

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1248950  
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: \_\_\_\_\_

1248950



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:  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

<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	Lawco Holdings, LLC
Well Name	Radcliff 2-5
Doc ID	1248950

Tops

Name	Top	Datum
Pawhuska	936	1,306 GR
Stalnaker	1634	1,306 GR
Hog Shooter	1982	1,306 GR
Altamont	2410	1,306 GR
Fort Scott	2528	1,306 GR
Mississippian Chat	2834	1,306 GR
Meramecian	2844	1,306 GR
Woodford	3198	1,306 GR
Arbuckle	3200	1,306 GR



810 E 7<sup>TH</sup>  
 PO Box 92  
 EUREKA, KS 67045  
 (620) 583-5561



**Cement or Acid Field Report**  
 Ticket No. 2067  
 Foreman Shannon Feck  
 Camp Eureka, KS

API # 15-035-24636

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State	
4-2-15	1136	Radcliff #2-5	5	33 S	7 E	Cowley	KS	
Customer	Mailing Address	City	State	Zip Code	Unit #	Driver	Unit #	Driver
Lawco Holding LLC	113 N. main P.O. Box 423	Bentonville	AR	72712	105	Dave G		
					112	Steve m		
					113	Chris B		
					141	Rick L		

Job Type L/S Hole Depth 3855' Slurry Vol. 110 Tubing ---  
 Casing Depth 3232.7' 6L Hole Size 7 7/8" Slurry Wt. 12.8# + 13.7# Drill Pipe ---  
 Casing Size & Wt. 5 1/2" @ 15.50# Cement Left in Casing 0 Water Gal/SK 7.6 + 9.0 Other ---  
 Displacement 79 3/4 Bbl Displacement PSI 850 Bump Plug to 1350 BPM Displace @ 5BPM

Remarks: Safety meeting, Rig up to 5 1/2" casing w/ packer shoe set @ 3232.7 6L. Packer shoe set w/ 1750 psi. Pump 5 Bbl Ahead, 12 Bbl Caustic Soda pre Flush, 10 Bbl H2O spacer. mixed 200 SKS 60/40 pozmix cement w/ 6% gel & 2 # phenoseal/sk @ 12.8 #/gal as our lead cement. Tailed in with 175 SKS Thickset cement w/ 5 # Kol-seal/sk & 2 # phenoseal/sk @ 13.7 #/gal. Shut down wash out pump & lines, & displace with 79 3/4 Bbl. final pumping pressure of 850 psi, bumped plug to 1350 psi. Had some circulation while displacing. Did not circulate any from 25 Bbl into our displacement. Plug held good. rig down job complete.

*Thanks Shannon & crew*

Centralizers on # 5, 12, 14, 17, 22, 24, 32, 36, 43, 55 Basket on # 10, 29, 38, 47

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C102	1	Pump Charge	1050.00	1050.00
C107	70	Mileage	3.95	276.50
C203	200 SKS	60/40 Pozmix Cement	12.75	2550.00
C206	1032 #	6el @ 6%	.20	206.40
C208	400 #	phenoseal @ 2 #/SK	1.25	500.00
C201	175 SKS	Thickset Cement	19.50	3412.50
C207	857 #	Kol seal @ 5 #/SK	.45	385.65
C208	350 #	phenoseal @ 2 #/SK	1.25	437.50
C217	100 #	Caustic Soda pre flush	1.60	160.00
C108B	18.2 Ton	Ton mileage bulk Trk	1.35	1719.90
C113	10 Hrs	80 Bbl Vac Trk	85.00	510.00
C224	3000 gal	city H2O	10.00/1000 gal	30.00
C752	1	5 1/2" Type "A" Packer Shoe	1400.00	1400.00
C404	1	5 1/2" Top Rubber plug	70.00	70.00
C604	4	5 1/2" cement baskets	225.00	900.00
C504	10	5 1/2" x 7 7/8" centralizers	48.00	480.00
C790	1	Thread Lock Kit	30.00	30.00
			Sub Total	14118.45
			Sales Tax 6.40%	675.97
			<b>Total</b>	<b>14794.42</b>

Authorization [Signature]

Title C. Feck

Total

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

810 E 7<sup>TH</sup>  
 PO Box 92  
 EUREKA, KS 67045  
 (620) 583-5561



**Cement or Acid Field Report**

Ticket No. **2065**

Foreman Shannon Feck

Camp Eureka

API # 15-035-24636

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
3-18-15	1136	Radcliff # 2-5	5	335	7E	Cowley	KS
Customer <u>Lawco Holding LLC</u>			Safety Meeting	Unit #	Driver	Unit #	Driver
Mailing Address <u>P.O. Box 425</u>			S.F	105	Dave G		
City <u>Bentonville</u>			A.G	112	Kevin M		
State <u>AR</u>			K.M				
Zip Code <u>72712</u>							

Job Type S/P Hole Depth 330' Slurry Vol. 45 Bbl Tubing \_\_\_\_\_  
 Casing Depth 315.70' G.L. Hole Size 12 1/4" Slurry Wt. 14.5-15 # Drill Pipe \_\_\_\_\_  
 Casing Size & Wt. 8 5/8" Cement Left in Casing 20' Water Gal/SK 6.40 Other \_\_\_\_\_  
 Displacement 19.6 Bbl Displacement PSI \_\_\_\_\_ Bump Plug to \_\_\_\_\_ BPM \_\_\_\_\_

Remarks: Safety meeting, Rig up to 8 5/8" casing, Break circulation w/ 5 Bbl H2O mixed 190 SKS class "A" cement w/ 3% calcium, 2% gel & 1/4 # Flo-seal/sk @ 14.5-15 #/gal. Displace w/ 19.6 Bbl H2O & shut casing in. Good cement returns 10 Bbl slurry to pit. Rig down job complete.

"Thank you Shannon & crew"

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C101	1	Pump Charge	840.00	840.00
C107	70	Mileage	3.95	276.50
C200	190 SKS	Class "A" cement	15.00	2850.00
C205	535 #	Calcium @ 3%	.60	321.00
C206	350 #	Gel @ 2%	.20	70.00
C209	47 #	Flo-seal @ 1/4 #/SK	2.25	105.75
C108B	8.93 Ton	Ton mileage bulk Trk	1.35	843.89
			Sub Total	5307.14
			Sales Tax 6.40%	214.19
Authorization <u>[Signature]</u> Title <u>Co. Rep.</u>			Total	5521.33

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