



KANSAS CORPORATION COMMISSION 1093979  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # 34658  
Name: Arrington CJM, Inc.  
Address 1: 300 Houston Ave.  
Address 2: PO BOX 608  
City: CANADIAN State: TX Zip: 79014 +  
Contact Person: Ed Culver  
Phone: ( 806 ) 323-5366  
CONTRACTOR: License # 30606  
Name: Murfin Drilling Co., Inc.  
Wellsite Geologist: Kurt Talbot  
Purchaser: \_\_\_\_\_

Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     WSW     SWD     SIOW  
 Gas     D&A     ENHR     SIGW  
 OG     GSW     Temp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic     Other (Core, Expl., 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     Conv. to SWD  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_  
04/26/2012    04/30/2012    07/24/2012  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 15-063-21977-00-00  
Spot Description: \_\_\_\_\_  
       -        - SW-SW Sec. 7 Twp. 14 S. R. 28  East  West  
660 Feet from  North /  South Line of Section  
660 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Gove  
Lease Name: HBFB Well #: 1-7  
Field Name: Mabel L  
Producing Formation: Mississippian  
Elevation: Ground: 2666 Kelly Bushing: 2677  
Total Depth: 4457 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 304 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 2301 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)  
Chloride content: 2000 ppm Fluid volume: 600 bbls  
Dewatering method used: Evaporated  
Location of fluid disposal if hauled offsite:  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

I am the affiant and I hereby certify that 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.

Submitted Electronically

**KCC Office Use ONLY**

Letter of Confidentiality Received  
Date: 09/19/2012

Confidential Release Date: \_\_\_\_\_

Wireline Log Received

Geologist Report Received

UIC Distribution

ALT  I  II  III Approved by: NAOMI JAMES Date: 09/24/2012



1093979

Operator Name: Arrington CJM, Inc. Lease Name: HBFB Well #: 1-7  
 Sec. 7 Twp. 14 S. R. 28  East  West County: Gove

**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 complete 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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:  <small>induction/gr density neutron microlog</small>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Heebner</td> <td>3779</td> <td>-1102</td> </tr> <tr> <td>Marmaton</td> <td>4156</td> <td>-1479</td> </tr> <tr> <td>Cherokee</td> <td>4341</td> <td>-1664</td> </tr> </table>	Name	Top	Datum	Heebner	3779	-1102	Marmaton	4156	-1479	Cherokee	4341	-1664
Name	Top	Datum											
Heebner	3779	-1102											
Marmaton	4156	-1479											
Cherokee	4341	-1664											

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	12.25	8.625	24	304	class A	220	2% gel
production	7.875	5.5	15.5	4395	ASCA	635	5# gilsonite

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD	-			
___ 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

TUBING RECORD:      Size:      Set At:      Packer At:      Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR.      Producing Method:  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

Estimated Production Par 24 Hours	Oil    Bbls.	Gas    Mcf	Water    Bbls.	Gas-Oil Ratio	Gravity
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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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**JAMES C. MUSGROVE**

Petroleum Geologist  
212 Main Street  
P.O. Box 215  
Clifton, KS 67525

Office (620) 588-4250

Res. Clifton (620) 587-3444

Arrington CJM Inc.  
HBFB #1-7  
660' FSL & 660' FWL  
Section 7-14s-28w  
Gove County, Kansas  
Page 1

**5 1/2" Production Casing Set**

**Contractor:** Murfin Drilling Co. (Rig #2)  
**Commenced:** April 26, 2012  
**Completed:** April 30, 2012  
**Elevation:** 2677' K.B; 2675' D.F; 2666' G.L.  
**Casing program:** Surface; 8 5/8" @ 304'  
Production; 5 1/2" @ 4395'  
**Sample:** Samples saved and examined 3400' to the Rotary Total Depth.  
**Drilling time:** One (1) foot drilling time recorded and kept 3400 ft to the Rotary Total Depth.  
**Measurements:** All depths measured from the Kelly Bushing.  
**Drill Stem Tests:** None.  
**Electric Log:** By Halliburton; Array Compensated Resistivity Log Dual Spaced Neutron Spectral Density and Micro.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	2118	+559
Base Anhydrite	2153	+524
Heebner	3779	-1102
Toronto	3799	-1122
Lansing	3819	-1142
Stark Shale	4057	-1380
Base Kansas City	4113	-1438
Marmaton	4156	-1479
Pawnee	4224	-1547
Ft Scott	4311	-1634
Cherokee Shale	4341	-1664
Rotary Total Depth	4398	-1719
Log Total Depth	4381	-1704

(All tops and zones corrected to Electric Log measurements).

