

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

3/21/14
Form ACO-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 Niernberger
Phone: (316) 691-9500
CONTRACTOR: License # 30606
Name: Murfin Drilling Co., Inc
Wellsite Geologist: Larry Friend
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 #: _____

<u>12/5/11</u>	<u>12/14/11</u>	<u>12/14/11</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 057-20771-00-00
Spot Description: 10' N & 40' W of
N/2 S/2 S/2 Sec. 8 Twp. 27 S. R. 22 East West
1,000 Feet from North / South Line of Section
2,600 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Ford
Lease Name: Schinstock-Riegel Unit Well #: 1
Field Name: _____
Producing Formation: _____
Elevation: Ground: 2425 Kelly Bushing: 2436
Total Depth: 5275 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 342 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: 11000 ppm Fluid volume: 900 bbls
Dewatering method used: evaporation
Location of fluid disposal if hauled offsite:
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ S. R. _____ East West
County: _____ Permit #: _____

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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: 3/21/12

KCC Office Use ONLY
 Letter of Confidentiality Received
Date: 3/21/12 - 3/21/14
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: [Signature] Date: 3-20-12
RECEIVED
MAR 22 2012
KCC WICHITA

Operator Name: Ritchie Exploration, Inc. Lease Name: Schinstock-Riegel Unit Well #: 1
 Sec. 8 Twp. 27 S. R. 22 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 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 Dual Compensated Porosity Log	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum <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#	342'	common	225	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

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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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 <i>(Explain)</i> _____				
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 <i>(Specify)</i> _____	PRODUCTION INTERVAL: CONFIDENTIAL _____ MAR 21 2014
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RITCHIE

EXPLORATION, INC.
Wichita, Kansas

#1 Schinstock-Riegel Unit

1000' FSL & 2600' FWL

10' N & 40' W of N/2 S/2 S/2 Section 8-27S-22W

Ford County, Kansas

API# 15-057-20771-0000

Elevation: 2425' GL: 2436' KB

Sample Tops			Ref. Well
Anhydrite	1463'	+973	-6
B/Anhydrite	1505'	+931	-3
Stotler	3523'	-1087	+11
Heebner	4175'	-1739	+17
Lansing	4308'	-1872	+13
Muncie Shale	4494'	-2058	+17
Stark Shale	4618'	-2182	+17
Hush.	4656'	-2220	+18
BKC	4700'	-2264	+19
Marmaton	4745'	-2309	+24
Pawnee	4825'	-2389	+26
Cherokee Shale	4869'	-2433	+25
Huck	4950'	-2514	+27
Atoka Shale	4958'	-2522	+27
Mississippian	4977'	-2541	+28
RTD	5275'	-2839	

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ALLIED CEMENTING CO., LLC. 037904

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

SERVICE POINT:

DATE <u>12-6-2011</u>	SEC. <u>8</u>	TWP. <u>27S</u>	RANGE <u>22W</u>	12-5 CALLED OUT <u>11:00pm</u>	12-6 ON LOCATION <u>2:30pm</u>	12-6 JOB START <u>6:30am</u>	12-6 JOB FINISH <u>7:00pm</u>
Shin stock LEASE <u>Riese</u> WELL # <u>1</u>				LOCATION <u>Ford, 1cs, 2north, 1/2 ess,</u>		COUNTY <u>Ford</u>	STATE <u>Ks</u>
OLD OR <u>(NEW)</u> (Circle one)				LOCATION <u>3 north, 1/2 west, h/into</u>			

CONTRACTOR ~~Shin stock~~ Murfin #21 OWNER Ritchie Exploration

TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 347' CEMENT AMOUNT ORDERED 225 Sx Class A
 CASING SIZE 8 5/8 24# DEPTH 345' 2% bel + 3% occ
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 32'
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT 20 bbls of fresh water

EQUIPMENT
 PUMP TRUCK CEMENTER Derin F.
 # 471-302 HELPER Ron G.
 BULK TRUCK
 # 421-252 DRIVER Eddie P.
 BULK TRUCK
 # _____ DRIVER _____

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 HANDLING 237 @ 2.25 533.25
 MILEAGE 50 x .11 x 237 1303.50
 TOTAL 1843.10

REMARKS:
Pipe on bottom & break circulation
Pump 3 bbls water ahead, mix 225
of cement, shut down, Release plus
start displacement, bump plus
get 20 bbls, shut in, cement did
circulate

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

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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.

