



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1196208
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 Recompletion Date | Date Reached TD | Completion Date or 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: _____

1196208

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

| 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 | | | | |
| <input type="checkbox"/> Protect Casing | | | | |
| <input type="checkbox"/> Plug Back TD | | | | |
| <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 Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record <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 |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| | | | | | |

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

| | |
|-----------|------------------------|
| Form | ACO1 - Well Completion |
| Operator | Farmer, John O., Inc. |
| Well Name | Lawson D 1 |
| Doc ID | 1196208 |

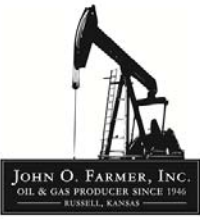
All Electric Logs Run

| |
|---------------------------------|
| |
| Compensated Density Neutron Log |
| Dual Induction Log |
| Micro Log |
| Cement Bond Log |
| Temp. Log |

| | |
|-----------|------------------------|
| Form | ACO1 - Well Completion |
| Operator | Farmer, John O., Inc. |
| Well Name | Lawson D 1 |
| Doc ID | 1196208 |

Tops

| Name | Top | Datum |
|-----------|-------|---------|
| Anhydrite | 1995' | (+424) |
| Heebner | 3442' | (-1023) |
| Toronto | 3469' | (-1050) |
| Lansing | 3483' | (-1064) |
| Base/KC | 3664' | (-1245) |
| Arbuckle | 3733' | (-1314) |
| Reagan | 3751' | (-1332) |
| Granite | 3765' | (-1346) |
| L.T.D. | 3812' | (-1393) |



AUSTIN B. KLAUS



Cell 785.650.3629
Work 785.483.3145
Ext 225

PO BOX 352
Russell, KS 67665
austin.klaus@johnofarmer.com

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Lawson D #1
Location: Norton County
License Number: API #15-137-20679-00-00
Spud Date: 12/2/13
Surface Coordinates: Section 36 - Township 3 South - Range 24 West
1,815' FSL & 1,815' FEL
Bottom Hole Coordinates: Vertical well with minimal deviation, same as above
Ground Elevation (ft): 2,414' **K.B. Elevation (ft):** 2,419'
Logged Interval (ft): 3,250 **To:** RTD **Total Depth (ft):** 3,820'
Formation: Topeka-Granite
Type of Drilling Fluid: Chemcial (Mud Co.)

Region: Kansas
Drilling Completed: 12/6/13

Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR


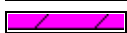
Company: John. O Farmer, Inc.
Address: P.O. Box 352
Russell, KS 67665-0352

Comments

The Lawson D#1 well was drilled by WW Drilling Rig #6 (Tool Pusher: Mark Bigge).

The location for the Lawson D #1 well was located via 3D seismic survey. Geologic samples were collected and examined from 3,250-3,820'. After all sample and electric log data was gathered and evaluated, the decision was made to run 5 1/2" production casing on 12/7/13 to further evaluate the Lawson D #1 well.

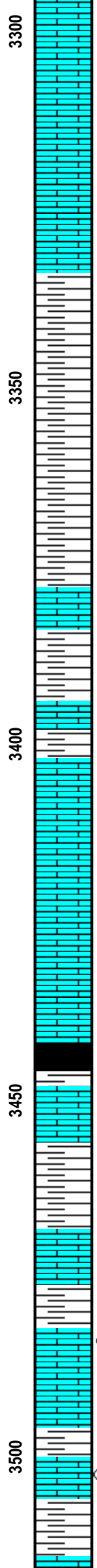
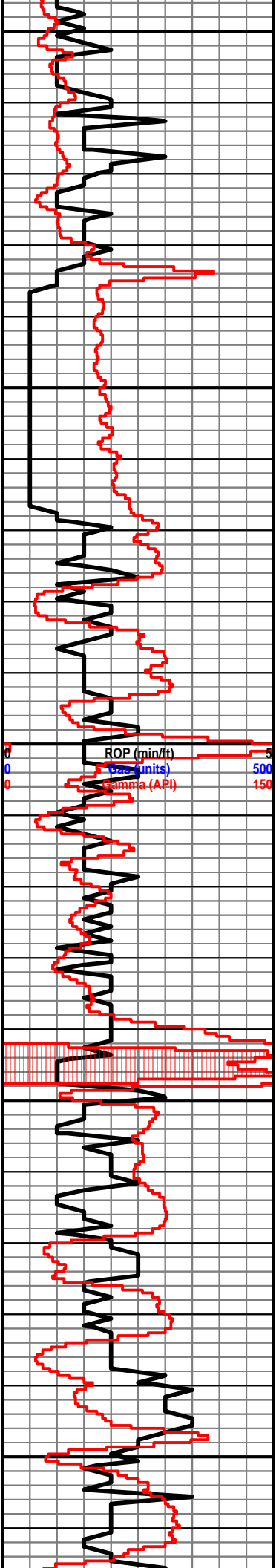
ROCK TYPES

