

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. _____

4/12/04	4/24/04	7/14/04
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 131-20184-0000
County: Nemaha
SW SE Sec. 12 Twp. 3 S. R. 14 East West
580 feet from (S) N (circle one) Line of Section
1980 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: Georg Well #: 15-12
Field Name: wildcat
Producing Formation: SWD - Arbuckle
Elevation: Ground: 1288' Kelly Bushing: 1296'
Total Depth: 4183' Plug Back Total Depth: open hole
Amount of Surface Pipe Set and Cemented at 283 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2720 Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan R+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. **CONSERVATION DIVISION**
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: [Signature]
Title: Consulting Engineer Date: 9/20/04
Subscribed and sworn to before me this 20th day of September
2004
Notary Public: [Signature]
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: Georg Well #: 15-12
 Sec. 12 Twp. 3 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 <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 checked="" type="checkbox"/> Yes <input 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, Temperature, Dual Compensated Porosity, Microresistivity	<input checked="" type="checkbox"/> Log: Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Mississippian</td> <td>2688'</td> <td></td> </tr> <tr> <td>Hunton</td> <td>3135'</td> <td></td> </tr> <tr> <td>Viola</td> <td>3763'</td> <td></td> </tr> <tr> <td>Arbuckle</td> <td>4053'</td> <td></td> </tr> </table> <p style="text-align: center;">Geological Report Enclosed</p>	Name	Top	Datum	Mississippian	2688'		Hunton	3135'		Viola	3763'		Arbuckle	4053'	
Name	Top	Datum														
Mississippian	2688'															
Hunton	3135'															
Viola	3763'															
Arbuckle	4053'															

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 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#	283'	Class A	162	2% gel, 3% CaCl
Production	7 7/8"	5 1/2"	15.5#	4076'	Class A	443	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 4076' - 4183'	24 bbls 15% HCL	open hole
			4076'-
			4183'

TUBING RECORD		Size 2 7/8"	Set At 4028'	Packer At 4028'	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. 8/04/04 SWD		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 unknown	Gravity 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 W. 14TH STREET, CHANUTE, KS 66720
 620-431-9210 OR 800-467-8676

TICKET NUMBER **23134**

LOCATION Ottawa

FOREMAN Alan Mader

TREATMENT REPORT

DATE 4-24-04	CUSTOMER ACCT #	WELL NAME Georg 15-12	QTR/QTR	SECTION 12	TWP 3	RGE 14	COUNTY NM	FORMATION
CHARGE TO <u>Heartland Oil + Gas</u>				OWNER				
MAILING ADDRESS <u>6286 E kang circle North</u>				OPERATOR <u>Wayle Robb</u>				
CITY <u>Englewood</u>				CONTRACTOR <u>Gullick</u>				
STATE <u>Co</u>		ZIP CODE <u>80112</u>		DISTANCE TO LOCATION <u>115 miles</u>				
TIME ARRIVED ON LOCATION				TIME LEFT LOCATION				

RECEIVED
 KANSAS CORPORATION
 SEP 29 2004
 CONSERVATION DIVISION
 WICHITA, KS

WELL DATA	
HOLE SIZE	<u>7 7/8</u>
TOTAL DEPTH	<u>4133'</u>
CASING SIZE	<u>5 1/2</u>
CASING DEPTH	<u>4076'</u>
CASING WEIGHT	<u>7.12' land sub.</u>
CASING CONDITION	
TUBING SIZE	
TUBING DEPTH	
TUBING WEIGHT	
TUBING CONDITION	
PACKER DEPTH	<u>DV 100L - 2719'</u>
PERFORATIONS	
SHOTS/FT	
OPEN HOLE	
TREATMENT VIA	

TYPE OF TREATMENT	
<input type="checkbox"/> SURFACE PIPE	<input type="checkbox"/> ACID BREAKDOWN
<input checked="" type="checkbox"/> PRODUCTION CASING	<input type="checkbox"/> ACID STIMULATION
<input type="checkbox"/> SQUEEZE CEMENT	<input type="checkbox"/> ACID SPOTTING
<input type="checkbox"/> PLUG & ABANDON	<input type="checkbox"/> FRAC
<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> FRAC + NITROGEN
<input type="checkbox"/> MISC PUMP	<input type="checkbox"/> FOAM FRAC
<input type="checkbox"/> OTHER	<input type="checkbox"/> NITROGEN

PRESSURE LIMITATIONS		
	THEORETICAL	INSTRUCTED
SURFACE PIPE		
ANNULUS LONG STRING		
TUBING		

INSTRUCTION PRIOR TO JOB
 356 A Mader 369 R Arb
 368 B Zabel 1444 Reed

JOB SUMMARY

cement casing with DV tool
use DWG both stages (Portland, 6% gypsum
2% Col, 2% gel) with 1/4" # flow seal.
Mix @ 14.7 PPG. yield of 1.44.

