

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
October 2008  
Form Must Be Typed

*Handwritten initials and date: 3/10/09*

**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 + 3118  
Contact Person: John Niernberger  
Phone: (316) 691-9500  
CONTRACTOR: License # 33575  
Name: WW Drilling, LLC  
Wellsite Geologist: Roger Fisher  
Purchaser: NCRA  
Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  
 Gas  ENHR  SIGW  
 CM (Coal Bed Methane)  Temp. Abd.  
 Dry  Other \_\_\_\_\_  
*(Core, WSW, Expl., Cathodic, 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  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled Docket No.: \_\_\_\_\_  
 Dual Completion Docket No.: \_\_\_\_\_  
 Other (SWD or Enhr.?) Docket No.: \_\_\_\_\_  
11/18/08 11/25/08 11/25/08  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 179-21212-0000  
Spot Description: 161' S & 108' W of  
C S/2 N/2 NE Sec. 8 Twp. 9 S. R. 30  East  West  
1151 Feet from  North /  South Line of Section  
1428 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Sheridan  
Lease Name: CKG Well #: 1  
Field Name: \_\_\_\_\_  
Producing Formation: LKC  
Elevation: Ground: 2948 Kelly Bushing: 2953  
Total Depth: 4310 Plug Back Total Depth: 4268  
Amount of Surface Pipe Set and Cemented at: 290 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 2530 Feet  
If Alternate II completion, cement circulated from: surface  
feet depth to: 2530 w/ 475 sx cmt.

**Drilling Fluid Management Plan** Ait II NR 4-1-09  
*(Data must be collected from the Reserve Pit)*  
Chloride content: 19000 ppm Fluid volume: 1000 bbls  
Dewatering method used: evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**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.

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: 3/9/09  
Subscribed and sworn to before me this 9<sup>th</sup> day of March,  
09  
Notary Public: Debra K Phillips  
Date Commission Expires: 5-4-11

**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

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MAR 11 2009

DEBRA K. PHILLIPS  
Notary Public - State of Kansas  
My Appt. Expires 5-4-11

KCC WICHITA

Operator Name: Ritchie Exploration, Inc. Lease Name: CKG Well #: 1  
 Sec. 8 Twp. 9 S. R. 30  East  West County: Sheridan

**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 copy of all Electric Wireline 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 <i>(Submit Copy)</i>  List All E. Logs Run: <b>Dual Induction Log</b> <b>Compensated Density/Neutron Log</b>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum  SEE ATTACHED
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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	28	290	common	175	3%cc, 2%gel
Production	7-7/8	4-1/2	10.5	4299	Pozmix	180	10% salt, 2% gel & 3/4% CD-31

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
4	4046.5' - 4050' (1/7/09)	500 GALS 15% NE	

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TUBING RECORD: Size: <u>2-3/8</u> Set At: <u>4263</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <u>1/26/09</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls. <u>35.07</u>	Gas Mcf	Water Bbls. <u>1.67</u> Gas-Oil Ratio Gravity <u>36</u>

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 <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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**#1 CKG**

1151' FNL & 1428' FEL

161'S & 108'W of C S/2 N/2 NE Section 8-9S-30W

Sheridan County, Kansas

API# 15-179-21212-0000

Elevation: 2948' GL: 2953' KB

<u>Sample Tops</u>			<u>Ref. Well</u>
Anhydrite	2568'	+385	-4
B/Anhydrite	2600'	+353	-5
Heebner	3982'	-1029	-3
Lansing	4019'	-1066	-3
Lansing "C"	4050'	-1097	flat
Lansing "D"	4063'	-1110	-1
Lansing "E"	4086'	-1133	flat
Muncie Shale	4138'	-1185	-1
Lansing "H"	4154'	-1201	flat
Lansing "I"	4186'	-1233	flat
Lansing "J"	4202'	-1249	flat
Stark Shale	4215'	-1262	flat
Lansing "K"	4232'	-1279	flat
BKC	4270'	-1317	+3
RTD	4310'	-1357	

