



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1227805  
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: \_\_\_\_\_



1227805

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](mailto: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:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  
 Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

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

|  |   |   |
|--|---|---|
| <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> <input type="checkbox"/> Other <i>(Specify)</i> _____<br><input type="checkbox"/> Other <i>(Specify)</i> _____ | <b>PRODUCTION INTERVAL:</b><br>_____<br>_____ |
|--|---|---|

802 N. Industrial Rd.  
 P.O. Box 664  
 Iola, Kansas 66749  
 Phone: (620) 365-5588

# Payless Concrete Products, Inc.

**CONDITIONS**  
 Concrete to be delivered to the nearest accessible point over passable road, under truck's own power. Due to delivery at owner's or intermediary's direction, seller assumes no responsibility for any damage to property, machinery, etc. which are at customer's risk. The maximum allowed time for unloading trucks is 5 minutes per yard. A water content for strength or mix indicated. We do not assume responsibility for strength test when water is added at customer's request.  
**NOTICE TO OWNER**  
 Failure of this contractor to pay those persons supplying material or services to complete this contract can result in the filing of a mechanic's lien on the property which is the subject of this contract.

SHIPPING SLIP TO  
 66772  
 54 E 10 50 HIGHWAY 5 TO CONNETTICUT  
 RD 2, 541 E 550  
 KS 66738

| TIME  | FORMULA | LOAD SIZE | YARDS ORDERED | BATCH# | DRIVER/TRUCK | PLANT/TRANSACTION # |
|---|---------|-----------|---------------|--------|--------------|---------------------|
| 11:12 AM  | MELL    | 9.50      | 6.50          |        | 34           | AL 100              |
| DATE  |         | LOAD #    | YARDS DEL.    |        | WATER TRIM   | TICKET NUMBER       |
| 5/6/74  | NELSON  | 1         | 6.50          | 13     | 0.00         | 36673               |
| <p><b>WARNING</b><br/> <b>IRRITATING TO THE SKIN AND EYES</b><br/>           Contains Portland Cement, Wear Rubber Boots and Gloves. PROLONGED CONTACT MAY CAUSE BURNS. Avoid Contact With Eyes and Prolonged Contact With Skin. In Case of Contact With Skin or Eyes, Flush Thoroughly With Water, If Irritation Persists, Get Medical Attention, KEEP CHILDREN AWAY.<br/>           CONCRETE IS A PERISHABLE COMMODITY AND BECOMES THE PROPERTY OF THE PURCHASER UPON LEAVING THE PLANT. ANY CHANGES OR CANCELLATION OF ORIGINAL INSTRUCTIONS, MUST BE TELEPHONED TO THE OFFICE BEFORE LOADING STARTS.<br/>           The undersigned promises to pay all costs, including reasonable attorney's fees, incurred in collecting any sums owed.<br/>           All accounts not paid within 30 days of delivery will bear interest at the rate of 2 1/2% per annum.<br/>           Not Responsible for Reactive Aggregate or Color Quality. No Claim Allowed Unless Made at Time Material is Delivered.<br/>           A 5% Service Charge and Loss of the Cash Discount will be collected on all Returned Checks.<br/>           Excess Delay Time Charged @ \$50/HR.</p> |         |           |               |        |              |                     |
| <p>PROPERTY DAMAGE RELEASE<br/>           (TO BE SIGNED IF DELIVERY TO BE MADE INSIDE CURB LINE)<br/>           Dear Customer: The driver of this truck in processing this RELEASE to you for your signature is of the opinion that the size and weight of the truck may possibly cause damage to the premises and/or adjacent property if it places the material in the load where you desire it. It is our wish to help you in every way that we can, but in order to do this the driver is requesting that you sign this RELEASE releasing him and the supplier from any responsibility for any damage that may occur in the premises hereby for the delivery of the material and that you also agree to help the person that has the vehicle of his vehicle or that he will not litter the public street, barrier, or additional condition, the undersigned agrees to indemnify and hold harmless the driver of this truck and the supplier for any and all damage to the premises and/or adjacent property which may be claimed by anyone to have arisen out of delivery of this order.<br/>           SIGNED _____</p>  |         |           |               |        |              |                     |
| <p>Excessive Water is Detrimental to Concrete Performance<br/>           H<sub>2</sub>O Added By Request/Authorized By<br/>           GAL X _____<br/>           WEIGHMASTER _____</p>  |         |           |               |        |              |                     |
| <p>NOTICE: MY SIGNATURE BELOW INDICATES THAT I HAVE READ THE HEALTH WARNING NOTICE AND SUPPLIER IS NOT BE RESPONSIBLE FOR ANY DAMAGE CAUSED WHEN DELIVERING INSIDE CURB LINE.<br/>           LOAD RECEIVED BY: _____ X</p>  |         |           |               |        |              |                     |

