



KANSAS CORPORATION COMMISSION 1044933  
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: ( 785 ) 476-5254  
CONTRACTOR: License # 30606  
Name: Murfin Drilling Co., Inc.  
Wellsite Geologist: Bob Peterson  
Purchaser: Coffeyville Resources

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 #: \_\_\_\_\_

|                                   |                   |   |
|-----------------------------------|-------------------|---|
| <u>07/06/2010</u>                 | <u>07/11/2010</u> | <u>07/21/2010</u>                       |
| Spud Date or<br>Recompletion Date | Date Reached TD   | Completion Date or<br>Recompletion Date |

API No. 15-147-20630-00-00  
Spot Description: \_\_\_\_\_  
SE SE NE SE Sec. 3 Twp. 2 S. R. 19  East  West  
1,341 Feet from  North /  South Line of Section  
166 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Phillips  
Lease Name: KAUK-VANKOOTEN UNIT Well #: 1  
Field Name: Wildcat  
Producing Formation: Lansing Kansas City  
Elevation: Ground: 2192 Kelly Bushing: 2197  
Total Depth: 3750 Plug Back Total Depth: 3738  
Amount of Surface Pipe Set and Cemented at: 224 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from: 3750  
feet depth to: 0 w/ 600 sx cmt.

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)  
Chloride content: 28000 ppm Fluid volume: 1100 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 #: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

**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: 10/04/2010



1044933

Operator Name: Bach, Jason dba Bach Oil Production Lease Name: KAUK-VANKOOTEN UNIT Well #: 1  
 Sec. 3 Twp. 2 S. R. 19  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<br><i>(Attach Additional Sheets)</i>          | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum | <input type="checkbox"/> Sample |
| Samples Sent to Geological Survey                                    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Name Attached  | Top Datum Attached              |
| 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<br><i>(If no, Submit Copy)</i> | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |  |                                 |
| List All E. Logs Run:<br>Log<br>Rig<br>Sonic<br>Micro                |   |  |                                 |

| 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                | 224           | COM            | 150          | 3%CC/2% Gel                |
| Production  | 7.875             | 5.50                      | 14                | 3738          | AMD            | 600          |                            |

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

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br><i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
| 4              | "F" @ 3436' to 3440'  | 300 gal 15% MCA retreat 1500 gal 20% NEFE  |       |
| 4              | "I" @ 3508' to 3517'  | 300 gal 15% MCA retreat 1500 gal 20% NEFE  |       |
|                |   |  |       |
|                |   |  |       |

|  |   |                     |                      |  |
|--|---|---------------------|----------------------|--|
| TUBING RECORD:   | Size: <u>2 3/8</u>  | Set At: <u>3693</u> | Packer At:           | Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Date of First, Resumed Production, SWD or ENHR.<br><u>07/30/2010</u> | Producing Method:<br><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>35</u>   | Gas Mcf             | Water Bbls. <u>5</u> | Gas-Oil Ratio <u>36</u>  |

|   |   |                                    |
|---|---|------------------------------------|
| DISPOSITION OF GAS:<br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION:<br><input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i><br><input type="checkbox"/> Other <i>(Specify)</i> _____ | PRODUCTION INTERVAL:<br><u>LKC</u> |
|---|---|------------------------------------|

|           |                                     |
|-----------|-------------------------------------|
| Form      | ACO1 - Well Completion              |
| Operator  | Bach, Jason dba Bach Oil Production |
| Well Name | KAUK-VANKOOTEN UNIT 1               |
| Doc ID    | 1044933                             |

Tops

| Name              | Top  | Datum |
|-------------------|------|-------|
| Base Ft. Hays     | 556  | +1641 |
| Stone Corral      | 1755 | +442  |
| Base Stone Corral | 1776 | +421  |
| Topeka            | 3101 | -904  |
| Heebner           | 3315 | -1118 |
| Toronto           | 3353 | -1156 |
| Lansing           | 3364 | -1167 |
| BKC               | 3577 | -1380 |
| Arbuckle          | 3723 | -1526 |



