

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. \_\_\_\_\_  

6/22/04	6/28/04	7/23/04
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 085-20076 - 00 00  
 County: Jackson  
S2 SW NW Sec. 14 Twp. 5 S. R. 15  East  West  
KCC 2790 2817 feet from S (circle one) Line of Section  
625 710 4548 feet from E (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE NW  
 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** P&A KJR 2-6-08  
 (Data must be collected from the Reserve Pit)  
 Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
 Dewatering method used evaporation **RECEIVED**  
 Location of fluid disposal if hauled offsite: **KANSAS CORPORATION COMMISSION**  
**SEP 29 2004**  
 Operator Name: \_\_\_\_\_  
 Lease Name: \_\_\_\_\_ License No. \_\_\_\_\_  
 Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_ **WICHITA, KS**  
 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. J. 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

My Commission Expires 03/16/2005  
 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:  Dual Induction, Sonic, Dual Compensated Porosity, Microresistivity	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Cherokee</td> <td>1585'</td> <td></td> </tr> <tr> <td>Mississippian</td> <td>2322'</td> <td></td> </tr> <tr> <td>Hunton</td> <td>2708'</td> <td></td> </tr> <tr> <td>Arbuckle</td> <td>3494'</td> <td></td> </tr> </table> <p style="text-align: center;">Geological Report Enclosed</p>	Name	Top	Datum	Cherokee	1585'		Mississippian	2322'		Hunton	2708'		Arbuckle	3494'	
Name	Top	Datum														
Cherokee	1585'															
Mississippian	2322'															
Hunton	2708'															
Arbuckle	3494'															

**RECEIVED**  
 KANSAS CORPORATION COMMISSION  
**SEP 29 2004**  
 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
<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 3521.56' - 3636'	59 bbls 15% HCL	open hole
			3521'-
			3636'

TUBING RECORD		Size <u>2 7/8"</u>	Set At <u>3478'</u>	Packer At <u>3478'</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>9/01/04 SWD</u>		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	Gravity
				<u>unknown</u>	<u>unknown</u>

Disposition of Gas  Vented  Sold  Used on Lease *(If vented, Submit ACO-18.)*

**METHOD OF COMPLETION**

Production Interval  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

# CONSOLIDATED OIL WELL SERVICES

PO Box 103  
Eureka, Kansas 67045

Counting Ticket  
and Invoice Number

No. **5569**

Date <b>6-29-04</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>6386 East Long Creek North</b>				City <b>Englewood</b>		State <b>Co. 80112</b>		
Well No. & Form <b>ATWATER FARMS 5-14</b>	Place <b>SWD</b>	County <b>JACKSON</b>			State <b>KANSAS</b>			
Depth of Well <b>3636'</b>	Depth of Job <b>3516'</b>	Casing <input checked="" type="radio"/> New <input type="radio"/> Used	Size <b>5 1/2</b>	Weight <b>15.50*</b>	Size of Hole Amt. and Kind of Cement <b>7 8 120 SKS</b>	Cement Left in casing by <b>Rotary Mud</b>	Request Necessity <b>44'</b>	feet
Kind of Job <b>Longstring Stage #1 P.B.T.D. 3472'</b>					Drillpipe	Cable <b>Truck No. 445</b>		

Price Reference No. \_\_\_\_\_  
**5401**

Price of Job \_\_\_\_\_  
**710.00**

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

Mileage \_\_\_\_\_  
**N/C**

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

Total Charges \_\_\_\_\_  
**710.00**

Remarks **Safety Meeting: Packer Set @ 3516'. Rig up to 5 1/2 casing. Fill casing w/ Mud. Drop BALL. Pump 20 Bbl water. Set Packer shoe @ 950 PSI. Pump 20 Bbl Pre Flush (Foamer). Pump 20 Bbl Fresh water Spacer. Mixed 120 SKS O.W.C. Cement w/ 1/4" floccle per/sk @ 14.4" per/gal (yield 1.44). Shut down. Release Plug. Displace w/ 83° Bbl Fresh water. FINAL Pumping Pressure 550 PSI. Bump Plug to 1400 PSI. Wait 1 minute. Release Pressure. Float Held. Drop Trip Bomb. Wait 12 minutes. Pressure to 1350 PSI. Release Pressure. Wait 2 more minutes. Pressure to 1000 PSI. Stage Collar Open. Pump 5 Bbl H<sub>2</sub>O. Rig up Mud Pump. 1:00 AM**

