

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

**ORIGINAL**

Form ACO-1  
June 2009

**Form Must Be Typed  
Form must be Signed  
All blanks must be Filled**

OPERATOR: License # 5983  
Name: VICTOR J. LEIS  
Address 1: BOX 223  
Address 2: \_\_\_\_\_  
City: YATES CENTER State: KS Zip: 66783 + \_\_\_\_\_  
Contact Person: RYAN M. LEIS  
Phone: ( 785 ) 313-2567  
CONTRACTOR: License # 32079  
Name: JOHN E. LEIS  
Wellsite Geologist: NA  
Purchaser: PACER

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: NA

Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

|                                   |                   |   |
|-----------------------------------|-------------------|---|
| <u>12/4/2009</u>                  | <u>12/15/2009</u> | <u>12/29/2009</u>                       |
| Spud Date or<br>Recompletion Date | Date Reached TD   | Completion Date or<br>Recompletion Date |

API No. 15 - 207-27540-6000  
Spot Description: \_\_\_\_\_  
SW\_SW\_NW\_SE Sec. 33 Twp. 23 S. R. 16  East  West  
1,518 Feet from  North /  South Line of Section  
2,475 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: WOODSON  
Lease Name: TANNAHILL Well #: N-4  
Field Name: VERNON  
Producing Formation: SQUIRREL  
Elevation: Ground: NA Kelly Bushing: \_\_\_\_\_  
Total Depth: 1115 Plug Back Total Depth: NA  
Amount of Surface Pipe Set and Cemented at: 42 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from: 1113  
feet depth to: SURFACE w/ 127 sx cm.

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)  
Chloride content: NA 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 #: \_\_\_\_\_

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**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

**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.

Signature: [Signature]  
Title: Agent Date: 2/12/12

**KCC Office Use ONLY**

Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: [Signature] Date: 2/17/12

Operator Name: VICTOR J. LEIS Lease Name: TANNAHILL Well #: N-4  
 Sec. 33 Twp. 23 S. R. 16  East  West County: WOODSON

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

|   |   |
|---|---|
| Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><i>(If no, Submit Copy)</i><br><br>List All E. Logs Run:<br><b>GAMMA RAY/ NEUTRON</b> | <input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample<br>Name Top Datum<br>SEE ATTACHED |
|---|---|

| CASING RECORD <input checked="" 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 |
| SURFACE   | 10"               | 7"                        | 23.5              | 42            | PORTLAND       | 10           | NA                         |
| CASING  | 5 7/8             | 2 7/8                     | 6                 | 1113          | OWC            | 127          | NA                         |
|   |                   |                           |                   |               |                |              |                            |

| 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 |                  |                |              |                            |
|  |                  |                |              |                            |

| 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 |
|----------------|---|--|-------|
| 2              | PERF 20 SHOTS 1059-1069   | FRAC W/ 6000LBS SAND/ GELLED WATER   | 1059  |
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |

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|   |                 |  |                                   |
|---|-----------------|--|-----------------------------------|
| 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.<br>10/11/2011 |                 | Producing Method:<br><input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____ |                                   |
| Estimated Production Per 24 Hours                             | Oil Bbls.<br>10 | Gas Mcf  | Water Bbls. Gas-Oil Ratio Gravity |

|   |   |   |
|---|---|---|
| <b>DISPOSITION OF GAS:</b><br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i><br><input type="checkbox"/> Other (Specify) _____ | <b>PRODUCTION INTERVAL:</b><br>_____<br>_____ |
|---|---|---|

# LEIS OIL SERVICES

111 East Mary • Yates Center, Kansas 66783 • (620) 625-3676

|  |   |
|--|---|
| Operator License #: 5983                   | API #: 207-27540-0000                   |
| Operator: Victor J. Leis                   | Lease: Tannahill                        |
| Address: PO Box 223 Yates Center, KS 66783 | Well #: N-4                             |
| Phone: (785) 313-2567                      | Spud Date: 12.04.09 Completed: 12.04.09 |
| Contractor License: 32079                  | Location: SW-SW-NW-SE of 33-23-16E      |
| T.D. : 1115 T.D. of Pipe: 1113             | 1518 Feet From South                    |
| Surface Pipe Size: 7" Depth: 42'           | 2475 Feet From East                     |
| Kind of Well: Oil                          | County: Woodson                         |

