

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

2/20/14

Form KCO-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 # 4767
Name: Ritchie Exploration, Inc.
Address 1: P.O. Box 783188
Address 2: _____
City: Wichita State: KS Zip: 67278 + 3188
Contact Person: John Niemberger
Phone: (316) 691-9500
CONTRACTOR: License # 30606
Name: Murfin Drilling Co., Inc.
Wellsite Geologist: Max Lovely
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 #: _____

11/2/11	11/11/11	11/11/11
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 063-21949-00-00
Spot Description: 40' E
W/2_NE_NW_ Sec. 1 Twp. 12 S. R. 31 East West
660 Feet from North / South Line of Section
1,690 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Gove
Lease Name: Van Eaton 10B Well #: 1
Field Name: _____
Producing Formation: _____
Elevation: Ground: 2959 Kelly Bushing: 2969
Total Depth: 4740 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 221 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: 9300 ppm Fluid volume: 700 bbls
Dewatering method used: evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____
County: _____ Permit #: _____

CONFIDENTIAL
RECEIVED
FEB 20 2012
FEB 22 2012

KCC

KCC WICHITA

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.

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.

Signature: _____
Title: Production Manager Date: 2/20/12

KCC Office Use ONLY

Letter of Confidentiality Received
Date: 2/20/12 - 2/20/14
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: WJ Date: 2-24-12

Operator Name: Ritchie Exploration, Inc. Lease Name: Van Eaton 10B Well #: 1
 Sec. 1 Twp. 12 S. R. 31 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Dual Induction Log Compensated Density/Neutron Log	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum SEE ATTACHED
---	--

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	221	common	175	3% cc, 2% gel

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
---	---

Date of First, Resumed Production, SWD or ENHR: _____	Producing Method: <input type="checkbox"/> Flowing <input 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 _____

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: CONFIDENTIAL
---	---	---



#1 Van Eaton 10B

660' FNL & 1690' FWL
 40'E of W/2 NE NW
 Section 10-12S-31W
 Gove County, Kansas
 API# 15-063-21949-0000
 Elevation: 2959' GL: 2969' KB

Sample Tops			Ref. Well
Anhydrite	2470'	+499	-2
B/Anhydrite	2501'	+468	-6
Heebner	3996'	-1027	-10
Lansing	4037'	-1068	-13
Muncie Shale	4178'	-1209	-12
LKC "H"	4196'	-1227	-12
LKC "J"	4247'	-1278	-11
Stark Shale	4261'	-1292	-11
BKC	4328'	-1359	-16
Marmaton	4353'	-1384	-14
Altamont	4380'	-1411	-10
Pawnee	4447'	-1478	-11
Myrick	4491'	-1522	-12
Fort Scott	4512'	-1543	-10
Cherokee Shale	4540'	-1571	-11
Johnson	4585'	-1616	-13
Morrow Sand	N/A		
Mississippian	4607'	-1638	-16
RTD	4740'	-1771	

RECEIVED
 FEB 22 2012
 KCC WICHITA

CONFIDENTIAL
 FEB 20 2014
 KCC

ALLIED CEMENTING CO., LLC. 035276

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Oakley

DATE <u>11-2-11</u>	SEC. <u>10</u>	TWP. <u>12</u>	RANGE <u>231</u>	CALLED OUT	ON LOCATION	JOB START <u>9:00am</u>	JOB FINISH <u>9:20am</u>
LEASE <u>Van Eaton</u>	WELL # <u>103</u>	WELL # <u>1</u>	LOCATION <u>campus 5 1/2 S 1/2 W</u>	COUNTY <u>Gore</u>	STATE <u>Ks</u>		
OLD OR NEW (Circle one) <u>NEW</u>			STW INTO				

CONTRACTOR Muffin 14 OWNER same

TYPE OF JOB surface

HOLE SIZE 12 1/4 TD. 225' CEMENT AMOUNT ORDERED 125 sks com

CASING SIZE 8 5/8 DEPTH 225' 3900 290 gel

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 13,37 ODL

EQUIPMENT

PUMP TRUCK CEMENTER Andrew

422 HELPER Jerry

BULK TRUCK

347 DRIVER JR

BULK TRUCK

DRIVER

COMMON 125 sks @ 16.25 2843.75

POZMIX @

GEL 3 sks @ 21.25 63.75

CHLORIDE 6 sks @ 58.20 349.20

ASC @

@

@

@

@

@

@

@

@

@

@

@

@

HANDLING 184 sks @ 2.25 414.00

MILEAGE 114 sk/mile 2631.2

TOTAL 3933.82

REMARKS:

Cement did circulate

Thank you

CHARGE TO: Ritchie Exploration

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB 225'

PUMP TRUCK CHARGE 1125.00

EXTRA FOOTAGE @

MILEAGE 13 miles x 2 @ 700 181.00

MANIFOLD heads @ 200.00

Light vehicle @ 4.00 104.00

TOTAL 1611.00

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Chris Clark

SIGNATURE Chris Clark

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT

CONFIDENTIAL

IF PAID IN FEB 20 2014

KCC

RECEIVED
FEB 22 2012
KCC WICHITA

ALLIED CEMENTING CO., LLC. 035926

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

EXAK/EX

DATE <u>11-11-11</u>	SEC. <u>10</u>	TWP. <u>12S</u>	RANGE <u>37W</u>	CALLED OUT	ON LOCATION <u>4:30 AM</u>	JOB START <u>8:30 AM</u>	JOB FINISH <u>9:00 AM</u>
LEASE <u>TRN Eades 108</u>	WELL # <u>1</u>	LOCATION <u>CAMPUS 6S-3/4W-S 2nd 6</u>			COUNTY <u>COLE</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR <u>MURFON DILL9 NEG # 14</u>	OWNER <u>SHAME</u>
TYPE OF JOB <u>REPAIR</u>	CEMENT AMOUNT ORDERED <u>220 SKS 60/40 PER 420 SK 1/4 FLO-SEAL</u>
HOLE SIZE <u>7 7/8</u> T.D. <u>4740'</u>	COMMON <u>132 @ 1625 2145⁰⁰</u>
CASING SIZE DEPTH	POZMIX <u>78 @ 850 748⁰⁰</u>
TUBING SIZE DEPTH	GEL <u>8 @ 2125 170⁰⁰</u>
DRILL PIPE <u>4 1/2</u> DEPTH <u>2485'</u>	CHLORIDE @
TOOL DEPTH	ASC @
PRES. MAX MINIMUM	
MEAS. LINE SHOE JOINT	
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

EQUIPMENT

PUMP TRUCK CEMENTER <u># 423-291 TERRY</u>	
HELPER <u>JERRY</u>	
BULK TRUCK DRIVER <u># 404 BRANDON</u>	
BULK TRUCK DRIVER	

<u>FLO-SEAL 55⁰⁰</u>	@ <u>2.20</u>	<u>148.00</u>
HANDLING <u>228 SK</u>	@ <u>2.25</u>	<u>513.00</u>
MILEAGE <u>214 PER 291 MILE</u>		<u>326.00</u>
TOTAL		<u>4050.00</u>

REMARKS:

<u>25 SKS AT 2485'</u>
<u>100 SKS AT 1610'</u>
<u>40 SKS AT 270'</u>
<u>10 SKS AT 40'</u>
<u>15 SKS MOUSE HOLE</u>
<u>30 SKS RAT HOLE</u>

THANK YOU

SERVICE

DEPTH OF JOB <u>2485'</u>	
PUMP TRUCK CHARGE <u>1250⁰⁰</u>	
EXTRA FOOTAGE @	
MILEAGE <u>13 X 2</u>	@ <u>7.00</u> <u>182.00</u>
MANIFOLD	@
<u>LEAST VEHICLE 13 X 2</u>	@ <u>4.00</u> <u>104.00</u>
TOTAL	<u>1536.00</u>

CHARGE TO: RETALIE EXPLORATION

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>1-wooden plug</u>	@ <u>92.00</u>	<u>92.00</u>
	@	
	@	
	@	
	@	
TOTAL		<u>92.00</u>

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Craig Church

SIGNATURE Craig Church

SALES TAX (if Any) _____

TOTAL CHARGES _____

DISCOUNT 100% IF PAID IN 30 DAYS

CONFIDENTIAL
FEB 20 2012
KCC

RECEIVED
FEB 22 2012
KCC WICHITA

[Handwritten mark]