

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

**CONFIDENTIAL** WELL HISTORY - DESCRIPTION OF WELL & LEASE

**ORIGINAL**

Operator: License # 4767  
Name: Ritchie Exploration, Inc.  
Address: P.O. Box 783188  
City/State/Zip: Wichita, KS 67278-3188  
Purchaser: Equiva

Operator Contact Person: Karen Hopper  
Phone: (316) 691-9500

Contractor: Name: \_\_\_\_\_  
License: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_  
Designate Type of Completion:

\_\_\_\_ New Well \_\_\_\_ Re-Entry  Workover  
\_\_\_\_ Oil \_\_\_\_ SWD \_\_\_\_ SLOW \_\_\_\_ Temp.  
\_\_\_\_ Gas \_\_\_\_ ENHR \_\_\_\_ SIGW  
\_\_\_\_ Dry \_\_\_\_ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:

Operator: Ritchie Exploration, Inc.  
Well Name: E. Shughart #1

Original Comp. Date: 1-11-96 Original Total Depth: 4654'  
\_\_\_\_ Deepening  Re-perf. \_\_\_\_ Conv. to Enhr./SWD

\_\_\_\_ Plug Back \_\_\_\_ Plug Back Total Depth

\_\_\_\_ Commingled Docket No. \_\_\_\_\_

\_\_\_\_ Dual Completion Docket No. \_\_\_\_\_

\_\_\_\_ Other (SWD or Enhr.?) Docket No. \_\_\_\_\_

7-19-00 7-25-00

Spud Date or Date Reached TD Completion Date or Completion Date

API No. 15 - 193-20,640-0002

County: Thomas

SE NE NW Sec. 11 Twp. 6 S. R. 33  East  West

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:

(circle one) NE SE NW SW

Lease Name: E. Shughart Well #: 1

Field Name: \_\_\_\_\_

Producing Formation: Lansing/Kansas City

Elevation: Ground: 3101 Kelly Bushing: 3106

Total Depth: 4654 Plug Back Total Depth: 4430

Amount of Surface Pipe Set and Cemented at 261 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 2673 Feet

If Alternate II completion, cement circulated from 2673

feet depth to surface w/ 360 sx cmt.

Drilling Fluid Management Plan ALT II DAW 1-30-02  
(Data must be collected from the Reserve Pit)

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Dewatering method used \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_

\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
Wichita, Kansas

NOV 1 2000

RECEIVED

**RELEASED**

**CONFIDENTIAL**

**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 of 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: Production Manager Date: 10-30-2000

Subscribed and sworn to before me this 30<sup>th</sup> day of October

2000

Notary Public: Karen Hopper

Date Commission Expires: 10-27-03

**KCC Office Use ONLY**

Letter of Confidentiality Attached

If Denied, Yes  Date: \_\_\_\_\_

Wireline Log Received

Geologist Report Received

UIC Distribution

KCC

**KAREN HOPPER**  
Notary Public - State of Kansas  
My Appt. Expires 10/27/03

Operator Name: Ritchie Exploration, Inc. Lease Name: E. Shughart Well #: 1  
 Sec. 11 Twp. 6 S. R. 33  East  West County: Thomas

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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

List All E. Logs Run:

Shallow Induction  
 Sonic  
 Neutron

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	# Sacjs Used	Type and Percent Additives
surface	12 1/4"	8 5/8"	24#	261'	60/40 poz	165	2% gel, 3% cc
production	7 7/8"	5 1/2"	14#/15.5#	4651'	EA-2	195	

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
	(1-5-96)	(1-10-96)			
3	4448-52 (Cherokee)	CIBP @ 4430'			
3	4351-55 (Pawnee)	(1-5-96)	900 gals 15% Acid	(2-9-96)	
3	4149-55 (LKC)	(7-22-96)	1000 gals 15% Acid	(7-23-96)	
3	4064-69 (LKC)	(7-20-00)	1000 gals 15% Acid	(7-21-00)	
3	4022-24 (LKC)	(7-20-00)	750 gals 15% Acid	(7-24-00)	

