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8/03/09

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

7/16/11

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: Tom Funk
Purchaser: _____

Designate Type of Completion:
 New Well _____ Re-Entry _____ Workover
_____ Oil SWD _____ SLOW
_____ 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.: _____
3/30/09 4/8/09 4/8/09
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 101-22160-00-00
Spot Description: 10' North & 20' West of
E/2 - W/2 - _____ Sec. 26 Twp. 17 S. R. 30 East West
2630 Feet from North / South Line of Section
1960 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Lane
Lease Name: Reed SWD (fka: Reed-Ehmke) Well #: 1
Field Name: _____
Producing Formation: _____
Elevation: Ground: 2844 Kelly Bushing: 2853
Total Depth: 4610 Plug Back Total Depth: 2214
Amount of Surface Pipe Set and Cemented at: 221 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 SUD NJ 82709
(Data must be collected from the Reserve Pit)
Chloride content: 6300 ppm Fluid volume: 850 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: 7/16/09
Subscribed and sworn to before me this 16th day of July
2009
Notary Public: _____
Date Commission Expires: 5-4-11

Abt. - AE - Statute
KCC Office Use ONLY
Y Letter of Confidentiality Received
If Denied, Yes Date: _____
Wireline Log Received via email
Geologist Report Received
UIC Distribution
KANSAS CORPORATION COMMISSION

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

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Handwritten: 130 S. Market KCC

Side Two

Operator Name: Ritchie Exploration, Inc. Lease Name: Reed SWD (fka: Reed-Ehmke) Well #: 1

Sec. 26 Twp. 17 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.

<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 <i>(Submit Copy)</i></p> <p>List All E. Logs Run: Radiation Guard Log Cement Bond Log</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 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	221	common	175	3%cc, 2%gel
Production	7-7/8	4-1/2	10.5	2238	60/40 & Common	385 & 100	

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
1	1850' - 1869', 1908' - 1960', 1971' - 1987' (5/1109)		

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TUBING RECORD: Size: <u>2-3/8</u> Set At: <u>1808</u> Packer At: <u>1805</u>		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>7/2/09</u>	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Handwritten notes:
K.C.
New
8/03/09

SLK
~~#1 Reed-Ehmanke~~
2630' FNL & 1960' FWL
10' N & 20' E/2 W/2 Section 26-17S-30W
Lane County, Kansas
API# 15-101-22160-0000
Elevation: 2844' GL: 2853' KB

<u>Sample Tops</u>			<u>Ref.</u>	<u>Well</u>
Anhydrite	2233'	+620	flat	
B/Anhydrite	2252'	+601	flat	
Heebner Shale	3908'	-1055	+8	
Lansing	3946'	-1093	+9	
Muncie Shale	4113'	-1260	+14	
Pleasanton	4298'	-1445	+12	
Altamont	4342'	-1489	+14	
Cherokee Shale	4486'	-1633	+7	
Johnson	4532'	-1679	+4	
Mississippian	4559'	-1706	+5	
RTD	4610'	-1757		

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ALLIED CEMENTING CO., LLC. 043900

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

SERVICE POINT:

Dakley

1000

DATE <u>4-8-09</u>	SEC. <u>26</u>	TWP. <u>12</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION <u>5:30 AM</u>	JOB START <u>9:30 AM</u>	JOB FINISH <u>10:30 AM</u>
LEASE <u>Read Chute</u>	WELL# <u>1-C</u>	LOCATION <u>Healy 4 1/2 S E info</u>		COUNTY <u>Lane</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one)							

CONTRACTOR Duke Rig 4

TYPE OF JOB Production

HOLE SIZE 2 7/8 T.D. 4610'

CASING SIZE 4 1/2 DEPTH 2238'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 20'

CEMENT LEFT IN CSG. 20

PERFS.

