Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1233587

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 # 31980
Name: Lotus Operating Company, L.L.C.
Address 1: 100 S MAIN ST, STE 420
Address 2:
City: WICHITA State: KS Zip: 67202 + 3737
Contact Person: Tim Hellman
Phone: ( 316 ) 262-1077
CONTRACTOR: License # 33939
Name: Blackgold Oilfield Service LLC
Wellsite Geologist: Tim Hellman
Purchaser: Coffeyville Resources and ONEOK

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: Lotus Operating Co LIC
Well Name: #1 Molz L
Original Comp. Date: 5/12/2011 Original Total Depth: 5407

☐ 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 #:

10/31/2014 — Spud Date or Recompletion Date
— Date Reached TD
11/22/2014 — Completion Date or Recompletion Date

API No. 15 - 15-007-23690-00-01
Spot Description:
N2 - NW - SW - NE Sec. 1 Twp. 35 S. R. 12 ☐ East ☑ West
1485 Feet from ☑ North / ☐ South Line of Section
2310 Feet from ☑ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Barber
Lease Name: Molz 'L' Well #: 1
Field Name: Stranathan/Hardtner
Producing Formation: Mississippi
Elevation: Ground: 1419 Kelly Bushing: 1423
Total Vertical Depth: 5407 Plug Back Total Depth: 5100
Amount of Surface Pipe Set and Cemented at: 282 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:** NAOMI JAMES **Date:** 12/02/2014

1233587

Operator Name: Lotus Operating Company, L.L.C. Lease Name: Molz 'L' Well #: 1

Sec. 1 Twp. 35 S. R. 12 ☐ East ☑ West County: Barber

**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 ☐ Yes ☑ No
*(Attach Additional Sheets)*

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☐ Yes ☑ No

List All E. Logs Run:

☑ Log Formation (Top), Depth and Datum ☐ Sample

| Name | Top | Datum |
|---|---|---|
| Miss | 4790 | -3367 |

CASING RECORD ☐ New ☐ 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 |
|---|---|---|---|---|
| ☐ Perforate<br>☐ Protect Casing<br>☐ Plug Back TD<br>☐ 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 *(Amount and Kind of Material Used)* | Depth |
|---|---|---|---|
| | | CIBP @ 5100 | |
| 2 | 4792-4847 | Acid 3300 gal 10 NEFE & frac w/ 282,600 sd and 9310 bbl of slick water | 4792-4847 |
| | | | |
| | | | |
| | | | |

| TUBING RECORD: | Size: | Set At: | Packer At: | Liner Run: |
|---|---|---|---|---|
| | 2.875 | 4909 | none | ☐ Yes ☑ No |

Date of First, Resumed Production, SWD or ENHR. 11/26/2014

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|---|---|---|---|---|---|
| | 50 | 100 | 200 | | |

DISPOSITION OF GAS:
☐ Vented ☑ Sold ☐ Used on Lease
*(If vented, Submit ACO-18.)*

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:
4792-4847

**Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202**

***CELLS WITH BLUE BACKGROUND ARE THE ONLY CELLS TO BE EDITED***

| | |
|---|---|
| **Fracture Start Date/Time:** | 11/21/14 11:29 |
| **Fracture End Date/Time:** | 11/29/14 12:51 |
| **State:** | Kansas |
| **County:** | Barber |
| **API Number:** | 15-007-23690-0000 *(e.g. XX-XXX-XXXXX-0000)* |
| **Operator Name:** | LOTUS OPERATING COMPANY LLC |
| **Well Name:** | Molz L #1 |
| **Federal Well:** | |
| **Longitude:** | -98.5749117 |
| **Latitude:** | 37.0317646 |
| **Long/Lat Projection:** | NAD27 |
| **True Vertical Depth (TVD):** | 0' |
| **Total Clean Fluid Volume* (gal):** | 391,020 |

| *Additive* | *Specific Gravity* | *Additive Quantity* | *Mass (lbs)* | |
|---|---|---|---|---|
| Water | 1.00 | 391,020 | *3,263,062* | *gal* |
| Sand (Proppant) | 2.65 | 282,600 | *282,600* | *lb* |
| Plexcide B7 | 1.33 | 20 | *222* | *gal* |
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| Plexgel Breaker XPA | 1.03 | 58 | *499* | *gal* |
| Plexset 730 | 0.90 | 104 | *781* | *gal* |
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| Plexsurf 580 ME | 0.95 | 93 | *737* | *gal* |
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| Plexslick 957 | 1.11 | 259 | *2,399* | *gal* |
| Claymax | 1.09 | 185 | *1,683* | *gal* |
| Plexgel 907L-EB | 1.04 | 380 | *3,298* | *gal* |
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| Plexgel 907L-EB | 1.04 | 380 | *3,298* | *gal* |
| Plexgel Breaker 10L | 1.10 | 5 | *46* | *gal* |
| | | | | *gal* |
| | | | | *gal* |
| | | | **Total Slurry Mass (Lbs)** | |
| | | | *3,570,259* | |

