



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1250584  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

|                                   |                 |   |
|-----------------------------------|-----------------|---|
| Spud Date or<br>Recompletion Date | Date Reached TD | Completion Date or<br>Recompletion Date |
|-----------------------------------|-----------------|---|

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx)      (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1250584

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

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

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

|  |   |
|--|---|
| Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>List All E. Logs Run: _____ | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br>Name Top Datum |
|--|---|

| CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used  |                   |                           |                   |               |                |              |                            |
|---|-------------------|---------------------------|-------------------|---------------|----------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc. |                   |                           |                   |               |                |              |                            |
| Purpose of String   | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
|   |                   |                           |                   |               |                |              |                            |
|   |                   |                           |                   |               |                |              |                            |
|   |                   |                           |                   |               |                |              |                            |

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

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

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

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

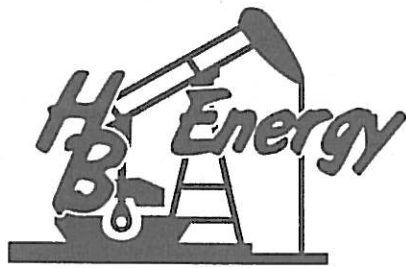
| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br><i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
|                |   |  |       |
|                |   |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

|                |       |         |            |   |
|----------------|-------|---------|------------|---|
| TUBING RECORD: | Size: | Set At: | Packer At: | Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No |
|----------------|-------|---------|------------|---|

|   |  |
|---|--|
| Date of First, Resumed Production, SWD or ENHR. | Producing Method:<br><input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____ |
|---|--|

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
|                                   |           |         |             |               |         |

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



Fueling American Prosperity™

# Oil and Gas Well Drilling

3137 Virginia Rd, Wellsville KS 66092

Owners: Clay Hughes

Isaac Burbank

## Well Log

DE & TZ LLC

Knabe Well #: I-22

Sec. 31 Twp. 14 Rng. 22

FSL: 4505 FEL: 200

API: 15-091-24410

Start: 03/26/15

End: 03/27/15

Phone: (785) 979-9493

(913) 963-9127

Fax: (785) 883-2305

| <u>Thickness of Strata</u> | <u>Formation</u> | <u>Total</u> |
|----------------------------|------------------|--------------|
| 9                          | Soil & Clay      | 9            |
| 11                         | Sandstone        | 20           |
| 50                         | Shale            | 70           |
| 3                          | Lime             | 73           |
| 2                          | Shale            | 75           |
| 17                         | Lime             | 92           |
| 7                          | Shale            | 99           |
| 9                          | Lime             | 108          |
| 7                          | Shale            | 115          |
| 19                         | Lime             | 134          |
| 13                         | Shale            | 147          |
| 7                          | Sand             | 154          |
| 2                          | Shale            | 156          |
| 30                         | Lime             | 186          |
| 7                          | Shale            | 193          |
| 14                         | Lime             | 207          |
| 10                         | Shale            | 217          |
| 30                         | Lime             | 247          |
| 14                         | Shale            | 261          |
| 9                          | Lime             | 270          |
| 20                         | Shale            | 290          |
| 6                          | Lime             | 296          |
| 4                          | Shale            | 300          |
| 6                          | Lime             | 306          |
| 33                         | Shale            | 339          |
| 2                          | Lime             | 341          |
| 9                          | Shale            | 350          |
| 7                          | Lime             | 357          |
| 2                          | Shale            | 359          |
| 17                         | Lime             | 376          |
| 9                          | Shale            | 385          |
| 22                         | Lime             | 407          |
| 4                          | Shale            | 411          |

