

2/20/14

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
June 2009

Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

CONFIDENTIAL

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: Jeff Christian  
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 #: \_\_\_\_\_

11/15/11	11/23/11	11/23/11
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 063-21953-00-00  
Spot Description: 5'S & 150'E  
NE NE NE Sec. 7 Twp. 12 S. R. 31  East  West  
335 Feet from  North /  South Line of Section  
180 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Gove  
Lease Name: CV Farm-Hemmert Well #: 1  
Field Name: \_\_\_\_\_  
Producing Formation: \_\_\_\_\_  
Elevation: Ground: 2987 Kelly Bushing: 2997  
Total Depth: 4780 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 213 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: 6000 ppm Fluid volume: 800 bbls  
Dewatering method used: evaporation  
Location of fluid disposal if hauled offsite:  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec \_\_\_\_\_ Twp \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

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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: NJ Date: 2-20-12

Operator Name: Ritchie Exploration, Inc. Lease Name: CV Fam-Hemmert Well #: 1  
 Sec. 7 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.

<p>Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  <i>(Attach Additional Sheets)</i></p> <p>Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  <i>(If no, Submit Copy)</i></p> <p>List All E. Logs Run:  <b>Dual Induction Log</b>  <b>Compensated Density/Neutron Log</b></p>	<p><input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample</p> <p>Name Top Datum</p> <p style="text-align: center;">SEE ATTACHED</p>
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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	213	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

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) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <div style="text-align: center; border: 1px solid black; padding: 5px; font-weight: bold;">CONFIDENTIAL</div>
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

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**#1 CV Farm-Hemmert**

335' FNL & 180' FEL  
 5' S & 150' E of NE NE NE Section 7-12S-31W  
 Gove County, Kansas  
 API# 15-063-21953-0000  
 Elevation: 2987' GL: 2997' KB

Sample Tops			Ref. Well
Anhydrite	2530'	+467	-3
B/Anhydrite	2557'	+440	-6
Heebner	4022'	-1025	-13
Toronto	4050'	-1053	-13
Lansing	4068'	-1071	-13
LKC "C"	4097'	-1100	-12
Muncie Shale	4201'	-1204	-12
LKC "H"	4216'	-1219	-11
Stark Shale	4291'	-1294	-20
LKC "K"	4304'	-1307	-21
BKC	4354'	-1357	-17
Marmaton	4380'	-1383	-13
Altamont	4411'	-1414	-23
Pawnee	4486'	-1489	-21
Myrick	4522'	-1525	-19
Fort Scott	4543'	-1546	-21
Cherokee Shale	4569'	-1572	-20
Johnson	4612'	-1615	-20
Mississippian	4652'	-1655	-16
RTD	4780'	-1783	

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# ALLIED CEMENTING CO., LLC. 035930

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

SERVICE POINT:

OAKLEY

DATE <u>11-15-11</u>	SEC <u>7</u>	TWP. <u>17S</u>	RANGE <u>31W</u>	CALLED OUT	ON LOCATION <u>11:00 PM</u>	JOB START <u>5:00 PM</u>	JOB FINISH <u>5:30 PM</u>
LEASE <u>CV FARM-HEMERT</u>				WELL # <u>1</u>	LOCATION <u>OAKLEY 5S-7E-15-W FWHO</u>	COUNTY <u>GOVE</u>	STATE <u>KS</u>
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)							

CONTRACTOR <u>MYKIN DRILL RIG #14</u>	OWNER <u>SAME</u>
TYPE OF JOB <u>SURFACE</u>	CEMENT AMOUNT ORDERED <u>175 SKS COM 3% CC 2% GEL</u>
HOLE SIZE <u>12 3/4"</u> T.D. <u>216'</u>	COMMON <u>175 SKS @ 16 25 = 2843 75</u>
CASING SIZE <u>8 3/8"</u> DEPTH <u>216'</u>	POZMIX @
TUBING SIZE DEPTH	GEL <u>3 SKS @ 21 25 = 63 75</u>
DRILL PIPE DEPTH	CHLORIDE <u>6 SKS @ 58 30 = 349 60</u>
TOOL DEPTH	ASC @
PRES. MAX. MINIMUM	POZMIX @
MEAS. LINE SHOE JOINT	GEL @
CEMENT LEFT IN CSG. <u>15'</u>	CHLORIDE @
PERFS.	ASC @
DISPLACEMENT <u>12 3/4 BBL.</u>	HANDLING <u>184 SKS @ 2 25 = 414 00</u>

