KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1093995

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:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [ ] Gas
- [ ] OG
- [ ] CM *(Coal Bed Methane)*
- [ ] Cathodic
- [ ] WSW
- [ ] D&A
- [ ] SWD
- [ ] ENHR
- [ ] GSW
- [ ] Other *(Core, Expl., etc.)*:
- [x] SIOW
- [ ] SIGW
- [ ] Temp. Abd.

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 #:

04/18/2012	04/23/2012	07/13/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-063-21976-00-00
Spot Description:
N2 - S2 - SE - SW Sec. 35 Twp. 13 S. R. 29 [ ] East [x] West
460 Feet from [ ] North / [x] South Line of Section
1980 Feet from [ ] East / [x] West Line of Section

Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [ ] SE [x] SW

County: Gove
Lease Name: Briggs Well #: 1-35
Field Name: Hoffsmith
Producing Formation: Mississippian
Elevation: Ground: 2784 Kelly Bushing: 2795
Total Depth: 4580 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 304 Feet
Multiple Stage Cementing Collar Used? [x] Yes [ ] No
If yes, show depth set: 2262 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

- [x] **Letter of Confidentiality Received**
  Date: 09/19/2012
- [ ] **Confidential Release Date:** _____
- [x] **Wireline Log Received**
- [x] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** NAOMI JAMES **Date:** 09/24/2012

Side Two

1093995

Operator Name: Arrington CJM, Inc. Lease Name: Briggs Well #: 1-35

Sec. 35 Twp. 13 S. R. 29 ☐ 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 Wire-line 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

Electric Log Submitted Electronically ☐ Yes ☑ No
(If no, Submit Copy)

List All E. Logs Run:

induction/gr
density neutron
microlog

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Heebner	3876	-1081
Lansing	3913	-1118
Cherokee	4442	-1647

CASING RECORD ☑ New ☐ 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	Standard ASCA	185	2% gel
Production	7.875	5.5	15.5	4494	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 *(Amount and Kind of Material Used)*	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

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

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.
Briggs #1-35
N/2-S/2-SE-SW
(460' FSL & 1980' FWL)
Section 35-13s-29w
Gove County, Kansas

5 ½" Production Casing Set

Contractor: Murfin Drilling Co. (Rig #2)

Commenced: April 26, 2012

Completed: April 30, 2012

Elevation: 2795' K.B; 2793' D.F; 2784' G.L.

Casing program: Surface; 8 5/8" @ 304'
Production; 5 ½" @ 4494'

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: There was one (1) DST by Trilobite Testing Co.

Electric Log: By Halliburton; Array Compensated Resistivity Log and Spectral Density, Dual Spaced Neutron Log.

Formation	Log Depth	Sub-Sea Datum
Anhydrite	2250	+545
Base Anhydrite	2284	+511
Heebner	3876	-1081
Toronto	3900	-1105
Lansing	3913	-1118
Stark Shale	4152	-1357
Base Kansas City	4215	-1420
Marmaton	4246	-1451
Pawnee	4323	-1528
Ft Scott	4410	-1615
Cherokee	4442	-1647
Rotary Total Depth	4494	-1699
Log Total Depth	4470	-1675

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

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

TOPEKA SECTION

There were no shows of oil and/or gas noted in Topeka Section (see attached Sample Log).

TORONTO SECTION

3900-3910' Limestone; cream, white, finely crystalline, poor visible porosity, chalky in part.

LANSING SECTION

3913-3937' Limestone; white, cream, finely crystalline, finely oolitic, chalky, no shows.

3949-3960' Limestone; white, chalky, poor porosity, plus white to gray, boney chert.

3970-3978' Limestone; white, cream, finely crystalline, finely oolitic, chalky, no shows.

3991-4000' Limestone; cream, gray, finely crystalline, poor to fair intercrystalline type porosity, brown stain, fair to good show of free oil and no odor in fresh samples.

4012-4016' Limestone; tan, light gray, finely crystalline, poor to fair intercrystalline type porosity, light brown stain, show of free oil and no odor in fresh samples.

Drill Stem Test #1 3980-4008'

Times: **30-30-30-45**

Blow: **Weak**

Recovery: **7' mud cut oil**
(60% oil, 40% mud)
55' slightly oil cut mud
(3% oil, 97% mud)

Pressures:

ISIP	**993**	**psi**
FSIP	**1008**	**psi**
IFP	**24-40**	**psi**
FFP	**43-54**	**psi**
HSH	**1979-1939**	**psi**

4021-4030' Limestone; cream, white, finely crystalline, oomoldic, scattered oomoldic and pinpoint porosity, brown stain, trace of free oil and faint odor in fresh samples.