**SAMPLE ANALYSIS SHOWS OF OIL TESTING DATA, ETC.**

**TOPEKA SECTION**

There are several zones of well-developed porosity encountered in the drilling of the Topeka Section but no shows of oil and/or gas was noted. (See attached Sample Log).

**TORONTO SECTION**

3799-3810' Limestone; cream, tan, finely oolitic, scattered fossil fragments, poor visible porosity, no shows.

**LANSING SECTION**

3819-3828' Limestone; cream, tan, finely crystalline, few oolitic, plus white boney chert.

3821-3830' Limestone; cream, tan, fine and medium crystalline, few cherty, no shows.

3853-3866' Limestone; white, cream, finely crystalline, chalky, few cherty, scattered pinpoint porosity, no shows.

3873-3888' Limestone; white, cream, oolitic, poor porosity, chalky, no shows.

3910-3920' Limestone; cream, tan, finely crystalline, oolitic, scattered intercrystalline and vuggy type porosity, chalky in part, no shows.

3926-3940' Limestone; cream, white, finely crystalline, poor developed vuggy type porosity, chalky, no shows.

3983-3998' Limestone; cream, white and tan, finely crystalline, poorly developed porosity, trace dark brown stain, no free oil and no odor in fresh samples.

4014-4026' Limestone; white, cream, tan, finely crystalline, slightly cherty, few chalky, no shows.

4038-4049' Limestone; white, cream, finely crystalline, poor pinpoint type porosity, spotty dark brown stain, no free oil and no odor.

4069-4084' Limestone; cream, gray, finely crystalline, few cherty, poor visible porosity, no shows.

4110-4121' Limestone; cream, gray, oolitic, sub oomoldic, poorly developed porosity, trace light brown stain, no free oil and no odor in fresh samples.

**MARMATON SECTION**

4156-4166' Limestone; tan, gray, finely crystalline, slightly chalky, dense.

4180-4199' Limestone; as above, scattered porosity, no shows.

4206-4240' Limestone; cream, tan, finely crystalline, oolitic, poor porosity, chalky, no shows.

**PAWNEE SECTION**

4224-4230' Limestone; cream, tan, finely crystalline, poor pinpoint porosity, slightly dark brown and golden brown stain, trace free oil and no odor in fresh samples.

4230-4260' Limestone; cream, tan, finely crystalline, finely oolitic, poor pinpoint type porosity, brown stain, trace of free oil and no odor in fresh samples.

Arrington CJM Inc.  
HBFB #1-7  
660' FSL & 660' FWL  
Section 7-14e-28w  
Gove County, Kansas  
Page 3

**MYRICK SECTION**

4284-4300' Limestone; gray, buff, finely crystalline, few cherty, dense.

**FT SCOTT SECTION**

4311-4334' Limestone; tan, gray, poorly developed porosity, no shows.

**CHEROKEE SECTION**

4354-4366' Limestone; buff, gray, finely crystalline, dense, few cherty.

4390-4396' Limestone; tan, buff, light gray, poorly developed porosity, no shows.

Rotary Total Depth      4396  
Log Total Depth        4381

**Remarks:**

Per operator recommendation, the HBFB #1-7 was drilled to the Rotary Total Depth of 4396, no Mississippian Section was encountered and the HBFB #1-7 was TD in the Cherokee Section.

Respectfully submitted;

*Kurt Talbott*

Kurt Talbott,  
Petroleum Geologist





Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

September 19, 2012

Ed Culver  
Arrington CJM, Inc.  
300 Houston Ave.  
PO BOX 608  
CANADIAN, TX 79014

Re: ACO1  
API 15-063-21977-00-00  
HBFB 1-7  
SW/4 Sec.07-14S-28W  
Gove County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Ed Culver



Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
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September 19, 2012

Ed Culver  
Arrington CJM, Inc.  
300 Houston Ave.  
PO BOX 608  
CANADIAN, TX 79014

Re: ACO-1  
API 15-063-21977-00-00  
HBFB 1-7  
SW/4 Sec.07-14S-28W  
Gove County, Kansas

Dear Ed Culver:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 04/26/2012 and the ACO-1 was received on September 19, 2012 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department