

### Kansas Corporation Commission Oil & Gas Conservation Division

1066633

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 #   | API No. 15   |
|---|--|
| Name:   | Spot Description:  |
| Address 1:  | SecTwpS. R 🔲 East 🗌 West   |
| Address 2:  | Feet from North / South Line of Section  |
| City: State: Zip:+  | Feet from East / West Line of Section  |
| Contact Person:   | Footages Calculated from Nearest Outside Section Corner:   |
| Phone: ()   | □NE □NW □SE □SW  |
| CONTRACTOR: License #   | County:  |
| Name:   | Lease Name: Well #:  |
| Wellsite Geologist:   | Field Name:  |
| Purchaser:  | Producing Formation:   |
| Designate Type of Completion:   | Elevation: Ground: Kelly Bushing:  |
| New Well Re-Entry Workover  | Total Depth: Plug Back Total Depth:  |
| Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd.  CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.): | Amount of Surface Pipe Set and Cemented at: Feet  Multiple Stage Cementing Collar Used?  |
| If Workover/Re-entry: Old Well Info as follows:   |  |
| Operator:   | 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: License #:  Quarter Sec Twp S. R East West  County: Permit #: |
| Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date                             |  |

#### **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 I II Approved by: Date:      |

Side Two



| Operator Name:   |  |  | Lease Name                    | e:                                     |                          |   | _ Well #:         |                     |
|--|--|--|-------------------------------|--|--------------------------|---|-------------------|---------------------|
| Sec Twp  | S. R   | East West  | County:                       |  |                          |   |                   |                     |
| time tool open and clos  | sed, flowing and shut<br>s if gas to surface tes | I base of formations per<br>in pressures, whether set, along with final chart<br>well site report. | shut-in pressure              | reached s                              | static level,            | hydrostatic press                           | sures, bottom h   | ole temperature, fl |
| Orill Stem Tests Taken (Attach Additional S                              |  | Yes No   |                               | Log                                    | Formatio                 | n (Top), Depth an                           | d Datum           | Sample              |
| Samples Sent to Geolo  |  | ☐ Yes ☐ No   | N                             | lame                                   |                          |   | Тор               | Datum               |
| Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy) | I Electronically                                 | Yes No Yes No Yes No   |                               |  |                          |   |                   |                     |
| List All E. Logs Run:  |  |  | RECORD [                      |  | Used                     |   |                   |                     |
|  | Size Hole  | Report all strings set-<br>Size Casing   | -conductor, surface<br>Weight |  | ate, producti<br>Setting | on, etc.  Type of                           | # Sacks           | Type and Percen     |
| Purpose of String  | Drilled  | Set (In O.D.)  | Lbs. / Ft.                    |  | Depth                    | Cement                                      | Used              | Additives           |
|  |  | ADDITIONA  | L OFMENTING (                 | 00115575                               | DECORD                   |   |                   |                     |
|  |  | ADDITIONA  | L CEMENTING / :               | SQUEEZE                                | RECORD                   |   |                   |                     |
| Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone            | Depth<br>Top Bottom                              | Type of Cement   | # Sacks Used                  | d                                      |                          | Type and F                                  | Percent Additives |                     |
|  |  |  |                               |  |                          |   |                   |                     |
| Shots Per Foot   |  | ON RECORD - Bridge Plu<br>ootage of Each Interval Pe   |                               |  |                          | cture, Shot, Cement<br>mount and Kind of Ma | •                 | d Depth             |
|  |  |  |                               |  |                          |   |                   |                     |
| TUBING RECORD:   | Size:  | Set At:  | Packer At:                    | Line                                   | r Run:                   | Yes No                                      |                   |                     |
| Date of First, Resumed I   | Production, SWD or ENI                           | HR. Producing Me   | thod:                         | Gas Li                                 | ift C                    | Other (Explain)                             |                   |                     |
| Estimated Production<br>Per 24 Hours                                     | Oil E  | Bbls. Gas  | Mcf                           | Water                                  | В                        | bls. (                                      | Gas-Oil Ratio     | Gravity             |
| DISPOSITIO   | Used on Lease                                    | Open Hole  | METHOD OF COM                 | MPLETION:<br>ually Comp<br>omit ACO-5) | . Cor                    | nmingled<br>mit ACO-4)                      | PRODUCTIO         | ON INTERVAL:        |
| (If vented, Sub  | mit ACO-18.)                                     | Other (Specify)  |                               |  |                          |   |                   |                     |



