



1257305

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	Lawco Holdings, LLC
Well Name	Radcliff 2-4
Doc ID	1257305

All Electric Logs Run

Sonic Log
Composite Log
Litho Density
Dual Induction

Form	ACO1 - Well Completion
Operator	Lawco Holdings, LLC
Well Name	Radcliff 2-4
Doc ID	1257305

Tops

Name	Top	Datum
Pawhuska	940	1341
Stalnaker	1661	1341
Hog Shooter	2004	1341
Altamont	2436	1341
FortScott	2548	1341
Mississipian Chat	2862	1341
Meramecian	2892	1341
Woodford	3218	1341
Arbuckle	3224	1341



Hurricane Services, Inc.  
 104 Prairie Plaza Parkway  
 Garnett, KS 66032  
 Office # 785-448-3100  
 Toll Free # 855-718-8027



Ticket No 50571  
 Location \_\_\_\_\_  
 Foreman Dwayne / Joe

**Cement Service ticket**

Date <u>6/18/15</u>	Customer #	Well Name & Number <u>Rodeliff #24</u>	Sec./Township/Range <u>4/335/7E</u>	County <u>Cowley Co.</u>
Customer <u>Lawco Holdings LLC</u>	Mailing Address <u>PO Box 425</u>	City <u>Bentonville AR</u>	State <u>AR</u>	Zip <u>72712</u>

Job Type:

Job Type:			Truck #	Driver
<u>Long String</u>	<u>Casing TD 32</u>		<u>231</u>	<u>TOM</u>
Hole Size: <u>7 7/8</u>	Casing Size: <u>5 1/2</u>	Displacement: <u>76.88</u>	<u>240</u>	<u>AMOS</u>
Hole Depth:	Casing Weight: <u>15.5</u>	Displacement PSI:	<u>242</u>	<u>TRAY</u>
Bridge Plug:	Tubing:	Cement Left in Casing:	<u>25</u>	<u>Dwayne</u>
Packer:	PBTD:		<u>26</u>	<u>JOE</u>

Quantity Or Units	Description of Services or Product	Pump charge	950
70	Mileage Heavy Equip	\$3.25/Mile	227.50
70	Light Equip	1.50	105.00
150 SK	60/40 Prod mix	12.00 SK	1800.00
750 lbs	Prem Gel 680		
300 Lb	Pheno Seal 2# Per SK		
175 SK	Thickset cement	18.60	3255.00
850 Lb	Kol Seal 5# Per SK	.55	467.50
300 Lb	Pheno Seal 2# Per SK	1.70	510.00
1	5 1/2 Float Shoe		200.00
8	5 1/2 centralizers	80.00	640.00
100 Lb	Caustic Soda mix with 12 BBL water		169.00
3 Gal	KCL For Pumping the Plug	27.13 gal	81.39
17 Tons	Bulk Truck 2 Trucks at 20 miles	\$130/Mile	1542.00
1	Plugs 5 1/2 Latch Down Plug and BFFC		332.50
		Subtotal	11044.89
		Sales Tax 6.4%	514.96
		Estimated Total	11559.85

Remarks: Hooked onto well and Pump 20 BBL Prod. Followed By 12 BBL Mud Flush Followed By 10 BBL water spacer. Then Start cement Pump 150 Sacks of 60/40 Like Followed By 175 Sacks of Thickset cement. Stop and Flush Pump then Pump Plug to Bottom and Set Float Shoe Release PSI and Flush Pump

Location 10:30 PM  
  
 Customer Signature

Hurricane Services, Inc.  
 3613 A Y Road  
 Madison, KS 66860  
 Office # 620-437-2661  
 Brad Cell # 620-437-6765



HURRICANE SERVICES INC  
 OILFIELD SERVICES  
 MADISON, KANSAS

Ticket Number 100572  
 Location Madison  
 Foreman Brad Butler

**Cement Service ticket**

Date	Customer #	Well Name & Number	Sec./Township/Range	County
6-12-15		Radcliff #2-4	4-33s-7E	Cowley
Customer <u>Lawco Holdings, LLC</u>		Mailing Address <u>P.O. Box 425</u>	City <u>Bentonville.</u>	State <u>AR</u>
			Zip <u>72712</u>	

Job Type:	Truck #	Driver
<u>Surface Pipe</u>	<u>201</u>	<u>Jerry Bryan</u>
Hole Size: <u>12 1/4"</u>	Casing Size: <u>8 5/8"</u>	Displacement: <u>19 Bbls</u>
Hole Depth: <u>32</u>	Casing Weight: <u>23 lb.</u>	Displacement PSI: <u>300</u>
Bridge Plug:	<del>315'</del> <u>315', 15.14'</u>	Cement Left in Casing: <u>25'</u>
Packer:	PBTD:	<u>on location @ 2:30pm</u>
		<u>START Job @</u>

Quantity Or Units	Description of Services or Product	Pump charge	
<u>70</u>	<u>Mileage &gt; 105 miles from Madison, Ks</u>	<u>\$3.25/Mile</u>	<u>790.00</u> <u>227.50</u>
<u>175 SACKS</u>	<u>Regular cement</u>	<u>14.85</u>	<u>2598.75</u>
<u>500 lbs.</u>	<u>CACl2 3%</u>	<u>.75</u>	<u>375.00</u>
<u>50 lbs.</u>	<u>Floccs</u>	<u>2.15</u>	<u>107.50</u>
<u>8.23 Tons</u>	<u>Bulk Truck @ 70 miles</u>	<u>1.30</u>	<u>748.93</u>
<u>70</u>	<u>P.U. mileage</u>	<u>1.50</u>	<u>105.00</u>
	<u>Plugs</u>		
		Subtotal	<u>4952.68</u>
		Sales Tax <u>6.42</u>	<u>199.20</u>
		Estimated Total	<u>5149.88</u>

Remarks: Rig up to 8 5/8" casing, Break circulation with fresh water.  
Mixed 175 SXS Regular cement w/ 3% CACl2 and Floccs. Displaced cement with 19 Bbls.  
water. shut down - close casing w/ with good cement returns with 7 1/2 Bbl. slurry

Job complete - Teardown

"Thank you"

Customer Signature