

ORIGINAL

FORM MUST BE TYPED

SIDE ONE

CONFIDENTIAL

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, Ste. 1000
City/State/Zip Wichita, KS 67202
Purchaser: NCRA
Operator Contact Person: Jeff Christian
Phone (316) 267 - 4375
Contractor: Name: Murfin Drilling Company, Inc.
License: 30606
Wellsite Geologist: K. Kessler
Designate Type of completion
 New Well Re-Entry Workover

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

If Workover/Re-Entry well info as follows:
Operator: _____
Well Name: _____
Total Depth _____
Wichita, KS _____
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
10-12-93 10-20-93 11-18-93
Spud Date Date Reached TD Completion Date

API NO. 15- 065-22725 -00-00
County Graham
120' E of E
- N/2 - N/2 - NW Sec. 31 Twp. 7S Rge. 21 X W
4950 Feet from S/N (circle one) Line of Section
3840 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 Van Loenen - 31B Well # 1
Field Name _____
Producing Formation Arbuckle, L/KC
Elevation: Ground 2175' KB 2180'
Total Depth 3750' PBT 3716
Amount of Surface Pipe Set and Cemented at 206 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1759.51 Feet
If Alternate II completion, cement circulated from 1759.51
feet depth to surface w/ 330 sx cmt.

RECEIVED
KANSAS CORPORATION COMMISSION
JAN 21 1994
JAN 21 1994

Drilling Fluid Management Plan ALT 2 2 2 4-20-94
_____ must be collected from the Reserve Pit)
Chloride content 900 ppm Fluid volume 612 bbls
Dewatering method used evaporation
Location of fluid disposal if hauled offsite: KCC
Operator Name _____
Lease Name _____
County _____
Pocket No. _____
JAN 18 4
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 1/19/94
Subscribed and sworn to before me this 19th day of January, 1994.
Notary Public [Signature]
Date Commission Expires _____

LISA THIMMESCH
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 3-29-95

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)

Operator name Ritchie Exploration, Inc. Lease Name Van Loenen Well # 1
 Sec. 31 Twp. 7S Rge. 21 East County Graham
 West

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.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
List All E.Logs Run:			
RA Guard Log			
Sonic Cement Bond Log		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 3/4"	28#	206'	60/40	140	2% Gel 3% CC
production	7 7/8"	4 1/2"	10.5#	3747'	60/40	160	10% Salt

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
3	Arbuckle 3706.5-3710.5' & 3694.5'-3696.5'	350 gal 15% INS	Arbuckle
3	3580'-3583' L/KC 200' zone	600 gallons 15% NE	200' zone
		750 gallons 27% NE	200' zone

TUBING RECORD		Set At 2 3/8"	Packer At NA	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or inj. 11-18-93	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. 11.72	Gas Mcf	Water Bbls. 33.34	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: 3694.5' - 3710.5'
3580' - 3583'

RITCHIE EXPLORATION, INC.

125 N. Market - Suite 1000

Wichita, Kansas 67202-1775

316-267-4375 FAX 316-267-3026

CONFIDENTIAL

ORIGINAL

#1 Van Loenen-31B
120' E of N/2 N/2 NW
Section 31-7S-21W

Graham County, Kansas

API# 15-065-22,725-00-00

Elevation: 2182' G.L., 2187' K.B.

RELEASED

MAR 14, 1996

MAR 14 1996

ELECTRIC LOG TOPS

Anhydrite	1780'(+ 407)
B/Anhy	1808'(+ 379)
Topeka	3156'(- 969)
Heebner	3367'(-1180)
Toronto	3388'(-1201)
Lansing	3401'(-1214)
B/KC	3598'(-1411)
Ero. Arb.	3694'(-1507)
Arbuckle	3704'(-1517)
LTD	3750'(-1563)

FROM CONFIDENTIAL

KCC

JAN 1 8

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PLEASE KEEP THIS
INFORMATION
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DST #1 from 3360' to 3400' (Toronto). Recovered 300' gas in pipe, 186' clean gassy oil, 82' gas and mud cut oil (15% gas, 82% oil, 3% mud), and 62' gas and oil cut mud (5% gas, 12% oil, 83% mud). 330' total fluid.

