

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

*Amended*

Form ACO-1  
September 1999  
Form Must Be Typed

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

**ORIGINAL**

Operator: License # 33233  
Name: Heartland Oil & 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  
Designate Type of Completion: **KCC WICHITA**  
 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. \_\_\_\_\_  
6/29/01                      7/7/01                      11/25/03  
Spud Date or                      Date Reached TD                      Completion Date or  
Recompletion Date                                                                Recompletion Date

**RECEIVED**  
**JAN 07 2004**  
**KCC WICHITA**

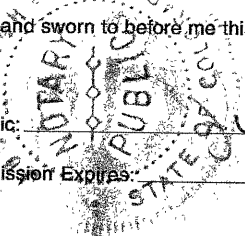
API No. 15 - 131-20172000  
County: Nemaha  
\_\_\_\_\_ SE SE Sec. 18 Twp. 5 S. R. 14  East  West  
\_\_\_\_\_ 710 feet from (S) N (circle one) Line of Section  
\_\_\_\_\_ 610 feet from (E) W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE (SE) NW SW  
Lease Name: Engelke Well #: 16-18  
Field Name: Wildcat  
Producing Formation: Cherokee  
Elevation: Ground: 1270' Kelly Bushing: 1275'  
Total Depth: 2660' Plug Back Total Depth: 2629'  
Amount of Surface Pipe Set and Cemented at 272 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ 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) *Part A KGR 6/11/07*  
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. \_\_\_\_\_  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: Consultant Date: 1/3/04  
Subscribed and sworn to before me this 3<sup>rd</sup> day of January  
20 04  
Notary Public: [Signature]  
Date Commission Expires: \_\_\_\_\_ my Commission Expires 03/22/2005



**KCC Office Use ONLY**  
*NO* Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
\_\_\_\_\_ Wireline Log Received  
\_\_\_\_\_ Geologist Report Received  
\_\_\_\_\_ UIC Distribution

✓

X

# ORIGINAL

Operator Name: Heartland Oil & Gas, Inc. Lease Name: Engelke Well #: 16-18  
 Sec. 18 Twp. 5 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)*

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Pleasanton	1696'	
Marmaton	1752'	
Cherokee	1880'	

List All E. Logs Run:

Temperature Log  
 BC Sonic  
 Microresistivity  
 Dual Comp. Porosity  
 Dual Induction Log

Geologic Log Enclosed

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KCC WICHITA

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	272'	60/40 POZ	250	6%Gel, 5%Salt, 1/4# Flocele
Production	7 7/8"	4 1/2"	10.5	2660'	Class A	175	3% CaCl, 1/4# Flocele

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	1832' -1841'	Class A	15	None

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
	4 spf	2301'- 2303', 2311'- 2313', 2315'- 2317'	1046 bbls fluid		
	2364'- 2366', 2406'- 2408', 2429' - 2431'	&69,325# sand		2431'	
8 spf	2378'- 2381'				

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8"	2405'	None	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method			
11/25/03		<input type="checkbox"/> Flowing <input checked="" 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
	0	0	115	Unknown	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 \_\_\_\_\_