

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM

CONFIDENTIAL

WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 4767
Name: Ritchie Exploration, Inc.
Address: P.O. Box 783188
City/State/Zip: Wichita, KS 67278-3188
Purchaser: _____
Operator Contact Person: John Niernberger
Phone: (316) 691-9500
Contractor: Name: L.D. Drilling, Inc.
License: 6039

Wellsite Geologist: Kim Shoemaker

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

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. _____

1/18/05 1/27/05 3/14/05
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 171-20593-00-00
County: Scott
130N - E/2 - E/2 - E/2 Sec. 14 Twp. 17 S. R. 31 East West
2510 feet from S / N (circle one) Line of Section
330 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW

Lease Name: Gruver-Cramer Well #: 1
Field Name: Wildcat

Producing Formation: Johnson

Elevation: Ground: 2904' Kelly Bushing: 2909'

Total Depth: 4625' Plug Back Total Depth: 4592'

Amount of Surface Pipe Set and Cemented at 231 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2291 Feet

If Alternate II completion, cement circulated from 2291'
feet depth to surface w/ 600 sx cmt.

Drilling Fluid Management Plan WAW 0-2607
(Data must be collected from the Reserve Pit)

Chloride content 14400 ppm Fluid volume 670 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: 5/11/05

Subscribed and sworn to before me this 11th day of May
20 05

Notary Public: Debra K. Phillips
Notary Public - State of Kansas
My Appt. Expires 5/11/07

Date Commission Expires: 5/11/07

KCC Office Use ONLY
YES Letter of Confidentiality Received
If Denied, Yes Date: _____
____ Wireline Log Received
____ Geologist Report Received
____ UIC Distribution

X

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Side Two

Operator Name: Ritchie Exploration, Inc. Lease Name: Gruver-Cramer Well #: 1
Sec. 14 Twp. 17 S. R. 31 East West County: Scott

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)

List All E. Logs Run:

Dual Induction Log
Gamma Ray CCL Log

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

SEE ATTACHED

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CASING RECORD table with columns: 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. Rows for Surface and Production.

ADDITIONAL CEMENTING / SQUEEZE RECORD table with columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives.

PERFORATION RECORD - Bridge Plugs Set/Type table with columns: Shots Per Foot, Specify Footage of Each Interval Perforated, Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used), Depth.

TUBING RECORD table with columns: Size, Set At, Packer At, Liner Run, Date of First, Resumerd Production, SWD or Enhr., Producing Method, Estimated Production Per 24 Hours, Oil Bbls., Gas Mcf, Water Bbls., Gas-Oil Ratio, Gravity.

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)



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ORIGINAL

#1 Gruver-Cramer
2510' FNL & 330' FEL
Section 14-17S-31W
Scott County, Kansas
API# 15-171-20593-00-00
Elevation: 2,904' GL, 2,909' KB

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<u>Sample Tops</u>			<u>Ref.</u> <u>Well</u>
Anhydrite	2297'	+612	-6
Base Anhydrite	2320'	+589	-9
Heebner	3906'	-997	-5
Lansing	3942'	-1033	-1
Muncie Shale	4128'	-1219	-8
Stark Shale	4221'	-1312	-5
Hush Shale	4264'	-1355	-7
B/KC	4303'	-1394	-4
Altamont	4351'	-1442	-4
Pawnee	4421'	-1512	-4
Fort Scott	4473'	-1564	-6
Cherokee Shale	4494'	-1585	-4
Johnson	4532'	-1623	-1
Mississippi	4566'	-1657	+3
RTD	4625'	-1716	

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ALLIED CEMENTING CO., INC. 19490 ORIGINAL