| | | | | |
|---|---|--|--|---|
|  Anhy |  Clyst |  Gyp |  Mrlst |  Shgy |
|  Bent |  Coal |  Igne |  Salt |  Sltst |
|  Brec |  Congl |  Lmst |  Shale |  Ss |
|  Cht |  Dol |  Meta |  Shcol |  Till |

OTHER SYMBOLS

| | | | | |
|--------------------------------------|-------------------------------------|------------------------------------|----------------------------------|-----------------------------------|
| POROSITY | <input type="checkbox"/> Vuggy | ROUNDING | <input type="checkbox"/> Spotted | EVENT |
| <input type="checkbox"/> E Earthy | | <input type="checkbox"/> R Rounded | <input type="checkbox"/> Ques | <input type="checkbox"/> Rft |
| <input type="checkbox"/> F Fenest | SORTING | <input type="checkbox"/> r Subrnd | <input type="checkbox"/> D Dead | <input type="checkbox"/> Sidewall |
| <input type="checkbox"/> Fr Fracture | <input type="checkbox"/> W Well | <input type="checkbox"/> a Subang | | |
| <input type="checkbox"/> X Inter | <input type="checkbox"/> M Moderate | <input type="checkbox"/> A Angular | INTERVAL | |
| <input type="checkbox"/> Md Moldic | <input type="checkbox"/> P Poor | | <input type="checkbox"/> Core | |
| <input type="checkbox"/> O Organic | | OIL SHOW | <input type="checkbox"/> Dst | |
| <input type="checkbox"/> P Pinpoint | | <input type="checkbox"/> Even | | |

| Curve Track 1 | | Depth | Lithology | Geological Descriptions | Drill Stem Tests |
|---------------|-------------|-------|-------------------------------|---|---|
| ROP (min/ft) | Gas (units) | | | | |
| 0 | 0 | 0 | | | |
| | | | | The open-hole logging was performed by Mr. Larry Smith with Gemini Wireline, LLC (Hays, KS). Logs included: Compensated Density/Compensated Neutron, Dual Induction, and Micro Resistivity. | No Drill Stem Tests Mud Engineer: Tyler Lang |
| | | | 12/2/13 @ 7:00am Spud | Formation tops and datums from the open-hole logs include the following: | |
| | | | 12/3/13 @ 7:00am Drlg, 402' | Anhydrite 1995 424 | |
| | | | 12/4/13 @ 7:00am Drlg, 2,351' | Heebner 3442 -1023 | |
| | | | | Toronto 3469 -1050 | |
| | | | | Lansing 3483 -1064 | |
| | | | | B/KC 3664 -1245 | |
| | | | | Arbuckle 3733 -1314 | |
| | | | | Reagan 3751 -1332 | |
| | | | | Granite Ws | |
| | | | | Granite 3765 -1346 | |
| | | | | RTD 3812 -1393 | |
| | | | | Ls: lt gry-tan, fn-sub xln, mostly DNS, sl chert-off wh | |
| | | | | Sh: drk gry-brn | |
| | | | | Sh: gry-brn-rd, soft | |
| | | | | Ls: tan-gry, fn xln, scat pp porosity, NSFO, sl chalky | |



Chalky

Ls: ala

Ls: tan-lt gry, fn-sub xln, mostly DNS

Ls: ala

Sh: drk gry-brn

Sh: gry-brn-rd

Sh: ala

Ls: off wh-lt gry, fn-sub xln, mostly DNS, chert-off wh

Sh: gry

Sh: drk gry-blk

Ls: off wh-tan-lt gry, ool, mostly DNS, scat ool porosity, sl fossil

Ls: tan-lt gry, fn-sub xln, mostly DNS, sl fossil, sl chalky

Ls: ala

Heebner 3443' (-1024)

