

STATE CORPORATION COMMISSION OF KANSAS  
 OIL & GAS CONSERVATION DIVISION  
 WELL COMPLETION FORM  
 ACO-1 WELL HISTORY  
 DESCRIPTION OF WELL AND LEASE

Operator: License # 4767

Name: Ritchie Exploration, Inc.

Address 125 N. Market, Suite 1000

City/State/Zip Wichita, KS 67202

Purchaser: Färmland

Operator Contact Person: Lisa Thimmesch

Phone ( 316 ) 267-4375

Contractor: Name: \_\_\_\_\_

License: \_\_\_\_\_

Wellsite Geologist: None

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSV, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: Champlin Petro. Co.

Well Name: #1 Helen Welch

Comp. Date 7-68 Old Total Depth 4101

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBTD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

Squeeze Job  
4-19-95

4-26-95

~~DATE~~ Date OF START Date Reached TO OF WORKOVER 4-19-95 Completion Date OF WORKOVER 4-26-95

API NO. 15- 7-68 15-179-20, 1140001

County Sheridan

NE-NE-SE - Sec. 11 Twp. 9S Rge. 28W

2970 Feet from S/W (circle one) Line of Section

330 Feet from E/W (circle one) Line of Section

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

Lease Name Welch Well # 1

Field Name \_\_\_\_\_

Producing Formation L/KC, Toronto

Elevation: Ground 2709 KB 2714

Total Depth 4101 PBTD 4040'

Amount of Surface Pipe Set and Cemented at \_\_\_\_\_ 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 cat.

Drilling Fluid Management Plan REWORK JFH 88-95  
(Data must be collected from the Reserve Pit)

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Dewatering method used \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. 9S Rge. 28W E/W \_\_\_\_\_

County \_\_\_\_\_ Docket No. \_\_\_\_\_

RELEASED

JUN 14 1996

FROM CONFIDENTIAL

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 on 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.

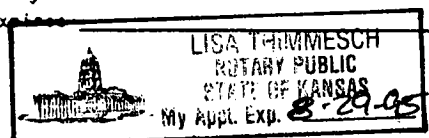
Signature [Signature]

Title President Date 5/27/95

Subscribed and sworn to before me this 25th day of MAY 19 95

Notary Public [Signature]

Date Commission Expires \_\_\_\_\_



K.C.C. OFFICE USE ONLY

F  Letter of Confidentiality Attached  
 C  Wireline Log Received  
 C  Geologist Report Received

Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify) \_\_\_\_\_

5-24-95  
 1995

**1410190**

Operator Name Ritchie Exploration, Inc.

Lease Name Welch

Well # 1

Sec. 11 Twp. 9 Rge. 28W

East  
 West

County Sheridan

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

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
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List All E.Logs Run:

CASING RECORD <input 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

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate	3004'-3035'	Common	10	3% CC
<input checked="" type="checkbox"/> Protect Casing	2315'-2347'	Common	160	3% CC
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone	1936'-2030'	Common	100	3% CC

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
	L/KC 3964'-70', 4008'-16' & 4032'-36'		

**TUBING RECORD** Size 2 3/8" Set At 3997' Packer At N/A Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. 4-26-95 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	<u>2.00</u>	<u>0.00</u>	<u>179.00</u>		

Disposition of Gas:  
 Vented  Sold  Used on Lease  
(If vented, submit ACO-18.)

**METHOD OF COMPLETION**  
 Open Hole  Perf.  Dually Comp.  Commingled  
 Other (Specify) \_\_\_\_\_

Production Interval  
3964'-4036' OA

Phone 913-483-2627, Russell, KS  
 Phone 316-793-5861, Great Bend, KS

Phone 913-625-5516, Hays, KS  
 Phone 913-672-3471, Oakley, KS

Phone 316-886-5926, Medicine Lodge, KS  
 Phone 913-798-3843, Ness City, KS

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31      Russell, Kansas 67665

7415

**ORIGINAL**

Date <i>4-19-95</i>	Sec. <i>11</i>	Twp. <i>9<sup>s</sup></i>	Range <i>28<sup>w</sup></i>	Called Out <i>1:30</i>	On Location	Job Start	Finish <i>2:30pm</i>
Lease <i>Nelson Welch</i>		Well No. <i>1</i>		Location <i>Bainfield 10<sup>en</sup> 2E</i>		County <i>Sheridan</i>	State <i>Ks</i>

Contractor <i>Pauls Well Service</i>	
Type Job <i>Squeez</i>	
Hole Size	T.D.
Csg. <i>4' 5/2</i>	Depth
Tbg. Size <i>2"</i>	Depth
Drill Pipe	Depth
Tool <i>Expert</i>	Depth
Cement Left in Csg.	Shoe Joint
Press Max.	Minimum
Meas Line	Displace
Perf.	

Owner <i>12N N+W</i>
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 listed.
Charge To <i>Pitche Exploration Inc</i>
Street <i>125 N Market # 1000</i>
City <i>Wichita</i> State <i>Kan</i> <i>67202</i>
The above was done to satisfaction and supervision of owner agent or contractor.
Purchase Order No. <i>[Signature]</i>
<b>CEMENT</b>

**EQUIPMENT**

No.	Cementer	<i>Dave</i>
Pumptrk <i>153</i>	Helper	
No.	Cementer	<i>Mark</i>
Pumptrk	Helper	
	Driver	<i>Beil</i>
Bulktrk <i>216 NPT City</i>	Driver	

Amount Ordered <i>200 com 3% CC</i>		
Consisting of <i>Used 185</i>		
Common <i>185</i>	<i>2.20</i>	<i>1332.00</i>
Poz. Mix		
Gel.		
Chloride <i>6</i>	<i>28.00</i>	<i>168.00</i>
Quickset		

<b>DEPTH of Job</b>	
Reference:	
<i>pump tricky</i>	<i>1030.00</i>
<i>235 per mile 37m</i>	<i>86.95</i>
Sub Total	<i>1116.95</i>
Tax	
Total	

Handling <i>RELEASED</i>	Sales Tax	
<i>105</i>		<i>210.00</i>
Mileage <i>37m JUN 1 &amp; 1996</i>	<i>.04</i>	<i>296.00</i>
FROM CONFIDENTIAL	Sub Total	<i>2006.00</i>
	Total	
Floating Equipment		

Remarks: *Spot 10 sk @ tight leak @ 3004-35*  
*found middle hole @ 2315-45 pulled to 2195 mixed*  
*160 sk staged & squeezed @ 400psi wash 3 Jts*  
*pulled to 3005 spot 15 sk pulled 3 Jts wash around*  
*tool pulled 1 Jt shut in @ 600psi,*

## GENERAL TERMS AND CONDITIONS

**DEFINITIONS:** In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

—**TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "ALLIED" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

—**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees:

—**PRICES AND TAXES:** All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

—**TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

—**PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

—**DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

—**SERVICE CONDITIONS AND LIABILITIES:** 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

**WARRANTIES:** 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

