

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 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. \_\_\_\_\_  
6/11/04 6/13/04 9/02/04  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 085-20070-0000  
County: Jackson  
SW NW Sec. 14 Twp. 5 S. R. 15  East  West  
*KCC 3450 3181* feet from (S) N (circle one) Line of Section  
*GPS 4946* feet from (E) (circle one) Line of Section  
*Foot KGR*  
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: Cherokee  
Elevation: Ground: 1082' Kelly Bushing: 1090'  
Total Depth: 2383' Plug Back Total Depth: 2313'  
Amount of Surface Pipe Set and Cemented at 235.3' 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** *P+A KGR 2-7-08*  
(Data must be collected from the Reserve Pit)  
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_  
Dewatering method used evaporation **RECEIVED**  
Location of fluid disposal if hauled offsite: SEP 29 2004  
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: Bill Hayworth  
Title: Consulting Engineer Date: 9/22/04  
Subscribed and sworn to before me this 20<sup>th</sup> day of September  
2004  
Notary Public: Diane Causal  
Date Commission Expires: \_\_\_\_\_

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

My Commission Expires 03/16/2005

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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  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 <i>(Submit Copy)</i>  List All E. Logs Run:  <b>Dual Induction, Dual Compensated Porosity,</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum  Cherokee 1592' Mississippian 2330'   <div style="text-align: right;"> <b>RECEIVED</b>                      KANSAS CORPORATION COMMISSION  <b>SEP 29 2004</b> </div>
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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#	235.3'	Class A	120	2% gel, 3% CaCl
Production	7 7/8"	5 1/2"	15.5#	2358'	Class A	180	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
4 spf	1978'-1980', 2018'-2020', 2030'-2032', 2054'-2056', 2073'-2075', 2099'-2101', 2026'-2027, 2154'-2156', 2160'-2162'	1600 gal 15% HCL 1161 bbls fluid w/ 62,813 # sand	1978' - 2162'

TUBING RECORD		Size <u>2 3/8"</u> Set At <u>2138'</u> Packer At <u>none</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <u>9/02/04</u>		Producing Method <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. <u>0</u>	Gas Mcf <u>0</u>	Water Bbls. <u>unknown</u> Gas-Oil Ratio <u>unknown</u> Gravity <u>unknown</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 \_\_\_\_\_

# CONSOLIDATED OIL WELL SERVICES

PO Box 103  
Eureka, Kansas 67045

Contracting Ticket  
and Invoice Number

N<sup>o</sup> 5594

Date 6-11-04	Customer Order No.	Sect. 14	Twp. SS	Range 15E	Truck Called Out	On Location	Job Began	Job Completed
Owner HEARTLAND OIL & GAS, INC.		Contractor Gulick Drilg. Rig 1			Charge To HEARTLAND OIL & GAS, INC.			
Mailing Address 6286 EAST LONG CIRCK NORTH		City Englewood			State Co. 80112			
Well No. & Form ATwater FARMS 5-14	Place	County JACKSON			State KANSAS			
Depth of Well 242'	Depth of Job 239'	Casing (New) Used	Size 8 5/8	Weight 23 #	Size of Hole Amt. and Kind of Cement 124 120 SKS	Cement Left in casing by ) Request Necessity 20' feet		
Kind of Job SURFACE CASING					Drillpipe	Rotary mud		
					Tubing	Cable Truck No. 445		

Price Reference No. 54015	Price of Job 525.00
Second Stage	
Mileage NIC	
Other Charges	
Total Charges 525.00	

Remarks Safety Meeting: Rig up to 8 5/8 casing. BREAK  
Circulation w/ 20 BBL Fresh water. Pump 8 BBL DYE  
water. Mixed 120 SKS Regular Cement w/ 3%  
CaCl2, 2% Gel, 1/4 # floccle per/sk @ 14.9 # per/gal  
(yield 1.35). Shut down. Release Plug. Displace w/  
14.0 BBL Fresh water. Shut casing in @ 200 PSI  
Good Cement Returns to SURFACE = 6 BBL SLURRY  
Job Complete @ 8:10 PM

Cementor Kevin McCoy

Helper Troy, Justin

District EUREKA

State Ks

The above job was done under supervision of the owner, operator, or his agent whose signature appears below.