242769

TICKET NUMBER 28091

LOCATION OAKLELES

FOREMAN HEZZY

PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676

## FIELD TICKET & TREATMENT REPORT

| DATE          | or 800-467-8676                         | 200                |              | CEMEN  |                                       |                 |                 | K5         |
|---------------|---|--------------------|--------------|--|---------------------------------------|-----------------|-----------------|------------|
|               |   |                    | L NAME & NUM | BER  | SECTION                               | TOWNSHIP        | RANGE           | COUNTY     |
| CUSTOMER      | 1487                                    | Benkar             | en B         |  | 8                                     | 13              | 33              | LOSAN      |
| SOS I OIVIER  |   |                    |              |  |                                       |                 |                 |            |
| MAILING ADDRE | Exploration                             | 4.610              |              | -  | TRUCK#                                | DRIVER          | TRUCK#          | DRIVER     |
|               |   |                    |              |  | 463                                   | Jan hG          |                 |            |
| CITY          |   | STATE              | ZIP CODE     | - 1  | 528                                   | Damonn          |                 |            |
|               |   | SIAIE              | ZIP CODE     | 1 1  | 127                                   |                 | 7               |            |
|               | 7 11 1                                  |                    |              | J [  |                                       |                 |                 |            |
|               | Collab                                  |                    |              | _ HOLE DEPTH   |                                       | CASING SIZE & \ | WEIGHT 4        | 2          |
| ASING DEPTH   |   | DRILL PIPE         |              | _TUBING  | -                                     |                 | OTHER P.C.      | 01/42735   |
| LURRY WEIGH   | T12.4                                   | SLURRY VOL_        | 1.98         | WATER gal/sl   | k 10.8                                | CEMENT LEET in  | CASING          |            |
| ISPLACEMENT   | 9,17                                    | <b>DISPLACEMEN</b> | T PSI        | MIX PSI  |                                       | RATE            | •               |            |
| EMARKS: 3     | 31.84 W                                 | 50.18 53           | av W         | I con Con  | Worke                                 | UTA D           |                 |            |
| 1455 (1       | GSYN P-                                 | (ollars)           | @ 1200       | 0 4  | D-C-(                                 | lan and         | 1.61            | •          |
| Mix 40        | OSES                                    | inte 114           | #Closen 1    | 42/200   | 28 1()                                | displace 8      | 12 RAL          | lace by Ca |
| and de        | ct 40 1                                 | 200                | bledb        | 11200  |                                       | 4111145         | 1 = STING C     | IBSE PICO  |
| cleans        | in'th                                   | 20 80              | 1 24         | · · · · · · · · · · · · · · · · · · ·  | BOWNE                                 | uning 5         | Kacas           | 50 465     |
| C +           | ment de                                 |                    | - Lot        | * J C  | THE VEN                               | uning 5         | 245             |            |
|               | MEIC. CX                                | ies et             | 150140       | 6 40   | D. 8                                  |                 |                 |            |
|               |   |                    |              |  |                                       | ••              |                 |            |
|               |   | -                  |              |  |                                       |                 | <del>,</del>    |            |
|               | -                                       |                    |              |  | 10                                    | wants F         | 2764 G          | Crow       |
| ACCOUNT       | a contract of                           |                    | I            |  |                                       |                 |                 | ,          |
| CODE          | QUANITY                                 | or UNITS           | DE           | SCRIPTION of   | SERVICES or PR                        | ODUCT           | UNIT PRICE      | TOTAL      |
| 401 B         |   |                    | PUMP CHARG   | E  |                                       |                 | 160000          | 160000     |
| 5406          | 10                                      |                    | MILEAGE      |  |                                       |                 | 500             | 5000       |
| 5407          | 17.                                     | 2 702              | TONM         | ileane   | Delivery                              | Current         | 138             | 41000      |
|               |   |                    |              |  |                                       | (MICO)          |                 | ((0        |
| 1131          | 40                                      | 0585               | 6014         | 0 005  |                                       |                 | 1435            | 574000     |
| 11188         | 27.                                     | 52 ==              | Bond         | ONITR  |                                       |                 |                 | 6604       |
| 1107          |   | 0 *                | Callo        | The second secon |                                       |                 | 124             |            |
| 1105          |   | 0×                 |              | Serd 6   |                                       |                 | 266             | 26600      |
|               |   |                    | COMOR        | SEED V   | rung                                  |                 | 152             | 104-       |
|               |   |                    |              |  |                                       | و ا ا ما        | ,               | 0 4        |
|               |   |                    |              |  |                                       | Subdet          |                 | 8830       |
|               | -                                       |                    |              |  |                                       | 1455 20%        | 8166            | 1766 48    |
|               |   |                    |              |  |                                       |                 |                 | 7064 3     |
|               |   |                    |              |  |                                       |                 |                 |            |
|               |   |                    |              |  |                                       |                 |                 |            |
|               |   |                    | -            |  |                                       |                 |                 |            |
|               | ***                                     |                    |              |  |                                       |                 |                 |            |
| <del></del>   |   |                    |              |  |                                       |                 |                 |            |
|               | * · · · · · · · · · · · · · · · · · · · |                    |              | The same of the sa | · · · · · · · · · · · · · · · · · · · | 2 00            |                 | 1100       |
| 1             |   |                    |              |  |                                       | 7.890           | SALES TAX       | 433.48     |
| 1 3737        |   | Λ                  | 111          |  |                                       |                 | FOTILITIES      |            |
| 3737          |   | R                  | thell        | 181  | nan X-Pe                              | ert             | ESTIMATED TOTAL | 7486.86    |

