

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

API NO. 15- 179-21054 - 00 - 00
County Sheridan
SE - NE - NW Sec. 1 Twp. 10S Rge. 29 X ^E

CONFIDENTIAL

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

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

Purchaser: _____
Operator Contact Person: Bob Mathiesen
Phone (316) 267-4375

Lease Name Schultz Well # 1
Field Name _____
Producing Formation _____
Elevation: Ground 2822' KB 2827'
Total Depth 4218' PBD 4250'

Contractor: Name: Murfin Drilling Company, Inc.
License: 30606

Depth of Surface Pipe Set and Cemented at 250 Feet
Multiple Stage Cementing Collar Used? Yes _____ No _____

Wellsite Geologist: K. Noah
Designate Type of Completion
 New Well _____ Re-Entry _____
 Oil _____ SWD _____ S1OW _____
 Gas _____ ENHR _____ SIGW _____
 Dry _____ Other (Core, MSW, Expl., Cathodic, etc) _____

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12-29-1992
CONSERVATION DIVISION
WICHITA, KS

Workover _____ If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.
Drilling Fluid Management Plan DFA 1-13-93
(Data must be collected from the Reserve Pit)

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 _____ PBD _____
Commingled _____ Docket No. _____
Dual Completion _____ Docket No. _____
Other (SWD or Inj?) Docket No. _____
10/14/92 10/20/92 10/25/92
Spud Date Date Reached TD Completion Date

Chloride content 2200 ppm, Fluid volume 588 bbls
Dewatering method used evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name _____
Lease Name _____ License No. _____
Quarter Sec. Twp. 10S Rge. 29 X ^E
County _____ Docket No. _____

ORIGINAL

RELEASED

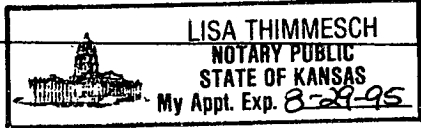
FEB 14 1995

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 (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 12-29-92
Subscribed and sworn to before me this 29th day of December, 19 92
Notary Public Lisa Thimmesch
Date Commission Expires _____



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 Schultz Well # 1

Sec. 1 Twp. 10S Rge. 29
 East
 West

County Sheridan

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 Datums Sample
 Name Top Datum

See attached sheet

List All E.Logs Run:
 R.A. Guard Log

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#	250'	60/40	180	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 <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD 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 _____

COPY SIDE ONE
CONFIDENTIAL

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

APP. NO. 15- 179-21054-00-00
County Sheridan

- SE - NE - NW Sec. 1 Twp. 10S Rge. 29 X ^E _W

Operator: License # 4767

990 Feet from S (N) (circle one) Line of Section

Name: Ritchie Exploration, Inc.

2310 Feet from E (W) (circle one) Line of Section

Address 125 N. Market, Ste. 1000

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NE, SE, (NW) or SW (circle one)

City/State/Zip Wichita, KS 67202

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Purchaser: _____

Field Name _____

Operator Contact Person: Bob Mathiesen

Producing Formation _____

Phone (316) 267-4375

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License: 30606

Length of Surface Pipe Set and Cemented at 250 Feet

Wellsite Geologist: K. Noah

Multiple Stage Cementing Collar Used? Yes No

Designate Type of Completion
 New Well Re-Entry Workover

yes, show depth set _____ Feet

Oil SWD S10W Temp Workover

Alternate II completion, cement circulated from _____

Gas ENHR SIGW

feet depth to _____ w/ _____ sx cnt.

Dry Other (Core, WSW, Expl., Cathodic, etc)

Drilling Fluid Management Plan DA 1-13-93

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

(Data must be collected from the Reserve Pit)

Operator: _____

Chloride content 2200 ppm Fluid volume 588 bbls

Well Name: _____

Dewatering method used evaporation

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite: _____

Deepening Re-perf. Conv. to Inj/SWD

Operator Name _____

Plug Back PBDT

Lease Name _____ License No. _____

Commingled Docket No. _____

Quarter Sec. Twp. S Rng. E/W

Dual Completion Docket No. _____

County _____ Docket No. _____

Other (SWD or Inj?) Docket No. _____

10/14/92 10/20/92 10/25/92
Spud Date Date Reached TD Completion Date

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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 12-29-92

Subscribed and sworn to before me this 29th day of December, 19 92

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)

RITCHIE EXPLORATION, INC.

125 N. Market - Suite 1000

Wichita, Kansas 67202-1775

316-267-4375 FAX 316-267-3026

#1 Schultz
SE NE NW
Section 1-10S-29W
Sheridan County, Kansas
API# 15-179-21,054-~~00-00~~

ORIGINAL

ELECTRIC LOG TOPS

Heebner 3922' (-1095)
Toronto 3945' (-1118)
Lansing 3962' (-1135)
Stark 4155' (-1328)
B/KC 4203' (-1376)
LTD 4217' (-1390)

DST #1 from 3979' to 4014' (L/KC "C" & "D" zones).
Recovered 110' of gassy mud with a few oil spots.
IFP:96-96#/45"; ISIP:1133#/45";
FFP:115-115#/45"; FSIP:1095#/45".

DST #2 from 4076' to 4130' (L/KC "H" & "I" zones). Recovered 240'
of gas in pipe, 840' of oil cut watery mud (10% oil, 69% mud, 21%
water), 540' of slight oil cut muddy water (5% oil, 18% mud, 77%
water) and 240' of salt water. 1620' total fluid.
IFP:221-509#/30"; ISIP:1324#/30";
FFP:634-788#/30"; FSIP:1314#/30".

