



KANSAS CORPORATION COMMISSION 1048652
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
- 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 #: _____

11/26/2010	12/01/2010	12/10/2010
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-147-20635-00-00

Spot Description: _____
NW NE SE NE Sec. 3 Twp. 4 S. R. 20 East West
1,600 Feet from North / South Line of Section
380 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Phillips

Lease Name: LJ Ranch Well #: 1

Field Name: Wildcat

Producing Formation: BKC

Elevation: Ground: 2116 Kelly Bushing: 2121

Total Depth: 3700 Plug Back Total Depth: 3677

Amount of Surface Pipe Set and Cemented at: 217 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: 3699
feet depth to: 0 w/ 600 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 18000 ppm Fluid volume: 500 bbls

Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: Deanna Garrison Date: 02/08/2011



1048652

Operator Name: Bach, Jason dba Bach Oil Production Lease Name: LJ Ranch Well #: 1
 Sec. 3 Twp. 4 S. R. 20 East West County: Phillips

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Rag Sonic	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Attached Attached Attached
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CASING RECORD <input checked="" 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
Surface	12.25	8.625	20	217	COM	150	3% CC/2% Gel
Production	7.875	5.5	14	3699	AMD	600	2% Gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ Plug Off Zone	-			

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
4	'C' @ 3377' to 3380'	300 gal 15% MCA; retreat 750 gal 20% NEDNO 3% solvent	
4	'I' @ 3490' to 3499'	1000 gal 15% MCA; retreat 1000 gal 20% NEDNO 3% solvent	
4	'J' @ 3507' to 3510'	1000 gal 15% MCA; retreat 1000 gal 20% NEDNO 3% solvent	
4	'K' @ 3529' to 3531'	1000 gal 15% MCA; retreat 1000 gal 20% NEDNO 3% solvent	

TUBING RECORD: Size: <u>2 3/8"</u> Set At: <u>3670'</u> Packer At: <u> </u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>12/24/2010</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
Estimated Production Per 24 Hours	Oil Bbls. <u>60</u> Gas Mcf <u> </u> Water Bbls. <u>25</u> Gas-Oil Ratio <u> </u> Gravity <u>26</u>

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 checked="" 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: <u>BKC</u>
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Form	ACO1 - Well Completion
Operator	Bach, Jason dba Bach Oil Production
Well Name	LJ Ranch 1
Doc ID	1048652

Tops

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

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

INVOICE

Invoice Number: 125392
 Invoice Date: Nov 26, 2010
 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	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	Subtotal	5,211.75
	Sales Tax	159.34
	Total Invoice Amount	5,371.09
	Payment/Credit Applied	
	TOTAL	5,371.09

\$ 1042.35

ONLY IF PAID ON OR BEFORE
 Dec 21, 2010

ALLIED CEMENTING CO., LLC. 034026

SHIP 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 SW E1/4</u>		COUNTY <u>Phillips</u>	STATE <u>Ks</u>		
OLD OR NEW (Circle one)							

CONTRACTOR Murfin Drilling Rig #16

TYPE OF JOB Surface Job

HOLE SIZE 12 1/4 T.D. 218

CASING SIZE 8 5/8 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)

EQUIPMENT

PUMP TRUCK CEMENTER Shane

417 HELPER Heath

BULK TRUCK

378 DRIVER Gary

BULK TRUCK

_____ DRIVER _____

COMMON	<u>150</u>	@	<u>13.50</u>	<u>2025.00</u>
POZMIX		@		
GEL	<u>7</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 1/4 miles</u>			<u>1050.00</u>
				TOTAL <u>3730.75</u>

REMARKS:

Ran 5 jets + Curing Jet

Est Circulation

Minced 150 sks

Cement Circulation

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 cement 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

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

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

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

ALLIED CEMENTING CO., LLC. 33725

MIT 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>9:30 AM</u>	JOB FINISH <u>12:30 PM</u>
LEASE <u>L.S. Ranch</u>	WELL # <u>1</u>	LOCATION <u>Logan SW</u>			COUNTY <u>Phillips</u>	STATE <u>KS</u>	

OLD OR NEW (Circle one)

