

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

ORIGINAL

API NO. 15- 15-135-23,615-00-00
County Ness
SW SW SW Sec. 32 Twp. 16S Rge. 22 X W

Operator: License # 4767

Name: Ritchie Exploration, Inc.

Address 125 N. Market, Suite 1000

City/State/Zip Wichita, KS 67202

Purchaser: n/a

Operator Contact Person: Bob Mathiesen

Phone (316) 267-4375

Contractor: Name: Murfin Drilling Co., Inc.

License: 30606

Wellsite Geologist: Kitt Noah

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIOW Temp. Add: 1001
 Gas ENHR SIGW
 Dry Other (Core, VSW, 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 PBDT
 Plug Back Docket No. _____
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

10/13/91 10/24/91 10/24/91
Spud Date Date Reached TD Completion Date

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

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

Lease Name Musselman Well # 2

Field Name Weeks North

Producing Formation n/a

Elevation: Ground 2390' KB 2395'

Total Depth 4490' PBDT n/a

Amount of Surface Pipe Set and Cemented at 210' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set n/a Feet

If Alternate II completion, cement circulated from 210'

feet depth to surface w/ 140 ex cmt.

Drilling Fluid Management Plan AIR D W/D
(Data must be collected from the Reserve Pit)

11,000 ppm Fluid volume 380 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: n/a

Operator Name _____

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W _____

County _____ Docket No. _____

PLEASE KEEP THIS INFORMATION CONFIDENTIAL
RELEASED
FROM CONFIDENTIAL RECEIVED
KANSAS CORPORATION COMMISSION

JAN 22 1992
OIL & GAS CONSERVATION DIVISION
WICHITA, KS

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 1/21/92

Subscribed and sworn to before me this 21ST day of January 19 92.

Notary Public [Signature]
Date Commission Expires _____

LINDA K. RICE
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 6-1-92

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)

Sec. 32 Twp. 16SRge. 22

East
 West

County Ness

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

See attached page.

List All E.Logs Run:

RA Guard log
Dual Porosity

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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"	28#	210'	60/40 poz	140	2%gel, 3%CC

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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	<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SVD or Inj.		Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> 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 _____

FORM MUST BE TYPED

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

COPY SIDE ONE

API NO. 15- 15-135-23,615

County Ness

SW SW SW sec. 32 Twp. 16S Rge. 22 X^E_W

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

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Field Name Weeks North

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Elevation: Ground 2390' KB 2395'

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feet depth to surface w/ 140 ex cat.

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(Data must be collected from the Reserve Pit)

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 Gas ENHR SIGW
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Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to PSTD

Plug Back _____

Commingled _____ Docket No. _____

Dual Completion _____ Docket No. _____

Other (SVD or Inj?) _____ Docket No. _____

10/13/91 10/24/91 10/24/91
Spud Date Date Reached TD Completion Date

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

RECEIVED

KANSAS CORPORATION COMMISSION

JAN 21 1992

CONSERVATION DIVISION WICHITA, KS

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Title President Date 1/21/92

Subscribed and sworn to before me this 21ST day of January 19 92.

Notary Public [Signature]
Date Commission Expires _____

LINDA K. RICE
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 6-1-98

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SVD/Rep NGPA
 KGS Plug Other (Specify)

21

ORIGINAL
RITCHIE EXPLORATION, INC.

125 N. Market - Suite 1000
Wichita, Kansas 67202-1775

Ritchie Exploration, Inc.'s #2 Musselman
SW SW SW
Section 32-16S-22W
Ness County, Kansas
API# 15-135-23,615
License #4767

ACO-1 form
Page 2

DRILL STEM TESTS

DST #1 from 4285' to 4320' (Ft. Scott). Recovered 1' of mud.
IFP:41-41#/30"; ISIP:41#/30";
FFP:41-41#/30"; FSIP:41#/30".

DST #2 from 4321' to 4338' (Upper Cher. sand). Recovered 5' of thin oil spotted mud.
IFP:33-41#/30"; ISIP:445#/30";
FFP:41-41#/30"; FSIP:371#/30";

DST #3 from 4369' to 4407' (Lwr. Cher. sd.). Recovered 2' of free oil and 13' of oil cut mud (10% oil, 90% mud).
IFP:41-41#/30"; ISIP:703#/30";
FFP:41-41#/30"; FSIP:330#/30".

DST #4 from 4368' to 4417' (Lwr. Cher. sd.). Recovered 30' gas in pipe, 15' free oil and 35' of slightly oil cut mud (5% oil, 95% mud).
IFP:66-66#/45"; ISIP:970#/45";
FFP:66-66#/45"; FSIP:987#/45".

DST #5 from 4368' to 4427' (Lwr. Cher. sd). Misrun, packer failed and tool plugged.

DST #6 from 4352' to 4428' (Lwr. Cher. sd.). Misrun, tool stopped 5' off bottom after sliding 15'. Packer failed and tool plugged.

DST #7 from 4290' to 4431' (Ft. Scott to Lwr. Cher. sd.). Recovered 260' of mud and 20' of very slightly oil cut mud (2% oil, 98% mud).
IFP:99-148#/30"; ISIP:1272#/30";
FFP:165-239#/30"; FSIP:1247#/30".
Partial plugging on initial and final flows.

