

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**COPY**

Form ACO-1  
September 1999  
Form Must Be Typed

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Operator: License # 33233  
Name: Heartland Oil and Gas, Inc.  
Address: c/o BAM Energy, Inc. 6286 East Long Circle North  
City/State/Zip: Englewood, Colorado 80112  
Purchaser: none  
Operator Contact Person: Bill Hayworth  
Phone: (303) 221-4768  
Contractor: Name: Gulick Drilling, Inc.  
License: 32854  
Wellsite Geologist: Chris Ryan - Atoka Coal Labs  
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. \_\_\_\_\_  
6/22/04 6/28/04 7/23/04  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 085-20076  
County: Jackson  
SW NW Sec. 14 Twp. 5 S. R. 15 ☒ East ☐ West  
KCC 2780 2817 feet from (S) (circle one) Line of Section  
710 4548 feet from (E) (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Atwater Farms Well #: 5-14  
Field Name: wildcat  
Producing Formation: SWD - Arbuckle  
Elevation: Ground: 1079' Kelly Bushing: 1087'  
Total Depth: 3636' Plug Back Total Depth: open hole  
Amount of Surface Pipe Set and Cemented at 237.3 Feet  
Multiple Stage Cementing Collar Used? ☒ Yes ☐ No  
If yes, show depth set 2409 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 \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ **RECEIVED**  
Dewatering method used evaporation **KANSAS CORPORATION COMMISSION**

Location of fluid disposal if hauled offsite: **SEP 29 2004**

Operator Name: \_\_\_\_\_ **CONSERVATION DIVISION**  
Lease Name: \_\_\_\_\_ License No.: WICHITA, KS  
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: W. Hayworth  
Title: Consulting Engineer Date: 9/20/04  
Subscribed and sworn to before me this 20th day of September  
2004  
Notary Public: Diane Canall  
Date Commission Expires: \_\_\_\_\_

**KCC Office Use ONLY**

Letter of Confidentiality Received

If Denied, Yes ☐ Date: \_\_\_\_\_

Wireline Log Received

Geologist Report Received

UIC Distribution

Operator Name: Heartland Oil and Gas, Inc. Lease Name: Atwater Farms Well #: 5-14  
 Sec. 14 Twp. 5 S. R. 15 ☒ East ☐ West County: Jackson

**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 ☐ Yes ☒ No  
 (Attach Additional Sheets)

Samples Sent to Geological Survey ☒ Yes ☐ No

Cores Taken ☐ Yes ☒ No

Electric Log Run ☒ Yes ☐ No  
 (Submit Copy)

List All E. Logs Run:

Dual Induction, Sonic,  
 Dual Compensated Porosity, Microresistivity

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Cherokee	1585'	
Mississippian	2322'	
Hunton	2708'	
Arbuckle	3494'	

RECEIVED  
 KANSAS CORPORATION COMMISSION

SEP 29 2004

Geological Report Enclosed

CONSERVATION DIVISION  
 WICHITA, KS

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	12 1/4"	8 5/8"	23#	237.3'	Class A	120	2% gel, 3% CaCl
Production	7 7/8"	5 1/2"	15.5#	3521.56'	Class A	330	6% gypsum, 2% gel, 2% CaCl

#### ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ 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
	Open hole from 3521.56' - 3636'	59 bbls 15% HCL	open hole
			3521'-
			3636'

TUBING RECORD			Size 2 7/8"	Set At 3478'	Packer At 3478'	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Date of First, Resumerd Production, SWD or Enhr. 9/01/04 SWD				Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain)				
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio unknown	Gravity unknown

Disposition of Gas

METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☐ Used on Lease  
 (If vented, Submit ACO-18.)

☒ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled  
☐ Other (Specify) \_\_\_\_\_