

FORM MUST BE TYPED

CONFIDENTIAL

SIDE ONE

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND 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: Julie Stout
Phone (316) 691-9500

Contractor: Name: Mallard JV, Inc.
License: 4958
Wellsite Geologist: Jeff Christian

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

If Workover/Reentry: Old Well Info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back _____ PBDT
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Inj?) _____ Docket No. _____
12-6-97 12-14-97 12-14-97
Spud Date Date Reached TD Completion Date

API NO. 15- 137-20,407 0000
County Norton
NE - NW SW- _____ Sec. 33 Twp. 5S Rge. 22 X W

2310 Feet from (S) (circle one) Line of Section
990 Feet from (W) (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or (SW) (circle one)

Lease Name Burton Griffey Well # 1
Field Name _____

Producing Formation _____
Elevation: Ground 2332 KB 2337
Total Depth 3750 PBTD _____

Amount of Surface Pipe Set and Cemented at 260.68 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 Per A, 9-24-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 800 ppm Fluid volume 800 bbls
Dewatering method used evaporation

Location of fluid disposal if hauled offsite: RELEASED

Operator Name KCC 3-28-2001
MAR 28 2001

Lease Name FEB 23 License No. _____
Quarter _____ Sec. _____ Twp. _____ Rng. _____ E/W _____

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 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 2-23-98

Subscribed and sworn to before me this 23rd day of February, 19 98.

Notary Public Julie K. Stout

Date Commission Expires July 23, 2001

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)
CO. SECRETARY DIVISION
WICHITA, KANSAS

JULIE K. STOUT
Notary Public - State of Kansas
My Appt. Expires 7-23-2001

Form ACO-1 (7-91) 2-24-98

SIDE TWO

Operator Name Ritchie Exploration, Inc. Lease Name Burton Griffey Well # 1

Sec. 33 Twp. 5 Rge. 22 East West County Norton

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 (Attach Additional Sheets.) Yes No
Samples Sent to Geological Survey Yes No
Cores Taken Yes No
Electric Log Run (Submit Copy.) Yes No
List All E.Logs Run:
Radiation Guard Log

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

see attached

RELEASED

MAR 28 2001

FROM CONFIDENTIAL

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
surface	12 1/4	8 5/8	20	260.68	60/40 Poz	190	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 - 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, S/W or Inj. D&A Producing Method Flowing Pumping Gas Lift Other (Explain)

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

Disposition of Gas: METHOD OF COMPLETION Vented Sold Used on Lease (If vented, submit ACO-18.) Open Hole Perf. Dually Comp. Commingled Other (Specify) _____ Production Interval _____



RITCHIE

EXPLORATION, INC.
Wichita, Kansas

CONFIDENTIAL

ORIGINAL

#1 Burton Griffey
NE NW SW
Section 33-5S-22W
Norton County, Kansas
API#15-137-20,407 0000
Mallard JV, Inc. Rig #1
Field: Jeff Christian
Office: Bob Mathiesen

RELEASED

MAR 28 2001

FROM CONFIDENTIAL

Log Tops

Anhydrite	1958'+(379)
B/Anhy	1988'+(349)
Topeka	3308'(-971)
Heebner	3504'(-1167)
Toronto	3529'(-1192)
Lansing	3544'(-1207)
BKC	3530'(-1193)
LTD	3750'(-1413)

KCC
FEB 23
CONFIDENTIAL

DST #1 3433' to 3490'
Recovered 61' slight oil cut mud (10% oil, 90% mud), 61' slight oil cut mud (12% oil, 88% mud) and 120' slight oil cut watery mud (10% oil, 20% water, 70% mud)
IFP: 45-109#/30"; ISIP: 1163#/45";
FFP: 115-160#/30"; FSIP: 1143#/45"

DST #2 3539' to 3560'
Recovered 265' muddy water with a trace of oil
IFP: 25-91#/45"; ISIP: 1040#/45";
FFP: 96-146#/45"; FSIP: 1029#/45"

DST #3 3567' to 3588'
Recovered 15' of very slight oil cut mud (1% oil)
IFP: 22-25#/30"; ISIP: 208#/30";
FFP: 27-28#/30"; FSIP: 66#/30"

DST #4 3587' to 3604'
Recovered 60' of gas in pipe and 60' of heavy oil cut gassy mud (8% gas, 48% oil, 44% mud)
IFP: 24-35#/30"; ISIP: 758#/30";
FFP: 39-47#/30"; FSIP: 758#/30"

STATE COMMISSION

FEB 23 2001

CONSERVATION DIVISION
Wichita, Kansas

CONFIDENTIAL

DST #5 3601' to 3629'

Recovered 395' of muddy water with a few oil spots on top

IFP: 20-91#/30"; ISIP: 1135#/45";

FFP: 111-152#/30"; FSIP: 1145#/45"

DST #6 3642' to 3702'

Recovered 20' of mud

IFP: 27-46#/30"; ISIP: 1081#/30";

FFP: 37-49#/30"; FSIP: 1075#/30"

ORIGINAL

KCC

FEB 23

CONFIDENTIAL

RELEASED

MAR 28 2001

FROM CONFIDENTIAL

RECEIVED
STATE DEPARTMENT OF TRANSPORTATION

FEB 24 1998

CONSTRUCTION DIVISION
Virginia, Fairfax

ALLIED CEMENTING CO., INC.

