

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. \_\_\_\_\_  

<u>6/29/04</u>	<u>7/01/04</u>	<u>9/02/04</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 085-20072 -00 00  
 County: Jackson  
   NW SW SW Sec. 14 Twp. 5 S. R. 15  East  West  
810 feet from  N (circle one) Line of Section  
510 feet from E /  W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE NW  SW  
 Lease Name: Atwater Well #: 13-14  
 Field Name: wildcat  
 Producing Formation: Cherokee  
 Elevation: Ground: 1108' Kelly Bushing: 1116'  
 Total Depth: 2390' Plug Back Total Depth: 2323'  
 Amount of Surface Pipe Set and Cemented at 235.8' 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)* P+A KGR 2-6-08  
 Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
 Dewatering method used evaporation **RECEIVED**  
 KANSAS CORPORATION COMMISSION  
 Location of fluid disposal if hauled offsite: **SEP 29 2004**  
 Operator Name: \_\_\_\_\_  
 Lease Name: \_\_\_\_\_ License No. CONSERVATION DIVISION  
 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: 9/20/04  
 Subscribed and sworn to before me this 20 day of September  
04  
 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

My Commission Expires 03/16/2005

Operator Name: Heartland Oil and Gas, Inc. Lease Name: Atwater Well #: 13-14  
 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 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,                  Dual Compensated Porosity,</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum  Cherokee 1606' Mississippian 2342'  <b>Geological Report Enclosed</b>
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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#	235.8'	Class A	120	2% gel, 3% CaCl
Production	7 7/8"	5 1/2"	15.5#	2370.4'	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	1994'-1996', 2052'-2054', 2078'-2080', 2099'-2101'	1400 gal 15% HCL	1994' -
	2125'-2128', 2148'-2150', 2171'-2173', 2178'-2181'	1046 bbls fluid w/ 41,607 # sand	2181'

TUBING RECORD		Size <u>2 3/8"</u>	Set At <u>2187'</u>	Packer At <u>none</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CONSERVATION DIVISION WICHITA, KS
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.	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 \_\_\_\_\_

**RECEIVED**  
 KANSAS CORPORATION COMMISSION  
**SEP 29 2004**

# CONSOLIDATED OIL WELL SERVICES

PO Box 103  
Eureka, Kansas 67045

Counting Ticket  
and Invoice Number

No. 5571

Date 6-29-04	Customer Order No.	Sect. 19	Twp. 55	Range 14E	Truck Called Out	On Location	Job Began	Job Completed
Owner HEARTLAND OIL & GAS, INC.		Contractor Gulick Drilling			Charge To HEARTLAND OIL & GAS, INC.			
Mailing Address 6286 EAST Long Circle North		City Englewood			State Co. 80112			
Well No. & Form 13-14		Place JACKSON			State KANSAS			
Depth of Well 243'	Depth of Job 240'	Casing <input checked="" type="radio"/> New <input type="radio"/> Used	Size 8 5/8	Weight 23"	Size of Hole Amt. and Kind of Cement 12 1/4 120 SKS	Cement Left in casing by	Request Necessity 20' feet	
Kind of Job SURFACE Pipe					Drillpipe	Rotary mud		Truck No. 445
					Tubing	Cable		

Price Reference No.	
5401	
Price of Job	550.00
Second Stage	
Mileage	NIC
Other Charges	
Total Charges	550.00

Remarks Safety Meeting: Rig up to 8 5/8 casing. Break circulation w/ 20 bbl fresh water. Pump 7 bbl dye water. Mixed 120 SKS Regular Cement w/ 3% CaCl<sub>2</sub>, 2% Gel, 1/4" floccle per/sk @ 14.9" per/gal, (yield 1.35). Shut down. Release Plug. Displace w/ 13.9 bbl fresh water. Shut casing in @ 200 PSI. Good Cement Returns to Surface = 6 bbl slurry. Job Complete @ 10:45 PM

Cementor Kevin McCoy  
Helper Troy Rick

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 [Signature]  
Agent of contractor or operator