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



28063 TICKET NUMBER\_

LOCATION ()ckley US

FOREMAN MILES Show ORT Walt Dinkel

| PO  | Box  | 884,  | Cha  | nute. | KS   | 66720 |
|-----|------|-------|------|-------|------|-------|
| 620 | -431 | -9210 | or ( | 800-  | 167_ | 8676  |

## FIELD TICKET & TREATMENT REPORT

| DATE               | CUSTOMER#    |             |              | OFINE        | l <u>I</u> |                 |           |   |
|--------------------|--------------|-------------|--------------|--------------|------------|-----------------|-----------|---|
|                    | COSTOMER#    |             | L NAME & NUM | BER          | SECTION    | TOWNSHIP        | RANGE     | COUNTY  |
| 7-2-11<br>CUSTQMER | 1 1487       | Berker      | en 'B' #     | 1            | 8          | 13.5            | 33 W      | <del>  ,                                   </del> |
| Blake              | 5-10-1       |             |              | Musument     | <b>O</b>   | _ در.           |           | Lugar Co M  |
| MAILING ADDR       | Ess xplurati | 0 %         |              | 125          | TRUCK#     | DRIVER          | TRUCK#    | DRIVER  |
|                    |              |             |              | 1/2 East     | 443        | Josh 6          |           | BRIVER  |
| CITY               |              | loz.        |              | 13 000       | 439        | Daman M.        |           |   |
|                    |              | STATE       | ZIP CODE     |              | ,          | 04/14/1/        |           |   |
| L                  |              |             |              |              |            |                 |           |   |
| JOB TYPE Su        | stace        | HOLE SIZE   | 2 1/4"       | HOLE DEPTH   | 728        | CACING SIZZ S   | 054       | "/ 227  |
| CASING DEPTH       | 227.79       | DRILL PIPE  |              | TUBING       | 951        | CASING SIZE & W | EIGHT 8 % | "F 23#  |
| SLURRY WEIGH       | IT15.2       | SLURRY VOL_ | 40 hh/s      | /1           |            |                 | OTHER     |   |
| DISPLACEMENT       | 13/46/18     | DISPLACEMEN | 1            | WATER gal/si |            | CEMENT LEFT in  | CASING/5/ | 20'   |
| REMARKS: S         | a Chhi man   | 1 - A       | 1 731 130    | MIX PSI      |            | RATE 5 66/      | min       |   |
| Mixed 16           | 5 Com 38     | ting hi     | up on m      | win to       | 2 Roraula  | RATE 5 65/1     |           |   |
| 7 7 7 4 7 1 2      | SLOM JE      | CC 3B       | gel di       | spiced       | 3/4 bbls @ | 150 psi         |           |   |
|                    |              |             |              |              |            |                 |           |   |
|                    |              |             |              |              |            |                 |           |   |
|                    |              |             |              |              |            |                 |           |   |
|                    |              | · ·         |              |              |            |                 |           |   |
|                    |              |             |              |              |            |                 |           |   |
|                    |              |             |              |              |            |                 |           |   |

|                 |   | in J                               | ~1.6               |                       |
|-----------------|---|------------------------------------|--------------------|-----------------------|
| ACCOUNT<br>CODE | QUANITY or UNITS                              | DESCRIPTION of SERVICES or PRODUCT | ST Crew UNIT PRICE | TOTAL                 |
| 54015           | 1   | PUMP CHARGE                        |                    | 311                   |
| 5406            | 20  | MILEAGE                            | 1025,60            | 1025.                 |
| 11045           | 165545  | Class Acement                      | 14.80              | 100.                  |
| 1107            | 465   | Class Acement<br>Calcium Chloride  | 10.                | 390.00                |
| [118B           | 310   | Rentanita                          | 181                | 74.40                 |
| 5407            | 776 Ton                                       | ton miteage delivery               | 1.58               | 410,00                |
|                 |   |                                    |                    | 1701                  |
|                 |   |                                    |                    |                       |
|                 |   |                                    |                    |                       |
|                 | ** <u>*</u> * * * * * * * * * * * * * * * * * |                                    |                    |                       |
|                 |   |                                    |                    |                       |
|                 |   | Cement of Corcalite                |                    |                       |
|                 |   |                                    |                    |                       |
|                 |   |                                    | Sub kta/           | 4772,00               |
|                 |   | 1055 158 dis                       |                    | = 715, 80<br>4,056,20 |
|                 |   | 2110 750                           |                    | 4,056,00              |
| in 3737         |   | 192552 7.88                        | SALES TAX          | 2/1/4/                |
| 1.              | 00 , 70                                       |                                    | ESTIMATED          | 1000 TO               |