Sh: blk, carb, fissile

Ls: off wh-lt gry, fn-sub xln, DNS, sl chalky

Sh: drk gry-brn-rd, vry soft

Sh: ala

Toronto 3470' (-1051)

Ls: off wh-tan-lt gry, fn xln, scat pp porosity, mostly barren, NSFO, no odor, sl chalky

Lansing 3483' (-1064)

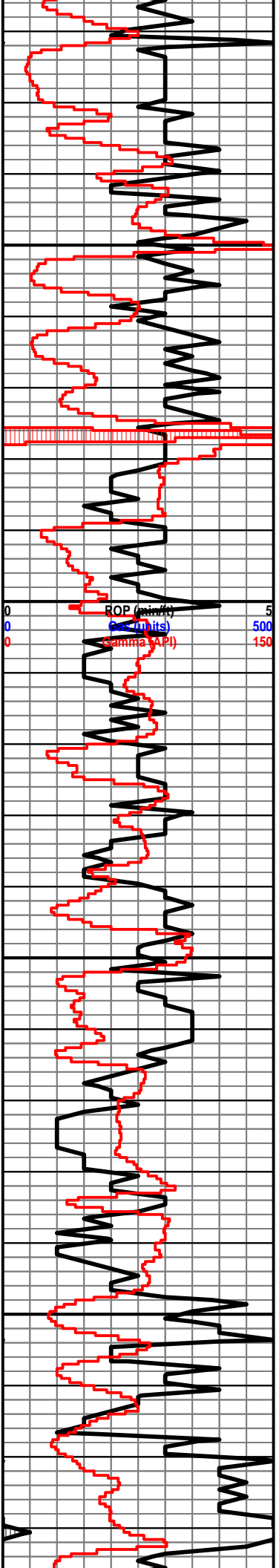
Ls: off wh, fn xln, poor pp porosity, sl oil sat, FSFO, sl odor

Ls: off wh-tan, fn xln, vry poor pp & int xln porosity, sl oil st, SSFO, sl odor

Sh: drk gry

Ls: off wh-tan, fn xln, ool, poor-fair ool porosity, sl oil st, SSFO, sl odor, chert-off wh

Sh: drk gry

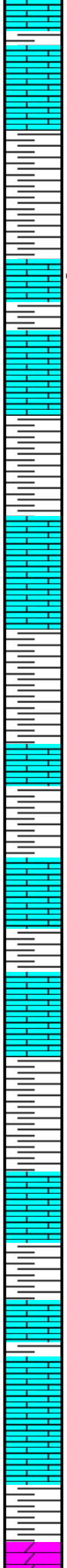


3550

3600

3650

3700



Ls: off wh-tan, fn xln, mostly DNS, NSFO, sl chert, sl chalky

Ls: ala

Sh: lt-drk gry

Sh: drk gry-brn-rd

Ls: off wh-tan, fn xln, poor pp vuggy porosity, sl oil sat, SSFO, sl odor, chert-off wh

Ls: off wh-lt gry, fn-sub xln, mostly DNS, chalky, chert-off wh

Sh: drk gry-blk, scat brn

Sh: drk gry-brn

Ls: tan-lt gry, fn-sub xln, mostly DNS, sl chert-off wh

Sh: lt-drk gry

Sh: ala

Ls: tan-lt gry, fn xln, scat pp porosity, mostly barren, sl chalky

Sh: gry

Sh: lt-drk gry-brn, soft

Ls: off wh-tan-lt gry, fn xln, mostly DNS, mostly barren, sl chert-off wh

Sh: lt-drk gry

Ls: lt gry, fn xln, mostly DNS, chalky

B/KC 3664' (-1245)