CONTRACTOR MNF #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

EQUIPMENT

PUMP TRUCK CEMENTER Bill

403 HELPER Heth

BULK TRUCK

473 DRIVER Ron

BULK TRUCK

DRIVER Kevin

Driver

OWNER

CEMENT

AMOUNT ORDERED

450 AMD

150 6x40 105.5 salt 5# Gelsomite 22 Gal

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>Gelsomite</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>10.5 hr/mile</u>			<u>4200.00</u>
				TOTAL <u>18371.25</u>

REMARKS:

Pipe out @ 370 2.83
Shoe jr. 20.86
Excess 36 81.97
Cement 410 lbs And Followed with
6x40
Pump plug w/ 89.81 bbls land plug 1600
15 MH Cement did Circ.
25 RH

CHARGE TO: BACH Dil

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE 1957.00

EXTRA FOOTAGE @

MILEAGE 70 @ 7.00 490.00

MANIFOLD @

Rig Time 4 hrs @ 350. -1400.00

TAKE off
4 hrs Rig time
@ 350 @/hr.

TOTAL 1047.00

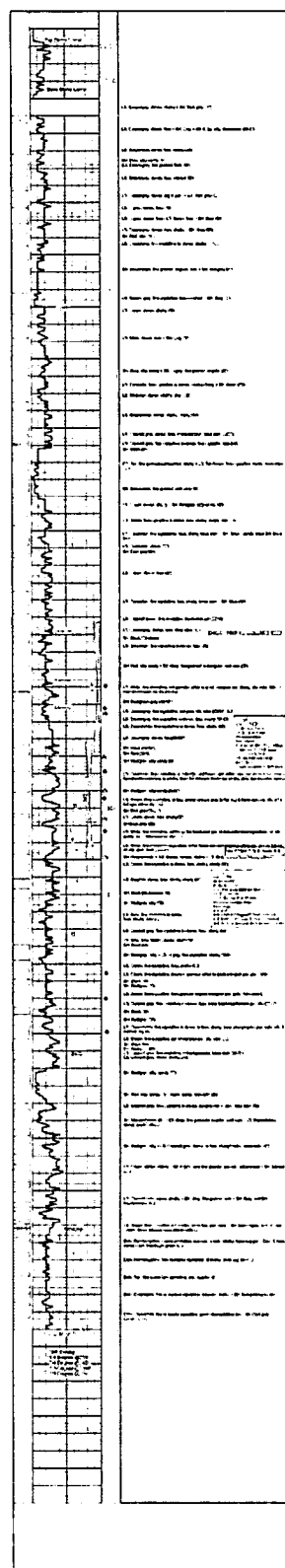
PLUG & FLOAT EQUIPMENT

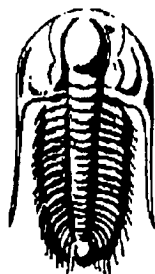
<u>4 - Baskets</u>	@	<u>161.00</u>	<u>644.00</u>
<u>14 Cementation</u>	@	<u>35.00</u>	<u>490.00</u>
<u>1 - Float shoe</u>	@		<u>192.00</u>
<u>1 - Latchdown</u>	@		<u>164.00</u>

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

GEOLOGIST'S REPORT
C. H. & P. M. AND ASSOCIATES, LTD.

<p>DATE OF FIELD WORK 1954 - 1955</p> <p>PROJECT TITLE WATER RESOURCES INVESTIGATION IN THE SOUTHWESTERN PART OF THE DISTRICT OF COLUMBIA</p> <p>AND OTHER SOUTHWESTERN PART OF THE DISTRICT OF COLUMBIA</p> <p>PREPARED BY J. W. H. WILSON, JR.</p> <p>DATE OF REPORT 1955</p> <p>SCALE AS SHOWN ON MAP</p>	<p>LOCATION SOUTHWESTERN PART OF THE DISTRICT OF COLUMBIA</p> <p>SECTION WATER RESOURCES INVESTIGATION IN THE SOUTHWESTERN PART OF THE DISTRICT OF COLUMBIA</p> <p>SECTION NUMBER 1</p> <p>SECTION TITLE WATER RESOURCES INVESTIGATION IN THE SOUTHWESTERN PART OF THE DISTRICT OF COLUMBIA</p>
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**TRILOBITE
TESTING, INC.**

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

Bach Oil Production

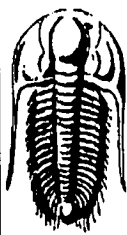
LJ-Ranch #1

3-4s-20w Phillips, KS

DST # 1

Toronto-LKC"A"

2010.11.29



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

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 Kreutzer 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:

