

6/22/11

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

CONFIDENTIAL

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 4767
Name: Ritchie Exploration, Inc.
Address: P.O. Box 783188
City/State/Zip: Wichita, KS 67278-3188
Purchaser: NCRA
Operator Contact Person: John Niemberger
Phone: (316) 691-9500
Contractor: Name: WW Drilling, LLC
License: 33575
Wellsite Geologist: Mike Engelbrecht

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Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

JUN 22 2009

If Workover/Re-entry: Old Well Info as follows:

Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back _____ Plug Back Total Depth _____
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Enhr.?) _____ Docket No. _____

2/25/09	3/5/09	3/5/09
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 101-22156-00-00
County: Lane
_____ C. N/2 Sec. 35 Twp. 17 S. R. 30 East West
1330 feet from S (N) (circle one) Line of Section
2520 feet from E (W) (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE (NW) SW
Lease Name: Ehmke-Cramer Well #: 1

Field Name: _____
Producing Formation: Altaamont
Elevation: Ground: 2849 Kelly Bushing: 2854
Total Depth: 4622 Plug Back Total Depth: 4584
Amount of Surface Pipe Set and Cemented at 221 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2177 Feet
If Alternate II completion, cement circulated from 2177
feet depth to surface w/ 400 sx cmt.

Drilling Fluid Management Plan AAA NO 7-28-09
(Data must be collected from the Reserve Pit)
Chloride content 5900 ppm Fluid volume 825 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: 6/22/09
Subscribed and sworn to before me this 22nd day of June
20.09.
Notary Public: [Signature]
Date Commission Expires: _____

KCC Office Use ONLY

Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

KANSAS CORPORATION COMMISSION
JUN 23 2009

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

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Operator Name: Ritchie Exploration, Inc. Lease Name: Ehmke-Cramer Well #: 1
 Sec. 35 Twp. 17 S. R. 30 East West County: Lane

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 <p style="text-align: center; font-weight: bold;">SEE ATTACHED</p>
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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	221	common	165	3%cc, 2% gel
Production	7-7/8	5-1/2	15.5	4612	ASC	170	10% salt, 2% gel & 34% 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	4375.3' - 4378.3' (3/17/09)	500 gals NE	

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TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-7/8	4555'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. 3/25/09			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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	13.36		1.67		41.74

Disposition of Gas METHOD OF COMPLETION Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
(If vented, Submit ACO-18.) Other (Specify) _____



#1 Ehmke-Cramer

1330' FNL & 2520' FWL

10' S & 120' W of C N/2 SE Section 35-17S-30W

Lane County, Kansas

API# 15-101-22156-0000

Elevation: 2849' GL: 2854' KB

<u>Sample Tops</u>			<u>Ref.</u> <u>Well</u>
Anhydrite	2236'	+618	-18
B/Anhydrite	2255'	+599	-14
Heebner	3917'	-1063	-19
Lansing	3957'	-1103	-22
Stark Shale	4233'	-1379	-28
BKC	4310'	-1456	-20
Pleasanton	4313'	-1459	-17
Marmaton	4345'	-1491	-15
Altamont	4358'	-1504	-10
Altamont "B"	N/A		
Pawnee	4422'	-1568	-15
Fort Scott	4476'	-1622	-18
Cherokee Shale	4500'	-1646	-20
Johnson	4544'	-1690	-24
Mississippian	4570'	-1716	-21
RTD	4622'	-1768	

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JUN 23 2009

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P.O. Box 783188
Wichita, Kansas 67278-3188

(316) 691-9500
Fax (316) 691-9550
rei@ritchie-exp.com

8100 E. 22nd St. N., Bldg. 700
Wichita, Kansas 67226-2328

ALLIED CEMENTING CO.. LLC. 035033A

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

SERVICE POINT: Osage Ks

DATE <u>3/5/09</u>	SEC <u>35</u>	TWP <u>17</u>	RANGE <u>30</u>	CALLED OUT	ON LOCATION <u>6:00 Am</u>	JOB START <u>11:00</u>	JOB FINISH <u>12:00</u>
LEASE <u>Ethel Cramer</u>	WELL # <u>#1</u>	LOCATION <u>Healy 5S, 1/2 E Ninto</u>			COUNTY <u>Lane</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR WW 10
 TYPE OF JOB Production
 HOLE SIZE 7 7/8 T.D.
 CASING SIZE 5 1/2 15 1/2" DEPTH 4617
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL Port collar DEPTH 2181
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 19.7
 CEMENT LEFT IN CSG. 19.7
 PERFS.
 DISPLACEMENT 112 BBL 420

OWNER Same
 CEMENT
 AMOUNT ORDERED 195 SKS ASC
10% salt 2% gel 74-170 CD 31
 COMMON @
 POZMIX @
 GEL @
 CHLORIDE @
 ASC 195 SKs @ 18.60 3627.00
 @
500 Gal WFR II @ 1.22 635.00
 @
CD-31 137 lb @ 9.35 1280.75
 @
 @
 @
 @
 HANDLING 244 SKs @ 2.40 585.60
 MILEAGE 10.5 SK/mile @ 13.00 1370.00
 TOTAL 7348.75

EQUIPMENT
 PUMP TRUCK CEMENTER Alan
 # 422 HELPER Terry
 BULK TRUCK
 # 347 DRIVER Wil
 BULK TRUCK
 # DRIVER

REMARKS:
Mix WFR II - 500 gal Down 5 1/2"
Mix 15 SKs Rat Hole 10 SKs Mouse Hole
Mix 170 SKs ASC 10% salt 2% gel
3/4-170 CD-31 Down 5 1/2" Wash Truck to Line
Displace Plug TD Insert w/ 1800 lb Lift.
Load Plug @ 1600 lb. w/ 112 BBL Displace
ment, Insert Hole.
Thank You
Alan, Terry, Wil

