

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

6/3/10

Operator: License # 4767  
Name: Ritchie Exploration, Inc.  
Address: P.O. Box 783188  
City/State/Zip: Wichita, KS 67278-3188  
Purchaser: NCRA  
Operator Contact Person: John Niernberger  
Phone: (316) 691-9500  
Contractor: Name: Murfin Drilling Co., Inc.  
License: 30606  
Wellsite Geologist: Roger Fisher

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows: JUN 03 2008

Operator: \_\_\_\_\_  
Well Name: KCC

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back  Plug Back Total Depth  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)  Docket No. \_\_\_\_\_

2/9/08	2/18/08	2/19/08
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 101-22073-0000  
County: Lane  
approx. C N/2 SW Sec. 5 Twp. 17S S. R. 30  East  West  
2000 feet from S N (circle one) Line of Section  
1320 feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Wilkins 5C Well #: 2

Field Name: \_\_\_\_\_  
Producing Formation: LKC  
Elevation: Ground: 2882 Kelly Bushing: 2892  
Total Depth: 4590 Plug Back Total Depth: 4552  
Amount of Surface Pipe Set and Cemented at 268 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 2268 Feet  
If Alternate II completion, cement circulated from 2268  
feet depth to surface w/ 325 sx cmt.


Drilling Fluid Management Plan AH#N716-09  
(Data must be collected from the Reserve Pit)  
Chloride content 16400 ppm Fluid volume 625 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: 6/3/08  
Subscribed and sworn to before me this 3<sup>rd</sup> day of June,  
20 08.  
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 **RECEIVED**  
 UIC Distribution **KANSAS CORPORATION COMMISSION**  
**JUN 04 2008**

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

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Ritchie Exploration, Inc. Lease Name: Wilkens 5C Well #: 2  
 Sec. 5 Twp. 17S S. R. 30  East  West County: Lane

**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>Radiation Guard Log</b>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  Name Top Datum  <p style="text-align: center; font-weight: bold;">SEE ATTACHED</p>
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CONFIDENTIAL  
JUN 03 2008  
KCC

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	268	common	200	3%cc, 2% gel
Production	7-7/8	4-1/2	10.5	4587	60/40 pozmix	225	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	3976' - 3980' (LKC-C)-(2/29/08)	500 gals 15% NE	

TUBING RECORD		Size <u>2-3/8</u>	Set At <u>4535'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <u>3/6/08</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 Bbbs. <u>16.70</u>	Gas Mcf	Water Bbbs. <u>1.67</u>	Gas-Oil Ratio	Gravity <u>32.0</u>

Disposition of Gas  Vented  Sold  Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

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JUN 04 2008

CONSERVATION DIVISION  
WICHITA, KS



**#2 Wilkens 5C**

2000' FSL & 1320' FWL

20' N OF C N/2 SW Section 5-17S-30W

Lane County, Kansas

API# 15-101-22073-0000

Elevation: 2882' GL, 2892' KB

<u>Sample Tops</u>			<u>Ref.</u> <u>Well</u>
Anhydrite	2288'	+604	-10
B/Anhydrite	2310'	+582	-12
Heebner	3900'	-1008	+2
Lansing	3938'	-1046	+2
Lansing "C"	3969'	-1077	+2
Lansing "E"	4026'	-1134	+2
Lansing "J"	4184'	-1292	+1
BKC	4288'	-1396	-2
Altamont	4340'	-1448	-2
Fort Scott	4461'	-1569	-7
Cherokee Shale	4487'	-1595	-10
Johnson	4527'	-1635	-11
Mississippian	4552'	-1660	-6
RTD	4590'	-1698	

CONFIDENTIAL  
JUN 03 2008

KCC

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KANSAS CORPORATION COMMISSION

JUN 04 2008

CONSERVATION DIVISION  
WICHITA, KS

# ALLIED CEMENTING CO., INC.

32051

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

SERVICE POINT:  
OAKLEY

DATE <u>2-10-08</u>	SEC. <u>5</u>	TWR <u>175</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION <u>2:00 AM</u>	JOB START <u>5:00 AM</u>	JOB FINISH <u>5:30 AM</u>
LEASE <u>WEEKS SC</u>	WELL # <u>2</u>	LOCATION <u>HEAVY 1 1/2" - 5 INTO</u>			COUNTY <u>LANE</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR <u>MURKIN DRUG. RIG # 14</u>	OWNER <u>SAME</u>
TYPE OF JOB <u>SURFACE</u>	CEMENT AMOUNT ORDERED <u>200 SKS COM 3% CC 2% GEL</u>
HOLE SIZE <u>12 1/4"</u>	T.D. <u>271'</u>
CASING SIZE <u>8 7/8"</u>	DEPTH <u>271'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS.	
DISPLACEMENT <u>16 1/4 BALS</u>	