Light oil show

|    |               |     |                                    |
|----|---------------|-----|------------------------------------|
| 4  | Lime          | 415 |                                    |
| 4  | Shale         | 419 | Black                              |
| 6  | Lime          | 425 | Base of Kansas City / Hertha       |
| 32 | Shale         | 457 |                                    |
| 5  | Broken Sand   | 462 | Grey sand & shale, light gas odor  |
| 2  | Silty Shale   | 464 |                                    |
| 73 | Shale         | 537 |                                    |
| 7  | Silty Shale   | 544 |                                    |
| 53 | Shale         | 597 |                                    |
| 6  | Lime          | 603 |                                    |
| 2  | Shale         | 605 |                                    |
| 3  | Lime          | 608 |                                    |
| 8  | Shale         | 616 |                                    |
| 8  | Broken Lime   | 624 |                                    |
| 1  | Broken Sand   | 625 | Brown sand & shale, light bleed    |
| 1  | Silty Shale   | 626 |                                    |
| 13 | Shale         | 639 |                                    |
| 3  | Lime          | 642 |                                    |
| 13 | Shale         | 655 |                                    |
| 5  | Lime          | 660 |                                    |
| 22 | Shale         | 682 | Red bed                            |
| 3  | Lime          | 685 |                                    |
| 3  | Shale         | 688 |                                    |
| 2  | Lime          | 690 |                                    |
| 6  | Shale         | 696 |                                    |
| 4  | Silty Shale   | 700 |                                    |
| 37 | Shale         | 737 |                                    |
| 1  | Lime & Shells | 738 |                                    |
| 11 | Shale         | 749 |                                    |
| 1  | Lime & Shells | 750 |                                    |
| 10 | Shale         | 760 |                                    |
| 1  | Broken Sand   | 761 | Brown & grey, no oil, no gas       |
| 6  | Silty Shale   | 767 |                                    |
| 3  | Broken Sand   | 770 | Brown sand & shale, no oil, no gas |
| 31 | Shale         | 801 |                                    |
| 3  | Silty Shale   | 804 |                                    |
| 10 | Shale         | 814 |                                    |
| 1  | Coal          | 815 |                                    |
| 4  | Shale         | 819 |                                    |
| 1  | Silty Shale   | 820 |                                    |
| 2  | Broken Sand   | 822 | Brown & grey sand, light bleed     |
| 3  | Silty Shale   | 825 |                                    |
| 6  | Shale         | 831 |                                    |
| 1  | Coal          | 832 |                                    |
| 3  | Shale         | 835 |                                    |
| 7  | Silty Shale   | 842 | Sandy white & grey shale           |

|    |             |     |   |
|----|-------------|-----|---|
| 14 | Shale       | 856 |   |
| 1  | Coal        | 857 |   |
| 23 | Shale       | 880 |   |
| 3  | Broken Sand | 883 | White limey sand & brown oil sand, good bleed   |
| 3  | Oil Sand    | 886 | Soft brown sand, good bleed                     |
| 2  | Broken Sand | 888 | 70% dark brown sand, 30% white sand, good bleed |
| 4  | Oil Sand    | 892 | Soft dark brown sand, good bleed                |
| 1  | Lime        | 893 |   |
| 3  | Broken Sand | 896 | 50% black sand, 50% shale, light bleed          |
| 5  | Black Sand  | 901 | No bleed  |
| 4  | Silty Shale | 905 |   |
| 59 | Shale       | 964 | TD  |

Drilled an 11" hole to 23'  
 Drilled a 5 5/8" hole to 964'

03/26/15 set 23' of 7" surface casing, cemented with 9 sacks of cement.

03/27/15 chip sampled Bartlesville zone.

03/27/15 set 949' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 clamp, 1 float-shoe, and baffle.  
 Baffle set at 919'.



REMIT TO  
 Consolidated Oil Well Services, LLC  
 Dept:970  
 P.O.Box 4346  
 Houston, TX 77210-4346

MAIN OFFICE  
 P.O.Box884  
 Chanute, KS 66720  
 620/431-9210, 1-800/467-8676  
 Fax 620/431-0012

Invoice Invoice# 803831

Invoice Date: 03/31/15 Terms: C.O.D. Page 1

D.E. EXPLORATION  
 P.O. BOX 128 KNABE I-22  
 WELLSVILLE KS 66092  
 USA  
 7858834057

| Part No | Description                       | Quantity | Unit Price | Discount(%) | Total    |
|---------|-----------------------------------|----------|------------|-------------|----------|
| 5401    | Cement Pumper                     | 1.000    | 1,085.0000 | 10.000      | 976.50   |
| 5406    | Mileage Charge                    | 30.000   | 4.2000     | 10.000      | 113.40   |
| 5402    | Casing Footage                    | 949.000  | 0.0000     | 0.000       | 0.00     |
| 5407    | Min. Bulk Delivery Charge         | 1.000    | 368.0000   | 10.000      | 331.20   |
| 5502C   | 80 Vacuum Truck Cement            | 2.000    | 100.0000   | 10.000      | 180.00   |
| 1124    | Poz Cement Mix                    | 132.000  | 11.5000    | 30.000      | 1,062.60 |
| 1118B   | Premium Gel / Bentonite           | 322.000  | 0.2200     | 30.000      | 49.59    |
| 1111    | Sodium Chloride (Granulated Salt) | 266.000  | 0.3900     | 30.000      | 72.62    |
| 1110A   | Kol Seal (50# BAG)                | 660.000  | 0.4600     | 30.000      | 212.52   |
| 4402    | 2 1/2 Rubber Plug                 | 1.000    | 29.5000    | 0.000       | 29.50    |
| 1401    | HE 100 Polymer                    | 0.500    | 47.2500    | 0.000       | 23.63    |

Subtotal 3,828.31  
 Discounted Amount 776.75  
 SubTotal After Discount 3,051.56

Amount Due 3,979.44 If paid after 03/31/15

Tax: 106.97  
 Total: 3,158.53



**CONSOLIDATED**  
Oil Well Services, LLC

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

Invoice # 803831 <sup>2531</sup> <sub>2469</sub>

TICKET NUMBER 50905  
LOCATION Ottawa KS  
FOREMAN Fred Maden

**FIELD TICKET & TREATMENT REPORT**

**CEMENT**

| DATE    | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY |
|---------|------------|--------------------|---------|----------|-------|--------|
| 3-27-15 | 2355       | Knabe #I-22        | SE 31   | 14       | 22    | JO     |

| CUSTOMER                   |       | TRUCK #  |           | DRIVER  |  |
|----------------------------|-------|----------|-----------|---------|--|
| DE+TZ LLC % DE Exploration |       | 712      | Frc Maden |         |  |
| MAILING ADDRESS            |       | 495      | Har Bec   |         |  |
| P.O. Box 128               |       | 369      | Mix Hoo   |         |  |
| CITY                       | STATE | ZIP CODE | 804       | Gar Moo |  |
| Wellsville                 | KS    | 66092    |           |         |  |

JOB TYPE Long string HOLE SIZE 5 7/8 HOLE DEPTH 964 CASING SIZE & WEIGHT 2 7/8 EUF  
 CASING DEPTH 949 DRILL PIPE 50 ft 6 in TUBING @ 919 OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 30' +  
 DISPLACEMENT 5.3413 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 5 BPM

REMARKS: Hold Safety meeting. Establish pump rate. Pump 1/2 Gal HE-100 Polymer. Circulate well to condition hole. Mix + Pump 100# Gel Flush. Mix + Pump 132 sks 50/50 Poz Mix Cement 270 Gal 5% Salt 5# Kol Seal /sk. Cement to surface. Flush pump & lines clean. Displace 2 1/2" Rubber plug to casing. Baffle. Pressure to 600# PSI. Release pressure to set float valve. Shut in casing.

HB Energy

Fred Maden

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE         | TOTAL              |
|--------------|-------------------|------------------------------------|--------------------|--------------------|
| 5401         | 1                 | PUMP CHARGE                        | 495                | 1085 <sup>00</sup> |
| 5406         | 30 mi             | MILEAGE                            | 495                | 126 <sup>00</sup>  |
| 5402         | 949               | Casing Footage                     | N/C                |                    |
| 5407         | Minimum           | Ten Miles                          | 804                | 368 <sup>00</sup>  |
| 5502C        | 2 hrs             | 80 BBL Vac Truck                   | 369                | 200 <sup>00</sup>  |
|              |                   | Sub Total                          |                    | 1779 <sup>00</sup> |
|              |                   | Less 10%                           |                    | -177 <sup>90</sup> |
|              |                   |                                    |                    | 1601 <sup>10</sup> |
| 7124         | 132 sks           | 50/50 Poz Mix Cement               | 1518 <sup>00</sup> |                    |
| 1118B        | 322#              | Premium Gel                        | 70 <sup>89</sup>   |                    |
| 1111         | 266#              | Granulated Salt                    | 103 <sup>24</sup>  |                    |
| 1110H        | 660#              | Kol Seal                           | 303 <sup>69</sup>  |                    |
|              |                   | Material                           | 1996 <sup>15</sup> |                    |
|              |                   | Less 30%                           | -598 <sup>85</sup> |                    |
|              |                   | Total                              |                    | 1397 <sup>33</sup> |
| 4402         | 1                 | 2 1/2" Rubber Plug                 |                    | 29 <sup>59</sup>   |
| 140L         | 1/2 Gal           | HE-100 Polymer                     |                    | 236 <sup>63</sup>  |
|              |                   |                                    | 7.3752             | SALES TAX          |
|              |                   |                                    |                    | 106 <sup>22</sup>  |
|              |                   |                                    |                    | ESTIMATED TOTAL    |
|              |                   |                                    |                    | 358 <sup>53</sup>  |

Flavin 3737

AUTHORIZATION Bryan Miller TITLE \_\_\_\_\_ DATE 3/28/15

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.