

**CONFIDENTIAL**

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

9/8/11 Form ACO-1  
October 2008  
Form Must Be Typed  
**ORIGINAL**

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 Niernberger  
Phone: ( 316 ) 691-9500  
CONTRACTOR: License # 5929  
Name: Duke Drilling, Co., Inc.  
Wellsite Geologist: Mike Engelbrecht  
Purchaser: NCRA

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.: \_\_\_\_\_  
6/11/09      6/26/09      6/26/09  
Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date                Recompletion Date

API No. 15 - 063-21781-00-00  
Spot Description: 50' S & 279' E of  
C SE NE SE Sec. 20 Twp. 13 S. R. 31  East  West  
1600 Feet from  North /  South Line of Section  
51 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Gove  
Lease Name: Hess Unit Well #: 1  
Field Name: \_\_\_\_\_  
Producing Formation: LKC  
Elevation: Ground: 2877' Kelly Bushing: 2886'  
Total Depth: 4577' Plug Back Total Depth: 4540'  
Amount of Surface Pipe Set and Cemented at: 232 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 2356' Feet  
If Alternate II completion, cement circulated from: surface  
feet depth to: 2356' w/ 385 sx cmt.

Drilling Fluid Management Plan AA IN 10-29-09  
*(Data must be collected from the Reserve Pit)*  
Chloride content: 13700 ppm Fluid volume: 1250 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: [Signature]  
Title: Production Manager Date: 9/8/09  
Subscribed and sworn to before me this 8<sup>th</sup> day of September,  
20 09.  
Notary Public: [Signature]  
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

**RECEIVED**  
**SEP 09 2009**  
**KCC WICHITA**

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

Operator Name: Ritchie Exploration, Inc. Lease Name: Hess Unit Well #: 1  
 Sec. 20 Twp. 13 S. R. 31  East  West County: Gove

**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>Dual Induction Log</b> <b>Compensated Density/Neutron Log</b>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum  SEE ATTACHED  <div style="text-align: right; font-weight: bold; font-size: 1.2em;">                     KCC                      SEP 08 2009                      CONFIDENTIAL                 </div>
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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#	232'	common	175	3%cc, 2%gel
Production	7-7/8	5-1/2	15.5#	4565'	ASC	200	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	4080.5' - 4084' (7/8/09)	500 GALS 15% NE	
4	3944' - 3946.5' (7/8/09) *(ABOVE PKR @ 4030')	500 GALS 15% NE	

TUBING RECORD: Size: <u>2-7/8</u> Set At: <u>4536'</u> Packer At: <u>4030'</u>		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>7/24/09</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 Bbls. <u>176.55</u>	Gas Mcf <u> </u> Water Bbls. <u>.35</u> Gas-Oil Ratio <u> </u> Gravity <u>40</u>

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: _____ <div style="text-align: right; font-weight: bold; font-size: 1.2em;">RECEIVED</div>
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**#1 Hess Unit**

1600' FSL & 51' FEL  
50' S & 279' E of C SE NE SE Section 20-13S-31W  
Gove County, Kansas  
API# 15-063-21781-0000  
Elevation: 2877' GL: 2886' KB

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<u>Sample Tops</u>			<u>Ref. Well</u>
Anhydrite	2365'	+521	-10
B/Anhydrite	2388'	+498	-10
Heebner	3866'	-980	-7
Lansing	3908'	-1022	-8
Lansing "C"	3941'	-1055	-8
Lansing "D"	3969'	-1083	-8
Lansing "E"	3989'	-1103	-8
Lansing "H"	4077'	-1191	-6
Lansing "I"	4106'	-1220	-4
Lansing "J"	4124'	-1238	-4
Lansing "K"	4157'	-1271	-8
Lansing "L"	4193'	-1307	-6
BKC	4220'	-1334	-7
Altamont	4275'	-1389	-12
Pawnee	4350'	-1464	-5
Myric	4384'	-1498	-4
Fort Scott	4403'	-1517	-4
Cherokee Shale	4430'	-1544	-4
Johnson	4474'	-1588	-5
Morrow Sand	4501'	-1615	-3
Mississippian	4516'	-1630	-7
RTD	4577'	-1691	

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# ALLIED CEMENTING CO., LLC. 035072 A

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

SERVICE POINT:

*Dakky*

DATE <i>6/11/09</i>	SEC. <i>20</i>	TWP. <i>13</i>	RANGE <i>31</i>	CALLED OUT	ON LOCATION <i>2:30pm</i>	JOB START <i>4:30pm</i>	JOB FINISH <i>4:45pm</i>
LEASE # <i>Hess Unit</i>	WELL # <i>#1</i>	LOCATION <i>Dakky 11S 3E 4 1/2 S 1E</i>			COUNTY <i>Soupe</i>	STATE <i>KS</i>	
OLD OR (NEW) (Circle one)			NINTO				

CONTRACTOR *Duke #4*

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4* T.D. *233*

CASING SIZE *8 7/8* DEPTH *232 22*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. *15'*

PERFS.

