

ORIGINAL

15-063-21470-00-00

SIDE ONE

CONFIDENTIAL

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

KCC
L-18
JAN 18

API NO. 15. 063-21,470
County Gove
SE. SE. SW. Sec. 10 Twp. 11 Rge. 31W

Operator: License # 4767
Name: Ritchie Exploration, Inc.
Address 125 N. Market, Suite 1000
City/State/Zip Wichita, KS 67202

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

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

Purchaser: N/A

Lease Name Walz Well # 1

Operator Contact Person: Lisa Thimmesch

Field Name _____

Phone (316) 267-4375

Producing Formation N/A

Contractor: Name: White & Ellis Drilling

Elevation: Ground 2998 KB 3003

License: 5420

Total Depth 4685' P8TD _____

Wellsite Geologist: K. Kessler

Amount of Surface Pipe Set and Cemented at 210 Feet

Designate Type of Completion
 New Well Re-Entry Workover

Multiple Stage Cementing Collar Used? Yes No

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

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cat.

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

RECEIVED
KANSAS CORPORATION COMMISSION
Drilling Fluid Management Plan D & A JH 4-20-94
Data must be collected from the Reserve Pit)

Operator: _____

Chloride content 2,000 ppm Fluid volume 700 bbls

Well Name: _____

Watering method used evaporation

Comp. Date _____ Old Total Depth _____

Method of fluid disposal if hauled offsite: _____

Deepening Re-perf. Conv. to Injection
 Plug Back P8TD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

Operator Name _____

Lease Name _____ License No. _____

12-4-93 12-13-93 12-13-93
Spud Date Date Reached TD Completion Date

County _____

Quarter _____ Sec. _____ Rge. 4 1996 E/W

Docket No. 3-14-1990

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 1/9/94

Subscribed and sworn to before me this 19 day of January, 1994.

Notary Public Lisa Thimmesch

Date Commission Expires _____

LISA THIMMESCH
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 3/31/95

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)

RELEASED
PLEASE KEEP THIS INFORMATION CONFIDENTIAL
MAR 4 1996
FROM CONFIDENTIAL

Operator Name Ritchie Exploration, Inc. Lease Name Walz Well # 1

East
 West

County Gove

Sec. 10 Twp. 11 Rge. 31W

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.)

List All E.Logs Run:

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

See attached sheet

CASING RECORD

New 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 1/2	8 5/8	24#	210	60/40 poz	135	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 Producing Method Flowing Pumping Gas Lift Other (Explain)
Liner Run Yes No

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	<u>N/A</u>	<u>N/A</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 _____

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

RITCHIE EXPLORATION, INC.

125 N. Market - Suite 1000

Wichita, Kansas 67202-1775

316-267-4375 FAX 316-267-3026

#1 Walz
SE SE SW
Section 10-11S-31W
Gove County, Kansas
API# 15-063-21,470
Elevation: 2998' G.L. 3003' K.B.

ORIGINAL

SAMPLE TOPS

Anhydrite	2531'(+ 472)
B/Anhydrite	2561'(+ 442)
Topeka	3793'(- 790)
Heebner	4014'(-1011)
Lansing	4056'(-1053)
Muncie Creek	4187'(-1184)
Stark	4278'(-1275)
B/KC	4340'(-1337)
Marmaton	4369'(-1366)
Pawnee	4470'(-1467)
Myrick Sta	4507'(-1503)
Fort Scott	4534'(-1531)
Cherokee	4561'(-1558)
Johnson zone	4607'(-1604)
Congl sd	4625'(-1622)
Miss	4671'(-1668)
RTD	4685'(-1682)

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3-14-1996
MAR 14 1996

KCC

1-18
JAN 18

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FROM CONFIDENTIAL

DEF THIS
INFORMATION
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DST #1 from 4115' to 4135' (L/KC "E" zone). Recovered 3' mud.
IFP:39-39#/30"; ISIP:39#/30";
FFP:39-39#/30"; FSIP:39#/30".

DST #2 from 4180' to 4250' (L/KC "H" and "I" zones). Recovered 300' gas in pipe; 15' clean gassy oil; and 60' mud cut oil (60% oil, 40% mud).

IFP:39-39#/30"; ISIP:731#/30";
FFP:49-59#/60"; FSIP:848#/45".

* - Surface blow increased during FFP, therefore FFP and FSIP times were extended.

DST #3 from 4246' to 4275' (L/KC "J" zone). Recovered 5' mud.
IFP:29-29#/30"; ISIP:29#/30";
FFP:29-29#/30"; FSIP:29#/30".

DST #4 from 4275' to 4350' (L/KC "K" through "L" zones). Recovered 90' slightly oil spotted mud.

IFP:29-49#/30"; ISIP:877#/30";
FFP:59-68#/30"; FSIP:848#/30".

DST #5 from 4457' to 4617' (Pawnee through Johnson zone). Recovered 5' mud.

IFP:39-39#/30"; ISIP:195#/30";
FFP:39-39#/30"; FSIP:107#/30".

