

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

*Am*

**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. \_\_\_\_\_  
5/15/04 5/24/04 7/19/04  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 131-20190-00-00  
County: Nemaha  
NE NE NW Sec. 14 Twp. 4 S. R. 14  East  West  
330 feet from S N (circle one) Line of Section  
2970 feet from E (circle one) W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: McClain Well #: 3-14  
Field Name: wildcat  
Producing Formation: SWD - Arbuckle  
Elevation: Ground: 1252' Kelly Bushing: 1260'  
Total Depth: 4090' Plug Back Total Depth: open hole  
Amount of Surface Pipe Set and Cemented at 281.4 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 2678.7 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 \_\_\_\_\_ bbls  
Dewatering method used evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

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KANSAS CORPORATION COMMISSION  
SEP 29 2004  
CONSERVATION DIVISION  
Nemaha, West

**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. J. Hayworth  
Title: Consulting Engineer Date: 9/20/04  
Subscribed and sworn to before me this 20 day of September  
20  
Notary Public: Diane Carroll  
Date Commission Expires: \_\_\_\_\_

**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

56268

Side Two

Operator Name: Heartland Oil and Gas, Inc. Lease Name: McClain Well #: 3-14  
 Sec. 14 Twp. 4 S. R. 14  East  West County: Nemaha

**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	1850'	
Mississippian	2678'	
Hunton	3065'	
Viola	3668'	
Arbuckle	3948'	

Geological Report Enclosed

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SEP 29 2004

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							CONSERVATION DIVISION WICHITA, KS
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#	281.4'	Class A	130	2% gel, 3% CaCl
Production	7 7/8"	5 1/2"	15.5#	3965.2'	Class A	445	6% gypsum, 2% gel, 2% CaCl

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
	Open hole from 3965' - 4085'	60 bbls 15% HCL	open hole
			3965'-
			4085'

TUBING RECORD	Size 2 7/8"	Set At 3942'	Packer At 3942'	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enh.	Producing Method			
8/07/04 SWD	<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  Vented  Sold  Used on Lease *(If vented, Submit ACO-18.)*

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

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