

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>5/15/04</u>	<u>5/24/04</u>	<u>7/19/04</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 131-20190-00-00
County: Nemaha
NE NE NW Sec. 14 Twp. 4 S. R. 14 East West
330 feet from S (N) (circle one) Line of Section
2970 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 #: 3-14
Field Name: wildcat
Producing Formation: SWD - Arbuckle
Elevation: Ground: 1252' Kelly Bushing: 1260'
Total Depth: 4090' Plug Back Total Depth: open hole
Amount of Surface Pipe Set and Cemented at 281.4 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2678.7 Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan *P+A KJR 2/17/08*
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____ **RECEIVED**
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SEP 29 2004
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ **CONSERVATION DIVISION**
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 20 day of September
2004
Notary Public: Diane Canale
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: McClain Well #: 3-14
 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)

List All E. Logs Run:

Dual Induction, Sonic,
 Dual Compensated Porosity, Microresistivity

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Cherokee	1850'	
Mississippian	2678'	
Hunton	3065'	
Viola	3668'	
Arbuckle	3948'	

Geological Report Enclosed

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 SEP 29 2004

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used								CONSERVATION DIVISION WICHITA, KS
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#	281.4'	Class A	130	2% gel, 3% CaCl	
Production	7 7/8"	5 1/2"	15.5#	3965.2'	Class A	445	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 3965' - 4085'	60 bbls 15% HCL	open hole
			3965'-
			4085'

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 7/8"	3942'	3942'	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method			
8/07/04 SWD		<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
				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.

PO Box 103
Eureka, Kansas 67045

Counting Ticket
and Invoice Number

No. **5512**

Date 5-16-04	Customer Order No.	Sect. 14	Twp. 45	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 McCLAIN # 3-14		Place Nemaha			State KANSAS			
Depth of Well 288'	Depth of Job 285'	Casing <input checked="" type="radio"/> New <input type="radio"/> Used	Size 8 5/8	Weight 23 #	Size of Hole Amt. and Kind of Cement 12 1/4	130 SKS	Cement Left in casing by <input type="radio"/> Request <input checked="" type="radio"/> Necessity	30' feet
Kind of Job SURFACE Pipe					Drillpipe	<input checked="" type="radio"/> Rotary <input type="radio"/> Cable	Truck No. 445	

Price Reference No.	
5401 S	
Price of Job	525.00
Second Stage	
Mileage	N/C
Other Charges	
Total Charges	525.00

Remarks: **Safety Meeting: Rig up to 8 5/8 CASING. BREAK Circulation w/ 15 BBL Fresh water. Pump 8 BBL Dye water. Mixed 130 SKS Regular Cement w/ 3% CaCl₂, 2% Gel, 1/4 # Floccle per/sk @ 14.9 # per/GAL. Shut down. Release Plug. Displace w/ 16.75 BBL Fresh water. Shut down. Shut casing in @ 800 PSI. Good Cement Returns to SURFACE = 8 BBL SLURRY. Job Complete. Rig down. 7:30 PM**

Yield 1.35

Cementer **Kevin McCoy**
 Helper **Mike & 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

[Signature]
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
8 SKS	CaCl ₂ 3%	1102	34.00
2.5 SKS	Gel 2%	1118	11.80
1.5 SKS	Floccle 1/4 # per/sk	1107	37.75
RECEIVED			
5 Hrs	80 BBL VAC TRUCK #444 KANSAS CORPORATION COMMISSION	5502 C	75.00
SEP 29 2004			
CONSERVATION DIVISION WICHITA, KS			
1	8 5/8 Cement Basket	4105	235.50
1	8 5/8 x 12 1/4 Centralizer	4132	40.00
1	8 5/8 wooden Plug	4432	46.50
Handling & Dumping			
Plugs	5407 Ton	Mileage	450.00
			Sub Total
			3,135.12
Delivered by Truck No. 439			Discount
Delivered from EUREKA			Sales Tax
Signature of operator <i>[Signature]</i>			Total

CONSOLIDATED OIL WELL SERVICES, INC.

PO Box 103
Eureka, Kansas 67045

Cementing Ticket
and Invoice Number

No. **5522**

Date 5-24-04	Customer Order No.	Sect. 14	Twp. 45	Range 14E	Truck Called Out	On Location	Job Began	Job Completed 11:35 AM
Owner HEARTLAND OIL & GAS, INC.		Contractor GULICK DRILLING			Charge To HEARTLAND			
Mailing Address 6386 EAST LONG CIRCLE NORTH		City ENGLEWOOD			State CO. 80112			
Well No. & Form MCC/AIN # 3-14		Place		County NEMAHA		State KANSAS		
Depth of Well 4090'	Depth of Job Stage 2679' COLLAR	Casing <input checked="" type="radio"/> New <input type="radio"/> Used	Size 5 1/2	Weight 15.50	Size of Hole Amt. and Kind of Cement 7 7/8	Cement Left in casing by	Request Necessity 15'	feet
Kind of Job Stage #2 Longstring					Drillpipe	<input checked="" type="radio"/> Rotary mud <input type="radio"/> Cable	Truck No. 445	