TUBING RECORD			Liner Run		
Size	Set At	Packer At	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
2 7/8"	4134'	4133' (bull)			
Date of First, Resumerd Production, SWD or Enhr. 7-25-00		Producing Method plugged) <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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	70	0	24		

Disposition of Gas  Vented  Sold  Used on Lease (If vented, Sumit ACO-18.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

CONFIDENTIAL

ORIGINAL



RITCHIE

EXPLORATION, INC.  
Wichita, Kansas

KCC

OCT 30 2000

CONFIDENTIAL

RELEASED

OCT 30 2001

FROM CONFIDENTIAL

#1 E. Shughart  
SE NE NW  
Section 11-6S-33W  
Thomas County, Kansas

API# 15-193-20,641

DRILLING REPORT

	Sample Tops	Ref. Well
Anhydrite	2703'(+ 403)	-4
B/Anhy	2742'(+ 364)	-6
Topeka	3719'(- 613)	+2
Heebner	3944'(- 838)	+2
Toronto	3976'(- 870)	+1
Lansing	3993'(- 887)	+2
Stark	4163'(-1057)	+4
B/KC	4223'(-1117)	+5
Marmaton	4239'(-1133)	+4
Pawnee	4347'(-1241)	+4
Fort Scott	4402'(-1296)	+7
Cher. shale	4420'(-1314)	+7
Cher. Lm	4440'(-1334)	+7
Mississippi	4550'(-1444)	+23
RTD	4650'(-1544)	

	Log Tops	Ref. Well
Anhydrite	2704'(+ 402)	-5
B/Anhy	2738'(+ 368)	-2
Topeka	3722'(- 616)	-1
Heebner	3945'(- 839)	+1
Toronto	3978'(- 872)	-1
Lansing	3992'(- 886)	+3
Stark	4166'(-1060)	+1
B/KC	4222'(-1121)	+1
Marmaton	4238'(-1132)	+5
Pawnee	4350'(-1244)	+1
Fort Scott	4406'(-1300)	+3
Cher sh	4427'(-1321)	flat
Cher Lm	4446'(-1340)	+1
Mississippi	4554'(-1448)	+19
LTD	4654'(-1548)	

**CONFIDENTIAL**

**ORIGINAL**

12-13-95 Drilling at 3960'. DST #1 from 3941' to 4004' (Toronto - Lansing A zone). Recovered 90' watery mud, 240' muddy water, and 480' water. 810' total fluid. Sampler recovery: 2850 cc water, 100 cc mud.  
IFP: 72-302#/30"; ISIP:1277#/30";  
FFP: 468-489#/30"; FSIP:1267#/30".

**KCC**

**OCT 30 2000**

**CONFIDENTIAL**

12-14-95 DST #2 from 4003' to 4045' (Lansing B, C, and D zones). Recovered 280' clean gassy oil (29° gravity), 300' muddy gassy oil (15% gas, 60% oil, 25% mud), 360' muddy gassy oil (10% gas, 71% oil, 19% mud). 940' total fluid  
IFP:156-395#/30"; ISIP:1257#/30";  
FFP:Plugged; FSIP:1277#/30".

**RELEASED**

**OCT 30 2001**

Sampler recovery: 2,303 cc oil, 147 cc mud, 3.6 cf gas @ 300 psi  
Note: No fluid recovery during final flow period: 940' fluid in 30 minutes.

**FROM CONFIDENTIAL**

12-15-95 DST #3 from 4040' to 4068' (L/KC F zone). Recovered 760' clean oil (37° gravity), 60' heavy oil and gas cut mud (23% gas, 37% oil, 40% mud), and 60' heavy oil and gas cut mud (15% gas, 37% oil, 48% mud). 880' total fluid.  
IFP:72-229#/30"; ISIP:1267#/30";  
FFP:270-322#/30"; FSIP:1246#/30".  
Sampler recovery: 2565 cc oil, 135 cc mud, 2.28 cf gas @ 260 psi

DST #4 from 4072' to 4084' (L/KC G zone). No recovery in drill pipe.  
IFP:20-20#/30"; ISIP:20#/30";  
FFP:20-20#/30"; FSIP:20#/30".  
Sampler recovery: 5 cc oil, 495 cc mud @ 18 psi.

