

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

11/04/11

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
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: Steve Carl
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.)

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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.: _____
7/16/09 7/26/09 7/26/09
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 063-21791-00-00
Spot Description: 35'S & 35'W of C
NW NW SE SW Sec. 29 Twp. 13 S. R. 31 East West
1120 Feet from North / South Line of Section
1450 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Gove
Lease Name: Hess 29C Well #: 1
Field Name: _____
Producing Formation: LKC/Myric/Johnson
Elevation: Ground: 2887 Kelly Bushing: 2897
Total Depth: 4610 Plug Back Total Depth: 4554
Amount of Surface Pipe Set and Cemented at: 224 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 2361 Feet
If Alternate II completion, cement circulated from: surface
feet depth to: 2361 w/ 315 sx cm.

Drilling Fluid Management Plan AT INS 11-24-09
(Data must be collected from the Reserve Pit)
Chloride content: 13800 ppm Fluid volume: 950 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: 11/4/09
Subscribed and sworn to before me this 4th day of November, 2009.
Notary Public: Debra K. Phillips
Date Commission Expires: 5-4-11

DEBRA K. PHILLIPS
Notary Public - State of Kansas
My Appt. 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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Operator Name: Ritchie Exploration, Inc. Lease Name: Hess 29C 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 Yes No
 (Attach Additional Sheets)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy)

Log Formation (Top), Depth and Datum Sample
 Name Top Datum

List All E. Logs Run:
Dual Induction Log
Compensated Density/Neutron Log

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	224	common	165	3%cc, 2%gel
Production	7-7/8	5-1/2	15.5	4603	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	4486' - 4489' (8/6/09)		
4	4392' - 4396' (8/6/09)	500 gals 15% NE	RECEIVED NOV 05 2009 KCC WICHITA
4	4087' - 4092' (8/10/09)	750 gals 15% NE	

TUBING RECORD: Size: <u>2-7/8</u> Set At: <u>4545'</u> Packer At: <u> </u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <u>8/13/09</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>265.7</u> Gas Mcf <u> </u> Water Bbls. <u>0</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 (If vented, Submit ACO-18.)	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) <u> </u>	PRODUCTION INTERVAL: _____ _____
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#1 Hess 29C
 1120' FSL & 1450' FWL
 35'S & 35'W of C NW NW SE SW Section 29-13S-31W
 Gove County, Kansas
 API# 15-063-21791-0000
 Elevation: 2887' GL: 2897' KB

Sample Tops			Ref. Well
Anhydrite	2371'	+526	+1 CONFIDENTIAL
B/Anhydrite	2393'	+504	+3
Heebner	3880'	-983	+6
Lansing	3926'	-1029	+7
Lansing "C"	3959'	-1062	+7
Lansing "D"	3975'	-1078	+9
Lansing "E"	4000'	-1103	+13
Muncie Shale	4071'	-1174	+9
Lansing "H"	4085'	-1188	+9
Lansing "I"	4119'	-1222	+7
Lansing "J"	4139'	-1242	+9
Stark Shale	4159'	-1262	+9
Lansing "K"	4167'	-1270	+9
Lansing "L"	4207'	-1310	+7
BKC	4232'	-1335	+8
Pawnee	4360'	-1463	+4
Myric Station	4393'	-1496	+6
Cherokee Shale	4437'	-1540	+7
Johnson	4479'	-1582	+7
Morrow Sand	4511'	-1614	flat
Mississippian	4522'	-1625	+19
RTD	4610'	-1713	

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ALLIED CEMENTING CO., LLC. 043646

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

SERVICE POINT:

Oakley

DATE <u>2-26-09</u>	SEC <u>29</u>	TWP. <u>13</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION	JOB START <u>8:20am</u>	JOB FINISH <u>9:00am</u>
LEASE <u>HES 290</u>	WELL# <u>1</u>	LOCATION <u>Oakley</u>		<u>115 3E 5S</u>	COUNTY <u>Gove</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>		<u>1/4 E N into</u>					

CONTRACTOR Murfin 14
 TYPE OF JOB Production
 HOLE SIZE 2 7/8 T.D. 4610
 CASING SIZE 5 1/2 DEPTH 4603'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL Port collar DEPTH 2361'
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 20'
 CEMENT LEFT IN CSG. 20'
 PERFS.
 DISPLACEMENT 109.07 BBL

OWNER same
 CEMENT
 AMOUNT ORDERED 250 SKS ASC 280 gal
1000 salt 5# sk Gilsonite 340 F1%
CD-31 500gal WFR-2
 COMMON @
 POZMIX @
 GEL @
 CHLORIDE @
 ASC 250 SKS @ 18.10 4650.00

EQUIPMENT

PUMP TRUCK CEMENTER Andrew
 # 423-281 HELPER Larene
 BULK TRUCK
 # 322 DRIVER Alan
 BULK TRUCK DRIVER NOV 04 2009

Gilsonite 1250# @ .89 1112.50
salt 23 SKS @ 23.85 550.85
CD-31 12# @ 9.35 1645.60
WFR-2 500gal @ 1.27 635.00
 HANDLING 320 SKS @ 2.10 680.00
 MILEAGE 10# sk/mile 640.00

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TOTAL 10001.95

REMARKS:

Pump WFR-2 Plug MH RH
Mix 200 SKS ASC Down center
Displace plug 100 LIFT Pressure
1400# Land plug plug land
float held.

thank you

SERVICE

DEPTH OF JOB 4603'
 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 101.00
1 AFU Insert @ 112.00
1 weatherford Basket @ 180.00
3 Baskets @ 161.00 483.00
8 ~~estaboli~~ 2.015 @ 42.00 336.00
1 Port collar @ 1 1250.00
1 Rubber plug 74.00
 TOTAL 3042.00

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 _____
 DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME _____
 SIGNATURE Thomas A. Ad

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ALLIED CEMENTING CO., LLC. 044102

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

SERVICE POINT:

Oakley

DATE <i>7/16/09</i>	SEC. <i>29</i>	TWP. <i>13</i>	RANGE <i>31 W</i>	CALLED OUT	ON LOCATION <i>7:30pm</i>	JOB START <i>10:45</i>	JOB FINISH <i>11:15</i>
LEASE <i>Heas 29c</i>	WELL # <i>#1</i>	LOCATION <i>Oakley 11 S 3E 55 E N120</i>			COUNTY <i>Grove</i>	STATE <i>K</i>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR *Murkin 14* OWNER *Some*

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4* T.D. *227* CEMENT AMOUNT ORDERED *165 SK Com 300 cc*

CASING SIZE *8 1/2* DEPTH *227'* *20% gel*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM COMMON *165 SK* @ *15.45* *2549²⁵*

MEAS. LINE SHOE JOINT POZMIX @ *40*

CEMENT LEFT IN CSG. *15'* GEL @ *20²²* *62*

PERFS. CHLORIDE @ *58²⁰* *349²⁰*

DISPLACEMENT *13 1/2 BBL* ASC @

EQUIPMENT @

PUMP TRUCK CEMENTER *Alan* **CONFIDENTIAL** @

422 HELPER *Wayne* @

BULK TRUCK # *347* DRIVER *Terry* @

BULK TRUCK # DRIVER @

HANDLING *174* @ *2.40* *417⁰⁰*

MILEAGE *60 SK/mile* @ *348⁰⁰*

TOTAL *3726⁴⁵*

REMARKS:

Cement Did Circulate

Thank You Alan Wayne, Terry

CHARGE TO: *Ritchie Exp.*

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB *227'*

PUMP TRUCK CHARGE *1012⁰⁰*

EXTRA FOOTAGE @

MILEAGE *20* @ *7⁰⁰* *140⁰⁰*

MANIFOLD @

TOTAL *1158⁰⁰*

PLUG & FLOAT EQUIPMENT

@

@

@

@

TOTAL

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME *Craig Church*

SIGNATURE *Craig Church*

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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.

ALLIED CEMENTING CO., LLC. 043688

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

SERVICE POINT:
Oakley KS

DATE <u>7-30-09</u>	SEC. <u>29</u>	TWP. <u>13</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION <u>1:30pm</u>	JOB START <u>3:30pm</u>	JOB FINISH <u>4:30am</u>
LEASE <u>Hess 29</u>	WELL# <u>#1</u>	LOCATION <u>Oakley 115-46-55</u>			COUNTY <u>Gove</u>	STATE <u>KS</u>	
OLD OR NEW? (Circle one) <u>NEW</u>				<u>e and n in</u>			

CONTRACTOR Express Well Service OWNER _____
 TYPE OF JOB Port Collar
 HOLE SIZE _____ T.D. _____
 CASING SIZE 5 1/2 DEPTH _____
 TUBING SIZE 2 7/8 DEPTH 2358'
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT 13.6

CEMENT
 AMOUNT ORDERED 500 gals 60140
690 gal 14" Clo-scal 14" Clo-scal
500# hulls used 315 & 400#

COMMON	<u>189</u>	@ <u>15.45</u>	<u>2920.05</u>
POZMIX	<u>126</u>	@ <u>8.00</u>	<u>1008.00</u>
GEL	<u>18</u>	@ <u>20.00</u>	<u>332.00</u>
CHLORIDE		@	
ASC		@	
		@	
Hulls	<u>8</u>	@ <u>31.85</u>	<u>254.80</u>
		@	
Clo-scal	<u>79#</u>	@ <u>2.50</u>	<u>197.50</u>
		@	
		@	
		@	
HANDLING	<u>540</u>	@ <u>2.40</u>	<u>1296.00</u>
MILEAGE	<u>.10 x 52 mile</u>		<u>1080.00</u>
			<u>7089.15</u>

EQUIPMENT
CONFIDENTIAL
 PUMP TRUCK CEMENTER Fuzzy
 # 431 HELPER KEVIN NOV 04 2009
 BULK TRUCK
 # 394 DRIVER Wayne KCC
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:
Press tool to 1200' Establish
circulation mix 315 gals cement
+ 400# hulls Displace 13 BBL
Close Tool & Press to 1200'
cut run 4 J's Reverse & b's
clear. Cement did circulate
Job complete @ 4:30pm
THANKS Fuzzy & crew

SERVICE
 DEPTH OF JOB 2358
 PUMP TRUCK CHARGE 1185.00
 EXTRA FOOTAGE @ _____
 MILEAGE 20 @ 7.00 140.00
 MANIFOLD @ _____
 @ _____
 @ _____
 TOTAL 1325.00

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

PLUG & FLOAT EQUIPMENT
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 TOTAL _____

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

PRINTED NAME _____
 SIGNATURE [Signature]

RECEIVED
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 KCC WICHITA

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