

CONFIDENTIAL

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: John Niernberger  
Phone: (316) 691-9500  
CONTRACTOR: License # 30606  
Name: Murfin Drilling, Co., Inc.  
Wellsite Geologist: Terry McLeod  
Purchaser: NCRA

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.)

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.: \_\_\_\_\_  
6/19/09 6/27/09 6/27/09  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 063-21782-00-00  
Spot Description: 5' S  
C N/2 NW NW Sec. 29 Twp. 13 S. R. 31  East  West  
335 Feet from  North /  South Line of Section  
660 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Gove  
Lease Name: Hess 29B Well #: 1  
Field Name: \_\_\_\_\_  
Producing Formation: LKC  
Elevation: Ground: 2865' Kelly Bushing: 2870'  
Total Depth: 4579' Plug Back Total Depth: 4546'  
Amount of Surface Pipe Set and Cemented at: 222 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 2343' Feet  
If Alternate II completion, cement circulated from: surface  
feet depth to: 2343' w/ 750 sx cmt.

Drilling Fluid Management Plan Alt II NJ 9-30-09  
(Data must be collected from the Reserve Pit)  
Chloride content: 29100 ppm Fluid volume: 800 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: 9/14/09  
Subscribed and sworn to before me this 14<sup>th</sup> day of September,  
2009.  
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

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SEP 16 2009

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

KCC WICHITA

Operator Name: Ritchie Exploration, Inc. Lease Name: Hess 29B Well #: 1  
 Sec. 29 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 14 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#	222'	common	175	3%cc, 2%gel
Production	7-7/8	5-1/2	15.5#	4571'	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	3950' - 3954' (7/29/09)		

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TUBING RECORD: Size: <u>2-7/8</u> Set At: <u>4537'</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>8/7/09</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>226.</u>	Gas Mcf _____ Water Bbls. <u>.20</u> Gas-Oil Ratio _____ 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: _____ _____
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**#1 Hess 29B**

335' FNL & 660' FWL

5' S of C N/2 NW NW Section 29-13S-31W

Gove County, Kansas

API# 15-063-21782-0000

Elevation: 2865' GL: 2870' KB

<u>Sample Tops</u>			<u>Ref.</u> <u>Well</u>
Anhydrite	2347'	+523	-8
B/Anhydrite	2370'	+500	-8
Heebner	3860'	-999	-17
Lansing	3901'	-1031	-17
Lansing "C"	3932'	-1062	-15
Lansing "D"	3959'	-1089	-14
Lansing "E"	3979'	-1109	-14
Lansing "H"	4066'	-1196	-11
Lansing "I"	4096'	-1226	-10
Marmaton	4239'	-1369	-14
Altamont	4260'	-1390	-13
Pawnee	4341'	-1471	-12
Myric	4377'	-1507	-13
Fort Scott	4395'	-1525	-12
Cherokee Shale	4426'	-1556	-16
Johnson	4470'	-1600	-17
Morrow Sand	4495'	-1625	-14
Mississippian	4534'	-1664	-41
RTD	4580'	-2710	

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# ALLIED CEMENTING CO., LLC. 043634

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

SERVICE POINT:

Oakley

Hess 29B-1

DATE <u>6-22-09</u>	SEC <u>29</u>	TWP <u>13</u>	RANGE <u>31W</u>	CALLED OUT	ON LOCATION <u>5:30 p.m.</u>	JOB START <u>11:30 am</u>	JOB FINISH <u>12:30 Am</u>
LEASE <u>Hess B</u>	WELL # <u>1</u>	LOCATION <u>Oakley</u>	<u>115 3E 45</u>	COUNTY <u>Gove</u>	STATE <u>Ks</u>		
OLD OR <u>NEW</u> (Circle one)		<u>SE into</u>					

CONTRACTOR Murfin Drilling Rig 24 OWNER same

TYPE OF JOB Production

HOLE SIZE 7 7/8 T.D. CEMENT AMOUNT ORDERED 250 sks ASC 10% salt

CASING SIZE 5 1/2 DEPTH 4571 2% gel 34 of 1% CD-31

TUBING SIZE DEPTH 500 gal WFR-2

DRILL PIPE DEPTH

TOOL Port collar DEPTH 2343'

PRES. MAX MINIMUM COMMON @

MEAS. LINE SHOE JOINT 19.56 POZMIX @

CEMENT LEFT IN CSG. 19.56 GEL 5 sks @ 20.80 104.00

PERFS. CHLORIDE @

DISPLACEMENT 108.32 ASC 250 sks @ 18.60 4650.00

**EQUIPMENT**

PUMP TRUCK CEMENTER Andrew

# 423-281 HELPER Laraine

BULK TRUCK

# 377 DRIVER Darrin

BULK TRUCK

# DRIVER

**CEMENT**

AMOUNT ORDERED 250 sks ASC 10% salt

2% gel 34 of 1% CD-31

500 gal WFR-2

COMMON @

POZMIX @

GEL 5 sks @ 20.80 104.00

CHLORIDE @

ASC 250 sks @ 18.60 4650.00

@

salt 23 sks @ 23.95 550.85

@

CD-31 176 # @ 9.35 1645.60

@

WFR-2 500 gal @ 1.27 635.00

@

HANDLING 281 sks @ 2.40 674.40

MILEAGE 107 sk/mile 562.00

TOTAL ~~8821.85~~  
8821.85

**REMARKS:**

Pump 500 gal WFR-2 plug RH  
30 sks MH 20 sks mix 200  
skts down 5 1/2 wash dump and  
line clean displace plug  
90 BBL out lost 200# on pump  
pressure slowed rate down  
still circulating 600 # LIFT  
pressure plug landed 1000#  
float held  
thank you

