

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

2/20/14

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

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 + 3188
Contact Person: John Niemberger
Phone: (316) 691-9500
CONTRACTOR: License # 30606
Name: Murfin Drilling Co., Inc.
Wellsite Geologist: Ted Jochems
Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., 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
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

11/25/11	12/4/11	12/4/11
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 057-20768-00-00
Spot Description: 145' N & 5' E
W/2_NW_NE Sec. 7 Twp. 26 S. R. 22 East West
515 Feet from North / South Line of Section
2,305 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Ford
Lease Name: Herron Well #: 1
Field Name: _____
Producing Formation: _____
Elevation: Ground: 2418 Kelly Bushing: 2429
Total Depth: 5050 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 386 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

(Data must be collected from the Reserve Pit)

Chloride content: 14600 ppm Fluid volume: 1050 bbls
Dewatering method used: evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Permit #: _____

FEB 20 2014

FEB 22 2012

KCC

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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.

AFFIDAVIT

I am the affiant and I hereby certify that 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: 2/20/12

KCC Office Use ONLY

- Letter of Confidentiality Received Date: 2/20/12 - 2/20/14
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: NJ Date: 2/24/12

Operator Name: Ritchie Exploration, Inc. Lease Name: Herron Well #: 1
 Sec. 7 Twp. 26 S. R. 22 East West County: Ford

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 complete copy of all Electric Wire-line 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 Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, 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
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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	386	common	240	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 <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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RITCHIE

EXPLORATION, INC.
Wichita, Kansas

#1 Herron

515' FNL & 2305' FEL
145' N & 5' E of W/2 NW NE Section 7-26S-22W
Ford County, Kansas
API# 15-057-20768-0000
Elevation: 2418' GL: 2429' KB

Sample Tops			Ref. Well
Anhydrite	1498'	+931	-15
B/Anhydrite	1520'	+909	-15
Stotler	3484'	-1055	-3
Heebner	4106'	-1677	-1
Lansing	4216'	-1787	-1
Muncie Shale	4394'	-1965	+1
Stark Shale	4502'	-2073	-6
BKC	4589'	-2160	+1
Altamont	4650'	-2221	-1
Pawnee	4722'	-2293	+1
Fort Scott	4751'	-2322	+4
Cherokee Shale	4773'	-2344	-1
Huck.	4838'	-2409	+2
Atoka Shale	4852'	-2423	+1
Mississippian	4885'	-2456	+2
RTD	5050'	-2621	

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ALLIED CEMENTING CO., LLC. 036122

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

SERVICE POINT:
Oakley, KS

DATE <u>11-26-11</u>	SEC. <u>7</u>	TWP. <u>26</u>	RANGE <u>22</u>	CALLED OUT	ON LOCATION <u>12:30pm</u>	JOB START <u>3:00am</u>	JOB FINISH <u>3:30am</u>
LEASE <u>Herron</u>		WELL # <u>1</u>		LOCATION <u>Spearville, KS 1/2 Sec 126</u>		COUNTY <u>Ford</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)			<u>1/2 W, 1/2 S, 4 W, 5 info</u>				

CONTRACTOR Murfin # 21
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4" TD. 386'
 CASING SIZE 8 7/8" DEPTH 386.
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 42.13
 CEMENT LEFT IN CSG. 42.13 ft
 PERFS. _____
 DISPLACEMENT 21.9661

OWNER same
 CEMENT AMOUNT ORDERED 240 SKS com 39.00
290 gal

EQUIPMENT
 PUMP TRUCK CEMENTER LaRene
 # 431 HELPER Darren
 BULK TRUCK
 # 347 DRIVER Tyler
 BULK TRUCK
 # _____ DRIVER _____

