

**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 # 5259  
 Name: Mai Oil Operations, Inc.  
 Address: P.O. Box 33  
 City/State/Zip: Russell, Ks. 67665  
 Purchaser: NCRA  
 Operator Contact Person: Allen Bangert  
 Phone: (785) 483-2169  
 Contractor: Name: Express Well Service  
 License: 6426  
 Wellsite Geologist: N/A

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: Production Drilling  
 Well Name: Cowgill #1  
 Original Comp. Date: 12-25-59 Original Total Depth: 3795'  
 \_\_\_ 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>8-16-05</u>	<u>8-19-05</u>	<u>9-26-05</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 163-00920-00-01  
 County: Rooks  
SW NE SW Sec. 16 Twp. 10 S. R. 20  East  West  
1650 feet from (S) N (circle one) Line of Section  
1650 feet from E (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE NW SW  
 Lease Name: Towns 7 Well #: Cowgill #1  
 Field Name: Marcotte  
 Producing Formation: Arbuckle  
 Elevation: Ground: 2222' Kelly Bushing: \_\_\_  
 Total Depth: 3800' Plug Back Total Depth: 3800'  
 Amount of Surface Pipe Set and Cemented at 250' Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set \_\_\_\_\_ Feet  
 If Alternate II completion, cement circulated from Exemption requested  
 feet depth to \_\_\_\_\_ sx cmt.

ALT2 EXEMPT. - Wg - 10/7/08  
**Drilling Fluid Management Plan**  
 (Data must be collected from the Reserve Pit)  
 Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
 Dewatering method used \_\_\_\_\_  
 Location of fluid disposal if hauled offsite: **RECEIVED**  
 Operator Name: **RECEIVED**  
 Lease Name: SEC 15 2005 License No.: 3  
 Quarter 6 Sec. 16 Twp. 10 S. R. 20 East  West  
**KCC WICHITA** County: **KCC WICHITA** 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: Allen Bangert  
 Title: Prod Supt. Date: 12-14-05

Subscribed and sworn to before me this 14 day of December,  
 2005.

Notary Public: Brenda Hall  
 Date Commission Expires: 3-21-09

**KCC Office Use ONLY**

No Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 \_\_\_ Wireline Log Received  
 \_\_\_ Geologist Report Received  
 \_\_\_ UIC Distribution

**NOTARY PUBLIC - State of Kansas  
BRENDA HALL  
My Appt. Exp. 3-21-09**

Operator Name: Mai Oil Operations, Inc. Lease Name: Towns Well #: Cowgill #1  
 Sec. 16 Twp. 10 S. R. 20  East  West County: Rooks

**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 type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input 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:  <b>Bond Log</b>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum  Same as before
--	---

CASING RECORD <input type="checkbox"/> New <input checked="" 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		8 5/8"		250'			
Production		4 1/2"		3774'			

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 <i>(Amount and Kind of Material Used)</i>	Depth
		<b>RECEIVED</b>  <b>DEC 15 2005</b>  <b>KCC WICHITA</b>	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8"	3770'		
Date of First, Resumerd Production, SWD or Enhr.		Producing Method		
11-28-05		<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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
	6		50	

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 3774-3800'

# Mai Operations

P. O. BOX 33

RUSSELL, KANSAS 67665



12-08-05

TO: HERB DEINES  
KANSAS CORPORATION COMMISSION

FROM: ALLEN BANGERT  
MAI OIL OPERATIONS, INC.

RE: EXEMPTION TO ALTERNATE II SURFACE CASING RULE  
TOWNS-COWGILL #1  
SW-NE-SW SEC. 16-10-20W ROOKS CO.

PLEASE FIND ENCLOSED A BOND LOG COVERING THE SECTION FROM 1650' TO SURFACE ON THE TOWNS-COWGILL #1. FROM THE LOG IT APPEARS THAT THERE IS CEMENT FROM 1650' INTO THE SURFACE PIPE @ 260'. MAI OIL OPERATIONS, INC. REQUESTS AN EXEMPTION TO THE ALTERNATE II CEMENTING RULE BASED UPON THE BOND LOG INFORMATION.