IFP:34-85#/30";ISIP:1099#/30";
FFP:105-144#/30";FSIP:1082#/30".

DST #2 from 3420' to 3455' (35' zone). Recovered 50' gas in pipe, 20' clean gassy oil, 150' slightly oil cut muddy water (4% oil, 60% water, 36% mud), and 490' muddy water. 660' total fluid.

IFP:34-159#/30";ISIP:906#/30";
FFP:195-294#/30";FSIP:916#/30".

DST #3 from 3444' to 3478' (50' and 70' zones). Recovered 3' clean oil, 95' slightly oil cut watery mud (2% oil, 33% water, 65% mud), 62' very slight oil cut muddy water (1% oil, 70% water, 29% mud), and 185' muddy water with oil spots. 345' total fluid.

IFP:30-112#/30";ISIP:908#/30";
FFP:116-168#/30";FSIP:817#/30".

DST #4 from 3510' to 3590' (140' through 200' zones). Recovered 160' gas in pipe, 82' clean gassy oil, 122' gas and oil cut mud (10% gas, 35% oil, 55% mud), and 62' gas and oil cut mud (5% gas, 15% oil, 80% mud). 266' total fluid.

IFP:57-109#/45";ISIP:1143#/45";
FFP:118-141#/45";FSIP:1111#/45".

DST #5 from 3624' to 3702' (Arbuckle). Recovered 40' gas in pipe, 130' clean gassy oil, 40' gas and oil cut mud (5% gas, 25% oil, 70% mud), 60' oil and water cut mud (15% oil, 15% water, 70% mud; Note: Test chlorides 2,000 p.p.m. and mud system chlorides 2,000 p.p.m.). 230' total fluid.

IFP:57-112#/45";ISIP:896#/45";
FFP:114-144#/45";FSIP:890#/45".

15-065-22725-00-00

#1 Van Loenen-31B
ACO-1
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ORIGINAL

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DST #6 from 3702' to 3709' (Arbuckle). Misrun, packer failed.

DST #7 from 3703' to 3709' (Arbuckle). Misrun, packer failed.

DST #8 from 3625' to 3709' (Arbuckle). Recovered 45' gas in pipe, 155' clean gassy oil, 98' oil cut mud (15% oil, 85% mud), and 59' oil and water cut mud (10% oil, 10% water, 80% mud: test chlorides 2,000 p.p.m.). 312' total fluid.

DST #9 from 3708' to 3717' (Arbuckle). Recovered 30' gas in pipe, 25' clean gassy oil, 50' oil and water cut mud (20% oil, 20% water, 60% mud), and 120' muddy water. 195' total fluid.

IFP:23-64#/45"; ISIP:786#/45";
FFP:73-107#/45"; FSIP:749#/45".

RELEASED
MAR 14, 1996
MAR 14 1996

FROM CONFIDENTIAL

PLEASE KEEP THIS
INFORMATION
CONFIDENTIAL

KCC

JAN 18

CONFIDENTIAL

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

ORIGINAL CONFIDENTIAL

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

15-065-22725-00-00

ALLIED CEMENTING CO., INC.

