

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33233  
Name: Heartland Oil & Gas Corporation  
Address: 1610 Industrial Park Dr.  
City/State/Zip: Paola, KS 66071  
Purchaser: \_\_\_\_\_  
Operator Contact Person: James Harmon  
Phone: (913) 294-1400  
Contractor: Name: Aztec Well Services, Inc.  
License: 33972

Wellsite Geologist: \_\_\_\_\_  
Designate Type of Completion:  
 New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover  
\_\_\_\_\_ Oil \_\_\_\_\_ SWD \_\_\_\_\_ SIOW \_\_\_\_\_ 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. \_\_\_\_\_  
10-2-07 10-3-07  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 121-28506-0000  
County: Miami  
NE NE SW Sec. 06 Twp. 18 S. R. 24  East  West  
2237 feet from S N (circle one) Line of Section  
2270 feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Clausen Well #: 23-6  
Field Name: Lancaster  
Producing Formation: Coal/Shale  
Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_  
Total Depth: 600' Plug Back Total Depth: 588'  
Amount of Surface Pipe Set and Cemented at 20 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 588'  
feet depth to surface w/ 91 sx cmt.

Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit) *ALT II WITHIN 2-B-08*  
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite:  
Operator Name: Heartland Oil & Gas Corporation  
Lease Name: Clausen 23-6 License No.: 33233  
Quarter SW Sec. 06 Twp. 18 S. R. 24  East  West  
County: Miami Docket No.: D28279

**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: James A. Harmon  
Title: Area Superintendent Date: 1-21-08  
Subscribed and sworn to before me this 22<sup>nd</sup> day of January,  
20 08.  
Notary Public: Betsy Hedges  
Date Commission Expires: 11-15-08



**KCC Office Use ONLY**

N Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_ **RECEIVED**  
 Wireline Log Received **KANSAS CORPORATION COMMISSION**  
\_\_\_\_\_ Geologist Report Received **JAN 24 2008**  
\_\_\_\_\_ UIC Distribution  
CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Heartland Oil & Gas Corporation Lease Name: Clausen Well #: 23-6  
 Sec. 06 Twp. 18 S. R. 24  East  West County: Miami

**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 <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" 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 <i>(Submit Copy)</i>  List All E. Logs Run:  <b>Dual Induction                  Compensated Neutron/SSD</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input 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>Mulberry Coal</td> <td>332-36</td> <td></td> </tr> <tr> <td>Lexington Coal</td> <td>369-76</td> <td></td> </tr> </table>	Name	Top	Datum	Mulberry Coal	332-36		Lexington Coal	369-76	
Name	Top	Datum								
Mulberry Coal	332-36									
Lexington Coal	369-76									

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 1/2"	8 5/8"	24	20'	Portland	7	
Production	7 7/8"	5 1/2"	15.5	588'	OWC	91	10# kol-seal

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	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method <input 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

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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify)	Production Interval
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**RECEIVED**  
**KANSAS CORPORATION COMMISSION**  
**JAN 24 2008**  
 CONSERVATION DIVISION  
 WICHITA, KS

CONSOLIDATED OIL WELL SERVICES, INC. *ll*  
P.O. BOX 886, CHANUTE, KS 66720  
820-431-8210 OR 800-467-8676



TICKET NUMBER 15701  
LOCATION Attawa, KS  
FOREMAN Fred Maden

TREATMENT REPORT & FIELD TICKET  
CEMENT

P.O. # 123-4C

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10/3/07	1099	Clansen #23-6	6	18	24	MI

CUSTOMER Aztec Well Service  
MAILING ADDRESS  
106 S. Main  
CITY Spring Hill STATE KS ZIP CODE 66083

TRUCK #	DRIVER	TRUCK #	DRIVER
506	Fred	RECEIVED	
495	Casey	OCT 11 2007	
226	Richard		
505/706	Ken	BY <u>[Signature]</u>	

JOB TYPE Long string HOLE SIZE 2 7/8 HOLE DEPTH 600' CASING SIZE & WEIGHT 5 1/2  
CASING DEPTH 588' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 5 1/2 Plug  
DISPLACEMENT 14.34 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 6 BPM

REMARKS: Check casing depth w/ wireline. Mix & Pump 21 BBL  
Flush w/ 1 Gal ESA-41 (soap) Mix & Pump 91 sks  
OWC Cement w/ Biocide Treated Water. Flush pump  
+ lining clean. Displace 5 1/2" Rubber Plug to casing  
ID w/ 14.34 BBL KCL Treated 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	PUMP CHARGE Cement Pump	475	840.00
5406	40 mi	MILEAGE Pump Truck	495	132.00
5407	Minimum	Ton Mileage	226	285.00
5501C	3	Transport	505	300.00
1126	82 sks	OWC Cement		1262.00
1110A	910'	Kol Seal		345.00
1140	1/2 Gal	Superswack		13.33
1142	1 Gal	KCL Substitute		26.00
1143	1 Gal	ESA-41 (soap)		36.45
4406	1	5 1/2" Rubber Plug		56.00
4158	1	5 1/2" Flapper Float Shoe.		260.00
		Sub Total		3556.99
		Tax @ 6.55%		130.95

AUTHORIZATION [Signature] TITLE Watt 217067 DATE 10/11/07  
SALES TAX ESTIMATED TOTAL 3687.93

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WICHITA, KS