

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

10/2/09  
Form ACB-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 4767  
Name: Ritchie Exploration, Inc.  
Address: P.O. Box 783188  
City/State/Zip: Wichita, KS 67278-3188  
Purchaser: NCRA  
Operator Contact Person: John Niemberger  
Phone: (316) 691-9500  
Contractor: Name: Murfin Drilling, Inc.  
License: 30606  
Wellsite Geologist: Bob Stolze

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Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  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. \_\_\_\_\_

6/11/07	6/19/07	6/20/07
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 179-21176-00-00  
County: Sheddan  
160'S 130W E/2 NW Sec. 15 Twp. 10S S. R. 26  East  West  
1480 feet from S N (circle one) Line of Section  
1850 feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Werth 15B Well #: 1

Field Name: \_\_\_\_\_  
Producing Formation: LKC  
Elevation: Ground: 2591 Kelly Bushing: 2596  
Total Depth: 4110 Plug Back Total Depth: 4076  
Amount of Surface Pipe Set and Cemented at 221 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 2216 Feet  
If Alternate II completion, cement circulated from 2216  
feet depth to surface w/ 350 sx cm.

Drilling Fluid Management Plan AH II NJ3-23-09  
(Data must be collected from the Reserve Pit)  
Chloride content 26000 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: [Signature]  
Title: Production Manager Date: 10/2/07  
Subscribed and sworn to before me this 2nd day of October,  
20 07.  
Notary Public: [Signature]  
Date Commission Expires: 5-4-11

**KCC Office Use ONLY**

Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

RECEIVED  
KANSAS CORPORATION COMMISSION

**DEBRA K. PHILLIPS**  
Notary Public - State of Kansas  
My Appt. Expires 5-4-11

OCT 03 2007

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Ritchie Exploration, Inc. Lease Name: Werth 15B Well #: 1  
 Sec. 15 Twp. 10S S. R. 26  East  West County: Sheridan

**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 <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run:  Dual Induction Log Compensated Density/Neutron Log	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  Name Top Datum  <p style="text-align: center; font-weight: bold;">SEE ATTACHED</p> <p style="text-align: center; font-size: 1.2em; opacity: 0.5;">CONFIDENTIAL OCT 02 2007 KCC</p>
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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	221	common	165	3%cc, 2% gel
Production	7-7/8	4-1/2	10.5	4108	60/40 pozmix	140	10% salt, 2% gel, 3/4% CD-31

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
4	3894'-3898', 3905'-3908', 3916'-3920', 3941'-3946' (LKC "C", "D", "F") 6/07		
4	4025'-4029', 4041'-4044' (LKC "I", "J") 6/07	1600 gals 15% NE	
4	4057' - 4064' (LKC "K") 6/07		

TUBING RECORD		Size <b>2-3/8</b>	Set At <b>4076'</b>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <b>7/17/07</b>			Producing Method <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. <b>11.68</b>	Gas Mcf	Water Bbls. <b>4.32</b>	Gas-Oil Ratio	Gravity <b>37.2</b>

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 \_\_\_\_\_

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CONSERVATION DIVISION  
WICHITA, KS



**#1 Werth 15B**

1480' FNL & 1850' FWL

160' S & 130' W of E/2 NW

Section 15-10S-26W

Sheridan County, Kansas

API# 15-179-21176-0000

Elevation: 2591' GL: 2596' KB

<u>Sample Tops</u>			<u>Ref.</u>	<u>Well</u>
Anhydrite	2231'	+365	-14	
B/Anhydrite	2266'	+330	-10	
Topeka	3593'	-997	+12	
Heebner	3809'	-1213	+12	
Lansing	3852'	-1256	+8	
Lansing "D" zone	3888'	-1292	+12	
Lansing "E" zone	3924'	-1328	+7	
Lansing "H" zone	3986'	-1390	+11	
Lansing "J" zone	4032'	-1436	+8	
Stark Shale	4042'	-1446	+7	
Lansing "K" zone	4049'	-1453	+8	
Base KC	4081'	-1485	+8	