4040-4050' Limestone; tan, cream, finely crystalline, scattered porosity, trace light stain, no show of free oil and no odor, few cherty.

4061-4066' Limestone; tan, buff, finely scattered porosity, no shows.

4080-4086' Limestone; tan, white, finely crystalline, few cherty, scattered vuggy trace stain, trace of free oil and no odor in fresh samples.

4110-4122' Limestone; tan, cream, finely crystalline, scattered fair vuggy type porosity, dark brown stain, trace of free oil and faint odor in fresh sample.

4133-4150'	Limestone; tan, gray, finely crystalline, slightly cherty, poor porosity, golden brown stain, trace of free oil and faint odor in fresh samples.
4169-4180'	Limestone; tan, gray, fossiliferous, loose fossil fragments, poor porosity, golden brown to dark brown stain, trace of free oil and no odor in fresh samples.
4196-4210'	Limestone; gray, fossiliferous, chalky, scattered porosity, no shows.

MARMATON SECTION

4246-4256'	Limestone; tan, finely crystalline, cherty, poor porosity, no shows.
4286-4296'	Limestone; cream, tan, finely crystalline, chalky, poor visible porosity, no shows.
4302-4310'	Limestone; tan, cream, finely crystalline, poor intercrystalline porosity, trace black stain, no free oil and no odor.

PAWNEE SECTION

4323-4340'	Limestone; cream, tan, finely oolitic, poor visible porosity, chalky, no shows.
4340-4366'	Limestone; tan, cream, chalky, few cherty (dense).

MYRICK SECTION

4378-4384'	Limestone; tan, cream, finely crystalline, slightly dolomitic, poor to fair intercrystalline type porosity, light brown stain, no free oil and no odor in fresh samples.

FT SCOTT SECTION

4410-4442'	Limestone; buff, gray, finely crystalline, poorly developed porosity, no shows.

CHEROKEE SECTION

4446-4456'	Limestone; cream, buff, gray, dense.
4486-4494'	Limestone; tan, buff, gray, cherty (dense).

Rotary Total Depth	**4470 (-1699)**
Log Total Depth	**4494 (-1675)**

Remarks:
Per operator recommendation, the Briggs #1-35 was drilled to the Rotary Total Depth of 4494, no Mississippian Section was encountered, and the Briggs #1-35 had 5 ½" production casing set and cemented at 4493' (Cherokee Section).

Respectfully submitted;

Kurt Talbott

Kurt Talbott,
Petroleum Geologist

ARRINGTON CJM I HADAWAY CONSULTING & ' INEERING, LLC

Casing/Cement Detail

Well Name: BRIGGS #1-35 Date: 4/24/2012

MD (ft):	4494	PV/YP	28/18
TVD (ft):	4494	API W.L.	5.6
Hole Size (in)	7.875	Gel Strength	8/21
Mud Weight (ppg)	9.1	BHT (deg. F)	

THDS OFF TALLY CSG DEL TO LOC
4932.82
NUMBER OF JTS DEL TO LOC
118
JTS LEFT OUT
11
JTS RUN
107

Casing Detail:

Bottom to Top

Size (OD)	Length	No.of Jts	Weight (Lb/Ft)	Grade	Conn.	Drift	Description
5.5	4.00		15.5	J-55	LTC	4.825	IR BASKET SHOE
5.5	21.23	1	15.5	J-55	LTC	4.825	CASING SHORT JT
5.5			15.5	J-55	LTC	4.825	LATCH RING @ 4480'
5.5	2235.25	53	15.5	J-55	LTC	4.825	CASING
5.5	2.00		15.5	J-55	LTC	4.825	DV TOOL @ 2262
5.5	2233.28	53	15.5	J-55	LTC	4.825	CASING
		107	TOTAL No. of Joints				
	4495.76	TOTAL PIPE RUN IN HOLE					
	2.00	LESS LANDING JT - Ft above KB					
	4493.76	TOTAL SETTING DEPTH - KB					

Centralizers/Scratchers/Other

Type: 12 CENTRALIZERS USED
Placement: EVERY 4TH JT UP TO 2100

Cementing Detail:

Cementing Company: ALLIED

Description	Type cmt	Sxs	Wt. (ppg)	Yield (cf/sk)	
LEAD 1 ST STAGE	CLASS ASCA	210	14.50	1.57	
2nd STAGE	CLASS (ALW) 60/40	425	12.50	1.90	

