

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

logs rec'd 11/3/08 < \*AB logs rec'd w/ ACO1 ORIGINAL

10/02/09

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

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. \_\_\_\_\_

07/24/08	07/25/08	07/25/08
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 037-22060-0000  
County: Crawford  
W/2 - W/2 - SW Sec. 11 Twp. 28 S. R. 23  East  West  
1330 feet from S / N (circle one) Line of Section  
330 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Dean Davied Well #: 11-6  
Field Name: Wildcat

Producing Formation: Riverton Coal  
Elevation: Ground: 1025' Kelly Bushing: \_\_\_\_\_  
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 Alt II NH 12/16/08  
(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: [Signature]  
Title: Vice-President Date: Oct 1/08

Subscribed and sworn to before me this 1 day of October, 2008.

Notary Public: [Signature]  
Date Commission Expires: 3-31-2012

**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
RECEIVED  
KANSAS CORPORATION COMMISSION  
OCT 06 2008

NOTARY PUBLIC  
TAMMIE SOUTHWARD  
STATE OF KANSAS  
3-31-2012

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: JayHawk Energy, Inc. Lease Name: Dean Davied Well #: 11-6  
 Sec. 11 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:  Gamma Ray Neutron; Dual Induction; Hi-Resolution Density; Differential Temp. Copies of all of the above logs have been given to 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:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Mulky Coal</td> <td>174', 175'</td> <td></td> </tr> <tr> <td>Riverton Coal</td> <td>603', 605'</td> <td></td> </tr> <tr> <td>Shale</td> <td>605', 610'</td> <td></td> </tr> <tr> <td>Miss.</td> <td>610', 650'</td> <td></td> </tr> </table>	Name	Top	Datum	Mulky Coal	174', 175'		Riverton Coal	603', 605'		Shale	605', 610'		Miss.	610', 650'	
Name	Top	Datum														
Mulky Coal	174', 175'															
Riverton Coal	603', 605'															
Shale	605', 610'															
Miss.	610', 650'															

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	100	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
25 shots	610' - 615'	5 tonne x 20/40 mesh nitrofig csg hydraulic frac.	610' - 615'
9 shots	604' - 606'	15% HCl x 100 gal spearhead.	604' - 606'

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TUBING RECORD	Size <u>1"</u> Set At <u>600'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <u>08-14-08</u>	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity
		<u>7</u>	<u>50</u> <u> </u> <u> </u>

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

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

McPherson Drilling LLC Drillers Log

Rig Number: <b>MCPH</b>	S. 11 T. 28 R. 23E
API No. 15- 037-22060 Elev.	County: <b>CRWFD</b> Location: <b>W/2 2/2 SW</b>

<b>Gas Tests:</b> 610 5# ON 1/4"
Comments: Start injecting @

Operator: <b>JAYHAWK ENERGY, INC.</b>
Address: <b>P.O. BOX 191</b> <b>GIRARD KS 66743</b>
Well No: <b>11-6</b> Lease Name: <b>DEAN DAVIED</b>
Footage Location: 1330 ft. from the <b>SOUTH</b> Line 330 ft. from the <b>WEST</b> Line
Drilling Contractor: <b>McPherson Drilling LLC</b>
Spud date: <b>.07/24/2008</b> Geologist:
Date Completed: <b>.07/25/2008</b> Total Depth: <b>650</b>

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

Well Log

Formation	Top	Btm.	Formation	Top	Btm.	Formation	Top	Btm.
clay	1	15	coal	338	339	shale	554	556
shale	15	78	shale	339	354	coal	556	558
lime	78	79	coal	354	355	shale	558	603
coal	79	80	shale	355	378	coal	603	605
shale	80	82	coal	378	379	shale	605	610
lime	82	116	shale	379	396	Mississippi lime	610	650
shale	116	129	sand	396	404			
lime	129	130	shale	404	416			
shale	130	174	coal	416	417			
coal	174	175	shale	417	430			
shale	175	181	lime	430	434			
lime	181	198	coal	434	435			
coal	198	201	shale	435	451			
shale	201	202	coal	451	452			
lime	202	212	shale	452	470			
shale	212	217	sand	470	475			
sand	217	232	shale	475	487			
shale	232	295	coal	487	488			
coal	295	298	shale	488	498			
shale	298	301	coal	498	499			
lime	301	305	shale	499	508			
shale	305	327	coal	508	509			
coal	327	328	shale	509	551			
shale	328	338	coal	551	554			

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

OPV

TICKET NUMBER 16279  
 LOCATION Ottawa KS  
 FOREMAN Fred Maden

TREATMENT REPORT & FIELD TICKET  
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7/26/08	5337	Dean David # 11-6	11	28	23	CR

  

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
Mo Pherson Drilling	506	Fred		
Mailing Address	495	Brett		
P.O. Box 97	370	Gerid		
CITY	510	Brian		
Sycamore				

JOB TYPE Long string HOLE SIZE 6 3/4 HOLE DEPTH 650 CASING SIZE & WEIGHT 4 1/2  
 CASING DEPTH 6350 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 4 1/2 Plug  
 DISPLACEMENT 10 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 5BPM

REMARKS: Establish circulation. Mix + Pump 100# Premium Gel  
 Flush. Mix + Pump 5 BBL Teletale dye. Mix + Pump  
 99 GKS 50/50 Poz Mix Cement w/ 2% Gel. Flush pump  
 4 times clean. Displace 4 1/2" Rubber plug to casing  
 TD w/ 10 BALS fresh water. Pressure to 600 #PSI  
 Release pressure to set float valve. check Plug depth  
 w/wireline.  
 Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1 well @ 2	PUMP CHARGE Cement Pump 495		925.00
5406	100 mi	MILEAGE Truck on lease 495		N/C
5407A	4.158 Ton	Ton Mileage 510		498.96
5502C	3 hrs	80 BBL Vac Truck 370		300.00
1124	97 SKS	50/50 Poz Mix Cement		945.75
1115B	267 #	Premium Gel		45.37
4404	1	4 1/2" Rubber Plug.		4.50
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		Sub Total	KGC	2760.18
		Tax @ 6.3%		65.28
				SALES TAX
				ESTIMATE
				TOTAL 2825.38

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AUTHORIZATION Mac McPherson by Phone TITLE 224149 DATE \_\_\_\_\_