

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>5/07/04</u>	<u>5/11/04</u>	<u>8/08/04</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 131-20188-00-00  
County: Nemaha  
SE SW NW Sec. 14 Twp. 4 S. R. 14  East  West  
3150 feet from  N (circle one) Line of Section  
810 feet from E  W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW  SW  
Lease Name: McClain Well #: 5-14  
Field Name: wildcat  
Producing Formation: Cherokee  
Elevation: Ground: 1246' Kelly Bushing: 1254'  
Total Depth: 2705' Plug Back Total Depth: 2639'  
Amount of Surface Pipe Set and Cemented at 282.8' 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 KJR 2-6-08  
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. \_\_\_\_\_  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: 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 Cavall  
Date Commission Expires: \_\_\_\_\_

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

Notary Commission Expires 12/31/05

Operator Name: Heartland Oil and Gas, Inc. Lease Name: McClain Well #: 5-14  
 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)*

Log Formation (Top), Depth and Datum  Sample  
 Name Top Datum  
 Marmaton 1688'  
 Cherokee 1849'  
 Mississippian 2678'

**RECEIVED**  
 KANSAS CORPORATION COMMISSION  
**SEP 29 2004**  
 CONSERVATION DIVISION  
 WICHITA, KS

List All E. Logs Run:

Dual Induction, Temperature  
 Dual Compensated Porosity,

Geological Report Enclosed

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#	282.8'	Class A	130	2% gel, 3% CaCl
Production	7 7/8"	5 1/2"	15.5#	2687'	Class A	200	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	2167'-2169', 2210'-2212', 2232'-2234', 2299'-2301'	2200 gal 15% HCL	2167' -
	2305'-2307', 2312'-2314', 2345'-2347', 2352'-2354',	1325 bbls fluid w/ 70,000 # sand	2432'
	2372'-2374', 2399'-2401', 2430'-2432'		

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8"	2438'	none	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method			
8/11/04		<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		unknown	unknown

Disposition of Gas **METHOD OF COMPLETION** Production Interval  
 Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  
*(If vented, Submit ACO-18.)*  Other (Specify) \_\_\_\_\_

CONSOLIDATED OIL WELL SERVICES, INC.  
 211 West 14<sup>th</sup>, P.O. Box 804  
 Chanute, Kansas 66720

Cementing Ticket  
 and Invoice Number

No 5494

Date 5-8-04	Customer Order No.	Sec. 14	Twp. 4s	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 M <sup>c</sup> Clain #5-14		Place Nemaha			State Kansas			
Depth of Well 288'	Depth of Job 285'	Casing (New) Size 8 7/8" (Used) Weight 23lb.	Size of Hole Amt. and Kind of Cement 12 1/4" 130 SKS		Cement Left in casing by Request Necessity 20' feet		Drillpipe (Rotary) Tubing (Cable) Truck No. #444	
Kind of Job Surface Pipe								

Price Reference No. #54015	Price of Job 525.00
Second Stage	
Mileage	N/C
Other Charges	
Total Charges	525.00

Remarks Safety Meeting: Rig up to 8 7/8" casing, break circulation with fresh water pumped @ Bbls. Dy + water. Ahead. Mixed 130 SKS. Reg. cement w/ 3% CaCl<sub>2</sub>, 2% Geh, Floccle. Shut down, Release Plug - Displace Plug with 16 3/4 Bbls. water. Shut down - close casing in. 2:30 AM. Plug down. Good cement returns to surface 12 bbl.