TITLE PUSHER

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



30717 TILET NUMBER LOCATION Oakle FOREMAN Kel

## FIELD TICKET & TREATMENT REPORT

| DATE   | CUSTOMER#                                    | WELL         | NAME & NUME  | BER  | SECTION  | TOWNSHIP        | RANGE   | COUNTY   |
|--|--|--------------|--|--|--|-----------------|---|--|
| 7-9-11   | 148>   | Berka        | reno   |  | 8  | 13              | 33  | LOGGY  |
| CUSTOMER   |  | - \          |  | Monumer  |  |                 | +64610  |  |
| 13191  | Ze EX  | DI           |  | 125  | TROCK#   | DRIVER          | TRUCK#  | DRIVER   |
| MAILING ADDRES   | 55   | •            |  |  | 463  | Miles 5         |   |  |
|  |  |              |  | Einto  | 528+T127   | Damon M         |   |  |
| CITY   | ľ  | STATE        | ZIP CODE   |  |  |                 |   |  |
|  |  |              |  | ]  |  |                 |   |  |
| JOB TYPE 🗘 🗘   | 9-0  | HOLE SIZE 7  | 7/8  | HOLE DEPTH   | 14600  | CASING SIZE & V | VEIGHT <u>イソノ</u> ク   | 1110#  |
| CASING DEPTH_  | 4537   | DRILL PIPE   |  | TUBING   |  |                 | OTHER   |  |
| SLURRY WEIGHT  |  | SLURRY VOL_  |  | WATER gal/s  | k  | CEMENT LEFT in  | CASING 4/4  | <u>'                                    </u>   |
| DISPLACEMENT_  | 30 PP/                                       | DISPLACEMENT | T PSI  | MIX PSI  |  | RATE            |   |  |
|  | igged  | up on        | Musti  | nori   | Iling #  | コスナロこう          | rculat  | ر حو   |
|  | Netina                                       | 1.           | Mated  |  | nonpot   |                 | an Alog   |  |
| Basket   | < an #                                       | 1.89.        | 13,49  |  | on#2   | 10 11 12        | and 5=  | - 12   |
| Dumped   | -  | 1 mud        | Alusn  |  |  | KS 60/40        |   |  |
| 305K51   | n nath                                       | - 1          | • - (  | 2005   |  | cina di         |   |  |
| 70001  |  |              |  |  |  | BOLONG          |   |  |
| 1714   | mad on c                                     |              |  | ande   |  | 1 04 150        |   | 70091  |
| 20000  | 271022000                                    | 2 800        | 77 2   | <u> </u>   | C +140   | y ar is         | 20 453  |  |
|  |  |              |  |  | <del>_</del>   | Thanks          |   |  |
|  |  |              |  |  |  |                 | Crew  |  |
|  |  |              |  |  |  |                 |   |  |
| ACCOUNT  |  |              | Τ  |  |  |                 |   | T  |
| ACCOUNT<br>CODE  | QUANITY                                      | or UNITS     | DE   | SCRIPTION of   | f SERVICES or PR   |                 | UNIT PRICE  | TOTAL  |
| 22 20200 650 200 2020250 30  | QUANITY (                                    | or UNITS     | DE<br>PUMP CHARG   |  | f SERVICES or PR   |                 | UNIT PRICE 285000   | 28500  |
| CODE   | QUANITY                                      | or UNITS     |  |  | f SERVICES or PR   |                 | UNIT PRICE  | 2850°  |
| 5401C<br>5400  | 10   |              | PUMP CHARG   | E  | f SERVICES or PR   |                 | UNIT PRICE 285000   | 2850°<br>50°0<br>4296°0  |
| 5401C<br>5400<br>1120  | 10   | 5 KG         | PUMP CHARG   | E  | f SERVICES or PR   |                 | UNIT PRICE 285009 599-  | 2850°<br>50°<br>4296°<br>500°  |
| 5401C<br>5400<br>1120  | 10<br>200<br>500                             | 5 KG         | PUMP CHARG   | ·<br>lusm  |  | ODUCT ,         | 285000<br>500<br>2/48   | 2850°<br>50°<br>4296°<br>500°  |
| 5401C<br>5406<br>1126<br>11446<br>5407   | 10   | 5 KG         | PUMP CHARG   | lus n  | e delive   | ODUCT /         | UNIT PRICE  285000  590-  2148-  100-  158-   | 2850°<br>50°0<br>4296°<br>500°0<br>410°5   |
| 5401C<br>5406<br>1126<br>11446<br>5407<br>4120   | 10<br>200<br>500                             | 5 KG         | PUMP CHARGE MILEAGE Mud f Ton M                          | lusm<br>lileage  | e delive   | ODUCT /         | UNIT PRICE  285000  500  2/48  / 00    58   | 2850°<br>50°<br>4296°<br>500°<br>138°°   |