DISPLACEMENT 35,26 BBL

OWNER same

CEMENT

AMOUNT ORDERED 400 sks 6940.68 gal

1/4 Flo-seal 100 sks com

EQUIPMENT

PUMP TRUCK CEMENTER Andrew

423-281 HELPER Larene

BULK TRUCK

347 DRIVER Darrin

BULK TRUCK

457-239 DRIVER Francisco

COMMON <u>340 sks</u>	@ <u>13.50</u>	<u>4570.00</u>
POZMIX <u>160 sks</u>	@ <u>7.55</u>	<u>1208.00</u>
GEL <u>21 sks</u>	@ <u>20.25</u>	<u>425.25</u>
CHLORIDE	@	
ASC	@	
<u>Flo-seal 100#</u>	@ <u>2.45</u>	<u>245.00</u>
HANDLING <u>525 sks</u>	@ <u>2.25</u>	<u>1181.25</u>
MILEAGE: <u>108 sk/mile</u>		<u>2310.00</u>
TOTAL		<u>9959.50</u>

REMARKS:

mixes sks at hole mix 385
sks 6940.68 gal 1/4 Flo-seal. Followed
by 100 sks com down 4 1/2 casing
Wash pump and lines clean
Displace plug down 200# lift
Pressure 1300# Land plug
Cement did circulate. Plug
Land and hold
Thank you

SERVICE

DEPTH OF JOB 2238'

PUMP TRUCK CHARGE 1952.00

EXTRA FOOTAGE @

MILEAGE 44 miles @ 7.00 308.00

MANIFOLD head @ 110.00

TOTAL 2375.00

CHARGE TO: Ritchie Exploration

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

4 1/2

<u>1 Basket shoe</u>	@	<u>1698.00</u>
<u>1 Latch down plug Assy</u>		<u>394.00</u>
<u>1 Basket</u>	@	<u>165.00</u>
<u>3 Centralizers</u>	@ <u>49.00</u>	<u>147.00</u>
TOTAL		<u>2404.00</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.

PRINTED NAME Gary Rowe

SIGNATURE Gary W Rowe

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

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ALLIED CEMENTING CO., LLC. 036285

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

SERVICE POINT:
Ness City KS

DATE 4-30-04	SEC. 26	TWP. 17	RANGE 30	CALLED OUT 9:00 AM	ON LOCATION 12:00 AM	JOB START 1:00 PM	JOB FINISH 1:30 PM
LEASE Real Estate WELL# 1			LOCATION any 1 west 5 North		COUNTY Lane	STATE KS	
OLD OR <u>NEW</u> (Circle one)			Exist into				

CONTRACTOR Duke 4
 TYPE OF JOB Gravel
 HOLE SIZE 12 1/2 T.D. 221
 CASING SIZE 8 3/4 DEPTH 221
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15
 PERFS.
 DISPLACEMENT 13 Displacement

OWNER R. Richie Exploration
 CEMENT
 AMOUNT ORDERED 175 SY common 3% 2%

EQUIPMENT
 PUMP TRUCK CEMENTER wayne - D
 # 364 HELPER Alvin - R
 BULK TRUCK
 # 344/170 DRIVER Randy P-44
 BULK TRUCK
 # DRIVER

COMMON	<u>175 SY</u>	@	<u>13.50</u>	<u>2,362.50</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>20.25</u>	<u>60.75</u>
CHLORIDE	<u>6</u>	@	<u>51.50</u>	<u>309.00</u>
ASC		@		
HANDLING	<u>184</u>	@	<u>2.25</u>	<u>414.00</u>
MILEAGE	<u>44/184/110</u>			<u>809.60</u>
TOTAL				<u>3,955.85</u>

REMARKS:

Pipe on bottom Break circulation
Mix 175 SY common 3% 2%
Shut Down Release Plus
Displace with fresh water
13 ABH wayn - D Rig Down

SERVICE

DEPTH OF JOB	<u>221</u>		<u>991.00</u>
PUMP TRUCK CHARGE			
EXTRA FOOTAGE		@	
MILEAGE	<u>44</u>	@	<u>700</u> <u>308.00</u>
MANIFOLD		@	
<u>Head Band</u>		@	
TOTAL <u>1299.00</u>			

CHARGE TO: R. Richie Exploration
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>1 8 5/8 warden Plus</u>		@	<u>115.00</u>	<u>115.00</u>
		@		
		@		
		@		
		@		
TOTAL <u>115.00</u>				

To Allied Cementing Co., LLC.
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SALES TAX (If Any) _____
 TOTAL CHARGES ~~3955.85~~
 DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME Rich Wheeler
 SIGNATURE Rich Wheeler

RECEIVED
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