Cementer **Kevin McCoy**

Helper **Troy, Justin, Anthony** District **EUREKA** State **KS**

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
120 SKS	O.W.C. (class "A", 6% CAL SEAL, 2% Gel, 2% Cactz)	1126 11.85	1422.00
1 SK	Floccle 1/4" per/sk	1107 40.00	40.00
1 GAL	Supersweet Bactericide (mixing water)	1205 23.65	23.65
3 GAL	KCL Substitute (Displacement water)	1215 23.10	69.30
2 GAL	Foamer (Pre Flush)	1238 31.50	63.00
6 HRS	80 Bbl Vac TRUCK 444 RECEIVED 5502 C	78.00	468.00
KANSAS CORPORATION COMMISSION			
SEP 29 2004			
1	5 1/2 Cement Basket CONSERVATION DIVISION WICHITA, KS	4104 130.00	130.00
16	5 1/2 x 7 1/8 Centralizers	4130 28.00	448.00
1	5 1/2 Type A Packer shoe	4253 1,200.00	1,200.00
Mileage & Demurrage			
Plugs	5407 Ton	Mileage	450.00
			Sub Total
			5,023.95
Delivered by Truck No. <b>442</b>			Discount
Delivered from <b>EUREKA</b>			Sales Tax
Signature of operator <i>[Signature]</i>			Total

# CONSOLIDATED OIL WELL SERVICES

PO Box 103  
Eureka, Kansas 67045

Permitting Ticket  
and Invoice Number

No. 5600

Date	Customer Order No.	Sect.	Twp.	Range	Truck Called Out	On Location	Job Began	Job Completed
6-22-04		14	5S	15E				
Owner Heartland Oil & Gas, Inc.		Contractor Gulick Drlg.			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	5WD	Place	County JACKSON		State KANSAS			
Depth of Well 244'	Depth of Job 240'	Casing (New) Used	Size 8 7/8	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 Pipe					Drillpipe	(Rotary) mud Cable Truck No. 445		

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% Cactz 2% Gel, 1/4 # Flocele 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 @ 7:10 pm

Price Reference No. \_\_\_\_\_  
54015  
Price of Job 550.00

Second Stage \_\_\_\_\_  
Mileage NIC

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

Total Charges 550.00

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 Ray Mc Agent of contractor or operator

Sales Ticket for Materials Only

Quantity Sacks	BRAND AND TYPE		PRICE	TOTAL
120 SKS	Regular Class "A" Cement	1104	8.90	1068.00
7 SKS	Cactz 3%	1102	35.70	249.90
2 SKS	Gel 2%	1118	12.40	24.80
1 1/2 SKS	Flocele 1/4 # per/sk	1107	40.00	60.00
5 Hrs	80 BBL VAC TRUCK 444	5502C	78.00	390.00
RECEIVED KANSAS CORPORATION COMMISSION SEP 29 2004 CONSERVATION DIVISION WICHITA, KS				
2	8 5/8 x 12 1/4 Centralizers		40.00	80.00
1	8 5/8 Wooden Plug		50.00	50.00
Plugs	5407A TON	Mileage		450.00
	Delivered by Truck No. 439	Sub Total		2922.70
	Delivered from Eureka	Discount		
	Signature of operator. <u>Kevin McCoy</u>	Sales Tax		
		Total		

# CONSOLIDATED OIL WELL SERVICES

PO Box 103  
Eureka, Kansas 67045

Counting Ticket  
and Invoice Number

No. 5570

Date 6-29-04	Customer Order No.	Sect. 14	Twp. 5S	Range 15E	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 Atwater Farms 5-14	SWD	Place	County JACKSON		State KANSAS			
Depth of Well 3636'	Depth of Job 2409'	Casing (New) Used	Size 5 1/2	Weight 15.50 #	Size of Hole Aml. and Kind 7 7/8	Cement Left in casing by )	Request Necessity _____ feet	
Kind of Job Longstring - 2 Stage Collar Set @ 2409'		STAGE #2			Drillpipe	Rotary mud		
					Tubing	Cable Truck No. 445		

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. Pump 20 BBL Pre Flush, 15 BBL water spacer. Mixed 210 SKS O.W.C. Cement w/ 1/8" Flocele per/sk @ 14.4# per/gal (yield 1.44). Shut down. Release Plug. Displace w/ 57.3 BBL Fresh water. FINAL Pumping Pressure 650 PSI. Bump Plug to 1500 PSI. Close Stage Collar. Release Pressure Tool Closed. Good Circulation AT ALL times while Cementing Both Stages. Job Complete @ 4:50 AM

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

Sales Ticket for Materials Only

Quantity Sacks	BRAND AND TYPE		PRICE	TOTAL
210 SKS	O.W.C. (CLASS "A", 6% CAL-SEAL, 2% GEL, 2% CACL2)	1126	11.85	2488.50
2 SKS	Flocele 1/8" per/sk	1107	40.00	80.00
1 GAL	Super Sweet Bacterialside (Mixing water)	1305	23.65	23.65
6 GAL	KEL Substitute (Displacement water)	1215	23.10	138.60
2 GAL	Foamer (Pre Flush)	1238	31.50	63.00
RECEIVED KANSAS CORPORATION COMMISSION SEP 29 2004 CONSERVATION DIVISION WICHITA, KS				
1	2 Stage Collar (5 1/2) w/ Plugs	4277	2,300.00	2,300.00
Plugs	5407 Ton	Mileage		450.00
	Delivered by Truck No. 439	Sub Total		6,253.75
	Delivered from EUREKA	Discount		
	Signature of operator <u>Kevin McCoy</u>	Sales Tax		
		Total		