DST #6 from 4615' to 4637' (Conglomerate Sand). Recovered 45' oil cut mud with show of free oil in tool (25% oil, 75% mud).

IFP:39-39#/30"; ISIP:1003#/30";
FFP:39-39#/45"; FSIP:1062#/45".

15-063-21470-00-00

3-483-2627, Russell, Kansas
Phone 316-793-5861, Great Bend, Kansas

CONFIDENTIAL

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

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

4965

ORIGINAL

new

Date	12-13-93	Sec.	10	fwp.	11 S	Range	31 W	Called Out	4:30 AM	On Location	6:00 AM	Job Start	6:30 AM	Finish	8:30 AM
Lease	Wq/3	Well No.	1	Location	Campus 1 S-1/2 W-N. Side			County	Gove	State	KS				

Contractor	white & ellie's Drilling #9	
Type Job	plug	
Hole Size	7 7/8	T.D. 4685
Csg.		Depth
Tbg. Size		Depth
Drill Pipe	4 1/2 16.6	Depth 2550
Tool		Depth
Cement Left in Csg.		Shoe Joint
Press Max.		Minimum KCC
Meas Line		Displace 1-18 JAN 1 8
Perf.		

Owner	Ritchie Exploration, Inc	
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	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.	X Donald G. Penning #9	
CEMENT		

EQUIPMENT

No.	Cementer	Ken
Pumptrk 300	Helper	Fitz
No.	Cementer	
Pumptrk	Helper	
	Driver	
Bulktrk 315		STEVE
Bulktrk	Driver	

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Amount Ordered	190 SK 60/40 Pkg 6 to gal 1/4" Flo Seal		
Consisting of			
Common	114	SKs @ 6.55	780.00
Poz. Mix	76	SKs @ 3.00	228.00
Gel.	7	SKs @ 7.00	49.00
Chloride			
Quickset			
Flo-Seal	48	SKs @ 1.10	52.80
Sales Tax			
Handling	1.00 per SK		190.00
Mileage	4¢ per SK mile		60.80
8 miles			
Sub Total			1,361.60
Total			

DEPTH of Job	2550	
Reference:	Pumptruck	430.00
	2.25 per mile	18.00
	1-8 5/8 Dry Hole Plug	21.00
	Sub Total	
	Tax	
	Total	469.00

Remarks:

25 SK @ 2550 ft.
 100 SK @ 1700 FT
 40 SK @ 260 ft.
 10 SK @ 40 ft.
 15 SK in rot Hole

Floating Equipment

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3-14-1996
MAR 14 1996

FROM CONFIDENTIAL

COPIES
THAT
12-20-93
SV

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

CONFIDENTIAL

15-063-21470-00-00

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

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

4943

ORIGINAL

New

Date	12-4-93	Sec.	10	Fwp.	11	Range	31	Called Out	3:00 am	On Location	4:30 am	Job Start	6:30 am	Finish	6:45 am	
Lease	Waltz	Well No.	1	Location				Campus 1/2 S - 1/2 W - N Side		County	Gove	State	KS			

Contractor	White & Ellis Drily		
Type Job	Surface		
Hole Size	12 1/4	T.D.	212
Csg.	8 5/8 24"	Depth	210
Tbg. Size		Depth	KOC
Drill Pipe		Depth	1-18
Tool		Depth	JAN 1 8
Cement Left in Csg.	15	Shoe Joint	CONFIDENTIAL
Press Max.		Minimum	
Meas Line		Displace	12 1/2 Bbls
Perf.			

EQUIPMENT

OKley	No.	Cementer	Fitz
Pumptrk	300	Helper	TERRY
Pumptrk	No.	Cementer	
Pumptrk		Helper	
Bulktrk	212	Driver	Fitz
Bulktrk		Driver	

DEPTH of Job 210

Reference:	Pump Trk	430 ⁰⁰
1	8 5/8 Surface Plug	42 ⁰⁰
	2 3/4 per mile	18 ⁰⁰
	Sub Total	
	Tax	
	Total	490 ⁰⁰

Remarks: mix cement - Release Plug
 Displace to within 15ft from bottom
 Cement Did Circulate

Owner Ritchie Explorations
 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 Explorations
 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.
 X Steve Kilgus
CEMENT

Amount Ordered 135 sk 60/40 32cc 28 G+1

Consisting of			
Common	81sk	2	6 ⁵²
Poz. Mix	54sk	2	3 ⁰⁰
Gel.	2sk	2	7 ⁰⁰
Chloride	4sk	2	25 ⁰⁰
Quickset			100 ⁰⁰

Handling	1 ⁰⁰ per sk	135 ⁰⁰
Mileage	4¢ per sk/mile	45 ⁰⁰
	8 miles	
	Sub Total	996 ⁸⁵

RELEASED

3-14-1996
 JAN 1 4 1996

Floating Equipment
FROM CONFIDENTIAL

DEC 9 3
 1010994