

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

10/31/09

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 34102  
Name: JayHawk Energy, Inc.  
Address: P.O. Box 191  
City/State/Zip: Girard, KS 66743  
Purchaser: Evaluating Well Potential  
Operator Contact Person: Tony Anderson  
Phone: (620) 724-7040  
Contractor: Name: McPherson Drilling  
License: 5675  
Wellsite Geologist: Tony Anderson

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Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, 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./SWD  
 Plug Back  Plug Back Total Depth  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)  Docket No. \_\_\_\_\_  
07/23/08      07/24/08      07/24/08  
Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date           Recompletion Date

API No. 15 - 037-22055-0000  
County: Crawford  
\_\_\_\_\_ NW NE Sec. 13 Twp. 28 S. R. 23  East  West  
600' feet from N (circle one) Line of Section  
1980' feet from E (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Herlocker Well #: 13-2  
Field Name: Wildcat  
Producing Formation: Riverton Coal  
Elevation: Ground: 1002' Kelly Bushing: No  
Total Depth: 650' Plug Back Total Depth: 635'  
Amount of Surface Pipe Set and Cemented at 20.4 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 635'  
feet depth to surface w/ 99 sx cmt.

Drilling Fluid Management Plan APP II NH 1-7-09  
(Data must be collected from the Reserve Pit)  
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used Air Drilled  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, 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.

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: X Tony Anderson  
Title: General Manager Date: 10/31/08

Subscribed and sworn to before me this 31<sup>st</sup> day of October, 2008.

Notary Public: Lisa Parsons  
Date Commission Expires: \_\_\_\_\_  
LISA L. PARSONS  
Notary Public - State of Kansas  
My Appt. Expires 10-8-12

KCC Office Use ONLY  
 Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
RECEIVED  
KANSAS CORPORATION COMMISSION  
NOV 03 2008

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: JayHawk Energy, Inc. Lease Name: Herlocker Well #: 13-2  
 Sec. 13 Twp. 28 S. R. 23  East  West County: Crawford

**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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets)  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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy)  List All E. Logs Run <i>Following logs received:</i> Gamma Ray Neutron; Dual Induction; Hi-Resolution Density; Differential Temp. Copies of all of the above logs have been given to the KGS for a Crawford County Study they are conducting.	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%;"> <tr> <td style="width:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Summit Coal</td> <td>144', 149'</td> <td></td> </tr> <tr> <td>Mulky Coal</td> <td>155', 160'</td> <td></td> </tr> <tr> <td>Riverton Coal</td> <td>550', 552'</td> <td></td> </tr> <tr> <td>Shale</td> <td>552', 558'</td> <td></td> </tr> <tr> <td>Miss.</td> <td>558', 650' (TD)</td> <td></td> </tr> </table>	Name	Top	Datum	Summit Coal	144', 149'		Mulky Coal	155', 160'		Riverton Coal	550', 552'		Shale	552', 558'		Miss.	558', 650' (TD)	
Name	Top	Datum																	
Summit Coal	144', 149'																		
Mulky Coal	155', 160'																		
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Miss.	558', 650' (TD)																		

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*[Handwritten signature]*

CASING RECORD <input checked="" 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	11"	8&5/8"	17#	20.4'	Connon	3	
Production	6&3/4"	4&1/2"	9.5#	635'	50/50 poz	99	2% gel

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 (Amount and Kind of Material Used)	Depth
13 shots	558' - 561'	5 tonne x 20/40 mesh nitrofiged csg hydraulic frac.	558' - 561'
9 shots	549' - 551'	15% HCl x 100 gal spearhead.	549' - 551'

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TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	1"	545'		
Date of First, Resumerd Production, SWD or Enhr.		Producing Method		
Evaluating Well Potential		<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
		Unknown	Unknown	

Disposition of Gas  Vented  Sold  Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION

Production Interval  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

McPherson Drilling LLC Drillers Log

<b>Rig Number:</b> MCPH	<b>S. 13</b>	<b>T. 28</b>	<b>R. 23E</b>
<b>API No.</b> 15- 037-22055	<b>County:</b> CRWFD		
<b>Elev.</b>	<b>Location:</b> NW NE		