RECEIVED  
DEC 15 2005  
KCC WICHITA

SINCERELY,  
*Allen Bangert*  
ALLEN BANGERT  
MAI OIL OPERATIONS, INC.

Herb

# KANSAS

CORPORATION COMMISSION

KATHLEEN SEBELIUS, GOVERNOR  
BRIAN J. MOLINE, CHAIR  
ROBERT E. KREHBIEL, COMMISSIONER  
MICHAEL C. MOFFET, COMMISSIONER

December 21, 2005

Mr. Allen Bangert  
Mai Operations  
P.O. Box 33  
Russell, Kansas 67665

Ref: Exception to Table I – Surface Pipe / Alternate II Cementing  
Towns-Cowgill No. 1  
SE-NE-SW 16-10-20W  
API No. 15-163-00920-00-01  
Rooks County, Kansas

RECEIVED  
KANSAS CORPORATION COMMISSION

OCT 07 2008

CONSERVATION DIVISION  
WICHITA, KS

Dear Mr. Bangert:

By your letter dated December 8, 2005 you requested an exception to surface pipe cementing requirements for the above referenced well. Alternate II requirements for wells located in the area of the Towns-Cowgill No. 1 requires surface pipe sufficient to protect all unconsolidated material and cement protection for the long string casing from 20 feet below the Dakota formation back to surface.

In support of this request for an exception Mai Operations provides information in the form of a cement bond survey conducted at the well on August 23, 2005 following washdown operations. In addition KCC District IV staff has provided information from cementing operations conducted when the well was originally completed in 1959 and cementing records from plugging operations conducted in 1998.

KCC District IV field staff and KCC Production Department technical staff have reviewed this information and have concluded that the cement information and bond log survey shows that while there is not complete cement coverage from the base of the Dakota to surface as required under regulation there is sufficient evidence to support adequate coverage by cement to protect fresh and usable water resources within that interval. Based on that recommendation, an

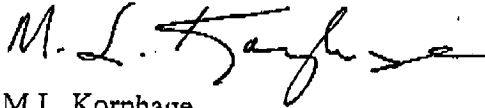
KCC  
DEC 22 2005  
HAYS, KS

exception to surface pipe / alternate II cementing requirements as allowed under K.A.R. 82-3-106 is therefore granted.

You are still required to submit a completed well completion report (ACO-1 Form) with all the appropriate supporting material required under applicable KCC regulations.

Should you have any questions with regard to any of the afore mentioned matters please contact Mr. Dave Williams of our Production Department at 316-337-6218.

Sincerely,



M.L. Korphage  
Director, Conservation Division  
Kansas Corporation Commission

CC: Dave Williams, Supervisor Production Department  
~~Bob Deane~~, Supervisor, KCC District IV Field Office  
File

RECEIVED  
KANSAS CORPORATION COMMISSION

**OCT 07 2008**

CONSERVATION DIVISION  
WICHITA, KS

**KANSAS CORPORATION COMMISSION  
DISTRICT #4 OFFICE  
2301 EAST 13<sup>TH</sup>  
HAYS, KANSAS**

RECEIVED  
KANSAS CORPORATION COMMISSION

**OCT 07 2008**

CONSERVATION DIVISION  
WICHITA, KS

**Date:** 10-7-08

**Please Deliver the Following Pages(s) to:**

---

**Receiver:**

Deanna

**If you do not receive  
all of the pages,  
please notify us as  
soon as possible.**

**Sender:** Pat Bedore

**Sender Voice Phone  
Number:  
785-625-0550**

---

**Total Number of Pages  
Including Cover Page:**

3

**Sender Fax Number:  
785-625-0564**

---

**We are transmitting  
From a BROTHER  
INTELLIFAX 4750e**

**COMMENTS:**

**Thank You**