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

SERVICE POINT: Oakley

DATE <u>1-18-05</u>	SEC. <u>14</u>	TWP. <u>17^s</u>	RANGE <u>31^w</u>	CALLED OUT	ON LOCATION <u>2:00 AM</u>	JOB START <u>4:30 AM</u>	JOB FINISH <u>8:30 AM</u>
LEASE <u>Graves - Examer</u> WELL # <u>1</u> LOCATION <u>Healy SW-1/4s-W15</u>				COUNTY <u>Scott</u>		STATE <u>Kan</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

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CONTRACTOR L-D Dals Co.
 TYPE OF JOB Sur Face
 HOLE SIZE 12 1/4 T.D. 234'
 CASING SIZE 8 5/8 DEPTH 232'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15'
 PERFS. _____
 DISPLACEMENT 14 BBL

OWNER Same
 CEMENT AMOUNT ORDERED 240 - sks com
3% CC - 2% Cel

COMMON	<u>240 - sks @</u>	<u>9.55</u>	<u>2,292.00</u>
POZMIX	@		
GEL	<u>5 - sks @</u>	<u>13.00</u>	<u>65.00</u>
CHLORIDE	<u>9 - sks @</u>	<u>36.00</u>	<u>324.00</u>
ASC	@		

EQUIPMENT

PUMP TRUCK CEMENTER Walt
 # 191 HELPER Fuzzy
 BULK TRUCK DRIVER Loonie
 # _____ DRIVER _____

HANDLING	<u>254 - sks @</u>	<u>1.50</u>	<u>381.00</u>
MILEAGE	<u>5¢ per sk/mile</u>		<u>635.00</u>
TOTAL			<u>3,697.00</u>

REMARKS:

mixed 160 sks com, 3+2
cement did not circ, wait on
more cement + 1"
ran 50' 1", mixed 80 sks com
3+2, circ to surface
Thank You

SERVICE

DEPTH OF JOB	_____		
PUMP TRUCK CHARGE			<u>625.00</u>
EXTRA FOOTAGE	@		
MILEAGE	<u>50 miles @</u>	<u>4.00</u>	<u>200.00</u>
MANIFOLD	@		
TOTAL			<u>825.00</u>

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

PLUG & FLOAT EQUIPMENT

	<u>8 5/8</u>		
<u>1-Sur Face Plug</u>	@		<u>55.00</u>
	@		
	@		
	@		
TOTAL			<u>55.00</u>

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE [Signature]

PRINTED NAME _____

ALLIED CEMENTING CO., INC. 19008

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

SERVICE POINT:
OAKLEY

ORIGINAL

DATE <u>1-28-05</u>	SEC. <u>14</u>	TWP. <u>17S</u>	RANGE <u>31W</u>	CALLED OUT	ON LOCATION <u>8:45 AM</u>	JOB START <u>1:45 PM</u>	JOB FINISH <u>2:30 PM</u>
GRUBER-CRAMER LEASE	WELL # <u>1</u>	LOCATION <u>HEALY 5W-1/4S-W INTO</u>			COUNTY <u>SCOTT</u>	STATE <u>Ks</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR L.O. DRUG OWNER SAME

TYPE OF JOB PRODUCTION STRING

HOLE SIZE 7 7/8" T.D. 4625'

CASING SIZE 4 1/2" DEPTH 4620

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL PORT COLLAR DEPTH 2292'

PRES. MAX RATICO MINIMUM

MEAS. LINE SHOE JOINT 20.98'

CEMENT LEFT IN CSG. 20.98'

PERFS.

DISPLACEMENT 73 BBL.