### Sales Ticket for Materials Only

Quantity Sacks	BRAND AND TYPE	PRICE	TOTAL
120 SKS	Regular Class "A" Cement	8.90	1068.00
7 SKS	CaCl <sub>2</sub> 3%	35.70	249.90
2 SKS	Gel 2%	12.40	24.80
1 1/2 SKS	Floccle 1/4" per/sk	40.00	60.00
RECEIVED KANSAS CORPORATION COMMISSION SEP 29 2004			
CONSERVATION DIVISION WICHITA, KS			
9 Hrs	80 Bbl Vac Truck	78.00	702.00
FILL FRAC TANK, Rig water TANK, Pits, Pre mix TANK, WATER FOR SURFACE Pipe			
2	8 5/8 x 12 1/4 Centralizers	40.00	80.00
1	8 5/8 wooden Plug	50.00	50.00
Handling & Dumping			
Plugs	5407. Ton	Mileage	450.00
			Sub Total
			3,254.70
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

Ceiling Ticket  
and Invoice Number

No. **5614**

Date <b>7-2-04</b>	Customer Order No.	Sect. <b>14</b>	Twp. <b>5S</b>	Range <b>15E</b>	Truck Called Out	On Location	Job Began	Job Completed
Owner <b>Heartland Oil &amp; Gas, Inc.</b>		Contractor <b>Gulick Drilling</b>			Charge To <b>Heartland Oil &amp; Gas, Inc.</b>			
Mailing Address <b>6286 East Long Circle North</b>		City <b>Englewood</b>			State <b>CO, 80112</b>			
Well No. & Form <b>ATwater 13-14</b>		Place <b>Jackson</b>			State <b>Kansas</b>			
Depth of Well <b>2390'</b>	Depth of Job <b>2370'</b>	Casing (New) <input checked="" type="checkbox"/> (Used) <input type="checkbox"/>	Size <b>5 1/2"</b>	Weight <b>15.5</b>	Size of Hole Amt. and Kind of Cement <b>7 1/2" 180SKS</b>	Cement Left in casing by	Request Necessity <b>46'</b>	feet
Kind of Job <b>Longstring &gt; PBTD 2324'</b>					Drillpipe	(Rotary) Cable	Truck No. <b>446</b>	

Price Reference No. **5401**

Price of Job **710.00**

Second Stage \_\_\_\_\_

Mileage **N/C**

Other Charges \_\_\_\_\_

Total Charges **710.00**

Remarks: **Safety Meeting - Rig up to 5 1/2" casing Break circulation Pump 20 Bbl. Pre flush, 15 Bbl. Fresh water Spacer Mixed 180SKS O.W.C. (Class A cement, 6% CAL-SEAL, 2% GEL, 2% CACL2) with 1/4lb P/SK of Floccle at 14" lbs P/GM (yield 1.44) shut down washout pump & lines - Release Plug - Displace Plug with 55 1/2 Bbls KCL water. Final pumping at 700 PSI - Bumped Plug to 1150 PSI. Release Pressure - Float Held - close casing in with 0 PSI. Job complete at 3:30am**

Cementer **Brad Butler** Job complete - Tracked down

Helper **Rick - Anthony** District **Eureka** State **Kansas**

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

**"Thank You"**

*[Signature]*  
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% CACL2) #1126	11.85	2133.00
2 SKS	Floccle 1/4lb P/SK #1107	40.00	80.00
1 gal	Super Sweet Bactericide (Mixing water) #1205	23.65	23.65
6 gal	KCL Substitute (Displacement water) #1215	23.10	138.60
2 gal	Framer (Pre flush) #1238	31.50	63.00
6 Hrs	80 Bbl. VAC Truck RECEIVED #5502C	78.00	468.00
3000 gal.	City water KANSAS CORPORATION COMMISSION #1123	11.50 P/1000	34.50
1	5 1/2" Guide Shoe SEP 29 2004 #4203	102.00	102.00
1	5 1/2" Float Collar #4178	215.00	215.00
15	5 1/2" Centralizers CONSERVATION DIVISION #4130	28.00	420.00
1	5 1/2" Top Rubber Plug #4406	40.00	40.00
Handling & Dumping			
Plugs	#5407	Per Mileage	450.00
Sub Total			4877.75
Delivered by Truck No. <b>439</b>			Discount
Delivered from <b>Eureka</b>			Sales Tax
Signature of operator <b>Brad Butler</b>			Total