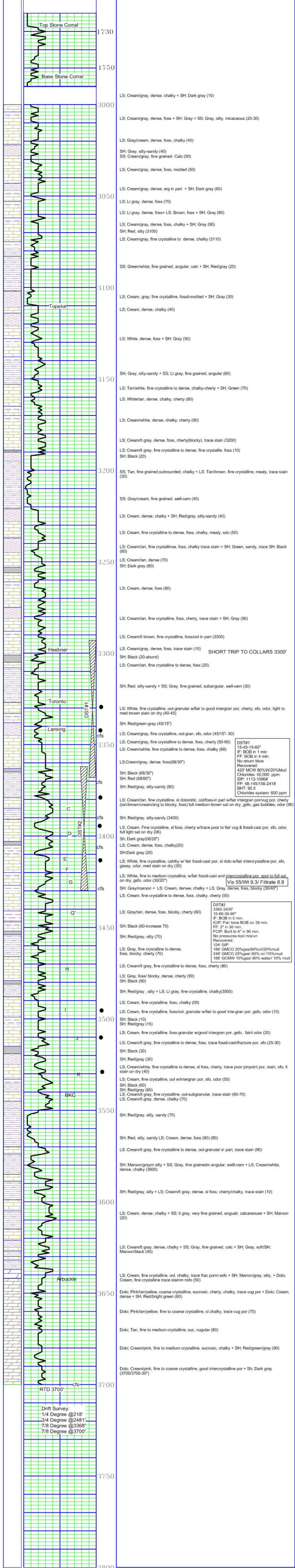
The operator has run production casing in order to further test this well.

Robert J. Petersen
 Robert J. Petersen

DAILY REPORT

@7:00 A.M.

11/24/2010 MIRU
 11/25/2010 Thanksgiving off
 11/26/2010 Spud
 11/27/2010 1000' Drilling
 11/28/2010 2600' Drilling
 11/29/2010 3368' CFS
 11/30/2010 3430' DST#2
 12/01/2010 3700' RTD
 Conditioning hole for casing





DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

3-4s-20w Phillips, KS

LJ-Ranch #1

Start Date: 2010.11.29 @ 09:55:00

End Date: 2010.11.29 @ 16:02:30

Job Ticket #: 040111 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bach Oil Production

LJ-Ranch #1

PO Box 723
Alma, NE 68920

3-4s-20w Phillips, KS

ATTN: Bob Peterson

Job Ticket: 040111

DST#: 1

Test Start: 2010.11.29 @ 09:55:00

GENERAL INFORMATION:

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

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:46:30

Time Test Ended: 16:02:30

Test Type: Conventional Bottom Hole

Tester: Chuck Kreuzer Jr.

Unit No: 36

Interval: 3293.00 ft (KB) To 3368.00 ft (KB) (TVD)

Reference Elevations: 2121.00 ft (KB)

Total Depth: 3368.00 ft (KB) (TVD)

2116.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6741

Inside

Press@RunDepth: 240.78 psig @ 3302.50 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.11.29

End Date:

2010.11.29

Last Calib.:

2010.11.29

Start Time: 09:55:01

End Time:

16:02:30

Time On Btm:

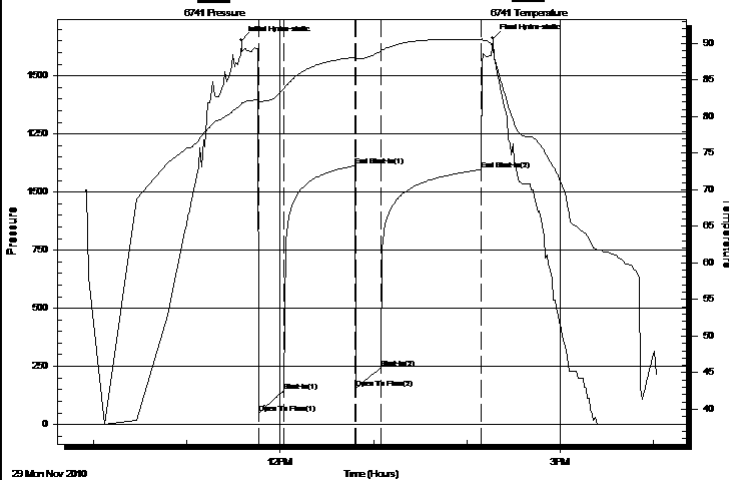
2010.11.29 @ 11:35:00

Time Off Btm:

2010.11.29 @ 14:16:30

TEST COMMENT: IF: Strong blow B.O.B in 3 mins.
IS: No blow back over 45 mins.
FF: Strong blow B.O.B in 4 mins.
FS: No blow back over 60 mins.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1653.86	81.71	Initial Hydro-static
12	47.88	82.02	Open To Flow (1)
28	144.71	83.88	Shut-In(1)
73	1113.48	88.12	End Shut-In(1)
74	156.10	87.71	Open To Flow (2)
90	240.78	88.90	Shut-In(2)
154	1095.54	90.53	End Shut-In(2)
162	1661.18	89.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
420.00	mcw -20% m80% w	5.60

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

LJ-Ranch #1

PO Box 723
Alma, NE 68920

3-4s-20w Phillips, KS

ATTN: Bob Peterson

Job Ticket: 040111

DST#: 1

Test Start: 2010.11.29 @ 09:55:00

Tool Information

Drill Pipe:	Length: 3265.00 ft	Diameter: 3.80 inches	Volume: 45.80 bbl	Tool Weight: 2800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 45.96 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3293.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.00 ft			
Tool Length:	103.00 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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Shut In Tool	5.00			3270.00	
Hydraulic tool	5.00			3275.00	
Jars	5.00			3280.00	
Safety Joint	3.00			3283.00	
Packer	5.00			3288.00	28.00 Bottom Of Top Packer
Packer	5.00			3293.00	
Stubb	1.00			3294.00	
Perforations	8.00			3302.00	
Change Over Sub	0.50			3302.50	
Recorder	0.00	6752	Inside	3302.50	
Recorder	0.00	6741	Inside	3302.50	
Blank Spacing	62.00			3364.50	
Change Over Sub	0.50			3365.00	
Bullnose	3.00			3368.00	75.00 Bottom Packers & Anchor

Total Tool Length: 103.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

LJ-Ranch #1

PO Box 723
Alma, NE 68920

3-4s-20w Phillips, KS

Job Ticket: 040111

DST#: 1

ATTN: Bob Peterson

Test Start: 2010.11.29 @ 09:55:00

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:

40000 ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.38 ohm.m

Gas Cushion Pressure:

psig

Salinity: 600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
420.00	mcw -20% m80%w	5.600

