

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1  
September 1999  
Form Must Be Typed

**ORIGINAL**

Operator: License # 4767  
Name: Ritchie Exploration, Inc.  
Address: P.O. Box 783188  
City/State/Zip: Wichita, KS 67278-3188  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Craig Caulk  
Phone: (316) 691-9500  
Contractor: Name: Val Energy, Inc.  
License: 5822

**KCC**  
**MAR 18 2005**  
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Wellsite Geologist: Mike Engelbrecht  
Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     SWD     SLOW     Temp. Abd.  
 Gas     ENHR     SIGW  
 Dry     Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 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. \_\_\_\_\_

<u>1/6/05</u>	<u>1/21/05</u>	<u>1/22/05</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 119-21143-00-00  
County: Meade *Approx 50'S + 100'E of*  
E/2 W/2 NE Sec. 5 Twp. 30 S. R. 30  East  West  
1370 feet from S N (circle one) Line of Section  
1550 feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Patterson Trust Well #: 1  
Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_  
Elevation: Ground: 2808 Kelly Bushing: 2818  
Total Depth: 5435 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 1728 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit) *ALT I PFA WATER 5-2-07*  
Chloride content 6400 ppm Fluid volume 2000 bbls  
Dewatering method used evaporation

Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**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: Craig Caulk  
Title: Geologist Date: 3/18/05  
Subscribed and sworn to before me this 18th day of March,  
20 05.  
Notary Public: Debra K. Phillips  
Date Commission Expires: 5/14/07

**DEBRA K. PHILLIPS**  
Notary Public - State of Kansas  
My Appt. Expires 5/14/07

**KCC Office Use ONLY**  
Yes Letter of Confidentiality Received **RECEIVED**  
If Denied, Yes  Date: \_\_\_\_\_  
Wireline Log Received **MAR 22 2005**  
Geologist Report Received **KCC WICHITA**  
UIC Distribution

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Side Two

**ORIGINAL**

Operator Name: Ritchie Exploration, Inc. Lease Name: Patterson Trust Well #: 1  
Sec. 5 Twp. 30 S. R. 30  East  West County: Meade

**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)

List All E. Logs Run:

Dual Induction Log  
Compensated Density/Neutron PE Log

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

SEE ATTACHED

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**MAR 18 2005**  
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CASING RECORD <input checked="" 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	# Sacks Used	Type and Percent Additives
Surface	12-1/4	8-5/8	24	1728	Lite & Class A	600 & 150	3% cc, 1/4# floeal & 3% cc

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ 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, Resumerd Production, SWD or Enhr.	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 \_\_\_\_\_

**RECEIVED**  
**MAR 22 2005**

**KCC WICHITA**



ORIGINAL

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MAR 18 2005  
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**#1 Patterson Trust**  
1370' FNL & 1550' FEL  
Section 5-30S-30W  
Meade County, Kansas  
API# 15-119-21143-00-00  
Elevation: 2808' GL, 2818' KB

<u>Sample Tops</u>		<u>Ref.</u>	<u>Well</u>
Heebner	4181'	-1363	-6
Lansing Iola	4522'	-1704	-5
Stark Shale	4681'	-1863	-6
Lansing Swope	4692'	-1874	-6
Pawnee	4932'	-2114	flat
Cherokee Shale	4968'	-2150	flat
Atoka Shale	5166'	-2348	-7
Mississippi Chester	5208'	-2390	-4
Mississippi St. Gen	5392'	-2574	-2
RTD	5435'	-2617	

RECEIVED  
MAR 22 2005  
KCC WICHITA

# ALLIED CEMENTING CO., INC. 17758

**CONFIDENTIAL**

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

~~KCC~~  
MAR 18 2005

**ORIGINAL**  
SERVICE POINT: Medicine LDb.

DATE <u>1-21-05</u>	SEC. <u>5</u>	TWP. <u>30s</u>	RANGE <u>30W</u>	<b>CONFIDENTIAL</b>	ON LOCATION <u>4:30 P.M.</u>	ON LOCATION <u>10:30 P.M.</u>	JOB START <u>1:00 A.M.</u>	JOB FINISH <u>4:00 A.M.</u>
LEASE <u>Patterson TRUST</u> WELL # <u>1</u>			LOCATION <u>Plains 14 N 1 1/2 W</u>			COUNTY <u>Mcade</u>	STATE <u>KS,</u>	
OLD OR <u>(NEW)</u> (Circle one)			<u>S/INTO</u>					

CONTRACTOR Val #1

TYPE OF JOB Rotary Plug

HOLE SIZE 7 7/8 T.D. 1800

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

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE 4 1/2 DEPTH 1800

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

PRES. MAX — MINIMUM —

MEAS. LINE \_\_\_\_\_ SHOE JOINT —

CEMENT LEFT IN CSG. —

PERFS. —

DISPLACEMENT Fresh water + Mud

OWNER Ritchie Exploration

CEMENT AMOUNT ORDERED 130sx 60' 40' 6

COMMON	<u>78sx</u>	@	<u>9.55</u>	<u>744.90</u>
POZMIX	<u>52sx</u>	@	<u>4.50</u>	<u>234.00</u>
GEL	<u>7sx</u>	@	<u>13.00</u>	<u>91.00</u>
CHLORIDE		@		
ASC		@		
<b>RECEIVED</b>				
<b>MAR 22 2005</b>				
<b>KCC WICHITA</b>				
HANDLING	<u>137</u>	@	<u>1.50</u>	<u>205.50</u>
MILEAGE	<u>137x.05x45</u>			<u>309.75</u>
				<b>TOTAL</b> <u>1614.70</u>

