

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE JAN 13 2003

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: (31) 691-9500  
Contractor: Name: Murfin Drilling Company, Inc.  
License: 30606  
Wellsite Geologist: Jeff Christian

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. \_\_\_\_\_

11/29/02 12/7/02 12/8/02  
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

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JAN 07 2003

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API No. 15 - 109-20695  
County: Logan  
SW SW NE Sec. 27 Twp. 12 S. R. 34  East  West  
2310 feet from S / N (circle one) Line of Section  
2230 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Hemmert Well #: 1  
Field Name: \_\_\_\_\_  
Producing Formation: \_\_\_\_\_  
Elevation: Ground: 3135 Kelly Bushing: 3140  
Total Depth: 4750 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 219 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** Y+A' & SW 4.9.03  
(Data must be collected from the Reserve Pit)  
Chloride content 44000 ppm Fluid volume 1000 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: 1/7/03

Subscribed and sworn to before me this 7<sup>th</sup> day of January, 2003

Notary Public: Karen Hopper  
Date Commission Expires: \_\_\_\_\_  
KAREN HOPPER  
Notary Public - State of Kansas  
My Appt. Expires \_\_\_\_\_

**KCC Office Use ONLY**  
 Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: Ritchie Exploration, Inc. Lease Name: Hemmert Well #: 1  
 Sec. 27 Twp. 12 S. R. 34 East  West County: Logan

**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 <input checked="" type="checkbox"/> Yes No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes No  Cores Taken Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes No <i>(Submit Copy)</i>  List All E. Logs Run:  Radiation Guard Log	Log Formation (Top), Depth and Datum Sample Name Top Datum See attached
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CASING RECORD <input checked="" type="checkbox"/> 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 1/4"	8 5/8'	23	219	common	150	

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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD		Size	Set At	Packer At	Liner Run	Yes	No
Date of First, Resumed Production, SWD or Enhr.		Producing Method					
Estimated Production Per 24 Hours		Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

Disposition of Gas      METHOD OF COMPLETION      Production Interval

Vented      Sold       Used on Lease      Open Hole      Perf.      Dually Comp.       Commingled \_\_\_\_\_  
*(If vented, Sumit ACO-18.)*       Other (Specify) \_\_\_\_\_

# ALLIED CEMENTING CO., INC. 12004

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Federal Tax I.D.# [REDACTED]

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

SERVICE POINT:

**ORIGINAL** Oakley

DATE <u>11-29-02</u>	SEC. <u>27</u>	TWP. <u>12 S</u>	RANGE <u>34 W</u>	CALLED OUT	ON LOCATION <u>4:30 PM</u>	JOB START <u>5:00 PM</u>	JOB FINISH <u>5:30 PM</u>
LEASE <u>Hammer</u> WELL # <u>1</u>		LOCATION <u>Monument 2W-4S-1W-4S</u>		COUNTY <u>Logan</u>		STATE <u>Kan</u>	
OLD OR <u>NEW</u> (Circle one)				<u>W-S.S.</u>			

CONTRACTOR MurFin Drlg Co #8

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 220'

CASING SIZE 8 5/8 DEPTH 219'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 13' 13 BBL

OWNER Same

CEMENT

AMOUNT ORDERED 150 SKs com

3% CC - 2% Cal

COMMON	<u>150 SKs</u>	@	<u>7.85</u>	<u>1,177.50</u>
POZMIX		@		
GEL	<u>3 SKs</u>	@	<u>10.00</u>	<u>30.00</u>
RELEASED CHEMICAL	<u>5 SKs</u>	@	<u>30.00</u>	<u>150.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER Walt

# 102 HELPER walt

BULK TRUCK

# 218 DRIVER Jarrold **KCC**

BULK TRUCK DRIVER

HANDLING 150 SKs @ 1.10 165.00

MILEAGE 4¢ per SK/mile 120.00

TOTAL 1,642.50

REMARKS: **CONFIDENTIAL**

**RECEIVED**  
**JAN 13 2003**  
**KCC WICHITA SERVICE**

Cement Did Circ ✓

[Signature]

DEPTH OF JOB

PUMP TRUCK CHARGE 520.00

EXTRA FOOTAGE @

MILEAGE 20 miles @ 3.00 60.00

PLUG 8 5/8 Surface @ 45.00

TOTAL 625.00

CHARGE TO: Ritchie Exploration, Inc

STREET

CITY STATE ZIP

FLOAT EQUIPMENT

none

TOTAL

TAX

TOTAL CHARGE

DISCOUNT IF PAID IN 30 DAYS

SIGNATURE Louis McKeena

Louis McKeena  
PRINTED NAME

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.



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KCC  
JAN 07 2003  
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JAN 13 2003  
KCC WICHITA

**#1 Hemmert**  
2310' FNL & 2230' FEL  
Section 27-12S-34W  
Logan County, Kansas  
API# 15-109-20695  
Murfin Drilling Rig #8  
Elevation: 3135' GL: 3140' KB

Sample Tops		Ref.	Ref.	Electric Log Tops			
		Well A	Well B				
massive Anhydrite	2598'	+542	-3	massive Anhydrite	2594'	+546	+1 -12
base Anhydrite	2621'	+519	-1	base Anhydrite	2617'	+523	+2 -13
Heebner	4002'	-862	+5	Heebner	3998'	-858	+9 -1
Toronto	4026'	-886	+5	Toronto	4018'	-878	+13 +3
Lansing	4044'	-904	+5	Lansing	4039'	-899	+10 +1
Lansing "I"	4249'	-1109	+3	Lansing "I"	4243'	-1103	+9 +1
Stark Shale	4291'	-1151	-1	Stark Shale	4288'	-1148	+2 -1
Lansing "K"	4303'	-1163	+1	Lansing "K"	4297'	-1157	+7 +3
Pawnee	4484'	-1344	-1	Pawnee	4478'	-1338	+5 +12
Ft. Scott	4540'	-1400	+3	Ft. Scott	4537'	-1397	+6 +12
Cherokee	4568'	-1428	+4	Cherokee	4564'	-1424	+8 +14
Mississippian	4720'	-1580	+29	Mississippian	4715'	-1575	+34 +13
RTD	4750'			LTD	4751'		