Sh: drk gry-brn-rd, vry soft

Sh: ala

Ls: off wh-tan, fn-sub xln, DNS, sl chalky

Ls: ala

Sh: drk gry-brn-rd, vry soft

Sh: ala

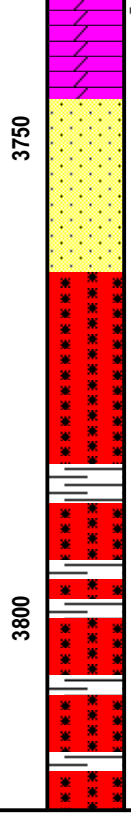
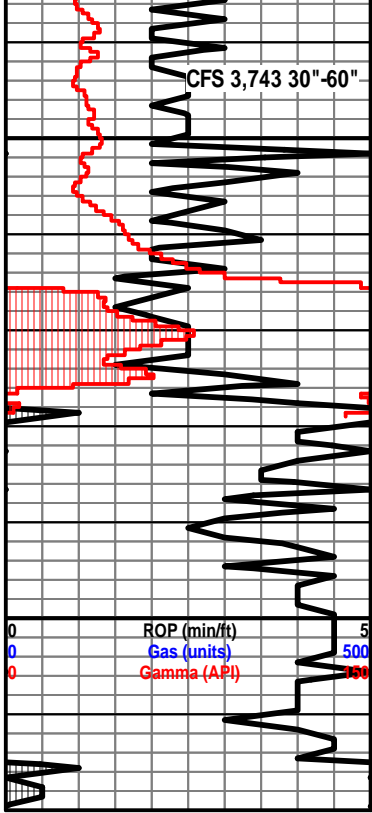
Ls: tan-lt gry, fn-sub xln, mostly DNS, chalky, sl chert-off wh

Ls: ala

Ls: tan-lt gry, fn-sub xln, mostly DNS, sl chalky, scat sh: drk gry

Arbuckle 3734' (-1315)

Dolo: off wh-brn, fn-md xln, poor-fair sucrosic xln



porosity, fair oil st, SFO, fair-good odor, dull-fair
 yel fluor
 Dolo: off wh-brn, fn-md xln, fair int xln porosity, sl
 oil st, SSFO, sl-fair odor

Reagan 3745' (-1326)
 Ss: qtz, fn grn, mostly rounded, fairly well sorted,
 poor int grn porosity, vry lt oil st, VSSFO, sl odor

Granite 3772' (-1353)
 Qtz: off wh-pink, fn-md grn, sub rounded, well
 cemented, vry DNS

Qtz: ala

Qtz: off wh-pink, vry DNS, scat sh: drk gry-brn,
 grn

Qtz, Sh: ala

Qtz: off wh-pink, vry DNS

Sh: drk gry-brn-grn, soft

Wt: 9.5
Vis: 44

ALLIED OIL & GAS SERVICES, LLC 056836

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russell, KS

| | | | | | | | |
|-------------------------|--------------------|------------------------------|-----------------|------------|----------------------|------------------------|---------------------------|
| DATE <u>12.2.13</u> | SEC <u>36</u> | TWP <u>3</u> | RANGE <u>24</u> | CALLED OUT | ON LOCATION | JOB START <u>10:30</u> | JOB FINISH <u>11:00pm</u> |
| LEASE <u>Lawson</u> | WELL # <u>D #1</u> | LOCATION <u>Hill City</u> | | | COUNTY <u>Morton</u> | STATE <u>KS</u> | |
| OLD OR NEW (Circle one) | | <u>N OF Hwy 9 8m to rd 8</u> | | | | | |

CONTRACTOR W W #6 OWNER W W #6

TYPE OF JOB SURFACE

HOLE SIZE 12 1/8 T.D.

CASING SIZE 8 1/8 DEPTH 289.27'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 15'

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 17.47 111 Azo

CEMENT

AMOUNT ORDERED 180 com
+ 3% cc + 2% gel

COMMON 180 SK @ 17.9 \$3,222.00

POZMIX @

GEL 3 cc @ 23.4 \$70.20

CHLORIDE 6 SK @ 64.0 \$384.00

ASC @

HANDLING 183.51 113 @ 2.40 \$440.42

MILEAGE 442.50 11m 2.60 \$1,150.50

TOTAL \$5,287.12

EQUIPMENT

PUMP TRUCK CEMENTER Glenn C

417 HELPER Danny S.

BULK TRUCK

473 DRIVER Jesse C

BULK TRUCK

DRIVER

REMARKS:

* Circulate hole 1/2 Hr.

* Circulated mud to surface.

* Run 100 sk @ 27.42/min

* cement circulated to surface

* Displaced cement 2.17.47 111 Azo

* cement circulated to surface.

* Set 8 1/8 in @ #305 psi.

SERVICE

DEPTH OF JOB 289.27'

PUMP TRUCK CHARGE \$1,512.25

EXTRA FOOTAGE @

MILEAGE steady 50m @ 7.70 \$385.00

MANIFOLD light 50m @ 4.40 \$220.00

TOTAL \$2,117.25

CHARGE TO: John D Farmer.

STREET _____

CITY _____ STATE _____ ZIP 67665

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

To: Allied Oil & Gas Services, LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (if Any) _____

TOTAL CHARGES \$7,399.06

DISCOUNT \$1,549.76 IF PAID IN 30 DAYS

Net 5,849.30

PRINTED NAME Mark Bisio

SIGNATURE Mark Bisio

ALLIED OIL & GAS SERVICES, LLC 061072

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Greens Bay, KS

| | | | | | | | |
|------------------------------------|----------------|---|------------------|------------|----------------------|--------------------------|---------------------------|
| DATE <u>12-7-17</u> | SEC. <u>36</u> | TWP. <u>035</u> | RANGE <u>24W</u> | CALLED OUT | ON LOCATION | JOB START <u>9:00 AM</u> | JOB FINISH <u>1:00 PM</u> |
| LEASE <u>Lowson 10'</u> | WELL# <u>1</u> | LOCATION <u>Norton Sta 5 Rd 4 1/2 W</u> | | | COUNTY <u>Norton</u> | STATE <u>KS</u> | |
| OLD OR NEW (Circle one) <u>NEW</u> | | | NINTO | | | | |

CONTRACTOR W W Drilling #6
 TYPE OF JOB 5 1/2 production
 HOLE SIZE 7 7/8 T.D.
 CASING SIZE 5 1/2 DEPTH 3819.52
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 2649
 PERFS.
 DISPLACEMENT 92.67 bbls Freshwater

OWNER
 CEMENT
 AMOUNT ORDERED 145 SKS Class A + 10% SALT + 5# Kn Seal + DF
50 SKS 60% Class A 40% Poz 4 gal TruFlu
 COMMON 18 @ 17.90 322.20
 POZMIX 12 @ 9.35 112.20
 GEL 1 @ 23.40 23.40
 CHLORIDE @
 ASC 145 @ 20.90 3030.50
500 gal DV-1100 @ 1.27 635.00
2 gal KCL @ 34.40 68.80
Kalocel 725 @ .98 710.50
DF 20 @ 9.80 196.00
Blas seal 8 @ 2.97 23.76
 @
 @
 @
 HANDLING 202.66 @ 2.48 502.57
 MILEAGE 8.89 x 50.4 2.60 1.156.32
 TOTAL 6.781.17

EQUIPMENT

PUMP TRUCK CEMENTER Destra Chambers
 # 597 HELPER Kevin Eddy
 BULK TRUCK
 # 599 DRIVER Kevin Werghaus
 BULK TRUCK
 # 50 DRIVER Andy Cruple

REMARKS:

pump Bull-truck @ 900# pump 500 gal DV-1100
run 20 bbls KCl plug bit w 30 SKS cement
run 145 SKS cement shut down wash lines
release plug replace 92.67 bbls fresh
water had LTR pressure of 600# landed
plug @ 1350D can not release pressure
Due to being force up shut valves & rig down
truck force up way times ~~was~~ -5
plug down 12615 pH temp

SERVICE

DEPTH OF JOB 3819.52
 PUMP TRUCK CHARGE 2600.44
 EXTRA FOOTAGE @
 MILEAGE HUM 50 @ 7.70 385.00
 MANIFOLD Head manifold @ 275.00 275.00
LVM 50 @ 4.40 220.00
 @

TOTAL 3.480.47

CHARGE TO: John D. Farmer
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

1-5 1/2 APU float shoe @ 210.00 210.00
1-5 1/2 port collar @ 490.40 490.40
1-5 1/2 latch down & haffle @ 398.70 398.70
6-5 1/2 centralizer @ 33.75 202.50
2-5 1/2 bag keys @ 159.40 318.80
20-5 cratchers 150.00 3000
weld on
 TOTAL 9.034.45

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____
 TOTAL CHARGES 19.296.09
 DISCOUNT 2.052.32 IF PAID IN 30 DAYS
17.243.77

PRINTED NAME Mark Biggio
 SIGNATURE Mark Biggio
Thank You!

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 7670

| | | | | | | | | |
|----------|----------|------|------|-------|----------------------------------|-------|-------------|---------|
| Date | 12-18-13 | Sec. | Twp. | Range | County | State | On Location | Finish |
| | | | | | Norton | KS | | 3:30 PM |
| Location | | | | | Norton S to S Rd, 4 1/4 W, N n Z | | | |

| | | | | | |
|---------------------|-------------|----------|-------------------|--|--|
| Lease | Lawson | Well No. | D ⁵ 10 | Owner | To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. |
| Contractor | Stewart | | | Charge To | John O Farmer Inc |
| Type Job | Port collar | | | Street | |
| Hole Size | T.D. | | | City | State |
| Csg. | Depth | | | The above was done to satisfaction and supervision of owner agent or contractor. | |
| Tbg. Size | Depth | | | Cement Amount Ordered | 350sx QMDC 1/4 # Flow |
| Tool | Depth | | | Meas Line | Displace |
| Cement Left in Csg. | Shoe Joint | | | 10 gel on the side | |

| | | | | |
|-----------|----|--------------|---------|----------|
| EQUIPMENT | | | Common | 350 Qmbo |
| Pumptrk | 5 | No. Cementer | | Poz. Mix |
| | | Helper | Lonniew | |
| Bulktrk | 19 | No. Driver | David | Gel. |
| | | Driver | Travis | 10 |
| Bulktrk | PU | No. Driver | | Calcium |
| | | Driver | | |

| | | |
|--|------|-------------------------|
| JOB SERVICES & REMARKS | | Hulls |
| Remarks: | | Salt |
| Rat Hole | | Flowseal 87# |
| Mouse Hole | | Kol-Seal |
| Centralizers | | Mud CLR 48 |
| Baskets | | CFL-117 or CD110 CAF 38 |
| Port Collar | 1996 | Sand |
| Tested tool to 1000psi held, Opened tool Mix 10 gel and 350sx QMDC 1/4 # Flow displaced with 10 1/4 bbl fw. Ran 5 Joints washed clean. Cement did not circulate | | Handling |
| | | 360 |
| | | Mileage |

| | |
|-----------------|--|
| FLOAT EQUIPMENT | |
| Guide Shoe | |
| Centralizer | |
| Baskets | |
| AFU Inserts | |
| Float Shoe | |
| Latch Down | |

| | |
|----------------|-------------|
| Pumptrk Charge | port collar |
| Mileage | 63 |

| | | | |
|-------------|-------------|--------------|--|
| X Signature | [Signature] | Tax | |
| | | Discount | |
| | | Total Charge | |

December 26, 2013

RECEIVED DEC 31 2013

John O. Farmer, Inc
P. O. Box 352
Russell, Kansas 67665

**RE: Exception to Alternate II Cementing Requirements
Lawson D # 1
SENWSE section 36-3-24W
Norton County, Kansas
API # 15-137-20679-00-00**

Dear Mr. Farmer,

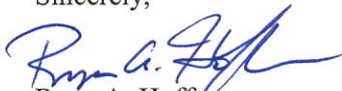
The Kansas Corporation Commission (KCC) has received your request, dated December 20, 2013, through District 4 Supervisor for an exception to Alternate II cementing requirements for the above referenced well. From this request, the KCC understands that subject well was not cemented to surface as required by the Alternate II option. Referenced well has 288 feet of surface casing set with 180 sacks of cement circulated to surface. A cement bond log indicates cement was circulated to 798 feet from a port collar at 1,986 with 350 sacks of cement. The bottom of fresh water is reported at 220 feet with the bottom of usable water listed at 1,240 feet.

After review of this matter by technical staff it was determined that:

1. Surface casing was set deeper than fresh water source in the area with cement coverage to protect the shallow aquifers.
2. All fresh and usable water sources are adequately protected with cement coverage and any remaining intervals not covered by cement contain no fresh or useable water zones.
3. The Dakota appears to be adequately isolated with cement and any remaining intervals not cemented contain no fresh or usable water nor present any threat of contamination from the shales in the interval.

