



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1231600  
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
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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: \_\_\_\_\_

1231600

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  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				

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Lasso Energy LLC
Well Name	Renick 2
Doc ID	1231600

Tops

Name	Top	Datum
Heebner	4110	-1288
Toronto	4128	-1306
Lansing-Kansas City	4194	-1372
LKC 'B'	4226	-1404
LKC 'D'	4268	-1446
LKC 'F'	4295	-1473
LKC 'G'	4327	-1505
Muncie Creek	4371	-1549
LKC 'H'	4379	-1557
LKC 'I'	4402	-1580
LKC 'J'	4434	-1612
Stark	4494	-1672
LKC 'K'	4500	-1678
Hushpuckney	4536	-1714
LKC 'L'	4544	-1722
Base Kansas City	4626	-1804
Marmaton	4648	-1826
Pawnee	4721	-1899
Ft. Scott	4744	-1922
Cherokee	4760	-1938
Cherokee Lime	4845	-2023
Ste. Genevieve	4898	-2076
St. Louis	4954	-2132



REVISION:  
03/13/2014

LOCATION:  
19-T25S-R29W GRAY COUNTY, KANSAS

WELL No: 2

REV.

**LASSO RENICK #2**

SURFACE TEMP: 70 DEG F MAX

K.B.: 8'

G.L. ELEVATION 2814' (SHL)

SLAWSON RENICK Q #1  
50' NORTH OF LASSO RENICK #2

SET TOP CLPG 12" AGL

5 1/2" X 2 3/8" TUBING HEAD

12 1/4" HOLE SIZE  
1785'

NO CASING LEAK AS OF 10/24/2014  
1896'

7 7/8" HOLE SIZE  
5000.39'

TOP OF DRIVEN DOWN CIBP: 5022'  
RAT HOLE: 5000' TO 5022' (22')

2 7/8" TUBING SUBS  
4', 6', 8' AND 10' SUBS ON TOP

8 5/8" 23 LB/FT SURFACE CASING  
44 JOINTS TALLY 1774'  
SET AT 1785' (DRILL 12 1/4" DIA. BIT)

TOP OF ANHYDRITE AT BOP ATTACHES TO 8 5/8" CASING  
10 3/4" RING ON BRADEN HEAD  
CEMENT TO SURFACE WITH 705 SACKS EST. - CIRCULATED  
PLUG DOWN AT 0950 HRS 02/27/2014 - BASIC ENERGY SERVICES  
455 SACKS COMMON A AND 150 SACKS PRE PLUS EST.

2 7/8" PRODUCTION TUBING  
API J55 UPSET NEW  
154 JOINTS TOTAL = 4877.30  
31.67' PER JT. AVG.

5.5" PRODUCTION CASING  
123 JOINTS = 5157.89' SET AT 5157' KB  
17.00 LB/FT  
(DRILL 7 7/8" DIA. BIT - HOLE)

3720' TOP OF CEMENT (TOC)

270 SACKS (AA-2)  
SEE CEMENT TICKETS/PROPOSAL  
2230 HRS 03/04/2014

**CHEROKEE PERFORATIONS**

- 4826'-4840' (14') 4 SPF (56 HOLES)
- 4845'-4849' (4') 4 SPF (16 HOLES)
- 4852'-4858' (6') 1 SPF (7 HOLES)
- 4860'-4864' (4') 4 SPF (16 HOLES)
- 4870'-4876' (6') 1 SPF (7 HOLES)
- 4882'-4892' (10') 1 SPF (11 HOLES)

**MISSISSIPPIAN PERFORATIONS**

- 4904'-4910' (6') 4 SPF (24 HOLES)

9.25 DEG DEV.  
NOT TO SCALE

**NOTES:**

PUMPING UNIT: C - 160 - 240 - 74 (74" SURFACE STROKE)  
CONVENTIONAL NATIONAL UNIT  
50 HP ELECTRIC MOTOR WITH 50 HP SPOCC VFD  
VFD INSTALLED  
RUN TIME: 24 HRS PER DAY  
1.25" X 22' POLISHED ROD WITH LINER ASSEMBLY  
1.50" HARD FACED POLISHED ROD LINER X 10'  
4' PONY RODS ON TOP (7/8" GRADE N97)  
1.50" X 16' HARD LINED POLISHED ROD LINER WITH SEAL  
(73) 1825' OF 7/8" GRADE N97 SUCKER RODS (TOP TAPER)  
(123) 3075' OF 3/4" GRADE N97 SUCKER RODS  
(2) 50' OF 1.5000" SINKER BARS ON BOTTOM  
ONE 2' X 3/4" GRADE N97 PONY ROD ON BOTTOM (TOP OF PUMP)  
SPEED RANGE: 4 TO 14 SPM (CURRENT SPEED 10 SPM)