COMMON	<u>240 SKS @ 16.25</u>	<u>3900.00</u>
POZMIX	@	
GEL	<u>5 SKS @ 21.25</u>	<u>106.25</u>
CHLORIDE	<u>7 SKS @ 38.20</u>	<u>523.80</u>
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING	<u>254 SK @ 2.25</u>	<u>571.50</u>
MILEAGE	<u>114 SK/mile</u>	<u>1955.80</u>
		TOTAL <u>7057.35</u>

REMARKS:

Rem casing install head, break circulation with rig mud pump. Hook up to pump truck. Mix 240 SKS down casing. Release plug, wash up pump & lines & displace water down casing.
cement did circulate
Thank You

SERVICE

DEPTH OF JOB	<u>386'</u>	
PUMP TRUCK CHARGE		<u>1125.00</u>
EXTRA FOOTAGE	<u>86 @ .75</u>	<u>81.70</u>
MILEAGE	<u>70 X 2 @ 7.00</u>	<u>980.00</u>
MANIFOLD	<u>head @</u>	<u>300.00</u>
	<u>light vehicle mileage @ 4.00</u>	<u>560.00</u>
	@	
		TOTAL <u>2946.70</u>

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

PLUG & FLOAT EQUIPMENT

<u>8 7/8</u>		
(1) Baffle plate	@	<u>112.00</u>
(1) Basket	@	<u>478.00</u>
(2) Centralizer	@	<u>64.00</u>
(1) Wooden Plug	@	<u>92.00</u>
	@	
		TOTAL <u>846.00</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 Juan Torres
 SIGNATURE Juan Torres

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

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TL

ALLIED CEMENTING CO., LLC. 036130

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

SERVICE POINT: On R. 6 miles

DATE <u>12-4-11</u>	SEC. <u>7</u>	TWP. <u>26</u>	RANGE <u>22</u>	CALLED OUT	ON LOCATION <u>3:30pm</u>	JOB START <u>4:30pm</u>	JOB FINISH <u>6:30pm</u>
LEASE <u>Herron</u>	WELL # <u>1</u>	LOCATION <u>Spearville, 1/2 S, Y2W,</u>			COUNTY <u>Ford</u>	STATE <u>K9</u>	
OLD OR NEW (Circle one) <u>NEW</u>				<u>1/2 S, Y4 W, Swift</u>			

CONTRACTOR Murfin 21 OWNER same

TYPE OF JOB PT A

HOLE SIZE 7 7/8 T.D. 3050'

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH 1500'

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 15.64661

EQUIPMENT _____

PUMP TRUCK CEMENTER halane

431 HELPER Darren

BULK TRUCK DRIVER Ethan

396/306

BULK TRUCK DRIVER _____

CEMENT AMOUNT ORDERED 250 sks 6940 479gal

1/4" # flo-seal

COMMON	<u>150 sks</u>	@ <u>16.25</u>	<u>2437.50</u>
POZMIX	<u>100 sks</u>	@ <u>8.50</u>	<u>850.00</u>
GEL	<u>9 sks</u>	@ <u>21.25</u>	<u>191.25</u>
CHLORIDE		@	
ASC		@	
	<u>flo-seal 63#</u>	@ <u>2.70</u>	<u>170.10</u>
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>262 sks</u>	@ <u>2.25</u>	<u>589.50</u>
MILEAGE	<u>119 sks/mile</u>		<u>2737.90</u>
			TOTAL <u>6976.25</u>

REMARKS:

mix 50 sks at 1500'

mix 80 sks at 880'

mix 50 sks at 400'

mix 20 sks at 60'

plug mouse hole 20 sks

plug rat hole 30 sks

Thank you

CHARGE TO: Ratchine Exploration

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB 1500'

PUMP TRUCK CHARGE 1250.00

EXTRA FOOTAGE @ _____

MILEAGE 95 @ 7.00 665.00

MANIFOLD @ _____

2.00 mileage @ 4.00 380.00

TOTAL 2295.00

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 Juan Tinoco

SIGNATURE Juan Tinoco

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN CASH _____

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