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REGISTERED  
KANSAS GEOLOGICAL COMMISSION

OCT 03 2007

CONSERVATION DIVISION  
WICHITA, KS

# ALLIED CEMENTING CO., INC.

33072

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

SERVICE POINT:  
Russell

DATE <u>6-11-07</u>	SEC. <u>15</u>	TWP. <u>10s</u>	RANGE <u>26w</u>	CALLED OUT	ON LOCATION	JOB START <u>7:30am</u>	JOB FINISH <u>8:00pm</u>
LEASE <u>werth</u>	WELL # <u>1</u>	LOCATION <u>Quarter 8 NE 2 E NW 4 into</u>			COUNTY <u>Sheridan</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Marlin #8 OWNER \_\_\_\_\_

TYPE OF JOB Surface

HOLE SIZE \_\_\_\_\_ T.D. 221

CASING SIZE 9 5/8 23# DEPTH 221

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

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

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

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

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

CEMENT LEFT IN CSG. 15'

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

DISPLACEMENT 138L

EQUIPMENT \_\_\_\_\_

PUMP TRUCK CEMENTER Craig

# 409 HELPER Adrian

BULK TRUCK \_\_\_\_\_

# 410 DRIVER John

BULK TRUCK \_\_\_\_\_

# \_\_\_\_\_ DRIVER \_\_\_\_\_

CEMENT

AMOUNT ORDERED 165 com 30%cc 26blt

COMMON	<u>165</u>	@	<u>1140</u>	<u>183150</u>
POZMIX		@		
GEL	<u>2</u>	@	<u>1665</u>	<u>4995</u>
CHLORIDE	<u>5</u>	@	<u>4660</u>	<u>23300</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>173</u>	@	<u>190</u>	<u>32870</u>
MILEAGE	<u>9 1/4/mile</u>			<u>65394</u>
TOTAL				<u>309701</u>

REMARKS:

Cement Circulated!

Thanks!

CHARGE TO: Ritchie Exploration

STREET \_\_\_\_\_

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

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>8150</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>42</u>	@	<u>600</u>
MANIFOLD		@	
		@	
TOTAL			<u>106700</u>

PLUG & FLOAT EQUIPMENT

<u>1 8 5/8 Wear Surface Plug</u>			<u>6500</u>
	@		
	@		
	@		
	@		
TOTAL			<u>6500</u>

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.

SIGNATURE Larry Pickner

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

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

LARRY PICKNER  
PRINTED NAME

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OCT 03 2007

# ALLIED CEMENTING CO., INC. 25947

F

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

SERVICE POINT:  
Oakley

DATE <u>10-19-07</u>	SEC <u>15</u>	TWP. <u>10s</u>	RANGE <u>26W</u>	CALLED OUT	ON LOCATION <u>11:30am</u>	JOB START <u>7:30am</u>	JOB FINISH <u>8:00am</u>
LEASE <u>Worth 150</u>	WELL # <u>1</u>	LOCATION <u>Quinter 7N 2E 1N W 10</u>	COUNTY <u>Shenandoah</u>	STATE <u>Ks</u>			
OLD OR NEW (Circle one)							

CONTRACTOR Murfin Drilling Rig &  
 TYPE OF JOB Production  
 HOLE SIZE 7 7/8" T.D. 4110'  
 CASING SIZE 4 1/2" DEPTH 4103'  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL Port collar DEPTH 2217'  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT 21.24'  
 CEMENT LEFT IN CSG. 21.24'  
 PERFS.  
 DISPLACEMENT 65 OBL  
 EQUIPMENT  
 PUMP TRUCK CEMENTER Andrew  
 # 423-281 HELPER Alan  
 BULK TRUCK  
 # 218 DRIVER Rex  
 BULK TRUCK  
 # DRIVER

OWNER same  
 CEMENT  
 AMOUNT ORDERED 165 sks w/ 40 28 gal  
10% salt 34 of 1% CD 31  
500 gal WFR 2  
 COMMON 99 sks @ 12.60 1247.40  
 POZMIX 66 sks @ 6.40 422.40  
 GEL 3 sks @ 16.65 49.95  
 CHLORIDE @  
 ASC @  
14 sks salt @ 19.20 268.80  
CD 31 123# @ 7.50 922.50  
WFR 2 500 gal @ 1.00 500.00  
 HANDLING 184 sks @ 1.90 349.60  
 MILEAGE 98 sk/mile 794.88  
 TOTAL 4555.53

REMARKS:

Pump 500 gal WFR 2 plug rat  
hole 15 sks mouse hole 10 sks  
Mix 145 sks down casing wash  
Pump line clean Displace  
550# lift plug landed 1000#  
float held.  
Thank you