| 5401C<br>5406<br>1126<br>11446<br>5407<br>41201  | 10<br>200<br>500<br>10 1                     | 5 KG         | PUMP CHARGE MILEAGE Mud T Ton M AFU                      | lusm<br>lileage<br>guid  | e deliver<br>de snoe<br>+ 41/2   | ODUCT /         | UNIT PRICE  285000  500  2/48  100  158  13800  14300                                 | 28500<br>5000<br>429600<br>50000<br>13800<br>12800<br>12800  |
| 5401C<br>5406<br>1126<br>11446<br>5407<br>L1201<br>4226<br>4129  | 10<br>200<br>500<br>10 4<br>1                | 5 KG         | PUMP CHARGE MILEAGE Mudt Ton M H 1/2 AFU Cent            | lusm<br>lileage<br>guid<br>Inser   | e deliver<br>t 41/2  | ODUCT /         | UNIT PRICE  285000  500  2148  100  158  13800  19300  4600                           | 28500<br>5000<br>429600<br>50000<br>41000<br>13800<br>19300<br>23000   |
| 5401C<br>5406<br>1126<br>11446<br>5407<br>41201  | 10<br>200<br>500<br>10 1                     | 5 KG         | PUMP CHARGE MILEAGE MUST TON M H 1/2 AFU Cent            | lusm<br>lileage<br>guid<br>Inser<br>ralizer  | e deliver<br>de snoe<br>of 41/2<br>05 41/2   | ODUCT /         | UNIT PRICE  285000  592  2148  100  158  13800  4600  26100                           | 28500<br>5000<br>429600<br>50000<br>13800<br>19300<br>130500   |
| 5401C<br>5406<br>1126<br>1144 f<br>5407<br>4120<br>41246<br>4129<br>4103<br>4284                               | 10<br>200<br>500<br>10 4<br>1                | 5 KG         | PUMP CHARGE MILEAGE MUST TON M H 1/2 AFU Cent            | lusm<br>lileage<br>guid<br>Inser<br>ralizer  | e deliver<br>de snoe<br>of 41/2<br>05 41/2   | ODUCT /         | UNIT PRICE  285000  590-  2148-  100-  158-  13890  19300  4600  26100  18900         | 28500<br>5000<br>429600<br>50000<br>1/0000<br>13800<br>19300<br>13000<br>189000  |
| 5401C<br>5406<br>1126<br>1144 f<br>5407<br>4120<br>41246<br>4129<br>4103<br>4284                               | 10<br>200<br>500<br>10 4<br>1                | 5 KG         | PUMP CHARGE MILEAGE MUST TON M H/2 AFU Cent Bask         | lusm<br>lileage<br>lileage<br>linser<br>ralizer<br>collar  | e deliver<br>t 41/2  | ODUCT /         | UNIT PRICE  285000  590-  2148- 100- 13800  1480- 26100  18900  5300                  | 2850°<br>50°<br>4296°<br>500°<br>1/0°<br>1/38°<br>1/83°<br>230°<br>1/80°<br>1/80°<br>53°<br>53°<br>53°<br>53°<br>53°<br>53°<br>53°<br>53 |
| 5401C<br>5406<br>1126<br>11446<br>5407<br>1201<br>4226<br>4129<br>4103   | 10<br>200<br>500<br>10 14<br>1<br>5<br>5.    | SKS<br>gal   | PUMP CHARGE MILEAGE MUST TON M H 1/2 AFU Cent Bagge Rubb | lusm<br>lileage<br>guid<br>Inser<br>ralizer<br>collar<br>perpli  | e belive<br>be snoe<br>+ 41/2<br>05 41/2<br>41/2<br>0 41/2   | ODUCT /         | UNIT PRICE  285000  590-  2148-  100-  158-  13890  19300  4600  26100  18900         | 28500<br>5000<br>42960<br>5000<br>1380<br>1890<br>1890<br>530<br>7175  |
| 5401C<br>5406<br>1126<br>11446<br>5407<br>4120<br>4120<br>4129<br>4129<br>4129<br>4129<br>4103<br>4284<br>4404 | 10<br>300<br>500<br>10 14<br>1<br>5<br>5.    | SHS<br>gal   | PUMP CHARGE MILEAGE MUST TON M MIST AFU Cent Bask Rubb   | lileage<br>Just<br>Guid<br>Inser<br>ralizer<br>collar<br>perplus   | e belive<br>be snoe<br>+ 41/2<br>05 41/2<br>41/2<br>0 41/2   | ODUCT /         | UNIT PRICE  285000  590-  2148- 100- 13800  1480- 26100  18900  5300                  | 2850°<br>500°<br>4296°<br>500°<br>1/0°<br>1/38°<br>1/83°<br>230°<br>1/805°<br>1/890°<br>530°   |
| 5401C<br>5406<br>1126<br>11446<br>5407<br>4120<br>4120<br>4129<br>4129<br>4129<br>4129<br>4129<br>4103         | 10<br>200<br>500<br>10 14<br>1<br>5<br>5.    | SHS<br>gal   | PUMP CHARGE MILEAGE MUST TON M MIST AFU Cent Bask Rubb   | lusm<br>lileage<br>guid<br>Inser<br>ralizer<br>collar<br>perpli  | e belive<br>be snoe<br>+ 41/2<br>05 41/2<br>41/2<br>0 41/2   | ODUCT /         | UNIT PRICE  285000  590-  2148- 100- 158- 13890 19300 4600 26100 18900 18900 1435     | 28500<br>5000<br>42960<br>5000<br>1380<br>1890<br>1890<br>1305<br>1890<br>7175   |
| 5401C<br>5406<br>1126<br>11446<br>5407<br>4120<br>4120<br>4129<br>4129<br>4129<br>4129<br>4103<br>4284<br>4404 | 10<br>300<br>500<br>10 1<br>1<br>5<br>5<br>1 | SHS<br>gal   | PUMP CHARGE MILEAGE MUST TON M MIST AFU Cent Bask Rubb   | lileage<br>Just<br>Guid<br>Inser<br>ralizer<br>collar<br>perplus   | e belive<br>be snoe<br>+ 41/2<br>05 41/2<br>41/2<br>0 41/2   | ODUCT /         | UNIT PRICE  285000  590-  2148- 100- 158- 13890 19300 4600 26100 18900 18900 1435     | 28500<br>5000<br>42960<br>5000<br>1380<br>1890<br>1890<br>1305<br>1890<br>7175   |
| 5401C<br>5406<br>1126<br>11446<br>5407<br>4120<br>4120<br>4129<br>4129<br>4129<br>4129<br>4103<br>4284<br>4404 | 10<br>300<br>500<br>10 1<br>1<br>5<br>5<br>1 | SHS<br>gal   | PUMP CHARGE MILEAGE MUST TON M MIST AFU Cent Bask Rubb   | lileage<br>Just<br>Guid<br>Inser<br>ralizer<br>collar<br>perplus   | e belive<br>be snoe<br>+ 41/2<br>05 41/2<br>41/2<br>0 41/2   | ODUCT           | UNIT PRICE  285000  590-  2148- 100- 158- 13890 19300 460- 26100 18900 1435 .24       | 2850°<br>500°<br>4296°<br>500°<br>1/0°<br>138°<br>193°<br>1305°<br>1890°<br>530°<br>7175°<br>41129                                       |
| 5401C<br>5406<br>1126<br>11446<br>5407<br>4120<br>4120<br>4129<br>4129<br>4129<br>4129<br>4103<br>4284<br>4404 | 10<br>300<br>500<br>10 1<br>1<br>5<br>5<br>1 | SHS<br>gal   | PUMP CHARGE MILEAGE MUST TON M MIST AFU Cent Bask Rubb   | lusm<br>lileage<br>Lileage<br>Lileage<br>Lileage<br>ralizer<br>collar<br>collar<br>perpli<br>perpli<br>onite | e belive<br>te snoe<br>the snoe<br>the<br>the snoe<br>the snoe | ODUCT           | UNIT PRICE  285000  590-  2148- 100- 158- 13890 19300 4600 26100 18900 18900 1435 .24 | 28500<br>5000<br>42960<br>5000<br>1380<br>1890<br>1890<br>1305<br>1890<br>7175   |
| 5401C<br>5406<br>1126<br>11446<br>5407<br>4120<br>4120<br>4129<br>4129<br>4129<br>4129<br>4103<br>4284<br>4404 | 10<br>300<br>500<br>10 1<br>1<br>5<br>5<br>1 | SHS<br>gal   | PUMP CHARGE MILEAGE MUST TON M MIST AFU Cent Bask Rubb   | lusm<br>lileage<br>Lileage<br>Lileage<br>Lileage<br>ralizer<br>collar<br>collar<br>perpli<br>perpli<br>onite | e belive<br>be snoe<br>+ 41/2<br>05 41/2<br>41/2<br>0 41/2   | ODUCT /         | UNIT PRICE  285000  599  2148  100  13800  4600  26100  1890  1435  .24               | 2850°<br>500°<br>4296°<br>500°<br>1/0°<br>138°<br>193°<br>1305°<br>1890°<br>530°<br>7175°<br>41129                                       |
| 5401C<br>5406<br>1126<br>11446<br>5407<br>4120<br>4120<br>4129<br>4129<br>4129<br>4129<br>4103<br>4284<br>4404 | 10<br>300<br>500<br>10 1<br>1<br>5<br>5<br>1 | SHS<br>gal   | PUMP CHARGE MILEAGE MUST TON M MIST AFU Cent Bask Rubb   | lusm<br>lileage<br>Lileage<br>Lileage<br>Lileage<br>ralizer<br>collar<br>collar<br>perpli<br>perpli<br>onite | e belive<br>te snoe<br>the snoe<br>the<br>the snoe<br>the snoe | ODUCT /         | UNIT PRICE  285000  599-  2148- 100  13800  14300  4600  26100  18900  1435  .24      | 2850°<br>500°<br>4296°<br>500°<br>1/0°<br>138°<br>193°<br>1305°<br>1890°<br>530°<br>7175°<br>41129                                       |
| 5401C<br>5406<br>1126<br>11446<br>5407<br>4120<br>4120<br>4129<br>4129<br>4129<br>4129<br>4103<br>4284<br>4404 | 10<br>300<br>500<br>10 1<br>1<br>5<br>5<br>1 | SHS<br>gal   | PUMP CHARGE MILEAGE MUST TON M MIST AFU Cent Bask Rubb   | lusm<br>lileage<br>Lileage<br>Lileage<br>Lileage<br>ralizer<br>collar<br>collar<br>perpli<br>perpli<br>onite | e belive<br>te snoe<br>the snoe<br>the<br>the snoe<br>the snoe | ODUCT /         | UNIT PRICE  285000  599-  2148- 100  13800  14300  4600  26100  18900  1435  .24      | 2850°<br>500°<br>4296°<br>500°<br>1/0°<br>138°<br>193°<br>1305°<br>1890°<br>530°<br>7175°<br>41129                                       |