12-16-95 DST #5 from 4084' to 4120' (L/KC H zone). Recovered 70' very slightly oil cut mud (1% oil, 99% mud), 120' very slightly oil cut muddy water (1% oil, 4% mud, 95% water). 190' total fluid.  
IFP:52-72#/45"; ISIP:1340#/60";  
FFP:104-114#/45"; FSIP:1329#/60";  
Sampler recovery: 30 cc oil, 2970 cc water @ 180 psi.

12-17-95 DST #6 from 4116' to 4165' (L/KC J zone). Recovered 1830' clean oil (37° gravity), 120' slightly muddy gassy oil (4% mud, 10% gas, 86% oil). 1950' total fluid.  
IFP:114-406#/30"; ISIP:1288#/45";  
FFP:468-697#/45"; FSIP:1288#/90".  
Sampler recovery: 2850 cc oil, 1.82 cf gas @ 600 psi.

12-18-95 DST #7 from 4269' to 4374' (Altamont through Pawnee). Recovered 2450' clean oil (36° gravity) and 120' slightly muddy gassy oil (6% mud, 10% gas, 84% oil). 2570' total fluid.  
IFP:312-479#/30"; ISIP:1174#/45";  
FFP:520-749#/45"; FSIP:1174#/90".  
Sampler recovery: 2900 cc oil, 1.53 cf gas @ 625 psi.

#1 Shughart

Page 3

12-19-95

**CONFIDENTIAL**



**ORIGINAL**

DST #8 from 4416' to 4466' (Cherokee). Recovered 840' slightly mud cut oil (3% mud, 97% oil) (12° gravity), 60' oil cut muddy water (20% oil, 30% mud, 50% water). 900' total fluid.

IFP:135-291#/30"; ISIP:997#/45";

FFP:322-395#/45"; FSIP:914#/90".

Sampler recovery: 1000 cc oil, 1500 cc water @ 200 psi.

**KCC**

OCT 30 2000

**CONFIDENTIAL**

**RELEASED**

OCT 30 2001

FROM CONFIDENTIAL

CONFIDENTIAL

ORIGINAL COPY

# ALLIED CEMENTING CO., INC.

3377

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

RELEASED

SERVICE POINT:

Oakley

DATE <u>12/26/95</u>	SEC. <u>11</u>	TWP. <u>6S</u>	RANGE <u>33W</u>	OCT 30 2001 CALLED OUT <u>8:30AM</u>	ON LOCATION <u>12:00PM</u>	JOB START <u>1:15PM</u>	JOB FINISH <u>2:30PM</u>
LEASE <u>E. Shugart</u>		WELL# <u>1</u>	LOCATION <u>Colby 10N 4 1/2 E S1S</u>		COUNTY <u>Thomas</u>	STATE <u>Ks</u>	

OLD OR NEW (Circle one)

CONTRACTOR \_\_\_\_\_ OWNER SEMY

TYPE OF JOB Port Collet CEMENT

HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_

CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

TUBING SIZE 2 1/4 DEPTH 2673

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX 1250 MINIMUM 200

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. KCC

PERFS. \_\_\_\_\_

AMOUNT ORDERED (550 SKS)

360 - SKS 50/50 1670gel 14" Flo-Seal

COMMON	<u>180</u>	SKS	@	<u>7.20</u>	<u>1,296.00</u>
POZMIX	<u>180</u>	SKS	@	<u>3.15</u>	<u>567.00</u>
GEL	<u>18</u>	SKS	@	<u>9.50</u>	<u>171.00</u>
CHLORIDE			@		
<u>Flo-Seal</u>	<u>90</u>	<u>#</u>	@	<u>1.15</u>	<u>103.50</u>
			@		
			@		
			@		
			@		
HANDLING	<u>550</u>	SKS	@	<u>1.05</u>	<u>577.50</u>
MILEAGE	<u>4¢</u>	per SK/mi.			<u>770.00</u>
TOTAL					<u>3,485.00</u>