| QUANTITY   | CODE             | DESCRIPTION   | UNIT PRICE   | EXTENDED PRICE |          |                  |                                       |              |      |  |   |  |             |                 |  |          |      |      |  |  |
|--|------------------|---|--------------|----------------|----------|------------------|---------------------------------------|--------------|------|--|---|--|-------------|-----------------|--|----------|------|------|--|--|
| 6.50   | MELL             | WELL (10 SACKS PER UNIT)  | 8.50         |                |          |                  |                                       |              |      |  |   |  |             |                 |  |          |      |      |  |  |
| 3.00   | TRUCKING         | TRUCKING CHARGE   | 3.00         |                |          |                  |                                       |              |      |  |   |  |             |                 |  |          |      |      |  |  |
| 6.50   | MIX & HAUL       | MIXING AND HAULING  | 8.50         |                |          |                  |                                       |              |      |  |   |  |             |                 |  |          |      |      |  |  |
| <p>RETURNED TO PLANT</p> <table border="1"> <thead> <tr> <th>LEFT JOB</th> <th>FINISH UNLOADING</th> <th>DELAY EXPLANATION/CYLINDER TEST TAKEN</th> <th>TIME ALLOWED</th> </tr> </thead> <tbody> <tr> <td>1249</td> <td></td> <td>1. JOB NOT READY<br/>2. SLOW POUR OR PUMP<br/>3. TRUCK AHEAD ON JOB<br/>4. CONTRACTOR BROKE DOWN<br/>5. ADDED WATER<br/>6. TRUCK BROKE DOWN<br/>7. ACCIDENT<br/>8. STATION<br/>9. OTHER</td> <td></td> </tr> <tr> <td>ARRIVED JOB</td> <td>START UNLOADING</td> <td></td> <td>TIME DUE</td> </tr> <tr> <td>1210</td> <td>1228</td> <td></td> <td></td> </tr> </tbody> </table> <p>TOTAL AT JOB</p> <p>TOTAL ROUND TRIP</p> <p>ADDITIONAL CHARGE 1 _____<br/>           ADDITIONAL CHARGE 2 _____</p> |                  |   |              |                | LEFT JOB | FINISH UNLOADING | DELAY EXPLANATION/CYLINDER TEST TAKEN | TIME ALLOWED | 1249 |  | 1. JOB NOT READY<br>2. SLOW POUR OR PUMP<br>3. TRUCK AHEAD ON JOB<br>4. CONTRACTOR BROKE DOWN<br>5. ADDED WATER<br>6. TRUCK BROKE DOWN<br>7. ACCIDENT<br>8. STATION<br>9. OTHER |  | ARRIVED JOB | START UNLOADING |  | TIME DUE | 1210 | 1228 |  |  |
| LEFT JOB   | FINISH UNLOADING | DELAY EXPLANATION/CYLINDER TEST TAKEN   | TIME ALLOWED |                |          |                  |                                       |              |      |  |   |  |             |                 |  |          |      |      |  |  |
| 1249   |                  | 1. JOB NOT READY<br>2. SLOW POUR OR PUMP<br>3. TRUCK AHEAD ON JOB<br>4. CONTRACTOR BROKE DOWN<br>5. ADDED WATER<br>6. TRUCK BROKE DOWN<br>7. ACCIDENT<br>8. STATION<br>9. OTHER |              |                |          |                  |                                       |              |      |  |   |  |             |                 |  |          |      |      |  |  |
| ARRIVED JOB  | START UNLOADING  |   | TIME DUE     |                |          |                  |                                       |              |      |  |   |  |             |                 |  |          |      |      |  |  |
| 1210   | 1228             |   |              |                |          |                  |                                       |              |      |  |   |  |             |                 |  |          |      |      |  |  |

