

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>3/19/04</u>	<u>3/23/04</u>	<u>8/07/04</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 131-20183-00-00
County: Nemaha
NW SE Sec. 12 Twp. 3 S. R. 14 East West
1880 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 #: 10-12
Field Name: wildcat
Producing Formation: Cherokee
Elevation: Ground: 1269' Kelly Bushing: 1277'
Total Depth: 2722' Plug Back Total Depth: 2656'
Amount of Surface Pipe Set and Cemented at 260 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 RFR 2-7-08
(Data must be collected from the Reserve Pit)
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
WICHITA, KS
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: 9/29/04
Subscribed and sworn to before me this 20th day of September
2004
Notary Public: Diane Cavel
Date Commission Expires: _____

My Commission Expires 03/16/2005

KCC Office Use ONLY

Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

Operator Name: Heartland Oil and Gas, Inc. Lease Name: Georg Well #: 10-12
 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 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, Microresistivity Dual Compensated Porosity	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Marmaton 1728' Cherokee 1897' Mississippian 2677' Geological Report Enclosed
--	---

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#	260'	Class A	133	2% gel, 3% CaCl
Production	7 7/8"	5 1/2"	15.5#	2702'	Class A	205	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	2320'-2322.5', 2333'-2335', 2374'-2376', 2386'-2387'	1200 gal 15% HCL	2320' -
	2403'-2405', 2472'-2474'	1003 bbls fluid w/ 52,700 # sand	2474'

TUBING RECORD	Size <u>2 3/8"</u> Set At <u>2487'</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>8/7/04</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>NA</u>	Gravity <u>NA</u>
-----------------------------------	-----------------------	---------------------	-------------	----------------------------	----------------------

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 **23128**

LOCATION Ottawa

TREATMENT REPORT

FOREMAN Alan Mader

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
3-24-03		Gen 10-12		12			NM	
CHARGE TO <u>Heart land O.I. & Cas</u>				OWNER				
MAILING ADDRESS <u>6286 E Wang Circle M</u>				OPERATOR <u>Leo Bobb</u>				
CITY <u>Englewood</u>				CONTRACTOR <u>Gullick</u>				
STATE <u>Co</u> ZIP CODE <u>80112</u>				DISTANCE TO LOCATION <u>115</u>				
TIME ARRIVED ON LOCATION				TIME LEFT LOCATION				

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

WELL DATA	
HOLE SIZE	<u>7 7/8</u>
TOTAL DEPTH	<u>2722</u>
CASING SIZE	<u>5 1/2</u>
CASING DEPTH	<u>2702 ± 10 land sub</u>
CASING WEIGHT	
CASING CONDITION	<u>2694 - float collar</u>
TUBING SIZE	
TUBING DEPTH	
TUBING WEIGHT	
TUBING CONDITION	
PACKER DEPTH	
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
386 A Mader 370 Allardma
368 B2abel 195 R Ach

JOB SUMMARY
 Cement casing up to 1600' with OWC (footland, 6% gel - sand 9% (col), 2% gel) with 1/2" floeal. Mix @ 14.7 PPG yield 1.44

DESCRIPTION OF JOB EVENTS
 Mix pump 27 bbl flush with 2 gal soap. Mix + pump 204' 5" OWC with 1/2" floeal. Flush pump clean. Pump 5/2 plug to float collar @ 2653 casing held 1750 PSI. Set final R + D equipment. Plug down at 2192 AM.

PRESSURE SUMMARY	
BREAKDOWN or CIRCULATING	psi
FINAL DISPLACEMENT	<u>702</u> psi
ANNULUS	psi
MAXIMUM	psi
MINIMUM	psi
AVERAGE	psi
ISIP	<u>300</u> psi
5 MIN SIP	psi
15 MIN SIP	psi

TREATMENT RATE	
BREAKDOWN BPM	
INITIAL BPM	
FINAL BPM	<u>1</u>
MINIMUM BPM	
MAXIMUM BPM	<u>4 1/2</u>
AVERAGE BPM	

AUTHORIZATION TO PROCEED _____ TITLE _____ DATE _____

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

TICKET NUMBER **23127**

LOCATION Oil Well

FOREMAN Alan Mader

TREATMENT REPORT

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
3-20-04	3576	George 10-13		12	3	14	N/M	
CHARGE TO <u>Heartland Dilt Gas</u>				OWNER				
MAILING ADDRESS <u>6286 E. Longwood North</u>				OPERATOR RECEIVED KANSAS CORPORATION COMMISSION				
CITY <u>Engelwood</u>				CONTRACTOR <u>Gullick</u> SEP 29 2004				
STATE <u>Co</u> ZIP CODE <u>80112</u>				DISTANCE TO LOCATION <u>115</u>				
TIME ARRIVED ON LOCATION				TIME LEFT LOCATION CONSERVATION DIVISION WICHITA, KS				

WELL DATA	
HOLE SIZE	<u>12 1/4</u>
TOTAL DEPTH	<u>272</u>
CASING SIZE	<u>8 1/8</u>
CASING DEPTH	<u>260 + 12' sub</u>
CASING WEIGHT	
CASING CONDITION	
TUBING SIZE	
TUBING DEPTH	
TUBING WEIGHT	
TUBING CONDITION	
PACKER DEPTH	
PERFORATIONS	
SHOTS/FT	
OPEN HOLE	
TREATMENT VIA	

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"/> 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
376 B.Mader 370 B.Zabel cement surface casing with Portland
263 B.W.H.ams P. Arb at 14.5 PPG and 1.35 yield.

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Established circulation, Pumped 15 bbl water pad
followed by 10 bbl dye. Mixed topped 1335y cement
Released 3" wooden plug. Isolated casing with 16 bbl
clean water. Circulated 5 bbl cement returns to p.t.
closed valve.

Plug down 8:00 AM

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	
INITIAL BPM	
FINAL BPM	
MINIMUM BPM	
MAXIMUM BPM	<u>4.0 GPM</u>
AVERAGE BPM	

AUTHORIZATION TO PROCEED _____ TITLE _____ DATE _____