## LOG

| Thickness | Strata        | From | To  | Thickness | Strata      | From | To   |
|-----------|---------------|------|-----|-----------|-------------|------|------|
| 9         | Soil and Clay | 0    | 9   | 3         | Black Shale | 860  | 863  |
| 2         | Lime          | 9    | 11  | 37        | Shale       | 863  | 920  |
| 8         | Shale         | 11   | 19  | 3         | Lime        | 920  | 923  |
| 2         | Lime          | 19   | 21  | 3         | Black Shale | 923  | 926  |
| 177       | Shale         | 21   | 198 | 11        | Lime        | 926  | 937  |
| 11        | Lime          | 198  | 209 | 10        | Shale       | 937  | 947  |
| 9         | Shale         | 209  | 218 | 4         | Lime        | 947  | 951  |
| 42        | Lime          | 218  | 260 | 3         | Black Shale | 951  | 954  |
| 23        | Shale         | 260  | 283 | 9         | Shale       | 954  | 963  |
| 141       | Lime          | 283  | 424 | 7         | Lime        | 963  | 970  |
| 46        | Soft Lime     | 424  | 470 | 14        | Shale       | 970  | 984  |
| 12        | Lime          | 470  | 482 | 4         | Lime        | 984  | 988  |
| 16        | Shale         | 482  | 498 | 2         | Shale       | 988  | 990  |
| 8         | Lime          | 498  | 506 | 2         | Lime        | 990  | 992  |
| 19        | Shale         | 506  | 525 | 2         | Black Shale | 992  | 994  |
| 1         | Lime          | 525  | 526 | 3         | Lime        | 994  | 997  |
| 9         | Shale         | 526  | 535 | 1         | Lime        | 997  | 998  |
| 75        | Lime          | 535  | 610 | 6         | Oil Sand    | 998  | 1004 |
| 4         | Black Shale   | 610  | 614 | 49        | Shale       | 1004 | 1053 |
| 34        | Lime          | 614  | 648 | 10        | Oil Sand    | 1053 | 1063 |
| 1         | Shale         | 648  | 649 | 52        | Shale       | 1063 | 1115 |
| 11        | Lime          | 649  | 660 |           |             |      |      |
| 5         | Shale         | 660  | 665 |           | TD          |      | 1115 |
| 3         | Lime          | 665  | 668 |           | TD of pipe  |      | 1113 |
| 161       | Shale         | 668  | 829 |           |             |      |      |
| 3         | Lime          | 829  | 832 |           |             |      |      |
| 16        | Shale         | 832  | 848 |           |             |      |      |
| 12        | Lime          | 848  | 860 |           |             |      |      |

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**CONSOLIDATED**  
Oil Well Services, LLC

TICKET NUMBER 22487  
LOCATION Oxtawa KS  
FOREMAN Fred Mader

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8678

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

| DATE                | CUSTOMER # | WELL NAME & NUMBER | SECTION      | TOWNSHIP | RANGE   | COUNTY |
|---------------------|------------|--------------------|--------------|----------|---------|--------|
| 12/7/09             | 5353       | Tannahill # N-4    | 23<br>NWSW # | 23 #     | 16      | WO     |
| CUSTOMER            |            |                    | TRUCK #      | DRIVER   | TRUCK # | DRIVER |
| Mid way Oil Company |            |                    | 506          | FREMAID  | 369     | KENHAM |
| MAILING ADDRESS     |            |                    | 495          | CASKEN   |         |        |
| P.O. Box 1000       |            |                    | 548          | CHULAM   |         |        |
| CITY                | STATE      | ZIP CODE           | 237          | ALAMAD   |         |        |
| Miami               | OK         | 74354              |              |          |         |        |

JOB TYPE Long string HOLE SIZE 5 7/8 HOLE DEPTH 1100 CASING SIZE & WEIGHT 2 7/8"  
 CASING DEPTH 1109 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 2 1/2" Plug  
 DISPLACEMENT 6.45 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 58 PM

REMARKS: Establish circulation. Mix + Pump 200# Premium Gel Flush.  
 Mix Pump 92# Yellow dye. Mix pump 92 sks 50/50 Por  
 Mix Cement 6 to Gel. Follow w/ 40 sks OWC Cement. Flush  
 Pump + lines clean. Displace 2 1/2" Rubber plug to casing TD  
 w/ 6.45 BBL Fresh water. Pressure to 800# PSI. Release  
 pressure to set float valve. Shut in casing

*Fred Mader*

*J Lois Drilling*

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL                              |
|--------------|-------------------|------------------------------------|------------|------------------------------------|
| 5401         | 1                 | PUMP CHARGE Cement Pump            |            | 870 <sup>00</sup>                  |
| 5406         | 60 mi             | MILEAGE Pump Truck                 |            | 207 <sup>00</sup>                  |
| 5402         | 1109'             | Casing Footage                     |            | N/C                                |
| 5407 A       | 231.84            | Ton Miles #237                     |            | 268 <sup>93</sup>                  |
| 5407 A       | 112.8             | Ton Miles #548                     |            | 130 <sup>89</sup>                  |
| 5502C        | 2.5 hrs           | 80 BBL Vac Truck                   |            | 235 <sup>00</sup>                  |
| 1124         | 87 sks            | 50/50 Por Mix Cement               |            | 8047 <sup>50</sup>                 |
| 1126         | 40 sks            | OWC Cement                         |            | 640 <sup>00</sup>                  |
| 1118B        | 664#              | Premium Gel                        |            | 106 <sup>34</sup>                  |
| 4402         | 1                 | 2 1/2" Rubber Plug                 |            | 22 <sup>10</sup>                   |
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|              |                   |                                    |            | FEB 15 2012                        |
|              |                   |                                    |            | KCC WICHITA                        |
|              |                   |                                    |            | SALES TAX 99 <sup>10</sup>         |
|              |                   |                                    |            | ESTIMATED TOTAL 3383 <sup>87</sup> |

WO # 232321

6.3%

Revin 3737

AUTHORIZATION *[Signature]*

TITLE \_\_\_\_\_

DATE \_\_\_\_\_