## A&A WELL SERVICES, INC.

### NELSON 3-14

|                               |     |
|-------------------------------|-----|
| 0 Top soil & clay             | 8   |
| 8 Lime                        | 42  |
| 42 Shale                      | 47  |
| 47 Lime                       | 55  |
| 55 Shale                      | 68  |
| 68 Lime                       | 151 |
| 151 Shale                     | 156 |
| 156 Lime                      | 168 |
| 168 Shale/lime streaks        | 173 |
| 173 Shale                     | 297 |
| 297 Lime                      | 312 |
| 312 Shale                     | 314 |
| 314 Lime                      | 325 |
| 325 Shale                     | 381 |
| 381 Lime                      | 385 |
| 385 Shale                     | 393 |
| 393 Lime                      | 420 |
| 420 Shale                     | 461 |
| 461 Lime                      | 480 |
| 480 Shale                     | 490 |
| 490 Lime                      | 493 |
| 493 Shale                     | 618 |
| 618 Sand Odor Gas             | 631 |
| 631 Sandy Shale               | 652 |
| 652 Sand Odor Light Show      | 660 |
| 660 Sandy Shale               | 662 |
| 662 Sand Good Odor & show     | 688 |
| 688 Sandy Shale               | 389 |
| 689 Oil Sand Good Show & Odor | 706 |
| 706 Shale                     | 730 |
| 730 TD                        |     |





**GAMMA RAY  
NEUTRON  
COMPLETION LOG**

|                        |                                      |                     |
|------------------------|--------------------------------------|---------------------|
| Company                | A & A WELL SERVICE                   |                     |
| Well                   | NELSON #3-14                         |                     |
| Field                  | ELSMORE SHOESTRING                   |                     |
| County                 | ALLEN                                | State KANSAS        |
| Location:              | 4748' FSL & 3488' FEL<br>SE NW NE NW |                     |
| APR # :                | 15-001-30996-00-00                   |                     |
| Other Services         |                                      |                     |
| Permanent Datum        | G.L.                                 | Elevation 1064' EST |
| Log Measured From      | G.L.                                 | K.B. D.F. 1064' EST |
| Drilling Measured From | G.L.                                 | G.L. 1064' EST      |
| Date                   | 5-16-2014                            |                     |
| Run Number             | 1 NW                                 |                     |
| Depth Driller          | 722.7                                |                     |
| Depth Logger           | 722.7                                |                     |
| Top Log Interval       | SURFACE                              |                     |
| Bottom Logged Interval | 722.7                                |                     |
| Fluid Level            | FULL                                 |                     |
| Type Fluid             | WATER                                |                     |
| Production Casing      | 2 7/8" @ T.D. @                      |                     |
| Max. Recorded Temp.    |                                      |                     |
| Estimated Cement Top   |                                      |                     |
| Calculated Cement Top  |                                      |                     |
| Amount & Type Cement   |                                      |                     |
| Drilling Contractor    | COMPANY TOOLS                        |                     |
| Equipment Number       | 107                                  |                     |
| Location               | UDEN, D.                             |                     |
| Recorded By            | BECKER, S.                           |                     |
| Witnessed By           |                                      |                     |

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

THANK YOU

| Sensor | Offset (ft) | Schematic | Description   | Len (ft) | OD (in) | Wt (lb) |
|--------|-------------|-----------|---|----------|---------|---------|
| GR     | 7.59        |           | GR-TITAN_169 (TIT169_001)<br>Titan 1 11/16" Gamma Ray | 4.75     | 1.69    | 20.00   |
| CCL    | 5.05        |           | CCL-TITAN_169 (TIT169)<br>Titan 1 11/16" Logging CCL  | 1.83     | 1.69    | 7.50    |
| NEU    | 0.63        |           | NEU-TITAN_169 (TIT169_001)<br>Titan 1 11/16" Neutron  | 4.33     | 1.69    | 20.00   |

Dataset: nelson #3-14.db: field/well/run1/pass1  
 Total Length: 10.92 ft  
 Total Weight: 47.50 lb  
 O.D.: 1.69 in

Database File: e:\nelson #3-14.db  
 Dataset Pathname: pass1  
 Presentation Format: gr-n-ccl  
 Dataset Creation: Fri May 16 11:13:14 2014 by Log Std Casedhole 07122  
 Charted by: Depth in Feet scaled 1.240