OCT 30 2000

EQUIPMENT CONFIDENTIAL

PUMP TRUCK CEMENTER Max

# 191 HELPER Walt

BULK TRUCK

# 303 DRIVER Terry

BULK TRUCK

# 218 DRIVER Dean

REMARKS:

Test Tbg 1200 PSL open Tool Pump

500L H<sub>2</sub>O Blown Ann. Mix Cmt

Displace 14 1/2 BBL Close

Tool Test To 1250 PSL Run in 5 JTs

Tbg Reverse out, Cement Del Cmt

Actual Rep: Walt, Paul

Paul Well Serv. - Paul Fisher - [Signature]

SERVICE

DEPTH OF JOB 2673

PUMP TRUCK CHARGE 550.00

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE 35 - mi @ 2.35 82.25

PLUG @ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

TOTAL 632.25

CHARGE TO: Ritchie Exploration

STREET 125 N Market, #1000

CITY Wichita STATE Kan ZIP 67202

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 [Signature]

CONFIDENTIAL

ORIGINAL

# ALLIED CEMENTING CO., INC.

4089

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

SERVICE POINT:

Oakley

DATE <u>12-9-95</u>	SEC. <u>11</u>	TWP. <u>6<sup>s</sup></u>	RANGE <u>33<sup>w</sup></u>	CALLED OUT	ON LOCATION <u>1:15 PM</u>	JOB START	JOB FINISH <u>5:00 AM</u>
LEASE <u>Shughart</u>		WELL # <u>1</u>	LOCATION <u>Colby 11N-4 1/2 E S.S.</u>		COUNTY <u>Thomas</u>	STATE <u>Kan</u>	

OLD OR NEW (Circle one)

CONTRACTOR <u>MucFin Dels Co #8</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Surface</u>	CEMENT
HOLE SIZE <u>12 1/4</u>	T.D. <u>265'</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>261'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS. <u>KCC</u>	

AMOUNT ORDERED 165 SKS 6940 per  
3% CC - 2% Gel

COMMON	<u>99 SKS</u>	@	<u>7<sup>20</sup></u>	<u>712<sup>00</sup></u>
POZMIX	<u>66 SKS</u>	@	<u>3<sup>15</sup></u>	<u>207<sup>90</sup></u>
GEL	<u>3 SKS</u>	@	<u>9<sup>50</sup></u>	<u>28<sup>50</sup></u>
CHLORIDE	<u>5 SKS</u>	@	<u>28<sup>00</sup></u>	<u>140<sup>00</sup></u>
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>165 SKS</u>	@	<u>1<sup>05</sup></u>	<u>173<sup>25</sup></u>
MILEAGE	<u>44 per SK/mile</u>			<u>231<sup>00</sup></u>

EQUIPMENT OCT 30 2000

CONFIDENTIAL

PUMP TRUCK	CEMENTER <u>Walt</u>
# <u>191</u>	HELPER <u>Wayne</u>
BULK TRUCK	
# <u>212</u>	DRIVER <u>Paul</u>
BULK TRUCK	
#	DRIVER

RELEASED TOTAL 1,493<sup>45</sup>

REMARKS: OCT 30 2001 SERVICE

FROM CONFIDENTIAL

DEPTH OF JOB	<u>261</u>		
PUMP TRUCK CHARGE			<u>445<sup>00</sup></u>
EXTRA FOOTAGE		@	
MILEAGE	<u>35 miles</u>	@	<u>2<sup>35</sup></u>
PLUG	<u>8 5/8 Surface</u>	@	<u>45<sup>00</sup></u>
		@	
		@	

TOTAL 572<sup>25</sup>

CHARGE TO: Ritchie Explorations Inc  
 STREET 125 N Market #1000  
 CITY Wichita STATE Kan ZIP 67202

FLOAT EQUIPMENT

@		
@		
@		
@		
@		

TOTAL \_\_\_\_\_

DEC 9 5 1014727

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 Keith VanBert