**EQUIPMENT**

PUMP TRUCK # <u>412</u>	CEMENTER <u>JERRY</u>	HELPER <u>WAYNE</u>
BULK TRUCK # <u>347</u>	DRIVER <u>JERRY</u>	
BULK TRUCK #	DRIVER	

MILEAGE <u>114 per sq mile</u>	MILEAGE @ <u>1 25 = 182 50</u>
TOTAL	<u>3852 86</u>

**REMARKS:**

HOOK ON TO 8 3/8" CASING. CIRCULATE  
10 MIN. HOOK UP TO TRUCK MIX  
175 SKS COM 3% CC 2% GEL. DISPLACE  
12 3/4 WATER SHUT IN SNEEZE.  
CEMENT OKED CIRCULATE

THANK YOU

**SERVICE**

DEPTH OF JOB <u>216'</u>	
PUMP TRUCK CHARGE	<u>1125 00</u>
EXTRA FOOTAGE @	
MILEAGE <u>9X2 @ 7 25 = 726 00</u>	
MANIFOLD @	
<u>Light Vehicle 9X2 @ 4 00 = 72 00</u>	
TOTAL	<u>1323 00</u>

CHARGE TO: ROTCHER EXPLORATION

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
TOTAL _____

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS \_\_\_\_\_

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

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# ALLIED CEMENTING CO., LLC. 035939

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

SERVICE POINT:  
DAKLEY

DATE <u>11-23-11</u>	SEC. <u>7</u>	TWP. <u>12S</u>	RANGE <u>31W</u>	CALLED OUT	ON LOCATION <u>6:00 PM</u>	JOB START <u>8:30 PM</u>	JOB FINISH <u>9:00 PM</u>
LEASE # <u>HEMMA 2011</u>	WELL # <u>6</u>	LOCATION <u>DAKLEY 5S-3E-15-W 2N</u>			COUNTY <u>GOVE</u>	STATE <u>KS</u>	
OLD OR <u>(NEW)</u> (Circle one)							

CONTRACTOR MURPHY DRILLING REC # 14 OWNER SAME

TYPE OF JOB PTA

HOLE SIZE 7 7/8" T.D. 4780' CEMENT AMOUNT ORDERED 220 SKS 6040 POZ MIX GEL 1/4" P/O SEAL

CASING SIZE DEPTH

TUBING SIZE DEPTH

DRILL PIPE 4 1/2" DEPTH 2445'

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

**EQUIPMENT**

PUMP TRUCK CEMENTER TERRY  
# 423-281 HELPER ANDREW  
BULK TRUCK  
# 396 DRIVER BRANDON  
BULK TRUCK  
# DRIVER

COMMON	<u>132 SKS</u>	@ <u>16.25</u>	<u>2145.00</u>
POZ MIX	<u>88 SKS</u>	@ <u>8.50</u>	<u>748.00</u>
GEL	<u>8 SKS</u>	@ <u>21.25</u>	<u>170.00</u>
CHLORIDE		@	
ASC		@	
	<u>P/O SEAL 5S</u>	@ <u>2.20</u>	<u>148.50</u>
HANDLING	<u>228 SKS</u>	@ <u>2.20</u>	<u>513.60</u>
MILBAGE	<u>114 PER ST/MILE</u>		<u>225.12</u>
TOTAL			<u>3950.22</u>

**REMARKS:**

MEX 25 SKS AT 2445'  
MEX 100 SKS AT 2180'  
MEX 40 SKS AT 265'  
MEX 10 SKS AT 40'  
MEX 15 SKS MOUSE HOLE  
MEX 30 SKS RAT HOLE

220

THANK YOU

**SERVICE**

DEPTH OF JOB	<u>2445'</u>		
PUMP TRUCK CHARGE			<u>1250.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>9X2</u>	@ <u>7.00</u>	<u>126.00</u>
MANIFOLD		@	
	<u>Light Vehicle 9X2</u>	@ <u>4.00</u>	<u>72.00</u>
TOTAL			<u>1448.00</u>

CHARGE TO: RECHIE EXPLORATION  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

<u>3/8" wooden plug</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.

SALES TAX (If Any) \_\_\_\_\_  
TOTAL CHARGES \_\_\_\_\_  
DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

PRINTED NAME Greg Smith  
SIGNATURE Greg Smith

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