Cementer Brad Butts  
 Helper Alan - Rick - Jim  
 District Eureka  
 State Kansas  
 The above job was done under supervision of the owner, operator, or his agent whose signature appears below.  
 "Thank you"  
 x *Ray*  
 Agent of contractor or operator

Sales Ticket for Materials Only

Quantity Sacks	BRAND AND TYPE	PRICE	TOTAL
130 SKS	Regular - class "A" cement #1104	8.50	1105.00
8 SKS	CaCl <sub>2</sub> 3% #1102	34.00	272.00
2 1/2 SKS	Geh 2% #1118	11.80	29.50
1 1/2 SKS	Floccle 1/4 lb. PYSK #1107	37.75	56.62
5 Hrs	80 Bbl. VAC Truck RECEIVED KANSAS CORPORATION COMMISSION #5502	75.00	375.00
SEP 29 2004			
2	8 5/8" Centralizers CONSERVATION DIVISION WICHITA KS #4132		75.00
1	8 5/8" Wooden Plug #4432		46.50
Plugs	#5407 Ton Mileage		450.00
Delivered by Truck No. #442	Sub Total		2934.62
Delivered from Eureka	Discount		
Signature of operator Brad Butts	Sales Tax		
	Total		

CONSOLIDATED OIL WELL SERVICES, INC.  
 211 West 14<sup>th</sup>, P.O. Box  
 Chanute, Kansas 66720

Cementing Ticket  
 and Invoice Number

**No 5497**

Date <b>5-11-04</b>	Customer Order No.	Sect. <b>14</b>	Twp. <b>4S</b>	Range <b>14E</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>McClain 5-14</b>	Place	County <b>Nemaha</b>			State <b>Kansas</b>			
Depth of Well <b>2705'</b>	Depth of Job <b>2679'</b>	Casing <input checked="" type="radio"/> New <input type="radio"/> Used	Size <b>5 1/2"</b>	Weight <b>15.5</b>	Size of Hole Amt. and Kind of Cement <b>7 1/4" 200sks</b>	Cement Left in casing by	Request Necessity <b>44</b>	feet
Kind of Job <b>Longstring / PBTD 2635'</b>					Drillpipe	Tubing		Truck No. <b># 444</b>

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 at 10:45 p.m. Pumped 20 Bbls. Preflush (2 gal. Foamur), followed w/ 15 Bbl water spacer. Mixed 200 SKS O.W.C. with Floccs 1/4 lb P4/SK or 145 lbs P4/Gal. Shut down - washout pump & lines - Release Plug Displace Plug with KCh water at 4.5 BPM with 63 Bbl water. Final pumping at 600 PSI - Pumped Plug To 1000 PSI at 11:30 p.m. wait 2 min - Release Pressure - Float Held - close casing in O.P.S.I. Good circulation during cementing procedure.**

**Note: reciprocate Pipe during Displacement of Plug**  
**Job complete - Tear down**

Cementer **Brad Butler**  
 Helper **Alan - Troy - Rick** 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 A. R.* Agent of contractor or operator

Sales Ticket for Materials Only

Quantity Sacks	BRAND AND TYPE	PRICE	TOTAL
200 SKS	O.W.C. (Class A cement, 62 CAL-SEAL, 22 Gal, 2% CACLO) #1126	11.30	2260.00
2 SKS	Floccs 1/4 lb. P4/SK #1107	37.75	75.50
1 GAL	Supersweet Bactericide (Mixing water) #1205	22.50	22.50
6 GAL	KCh Substitute (Displ water) #1215	22.00	132.00
2 GAL	Foamer (Mixed w/ 20 Bbl water Preflush) #1238	30.00	60.00
6 Hrs	80 Bbl. VAC Truck RECEIVED #5502	75.00	450.00
3000 Gals	City water KANSAS CORPORATION COMMISSION #1123	11.25	33.75
SEP 29 2004			
1	5 1/2" Guide Shoe #4203	102.00	102.00
1	5 1/2" Float Collar CONSERVATION DIVISION #4178	215.00	215.00
15	5 1/2" Centralizers WICHITA, KS #4130	28.00	420.00
1	5 1/2" Top Rubber Plug #4406	40.00	40.00
Plugs	Handling & Dumping #5407 Tea Mileage		450.00
	Delivered by Truck No. #442	Sub Total	4935.75
	Delivered from Eureka	Sales Tax	
	Signature of operator Brad Butler	Total	