

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 Recompletion Date _____ 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				

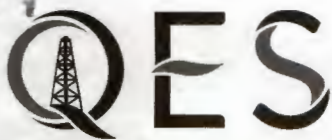
1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted 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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PRESSURE PUMPING LLC
PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

SM-10814
PO-16848
FT-10706

TICKET NUMBER **54031**
LOCATION Chawa, KS
FOREMAN Casey Kennedy

**FIELD TICKET & TREATMENT REPORT
CEMENT**

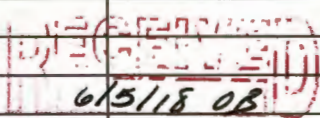
DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6/4/18	5949	LK Lease #9	NW6	18	22	M1
CUSTOMER LH Oil LLC c/o Oil Sources			TRUCK #			
MAILING ADDRESS 12508 Catalina St.			DRIVER			
CITY Lawwood		STATE KS	ZIP CODE 66209	TRUCK #		
				DRIVER		
				729 CasKen ✓ Safety Meeting		
				467 KeiCar ✓		
				503 HarBae ✓		
				675 KeiDet ✓		

JOB TYPE longstring HOLE SIZE 5 7/8" HOLE DEPTH 660' CASING SIZE & WEIGHT 2 7/8"
CASING DEPTH 642' DRILL PIPE _____ TUBING 6 10" - baffle OTHER _____
SLURRY WEIGHT 14.2 #/gal SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 32'
DISPLACEMENT 3.53 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 100# Gel followed by 5 bbls fresh water, mixed & pumped 79 sls Pozblend IA cement w/ 2% gel per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 3.53 bbls fresh water, pressured to 800 PSI, released pressure to set float valve.

[Handwritten signature]

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	
CE0002	20 mi	MILEAGE	143.00	
CE0711	min	ton mileage	660.00	
WE0853	2 hrs	80 Vac	200.00	
		trucks	2503.00	
		-30%	750.90	
		Subtotal		1752.10
CC5840	79 sls	Pozblend IA cement	1066.50	
CC5965	233 #	Gel	69.90	
CP8176	1	2 1/2" rubber plug	45.00	
		materials	1181.40	
		-30%	354.42	
		Subtotal		826.98
SCANNED				
			8%	SALES TAX 66.16
				ESTIMATED TOTAL 2645.24
				(3778.91)



Ravin 3737 AUTHORIZATION *[Signature]* TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

Short Cuts

TANK CAPACITY

BBLs. (42 gal.) equals $D^2 \times h \times 14$
D equals diameter in feet.
h equals height in feet.

BARRELS PER DAY

Multiply gals. per minute x 34.2

HP equals BPH x PSI x .0004

BPH - barrels per hour
PSI - pounds square inch

TO FIGURE PUMP DRIVES

- * D - Diameter of Pump Sheave
- * d - Diameter of Engine Sheave
- SPM - Strokes per minute
- RPM - Engine Speed
- R - Gear Box Ratio
- *C - Shaft Center Distance

D - $RPM \times d$ over $SPM \times R$

d - $SPM \times R \times D$ over RPM

SPM - $RPM \times D$ over $R \times d$

R - $RPM \times D$ over $SPM \times d$

BELT LENGTH - $2C + 1.57(D + d) + \frac{(D-d)^2}{4C}$

* Need these to figure belt length

TO FIGURE AMPS: $\frac{WATTS}{VOLTS} = AMPS$

746 WATTS equal 1 HP

Log Book

Well No. 9

Farm LK Lease

KS Miami
(State) (County)

6 18 22
(Section) (Township) (Range)

For LH Oil, LLC
(Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East
Louisburg, KS 66053
913-710-5400

Miami County, KS
Well: LK # 9
Lease Owner:LH Oil

Town Oilfield Service, Inc.
(913) 294-2125

Commenced Spudding:
6/1/18

WELL LOG

Thickness of Strata	Formation	Total Depth
0-5	Soil-Clay	5
12	Lime	17
10	Shale	27
2	Lime	29
8	Shale	37
7	Lime	44
23	Shale	67
1	Lime	68
17	Shale	85
16	Lime	101
9	Shale	110
29	Lime	139
7	Shale	146
21	Lime	167
5	Shale	172
5	Lime	177
2	Shale	179
4	Lime	183
25	Shale	208
7	Sand	215
111	Shale	326
14	Limey Sand	340
8	Lime	348
1	Shale	349
8	Lime	357
46	Shale	403
7	Lime	410
9	Shale	419
4	Lime	423
13	Shale	436
9	Lime	445
18	Shale	463
2	Lime	465
4	Shale	469
6	Lime	475
6	Shale	481
12	Sand	493
2	Sand	495
5	Sandy Shale	500
68	Shale	568

Thickness of Strata	Formation	Total Depth	Remarks
0-5	soil-clay	5	
12	Lime	17	
10	Shale	27	
2	Lime	29	
8	Shale	37	
7	Lime	44	
23	Shale	67	redbed
1	Lime	68	
17	Shale	85	
16	Lime	101	
9	Shale	110	
29	Lime	139	
7	Shale	146	
21	Lime	167	
5	Shale	172	
5	Lime	177	
2	Shale	179	
4	Lime	183	Heltha
25	Shale	208	
7	sand	215	grey - no oil
111	Shale	326	3/6-redbed
14	limy sand	340	gas odor - slight oil show
8	Lime	348	
1	Shale	349	
8	Lime	357	
46	Shale	403	
7	Lime	410	