EQUIPMENT

PUMP TRUCK CEMENTER TERRY

191 HELPER WAYNE

BULK TRUCK

386 DRIVER JARROD

BULK TRUCK

DRIVER

CEMENT

AMOUNT ORDERED 500 GAL WFR-2

250 SKS 60/40 P02 10% SALT 2% GEL

3/4 OF 1% CO-31

COMMON	<u>150 SKS</u>	@	<u>9.55</u>	<u>1432.50</u>
POZMIX	<u>100 SKS</u>	@	<u>4.50</u>	<u>450.00</u>
GEL	<u>4 SKS</u>	@	<u>13.00</u>	<u>52.00</u>
CHLORIDE		@		
ASC		@		
SALT	<u>21 SKS</u>	@	<u>15.00</u>	<u>315.00</u>
CO-31	<u>161 #</u>	@	<u>6.00</u>	<u>966.00</u>
WFR-2	<u>500 GAL</u>	@	<u>1.00</u>	<u>500.00</u>
HANDLING	<u>274 SKS</u>	@	<u>1.50</u>	<u>411.00</u>
MILEAGE	<u>5 1/2¢ PER SK / MILE</u>			<u>753.50</u>
TOTAL				<u>4880.00</u>

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REMARKS:

MIX 500 GAL WFR-2, MIX 15 SKS CEMENT RAT HOLE.

MIX 235 SKS 60/40 P02 10% SALT 2% GEL 3/4 OF 1% CO-31 & DISPLAC 73 BBL WATER.

PLUG LANDED AT 1200 PSI.

Float Held

THANK YOU

CHARGE TO: RITCHIE EXPLORATION, INC

STREET _____

CITY _____ STATE _____ ZIP _____

SEND INVOICE TO
GARY ROWE
608 GLENN ST.
SCOTT CITY, KS 67871

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Gary Rowe

SERVICE

DEPTH OF JOB	<u>4620'</u>		
PUMP TRUCK CHARGE			<u>1365.00</u>
EXTRA FOOTAGE	@		
MILEAGE	<u>50 MI</u>	@	<u>4.50</u>
MANIFOLD	@		
TOTAL			<u>1590.00</u>

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PLUG & FLOAT EQUIPMENT

<u>4 1/2"</u>			
<u>1-GUIDE SHOES</u>	@		<u>125.00</u>
<u>1-AFU INSERT</u>	@		<u>210.00</u>
<u>6-TURBO CENTRALIZER</u>	@	<u>55.00</u>	<u>330.00</u>
<u>1-BASKET</u>	@		<u>116.00</u>
<u>1-PORT COLLAR</u>	@		<u>1600.00</u>
<u>1-RUBBER PLUG</u>			<u>48.00</u>
TOTAL			<u>2429.00</u>

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME _____

ALLIED CEMENTING CO., INC. 19054

ORIGINAL

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

SERVICE POINT:
Oakley

CONFIDENTIAL

DATE <u>2-1-05</u>	SEC <u>14</u>	TWP <u>12s</u>	RANGE <u>31w</u>	CALLED OUT	ON LOCATION <u>10:30 AM</u>	JOB START <u>12:00 PM</u>	JOB FINISH <u>1:30 PM</u>
GRUVER LEASE <u>Tramer</u>	WELL # <u>1</u>	LOCATION <u>Healy SW 1/4 S 41S</u>	COUNTY <u>SCOTT</u>	STATE <u>KS</u>			

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CONTRACTOR Plains well service OWNER Sam

TYPE OF JOB Port collar

HOLE SIZE 4 1/2 T.D.

CASING SIZE 2 3/4 DEPTH 2292'

TUBING SIZE 2 3/4 DEPTH 2292'

DRILL PIPE DEPTH 2292'

TOOL Port collar DEPTH 2292'

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

CEMENT AMOUNT ORDERED
473 sks 50kg bag 266ci 4 1/2 No Seal

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EQUIPMENT

PUMP TRUCK CEMENTER Dean

373-281 HELPER Andrew

BULK TRUCK

386 DRIVER Jarrod

BULK TRUCK

DRIVER

COMMON	<u>238 sks</u>	@	<u>9.55</u>	<u>2272.90</u>
POZMIX	<u>237 sks</u>	@	<u>4.50</u>	<u>1066.50</u>
GEL	<u>24 sks</u>	@	<u>13.00</u>	<u>312.00</u>
CHLORIDE		@		
ASC		@		
	<u>No Seal 119 #</u>	@	<u>6.60</u>	<u>190.40</u>