**TUBULARS**

PURPOSE	CONDUCTOR 13 3/8"	SURFACE 8 5/8"	INTERMEDIATE	PRODUCTION 5 1/2"	PROD. TUBING 2 7/8"
WEIGHT	NONE	2,946 PSIG	NONE	17.0 LB/FT	6.40 LB/FT
GRADE	NONE	J-55	NONE	J-55	J-55
BURST	NONE	24.0 LB/FT	NONE	5,320 PSIG	7,265 PSIG
COLLAPSE	NONE	381,395 LBF	NONE	4,911 PSIG	7,676 PSIG
YIELD	NONE	1,434 PSIG	NONE	272,933 LBF	99,661 LBF
CAPACITY	NONE	0.064 BBL/S/FT	NONE	0.023 BBL/S/FT	0.006 BBL/S/FT
THICKNESS	NONE	0.2640"	NONE	0.3040"	0.2170"
ID	NONE	8.0970"	NONE	4.8920"	2.4410"
DRIFT ID	NONE	7.9720"	NONE	4.7670"	2.3470"
AREA	NONE	51.49 IN2	NONE	18.80 IN2	4.68 IN2
SETTING DEPTH	NONE	1774'	NONE	5,158'	
LENGTH	NONE	1774'	NONE	5,158'	NEED 5,200'
FOB	NONE	CHASE, KS	NONE	CHASE, KS	CHASE, KS

GUN OWEN 4000-317  
0.450" DIA.  
36.0" PEN.

DATE	03/04/2014
APPROVED BY	B. KELSO
API No.	15069204600000
GL ELEVATION	2814'
KB	8'
KB ELEVATION	2822'
RIG	FOSSIL

5 1/2" CIBP SET AT 4935' (KNOCKED DOWN TO 5022')

2 7/8" X 5 1/2" X 3.20' LONG FULL BORE PACKER (TENSION 35,000 LBS) SET AT 4920.30'  
\*NICKEL PLATED ARROSET FULL BORE

2 7/8" -- 2 JOINTS OF TUBING (63.33')

2 7/8" STANDARD TUBING COUPLING

2 7/8" X 1.10' STANDARD SEATING NIPPLE SET AT 4985.14'

2 7/8" STANDARD TUBING COUPLING

2 7/8" X 15.25' PERFORATED MUD ANCHOR

**ST. LOUIS PERFORATIONS**

- 4954'-4960' (6') 4 SPF (24 HOLES)

\*CHEMICAL SQUEEZE ST. LOUIS ON 10/23/2014

PBTD: 5129' MD

RTD: 5206' MD

LTD: 5206' MD

DOWNHOLE TEMP: 135 DEG F (EST.)

**CHEROKEE PERFORATIONS AND MISSISSIPPIAN PERFORATIONS SHUT OFF BY PACKER ISOLATION PUMPING UNDER PACKER ON 10/24/2014 PUMPING FROM ST. LOUIS ONLY**

**DOWN HOLE SUCKER ROD PUMP:**

- 1.5000" RWT INSERT PUMP (130" MAX STROKE)
- 2 1/2" X 1 1/2" X 14'
- PUMP LENGTH: 14' (NICARD AND SS)
- BOTTOM HOLD DOWN TYPE TRAVELING BARREL
- 2' X 7/8" (N97) PONY ROD ON TOP OF PUMP
- 1" X 1" GAS SEPARATOR ON THE BOTTOM
- PUMP INTAKE DEPTH: 4990'

**RENICK #2**

GRAY COUNTY, KANSAS  
30-T25S-R29W  
SHL: 710 FNL, 2000 FEL  
BHL: 731 FNL, 1976 FEL  
UNNAMED FIELD