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.





### DRILL STEM TEST REPORT

Blake Exploration, LLC

Berkgren B#1

PO Box 150

8 13s 33w Logan KS

Bogue, KS 67625

Job Ticket: 042238

DST#:1

ATTN: Mike Davignon

Test Start: 2011.07.06 @ 20:01:00

#### GENERAL INFORMATION:

Time Tool Opened: 22:11:15

Time Test Ended: 03:53:00

Formation:

LKC H

Deviated:

Interval:

No

Whipstock:

ft (KB)

Tester:

Test Type: Conventional Bottom Hole

Bradley Walter

Unit No:

Reference Elevations:

2989.00 ft (KB) 2980.00 ft (CF)

KB to GR/CF:

9.00 ft

Total Depth: Hole Diameter: 4100.00 ft (KB) (TVD)

7.88 inchesHole Condition: Fair

4060.00 ft (KB) To 4100.00 ft (KB) (TVD)

Serial #: 8652 Press@RunDepth:

Inside

89.05 psig @ 2011.07.06

4061.00 ft (KB) End Date:

2011.07.07

Capacity: Last Calib .: 8000.00 psig

Time On Btm:

2011.07.07 2011.07.06 @ 22:11:00

Start Date: Start Time:

20:01:05

End Time:

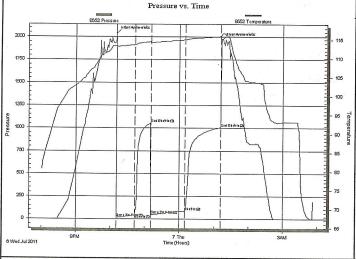
03:52:59

Time Off Btm:

2011.07.07 @ 01:13:45

TEST COMMENT: IF: 2 inches blow.

ISI: No return blow. FF: 3 inches blow. FSI: No return blow.