**REMARKS:**

1st Plug 1800 FT Pump 9 Bbls, Water  
Mix 50sx cement pump 3 Bbls, Water  
15 Bbls Mud 2nd Plug 450 FT Pump  
12 Bbls Water Mix 50sx cement  
Pump 5 Bbls, Water 15sx at 40 FT  
15sx in Rat Hole Wash up Rig  
Down.

CHARGE TO: Ritchie Exploration

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**SERVICE**

DEPTH OF JOB	<u>1800</u>			
PUMP TRUCK CHARGE				<u>620.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>45</u>	@	<u>4.00</u>	<u>180.00</u>

**TOTAL** 800.00

**PLUG & FLOAT EQUIPMENT**

MANIFOLD	@		
<u>Dry Hole Plug</u>	@		<u>35.00</u>
	@		
	@		
	@		
<u>35.00</u>			
<b>TOTAL</b> _____			

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 800.00

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE X Adam Vaughn

X Adam Vaughn  
PRINTED NAME

# ALLIED CEMENTING CO., INC. 19880 ORIGINAL

**CONFIDENTIAL**

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

MAR 18 2005

SERVICE POINT:

Oakley

**CONFIDENTIAL**

DATE <u>1/9/05</u>	SEC. <u>5</u>	TWP. <u>30s</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION <u>8:30 PM</u>	JOB START <u>5:20 AM</u>	JOB FINISH <u>6:30 AM</u>
LEASE <u>Patterson Trust</u>		WELL# <u>1</u>		LOCATION <u>83+56 Jct 13 E 45 E/S</u>		COUNTY <u>Meade</u>	STATE <u>Ks</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Va Energy #1  
 TYPE OF JOB Cat 8 1/2 Surface  
 HOLE SIZE 12 1/4 T.D. 1720  
 CASING SIZE 8 3/4 29# DEPTH 1728  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 43  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 107.3

**EQUIPMENT**

PUMP TRUCK CEMENTER Max  
 # 373-281 HELPER Dean  
 BULK TRUCK \_\_\_\_\_  
 # 347 DRIVER Jared  
 BULK TRUCK \_\_\_\_\_  
 # 386 DRIVER Alan

**REMARKS:**

Cemented w/ 600sk Lite 39cc  
 1/4 Flo Seal followed w/ 150 sk  
 Com 39cc Release Plug & Disp  
 circulated 5 Bbls to Pit  
 Plug Landed Float Held  
 Thank you

CHARGE TO: Ritchie Exploration Inc  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

OWNER Same

CEMENT  
 AMOUNT ORDERED  
600sk Lite + 39cc 1/4 Flo Seal  
150sk Class A + 39cc

COMMON <u>150sk</u>	@ <u>9.10</u>	<u>1365.00</u>
POZMIX _____	@ _____	_____
GEL _____	@ _____	_____
CHLORIDE <u>25sk</u>	@ <u>33.00</u>	<u>825.00</u>
ASC _____	@ _____	_____
<u>Lite weight 600sk</u>	@ <u>8.40</u>	<u>5040.00</u>
<u>Flo Seal 150#</u>	@ <u>1.40</u>	<u>210.00</u>
<u>Sugar 52#</u>	@ <u>1.00</u>	<u>52.00</u>
RECEIVED _____	@ _____	_____
MAR 22 2005 _____	@ _____	_____
KCC WICHITA _____	@ _____	_____
HANDLING <u>806</u>	@ <u>1.35</u>	<u>1088.10</u>
MILEAGE <u>54.15K/mi</u>	@ _____	<u>1813.50</u>
TOTAL		<u>10393.60</u>

**SERVICE**

DEPTH OF JOB 1728  
 PUMP TRUCK CHARGE \_\_\_\_\_ 118.00  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE 45 mi @ 4.00 180.00  
 MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL 1360.00

**PLUG & FLOAT EQUIPMENT**

<u>1-8 1/4 C wide SHoe</u>	@ _____	<u>215.00</u>
<u>1-8 1/4 AFU Insert</u>	@ _____	<u>325.00</u>
<u>3-9 1/4 Centralizers</u>	@ <u>55.00</u>	<u>165.00</u>
<u>1-8 1/4 Cement Baskets</u>	@ <u>180.00</u>	<u>180.00</u>
<u>1-8 1/4 Rubber Plug</u>	@ _____	<u>100.00</u>
TOTAL		<u>985.00</u>

TAX \_\_\_\_\_  
 TOTAL CHARGE \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

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SIGNATURE [Signature]

PRINTED NAME