

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. _____

4/28/04 5/01/04 8/10/04
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 131-20187-00-00
County: Nemaha
C NE SW Sec. 14 Twp. 4 S. R. 14 East West
1980 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: Mauersberger Well #: 11-14
Field Name: wildcat
Producing Formation: Cherokee
Elevation: Ground: 1213' Kelly Bushing: 1221'
Total Depth: 2786' Plug Back Total Depth: 2717'
Amount of Surface Pipe Set and Cemented at 281.3' 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 R4A KJR 2/19/08
(Data must be collected from the Reserve Pit) **RECEIVED**
Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used evaporation **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: [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

Operator Name: Heartland Oil and Gas, Inc. Lease Name: Mauersberger Well #: 11-14
 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 <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 Cherokee 1810' Mississippian 2731' Geological Report Enclosed
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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#	281.3'	Class A	130	2% gel, 3% CaCl
Production	7 7/8"	5 1/2"	15.5#	2762'	Class A	210	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	2022'-2024', 2277'-2279', 2284'-2286', 2313'-2315', 2339'-2341', 2397'-2399', 2446'-2448'	1200 gal 15% HCL 918 bbls fluid w/ 51,800 # sand	2022' - 2448'

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 KANSAS CORPORATION COMMISSION
 SEP 29 2004
 CONSERVATION DIVISION
 WICHITA, KS

TUBING RECORD		Size <u>2 3/8"</u>	Set At <u>2450'</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>8/10/04</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 _____

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

Cementing Ticket
 and Invoice Number **No 5474**

Date 4-29-04	Customer Order No.	Sect. 14	Twp. 4	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 Mauersberger # 11-14		Place		County Nemaha		State Kansas		
Depth of Well	Depth of Job	Casing (New) Size 8 5/8" (Used) Weight 23lb.	Size of Hole Amt. and Kind of Cement 130 SKS.		Cement Left in casing by Request		Necessity 20' feet	
Kind of Job Surface Pipe					Drillpipe _____ (Rotary) Tubing _____ (Cable) Truck No. _____			

Price Reference No.	
Price of Job	525.00
Second Stage	
Mileage	
Other Charges	
Total Charges	525.00

Remarks **Safety Meeting: Rig up to 8 5/8" casing, break circulation with 15 Bbl. fresh water - Pumped 8 Bbl. Dye water. Mixed 130 SKS. Reg. cement w/ 3% CACL₂ + Floccate 1/4 lb. P²/SK. Shut down - Release Plug - Displace Plug with 16 3/4 Bbls water. Shut down - close casing in. Good cement returns to surface w/ 5 Bbl. slurry**

Job complete - Tear down

Cementer **Brad Butler**
 Helper **Rick - Justin - Jim** District **Eweka** State **Kansas**
 The above job was done under supervision of the owner, operator, or his agent whose signature appears below.
"Thank you" *Tracy A. ...* Agent of contractor or operator

Sales Ticket for Materials Only

Quantity Sacks	BRAND AND TYPE	PRICE	TOTAL
130	SKS. Reg. - class A ⁺ Cement	8.50	1105.00
365	lbs. CACL ₂ 3%		272.00
32	lbs. Floccate 1/4 lb. P ² /SK		37.75
RECEIVED KANSAS CORPORATION COMMISSION SEP 29 2004 CONSERVATION DIVISION WICHITA, KS			
6	Hrs. Water Truck	75.00	450.00
2	8 5/8" Centralizers		75.00
1	8 5/8" Wooden Plug		46.50
Plugs		Handling & Dumping	
		Tm Mileage	437.00
		Sub Total	2948.25
Delivered by Truck No.		Discount	
Delivered from		Sales Tax	6.3%
Signature of operator		Total	3133.98

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

TICKET NUMBER **22951**
 LOCATION Ottawa
 FOREMAN Alan Mader

TREATMENT REPORT

DATE 5-2-04	CUSTOMER ACCT #	WELL NAME Mauersberger	QTR/QTR 11-14	SECTION 14	TWP 5	RGE 14	COUNTY NM	FORMATION
CHARGE TO Heartland Oil + Gas				OWNER				
MAILING ADDRESS				OPERATOR Hayle Robb RECEIVED KANSAS CORPORATION COMMISSION				
CITY Englewood				CONTRACTOR Gullick SEP 29 2004				
STATE CO		ZIP CODE		DISTANCE TO LOCATION 110				
TIME ARRIVED ON LOCATION				TIME LEFT LOCATION CONSERVATION DIVISION WICHITA, KS				

WELL DATA	
HOLE SIZE	7 7/8
TOTAL DEPTH	2786
CASING SIZE	5 1/2
CASING DEPTH	2754
CASING WEIGHT	27 1/4 float collar
CASING CONDITION	12 and sub
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 P. Mader 369 R. Arb
367 B. Zable 193 Tim

Cement bottom of casing with DWL (Portland, 6% gypsum, 2% CaCl, 2% gel) with 1/4# fluxed Mix @ 14.7 PPG. yield of 1.44

JOB SUMMARY

DESCRIPTION OF JOB EVENTS
Established circulation. Mixed + pumped 20 bbl mud flush with 2 gal foam. Mixed + pumped 210sx DWL with city water + bactericide. Flushed pump clean. Pumped 5 1/2 plugs to float collar 2716' with KLL water. Well held 1200 PSI. Set float. 641

Pin down 4 1/2" M

Alan Mader

PRESSURE SUMMARY	
BREAKDOWN or CIRCULATING	200 psi
FINAL DISPLACEMENT	100 psi
ANNULUS	psi
MAXIMUM	psi
MINIMUM	psi
AVERAGE	psi
ISIP	1200 psi
5 MIN SIP	psi
15 MIN SIP	psi

TREATMENT RATE	
BREAKDOWN BPM	
INITIAL BPM	
FINAL BPM	
MINIMUM BPM	
MAXIMUM BPM	5 BPM
AVERAGE BPM	

AUTHORIZATION TO PROCEED **Hayle Robb** TITLE _____ DATE **5/2/04**

ALL THE TERMS AND CONDITIONS STATED ON THE REVERSE SIDE ARE INCORPORATED AS PART OF THIS SALE.