<b>Operator:</b> JAYHAWK ENERGY, INC.			
<b>Address:</b> P.O. BOX 191 GIRARD KS 66743			
<b>Well No:</b> 13-2	<b>Lease Name:</b> HERLOCKER		
<b>Footage Location:</b> 600 ft. from the NORTH Line			
1980 ft. from the EAST Line			
<b>Drilling Contractor:</b> McPherson Drilling LLC			
<b>Spud date:</b> .07/23/2008	<b>Geologist:</b>		
<b>Date Completed:</b> .07/24/2008	<b>Total Depth:</b> 650		

<b>Gas Tests:</b>
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<b>Comments:</b> Start injecting @

Casing Record			Rig Time:	
	Surface	Production		
<b>Size Hole:</b>	11"	6 3/4"		
<b>Size Casing:</b>	8 5/8"			
<b>Weight:</b>	17#			
<b>Setting Depth:</b>	20.4'			
<b>Type Cement:</b>	Connon		<b>DRILLER:</b>	MCPHERSON DRILLING
<b>Sacks:</b>	3			

Well Log									
Formation	Top	Btm.	Formation	Top	Btm.	Formation	Top	Btm.	
clay	1	8	shale	160	261	shale	453	456	
shale	8	27	coal	261	263	shale sand	456	460	
lime	27	38	shale	263	266	shale	460	495	
shale	38	43	lime	266	270	coal	495	496	
lime	43	50	shale	270	272	shale	496	498	
shale	50	56	coal	272	273	coal	498	499	
lime	56	58	shale	273	297	shale	499	513	
shale	58	72	coal	297	299	coal	513	514	
lime	72	73	shale	299	316	shale	514	550	
shale	73	87	coal	316	317	coal	550	552	
coal	87	88	shale	317	337	shale	552	558	
shale	88	108	coal	337	338	Mississippi lime	558	650	
coal	108	109	shale	338	397				
shale	109	119	coal	397	398				
coal	119	120	shale	398	413				
lime	120	131	coal	413	414				
shale	131	133	shale	414	436				
lime	133	144	coal	436	437				
shale	144	148	shale	437	438				
coal	148	149	sand	438	440				
shale	149	152	shale	440	444				
lime	152	156	coal	444	445				
shale	156	158	shale	445	452				
coal	158	160	coal	452	453				

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CONSOLIDATED OIL WELL SERVICES, LLC  
 P.O. BOX 884, CHANUTE, KS 66720  
 620-431-9210 OR 800-467-8676

COPY

TICKET NUMBER 16278  
 LOCATION Ottawa KS  
 FOREMAN Fred Mader

TREATMENT REPORT & FIELD TICKET  
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7/26/08	5337	Hexlocker # 13-2	13	28	23	CR

  

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
McPherson Drilling MAILING ADDRESS P.O. Box 97 CITY Sycamore STATE KS ZIP CODE 67363	506	Fred		KCC
	495	Brett		
	370	Gerid		
	510	Brian		

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JOB TYPE Long string HOLE SIZE 6 7/8 HOLE DEPTH 650' CASING SIZE & WEIGHT 4 1/2"  
 CASING DEPTH 635' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 4 1/2 Ply  
 DISPLACEMENT 10 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 5 BPM

REMARKS: Establish circulation. Mix + Pump 100# Premium Gel  
Flush. Mix + Pump 5 BBL Talltale dye Mix + Pump 99 sks  
50/50 Por Mix Cement 2 1/2 Gal. Flush pump + lines clean.  
Displace 4 1/2" Rubber plug to casing TD w/ 10. BBL Fresh  
water. Pressure to 650 #PSI. Release pressure to set  
float valves. Check plug depth w/wireline.

*Fred Mader*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1 well @ 2	PUMP CHARGE Cement Pump	495	925 <sup>00</sup>
5406	100 mi	MILEAGE Pump Truck	495	365 <sup>00</sup>
5407A	4.158 Ton	Ton Mileage.	510	498 <sup>96</sup>
5502C	3 hrs	80 BBL Vac Truck	370	300 <sup>00</sup>
1124	97 sks	50/50 Por Mix Cement		945 <sup>75</sup>
1118B	267 #	Premium Gel		45 <sup>39</sup>
4404	1	4 1/2" Rubber plug		45 <sup>00</sup>
		Sub Total		3125 <sup>10</sup>
		Tax @ 6.3%		65.28
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		SALES TAX ESTIMATED TOTAL		3190 <sup>38</sup>

AUTHORIZATION Mac McPherson by phone TITLE 224148

DATE \_\_\_\_\_