9350

Federal Tax I.D.# [REDACTED]

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

ORIGINAL CONFIDENTIAL SERVICE POINT: R

DATE <u>12/14/97</u>	SEC. <u>33</u>	TWP. <u>5</u>	RANGE <u>22 W</u>	CALLED OUT	ON LOCATION	JOB START <u>10:15 AM</u>	JOB FINISH <u>11:30 AM</u>
LEASE <u>Griffey</u>	WELL # <u>1</u>	LOCATION <u>Hall City 14 N 2 E 4 N</u>			COUNTY <u>Norton</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Mallard JV

TYPE OF JOB plug

HOLE SIZE 7 7/8 T.D. 3750

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER _____

CEMENT

AMOUNT ORDERED 200 @ 60 6% gel

1/4 16 Flowseal

COMMON	<u>120</u>	@	<u>6.35</u>	<u>762.00</u>
POZMIX	<u>80</u>	@	<u>3.25</u>	<u>260.00</u>
GEL	<u>10</u>	@	<u>9.50</u>	<u>95.00</u>
CHLORIDE		@		
<u>F10 Seal</u>	<u>50</u>	@	<u>1.15</u>	<u>57.50</u>
		@		
		@		
		@		
		@		
HANDLING		@	<u>105</u>	<u>210.00</u>
MILEAGE <u>64</u>		@	<u>04</u>	<u>512.00</u>
TOTAL				<u>1896.50</u>

EQUIPMENT

153 PUMP TRUCK CEMENTER Dave

_____ HELPER Mark

BULK TRUCK _____

_____ DRIVER _____

BULK TRUCK _____

160 DRIVER Darin

REMARKS:

25 @ 1970

100 @ 1185

40 @ 310

10 @ 40 wk plug

15 rat hole

10 mouse hole

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ 470.00

EXTRA FOOTAGE _____ @ _____

MILEAGE 64 @ 2.85 182.40

PLUG 8 3/8 Dry Hole @ _____ 23.00

_____ @ _____

_____ @ _____

TOTAL 675.40

CHARGE TO: Ritchie Exploration

STREET P.O. Box 783188

CITY Wichita STATE Kan ZIP 67278-3188

RELEASED

MAR 28 2001

FROM CONFIDENTIAL EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

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 J.R. Ulan

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

FEB 24

PRINTED NAME
[REDACTED]
Wichita, Kansas

ALLIED CEMENTING CO., INC.

9344

Federal Tax I.D.# ~~40-0727000~~

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

ORIGINAL

SERVICE POINT: R

DATE <u>12/7/97</u>	SEC <u>33</u>	TWP <u>5</u>	RANGE <u>22</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>4:30 AM</u>
DEAN GIFFEY		WELL # <u>1</u>	LOCATION <u>Hall City 14N 2E 1/4N</u>	COUNTY <u>Norton</u>		STATE <u>Ks</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Mallard TV Inc
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 260
 CASING SIZE 8 3/8 DEPTH 260
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 10 1/2
 PERFS. _____
 DISPLACEMENT 20 ft 16 1/4 BBL

OWNER CONFIDENTIAL
 CEMENT AMOUNT ORDERED 190⁶⁰/₄₀ 3 + 2

EQUIPMENT
177
 PUMP TRUCK # _____ CEMENTER Dave
 # _____ HELPER Glen
 BULK TRUCK # _____ DRIVER _____
 BULK TRUCK # 213 DRIVER Jason

COMMON	<u>115</u>	@	<u>635</u>	<u>730²⁵</u>
POZMIX	<u>75</u>	@	<u>325</u>	<u>243⁷⁵</u>
GEL	<u>3</u>	@	<u>950</u>	<u>28⁵⁰</u>
CHLORIDE	<u>6</u>	@	<u>28⁰⁰</u>	<u>168⁰⁰</u>
KOC		@		
FEB 23		@		
CONFIDENTIAL		@		
HANDLING	<u>190</u>	@	<u>105</u>	<u>199⁵⁰</u>
MILEAGE	<u>1/4 per sk per mile</u>			<u>186⁴⁰</u>
RELEASED			TOTAL	<u>1856⁴⁰</u>

REMARKS:

Cement ✓
OK

FROM CONFIDENTIAL
 DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____ 470⁰⁰
 EXTRA FOOTAGE @ _____
 MILEAGE 6A @ 285 182⁴⁰
 PLUG 8 3/8 wooden @ 15⁰⁰

TOTAL 697⁴⁰

CHARGE TO: Ritchie Exploration Inc
 STREET P.O. Box 783188
 CITY Wichita STATE Kansas ZIP 67278-3188

FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

TOTAL _____

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 Mad D Ch...

PRINTED NAME

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 wilful 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.