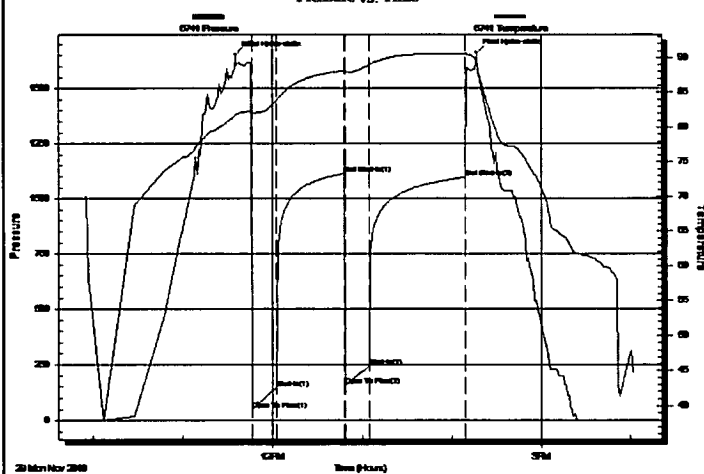
16:02:30

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

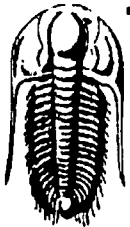
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1653.86	81.71	Initial Hydro-static
12	47.88	82.02	Open To Flow (1)
28	144.71	83.88	Shut-In(1)
73	1113.48	88.12	End Shut-In(1)
74	156.10	87.71	Open To Flow (2)
90	240.78	88.90	Shut-In(2)
154	1095.54	90.53	End Shut-In(2)
162	1661.18	89.29	Final Hydro-static

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

Job Ticket: 040111

DST#: 1

ATTN: Bob Peterson

Test Start: 2010.11.29 @ 09:55:00

Tool Information

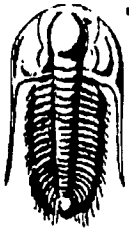
Drill Pipe:	Length: 3265.00 ft	Diameter: 3.80 inches	Volume: 45.80 bbl	Tool Weight: 2800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose: 55000.00 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:

bbl

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

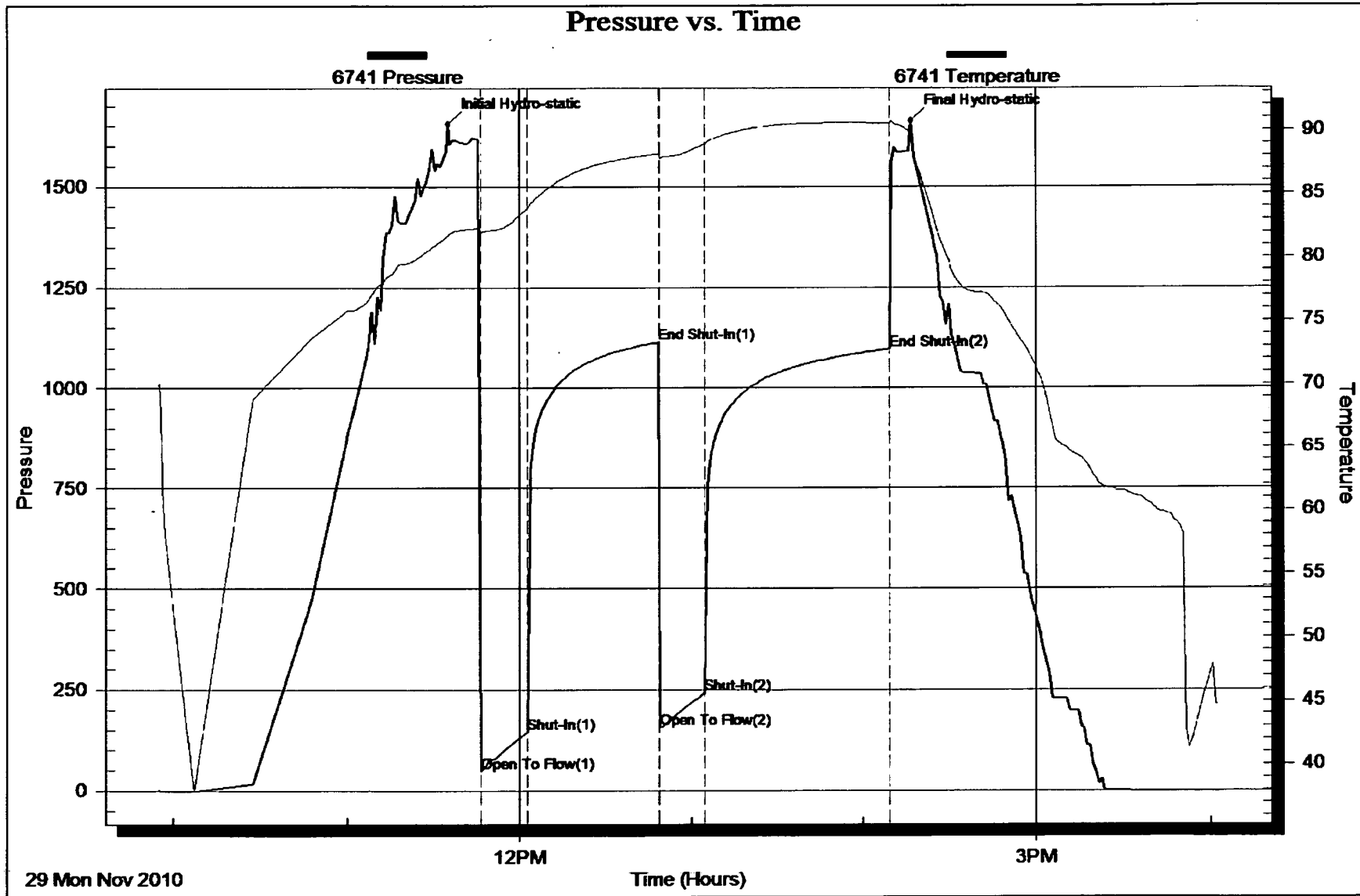
Num Gas Bombs: 0

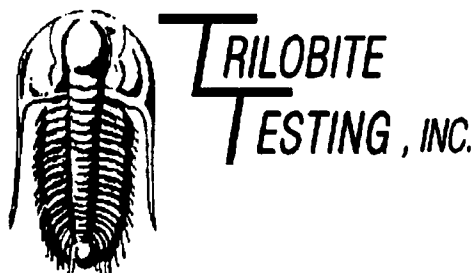
Serial #:

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

Bach Oil Production

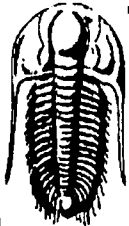
LJ-Ranch #1

3-4s-20w Phillips, KS

DST # 2

LKC C-G

2010.11.30



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

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 Kreutzer Jr.**

Unit No: **36**

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

Total Depth: **3430.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2121.00 ft (KB)**

2116.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6741

Inside

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

Start Date: **2010.11.30**

End Date:

2010.11.30

Start Time: **00:50:01**

End Time:

08:50:00

Capacity: **8000.00 psig**

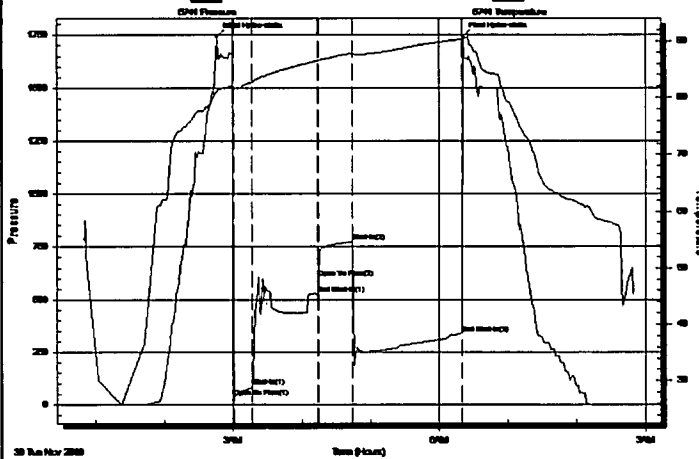
Last Calib.: **2010.11.30**

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 vs. Time



PRESSURE SUMMARY

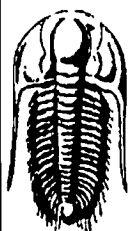
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1741.11	81.13	Initial Hydro-static
14	35.72	81.70	Open To Flow (1)
31	85.52	82.71	Shut-In(1)
88	527.20	86.56	End Shut-In(1)
88	600.34	86.61	Open To Flow (2)
118	772.67	87.78	Shut-In(2)
213	337.53	90.37	End Shut-In(2)
214	1743.64	90.71	Final Hydro-static

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

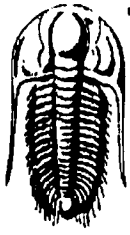
Test Start: 2010.11.30 @ 00:50:00

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
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

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
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 bbf

Num Fluid Samples: 0

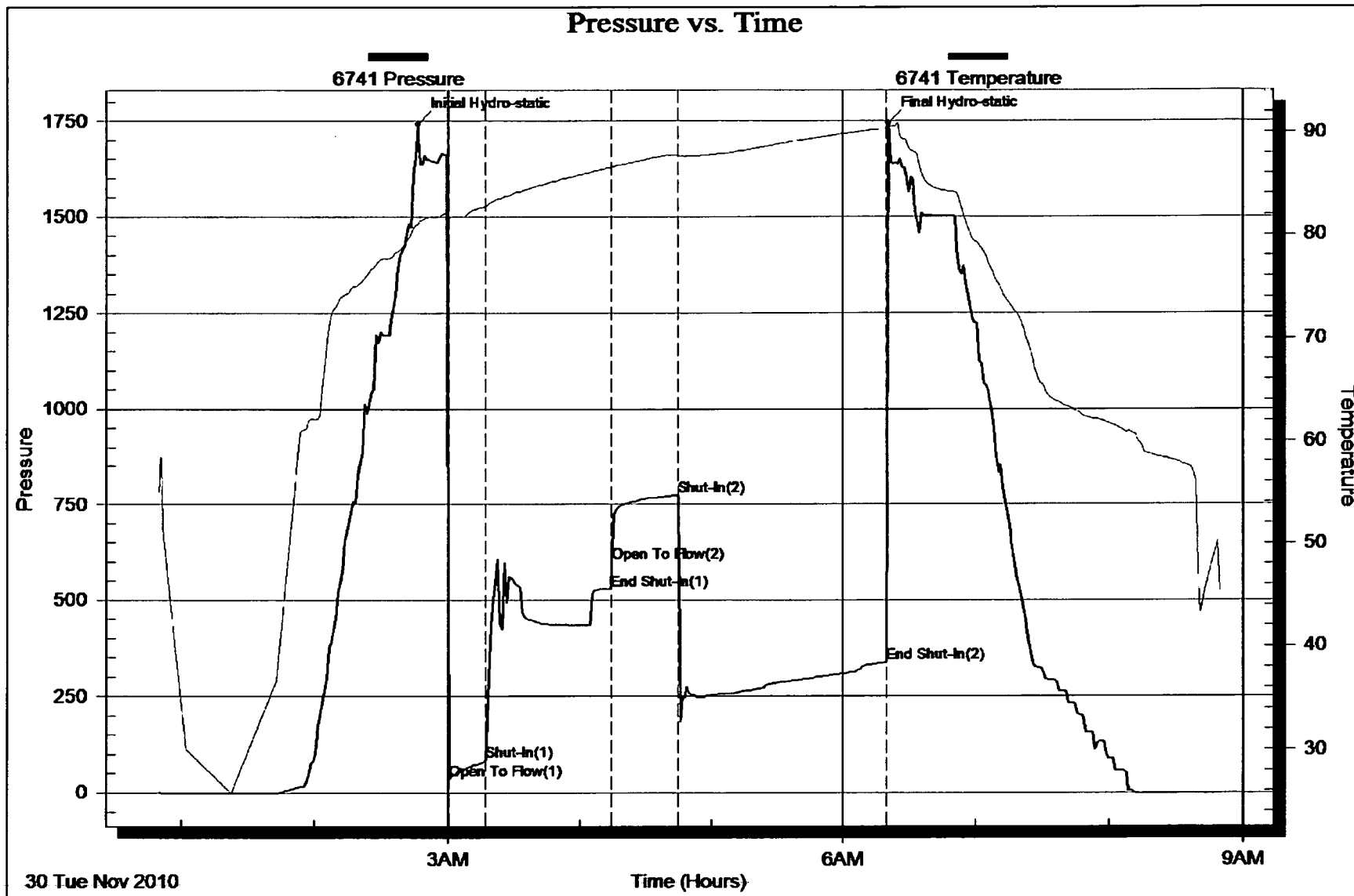
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



30 Tue Nov 2010