



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

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 #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

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: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1093979

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 Wire-line 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 type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input 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

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 Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <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) _____	PRODUCTION INTERVAL: _____ _____
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JAMES C. MUSGROVE

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

Office (620) 588-4250

Res. Claflin (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	-1436
Marmaton	4156	-1479
Pawnee	4224	-1547
Ft Scott	4311	-1634
Cherokee Shale	4341	-1664
Rotary Total Depth	4396	-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.

4190-4199' 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.

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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

ARRINGTON CJM II

HADAWAY CONSULTING & ENGINEERING, LLC

Casing/Cement Detail

Well Name:	HBFB #1-7	Date:	5/2/2012
MD (ft):	4396	PV/YP	/
TVD (ft):	4396	API W.L.	
Hole Size (in)	7.875	Gel Strength	/
Mud Weight (ppg)		BHT (deg. F)	
Casing Detail:			THDS OFF TALLY CSG DEL TO LOC 4598.10
			NUMBER OF JTS DEL TO LOC 110
			JTS LEFT OUT 5
			JTS RUN 105

**Bottom to Top
Weight**

Size (OD)	Length	No. of Jts	(Lb/Ft)	Grade	Conn.	Drift	Description
5.5	4.00		15.5	J-55	LTC	4.825	IR basket shoe at 4392'
5.5	20.85	1	15.5	J-55	LTC	4.825	SHORT JT
5.5			15.5	J-55	LTC	4.825	LATCH & PLUG @ 4371
5.5	2066.94	49	15.5	J-55	LTC	4.825	CASING
5.5	3.00		15.5	J-55	LTC	4.825	DV TOOL @ 2301
5.5	2299.41	55	15.5	J-55	LTC	4.825	CASING

	105	TOTAL No. of Joints
4394.20		TOTAL PIPE RUN IN HOLE
2.00		LESS LANDING JT - Ft above KB
4392.20		TOTAL SETTING DEPTH - KB

Centralizers/Scratchers/Other

Type: 12 CENTS
Placement: EVERY 4th JT UP TO 2100'

Cementing Detail:

Cementing Company: ALLIED

Description	Type cmt	Sxs	Wt. (ppg)	Yield (cf/sk)
LEAD	ASCA	210	14.60	1.56
2nd STAGE	ASC	425	13.00	1.76

Cement Job Details & Cement Additives

PUMPED 500 GALS SUPER FLUSH CEMENT 1st STAGE WITH 210 SKS ASCA + 5 LBS GILSONITE + .003% FL-160 + DEFOAMER STOP PUMPS DROP PLUG & DISPLACE @ 5 BBLS A MIN WITH 55 BBLS WATER & 50 BBLS MUD LAND PLUG WITH 1500 PSI & DROP DV BOMB OPEN TOOL @ 800 PSI & CIRC 4 HRS PERP FOR 2nd STAGE CEMENT 2nd STAGE W/ 425 SKS 60/40 POZ 8%GEL .25 LBS. FLO-SEAL PER SACK STOP PUMP DROP PLUG DISPLACE @ 5 BBLS A MIN WITH 55 BBLS WATER LAND PLUG W/ 1800 PSI (CIRCULATE 5 BBLS BACK TO SURF.) (DV TOOL @ 2301)

BBLs:	105	BBLs:	55
Type Fluid:	WATER & MUD	Type Fluid:	WATER
Weight (ppg):	8.3	Weight (ppg):	8.3
Rate (bpm):	5.00	Rate (bpm):	5
Pressure (psig):	1000	Pressure (psig):	500
Bump Plug (Y/N):	LAND PLUG	Bump Plug (Y/N):	YES
w/ (psig):	1500	w/ (psig):	1800
Returns Throughout Job (Full, Partial, None)	FULL	Returns Throughout Job (Full, Partial, None)	FULL
Barrels Cement to Surface		Barrels Cement to Surface	5

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
Wichita, KS 67202-3802



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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