Cement Job Details & Cement Additives

CEMENT 1st STAGE SUPER FLUSH 500 GALS WFR2 (210 SKS CLASS ASCA 5#SX GILSONITE, .003 % F1160 DEFOAMER. DISPLACED WITH 52.5 BBLS WATER AND 55.5 BBLS MUD. LAND PLUG W/ 2300 PSI DROP DV BOMB OPEN DV TOOL W/ 800 PSI / 2nd STAGE 425 SKS OF ALW 60/40 8% GEL .25# SX FLO SEAL DISPLACED WITH 60 BBLS WATER BUMP PLUG W/ 1800 PSI PLUG DOWN @ 9:30pm

BBLS:	108	BBLS:	60
Type Fluid:	H20/MUD	Type Fluid:	H20
Weight (ppg):	8.33	Weight (ppg):	8.33
Rate (bpm):	3.50	Rate (bpm):	5
Pressure (psig):	1500	Pressure (psig):	500
Bump Plug (Y / N):	LAND PLUG	Bump Plug (Y / N):	YES
w/ (psig):	2300	w/ (psig):	1800
Returns Throughout Job (Full, Partial, None)		Returns Throughout Job (Full, Partial, None)	
FULL		FULL	
Barrels Cement to Surface		Barrels Cement to Surface	20

ARRINGTON CJM HADAWAY CONSULTING & GINEERING, LLC

Casing/Cement Detail

Well Name: BRIGGS #1-35 Date: 4/18/2012

MD (ft):	308	PV/YP	/
TVD (ft):	308	API W.L.	
Hole Size (in)	12.250	Gel Strength	/
Mud Weight (ppg)	8.34	BHT (deg. F)	

THDS OFF TALLY CSG DEL TO LOC
337.19
NUMBER OF JTS DEL TO LOC
8
JTS LEFT OUT
1
JTS RUN
7

Casing Detail:

Bottom to Top

Size (OD)	Length	No.of Jts	Weight (Lb/Ft)	Grade	Conn.	Drift	Description
8.625	306.00	7	24	J-55	STC	7.972	SURFACE CSG

7	TOTAL No. of Joints
306.00	TOTAL PIPE RUN IN HOLE
	LESS LANDING JT - Ft above KB
306.00	TOTAL SETTING DEPTH - KB

Centralizers/Scratchers/Other

Type: 2

Placement: MIDDLE OF BOTTOM JT & JT #4

Cementing Detail:

Cementing Company: ALLIED

Description	Type cmt	Sxs	Wt. (ppg)	Yield (cf/sk)	
LEAD	STANDARD A	185	15.02	1.36	

Cement Job Details & Cement Additives

CEMENT W/ 185 SKS CLASS A 3% CAL 2% GEL .25 POLY FLAK MIXED @ 2.5 BBL A MIN RELEASE PLUG & DISPLACE @ 4.5 BBLS A MIN
DISPLACED 17 BBLS @ 250 P.S.I PLUG DOWN @ 10:30pm SHUT IN HEAD RETURNED 8 BBLS CEMENT TO SURFACE.
PEREFECT DISPLACMENT WAS 18.3 UNDERDISPLACED BY 1.3 BBLS
GOOD JOB. STRAP WELDED FIRST JT AND TACK WELDED THE REST OF THE JTS.

1st Stage Displacement		2nd Stage Displacement	
BBLS:	17	BBLS:	
Type Fluid:	WATER	Type Fluid:	
Weight (ppg):	8.3	Weight (ppg):	
Rate (bpm):	4.00	Rate (bpm):	
Pressure (psig):	250	Pressure (psig):	
Bump Plug (Y / N):	DID NOT BUMB	Bump Plug (Y / N):	
w/ (psig):	250	w/ (psig):	
Returns Throughout Job (Full, Partial, None)		Returns Throughout Job (Full, Partial, None)	
FULL			
Barrels Cement to Surface	8 BBLS	Barrels Cement to Surface	

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

Kansas
Corporation Commission

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

September 19, 2012

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

Re: ACO1
API 15-063-21976-00-00
Briggs 1-35
SW/4 Sec.35-13S-29W
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

Kansas
Corporation Commission

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

September 19, 2012

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

Re: ACO-1
API 15-063-21976-00-00
Briggs 1-35
SW/4 Sec.35-13S-29W
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 04/18/2012 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