

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. 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><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: |  |
|----------------|-------|---------|------------|--|



## DRILL LOG

Operator License# 32834

API 15-121-31594-00-00

Operator JTC Oil, Inc.

Lease Name Hayes

Address 35790 Plum Creek Rd. Osaw. KS

Well # I-4

Phone 913-755-2959

Spud Date 7/24/19 Completed 7/25/19

Contractor License 32834

Location \_\_\_\_\_ of \_\_\_\_\_

T.D. 620 T.D. of Pipe 592

\_\_\_\_\_ feet from \_\_\_\_\_

Surf. Pipe Size 6 1/4 Depth 20 ft.  
w/3sx cement

\_\_\_\_\_ feet from \_\_\_\_\_

Kind of Well Injection

County Miami

| Thickness | Strata | From | To | Thickness | Strata | From | To  |
|-----------|--------|------|----|-----------|--------|------|-----|
| 2         | soil   | 0    | 2  | 9         | shale  | 166  | 175 |
| 12        | clay   | 2    | 14 | 29        | lime   | 175  | 204 |
| 49        | shale  | 14   | 63 | 9         | coal   | 204  | 213 |
| 18        | lime   | 63   | 81 | 20        | lime   | 213  | 233 |

Hayes I-4

2

|           |       |     |     |    |            |     |     |
|-----------|-------|-----|-----|----|------------|-----|-----|
| <u>23</u> | shale | 81  | 104 | 5  | coal       | 233 | 238 |
| <u>6</u>  | lime  | 104 | 110 | 13 | lime       | 238 | 251 |
| <u>40</u> | shale | 110 | 150 | 13 | shale      | 251 | 386 |
| <u>16</u> | lime  | 150 | 166 | 10 | lime/shale | 386 | 396 |

Hayes I-4

3

| <u>Thickness</u> | <u>Strata</u> | <u>From</u> | <u>To</u>  |
|------------------|---------------|-------------|------------|
| <u>15</u>        | shale         | <u>396</u>  | <u>409</u> |
| <u>17</u>        | lime          | <u>409</u>  | <u>426</u> |
| <u>44</u>        | shale         | <u>426</u>  | <u>470</u> |
| <u>4</u>         | lime          | <u>470</u>  | <u>474</u> |
| <u>12</u>        | shale         | <u>474</u>  | <u>486</u> |
| <u>4</u>         | lime          | <u>486</u>  | <u>490</u> |
| <u>13</u>        | black/shale   | <u>490</u>  | <u>503</u> |
| <u>6</u>         | lime          | <u>503</u>  | <u>509</u> |
| <u>20</u>        | shale         | <u>509</u>  | <u>529</u> |
| <u>4</u>         | lime          | <u>529</u>  | <u>533</u> |
| <u>4</u>         | coal          | <u>533</u>  | <u>537</u> |
| <u>3</u>         | lime          | <u>537</u>  | <u>540</u> |
| <u>9</u>         | shale         | <u>540</u>  | <u>549</u> |
| <u>2</u>         | oil sand      | <u>549</u>  | <u>551</u> |
| <u>2</u>         | oil sand      | <u>551</u>  | <u>553</u> |

Hayes I-4

4

|           |             |     |     |
|-----------|-------------|-----|-----|
| <u>2</u>  | oil sand    | 553 | 555 |
| <u>2</u>  | oil sand    | 555 | 557 |
| <u>35</u> | shale       | 557 | 593 |
| <u>20</u> | black/shale | 593 | 613 |
| <u>7</u>  | shale       | 613 | 620 |





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

100815  
41011

TICKET NUMBER 55622 ✓  
LOCATION Ottawa KS  
FOREMAN Casey Kennedy

FIELD TICKET & TREATMENT REPORT  
CEMENT

INV 101154

| DATE    | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY |
|---------|------------|--------------------|---------|----------|-------|--------|
| 7/25/19 | 4015 ✓     | Hayes # I-4 ✓      | NW 29   | 17       | 22    | MU     |

|  |             |                   |
|--|-------------|-------------------|
| CUSTOMER<br>JTC Oil Inc. ✓             |             |                   |
| MAILING ADDRESS<br>35790 Plum Creek Rd |             |                   |
| CITY<br>Osawatomie                     | STATE<br>KS | ZIP CODE<br>66064 |

| TRUCK # | DRIVER  | TRUCK # | DRIVER         |
|---------|---------|---------|----------------|
| 729     | As Ken  | ✓       | Safety Meeting |
| 495     | Har Bec | ✓       |                |
| 804     | Kei Det | ✓       |                |
| 369     | Ala Mad | ✓       |                |

|                               |                         |                          |  |
|-------------------------------|-------------------------|--------------------------|--|
| JOB TYPE <u>long string</u>   | HOLE SIZE <u>5 7/8"</u> | HOLE DEPTH <u>620'</u>   | CASING SIZE & WEIGHT <u>2 3/8" EUE</u> |
| CASING DEPTH <u>592'</u>      | DRILL PIPE              | TUBING <u>pin - 582'</u> | OTHER                                  |
| SLURRY WEIGHT                 | SLURRY VOL              | WATER gal/sk             | CEMENT LEFT in CASING <u>10'</u>       |
| DISPLACEMENT <u>2.36 bbls</u> | DISPLACEMENT PSI        | MIX PSI                  | RATE <u>4 bpm</u>                      |

REMARKS: held safety meeting, established circulation, mixed + pumped 100 # Bentonite followed by 5 bbls fresh water, mixed + pumped 60 sks Thixoblend II cement w/ 1 # Pheno seal per sk, cement to surface, flushed pump clean, pumped 2" rubber plug to pin w/ 2.36 bbls fresh water, pressured to 800 PSI, well held pressure for 30 min MFT, shut in casing.

*[Handwritten signature]*

| ACCOUNT CODE    | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE      | TOTAL     |
|-----------------|-------------------|------------------------------------|-----------------|-----------|
| ✓ CE0450        | 1                 | PUMP CHARGE                        | 1500.00         |           |
| ✓ CE0002        |                   | MILEAGE                            |                 |           |
| ✓ CE0711        | 1/2 min           | tax mileage                        | 220.00          |           |
| ✓ WE0853        | 1 hr              | 80 Vac                             | 100.00          |           |
|                 |                   | trucks                             | 1820.00         |           |
|                 |                   | - 45%                              | 819.00          |           |
|                 |                   | Subtotal                           |                 | 1001.00 ✓ |
| 5/6/23 ✓ CC5861 | 60 sks            | Thixoblend II cement               | 1620.00         |           |
| ✓ CC5965        | 100 #             | Bentonite                          | 30.00           |           |
| ✓ CC6079        | 60 #              | Pheno seal                         | 81.00           |           |
| ✓ CP8175        | 1                 | 2" rubber plug                     | 45.00           |           |
|                 |                   | materials                          | 1776.00         |           |
|                 |                   | - 45%                              | 799.20          |           |
|                 |                   | Subtotal                           |                 | 976.80 ✓  |
|                 |                   | 8%                                 | SALES TAX       | 78.14     |
|                 |                   |                                    | ESTIMATED TOTAL | 2055.94   |

RAVIN 3737 AUTHORIZATION [Signature] ✓ TITLE \_\_\_\_\_ DATE (3738.08)

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.