

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
June 2009  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 30458  
Name: RJM Company Inc.  
Address 1: PO Box 256  
Address 2: \_\_\_\_\_  
City: Clafin State: KS Zip: 67525 + 0256  
Contact Person: Chris Hoffman  
Phone: ( 620 ) 786-8744  
CONTRACTOR: License # 33905  
Name: Royal Drilling Inc.  
Wellsite Geologist: Jim Musgrove  
Purchaser: Coffeyville

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  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_  
5-7-2012    5-12-2012    5-18-2012  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 009-25690-00-00  
Spot Description: \_\_\_\_\_  
E2 NE NW NE Sec. 3 Twp. 18 S. R. 13  East  West  
330 Feet from  North /  South Line of Section  
1,600 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Barton  
Lease Name: Ludwig Well #: 1  
Field Name: McCauley  
Producing Formation: Arbuckle  
Elevation: Ground: 1812 Kelly Bushing: 1817  
Total Depth: 3316 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 324' 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: 81000 ppm Fluid volume: 600 bbls  
Dewatering method used: Allow to dry and backfill  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

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INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.  
Signature: Lawrence B. Miller  
Title: President Date: 6-25-2012

KCC Office Use ONLY  
 Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: DJG Date: 7/5/12

Operator Name: RJM Company Inc. Lease Name: Ludwig Well #: 1  
 Sec. 3 Twp. 18 S. R. 13  East  West County: Barton

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Toronto</td> <td>-1175</td> <td>KB</td> </tr> <tr> <td>Lansing</td> <td>-1261</td> <td>KB</td> </tr> <tr> <td>Arbuckle</td> <td>-1491</td> <td>KB</td> </tr> </table>	Name	Top	Datum	Toronto	-1175	KB	Lansing	-1261	KB	Arbuckle	-1491	KB
Name	Top	Datum											
Toronto	-1175	KB											
Lansing	-1261	KB											
Arbuckle	-1491	KB											

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
Surface	12.25	8.625	20#	324'	Common	180	3% cc, 2% gel
Production	7.875	5.5	15.5#	3313'	Common	180	10% salt, 3% Gil

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				

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: <u>2 7/8</u>	Set At: <u>3300</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>RECEIVED</b> <b>JUL 02 2012</b> <b>KCC WICHITA</b>
Date of First, Resumed Production, SWD or ENHR. <u>5-25-2012</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls. <u>40</u>	Gas Mcf <u>0</u>	Water Bbls. <u>20</u>	Gas-Oil Ratio	Gravity <u>40</u>

DISPOSITION OF GAS: <input checked="" type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input checked="" type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 409

Date	5-7-12	Sec.	3	Twp.	18	Range	13	County	Barton	State	Ks	On Location		Finish	10:30 PM
Lease	Ludwig		Well No.	1		Location Hoisington, Ks - 1 1/2 E, 5/1 into									
Contractor	Royal #1							Owner							
Type Job	Surface							To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	12 1/4"		T.D.	324'											
Csg.	8 5/8"		Depth	324'											
Tbg. Size								Charge To RSM Company							
Tool								Street							
Cement Left in Csg.	15'		Shoe Joint	15'											
Meas Line								Displace 19 1/2 BLS							
EQUIPMENT								2 1/2 Gal							
Pumptrk	9	No.	Cementor	Matt											
			Helper												
Bulktrk	10	No.	Driver	Brian											
			Driver												
Bulktrk	10	No.	Driver	Rick											
			Driver												
JOB SERVICES & REMARKS								Calcium							
Remarks:	Ludwig #1							Hulls							
Rat Hole								Salt							
Mouse Hole								Flowseal							
Centralizers								Kol-Seal							
Baskets								Mud CLR 48							
D/V or Port Collar								CFL-117 or CD110 CAF 38							
Cement did Circulate.								Sand							
								Handling							
								Mileage							
								FLOAT EQUIPMENT							
								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge							
								Mileage							
								Tax							
								Discount							
								Total Charge							
Signature								Doug Budig							

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# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 956

Date	Sec.	Twp.	Range	County	State	On Location	Finish
5-12-12				Barton	Kansas		
Lease <i>Ludwig</i>	Well No. <i>1</i>		Location <i>Holsington 1 1/2 E Simb</i>				
Contractor <i>Royal Drilling Rig 1</i>	Owner			To Quality Oilwell Cementing, Inc.			
Type Job <i>Longstring</i>	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.						
Hole Size <i>7 1/2</i>	T.D. <i>3314</i>						
Csg. <i>5 1/2 15 500L</i>	Depth <i>3312</i>	Charge To <i>RJM</i>					
Tbg. Size	Depth	Street					
Tool	Depth	City State					
Cement Left in Csg. <i>19.85</i>	Shoe Joint <i>19.55</i>	The above was done to satisfaction and supervision of owner agent or contractor.					
Meas Line	Displace <i>78 1/2 (36)</i>	Cement Amount Ordered <i>180 Cimona 100 Salt</i>					
EQUIPMENT				<i>50 Leiscrite 500 Mud CLR 48</i>			
Pumptrk <i>15</i>	No. Cementer <i>Steve</i>	Common <i>180</i>					
Bulktrk <i>14</i>	No. Driver <i>Cisco</i>	Poz. Mix					
Bulktrk	No. Driver <i>Nick</i>	Gel.					
JOB SERVICES & REMARKS				Calcium			
Remarks:				Hulls			
Rat Hole <i>3050</i>				Salt <i>16</i>			
Mouse Hole <i>2150</i>				Flowseal			
Centralizers <i>1-9</i>				Kol-Seal <i>900A</i>			
Baskets <i>2 36</i>				Mud CLR 48 <i>500 gal</i>			
DN or Port Collar				CFL-117 or CD110 CAF 38			
<i>Land plug @ psi</i>				Sand			
				Handling <i>205</i>			
				Mileage			
FLOAT EQUIPMENT							
<i>Float Held</i>				Guide Shoe <i>1</i>			
				Centralizer <i>9 Turbos</i>			
				Baskets <i>2</i>			
				AFU Inserts <i>1</i>			
				Float Shoe <i>1</i>			
				Latch Down <i>1</i>			
				Rotating Head			
<i>Thank you</i>				Pumptrk Charge <i>prod Long Steve</i>			
				Mileage <i>14</i>			
X Signature <i>Long Buddy</i>				Tax			
				Discount			
				Total Charge			

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Tax

Discount

Total Charge