**EQUIPMENT**

PUMP TRUCK	CEMENTER <u>TERRY</u>
# <u>H22</u>	HELPER <u>WAYNE</u>
BULK TRUCK	
# <u>347</u>	DRIVER <u>LONNIE</u>
BULK TRUCK	
#	DRIVER

**CONFIDENTIAL**  
JUN 03 2008

COMMON	<u>200 SKS</u>	@ <u>14.20</u>	<u>2840.00</u>
POZMIX		@	
GEL	<u>4 SKS</u>	@ <u>18.75</u>	<u>75.00</u>
CHLORIDE	<u>7 SKS</u>	@ <u>52.75</u>	<u>367.25</u>
ASC		@	
		@	
		@	
		@	
		@	
HANDLING	<u>2.11 SKS</u>	@ <u>2.15</u>	<u>453.65</u>
MILEAGE	<u>98 PER SK/MILE</u>		<u>949.50</u>
TOTAL			<u>4685.30</u>

REMARKS:  
CEMENT IN CELLAR

CHARGE TO: RITCHIE EXPLORATION, INC.

STREET \_\_\_\_\_

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

**SERVICE**

DEPTH OF JOB	<u>271'</u>
PUMP TRUCK CHARGE	<u>917.00</u>
EXTRA FOOTAGE	@ _____
MILEAGE	<u>50 MI @ 7.00</u> <u>350.00</u>
MANIFOLD	@ _____
<u>HEAD RENTAL</u>	@ <u>113.00</u>
TOTAL	<u>1380.00</u>

**PLUG & FLOAT EQUIPMENT**

<u>8 7/8" SURFACE PLUG</u>	<u>68.00</u>
@	
@	
@	
@	
@	
TOTAL	<u>68.00</u>

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE [Signature]

PRINTED NAME Greg Unruh

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KANSAS CORPORATION COMMISSION  
JUN 04 2008  
CONSERVATION DIVISION  
WICHITA, KS

# ALLIED CEMENTING CO., INC.

32133

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

SERVICE POINT: Oakley, KS

DATE <u>2-25-08</u>	SEC <u>5</u>	TWP <u>17</u>	RANGE <u>30</u>	CALLED OUT	ON LOCATION <u>10:30am</u>	JOB START <u>1:00pm</u>	JOB FINISH <u>1:30pm</u>
LEASE <u>C-9</u>	WELL # <u>#2</u>	LOCATION <u>Nearly 1/2 mi N 2 W 30</u>		COUNTY <u>Lane</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one)							

CONTRACTOR H-D Well Service OWNER same

TYPE OF JOB Port Collar

HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_ CEMENT \_\_\_\_\_

CASING SIZE 4 1/2 DEPTH \_\_\_\_\_ AMOUNT ORDERED 450 60/40 40s

TUBING SIZE 2 3/8 DEPTH 2267 6 7/8 seal 1 1/4 # 8 1/2 seal

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_ used 325 sbs

TOOL \_\_\_\_\_ DEPTH 2267

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_ COMMON 195 @ 14.20 2769.00

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_ POZMIX 130 @ 7.20 936.00

CEMENT LEFT IN CSG. \_\_\_\_\_ GEL 17 @ 18.25 318.25

PERFS. \_\_\_\_\_ CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_

DISPLACEMENT 8.8 BBL ASC \_\_\_\_\_ @ \_\_\_\_\_

EQUIPMENT \_\_\_\_\_ clo-seal 81# @ 2.25 182.25

PUMP TRUCK CEMENTER Fuzz \_\_\_\_\_ @ \_\_\_\_\_

# 431 HELPER Kelly \_\_\_\_\_ @ \_\_\_\_\_

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

# 394 DRIVER Darrin \_\_\_\_\_ @ \_\_\_\_\_

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

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

HANDLING 477 @ 2.15 1025.55

MILEAGE 1.09 x 55 mile 2103.25

TOTAL 7335.13

REMARKS:

Press to 500# establish circulation  
mix 325sbs cement max 1:54  
700# close tool press 1200#  
reverse the clean, wash out pump  
+ lines run 10 Jts reverse  
the clean Job complete @ 1:30pm  
circ approx 15 BBL to pit  
Thanks Fuzz & crew