HANDLING	<u>499 sks</u>	@	<u>1.50</u>	<u>748.50</u>
MILEAGE	<u>.0534/sk/mile</u>			<u>1372.50</u>
				TOTAL <u>5962.80</u>

REMARKS:

Pressure Tool to 1000' ok
Open tool pump had blow
Mix cement had circulation
Lost circulate after mixing 340 sks
Cement disp 945 lbs of base tool
Pressure to 1000' ok. Ran 10 joints
Reverse clean. Never got circulation
Back.

SERVICE

DEPTH OF JOB				
PUMP TRUCK CHARGE				<u>750.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>50 miles</u>	@	<u>4.50</u>	<u>225.00</u>
MANIFOLD		@		
		@		
		@		
				TOTAL <u>975.00</u>

CHARGE TO: Ritchie Exploration Inc

STREET _____

CITY _____ STATE _____ ZIP _____

MAIL INVOICE - STATEMENT

GARY ROWE
608 GLENN ST
SCOTT CITY, KS 67787

To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		
TOTAL _____			

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Gary Rowe

Gary Rowe
PRINTED NAME

RECEIVED

MAY 13 2005

KCC WICHITA

ALLIED CEMENTING CO., INC. 19495

ORIGINAL

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

SERVICE POINT: Oakley

CONFIDENTIAL

DATE <u>2-2-05</u>	SEC. <u>14</u>	TWP. <u>17^s</u>	RANGE <u>31^w</u>	CALLED OUT	ON LOCATION <u>3:00 PM</u>	JOB START <u>3:20 PM</u>	JOB FINISH <u>4:00 PM</u>
BUYER <u>Ermyer</u>	WELL # <u>1</u>	LOCATION <u>Healy SW-145-WIS</u>			COUNTY <u>Scott</u>	STATE <u>Kan</u>	
OLD OR NEW (Circle one)							

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CONTRACTOR None OWNER Same

TYPE OF JOB Backsilo Squeeze

HOLE SIZE 7 7/8 T.D.

CASING SIZE 4 1/2" DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

CEMENT

AMOUNT ORDERED 125 sks 80/100 per

6.96 Gal, 4# Flo-Sect

COMMON	<u>6.3</u>	<u>SKS</u>	@	<u>9.55</u>	<u>601.65</u>
POZMIX	<u>6.2</u>	<u>SKS</u>	@	<u>4.50</u>	<u>279.00</u>
GEL	<u>6</u>	<u>SKS</u>	@	<u>1.30</u>	<u>78.00</u>
CHLORIDE			@		
ASC			@		
<u>Flo-Sect</u>	<u>31#</u>		@	<u>1.60</u>	<u>496.00</u>
			@		
			@		
			@		
			@		
			@		
HANDLING	<u>1.32</u>	<u>SKS</u>	@	<u>1.50</u>	<u>198.00</u>
MILEAGE	<u>5.5</u>	<u>per sk/mile</u>			<u>363.00</u>
TOTAL					<u>4569.25</u>

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EQUIPMENT

PUMP TRUCK CEMENTER Walt

102 HELPER Jarrod

BULK TRUCK

386 DRIVER Mike

BULK TRUCK

DRIVER

REMARKS:

Pressure casing to 500#
Mixed 125 sks cement, pressured
to 500# shot in at 300#

Thank You

CHARGE TO: Ritchie Exploration

STREET

CITY STATE ZIP

GARY ROWE MAIL INVOICE TO:
608 GLENN ST
SCOTT CITY, KS 67871

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Gary Rowe

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE 750.00

EXTRA FOOTAGE @

MILEAGE 50-miles @ 4.50 225.00

MANIFOLD @

TOTAL 975.00

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PLUG & FLOAT EQUIPMENT

@

@

@

@

TOTAL

TAX

TOTAL CHARGE

DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME