

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

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 Niemberger
Phone: (316) 691-9500
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Mike Engelbrecht
Purchaser: _____
Designate Type of Completion: MAR 1 2010
 New Well _____ Re-Entry _____ Workover
_____ Oil _____ SWD _____ SIOW
_____ Gas _____ ENHR _____ SIGW
_____ CM (Coal Bed Methane) _____ Temp. Abd.
 Dry _____ Other _____
(Core, WSW, Expl., Wash, etc.)
If Workover/Re-entry: Old Well Info as follows: MAR 10 2010
Operator: _____
Well Name: KCC WICHITA
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.: _____

<u>12/8/09</u>	<u>12/19/09</u>	<u>12/19/09</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 057-20657-0000
Spot Description: 40' N & 100' E
S/2, S/2, NW, Sec. 1 Twp. 27 S. R. 24 East West
2270 Feet from North / South Line of Section
1420 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Ford
Lease Name: Durler Unit Well #: 1
Field Name: _____
Producing Formation: _____
Elevation: Ground: 2523 Kelly Bushing: 2535
Total Depth: 5150 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 418 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 PANJ 3-22-10
(Data must be collected from the Reserve Pit)
Chloride content: 13200 ppm Fluid volume: 900 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.: _____

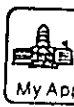
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side 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: 3/9/10
Subscribed and sworn to before me this 9th day of March
20 10
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

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

Operator Name: Ritchie Exploration, Inc. Lease Name: Durler Unit Well #: 1
 Sec. 1 Twp. 27 S. R. 24 East West County: Ford

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: 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
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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	24	418	Class A	300	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 <i>(Amount and Kind of Material Used)</i>	Depth
	RECEIVED MAR 10 2010 KCC WICHITA		

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

2270' FNL & 1420' FWL

40'N & 100'E of S/2 S/2 NW Section 1-27S-24W

Ford County, Kansas

API# 15-057-20657-0000

Elevation: 2523' GL, 2535' KB

<u>Sample Tops</u>			<u>Ref. Well</u>
Chase Herrington	2668'	-133	+6
Heebner	4230'	-1695	+20
Lansing	4348'	-1813	+21
Muncie Shale	4533'	-1998	+27
Stark Shale	4656'	-2121	+30
BKC	4730'	-2195	+32
Pawnee	4872'	-2337	+28
Cherokee Shale	4916'	-2381	+28
Atoka Shale	5015'	-2480	+25
Morrow Sand	5018'	-2483	+63
Mississippian	5097'	-2562	+13
RTD	5150'	-2615	

RECEIVED

MAR 10 2010

KCC WICHITA

ALLIED CEMENTING CO., LLC. 036950

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

POINT:
Medicine Lodge, KS

DATE <u>12-20-05</u>	SEC. <u>1</u>	TWP. <u>27S</u>	RANGE <u>24W</u>	CALLED OUT <u>5:00 PM</u>	ON LOCATION <u>8:00 AM</u>	JOB START <u>12:00 PM</u>	JOB FINISH <u>1:00 PM</u>
Driller LEASE <u>Unit 2</u>	WELL # <u>1</u>	LOCATION <u>400 + W. 111 Road, E. 1/2</u>	COUNTY <u>Ford</u>	STATE <u>KS</u>			
OLD OR <input checked="" type="radio"/> NEW (Circle one)			<u>ELinea</u>				

CONTRACTOR Duke #1
 TYPE OF JOB Roady Plus
 HOLE SIZE 7 7/8 T.D.
 CASING SIZE _____ DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 DEPTH 1530'
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT 3 bbls of water, 12 bbls mud
 EQUIPMENT _____

PUMP TRUCK CEMENTER Dana F
 # 360-265 HELPER Scott P
 BULK TRUCK
 # 363-374 DRIVER ms + T
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

1st plug - 1530' - Pump 8 1/2 bbls of water
 shear, mix 80% cement, Displace 3 bbls of
 water, 12 bbls of mud, 2nd plug - 880' - Pump
 8 1/2 bbls water shear, mix 80% of cement,
 Displace 4 bbls water, 3rd plug - 450' - Pump
 8 1/2 shear, mix 80% of cement, Displace
 1 bbl, 4th plug - 60' - mix 20% of cement
 Patcher - mix 30% of cement, mouse hole - mix
 20% of cement

CHARGE TO: Ritchie Exploration
 STREET _____
 CITY _____ STATE _____ ZIP _____

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 Mike Godfrey
 SIGNATURE [Signature]

OWNER Ritchie Exploration

CEMENT
 AMOUNT ORDERED 250s x 60' 40' 4 1/4 #
Flowseal

COMMON	<u>A</u>	<u>150 SY</u>	@	<u>15.45</u>	<u>2317.50</u>
POZMIX		<u>100 SY</u>	@	<u>8.00</u>	<u>800.00</u>
GEL		<u>8 SY</u>	@	<u>23.38</u>	<u>187.10</u>
CHLORIDE			@		
ASC			@		
<u>Flowseal</u>		<u>62 #</u>	@	<u>2.50</u>	<u>155.00</u>
			@		
			@		
			@		
			@		
			@		
HANDLING		<u>260</u>	@	<u>2.40</u>	<u>600.00</u>
MILEAGE		<u>350/40 = 10</u>	@		<u>1000.00</u>
TOTAL					<u>5059.70</u>

SERVICE

DEPTH OF JOB	<u>1530'</u>			
PUMP TRUCK CHARGE				<u>1017.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>40</u>	@	<u>7.00</u>	<u>280.00</u>
MANIFOLD		@		
		@		
		@		
TOTAL <u>1297.00</u>				

PLUG & FLOAT EQUIPMENT

	@		
<u>none</u>	@		
	@		
	@		
	@		
TOTAL _____			

SALES TAX (If Any) _____
 TOTAL CHARGES [scribble]
 DISCOUNT [scribble] IF PAID IN 30 DAYS

ALLIED CEMENTING CO., LLC. 037082

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

SERVICE POINT:

Medicine Lodge

DATE <u>12-9-09</u>	SEC. <u>1</u>	TWP. <u>27S</u>	RANGE <u>24W</u>	CALLED OUT <u>3:00 p.m.</u>	ON LOCATION <u>6:00 p.m.</u>	JOB START <u>2:00 AM</u>	JOB FINISH <u>2:30 AM</u>
Driller: <u>1</u>	LEASE	WELL # <u>1</u>	LOCATION <u>504400 St. 1/2 mi E into</u>	COUNTY <u>Ford</u>	STATE <u>10</u>		
OLD OR NEW (Circle one)							

CONTRACTOR Duke #1

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 418'

CASING SIZE 8 7/8 DEPTH 418'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX 300 MINIMUM _____

MEAS. LINE _____ SHOE JOINT 0

CEMENT LEFT IN CSG. 70'

PERFS. _____

DISPLACEMENT 25 1/4 BBLs

EQUIPMENT _____

PUMP TRUCK CEMENTER W. PULL

447 HELPER Alvin

BULK TRUCK DRIVER Galen D.

456-198

BULK TRUCK DRIVER _____

OWNER Ritchie Exploration

CEMENT AMOUNT ORDERED 300sx A + 39 gels + 10

gel

COMMON	<u>300 x A</u>	@	<u>15.45</u>	<u>4635.00</u>
POZMIX		@		
GEL	<u>6 sx</u>	@	<u>20.00</u>	<u>124.00</u>
CHLORIDE	<u>10 sx</u>	@	<u>58.20</u>	<u>582.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>300</u>	@	<u>2.40</u>	<u>720.00</u>
MILEAGE	<u>300/40/.10</u>			<u>1200.00</u>
				TOTAL <u>7261.00</u>

REMARKS:
Pipe on bottom, break line, pump 3
Fresh mix 300 A + 39 gels + 10
Release plug, Disp. 25 1/4 BBLs,
shut in cement did circ.

CHARGE TO: Ritchie Exploration

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB 418

PUMP TRUCK CHARGE 1018.00

EXTRA FOOTAGE @ _____

MILEAGE 40 @ 7.00 280.00

MANIFOLD @ _____

@ _____

@ _____

TOTAL 1298.00

PLUG & FLOAT EQUIPMENT

@ _____

@ _____

1-Rubber plug @ 113.00

@ _____

@ _____

TOTAL 113.00

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 x Mike Godfrey

SIGNATURE x Mike Godfrey

SALES TAX (If Any) _____

TOTAL CHARGES 1298.00

DISCOUNT 1298.00 IF PAID IN 30 DAYS

TR