***Ingredients Section:***

| Trade Name | Supplier | Purpose | Ingredients | Chemical Abstract Service Number (CAS #) | Maximum Ingredient Concentration in Additive (% by mass)** | Mass per Component (LBS) | Maximum Ingredient Concentration in HF Fluid (% by mass)** | Comments |
|---|---|---|---|---|---|---|---|---|
| Water | Operator | Carrier/Base Fluid | Water | 7732-18-5 | 100.00% | *3,263,062* | *91.39567%* | |
| Sand (Proppant) | Uniman | Proppant | Crystalline Silica in the form of Quartz | 14808-60-7 / 238-878-4 | 99.90% | *282,317* | *7.90748%* | |
| Plexcide B7 | Chemplex | Biocide | Sodium Hydroxide | 1310-73-2 | 4.99% | *11* | *0.00031%* | |
| Plexcide B7 | Chemplex | Biocide | Alkaline Bromide Salts (non-hazardous) | NA | 0.00% | *0* | *0.00000%* | |
| Plexgel Breaker XPA | Chemplex | Slickwater Breaker | Hydrogen Peroxide | 7722-84-1 | 7.00% | *35* | *0.00098%* | |
| Plexset 730 | Chemplex | Activator | Methanol | 67-56-1 | 50.00% | *391* | *0.01094%* | |
| Plexset 730 | Chemplex | Activator | Alcohol Ethoxylates | Mixture | 60.00% | *469* | *0.01313%* | |
| Plexsurf 580 ME | Chemplex | Product Stabilizer | Methyl Alcohol | 67-56-1 | 10.00% | *74* | *0.00207%* | |
| Plexsurf 580 ME | Chemplex | Product Stabilizer | 2-Butoxyethanol | 111-76-2 | 50.00% | *369* | *0.01033%* | |
| Plexslick 957 | Chemplex | Friction Reducer | Petroleum Hydrotreated Light Distillate | 64742-47-8 | 25.00% | *600* | *0.01680%* | |
| Claymax | Chemplex | Clay Stabilizer | No Hazardous Ingredient | NA | 0.00% | *0* | *0.00000%* | |
| Plexgel 907L-EB | Chemplex | Gelling Agent | Distillates, Hydrotreated Light | 64742-47-8 | 50.00% | *1,649* | *0.04619%* | |
| Plexgel 907L-EB | Chemplex | Gelling Agent | Organophylic Clay | NDA | 2.00% | *66* | *0.00185%* | |
| Plexgel 907L-EB | Chemplex | Gelling Agent | Crystalline Silica | 14808-60-7 | 0.06% | *2* | *0.00006%* | |
| Plexgel 907L-EB | Chemplex | Gelling Agent | Alcohol Ethoxylates | 34398-01-1 | 1.00% | *33* | *0.00092%* | |
| Plexgel 907L-EB | Chemplex | Gelling Agent | Guar Gum | 9000-30-0 | 50.00% | *1,649* | *0.04619%* | |
| Plexgel Breaker 10L | Chemplex | Breaker/Gel | No Hazardous Ingredient | NA | 0.00% | *0* | *0.00000%* | |
| | | | | | | | | |
| | | | | | | | | *Non-MSDS Component* |
| | | | | | | | | *Non-MSDS Component* |
| | | | | | | | | *Non-MSDS Component* |
| | | | | | | | | *Non-MSDS Component* |
| | | | | | | | | *Non-MSDS Component* |

*Total Water Volume sources may include fresh water, produced water, and/or recycled water
** Information is based on the maximum potential for concentration and thus the total may be over 100%

All component information listed was obtained from the supplier's Material Safety Data Sheets (MSDS). As such, the Operator is not responsible for inaccurate and/or incomplete information. Any questions regarding the content of the MSDS should be directed to the supplier who provided it. The Occupational Safety and Health Administration's (OSHA) regulations govern the criteria for the disclosure of this information. Please note that Federal Law protects "proprietary", "trade secret", and "confidential business information" and the criteria for how this information is reported on an MSDS is subject to 29 CFR 1910.1200(i) and Appendix D.