Price Reference No. _____

Price of Job **5401**

Second Stage **675.00**

Mileage **NIC**

Other Charges _____

Total Charges **675.00**

Remarks **Safety Meeting: Rig up to 5 1/2 casing, Pump 30 BBL Pre Flush, 15 BBL Fresh water spacer. MIXED 285 SKS O.W.C. CLASS "A" Cement (6% CAL-SEAL, 2% GEL, 2% CACL2) w/ 1/8 FLOCELE PER/SK (YIELD 1.44) @ 14.4# PER/GAL. SHUT DOWN. Release Plug, (wash up on top of Plug) Displace w/ 64 BBL Fresh water. FINAL Pumping Pressure 750 PSI. Bump Plug to 1650 PSI. Close Stage Collar. Release Pressure. Stage Collar Closed. SHUT CASING IN @ 0 PSI. Good Circulation AT ALL times while Cementing. Job Complete. Rig down.**

Cementor **KEVIN MCCOY**

Helper **MIKE, JUSTIN, TROY**

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
285 SKS	O.W.C. CLASS "A" Cement (6% CAL-SEAL, 2% GEL, 2% CACL2)	11.30	3220.50
2 SKS	FLOCELE 1/8# PER/SK	37.75	75.50
1 GAL	Supersweet BACTERIALSIDE (MIXING WATER)	22.50	22.50
6 GAL	KCL Substitute (Displacement water)	22.00	132.00
2 GAL	FOAMER (PRE FLUSH)	30.00	60.00
3 HRS	80 BBL VAC TRUCK	75.00	225.00
2000 gals	City water	11.25 PER 1000	22.50
RECEIVED KANSAS CORPORATION COMMISSION 5502 C 1123 SEP 29 2004			
CONSERVATION DIVISION WICHITA, KS			
Ticket # 5521			
1 5 1/2 Closing Plug. INCLUDED IN PRICE OF STAGE COLLAR			NIC
Plugs	5407 TON	Mileage	450.00
Delivered by Truck No. 439 442		Sub Total	4,883.00
Delivered from EUREKA		Discount	
Signature of operator <i>[Signature]</i>		Sales Tax	
		Total	

CONSOLIDATED OIL WELL SERVICES, INC

PO Box 103
Eureka, Kansas 67045

Contracting Ticket
and Invoice Number

No. 5521

Date 5-24-04	Customer Order No.	Secl. 14	Twp. 45	Range 14E	Truck Called Out	On Location	Job Began	Job Completed 8:10 AM
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 MCCLAIR # 3-14		Place Nemaha			State KANSAS			
Depth of Well 4090'	Depth of Job 3965'	Casing (New) Size 5 1/2 Weight 15.50	Size of Hole Amt. and Kind of Cement 7 7/8 160 SKS		Cement Left in casing by	Request (Necessity) 46' feet		
Kind of Job Stage #1 Longstring P.B.T.D 3919 @ 2679		Drillpipe		(Rotary) mud		Truck No. 445		

Price Reference No. _____
 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. Pump 20 BBL Pre Flush, 15 BBL WATER SPACER. MIXED 160 SKS O.W.C. CLASS "A" Cement 6% CAL-SEAL, 2% GEL, 2% CACL2 1/4" Flocele PER/SK (Yield 1.44) @ 14.4" PER/GAL. WASH OUT PUMP & LINES. SHUT DOWN. Release Plug. Displace w/ 93.3 BBL FRESH WATER. FINAL Pumping Pressure 700 PSI. Bump Latch down Plug to 1600 PSI. Release Pressure, Floats Held. Drop Trip Bomb. WAIT 15 minutes. Pressure to 1000 PSI. Stage Collar opened. Pump 5 Bbl water @ 5 BPM @ 200 PSI. Shut down. Rig up to mud Pump. Circulate w/ mud Pump. Stage #1 Complete.

Cementer KEVIN MCCOY
 Helper MIKE, 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 Joyce A R Agent of contractor or operator

Sales Ticket for Materials Only

Quantity Sacks	BRAND AND TYPE	PRICE	TOTAL
160 SKS	O.W.C. CLASS "A" Cement (6% CAL-SEAL, 2% GEL, 2% CACL2)	11.36	1808.00
1 1/2 SKS	Flocele 1/4" PER/SK	1107	56.62
1 GAL	Supersweet BACTERIALSIDE (Mixing water)	1305	22.50
3 GAL	KCL Substitute (Displacement water)	1315	22.00
2 GAL	FOAMER (Pre Flush)	1238	30.00
6 HRS	80 BBL VAC TRUCK	75.00	450.00
3000 gals	CITY WATER	11.25 PER 100.0	33.75
1	5 1/2 Cement Basket	4104	130.00
1	5 1/2 FLOAT COLLAR	4178	215.00
1	5 1/2 Guide Shoe	4203	102.00
19	5 1/2 x 7 7/8 CENTRALIZERS	4130	28.00
1	5 1/2 Stage Collar w/ Plugs	4277	2,300.00
Plugs	5407 TON Mileage		450.00
	Sub Total		6,900.87
	Discount		
	Sales Tax		
	Total		

RECEIVED
 KANSAS CORPORATION COMMISSION 5502 C
 SEP 29 2004
 CONSERVATION DIVISION
 WICHITA, KS

Delivered by Truck No. 440
 Delivered from EUREKA
 Signature of operator Kevin McCoy