**SERVICE**

DEPTH OF JOB 4571'

PUMP TRUCK CHARGE 2185.00

EXTRA FOOTAGE @

MILEAGE 20 miles @ 7.00 140.00

MANIFOLD @

@

TOTAL 2325.00

CHARGE TO: Ritchie Exploration

STREET \_\_\_\_\_

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

5/2 **PLUG & FLOAT EQUIPMENT**

1 Guide shoe 192.00

1 API Insert @ 293.00

1 Post collar @ 1250.00

3 Baskets @ 186.00 558.00

8 TurboLizers @ 79.00 632.00

1 Rubber plug @ 24.00

TOTAL 3499.00

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.

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

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

PRINTED NAME \_\_\_\_\_

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

SIGNATURE Thomas A. A. [Signature]

AW

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# ALLIED CEMENTING CO.. LLC. 043560

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

SERVICE POINT:  
OAKHURKS

*Hess 29B-1*

DATE <u>6.30.09</u>	SEC. <u>20</u>	TWP. <u>13s</u>	RANGE <u>31w</u>	CALLED OUT	ON LOCATION <u>(2:00pm)</u>	JOB START <u>5:30</u>	JOB FINISH <u>6:30pm</u>
LEASE <u>Mess B</u>	WELL# <u>#1</u>	LOCATION <u>Oakley U.S. 46-35</u>			COUNTY <u>Gove</u>	STATE <u>Ks</u>	
OLD OR <u>NEW</u> (Circle one)				<u>ETS</u>			

CONTRACTOR Express well Service

TYPE OF JOB Port Collar

HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_

CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

TUBING SIZE 7 7/8 DEPTH 2343'

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

DISPLACEMENT 13.5

OWNER \_\_\_\_\_

CEMENT

AMOUNT ORDERED 950 gals 60/40  
690 gal 11c + 600 gal

COMMON	<u>450</u>	@ <u>15.45</u>	<u>6952.50</u>
POZMIX	<u>300</u>	@ <u>8.00</u>	<u>2400.00</u>
GEL	<u>39</u>	@ <u>20.20</u>	<u>811.80</u>
CHLORIDE		@	
ASC		@	
		@	
<u>Flo-Sol</u>	<u>188</u>	@ <u>2.50</u>	<u>470.00</u>
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>796</u>	@ <u>2.40</u>	<u>1910.40</u>
MILEAGE	<u>.10 x 524 mile</u>		<u>52.40</u>
TOTAL			<u>14136.10</u>

**EQUIPMENT**

PUMP TRUCK CEMENTER Tommy

# 431 HELPER Kelly

BULK TRUCK

# 394 DRIVER Wayne

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

Test Tool @ 1200' 2 held  
open tool est. circulation  
mix 340 gals wait 20 min mix 175 gals  
wait 40 min mix 175 gals wait 20 min  
mix 225 gals. Displace 138 gal  
close deal press to 1200'  
Run 455 gals reverse down.  
Cement did not circulate

**SERVICE**

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_ 900.00

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

MILEAGE 20 @ 7.00 n/c

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

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL 900.00

Plug down @ 6:30 pm  
max lift press 700'

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 THOMAS A ATKINS

SIGNATURE Thomas A Atkins

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

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

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

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# ALLIED CEMENTING CO., LLC. 043553

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

SERVICE POINT:  
Oakley KS

DATE 6-19-09	SEC. 29	TWP. 13s	RANGE 31w	CALLED OUT 3:30	ON LOCATION 10:30pm	JOB START 10:30pm	JOB FINISH 11:00pm
LEASE Hess	WELL# B#1	LOCATION Oakley 11s-4E-35			COUNTY Gove	STATE KS	
OLD OR <u>NEW</u> (Circle one)				C#			

CONTRACTOR Murphy #24 OWNER \_\_\_\_\_

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 222'

CASING SIZE 8 5/8 DEPTH 222'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15'

PERFS. \_\_\_\_\_

DISPLACEMENT 13.1

CEMENT AMOUNT ORDERED 160 com 390c  
290 gel

COMMON	<u>160</u>	@ <u>15.45</u>	<u>2472.00</u>
POZMIX		@	
GEL	<u>3</u>	@ <u>20.80</u>	<u>62.40</u>
CHLORIDE	<u>6</u>	@ <u>58.20</u>	<u>349.20</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>169</u>	@ <u>2.40</u>	<u>405.60</u>
MILEAGE	<u>10.9</u>	@ <u>30.10</u>	<u>328.10</u>
TOTAL			<u>3627.20</u>

**EQUIPMENT**

PUMP TRUCK CEMENTER Fuzzy

# 431 HELPER Walt

BULK TRUCK

# 377 DRIVER Darren

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

cement did circulate

Approx 500h

Bob complete @ 11:15pm

Thanks Fuzzy & crew

**SERVICE**

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_ 1018.00

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

MILEAGE 20 @ 7.00 140.00

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

@ \_\_\_\_\_

@ \_\_\_\_\_

CHARGE TO: Ritchie Exploration

STREET \_\_\_\_\_

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

TOTAL 1158.00

**PLUG & FLOAT EQUIPMENT**

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

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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