COMMERCIAL
RELEASED

FEB 4 1991

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JAN 22 1992

ELECTRIC LOG TOPS

Anhydrite	1708' (+ 687)
B/Anhydrite	1744' (+ 651)
Heebner	3797' (-1402)
Lansing	3836' (-1441)
B/KC	4116' (-1721)
Pawnee	4208' (-1813)
Ft. Scott	4308' (-1913)
Cher. shale	4324' (-1929)
U. Cher. sd.	4326' (-1931)
L. Cher. sd.	4405' (-2010)
Miss.	4420' (-2025)
LTD	4490' (-2095)

Phone 913-483-2627, Russell, Kansas
 Phone 316-797-5861, Great Bend, Kansas

ORIGINAL

Phone Ness City 913-798-3843

No 2986

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67669-1

1004828

Date	10-13-91	MA Sec	32	MA Twp	16	NA Range	22	Called Out	3:30 PM	On Location	5:15 PM	Job Start	7:30 PM	Finish	8:15 PM
Lease	Messelman	Well No.	24	Location	N to 283 St 4E to mm 61, 2E			County	NEW	State	KA				
Contractor	Murfin	Owner	Ritchie												
Type Job	Surface	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.													
Hole Size	12 1/4	T.D.	211												
Csg.	8 5/8	Depth	210												
Tbg. Size		Depth	RELEASED												
Drill Pipe		Depth	RELEASED												
Tool		Depth	RELEASED												
Cement Left in Csg.	15'	Shoe Joint	100'												
Press Max.		Minimum													
Meas Line	yes 195'	Display	92.7661												
Perf.															

EQUIPMENT

Pumptrk #63	Cementer	
	Helper	
Pumptrk #116	Cementer	J.D.
	Helper	Bob
Bulktrk #116	Driver	BILL
Bulktrk	Driver	

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 KANSAS CORPORATION COMMISSION

JAN 22 1992

DEPTH of Job

Reference:	Pump truck charge	380.00
22	Mileage	44.00
1 8 5/8 TWP		42.00
	Sub Total	
	Tax	
	Total	466.00

Remarks: Cement did circulate

OCT 25 1991

Thank you

By Allied Cementing Co. Inc.
 JAYSON DREILING
 Jayson Drilling

copy to funds - 10/28

Charge To	Ritchie Exploration Inc
Street	125 N. Market Suite 1000
City	Wichita
State	Ka 67202
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	X1 Daryl Dellea
Amount Ordered	140.00 @ 40 per 27% gel 37% cc
Consisting of	
Common	84 5.25 441.00
Poz. Mix	56 2.25 126.00
Gel.	3 6.75 n/c
Chloride	4 21.00 84.00
Handling	140 1.00 140.00
Mileage	22 123.6
Sub Total	
Total	914.2

Floating Equipment

1380.20
 207.03
 \$1173.17

Well, Kansas
1061, Great Bend, Kansas

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

ALLIED CEMENTING CO., INC. No. 1972

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	10-24-91	Sec	32	Twp.	16	Range	22	Called Out	6 ³⁰ AM	On Location	10 ⁴⁵ AM	Job Start	12 PM	Finish	3 PM	
Lease	Musselman	Well No.	#2	Location				Brownell 2 1/2 W 25 E/S	County	11-55	State	KS				
Contractor	Murfin Drilling Rig #8															
Type Job	Rotary Plug															
Hole Size	7 3/4	T.D.	4490 ft													
Csg.	Depth															
Tbg. Size	Depth															
Drill Pipe	4 1/2	Depth	1750 ft													
Tool	Depth															
Cement Left in Csg.	Shoe Joint															
Press Max.	Minimum															
Meas Line	Displace 4 1994															
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 Suite 1000
City WICHITA State KS. 67202

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. *Lloyd Weller*

X **CEMENT**

Amount Ordered 250 ⁶⁰/₄₀ 6750

FROM CONFIDENTIAL

EQUIPMENT

Great Bend

No.	Cementer	Mike
Pumptrk 120	Helper	Durre
No.	Cementer	
Pumptrk	Helper	
Bulktrk 179	Driver	Mark
Bulktrk	Driver	

Consisting of	Common	150	5.25	787.5
	Poz. Mix	100	2.25	225.0
	Gel.	15	6.75	101.2
	Chloride			
	Quickset			
Handling	250	1.00		250.0
Mileage	22			220.0
Total				1583.7

DEPTH of Job 1750 ft

Reference:	Pump Truck charge	380.00
22	Mileage charge	44.00
1	old Hole Plug	20.00
	Total	444.00

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KANSAS CORPORATION
JAN 22 1992
WICHITA DIVISION
COMMISSION

Floating Equipment

Total \$ 2027.75
Disc - 304.12

Remarks: Mixed 50 lb at 150 ft
80 lb at 110 ft
50 lb at 650 ft
50 lb at 250 ft
10 lb at 45 ft
10 lb at 20 ft

NOV 28 1991
Allied Cementing Co Inc
Mike Murach

Total \$ 1723.58

Thank You! DEC 2 1991 *OK KN*