SERVICE

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

PUMP TRUCK CHARGE 1075.00

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

MILEAGE 49 @ 7.00 343.00

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

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

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

TOTAL 1418.00

CHARGE TO: Ridchie Exploration

STREET \_\_\_\_\_

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

PLUG & FLOAT EQUIPMENT

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

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

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

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

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

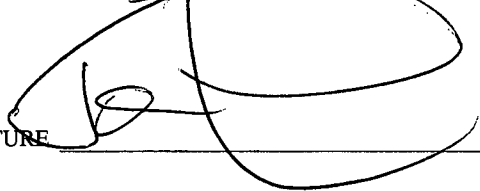
TOTAL \_\_\_\_\_

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

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

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE 

PRINTED NAME \_\_\_\_\_

JW

RECEIVED  
KANSAS CORPORATION COMMISSION

JUN 04 2008

CONSERVATION DIVISION  
WICHITA, KS

# ALLIED CEMENTING CO., INC.

32129

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

SERVICE POINT:  
Oakley, KS

DATE <u>2-19-08</u>	SEC <u>5</u>	TWP <u>17</u>	RANGE <u>30</u>	CALLED OUT	ON LOCATION <u>9:00am</u>	JOB START <u>2:30pm</u>	JOB FINISH <u>3:30pm</u>
W-1 Rows #2 LEASE	WELL# <u>5-C</u>	LOCATION <u>Healy 2 1/2 mi N + 4 mi E Lane</u>	COUNTY <u>lane</u>	STATE <u>KS</u>			
OLD OR (NEW) (Circle one)							

CONTRACTOR Murkin Dng #14 OWNER same

TYPE OF JOB Production string  
 HOLE SIZE 7 7/8 T.D. 4590'  
 CASING SIZE 4 1/2 10" DEPTH 4588'  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT 21 3/4"  
 CEMENT LEFT IN CSG. 21 3/4"

CEMENT  
 AMOUNT ORDERED 250 sacks 60/40 p2  
10% salt, 2% gel, 3/4% 1% CD-31  
w/ defamer 500 gal WFR-II  
 COMMON 150 @ 14 20 2130 00  
 POZMIX 100 @ 7 20 720 00  
 GEL 4 @ 18 75 75 00  
 CHLORIDE @  
 ASC @  
 Salt 13 00 @ 21 00 273 00  
 @  
 CD-31 161 # @ 8 45 1360 45  
 @  
 DeCramer 54 # @ 8 10 437 40  
 @  
 WFR-II 500 gal @ 1 15 575 00  
 @  
 HANDLING 284 @ 2 15 610 00  
 MILEAGE .09 use x mile 1252 48  
 TOTAL 7441 69

PERFS.  
DISPLACEMENT 72.87 sacks

EQUIPMENT  
 PUMP TRUCK CEMENTER Fuzzy  
 # 431 HELPER CONFIDENTIAL  
 BULK TRUCK  
 # 218 DRIVER JUN 3 2008  
 BULK TRUCK  
 # DRIVER KCC

REMARKS:  
Mix 500 gal WFR-II 10 sacks in MH  
15 sacks RH. mix 225 sacks down  
esp. Washout pump lines  
Displace plug to insert.  
Light Press 900# handpress  
1400# float held plug down @  
3:20pm  
Thanks Fuzzy + crew

SERVICE  
 DEPTH OF JOB 4573 20  
 PUMP TRUCK CHARGE 1969 00  
 EXTRA FOOTAGE @  
 MILEAGE 49 @ 7 00 343 00  
 MANIFOLD + head @ 113 00  
 @  
 @

CHARGE TO: Ritchie Exploration Inc  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TOTAL 2425 00

PLUG & FLOAT EQUIPMENT  
 1- Port Collar (R) 1800 00  
 1- AFU Insert @ 254 00  
 1- Guide shoe @ 169 00  
 2- Baskets @ 169 00 338 00  
 7- Tubelizers @ 68 00 476 00  
 1- Cement @ 51 00  
 1- rubber plug 62 00  
 TOTAL 3150 00

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TAX \_\_\_\_\_  
 TOTAL CHARGE \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE Bennie Dab

PRINTED NAME \_\_\_\_\_

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 KANSAS CORPORATION COMMISSION  
 JUN 04 2008  
 CONSERVATION DIVISION  
 WICHITA, KS