|            | PRESSURE SUMMARY |          |         |                      |  |  |  |  |  |
|------------|------------------|----------|---------|----------------------|--|--|--|--|--|
|            | Time             | Pressure | Temp    | Annotation           |  |  |  |  |  |
| 5          | (Min.)           | (psig)   | (deg F) |                      |  |  |  |  |  |
| 0          | 0                | 2039.09  | 113.65  | Initial Hydro-static |  |  |  |  |  |
| 6          | 1                | 16.76    | 112.98  | Open To Flow (1)     |  |  |  |  |  |
| 2          | 32               | 47.03    | 113.70  | Shut-In(1)           |  |  |  |  |  |
| 0          | 60               | 1054.20  | 114.48  | End Shut-In(1)       |  |  |  |  |  |
| Terr       | 60               | 49.88    | 114.19  | Open To Flow (2)     |  |  |  |  |  |
| Temperatur | 120              | 89.05    | 115.00  | Shut-In(2)           |  |  |  |  |  |
| ıre        | 181              | 1006.74  | 115.87  | End Shut-In(2)       |  |  |  |  |  |
|            | 183              | 1970.51  | 116.43  | Final Hydro-static   |  |  |  |  |  |
|            |                  |          |         |                      |  |  |  |  |  |
|            |                  |          |         |                      |  |  |  |  |  |
|            |                  |          |         |                      |  |  |  |  |  |
|            |                  |          |         |                      |  |  |  |  |  |
|            |                  |          |         | 2 4                  |  |  |  |  |  |
|            |                  |          |         | 2                    |  |  |  |  |  |

#### Recovery

| Description | Volume (bbl) |
|-------------|--------------|
| m20 80m     | 0.20         |
| 5g 95o      | 0.74         |
|             |              |
|             |              |
|             |              |
| :           |              |
|             | m20 80m      |

Gas Rates

Choke (inches) Pressure (psig)

Gas Rate (Mcf/d)

Trilobite Testing, Inc.

Ref. No: 042238

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## DRILL STEM TEST REPORT

Blake Exploration, LLC

PO Box 150 Bogue, KS 67625

ATTN: Mike Davignon

Berkgren B#1

8 13s 33w Logan KS

Job Ticket: 042239

DST#:2

Test Start: 2011.07.07 @ 11:32:00

### GENERAL INFORMATION:

Formation:

LKC I

Deviated:

No Whipstock:

ft (KB)

Time Tool Opened: 13:40:15 Time Test Ended: 18:48:15

Interval:

4100.00 ft (KB) To 4131.00 ft (KB) (TVD)

Inside

4131.00 ft (KB) (TVD)

Total Depth: Hole Diameter:

Start Time:

7.88 inchesHole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Bradley Walter

Unit No:

Reference Bevations:

2989.00 ft (KB)

2980.00 ft (CF)

KB to GR/CF:

9.00 ft

Serial #: 8652

Press@RunDepth: Start Date:

65.57 psig @ 2011.07.07

11:32:05

4101.00 ft (KB)

End Date: End Time:

2011.07.07

Capacity:

8000.00 psig

Last Calib .: 18:48:14 Time On Btm:

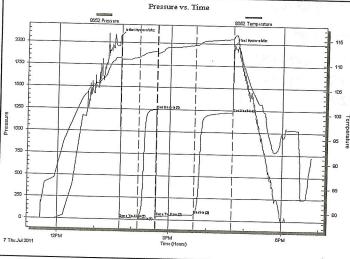
2011.07.07 2011.07.07 @ 13:40:00

Time Off Btm:

2011.07.07 @ 16:41:00

TEST COMMENT: IF: 2 inches blow.

ISI: No return blow. FF: 2 inches blow. FSI: No return blow.



|             |        | Р        | RESSU   | RE SUMMARY           |  |  |  |
|-------------|--------|----------|---------|----------------------|--|--|--|
|             | Time   | Pressure | Temp    | Annotation           |  |  |  |
|             | (Min.) | (psig)   | (deg F) |                      |  |  |  |
| 8           | 0      | 2073.55  | 111.26  | Initial Hydro-static |  |  |  |
|             | 1      | 14.20    | 109.92  | Open To Flow (1)     |  |  |  |
|             | 30     | 32.73    | 111.31  | Shut-In(1)           |  |  |  |
|             | 59     | 1245.99  | 112.55  | End Shut-In(1)       |  |  |  |
| Temp        | 60     | 38.02    | 112.05  | Open To Flow (2)     |  |  |  |
| Temperature | 120    | 65.57    | 113.84  | Shut-In(2)           |  |  |  |
| ē           | 181    | 1224.65  | 115.24  | End Shut-In(2)       |  |  |  |
|             | 181    | 1982.03  | 115.52  | Final Hydro-static   |  |  |  |
|             |        |          |         |                      |  |  |  |
|             |        |          |         |                      |  |  |  |
|             |        |          |         |                      |  |  |  |
|             |        |          | 9       |                      |  |  |  |
|             |        |          |         |                      |  |  |  |
| - 1         |        |          | - 1     |                      |  |  |  |

#### Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 110.00      | ocm45o 55m  | 0.54         |
| 30.00       | go 5g 95o   | 0.15         |
| ×           |             |              |
|             |             |              |
|             |             |              |
|             |             |              |

| *************************************** | Gas Ra         | tes             |                  |
|---|----------------|-----------------|------------------|
|   | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|   |                | <del></del>     |                  |

Trilobite Testing, Inc.

Ref. No: 042239

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