

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

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: <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: <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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Stroke of Luck Energy & Exploration LLC
Well Name	LEACH 03-1216
Doc ID	1410343

All Electric Logs Run

Dual Induction Log
Mirco Log
Sonic Log
Neutron Denisty Log

Summary of Changes

Lease Name and Number: LEACH 03-1216

API/Permit #: 15-085-20093-00-00

Doc ID: 1410343

Correction Number: 1

Approved By: Karen Ritter

Field Name	Previous Value	New Value
Approved Date	05/10/2017	05/29/2018
Date of First or Resumed Production or SWD or Enhr Geologist Report / Mud Logs?		05/05/2018
		Yes
Method Of Completion - Perf	No	Yes
Operator's Contact Name	Jim Henkle	Ken Walker
Operator's Phone	617-2868	925-2582
Operator's Phone Area Code	620	785
Perf_perf1bottom		2675
Perf_perf1top		2674
Perf_perf2bottom		3352

Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
Perf_perf2top		3344
Perf_shots1		4
Perf_shots2		4
PerforationsRevised		[[dataGrid]]
Producing Method Pumping	No	Yes
Production Interval #1		2674
Production Interval #2		3344
Production Interval #3		2675
Production Interval #4		3352
TopsDatum2		-1652
TopsDepth2		2774
TopsName2		Hunton

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1354602
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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Form must be Signed

All blanks must be Filled

CONFIDENTIAL 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
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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: _____

GLOBAL OIL FIELD SERVICES, LLC

2806

MIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell, KS

DATE <u>1-24-17</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>11:45 AM</u>
LEASE <u>Leach</u>	WELL # <u>R-1116</u>	LOCATION			COUNTY <u>Jackson</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (CIRCLE ONE)							

CONTRACTOR Kan - Drill

TYPE OF JOB Long string DV Job

HOLE SIZE 7 7/8 I.D. 3475

CASING SIZE 5 1/2 DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DV Tool DEPTH 1547

PRES. MAX. MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS

DISPLACEMENT 81 bbl

EQUIPMENT

PUMP TRUCK CEMENTER Heath

417 HELPER Jason

BULK TRUCK

378 DRIVER Kris

BULK TRUCK

473 DRIVER Jack

OWNER

CEMENT

AMOUNT ORDERED 150sv com 10% Salt
2 bags of 20lb plaster
345 sv 60/40 6% gel

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

REMARKS:

Run 92 JTS of 5 1/2 casing and landing it
est circulation for 30 min - hook up
and mix 25sv 60/40 6% gel and put
in with 150sv com 10% salt 2 bags of plaster
wash pump and lines clean - release plug
and diso 81 bbl H2O - lifting pressure @ 70psi
plug landed @ 1700psi - Released and diso
up - Drop JTS - open DV tool 1200psi - circulate
for 30 min - hook up on 2nd 2 bags 60/40 - wash
up and release plug - pump 35 bbl H2O - plug @ 1100
psi

CHARGE TO: Stroke of luck

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

8-5 1/2 cent

2-5 1/2 basket @

1- DV Tool @

1- 60/40 Plug @

1- 5 1/2 H/D shoe @

RECEIVED @

TOTAL

JAN 30 2017

Global Oil Field Services, LLC Thank You!!

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.

PRINTED NAME Jim Henke

SIGNATURE [Signature]

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT

IF PAID IN 30 DAYS

Cement did circulate to surface!

GLOBAL OIL FIELD SERVICES, LLC

2601

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell, KS

DATE <u>1-11-17</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>1 each</u>	WELL # <u>27-1216</u>	LOCATION			COUNTY	STATE	
OLD OR NEW (CIRCLE ONE)							

CONTRACTOR _____

TYPE OF JOB Surface

HOLE SIZE _____ T.D. _____

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX. _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. add out

PERFS _____

DISPLACEMENT _____

EQUIPMENT _____

PUMP TRUCK CEMENTER Heath

109 HELPER Casey

BULK TRUCK DRIVER Mike

_____ DRIVER _____

OWNER _____

CEMENT AMOUNT ORDERED 2000.00 34.00

240 gal

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

ASC _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

TOTAL _____

REMARKS:

Run 7 hrs of 2 1/2" 26" of casing

Work up and mix 2000 and 27

1000 gal of 1100 - 34.00

Cement did circulate to surface

CHARGE TO: _____

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

MANIFOLD _____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

Global Oil Field 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.

