

FORM MUST BE TYPED

SIDE ONE

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: _____
Operator Contact Person: Rocky Milford
Phone (316) 267-4375

Contractor: Name: Duke Drilling Co., Inc.
License: 5929
Wellsite Geologist: K. Noah

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

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

Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PSTD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
4-10-93 4-17-93
Spud Date Date Reached TD Completion Date

API NO. 15- 101-21,647-00-00
County Lane
50'S NE SE SE Sec. 33 Twp. 18 Rge. 28 E
940' Feet from S (circle one) Line of Section
330' Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name R.E.Hineman Well # 1
Field Name _____
Producing Formation NA

Elevation: Ground 2746' KB 2755'
Total Depth 4635' PSTD _____
Amount of Surface Pipe Set and Cemented at 218 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 cnt.

Drilling Fluid Management Plan D+D 6-4-93
(Data must be collected from the Reserve Pit)
Chloride content 2,000 ppm Fluid volume 840 bbls
Dewatering method used evaporation

Location of fluid disposal if hauled offsite:
IN
Operator Name _____
Lease Name _____
Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W _____
County _____ Docket No. _____

KCC
MAY 20
CONFIDENTIAL

THIS IS TO BE RELEASED
JUN 28 1995
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. Rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist wellsite information (if applicable) 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 by 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 5-20-93
Subscribed and sworn to before me this 20th day of MAY 19 93
Notary Public [Signature]
Date Commission Expires _____

CONSERVATION DIVISION
Wichita, Kansas

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)

LISA THIMMESCH
NOTARY PUBLIC
STATE OF KANSAS
My Appl. Exp. 8-29-95

Operator Name Ritchie Exploration, Inc. Lease Name R. E. Hineman Well # i

Sec. 33 Twp. 18 Rge. 28 East West County Lane

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

List All E.Logs Run:
 NO LOGS RUN

SEE ATTACHED SHEET

CASING RECORD <input type="checkbox"/> New <input checked="" 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"	20#	218'	60/40 poz	145	2% gel 3% cc

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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval	Bridge Plugs Set/Type	(Amount and Kind of Material Used)	Depth

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SVD or Inj. Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity

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 _____

RITCHIE EXPLORATION, INC.

125 N. Market - Suite 1000

Wichita, Kansas 67202-1775

316-267-4375 FAX 316-267-3026

ORIGINAL

#1 R. E. Hineman
50' S of NE SE SE
Section 33-18S-28W
Lane County, Kansas
API# 15-101-21,647-60-60

SAMPLE TOPS

Anhydrite	2118'(+ 637)
B/Anhydrite	2148'(+ 607)
Heebner	3955'(-1200)
Lansing	3995'(-1240)
Muncie Crk	4171'(-1416)
Stark	4277'(-1522)
Hushpuckney	4308'(-1553)
B/KC	4354'(-1599)
Marmaton	4378'(-1623)
Pawnee	4473'(-1718)
Myrick Sta.	4506'(-1751)
Fort Scott	4526'(-1771)
Cherokee	4548'(-1793)
Johnson Zn	4583'(-1828)
Cgl Sd	4599'(-1844)
Mississippi	4620'(-1865)
RTD	4635'(-1880)

DST #1 from 4516' to 4606' (Fort Scott - Conglomerate Sand).
Recovered 90' gas in pipe; 20' free oil; and 70' oil cut mud (20%
oil, 80% mud).

IFP:24-38#/30";ISIP:1048#/30";

FFP:60-70#/30";FSIP:1045#/30".

PLEASE KEEP THIS
INFORMATION
CONFIDENTIAL

RELEASED

JUN 28 1995

FROM CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION

MAY 24 1993

CONSERVATION DIVISION
Wichita, Kansas

Phone 913-483-2677, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ORIGINAL

ALLIED CEMENTING CO., INC.

1323

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
4-17-93	33	18	28	1:00 PM	5:00 PM	5:15 PM	7:00 PM
Lease R.E. Hansen	Well No. #1	Location Dighton, 2E, 3S, 1E, N/4		County Lane	State KS		

Contractor	Duke Rig #4
Type Job	Rotary Plug
Hole Size	7 7/8"
Csg.	T.D. 41635'
Tbg. Size	Depth
Drill Pipe	4 1/2"
Tool	Depth 2140'
Cement Left in Csg.	Shoe Joint
Press Max.	Minimum
Meas Line	Displace
Perf.	

Owner Same
 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 Ritchie Exploration, Inc.
 Street
 City State
 The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. [Signature]
 X
CEMENT

Amount Ordered 235 SKS 60/40 G/Gel, 1/4" Flo Seal/SK

Consisting of
 Common
 Poz. Mix
 Gel.
 Chloride
 Quickset

Sales Tax

Handling STATE CORPORATION COMMISSION
 Mileage
RECEIVED
MAY 24 1993
 CONSERVATION DIVISION
 Wichita, Kansas
 Sub Total
 Total

Floating Equipment
RELEASED

JUN 28 1995
 FROM CONFIDENTIAL

EQUIPMENT

#	No.	Cementer	Tim
Pumptrk	158	Helper	Cary
	No.	Cementer	
Pumptrk		Helper	
		Driver	
Bulktrk	#69	Driver	
Bulktrk		Driver	

DEPTH of Job

Reference:	Pumptrk Charge	
	Pumptrk Mileage	
1	8 3/8 Dry Hole Plug	
	Sub Total	
	Tax	
	Total	

Remarks: Mixed 50 SKS at 2140'
 80 SKS at 1280'
 40 SKS at 600'
 40 SKS at 240'
 10 SKS at 40'
 15 SKS in Rathole

Thanks Allied Cementing
 By Tim Dickson

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.

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

ORIGINAL

Phone Plainville 913-434-
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

1449

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
4/14/93	33	185	28W	7 PM	8 PM	9:10	9:35
Lease RE Hineman	Well No.	Location		County	State		
	1	Dighton 35 3E Ninto		Lang	K		

Contractor	Duke 4
Type Job	Surface
Hole Size	12 1/4
Csg.	8 1/8" 20"
Tbg. Size	
Drill Pipe	
Tool	
Cement Left in Csg.	15
Press Max.	
Meas Line	
Perf.	

EQUIPMENT

No.	Cementor	Gary Keith
Pumptrk 158	Helper	
No.	Cementor	Bill
Pumptrk	Helper	
	Driver	
Bulktrk 69	Driver	

DEPTH of Job

Reference:	Pump Truck	
	Mileage	
	8 1/8" TWP	
	Sub Total	
	Tax	
	Total	

Remarks: Cement did circulate.
 Approx 10 bbl.

Thank you
 Van L. Hene

Owner Same
 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 Ritchie Exploration
 Street
 City State
 The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.
 X Gary D. Hene

CEMENT

Amount Ordered 745 1/40 2% Gel 3% CC

Consisting of
 Common
 Poz. Mix
 Gel.
 Chloride
 Quickset

RELEASED

JUN 28 1993

Handling FROM CONFIDENTIAL
 Mileage RECEIVED
 STATE CORPORATION COMMISSION
 MAY 24 1993
 Sub Total
 Total

CONCRETE DIVISION
 Flooting Equipment
 Wichita, Kansas

GENERAL TERMS AND CONDITIONS

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—**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:

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(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.