PO BOX 31 Russell, KS. 67665

# INVOICE

Invoice Number: 123513

Invoice Date: Jul 11, 2010

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

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

|                               |  |                                     |                            |
|-------------------------------|--|-------------------------------------|----------------------------|
| <b>Customer ID</b><br>Bach    | <b>Well Name # or Customer P.O.</b><br>Kauk Vankooten #1 | <b>Payment Terms</b><br>Net 30 Days |                            |
| <b>Job Location</b><br>KS2-02 | <b>Camp Location</b><br>Russell                          | <b>Service Date</b><br>Jul 11, 2010 | <b>Due Date</b><br>8/10/10 |

| Quantity | Item | Description                          | Unit Price | Amount    |
|----------|------|--------------------------------------|------------|-----------|
| 600.00   | MAT  | AMD                                  | 22.95      | 13,770.00 |
| 600.00   | MAT  | Handling:                            | 2.25       | 1,350.00  |
| 50.00    | MAT  | Mileage 600' sx @ .10 per sk per mi' | 60.00      | 3,000.00  |
| 1.00     | SER  | Production String                    | 1,957.00   | 1,957.00  |
| 50.00    | SER  | Pump Truck Mileage                   | 7.00       | 350.00    |
| 4.00     | EQP  | 5.5 Basket                           | 161.00     | 644.00    |
| 12.00    | EQP  | 5.5 Centralizer                      | 35.00      | 420.00    |
| 1.00     | EQP  | 5.5 AFU Insert                       | 112.00     | 112.00    |
| 1.00     | EQP  | 5.5 Guide Shoe                       | 101.00     | 101.00    |
| 1.00     | EQP  | 5.5 Rubber Plug                      | 43.00      | 43.00     |

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

\$ 5426.95

ONLY IF PAID ON OR BEFORE  
Aug 5, 2010

|                        |                  |
|------------------------|------------------|
| Subtotal               | 21,747.00        |
| Sales Tax              | 1,026.12         |
| Total Invoice Amount   | 22,773.12        |
| Payment/Credit Applied |                  |
| <b>TOTAL</b>           | <b>22,773.12</b> |

# ALLIED CEMENTING CO., LLC.

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

SERVICE POINT:  
Russell

|                                |                 |   |                 |            |                        |                          |                           |
|--------------------------------|-----------------|---|-----------------|------------|------------------------|--------------------------|---------------------------|
| DATE <u>7-11-10</u>            | SEC. <u>3</u>   | TWP. <u>2</u>                               | RANGE <u>19</u> | CALLED OUT | ON LOCATION            | JOB START <u>8:00 AM</u> | JOB FINISH <u>9:00 AM</u> |
| LEASE <u>KAWK Vanhook</u>      | WELL # <u>1</u> | LOCATION <u>Phillipsburg W to Hunter Rd</u> |                 |            | COUNTY <u>Phillips</u> | STATE <u>KS</u>          |                           |
| OLD OR <u>NEW</u> (Circle one) |                 |   |                 | <u>6'</u>  |                        |                          |                           |

CONTRACTOR Munfin #16  
 TYPE OF JOB Production String  
 HOLE SIZE 7 1/2 T.D. 3770  
 CASING SIZE 5 1/2 DEPTH 3752.38  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT 17.42  
 CEMENT LEFT IN CSG. 17.42  
 PERFS.  
 DISPLACEMENT 91.14 bbl  
 EQUIPMENT

OWNER  
 CEMENT AMOUNT ORDERED 600 AMD  
 COMMON @  
 POZMIX @  
 GEL @  
 CHLORIDE @  
 ASC @  
 AMD 600 @ 22.95 13770.00  
 HANDLING 600 @ 2.25 1350.00  
 MILEAGE 110/16/16 @ 3000.00  
 TOTAL 18,120.00

PUMP TRUCK CEMENTER  
 # 477 HELPER Heath  
 BULK TRUCK  
 # 477 DRIVER John  
 BULK TRUCK  
 # 378 DRIVER Shane

REMARKS:

Ret. Hble 30sk,  
Man. Hble 15 sk,  
Inst @ 3734.96  
5 mix 550 sks down casing  
Shut down wash pump & line  
Displace 91.14 bbl. Lead 140  
@ 13000 psi  
Float Held

Cement. Circulated 5061 h Pit

CHARGE TO: Bach Oil Production

STREET  
 CITY STATE ZIP

SERVICE

DEPTH OF JOB  
 PUMP TRUCK CHARGE 1957.00  
 EXTRA FOOTAGE @  
 MILEAGE 50 @ 7.00 350.00  
 MANIFOLD @  
 TOTAL 2307.00

PLUG & FLOAT EQUIPMENT

4 Baskets @ 161.00 644.00  
12 - Cents @ 35.00 420.00  
AGU - Insert @ 112.00  
Guide St. @ 101.00

To Allied Cementing Co., LLC.

*Thanks!*



PO BOX 31 Russell, KS 67665

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

# INVOICE

Invoice Number: 123460  
Invoice Date: Jul 6, 2010  
Page: 1

|  |
|--|
| <b>Bill To:</b>  |
| Bach Oil Production<br>R. R. #1 Box 28<br>Phillipsburg, KS 67661 |

|                     |                                    |                      |                 |
|---------------------|------------------------------------|----------------------|-----------------|
| <b>Customer ID</b>  | <b>Well Name# or Customer P.O.</b> | <b>Payment Terms</b> |                 |
| Bach                | KauVankortenUnit#1                 | Net 30 Days          |                 |
| <b>Job Location</b> | <b>Camp Location</b>               | <b>Service Date</b>  | <b>Due Date</b> |
| KS2-01              | Russell                            | Jul 6, 2010          | 8/5/10          |

| 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   |
| 50.00    | SER  | Mileage 150 sx @.10 per sk per mi | 15.00      | 750.00   |
| 1.00     | SER  | Surface                           | 991.00     | 991.00   |
| 50.00    | SER  | Pump Truck Mileage                | 7.00       | 350.00   |

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

\$ 119.24

ONLY IF PAID ON OR BEFORE  
Jul 31, 2010

|                        |                 |
|------------------------|-----------------|
| Subtotal               | 4,771.75        |
| Sales Tax              | 159.34          |
| Total Invoice Amount   | 4,931.09        |
| Payment/Credit Applied |                 |
| <b>TOTAL</b>           | <b>4,931.09</b> |

# ALLIED CEMENTING CO., LLC. 041547

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

SERVICE POINT:  
Russell

|                                  |               |                |                                   |            |                        |                        |                         |
|----------------------------------|---------------|----------------|-----------------------------------|------------|------------------------|------------------------|-------------------------|
| DATE <u>7-6-10</u>               | SEC. <u>3</u> | TWP. <u>2</u>  | RANGE <u>19</u>                   | CALLED OUT | ON LOCATION            | JOB START <u>4:30p</u> | JOB FINISH <u>5:00p</u> |
| LEASE <u>Kauk-Vankosten Unit</u> |               | WELL# <u>1</u> | LOCATION <u>Speed N to Hwy 36</u> |            | COUNTY <u>Phillips</u> | STATE <u>Ks</u>        |                         |
| OLD OR <u>NEW</u> (Circle one)   |               |                | <u>R.N. New Ninto</u>             |            |                        |                        |                         |

CONTRACTOR Mudco Drilling Pj #11 OWNER \_\_\_\_\_  
TYPE OF JOB Surface Sub

|                                |                     |  |
|--------------------------------|---------------------|--|
| HOLE SIZE <u>12 1/8</u>        | T.D. <u>225</u>     | CEMENT AMOUNT ORDERED <u>150 Co. 32 cc</u> |
| CASING SIZE <u>8 1/2</u>       | DEPTH <u>224.19</u> | <u>28.661</u>                              |
| TUBING SIZE                    | DEPTH               |  |
| DRILL PIPE                     | DEPTH               |  |
| TOOL                           | DEPTH               |  |
| PRES. MAX                      | MINIMUM             |  |
| MEAS. LINE                     | SHOE JOINT          |  |
| CEMENT LEFT IN CSG. <u>15'</u> |                     |  |
| PERFS.                         |                     |  |
| DISPLACEMENT <u>13.32 661</u>  |                     |  |

EQUIPMENT

|                                       |  |
|---------------------------------------|--|
| PUMP TRUCK CEMENTER <u>Steve</u>      |  |
| # <u>J98</u> HELPER <u>Paul</u>       |  |
| BULK TRUCK                            |  |
| # <u>473-157</u> DRIVER <u>Gleann</u> |  |
| BULK TRUCK                            |  |
| # DRIVER                              |  |

REMARKS:  
Run 6 Sts + Landly St.  
Est. Circulation  
Mixed 150 skt  
Cement Circulated

CHARGE TO: Boch Oil Productions  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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

*Thanks!*

|                          |                |                |
|--------------------------|----------------|----------------|
| COMMON <u>150</u>        | @ <u>13.50</u> | <u>2025.00</u> |
| POZMIX                   | @              |                |
| GEL <u>3</u>             | @ <u>20.21</u> | <u>60.72</u>   |
| CHLORIDE <u>5</u>        | @ <u>51.50</u> | <u>257.50</u>  |
| ASC                      | @              |                |
|                          | @              |                |
|                          | @              |                |
|                          | @              |                |
|                          | @              |                |
|                          | @              |                |
| HANDLING <u>150</u>      | @ <u>2.21</u>  | <u>332.50</u>  |
| MILEAGE <u>110/114.6</u> |                | <u>750.00</u>  |
| TOTAL                    |                | <u>3430.72</u> |

SERVICE

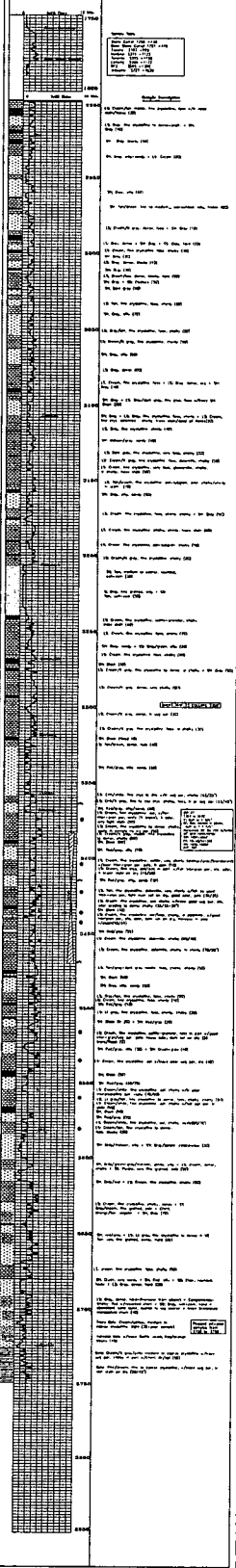
|                   |                             |                |
|-------------------|-----------------------------|----------------|
| DEPTH OF JOB      |                             |                |
| PUMP TRUCK CHARGE | <u>991.00</u>               |                |
| EXTRA FOOTAGE     | @                           |                |
| MILEAGE <u>50</u> | @ <u>7.00</u> <u>350.00</u> |                |
| MANIFOLD          | @                           |                |
|                   | @                           |                |
|                   | @                           |                |
| TOTAL             |                             | <u>1341.01</u> |

PLUG & FLOAT EQUIPMENT

|  |   |
|--|---|
|  | @ |
|  | @ |
|  | @ |
|  | @ |

GEOLOGIST'S REPORT  
GEOLOGIC TIME AND STRATIGRAPHY

COMPANY OR INDIVIDUAL  
LEASE NO. \_\_\_\_\_  
FIELD NO. \_\_\_\_\_  
LOCATION (TWP., R., S., SEC.)  
SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ R. \_\_\_\_\_  
COUNTY \_\_\_\_\_ STATE \_\_\_\_\_  
WELL NO. \_\_\_\_\_  
DATE \_\_\_\_\_  
WELL DEPTH (FEET) \_\_\_\_\_  
WELL TYPE (OIL, GAS, WATER) \_\_\_\_\_  
WELL STATUS (DRILLING, COMPLETION, ABANDONED) \_\_\_\_\_  
WELL LOG NUMBER \_\_\_\_\_  
WELL LOG SHEET NO. \_\_\_\_\_  
WELL LOG SCALE \_\_\_\_\_  
WELL LOG DATE \_\_\_\_\_  
WELL LOG BY \_\_\_\_\_  
WELL LOG CHECKED BY \_\_\_\_\_  
WELL LOG APPROVED BY \_\_\_\_\_  
WELL LOG REVIEWED BY \_\_\_\_\_  
WELL LOG REVISIONS \_\_\_\_\_







**DRILL STEM TEST REPORT**

Prepared For: **Bach Oil Production**

PO Box 23  
Alma, NE 68920

ATTN: Bob Peterson

**3 2s 19w Phillips KS**

**Kauk - Vankooten Unit #1**

Start Date: 2010.07.09 @ 17:24:00

End Date: 2010.07.10 @ 00:21:00

Job Ticket #: 38335      DST #: 1

Triobite Testing, Inc  
PO Box 1733 Hays, KS.67601  
ph: 785-625-4778 fax: 785-625-5620

Bach Oil Production


Kauk - Vankooten Unit #1

3 2s 19w Phillips KS

DST # 1

LKC "B - G"

2010.07.09

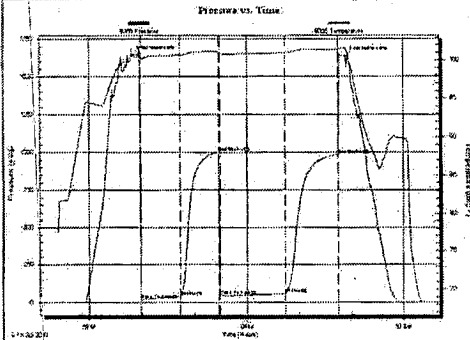
|   |  |  |
|---|--|--|
|  | <b>DRILL STEM TEST REPORT</b>  |  |
|   | Bach Oil Production<br>PO Box 23<br>Alma, NE 68920<br>ATTN: Bob Peterson | <b>Kauk - Vankooten Unit #1</b><br>3 2s 19w Phillips KS<br>Job Ticket: 38335      DST#: 1<br>Test Start: 2010.07.09 @ 17:24:00 |

**GENERAL INFORMATION:**

|  |                                       |
|--|---------------------------------------|
| Formation: LKC "B - G"                               | Test Type: Conventional Bottom Hole   |
| Deviated: No      Whipstock:      ft (KB)            | Tester: James Winder                  |
| Time Tool Opened: 18:58:30                           | Unit No: 46                           |
| Time Test Ended: 00:21:00                            | Reference Elevations: 2197.00 ft (KB) |
| Interval: 3383.00 ft (KB) To 3470.00 ft (KB) (TVD)   | 2192.00 ft (CF)                       |
| Total Depth: 3470.00 ft (KB) (TVD)                   | KB to GR/CF: 5.00 ft                  |
| Hole Diameter: 7.88 inches      Hole Condition: Fair |                                       |

|  |                                     |
|--|-------------------------------------|
| <b>Serial #: 8366</b> Inside                     | Capacity: 8000.00 psig              |
| Press@RunDepth: 58.17 psig @ 3384.00 ft (KB)     | Last Calib.: 2010.07.10             |
| Start Date: 2010.07.09      End Date: 2010.07.10 | Time On Blm: 2010.07.09 @ 18:49:00  |
| Start Time: 17:24:05      End Time: 00:20:59     | Time Off Blm: 2010.07.09 @ 22:53:30 |

