

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1  
September 1999  
Form Must Be Typed

**ORIGINAL**

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>7/16/04</u>	<u>7/18/04</u>	<u>10/3/04</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 131-20191-0000  
 County: Nemaha  
 \_\_\_\_\_ SW \_\_\_\_\_ NW Sec. 20 Twp. 5 S. R. 14  East  West  
2130 feet from S  (circle one) Line of Section  
630 feet from E  (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 \_\_\_\_\_ (circle one) NE SE  (NW) SW  
 Lease Name: Bohannon Well #: 5-20  
 Field Name: wildcat  
 Producing Formation: Cherokee  
 Elevation: Ground: 1242' Kelly Bushing: 1250'  
 Total Depth: 2710' Plug Back Total Depth: 2639'  
 Amount of Surface Pipe Set and Cemented at 281.7 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) *P4 A KGR 2/15/08*  
 Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls.  
 Dewatering method used evaporation  
 Location of fluid disposal if hauled offsite: \_\_\_\_\_  
 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: William J. Hyatt  
 Title: Consulting Engineer Date: 10/19/04  
 Subscribed and sworn to before me this 14th day of October  
04  
 Notary Public: Crystal Marquez  
 Date Commission Expires: \_\_\_\_\_ My Commission Expires 02/05/2005

**KCC Office Use ONLY**

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

**RECEIVED**  
**OCT 18 2004**  
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Operator Name: Heartland Oil and Gas, Inc. Lease Name: Bohannon Well #: 5-20  
 Sec. 20 Twp. 5 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 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:  <b>Dual Induction</b> <b>Dual Compensated Porosity</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum  Marmaton 1715' Cherokee 1870' Mississippian 2656'  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#	281.7'	Class A	145	2% gel, 3% CaCl
Production	7 7/8"	5 1/2"	15.5#	2686.8'	Class A	170	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	2295' - 2296', 2302' - 2304', 2311' - 2313', 2346' - 2348', 2362' - 2364', 2377' - 2379', 2399' - 2401', 2428' - 2430'	1200 gal 15% HCL	2295' - 2430'
		1103 bbls fluid & 62,856 # sand	

TUBING RECORD		Size <u>2 3/8"</u>	Set At <u>2396'</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>10/3/04</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. <u>21</u>	Gas-Oil Ratio <u>NA</u>	Gravity <u>NA</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 \_\_\_\_\_

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CONSOLIDATED OIL WELL SERVICES INC.  
 211 W. 14TH STREET, CHANUTE, KS 66620  
 620-431-9210 OR 800-467-8676

TICKET NUMBER 1361  
 LOCATION Eureka  
 FOREMAN Brad Butler

TREATMENT REPORT & FIELD TICKET  
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-18-04		Bohannon 5-20	20	5S	14E	Nemaha
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Heartland Oil & Gas, Inc.			496	Rick		
MAILING ADDRESS			439	Alan		
6286 East Long Circle North			437	Jim		
CITY	STATE	ZIP CODE				
Englewood	CO	80112				

Gulick Drilling  
 JOB TYPE LongString HOLE SIZE 7 7/8" HOLE DEPTH 2712' CASING SIZE & WEIGHT 5 1/2" - 15.5 lb.  
 CASING DEPTH 2690' DRILL PIPE PBTD 2644' OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.4 lb. SLURRY VOL 44 Bbls WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 46'  
 DISPLACEMENT 63 Bbls DISPLACEMENT PSI 600 Landed Plug 1100 PSI RATE 4 BPM

REMARKS: Safety Meeting: Rig up to 5 1/2" casing, break circulation with fresh water. Pumped 20 Bbls Metasilicate PreFlush, followed with 15 Bbl water Spacer. Mixed 170 SKS O.W.C. (Class A cement, 6% CAL-SEAL, 2% Gel, 2% CACL2) with 1/4 lb. P/SK of Flocele at 14.4 lbs. P/GAL (yield 1.44) Shut down washed out pump & lines - Release Plug - Displace Plug with 63 Bbls KCH water. Final pumping at 600 PSI - Bumped Plug to 1100 PSI, wait 2 min. - Release Pressure Float Held - Close casing in with 2 PSI - Landed Plug at 9:45 pm. Recirculate casing during Displacement of Plug - we had good circulation during cementing Procedure. Job complete - Tear down

"Thank you"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	710.00	710.00
	0	MILEAGE		M/L
1126	170 SKS	O.W.C. (Class A cement, 6% CAL-SEAL, 2% Gel, 2% CACL2)	11.85	2014.50
1107	2 SKS	Flocele 1/4 lb. P/SK	40.00	80.00
1205	1 GAL	Super Sweet Bactericide (Mixing water)	23.65	23.65
1215	6 GAL	KCH Substitute (Displacement water)	23.10	138.60
1238	2 GAL	Foamer (PreFlush)	31.50	63.00
5502 C	6 Hrs	80 Bbl. VAC Truck	78.00	468.00
4203	1	5 1/2" Guide Shoe	102.00	102.00
4178	1	5 1/2" Float Collar	215.00	215.00
4130	15	5 1/2" Centralizers	28.00	420.00
4406	1	5 1/2" Top Rubber Plug	40.00	40.00
5407 A		Ton Mileage		450.00

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AUTHORIZATION [Signature] TITLE Co. Rep.  
 SALES TAX 6.3% ESTIMATED TOTAL 4,905.65  
 DATE 7/18/04