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KCC WICHITA

# ALLIED CEMENTING CO., LLC. 043820

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

SERVICE POINT:  
CARLEY

DATE <u>11-28-08</u>	SEC. <u>8</u>	TWP. <u>9S</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION <u>11:00 AM</u>	JOB START <u>1:00 PM</u>	JOB FINISH <u>2:00 PM</u>
LEASE <u>CRG</u>	WELL # <u>1</u>	LOCATION <u>ANDREWS-6N-14W-5 INTG</u>			COUNTY <u>Sheeple</u>	STATE <u>KS</u>	
OLD OR (NEW) (Circle one)							

CONTRACTOR EXPRESS WELL SERVICE OWNER SAME

TYPE OF JOB PORT COLLAR

HOLE SIZE	T.D.	CEMENT
CASING SIZE <u>4 1/2'</u>	DEPTH	AMOUNT ORDERED <u>650 SKS 60/40 poz 6262 1/2 SET</u>
TUBING SIZE <u>2 3/8'</u>	DEPTH <u>2530'</u>	<u>Used 475 SKS 60/40 poz 6262 1/4 Flt Seal</u>
DRILL PIPE	DEPTH	
TOOL	DEPTH	
PRES. MAX	MINIMUM	COMMON <u>285 SKS @ 15 45 4403 25</u>
MEAS. LINE	SHOE JOINT	POZ MIX <u>190 SKS @ 8 1520 25</u>
CEMENT LEFT IN CSG.		GEL <u>25 SKS @ 20 80 520 25</u>
PERFS.		CHLORIDE @
DISPLACEMENT		ASC @

EQUIPMENT			
PUMP TRUCK # <u>431</u>	CEMENTER <u>TERRY</u>	<u>FLO-SEAL 119 #</u>	@ <u>2.50 297 50</u>
	HELPER <u>KELLY</u>		@
BULK TRUCK # <u>377</u>	DRIVER <u>WALTER</u>		@
BULK TRUCK # <u>399-306</u>	DRIVER <u>CHUCK</u>		@
		HANDLING <u>691 SKS @ 2.40 1658 40</u>	
		MILEAGE <u>184 PER SK / mile 1382</u>	
		TOTAL <u>9781 15</u>	

REMARKS:  
RUN TUBING DOWN TO 2530'. TEST SYSTEM TO 1500 PSI. Held. OPEN PORT COLLAR. MIX 475 SKS 60/40 poz 62 gel 1/4" FLO-SEAL + DISPLACE 9000 GALS WATER. CLOSE PORT COLLAR. PRESSURE SYSTEM TO 1500 PSI. Held. RUN 5 TTS REVERSE BUT

THANK YOU

CHARGE TO: ATCHEE EXPLORATION

STREET \_\_\_\_\_

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

SERVICE	
DEPTH OF JOB	<u>2530'</u>
PUMP TRUCK CHARGE	<u>1185</u>
EXTRA FOOTAGE	@
MILEAGE	<u>20 @ 7 140</u>
MANIFOLD	@
	@
	@
TOTAL	<u>1325</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 \_\_\_\_\_

SIGNATURE [Signature]

PLUG & FLOAT EQUIPMENT	
	@
	@
	@
	@
	@
TOTAL	_____
SALES TAX (If Any)	_____
TOTAL CHARGES	_____
DISCOUNT	_____ IF PAID IN 30 DAYS

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KCC WICHITA

uTCN-

# ALLIED CEMENTING CO., LLC. 043818

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

SERVICE POINT:

DAKLEY

DATE <u>11-25-08</u>	SEC. <u>8</u>	TWP. <u>9S</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION <u>4:00 PM</u>	JOB START <u>7:15 AM</u>	JOB FINISH <u>10:00 PM</u>
LEASE <u>CRG</u>	WELL# <u>1</u>	LOCATION <u>Angelus EN-14W-5 INTG</u>			COUNTY <u>Sheridan</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR W+W DRIG #10 OWNER SAME

TYPE OF JOB Production string

HOLE SIZE 7 7/8" T.D. 4308' CEMENT AMOUNT ORDERED

CASING SIZE 4 1/2" DEPTH 4300' 210 SKS 60/40 POZ 10% SALT 22.9% GEL 34 CF 1% CO-31

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL PORT COLLAR DEPTH 2535'

PRES. MAX MINIMUM COMMON 126 SKS @ 15 45 1946 70

MEAS. LINE SHOE JOINT 20.90' POZMIX 84 SKS @ 8 00 672 00

CEMENT LEFT IN CSG. GEL 4 SKS @ 20 00 80 00

PERFS. CHLORIDE @

DISPLACEMENT ASC @

**EQUIPMENT**

PUMP TRUCK CEMENTER TERRY

# 431 HELPER KELLY SALT 21 SKS @ 23 95 502 95

BULK TRUCK CO-31 135 # @ 9 35 1262 25

# 377 DRIVER John WFR-2 500 GALS @ 1 37 635 00

BULK TRUCK HANDLING 237 SKS @ 2 40 568 80

# DRIVER MILEAGE 108 PER SK / MILE @ 4 74 474 00

TOTAL 6144 90

**REMARKS:**

MEX 500 GALS WFR-2, MEX 20  
SKS CEMENT RAT HOLE MEX 15  
SKS MOUSE HOLE. MEX 175 SKS  
60/40 POZ 10% SALT 22.9% GEL 34 CF 1%  
CO-31. WASH PUMP + LINES - DISPLACE  
68 BBS WATER. P49 LANDED AT  
1150 PSI. PRESSURE BLEED BACK TO  
500 PSI. INSERT HEAD,  
FINAL LEFT PRESSURE 650 PSI.  
THANK YOU

**SERVICE**

DEPTH OF JOB 4300'

PUMP TRUCK CHARGE 2092 00

EXTRA FOOTAGE @

MILEAGE 20 ME @ 7 00 140 00

MANIFOLD @

HEAD RENTAL @ 113 00

ROTATING HEAD @ 113 00

TOTAL 2458 00

CHARGE TO: RITCHIE EXPLORATION

STREET

CITY STATE ZIP

**4 1/2" PLUG & FLOAT EQUIPMENT**

1- Guide SLEEVE 169 00

1- AFW INSERT @ 254 00

5- TUBING TIEERS @ 68 00 340 00

1- PORT COLLAR @ 1800 00

4- BASKETS @ 169 00 676 00

1- Rubber plug @ 62 00

TOTAL 3301 00

To Allied Cementing Co., LLC.

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PRINTED NAME

SIGNATURE Thomas A. A. [Signature]

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

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KCC WICHITA

# ALLIED CEMENTING CO., LLC. 34860

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

SERVICE POINT:

Russell

DATE <u>11-18-08</u>	SEC. <u>8</u>	TWP. <u>9</u>	RANGE <u>30</u>	CALLED OUT	ON LOCATION	JOB START <u>8:30am</u>	JOB FINISH <u>6:00pm</u>
LEASE <u>CKG</u>	WELL # <u>1</u>	LOCATION <u>Gravel LN SW Rd 29</u>			COUNTY <u>Shepherd</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>		LOCATION <u>12N 44W Sinto</u>					

CONTRACTOR WWH/O OWNER \_\_\_\_\_

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 291

CASING SIZE 8 5/8 23' DEPTH 290

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 20'

PERFS. \_\_\_\_\_

DISPLACEMENT Water 16 BL

EQUIPMENT

PUMP TRUCK CEMENTER Craig

# 417 HELPER Matt

BULK TRUCK \_\_\_\_\_

# 378 DRIVER Male

BULK TRUCK \_\_\_\_\_

# \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:

Cement Circulated!

Thanks!

CHARGE TO: Ritchie Exploration

STREET \_\_\_\_\_

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

CEMENT AMOUNT ORDERED 175 ccm 30/60K  
2966.0L

COMMON 175 @ 13.50 2,362.50

POZMIX \_\_\_\_\_ @ \_\_\_\_\_

GEL 3 @ 20.25 60.75

CHLORIDE 6 @ 51.50 309.00

ASC \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

HANDLING 184 @ 2.25 414.00

MILEAGE 10/sk/mile 460.00

TOTAL 3,606.25

SERVICE

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_ 991.00

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE 25 @ 7.00 175.00

MANIFOLD @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL 1,166.00

PLUG & FLOAT EQUIPMENT

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

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

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

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

PRINTED NAME Greg Faust

SIGNATURE Greg Faust

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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.