Based on this information that the fresh and usable water zones are adequately protected with cement coverage and that any remaining intervals not cemented behind the production casing contain no threat of contamination from the shales in the intervals. Therefore, an exception is granted for the Alternate II requirement.

Sincerely,


Ryan A. Hoffman
Director

cc: Case Morris – District 4
Steve Bond – Production Supervisor

JOHN O. FARMER, INC.
OIL PRODUCERS AND OPERATORS

370 West Wichita Avenue
P.O. Box 352
Russell, KS 67665

785-483-3144
(FAX) 785-483-6020

December 20, 2013

Case Morris
KCC – Hays District
2301 E. 13th St.
Hays, KS 67601

Re: Lawson D #1
SE/4 Sec. 36-3S-24W
Norton Co., KS

Dear Mr. Morris:

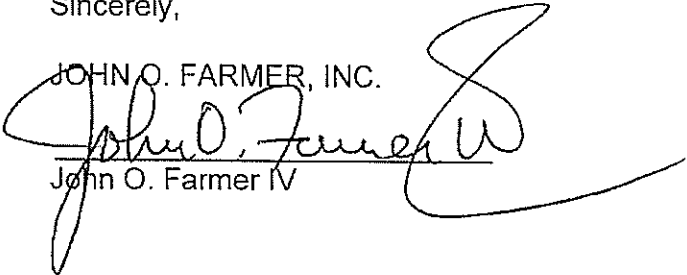
John O. Farmer, Inc. requests an exception to the Alternate II cementing requirement from the Kansas Corporation Commission for the above well. This well has 8 5/8" casing set at 288' and was successfully cemented with 180 sacks Common cement with 2% Gel & 3% CC on December 2nd of this year.

While cementing the long string upper stage on December 18th through the port collar at 1,986', we had an occasional blow and circulation on the backside (see enclosed report); we pumped 350 sacks of QMDC cement. After running a cement bond log, we found the cement covered from the port collar up to around 798', with Gel at around 540'. We are hoping that since we have the base of the Dakota covered that the Kansas Corporation Commission might make an exception for us to cement the remainder of the uncovered casing from 288' – 798'.

Please review the enclosed documents and if you have any questions, please do not hesitate to give me a call.

Sincerely,

JOHN O. FARMER, INC.


John O. Farmer IV

JOFIV/slc
Enclosure

.....

Duane K. Eichman
1530 AA Road
Plainville, KS 67663
Home (785) 434-7510
Mobile (785) 483-8355

John O. Farmer, Inc.

Lawson D #1

1,815' FSL & 1,815' FEL Sec. SE of 36-3S-24W
Norton County, Kansas

December 13, 2013

Poe Servicing Inc. moved in 102 joints of refurbished 2 7/8" tubing from John O Farmer Inventory that came from the Buss B #2, 19 joints of new limited service 2 7/8" tubing from Midwest Pipe Inc. and moved in their 10' by 15' tall 210 Bbl. swab tank, plumbed up and back filled well head the cellar.

December 17, 2013

Rigged up Stewart Well Service Inc. double drum pole pulling unit and shut down for the day.

December 18, 2013

X-Pert Service Tools Inc. ran in their 5 1/2" by 2 1/2" port collar opening tool to 1,986', Keller Tank Truck Service Inc. was on hand with 160 bbl. of fresh water. Quality Oilwell Cementing, Inc. tested the casing to 1,000 lb. Opened the port collar, got a blow and started ten sacks of Gel and then cemented the casing with 350 sacks of QMDC cement with 1/4 # Flow seal. Staged on the cement job with 100 sacks pumped in for 15 minutes after losing circulation with only a blow on the back side, pumped 150 more sacks of cement and staged 15 more minutes after no circulation with only a light blow on the back side. Pumped the last 100 sacks of cement, closed the port collar and tested the casing to 1,000 lb. and held. Marvin Mills for the KCC witnessed the cement job. Pulled the tubing and the port collar opening tool from the well and shut down for the day.

December 19, 2013

Gemini Wireline LLC ran a temperature survey and a gamma ray cement bond log in the well, found TD at 3,719 ft. and the top of cement at 2,268 ft. Found good cement in the upper stage displaced from the port collar at 1,986 ft. up to 798 ft. from the surface with no sign of cement from 540 ft. on up to surface.

Duane K. Eichman

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