Thank you

x Jay P R  
Agent of contractor or operator

### Sales Ticket for Materials Only

Quantity Sacks	BRAND AND TYPE	PRICE	TOTAL
120 SKS	REGULAR CLASS "A" Cement	1104 8.50	1020.00
7 SKS	CaCl2 3%	1102 34.00	238.00
2 SKS	Gel 2%	1118 11.80	23.60
1 1/2 SKS	Floccle 1/4 # per/sk	1107 37.75	56.62
RECEIVED KANSAS CORPORATION COMMISSION			
5 Mes	80 BBL VAC TRUCK 444	5502 C 75.00	375.00
SEP 29 2004 CONSERVATION DIVISION WICHITA, KS			
2	8 5/8 Centralizers	4132 40.00	80.00
1	8 5/8 wooden Plug	4432 46.50	46.50
Handling & Dumping			
Plugs	5407 Ton	Mileage	450.00
			Sub Total 2814.72
Delivered by Truck No. 439			Discount
Delivered from EUREKA			Sales Tax
Signature of operator <u>Kevin McCoy</u>			Total

# CONSOLIDATED OIL WELL SERVICES

PO Box 103  
Eureka, Kansas 67045

Counting Ticket  
and Invoice Number

N<sup>o</sup> 5595

Date 6-14-04	Customer Order No.	Sect. 14	Twp. 55	Range 15E	Truck Called Out	On Location	Job Began	Job Completed
Owner HEARTLAND OIL & GAS, INC.		Contractor GULICK DRIG.			Charge To HEARTLAND OIL & GAS, INC.			
Mailing Address 6286 EAST LONG CIRCLE NORTH		City Englewood			State Co. 80112			
Well No. & Form ATWAKE FARMS 5-14		Place JACKSON			State KANSAS			
Depth of Well 2383'	Depth of Job 2328'	Casing (New) Used	Size 5 1/2	Weight 15.50	Size of Hole Amt. and Kind 7 7/8 180 SKS	Cement Left in casing by	Request Necessity	45' feet
Kind of Job Longstring P.B.T.D. 2323'					Drillpipe	Rotary Cable	Mud Truck No.	445

Price Reference No. 5401  
Price of Job 675.00  
Second Stage \_\_\_\_\_  
Mileage N/C  
Other Charges \_\_\_\_\_  
Total Charges 675.00

Remarks Safety Meeting: Rig up to 5 1/2 casing. Break Circulation. Pump 20 bbl pre flush. 15 bbl fresh water spacer. Mixed 180 SKS O.W.C. (Class "A" Cement 6% CAL-SEAL, 2% GEL, 2% CALK) 1/4 # Flocele per/sk (yield 1.44) @ 14.4 # per/gal. Shut down. Wash out Pump & Lines. Release Plug. Displace w/ 55.3 bbl fresh water. FINAL Pumping Pressure 700 PSI. Bump Plug to 1100 PSI. Wait 2 minutes. Release Pressure. Float Held. SHUT CASING IN @ 0 PSI. Good Circulation AT ALL times while Cementing. Job Complete @ 3:15 AM

Cementor Kevin McCoy District EUREKA State Ks  
Helper Troy, Justin  
The above job was done under supervision of the owner, operator, or his agent whose signature appears below.  
Thank You Jay R Agent of contractor or operator

Sales Ticket for Materials Only

Quantity Sacks	BRAND AND TYPE		PRICE	TOTAL
180 SKS	O.W.C. (CLASS "A" Cement, 6% CAL-SEAL, 2% GEL, 2% CALK)	1126	11.30	2034.00
2 SKS	Flocele 1/4 # per/sk	1107	37.75	75.50
1 gal	Super Sweet Bacterials (in mixing water)	1205	22.50	22.50
6 gal	KCL Substitute (Displacement water)	1215	22.00	132.00
2 gal	Foamer (Pre flush)	1238	30.00	60.00
6 HRS	80 BBL VAC TRUCK 444 RECEIVED	5502C	75.00	450.00
3000 gals	City Water KANSAS CORPORATION COMMISSION	1123	11.25 Per 1000	33.75
SEP 29 2004				
1	5 1/2 Guide Shoe	4203	102.00	102.00
1	5 1/2 Float Collar CONSERVATION DIVISION WICHITA, KS	4178	215.00	215.00
16	5 1/2 x 7 7/8 Centralizers	4130	28.00	448.00
1	5 1/2 Top Rubber Plug	4406	40.00	40.00
Plugs	5407 Ten Mileage			450.00
	Delivered by Truck No. 439		Sub Total	4737.75
	Delivered from EUREKA		Discount	
	Signature of operator <u>Kevin McCoy</u>		Sales Tax	
			Total	