Total Length: 420.00 ft Total Volume: 5.600 bbl

Num Fluid Samples: 0

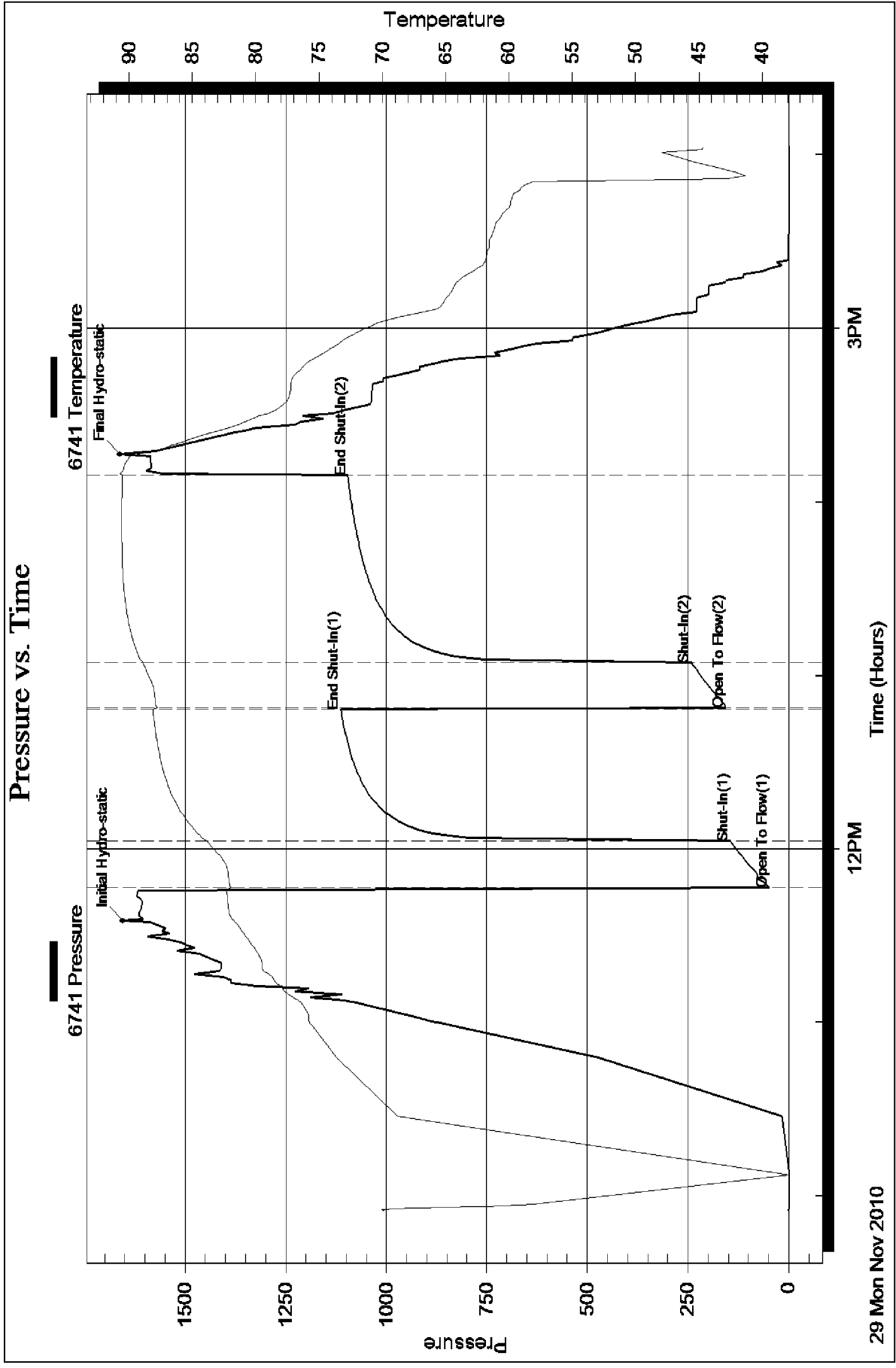
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

3-4s-20w Phillips, KS

LJ-Ranch #1

Start Date: 2010.11.30 @ 00:50:00

End Date: 2010.11.30 @ 08:50:00

Job Ticket #: 040112 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Bach Oil Production

LJ-Ranch #1

PO Box 723
Alma, NE 68920

3-4s-20w Phillips, KS

ATTN: Bob Peterson

Job Ticket: 040112

DST#: 2

Test Start: 2010.11.30 @ 00:50:00

GENERAL INFORMATION:

Formation: **LKC C-G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:00:30

Time Test Ended: 08:50:00

Test Type: Conventional Bottom Hole

Tester: Chuck Kreuzer Jr.