SERVICE

DEPTH OF JOB 4103'  
 PUMP TRUCK CHARGE 1675.00  
 EXTRA FOOTAGE @  
 MILEAGE 48 miles @ 6.00 288.00  
 MANIFOLD head rental @ 100.00  
Rotating head rental @ 100.00

TOTAL 2163.00

CHARGE TO: Ritchie Exploration  
 STREET  
 CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

4 1/2"  
1 Guide shoe @ 150.00  
1 AFU Insert @ 225.00  
2 Baskets @ 150.00 300.00  
8 Turbo Centralizer @ 20.00 480.00  
(Blue) Port collar @ 1600.00  
1 Rubber plug 55.00  
 TOTAL 2750.00

TAX  
 TOTAL CHARGE  
 DISCOUNT IF PAID IN 30 DAYS

SIGNATURE 

PRINTED NAME

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# ALLIED CEMENTING CO., INC.

25256

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

SERVICE POINT:

*Oakley*

DATE <i>6/27/07</i>	SEC. <i>15</i>	TWP. <i>10S</i>	RANGE <i>2E W</i>	CALLED OUT	ON LOCATION <i>2:00 PM</i>	JOB START <i>2:30 PM</i>	JOB FINISH <i>3:45</i>
LEASE <i>Worth</i>	WELL # <i>15B #1</i>		LOCATION <i>Quinter 8N 2E 1W 3W S15</i>		COUNTY <i>5th dist</i>	STATE <i>KS</i>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR *Express Well Service*  
 TYPE OF JOB *Port Collar*  
 HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_  
 CASING SIZE *4 1/2 10.5#* DEPTH *4076*  
 TUBING SIZE *2 3/4* DEPTH *2216*  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL *Port Collar* DEPTH *2216*  
 PRES. MAX *1200* MINIMUM *500*  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_

OWNER *Same*  
 CEMENT AMOUNT ORDERED  
*450 sks 60' 40' 16 + 1/4" Flo Seal*  
*Used 350 sks 60' 40' 16 + 1/4" Flo Seal*

DISPLACEMENT *8.5 HBL*  
 EQUIPMENT \_\_\_\_\_  
 PUMP TRUCK CEMENTER *Max*  
 # *102* HELPER *Walt*  
 BULK TRUCK  
 # *394-287* DRIVER *Abel*  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON	<i>210</i>	<i>SKS @</i>	<i>17.60</i>	<i>2,646.00</i>
POZMIX	<i>140</i>	<i>SKS @</i>	<i>6.40</i>	<i>896.00</i>
GEL	<i>18</i>	<i>SKS @</i>	<i>16.65</i>	<i>299.70</i>
CHLORIDE		<i>@</i>		
ASC		<i>@</i>		
<i>Flo-Seal</i>	<i>88</i>	<i># @</i>	<i>2.00</i>	<i>176.00</i>
		<i>@</i>		
		<i>@</i>		
		<i>@</i>		
		<i>@</i>		
		<i>@</i>		
HANDLING	<i>477</i>	<i>SKS @</i>	<i>1.90</i>	<i>906.30</i>
MILEAGE	<i>96</i>	<i>per SK/mile</i>		<i>2,060.00</i>
TOTAL				<i>6,184.64</i>

REMARKS:

*Test Csg to 1200 PSI open Tool Take  
 Rate of 3 HBL/min @ 300 PSI Mix 350 sks  
 60' 40' 16 + 1/4" Flo Seal Displacer 9 HBL  
 Close Tool Test Csg to 1200 PSI Run SJTS  
 Reverse Hole Clean Cement Circulated  
 Pumped cmt @ 3 HBL/min 700 PSI  
 Witnessed by: *Walt D. Field Rep**

SERVICE

DEPTH OF JOB \_\_\_\_\_  
 PUMP TRUCK CHARGE *955.00*  
 EXTRA FOOTAGE @ \_\_\_\_\_  
 MILEAGE *48* mile @ *6.00* *288.00*  
 MANIFOLD @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_

TOTAL *1,243.00*

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

PLUG & FLOAT EQUIPMENT

\_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

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

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.

SIGNATURE *James A. Ash*

PRINTED NAME \_\_\_\_\_

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CONCENTRATION CHARGE