DST #3 from 4129' to 4218' (L/KC "J", "K", and "L" zones).
Recovered 60' of mud with a few oil spots.
IFP:105-105#/30"; ISIP:1124#/30";
FFP:115-115#/30"; FSIP:1057#/30".

DEC 29
CONFIDENTIAL

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KANSAS CORPORATION COMMISSION

DEC 29-1992

CONSERVATION DIVISION
WICHITA, KS

RELEASED

FEB 14 1995

FROM CONFIDENTIAL

CONFIDENTIAL

316-793-5861, Russell, Kansas

15-179-21054-00-00

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

5310

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	10-14-92	Sec.	1	Twp.	10 S	Range	29 W	Called Out	4:00 PM	On Location	6:25 PM	Job Start	7:00 PM	Finish	7:30 PM	
Lease	SCHULTZ	Well No.	#1	Location				Hoxie 7 1/2 S 1 W 1 S		County		SHERIDAN		State		KANSAS
Contractor	MURFIN DRUG RIG. #8															
Type Job	SURFACE															
Hole Size	12 1/4		T.D.	251'												
Csg.	8 5/8 - 20#		Depth	250'												
Tbg. Size																
Drill Pipe																
Tool																
Cement Left in Csg.	15'		Shoe Joint													
Press Max.																
Meas Line	✓		Displace	✓ 15 BBL												
Perf.																

Owner 3 W 1 S 1/2 E

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]*

X

CEMENT

Amount Ordered 180 SK 6 3/4 2% Gel 32 cc

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	

Consisting of			
Common	108	5.50	594.00
Poz. Mix	72	2.50	180.00
Gel.	4	6.75	N/C
Chloride	5	21.00	105.00
Quickset			

DEPTH of Job

Reference:	Pump Truck CHRG	380.00
	200 Per mile	70.00
	1-8 5/8 RUBBER PLUG	72.00
	Sub Total	522.00
	Tax	
	Total	

Handling	RELEASED	100	180.00
Mileage	35	04	252.00
	DEC 14 1995		
	Sub Total		1311.00
	Total		

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KANSAS CORPORATION COMMISSION

DEC 29 1992

CONSERVATION DIVISION
WICHITA, KS

Remarks: Cement CIRCULATE

[Signature]

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

15-179-21054 ORIGINAL

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

ALLIED CEMENTING CO., INC.

3362

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
10-24-92	1	10	29	6:00 PM	9:30 PM	11:00 PM	2:00 AM
Lease: <i>Schultz</i>	Well No. #1	Location <i>Grain field 2 1/2 mi E</i>			County <i>Sheridan</i>	State <i>Kansas</i>	
Contractor <i>Murphy Drlg Rig 8</i>				Owner <i>same</i>			
Type Job <i>Plug</i>				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 <i>7 3/4</i>	T.D. <i>4218'</i>			Charge To <i>Ritchie Exploration Trk</i>			
Csg. <i>8 5/8"</i>	Depth <i>250</i>			Street <i>125 N. Market # 1000</i>			
Tbg. Size	Depth			City <i>Wichita</i> State <i>Kansas</i>			
Drill Pipe	Depth			The above was done to satisfaction and supervision of owner agent or contractor.			
Tool	Depth			Purchase Order No.			
Cement Left in Csg.	Shoe Joint			X <i>Tim Kunderbeck</i>			
Press Max.	Minimum <i>DEC 29</i>			CEMENT			
Meas Line	Displace			Amount Ordered <i>190 SKS 60/40 Poz 6% Gel</i>			
Perf.	CONFIDENTIAL			Consisting of			
OCT 9 2 EQUIPMENT 1007716				Common <i>11A @ 550</i> <i>627.00</i>			
#153 No.	Cementor	<i>M Kaufman</i>		Poz. Mix <i>76 @ 250</i> <i>190.00</i>			
Pumptrk	Helper	<i>Dave F</i>		Gel. <i>7 @ 675</i> <i>47.25</i>			
No.	Cementor	RELEASED		Chloride			
Pumptrk	Helper	RELEASED		Quickset			
#212	Driver	<i>Joe S.</i>		Sales Tax			
Bulktrk	FEB 14 1995		Handling <i>@ 1.00</i> <i>190.00</i>				
Bulktrk	Driver	FROM CONFIDENTIAL		Mileage <i>4¢/mi</i> <i>266.00</i>			
DEPTH of Job				Mileage <i>4¢/mi</i> <i>266.00</i>			
Reference:	Pump Trk		Mileage <i>4¢/mi</i> <i>266.00</i>				
#	<i>1-8 5/8" Plug</i>		Mileage <i>4¢/mi</i> <i>266.00</i>				
	<i>2.00 Per Mile</i>		Mileage <i>4¢/mi</i> <i>266.00</i>				
	Sub Total		Mileage <i>4¢/mi</i> <i>266.00</i>				
	Tax		Mileage <i>4¢/mi</i> <i>266.00</i>				
	Total		Mileage <i>4¢/mi</i> <i>266.00</i>				
Remarks: <i>25 SKS @ 2440'</i>				Mileage <i>4¢/mi</i> <i>266.00</i>			
<i>100 SKS @ 1520'</i>				Mileage <i>4¢/mi</i> <i>266.00</i>			
<i>40 SKS @ 280'</i>				Mileage <i>4¢/mi</i> <i>266.00</i>			
<i>10 SKS @ 40'</i>				Mileage <i>4¢/mi</i> <i>266.00</i>			
<i>15 SKS IN RAT Hole</i>				Mileage <i>4¢/mi</i> <i>266.00</i>			

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 (35) KANSAS CORPORATION COMMISSION
 DEC 29 1992
 CONSERVATION DIVISION
 WICHITA, KS
 OCT 27 1992