

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

9/29/11

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

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CONTRACTOR: License # 30606
Name: Murfin Drilling Co., Inc.
Wellsite Geologist: Terry McLeod
Purchaser: _____

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Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW
 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.: _____
6/29/09 7/16/09 7/7/09
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 063-21785-00-00
Spot Description: 144' N & 24' E of
C NW NE SW Sec. 21 Twp. 13 S. R. 31 East West
2454 Feet from North / South Line of Section
1674 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Gove
Lease Name: Hess 21CB Unit Well #: 1
Field Name: _____
Producing Formation: _____
Elevation: Ground: 2877 Kelly Bushing: 2882
Total Depth: 4621 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 210 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 PANJ10-2809
(Data must be collected from the Reserve Pit)
Chloride content: 15000 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: _____
Title: Production Manager Date: 9/29/09
Subscribed and sworn to before me this 29th day of September
20 09.
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: Hess 21CB Unit Well #: 1
 Sec. 21 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: 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 <div style="text-align: right; font-weight: bold; font-size: 1.2em;"> KCC SEP 29 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	210	common	165	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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or Enhr. _____ Producing Method: Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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 Hess 21CB Unit

2454' FSL & 1674' FWL

144' N & 24' E of C NW NE SW Section 21-13S-31W

Gove County, Kansas

API# 15-063-21785-0000

Elevation: 2877' GL: 2882' KB

<u>Sample Tops</u>			<u>Ref.</u>	<u>Well</u>
Anhydrite	2372'	+510	-11	
B/Anhydrite	2395'	+487	-11	
Heebner	3889'	-1007	-25	
Lansing	3930'	-1048	-26	
Lansing "C"	3966'	-1084	-26	
Lansing "D"	3982'	-1100	-16	
Lansing "H"	4099'	-1217	-23	
Lansing "I"	4129'	-1247	-25	
BKC	4238'	-1356	-17	
Pawnee	4360'	-1478	-10	
Fort Scott	4417'	-1535	-13	
Cherokee Shale	4442'	-1560	-12	
Johnson	4484'	-1602	-10	
Morrow Sand	4519'	-1637	n/a	
Mississippian	4550'	-1668	-34	
RTD	4620'	-1738		

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ALLIED CEMENTING CO., LLC. 043558

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

SERVICE POINT:
Oakley KS

DATE <u>6-30-09</u>	SEC. <u>21</u>	TWP. <u>13</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION <u>12:30am</u>	JOB START <u>6:30am</u>	JOB FINISH <u>7:00pm</u>
LESS LEASE <u>21CB</u>	UNIT WELL# <u>#1</u>	LOCATION <u>Oakley Pls. 46.35</u>			COUNTY <u>Gove</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>				1E NS			

CONTRACTOR Precision Drilling LLC OWNER Ritchie Exploration

TYPE OF JOB <u>SunSeal</u>	CEMENT AMOUNT ORDERED <u>165 com 390cc</u>
HOLE SIZE <u>12 1/4 T.D.</u>	<u>290cc</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>165</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS.	
DISPLACEMENT <u>12.3 BBLs</u>	

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Fuzz</u>
# <u>431</u>	HELPER <u>Polly</u>
BULK TRUCK	
# <u>386</u>	DRIVER <u>Darin</u>
BULK TRUCK	
#	DRIVER

COMMON	<u>165</u>	@ <u>15.45</u>	<u>2549.25</u>
POZMIX		@	
GEL	<u>3</u>	@ <u>20.00</u>	<u>60.00</u>
CHLORIDE	<u>6</u>	@ <u>58.20</u>	<u>349.20</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>154</u>	@ <u>2.45</u>	<u>417.40</u>
MILEAGE	<u>102.5</u>	@ <u>3.48</u>	<u>358.00</u>
TOTAL			<u>3726.45</u>

REMARKS:
Cement did circulate
Job complete @ 7:00am
Thanks Fuzz & crew

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

SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE	<u>1018.25</u>
EXTRA FOOTAGE	@
MILEAGE <u>20</u>	@ <u>7.00</u> <u>140.00</u>
MANIFOLD	@
	@

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PLUG & FLOAT EQUIPMENT
KCC WICHITA

TOTAL 1158.25

	@	
	@	
	@	
	@	
	@	
TOTAL _____		

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 Anthony Martin
SIGNATURE Anthony Martin

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

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