CHARGE TO: Ritchie Exploration
 STREET
 CITY STATE ZIP

SERVICE
 DEPTH OF JOB 4617'
 PUMP TRUCK CHARGE 2185.00
 EXTRA FOOTAGE @
 MILEAGE 50 @ 7.00 350.00
 MANIFOLD Healy @ 11.30
 @
 @
 TOTAL 2648.00

PLUG & FLOAT EQUIPMENT
5 1/2" L - Port Collar - 1 1969.00
Centralizers - 7 @ 57.00 399.00
Guide Shoe - 1 @ 192.00 192.00
Baskets - 3 @ 186.00 558.00
Insert - 1 @ 293.00 293.00
W - Rubber Plug - 1 @ 74.00 74.00
 TOTAL 3485.00

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 Gary Rowe
 SIGNATURE Gary Rowe

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

KANSAS CORPORATION COMMISSION
 JUN 23 2009
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ETW

ALLIED CEMENTING CO., LLC. 035036 A

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

SERVICE POINT:

Dakley Ky

DATE <i>3/2/09</i>	SEC. <i>35</i>	TWP. <i>17</i>	RANGE <i>30</i>	CALLED OUT	ON LOCATION <i>12:00</i>	JOB START <i>1:00</i>	JOB FINISH <i>2:00</i>
LEASE <i>Elmer's Corner</i>	WELL # <i>1</i>	LOCATION <i>Healy 53 1/2 E N 20</i>			COUNTY <i>Lane</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one)							

CONTRACTOR *H2-Plains*

TYPE OF JOB *Port Collar - Production*

HOLE SIZE _____ T.D. _____

CASING SIZE *5 1/2 19 1/2* DEPTH _____

TUBING SIZE *2 7/8* DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL *Port Collar* DEPTH *2177'*

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT *12.6*

OWNER *Simme*

CEMENT AMOUNT ORDERED *475 SKs 60/40 69 0 gal*

1/4 lb Flo Seal

COMMON <i>240</i>	@ <i>15.45</i>	<i>3708.00</i>
POZMIX <i>160</i>	@ <i>8.25</i>	<i>1320.00</i>
GEL <i>21</i>	@ <i>20.20</i>	<i>424.20</i>
CHLORIDE _____	@ _____	_____
ASC _____	@ _____	_____
<i>Flo Seal 100</i>	@ <i>2.50</i>	<i>250.00</i>
HANDLING <i>805 SKs</i>	@ <i>2.40</i>	<i>1932.00</i>
MILEAGE <i>106 SKs/mile</i>		<i>2525.00</i>
TOTAL		<i>9411.00</i>

EQUIPMENT

PUMP TRUCK CEMENTER *Alan*

412 HELPER *Alan*

BULK TRUCK DRIVER *Wayne*

399 DRIVER _____

REMARKS:

Program 500 to 1250 - Held Port Tool

Take Injection into 5 1/2" @ 300 PSI. Mix

400 SKs 60/40 69 gal 1/4 lb Flo. Displace with

HAL. 100 SKs Chlor Tool Program to 1250

Held. Run 5 1/2" Reverse Tubing Clean.

500 - Cement D. d. Thank You

Circulate Alan, Wayne, Alan

CHARGE TO: *Ritche Exp.*

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB <i>2177'</i>		
PUMP TRUCK CHARGE		<i>2011.00</i>
EXTRA FOOTAGE _____	@ _____	_____
MILEAGE <i>50</i>	@ <i>7.00</i>	<i>350.00</i>
MANIFOLD _____	@ _____	_____
TOTAL		<i>2361.00</i>

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 *Gay Rowe*

SIGNATURE *Gay Rowe*

SALES TAX (if Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

CORPORATION COMMISSION

JUN 23 2009

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Ju

ALLIED CEMENTING CO., LLC. 043875

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

SERVICE POINT:
Oakley

DATE <u>2-25-09</u>	SEC. <u>35</u>	TWP. <u>17s</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION <u>3:00pm</u>	JOB START <u>6:30am</u>	JOB FINISH <u>2:00pm</u>
LEASE <u>Ehmke</u>	WELL # <u>1</u>	LOCATION <u>Healy 55 1/2</u>			COUNTY <u>Lane</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)		MINTO					

CONTRACTOR W-W Drilling Rigid OWNER same

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 13.18 BBL

CEMENT AMOUNT ORDERED 165 sks com
390cc 2% gel

EQUIPMENT

PUMP TRUCK CEMENTER Andrew
 # 423-281 HELPER Lairene
 BULK TRUCK
 # 347 DRIVER WIL
 BULK TRUCK
 # DRIVER

COMMON <u>165 sks</u>	@ <u>15.45</u>	<u>2549.25</u>
POZMIX	@	
GEL <u>3 sks</u>	@ <u>20.80</u>	<u>62.40</u>
CHLORIDE <u>6 sks</u>	@ <u>58.20</u>	<u>349.20</u>
ASC	@	
HANDLING <u>174 sks</u>	@ <u>2.40</u>	<u>417.60</u>
MILEAGE <u>108.56/mile</u>		<u>870.00</u>
TOTAL		<u>4248.45</u>

REMARKS:

Cement did circulate

thank you

SERVICE

DEPTH OF JOB <u>222'</u>		
PUMP TRUCK CHARGE		<u>1018.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>50 miles</u>	@ <u>7.00</u>	<u>350.00</u>
MANIFOLD	@	
TOTAL		<u>1368.00</u>

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 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 Lannie Lang
 SIGNATURE Lannie Lang

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

KANSAS CORPORATION COMMISSION
JUN 23 2009
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