

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: Craig Caulk
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.)

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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.: _____
12/11/08 12/21/08 12/21/08
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 171-20714-00-00
Spot Description: 80' North & 140' West of
C N/2 N/2 NW Sec. 29 Twp. 17 S. R. 32 East West
2390 Feet from North / South Line of Section
1180 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Scott
Lease Name: Krupp-Spreier Well #: 1
Field Name: _____
Producing Formation: _____
Elevation: Ground: 3015 Kelly Bushing: 3024
Total Depth: 4770 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 264 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 P+A Alt II NUR
(Data must be collected from the Reserve Pit) 5-7-09
Chloride content: 17600 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: Craig Caulk
Title: Geologist Date: 4/16/09
Subscribed and sworn to before me this 16th day of April, 2009.
Notary Public: Debra K. Phillips
Date Commission Expires: 5-4-11

KCC Office Use ONLY
 Letter of Confidentiality Received
If Denied, Yes No Date: 5/04/09
 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: Krupp-Spreier Well #: 1
 Sec. 29 Twp. 17 S. R. 32 East West County: Scott

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: Compensated Density/Neutron Log Dual Induction 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	23	264	common	175	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 (Amount and Kind of Material Used)	Depth

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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 Bbbs.	Gas Mcf	Water Bbbs. 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 Krupp-Spreier

2390' FSL & 1180' FWL

80'N & 140'W of C N/2 N/2 SW Section 29-17S-32W

Scott County, Kansas

API# 15-171-20714-0000

Elevation: 3015' GL, 3024' KB

<u>Sample Tops</u>			<u>Ref.</u> <u>Well</u>
Anhydrite	2355'	+669	+18
B/Anhydrite	2376'	+648	+15
Heebner	3959'	-935	+30
Lansing	4002'	-978	+32
Lansing "C"	4035'	-1011	+35
Lansing "E"	4091'	-1067	+42
Muncie Shale	4179'	-1155	+37
Stark Shale	4278'	-1254	+34
Middle Creek	4322'	-1298	+34
Lansing "L"	4330'	-1306	+34
Altamont	4409'	-1385	+31
Altamont "B"	4442'	-1418	+29
Cherokee Shale	4575'	-1551	+25
Johnson	4615'	-1591	+26
Morrow Sand	4682'	-1658	+32
Mississippian	4718'	-1694	+31
RTD	4770'	-1746	

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April 17, 2009

State Corporation Commission
Conservation Division
130 S. Market, Room 2078
Wichita, KS 67202

RE: #1-Krupp-Spreier,
Sec. 29-17S-32W
Scott County, Kansas

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To Whom It May Concern:

Enclosed please find an ACO-1 for the above referenced well. The required attachments have also been enclosed. Ritchie Exploration, Inc. would like for this to be held confidential for the maximum allowable time.

If you have any questions, please feel free to call the undersigned or Craig Caulk at 316-691-9500. Thank you for all of your help in this matter.

Sincerely,

Debbie Phillips
Accounting Supervisor

dkp

Enclosures

ALLIED CEMENTING CO., LLC. 043989

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

SERVICE POINT: 043989

12-21-08	SEC. 29	TWP. 17S	RANGE 32W	CALLED OUT	ON LOCATION 1:30pm	JOB START 5:00pm	JOB FINISH 6:00pm
CRUPP LEASE <u>SPKR</u>	WELL# 41	LOCATION <u>50 ACITY 56-16</u>		COUNTY <u>510A</u>	STATE <u>KS</u>		
OLD OR <u>NEW</u> (Circle one)		<u>5422</u>					

CONTRACTOR Duke #4

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D. 4770'

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH 2370'

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

EQUIPMENT

PUMP TRUCK CEMENTER Fuzzy

423 HELPER Kelly

BULK TRUCK

377 DRIVER Alvin

BULK TRUCK

_____ DRIVER _____

REMARKS:

50 sks @ 2370'

80 sks @ 1440'

50 sks @ 720'

50 sks @ 300'

20 sks @ 60'

70 sks PH

Job complete @ 5:45pm

Thanks Fuzzy & crew

OWNER _____

CEMENT

AMOUNT ORDERED 280 60/40 6/70

gel 1/4" & 6-seal

COMMON	<u>168</u>	@ <u>15.45</u>	<u>2595.60</u>
POZMIX	<u>112</u>	@ <u>8.00</u>	<u>896.00</u>
GEL	<u>10</u>	@ <u>20.80</u>	<u>208.00</u>
CHLORIDE		@	
ASC		@	
<u>6-seal</u>	<u>70</u>	@ <u>2.50</u>	<u>175.00</u>
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>293</u>	@ <u>2.40</u>	<u>703.20</u>
MILEAGE	<u>.10 x 524 mile</u>		<u>1259.20</u>
TOTAL			<u>5837.20</u>

SERVICE

DEPTH OF JOB 2370'

PUMP TRUCK CHARGE 1185.00

EXTRA FOOTAGE @ _____

MILEAGE 43 @ 7.00 301.00

MANIFOLD @ _____

@ _____

@ _____

TOTAL 1486.00

PLUG & FLOAT EQUIPMENT

@ _____

@ _____

@ _____

@ _____

@ _____

TOTAL _____

CHARGE TO: Relative 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 Rich Wheeler

SIGNATURE Rich Wheeler

SALES TAX (if Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

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ALLIED CEMENTING CO., LLC. 043985

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

SERVICE POINT:
Oakley KS

DATE <u>12-11-09</u>	SEC <u>29</u>	TWP. <u>17</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>12:45pm</u>	JOB START <u>10:00am</u>	JOB FINISH <u>10:30pm</u>
LEASE <u>Krupp SPTER</u>	WELL# <u>#1</u>	LOCATION <u>Scott City S-12</u>			COUNTY <u>Scott</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)				<u>St 12</u>			

CONTRACTOR Duke #4 OWNER _____

TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 264'
 CASING SIZE 8 5/8 DEPTH 264'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15'
 PERFS. _____
 DISPLACEMENT 15.8 BBL

CEMENT AMOUNT ORDERED 175 com 390cc
2 90 gel

COMMON	<u>175</u>	@	<u>15 45</u>	<u>2703 75</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>20 00</u>	<u>62 40</u>
CHLORIDE	<u>6</u>	@	<u>88 00</u>	<u>349 20</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>184</u>	@	<u>2 40</u>	<u>441 60</u>
MILEAGE	<u>10 x 9 kmile</u>			<u>754 40</u>
TOTAL				<u>4311 35</u>

EQUIPMENT

PUMP TRUCK CEMENTER Fuzzy
 # 431 HELPER LaRene
 BULK TRUCK
 # 347 DRIVER Alan
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

Cement did circulate
Plus down @ 10:30pm
Thanks Fuzzy crew

SERVICE

DEPTH OF JOB	<u>264'</u>		
PUMP TRUCK CHARGE			<u>1018 00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>41</u>	@	<u>7 00</u>
MANIFOLD	<u>ahead</u>	@	<u>113 00</u>
		@	
		@	
TOTAL			<u>1418 00</u>

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

PLUG & FLOAT EQUIPMENT

<u>1.8 7/8 plug</u>	@	<u>68 00</u>
	@	
	@	
	@	
	@	
TOTAL		<u>68 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 Rich Wheeler
 SIGNATURE Rich Wheeler

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

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