**TEST COMMENT:** F: Blow built to 1 3/4"  
 IS: Bled off, No blow back  
 FF: Blow started @ 28 min., built to 1 1/2"  
 FSI: Bled off, No blow back



| PRESSURE SUMMARY |                 |              |                      |
|------------------|-----------------|--------------|----------------------|
| Time (Min.)      | Pressure (psig) | Temp (deg F) | Annotation           |
| 0                | 1639.91         | 100.60       | Initial Hydro-static |
| 10               | 18.43           | 100.19       | Open To Flow (1)     |
| 55               | 40.22           | 100.70       | Shut-in(1)           |
| 99               | 1001.19         | 101.16       | End Shut-in(1)       |
| 100              | 43.71           | 100.84       | Open To Flow (2)     |
| 175              | 58.17           | 101.01       | Shut-in(2)           |
| 236              | 985.62          | 101.46       | End Shut-in(2)       |
| 245              | 1637.63         | 101.60       | Final Hydro-static   |

| Recovery    |                  |              |
|-------------|------------------|--------------|
| Length (ft) | Description      | Volume (bar) |
| 60.00       | OCM 82% m, 18% o | 0.30         |
| 30.00       | OM 54% m, 46% o  | 0.17         |
|             |                  |              |
|             |                  |              |

| Gas Rates      |                 |                  |  |
|----------------|-----------------|------------------|--|
| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |  |
|                |                 |                  |  |



**TRILOBITE TESTING, INC.**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Batch Of Production

Kauk - Vankooten Unit #1

PO Box 23  
Aina, NE 68920

3-2s 19w Phillips KS

ATTN: Bob Peterson

Job Ticket: 38335 DST#: 1

Test Start: 2010.07.09 @ 17:24'00

**Tool Information**

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 3300.00 ft | Diameter: 3.80 inches | Volume: 46.29 bbl              | Tool Weight: 3500.00 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: 88.00 ft   | Diameter: 2.25 inches | Volume: 0.43 bbl               | Weight to Pull Loose: 75000.00 lb  |
|                           |                    |                       | <u>Total Volume: 46.72 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 32.00 ft           |                       |                                | String Weight: Initial 47000.00 lb |
| Depth to Top Packer:      | 3383.00 ft         |                       |                                | Final 48000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 87.00 ft           |                       |                                |                                    |
| Tool Length:              | 114.00 ft          |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:  
Worked through tight spot @ joints off bottom

| Tool Description          | Length (ft)   | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|---------------------------|---------------|------------|----------|------------|-------------------------------|
| S.I. Tool                 | 5.00          |            |          | 3361.00    |                               |
| HYD S.I. Tool             | 5.00          |            |          | 3366.00    |                               |
| Jars                      | 5.00          |            |          | 3371.00    |                               |
| Safety Joint              | 2.00          |            |          | 3373.00    |                               |
| Packer                    | 5.00          |            |          | 3378.00    | 27.00 Bottom Of Top Packer    |
| Packer                    | 5.00          |            |          | 3383.00    |                               |
| Shale Packer              | 0.00          |            |          | 3383.00    |                               |
| Stubb                     | 1.00          |            |          | 3384.00    |                               |
| Recorder                  | 0.00          | 8366       | inside   | 3384.00    |                               |
| Recorder                  | 0.00          | 8320       | inside   | 3384.00    |                               |
| Perforations              | 15.00         |            |          | 3399.00    |                               |
| Blank Spacing             | 65.00         |            |          | 3464.00    |                               |
| Perforations              | 3.00          |            |          | 3467.00    |                               |
| Bullnose                  | 3.00          |            |          | 3470.00    | 87.00 Bottom Packers & Anchor |
| <b>Total Tool Length:</b> | <b>114.00</b> |            |          |            |                               |



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Batch Oil Production

Kauk - Vankooten Unit #1

PO Box 23  
Alma, NE 68920

3 2s 19w Phillips KS

Job Ticket: 38335 DST#: 1

ATTN: Bob Peterson

Test Start: 2010.07.09 @ 17:24:00

**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: 45.00 sec/qt

Cushion Volume:

bbt

Water Loss: 8.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 1.00 inches

**Recovery Information**

Recovery Table

| Length<br>ft. | Description      | Volume<br>bbt |
|---------------|------------------|---------------|
| 60.00         | OCM 82% m, 18% o | 0.295         |
| 30.00         | OM 54% m, 46% o  | 0.166         |

Total Length: 90.00 ft Total Volume: 0.461 bbt

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8366

Inside Bach Oil Production

3 2s 15w Phillips KS

DST Test Number: 1