Unit No: 36

Interval: 3362.00 ft (KB) To 3430.00 ft (KB) (TVD)

Reference Elevations: 2121.00 ft (KB)

Total Depth: 3430.00 ft (KB) (TVD)

2116.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6741

Inside

Press@RunDepth: 772.67 psig @ 3373.50 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.11.30

End Date:

2010.11.30

Last Calib.: 2010.11.30

Start Time: 00:50:01

End Time:

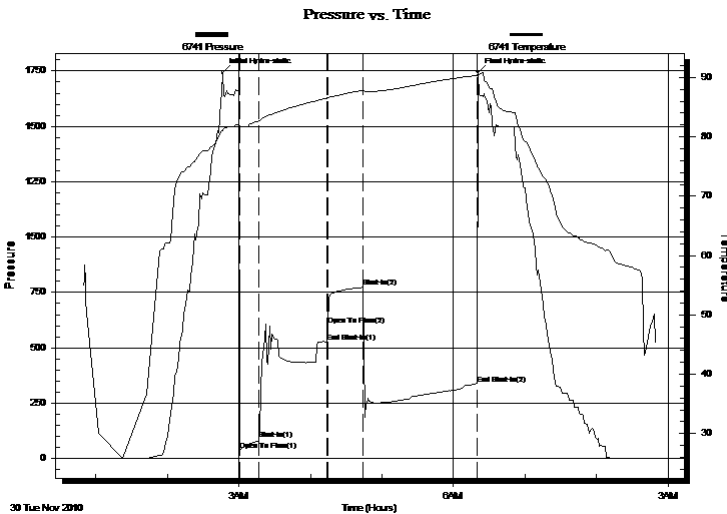
08:50:00

Time On Btm: 2010.11.30 @ 02:46:30

Time Off Btm: 2010.11.30 @ 06:20:30

TEST COMMENT: IF: Strong blow, Built to B.O.B in 5 mins.
IS: Fair blow, Built to B.O.B in 38 mins.
FF: Weak blow, Built to 2 in. over 30 mins.
FS: Weak blow, Built to 4in. over 90 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1741.11	81.13	Initial Hydro-static
14	35.72	81.70	Open To Flow (1)
31	85.52	82.71	Shut-In(1)
88	527.20	86.56	End Shut-In(1)
88	600.34	86.61	Open To Flow (2)
118	772.67	87.78	Shut-In(2)
213	337.53	90.37	End Shut-In(2)
214	1743.64	90.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	gmcw -10%g 10%m 80%w	2.32
248.00	gmco-25%g 15%m 60%o	3.48
186.00	gmco-20%g 20%m 60%o	2.61
0.00	124ft. GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

LJ-Ranch #1

PO Box 723
Alma, NE 68920

3-4s-20w Phillips, KS

Job Ticket: 040112

DST#: 2

ATTN: Bob Peterson

Test Start: 2010.11.30 @ 00:50:00

Tool Information

Drill Pipe:	Length: 3328.00 ft	Diameter: 3.80 inches	Volume: 46.68 bbl	Tool Weight: 2800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 46.84 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3362.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.00 ft			
Tool Length:	96.00 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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Shut In Tool	5.00			3339.00	
Hydraulic tool	5.00			3344.00	
Jars	5.00			3349.00	
Safety Joint	3.00			3352.00	
Packer	5.00			3357.00	28.00 Bottom Of Top Packer
Packer	5.00			3362.00	
Stubb	1.00			3363.00	
Perforations	10.00			3373.00	
Change Over Sub	0.50			3373.50	
Recorder	0.00	6752	Inside	3373.50	
Recorder	0.00	6741	Inside	3373.50	
Blank Spacing	32.00			3405.50	
Change Over Sub	0.50			3406.00	
Perforations	21.00			3427.00	
Bullnose	3.00			3430.00	68.00 Bottom Packers & Anchor

Total Tool Length: 96.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

LJ-Ranch #1

PO Box 723
Alma, NE 68920

3-4s-20w Phillips, KS

Job Ticket: 040112

DST#: 2

ATTN: Bob Peterson

Test Start: 2010.11.30 @ 00:50:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 57.00 sec/qt
Water Loss: 7.98 in³
Resistivity: ohm.m
Salinity: 1000.00 ppm
Filter Cake: 2.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	gmcw - 10%g 10%m 80%w	2.318
248.00	gmco-25%g 15%m 60%o	3.479
186.00	gmco-20%g 20%m 60%o	2.609
0.00	124ft. GIP	0.000

Total Length: 620.00 ft Total Volume: 8.406 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

