

Confidentiality Requested:

Yes  No

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

**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

Gas  DH  EOR

OG  GSW

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 EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

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  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

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>Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No<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 |                  |                |              |                            |
|  |                  |                |              |                            |

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
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)*

|   |  |         |             |               |         |
|---|--|---------|-------------|---------------|---------|
| Date of first Production/Injection or Resumed Production/Injection: | 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 |

|   |   |                                    |
|---|---|------------------------------------|
| 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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> | PRODUCTION INTERVAL:<br>Top Bottom |
|---|---|------------------------------------|

| Shots Per Foot | Perforation Top | Perforation Bottom | Bridge Plug Type | Bridge Plug Set At | Acid, Fracture, Shot, Cementing Squeeze Record<br><i>(Amount and Kind of Material Used)</i> |
|----------------|-----------------|--------------------|------------------|--------------------|---|
|                |                 |                    |                  |                    |   |
|                |                 |                    |                  |                    |   |
|                |                 |                    |                  |                    |   |
|                |                 |                    |                  |                    |   |

|                |       |         |            |  |
|----------------|-------|---------|------------|--|
| TUBING RECORD: | Size: | Set At: | Packer At: |  |
|----------------|-------|---------|------------|--|

|           |                         |
|-----------|-------------------------|
| Form      | ACO1 - Well Completion  |
| Operator  | Griffin, Charles N.     |
| Well Name | SPRINGER FARMS1877 1-10 |
| Doc ID    | 1329668                 |

Perforations

| Shots Per Foot | Perforation Record | Material Record       | Depth               |
|----------------|--------------------|-----------------------|---------------------|
| 3              | 4832-4835          | 250 gal 7.5" MCA acid |                     |
| 4              | 4804-4806          | 250 gal 7.5" MCA acid |                     |
| 3              | 4697-4703          | 3000 gal 15%MCA       |                     |
| 4              | 3818-3820          | 1500 15%MCA           | New zone: KC A zone |
|                | 4803-4828          | 50 sks Common Cement  |                     |
|                | 4390-4428          | 100 sks Common Cement |                     |







|  |         |                     |                          |  |
|--|---------|---------------------|--------------------------|--|
| Customer<br><i>Gr. R.R. Management</i> |         | Lease No.           | Date<br><i>12/5/2016</i> |  |
| Lease<br><i>Springs</i>                |         | Well # <i>1877</i>  |                          |  |
| Field Order #<br><i>13442</i>          | Station | Casing <i>5 1/2</i> | Depth <i>90'</i>         | County <i>Barber</i> State <i>KS</i>   |
| Type Job<br><i>241/SQU</i>             |         | Formation           |                          | Legal Description<br><i>10-335-12W</i> |

| PIPE DATA               |                             | PERFORATING DATA |                | FLUID USED              |            | TREATMENT RESUME |                  |  |
|-------------------------|-----------------------------|------------------|----------------|-------------------------|------------|------------------|------------------|--|
| Casing Size             | Tubing Size                 | Shots/Ft         |                | Acid                    | RATE       | PRESS            | ISIP             |  |
| <i>5 1/2</i>            | <i>2 7/8</i>                |                  |                | Pre Pad                 | Max        |                  | 5 Min.           |  |
| Depth <i>90</i>         | Depth <i>4300</i>           | From <i>4390</i> | To <i>4428</i> | Pad                     | Min        |                  | 10 Min.          |  |
| Volume <i>2.1</i>       | Volume <i>25</i>            | From             | To             | Frac                    | Avg        |                  | 15 Min.          |  |
| Max Press<br><i>500</i> | Max Press                   | From             | To             |                         | HHP Used   |                  | Annulus Pressure |  |
| Well Connection         | Annulus Vol.<br><i>68</i>   | From             | To             | Flush <i>Freshwater</i> | Gas Volume |                  | Total Load       |  |
| Plug Depth              | Packer Depth<br><i>4300</i> | From             | To             |                         |            |                  |                  |  |

|  |   |                                 |
|--|---|---------------------------------|
| Customer Representative<br><i>JR Griffin</i> | Station Manager<br><i>Kevin Gordley</i> | Treater<br><i>Darin Frisnel</i> |
|--|---|---------------------------------|

|               |              |               |               |               |               |  |  |  |  |
|---------------|--------------|---------------|---------------|---------------|---------------|--|--|--|--|
| Service Units | <i>92911</i> | <i>84981</i>  | <i>19843</i>  | <i>20955</i>  | <i>19862</i>  |  |  |  |  |
| Driver Names  | <i>Darin</i> | <i>McGraw</i> | <i>McGraw</i> | <i>McGraw</i> | <i>McGraw</i> |  |  |  |  |

| Time           | Casing Pressure | Tubing Pressure | Bbls. Pumped  | Rate       | Service Log                         |
|----------------|-----------------|-----------------|---------------|------------|-------------------------------------|
| <i>11:00pm</i> |                 |                 |               |            | <i>On location / Sg Per meeting</i> |
| <i>1:10</i>    | <i>500</i>      |                 | <i>10</i>     | <i>3</i>   | <i>Loss casing</i>                  |
| <i>1:50</i>    |                 | <i>600</i>      | <i>10</i>     | <i>4</i>   | <i>Injection R910</i>               |
|                |                 | <i>300</i>      | <i>21</i>     | <i>4</i>   | <i>mix 100% cement</i>              |
|                |                 |                 |               |            | <i>Shut down</i>                    |
|                |                 |                 |               |            | <i>Wash pump lines</i>              |
|                |                 | <i>0</i>        | <i>0</i>      | <i>2</i>   | <i>Start displacement</i>           |
|                |                 | <i>200</i>      | <i>15</i>     | <i>1</i>   |                                     |
|                |                 | <i>300</i>      | <i>19</i>     | <i>3/4</i> |                                     |
| <i>2:22pm</i>  |                 | <i>400</i>      | <i>22</i>     | <i>3/4</i> | <i>Shut down</i>                    |
| <i>2:29pm</i>  |                 | <i>400</i>      | <i>23</i>     | <i>3/4</i> |                                     |
| <i>2:45pm</i>  |                 | <i>800</i>      | <i>25 1/2</i> | <i>1/2</i> |                                     |
| <i>2:48pm</i>  |                 |                 |               |            | <i>Shut down</i>                    |
| <i>3:18pm</i>  |                 | <i>1000</i>     | <i>4 1/4</i>  | <i>1/4</i> | <i>Shut down</i>                    |
| <i>3:28</i>    |                 | <i>11500</i>    | <i>4 1/4</i>  | <i>1/4</i> | <i>Shut down</i>                    |
| <i>3:33</i>    |                 | <i>2000</i>     | <i>26</i>     | <i>1/4</i> | <i>Shut down</i>                    |
|                |                 |                 |               |            | <i>Blow back - Hold</i>             |
|                | <i>500</i>      |                 | <i>50</i>     | <i>3</i>   | <i>Revers out</i>                   |
|                |                 |                 |               |            | <i>Pull 5 joints</i>                |
| <i>4:15pm</i>  | <i>300</i>      |                 | <i>4 1/2</i>  | <i>2</i>   | <i>Pressure well to 500psi</i>      |