DISPLACEMENT *13.82 BBL*

OWNER *Same*

CEMENT

AMOUNT ORDERED *175 4Kc Corn*

*3070 cc 290 Gcl*

COMMON	<i>175 4K1</i>	@	<i>15 45</i>	<i>2703 25</i>
POZMIX		@		
GEL	<i>3</i>	@	<i>27 80</i>	<i>62 40</i>
CHLORIDE	<i>6</i>	@	<i>58 20</i>	<i>349 20</i>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<i>184 SK</i>	@	<i>2 40</i>	<i>441 60</i>
MILEAGE	<i>10 + 5K/mile</i>			<i>368 00</i>
			TOTAL	<i>3924 95</i>

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EQUIPMENT

PUMP TRUCK CEMENTER *Alan*

# *422* HELPER *Wayne*

BULK TRUCK

# *377* DRIVER *Darren*

BULK TRUCK

# DRIVER

REMARKS:

*Cement D-52 Circulate*

*Thank You*

*Alan, Wayne, Darren*

CHARGE TO: *Ritchie Exploration*

STREET \_\_\_\_\_

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

SERVICE

DEPTH OF JOB *232*

PUMP TRUCK CHARGE *1018 00*

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

MILEAGE *20* @ *7 00* *140 00*

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

TOTAL *1158 00*

PLUG & FLOAT EQUIPMENT

*2 1/2" Wooden Plug* @ *68 00* *68 00*

TOTAL *68 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 *Rich Wheeler*

SIGNATURE *Rich Wheeler*

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

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

NO COPY

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# ALLIED CEMENTING CO., LLC. 043559

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

SERVICE POINT:  
Oakley, KS

DATE <u>6-30-09</u>	SEC. <u>29</u>	TWP. <u>13</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION <u>7:30am</u>	JOB START <u>10:30am</u>	JOB FINISH <u>11:30am</u>
LEASE <u>Express Well</u>	WELL # <u>#1</u>	LOCATION <u>Oakley 115-42-36</u>			COUNTY <u>Gove</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)				<u>NEW</u>			

CONTRACTOR Express Well Service  
 TYPE OF JOB Port Collar  
 HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_  
 CASING SIZE 5 1/2 DEPTH \_\_\_\_\_  
 TUBING SIZE 2 7/8 DEPTH 2356'  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 13.6

OWNER Ridgely

CEMENT  
 AMOUNT ORDERED 500 sfs 6040  
6040 6 7/8" 114# Classen  
(used 385 sfs)

COMMON	<u>231</u>	@ <u>15.45</u>	<u>3568.95</u>
POZMIX	<u>154</u>	@ <u>8.00</u>	<u>1232.00</u>
GEL	<u>20</u>	@ <u>20.80</u>	<u>416.00</u>
CHLORIDE		@	
ASC		@	
		@	
<u>Flow-seal</u>	<u>1254</u>	@ <u>2.50</u>	<u>312.50</u>
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>551</u>	@ <u>2.00</u>	<u>1274.00</u>
MILEAGE	<u>10494 mile</u>		<u>1002.00</u>
TOTAL			<u>7865.95</u>

EQUIPMENT  
 PUMP TRUCK CEMENTER Russell  
 # 431 HELPER Kelly  
 BULK TRUCK  
 # 394 DRIVER Wayne  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:

Test Tool to 1200' & hold  
Get circulation. mix 385 sfs  
6040 6 7/8" 114# Flow-seal.  
Displace 15 Bbl. Close tool @ 1200'  
return 1/2 hrs reverse & clean  
cement & circulate approx 18  
Bbls. Job complete @ 11:30am  
Thanks to Express crew

SERVICE

DEPTH OF JOB	_____		
PUMP TRUCK CHARGE	<u>1185</u>		
EXTRA FOOTAGE		@	
MILEAGE	<u>20</u>	@ <u>7.00</u>	<u>140</u>
MANIFOLD		@	
		@	
		@	
TOTAL			<u>1185.00</u>

CHARGE TO: Ridgely Exploration  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		

TOTAL \_\_\_\_\_

To Allied Cementing Co., LLC.  
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PRINTED NAME \_\_\_\_\_

SIGNATURE Thomas A. A...

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

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