PRINTED NAME X Juan Tinoco
 SIGNATURE X Juan Tinoco
Thank you!!!

SERVICE
 DEPTH OF JOB 345'
 PUMP TRUCK CHARGE _____ 1125-
 EXTRA FOOTAGE 45' @ .95 42.75
 MILEAGE 100 @ 7.00 700.00
 MANIFOLD Hess rents @ _____ 200.00
 Light vehicle 100 @ 4.00 400.00
 TOTAL \$2467.75

PLUG & FLOAT EQUIPMENT
8 5/8
 1-Wooden plug @ 92- \$92.00
 1-Baffle plate @ 112- 112.00
 1-Basket @ 478- 478.00
 3-Centrifizers @ 314- 192.00
 TOTAL \$874.00

SALES TAX (If Any) _____
 TOTAL CHARGES \$9385.35
 DISCOUNT 238 IF PAID IN 30 DAYS
Net-\$7508.28



ALLIED CEMENTING CO., LLC. 036142

FedEx

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

SERVICE POINT: Daklay, KS

DATE <u>12-11-11</u>	SEC. <u>8</u>	TWP. <u>27</u>	RANGE <u>22</u>	CALLED OUT	ON LOCATION <u>2:30pm</u>	JOB START <u>4:30pm</u>	JOB FINISH <u>5:30pm</u>
Schistock LEASE <u>Hogel Unit</u> WELL # <u>1</u>				LOCATION <u>Spearville 9 1/2 South Rd 26</u>		COUNTY <u>Ford</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>NEW</u>				<u>1/4 W into</u>			

CONTRACTOR <u>Marfin 21</u>	OWNER <u>Same</u>
TYPE OF JOB <u>PTA</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>3295'</u>
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2</u>	DEPTH <u>1490'</u>
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT <u>14.0 bbl</u>	

CEMENT	
AMOUNT ORDERED <u>250 sks 6040 4% Hogel</u>	
<u>1/4# Flo-seal</u>	
COMMON <u>150 sks @ 16.25</u>	<u>2437.50</u>
POZMIX <u>100 sks @ 8.50</u>	<u>850.00</u>
GEL <u>9 sks @ 21.25</u>	<u>191.25</u>
CHLORIDE @	
ASC @	
<u>Flo-seal 63# @ 2.70</u>	<u>170.10</u>
HANDLING <u>262 sks @ 2.25</u>	<u>588.50</u>
MILEAGE <u>344 sks @</u>	<u>2882.00</u>
TOTAL <u>7120.35</u>	

REMARKS:
mix 50 sks at 1490'
mix 80 sks at 750'
mix 50 sks at 360'
mix 20 sks at 60'
plug mousehole 20 sks
plug rat hole 30 sks

Thank you

SERVICE	
DEPTH OF JOB	<u>1490'</u>
PUMP TRUCK CHARGE	<u>1250.00</u>
EXTRA FOOTAGE @	
MILEAGE <u>100 @ 7.00</u>	<u>700.00</u>
MANIFOLD @	
<u>L. U. Mileage @ 4.00</u>	<u>400.00</u>
TOTAL <u>2350.00</u>	

CHARGE TO: Ritchie Exploration

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT	
	@
	@
	@
	@
	@
TOTAL _____	

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment and furnish cement 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 Juan Tinoco

SIGNATURE Juan Tinoco

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

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