PRINTED NAME _____

SIGNATURE [Signature]

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

DEACON GEOLOGY INC.

6739 SW Scathelock Rd.

Topeka, KS 66614-4457

785-272-4383

(TIGHT HOLE)

GEOLOGISTS REPORT

For

LEACH #3-2016

2245 E, 1344 N

SE, NW,SW,

Sec. 15, T7S, R13E

JACKSON COUNTY, KS

API 15-085-20093-0000

January 26, 2017

By

GEORGE E. PETERSEN

DEACON GEOLOGY INC.

GEOLOGISTS REPORT**LEACH 3-2016**

On location 1/11-1/12 2017 well shut down due to weather ice warning.

On location 1/19-1/24 2017 Released from location 1:30 PM 1/24 logging complete.

ELEVATION 1118 .33 GL. All log measurements after site leveling from 1116 GL

FORMATION	LOG DEPTH	LOG DATUM	THICKNESS
Lansing	1192	- 76	
B/KC	1542	-426	350
Altamont Ls	1644	-528	8
Cherokee	1772	-656	698
Burg Sd	2436	-1320	34
Miss Lm	2470	-1354	78
Kinderhook Sh	2548	-1431	227
Hunton	2774	-1658	498
Maquoketa	3272	-2156	72
Viola	3344	-2228	100
Simp Dol	3444	-2328	6
Simp Sd	3450	-2334	8
Arbuckle	3458	-2342	

RTD 3475, LTD 3474

Sample returns were examined microscopically from 1100 to TD for the presence of visible hydrocarbons. The sample returns that were examined were of very poor quality due to the high pump pressures and a sample catch box that was in the process of being modified during the drilling to try to get better samples.

There were no samples from the Lansing to the top of the Hunton that had any visible shows of hydrocarbons. Analysis of the logs that were run also had no intervals that need to be examined further.

HUNTON:

The top of the Hunton was called at a log measured depth of 2774 feet. Sample returns contained a tan to white dolomite with visible vug porosity in samples that were recovered. There was a very good show of free oil in the pore spaces, and there was a fair to good show of oil on the pit. There was also a strong odor present in the samples. Wet samples in a cup left good oil ring

The upper six to eight feet of the formation showed good porosity and resistivity on the logs. Further analysis of the logs are being evaluated by personnel from the ELI logging company.

The log data, shows in the samples and comparison with wells in the area, indicate that oil can be produced in commercial quantities from this zone.

VIOLA;

The Viola was reached at a log depth of 3344. There was a good show of medium brown free oil in good vugular porosity noted in the samples. Log responses indicate 6-8 feet of good porosity and resistivity and these intervals are also being studied by ELI personnel. As with the Hunton, this interval should be the first zone to be completed in this well.

SIMPSON:

The upper Simpson, log depth 3444, appears to be a dolomitic zone with no evidence of hydrocarbons being present. A very friable sand with about 8 feet of thickness lies immediately below the dolomitic zone. The very limited sample return that was logged had slight show of free oil and a slight odor. There was a slight show on the pits. The log response suggests that this interval will have a very high water to oil ratio and no attempt at completion is recommended for this interval in this well.

ARBUCKLE:

The Arbuckle top was based on the harder drilling time. The samples that were retrieved from this unit had no visible shows or odor. This unit was drilled to provide a rat hole deep enough to allow the Simpson to be logged.

CONCLUSIONS AND RECOMMENDATIONS:

Although sample returns were poor, sufficient samples were found with good shows of oil and visible porosity in both the Hunton and Viola. The strong odor, shows of oil on the pit, and evidence on the logs of favorable conditions indicated that an attempt to produce these two zones will be made after considering all information available.

DISCLAIMER:

The recommendation made hereon shall not be construed as absolute and are made without assumption of liability and are statements of observation/research/training and experience within the area.

The services rendered on the Leach #3-2016 were done without any biasing influence, intentional or unintentional, from any employee or representative of Stroke of Luck Energy & Development LLC.

Geologists will receive a 2% ORRI on the positive completion of this well.

Should you require additional services or information, please contact me.

Respectfully submitted;