DESCRIPTION OF JOB EVENTS Establish circulation. Mix + pump 20 bbl mud flush followed by 135sx
cement mixed with bacteriacide water. Pump bottom plug to TD with
30 bbl 14.7 water + 67.3 bbl drill mud. Drop opener. Wait 15 min. Open DV tool
with 950 PSI. Circulate with rig for 4 hrs. Mix + pump 20 bbl mud flush followed
by 308 sx cement with bacteriacide water. Released plug and pumped to
DV tool with 65 bbl 14.7 water. Tool closed with 1000 PSI. Released
pressure.

PRESSURE SUMMARY	
BREAKDOWN or CIRCULATING	psi
FINAL DISPLACEMENT	psi
ANNULUS	psi
MAXIMUM	psi
MINIMUM	psi
AVERAGE	psi
ISIP	psi
5 MIN SIP	psi
15 MIN SIP	psi

TREATMENT RATE	
BREAKDOWN BPM	<u>first plug down 11:30 AM</u>
INITIAL BPM	<u>second plug down 1-M</u>
FINAL BPM	
MINIMUM BPM	
MAXIMUM BPM	
AVERAGE BPM	

AUTHORIZATION TO PROCEED Alan Mader TITLE _____ DATE 4/24/04
 ALL THE TERMS AND CONDITIONS STATED ON THE REVERSE SIDE ARE INCORPORATED AS PART OF THIS SALE.
 Ravin 1259

CONSOLIDATED OIL WELL SERVICES, INC.
 211 W. 14TH STREET, CHANUTE, KS 66720
 620-431-9210 OR 800-467-8676

TICKET NUMBER **29072**
 LOCATION Ottawa
 FOREMAN Bill Zabel

TREATMENT REPORT

DATE 4-13-04	CUSTOMER # 3576	WELL NAME Georg 15-12	FORMATION
SECTION 12	TOWNSHIP 3	RANGE 14	COUNTY NM
CUSTOMER Heartland Oil & Gas			
MAILING ADDRESS 6286 E Longcircle North			
CITY Englewood			
STATE Co		ZIP CODE 80112	
TIME ARRIVED ON LOCATION			

TRUCK #	DRIVER	TRUCK #	DRIVER
369	Bruck W		
368	Aaron H		
122	Rick A		
372	Bill Z		
RECEIVED			
KANSAS CORPORATION COMMISSION			
SEP 29 2004			
CONSERVATION DIVISION MICHITA, KS			

WELL DATA	
HOLE SIZE 12 1/4	PACKER DEPTH
TOTAL DEPTH 287	PERFORATIONS
	SHOTS/FT
CASING SIZE 8 5/8	OPEN HOLE
CASING DEPTH 272.69	
CASING WEIGHT	TUBING SIZE
CASING CONDITION Sub = 12"	TUBING DEPTH
	TUBING WEIGHT
	TUBING CONDITION
TREATMENT VIA Displ = 264'	

TYPE OF TREATMENT	
<input checked="" type="checkbox"/> SURFACE PIPE	<input type="checkbox"/> ACID BREAKDOWN
<input type="checkbox"/> PRODUCTION CASING	<input type="checkbox"/> ACID STIMULATION
<input type="checkbox"/> SQUEEZE CEMENT	<input type="checkbox"/> ACID SPOTTING
<input type="checkbox"/> PLUG & ABANDON	<input type="checkbox"/> FRAC
<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> FRAC + NITROGEN
<input type="checkbox"/> MISP. PUMP	<input type="checkbox"/>
<input type="checkbox"/> OTHER	<input type="checkbox"/>

PRESSURE LIMITATIONS		
	THEORETICAL	INSTRUCTED
SURFACE PIPE		
ANNULUS LONG STRING		
TUBING		

Pump 15 BBL H2O Ahead Followed by 8 BBL Dye marker Mixed & Pumped
 INSTRUCTION PRIOR TO JOB **162 ss Portland A, 2% Gel, 3% cal, 1/4 Flu Seal,**
Circulated Dye, Released 8 5/8 Plug + Displaced with 16 1/2 BBL
Clear H2O. Circulated 7 BBL Cement Returns, Shut in

AUTHORIZATION TO PROCEED _____ TITLE _____ DATE **4-13-04**
Well Fall Back 20' Left Ssa Dry Pipe.

TIME AM / PM	STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE	PSI	
Mixed @	14	8 PPG					BREAKDOWN PRESSURE
Yield of	1.35						DISPLACEMENT
Plug Down	3:30 AM					100 psi	MIX PRESSURE
						200 psi	MIN PRESSURE
							ISIP
							15 MIN.
						4 BPM	MAX RATE
							MIN RATE

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