4389

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	10-12-93	Sec.	31	Fwp.	7	Range	21W	Called Out		On Location	5:45 PM	Job Start		Finish	7:15 PM
Lease	Van Loenen	Well No.	1			Location	Rogue #29 Jct 1 1/2 W			County	Graham	State	KS		

Contractor	Martin Doly Rig 8		
Type Job	Surface		
Hole Size	12 1/4	T.D.	206
Csg.	8 1/2	Depth	205
Tbg. Size		Depth	
Drill Pipe		Depth	
Tool		Depth	
Cement Left in Csg.	10' 15"	Shoe Joint	
Press Max.		Min	
Meas Line	✓	Displace	MAR 14, 1996
Perf.			MAR 14 1996

Owner *2NE*
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 *125 N. Tharbet #1000*
City *Wichita* State *Kansas*
The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. *X*
Royal Delett

Amount Ordered *140⁰⁰ 3% CC 2% gel*

EQUIPMENT FROM CONFIDENTIAL

Pumptrk	No. 153	Cementor	<i>Dave</i>
		Helper	<i>Mark</i>
Pumptrk	No.	Cementor	
		Helper	
Bulktrk	<i>290</i>	Driver	<i>Wayne</i>
Bulktrk		Driver	

Consisting of		
Common	84 @ 5.75	483.00
Poz. Mix	56 @ 3.00	168.00
Gel.	2 @ NIC	NIC
Chloride	4 @ 25.00	100.00
Quickset		KCC

JAN 18 Sales Tax

Handling	<i>@ 1 CONFIDENTIAL</i>	140.00
Mileage	<i>42 / 50 / 7 mile</i>	168.00
30		
Sub Total		
Total		1059.00

DEPTH of Job		
Reference:	<i>Pump trk chg</i>	430.00
	<i>23 Per mile</i>	67.50
	<i>8' wooden plug</i>	42.00
	Sub Total	
	Tax	
	Total	539.50

Floating Equipment

Remarks: *Cement*
ctr

OCT 93 1010545

ORIGINAL 15-065-22725-00-00 CONFIDENTIAL

3-2627, 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.

8159

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	10-21-93	Sec.	31	Twp.	7 S	Range	21 W	Called Out	10:00 AM	On Location	12:45 PM	Job Start	5:45 PM	Finish	10:15 PM
Lease	VANHOENEN		Well No.	#1		Location	BOGUE 1 1/2 W 2 N 1/4 E			County	GRAHAM		State	KANSAS	
Contractor	MURFIN DRILLING RIG #8														
Type Job	PRODUCTION STRING														
Hole Size	7 7/8		T.D.	3750'											
Csg.	4 1/2		# USED	Depth 3747'											
Tbg. Size	Depth														
Drill Pipe	Depth														
Tool	PORT COLLAR @		Depth	1762'											
Cement Left in Csg.	25.48		Shoe Joint	25.48											
Press Max.	Minimum														
Meas Line	✓		Displace	✓ 62 BBL											
Perf.															

Owner
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 125 N Market #1000
City Wichita State Kan 67202
The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. *[Signature]* RELEASED
X MAR 14 1996
MAR 4 1996

500 GAL AMF CEMENT
Amount Ordered 175 SK 60% FR 10% SALT 3% GILSONITE

Consisting of		
Common	105	5.75 603.75
Poz. Mix	70	3.00 210.00
Gel.		87.25
Chloride Salt	17	5.25 89.25
Quicksort	61 457 #	.39 178.23
AMF 500gal		100 500.00

Handling	KCC 100	175.00
Mileage	30m	210.00
Sub Total		1966.23

NOV 2 1993
Total 1993

Floating Equipment	4 1/2 CSG	
1- GUIDE SHOE		\$ 109.00
1- BAKER AFU		169.00
1- BAKER PORT COLLAR		1285.00
6- CENTRALIZERS		318.00
1- BASKET		113.00
		\$ 2494.00

EQUIPMENT

Pumptrk #177	No.	Cementer	<i>[Signature]</i>
		Helper	<i>[Signature]</i>
Pumptrk #218	No.	Cementer	
		Helper	
Bulktrk #218		Driver	<i>[Signature]</i>
Bulktrk		Driver	

DEPTH of Job

Reference:	Pump Truck CHAG	980.00
4 1/2 Plug		33.00
2 25 Per mile 30m		67.50
Sub Total		1080.50
Tax		
Total		

Remarks:

FLOAT HELD

15 SK @ RAT HOLE

[Signature]