

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

12/22/08

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 Niernberger  
Phone: (316) 691-9500  
Contractor: Name: American Eagle Drilling, LLC  
License: 33493

Wellsite Geologist: Tom Pronold  
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. \_\_\_\_\_

8/30/06	9/9/06	9/13/06
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 179-21155-0000  
County: Sheridan  
approx. N/2 S/2 S/2 Sec. 14 Twp. 10S S. R. 26  East  West  
1100 feet from S / N (circle one) Line of Section  
2640 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 14CD Well #: 1  
Field Name: \_\_\_\_\_  
Producing Formation: Lansing/Kansas City  
Elevation: Ground: 2574 Kelly Bushing: 2579  
Total Depth: 4135 Plug Back Total Depth: 4095  
Amount of Surface Pipe Set and Cemented at 223 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 2194 Feet  
If Alternate II completion, cement circulated from 2194  
feet depth to surface w/ 310 sx cmt.

Drilling Fluid Management Plan AIT II NH 8-21-08  
(Data must be collected from the Reserve Pit)  
Chloride content 18,000 ppm Fluid volume 950 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.

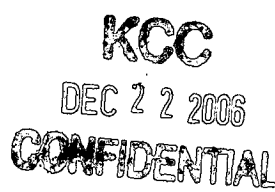
Signature: [Signature]  
Title: Production Manager Date: 12/22/2006  
Subscribed and sworn to before me this 22 day of December  
20 06  
Notary Public: [Signature]  
Date Commission Expires: 5/4/07

DEBRA K. PHILLIPS  
Notary Public - State of Kansas  
My Appt. Expires 5/4/07

**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received **RECEIVED**  
 UIC Distribution **KANSAS CORPORATION COMMISSION**  
**DEC 26 2006**

Operator Name: Ritchie Exploration, Inc. Lease Name: Werth 14CD Well #: 1  
 Sec. 14 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:  Radiation Guard Log Cased-hole Correlation Log	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum  SEE ATTACHED <div style="text-align: center;">  </div>
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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	14-3/4	8-5/8	24	223	Common	235	3% CC, 2% gel
Production	7-7/8	4-1/2	10.5	4127	60/40 pozmix	135	2% gel, 10% salt, 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	4021.5' - 4027.5' (LKC-J) (9/18/06)	750 gallons 15% NE	

TUBING RECORD		Size <u>2-3/8</u>	Set At <u>4082'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <u>9/23/06</u>			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. <u>26.72</u>	Gas Mcf	Water Bbls. <u>8.35</u>	Gas-Oil Ratio	Gravity <u>30</u>

Disposition of Gas  Vented  Sold  Used on Lease *(If vented, Submit ACO-18.)*      METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

**RECEIVED**  
**KANSAS CORPORATION COMMISSION**  
**DEC 26 2006**  
 CONSERVATION DIVISION  
 WICHITA, KS



**KCC**  
DEC 22 2006  
**CONFIDENTIAL**

**#1 Werth 14CD**  
1100' FSL & 2640' FWL  
110' N of N/2 S/2 S/2  
Section 14-10S-26W  
Sheridan County, Kansas  
API# 15-179-21155-0000  
Elevation: 2574' GL: 2579' KB

<u>Sample Tops</u>			<u>Ref. Well</u>
Anhydrite	2212'	+367	+3
B/Anhydrite	2253'	+326	+2
Heebner	3803'	-1224	+7
Lansing	3845'	-1266	+7
Lansing "D"	3884'	-1305	+4
Lansing "H"	3979'	-1400	+5
Lansing "J"	4024'	-1445	+5
Lansing "K"	4041'	-1462	+5
BKC	4075'	-1496	+2
RTD	4135'	-1556	

P.O. Box 783188  
Wichita, Kansas 67278-3188

(316) 691-9500  
Fax (316) 691-9550  
[rei@ritchie-exp.com](mailto:rei@ritchie-exp.com)

**RECEIVED**  
KANSAS CORPORATION COMMISSION  
**DEC 26 2006**  
CONSERVATION DIVISION  
8100 E. 22<sup>nd</sup> St. N., Bldg. 700  
Wichita, Kansas 67226-2328

# ALLIED CEMENTING CO., INC. 24869

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

SERVICE POINT:  
OAKLEY

DATE <u>9-14-06</u>	SEC. <u>14</u>	TWP. <u>X05</u>	RANGE <u>26W</u>	CALLED OUT	ON LOCATION <u>9:45 AM</u>	JOB START <u>10:00 AM</u>	JOB FINISH <u>11:00 AM</u>
LEASE <u>WERTH</u>	WELL # <u>1</u>	LOCATION <u>QUENTER 4E-8N-2W-N IN</u>			COUNTY <u>Sheridan</u>	STATE <u>Ks</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR EXPRESS WELL SERVICE OWNER SAME

TYPE OF JOB PORT COLLAR

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

CASING SIZE 4 1/2" DEPTH \_\_\_\_\_ AMOUNT ORDERED \_\_\_\_\_

TUBING SIZE 2" DEPTH 2193 550 SKS 60/40 POZ 6866L 1/4" FLO-SEAL

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_ USED 310 SKS 60/40 POZ 6866L 1/4" FLO-SEAL

TOOL PORT COLLAR DEPTH 2193'

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_ COMMON 186 SKS @ 12.20 2269.20

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_ POZMIX 124 SKS @ 6.10 756.40

CEMENT LEFT IN CSG. \_\_\_\_\_ GEL 16 SKS @ 16.65 266.40

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

DISPLACEMENT \_\_\_\_\_ ASC \_\_\_\_\_

**EQUIPMENT**

PUMP TRUCK CEMENTER TERRY FLO-SEAL 78# @ 2.00 156.00

# 191 HELPER WAYNE

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

# 377 DRIVER REX

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

# 399 DRIVER LONNIE

HANDLING 578 SKS @ 1.90 1098.30

MILEAGE 94 PER SK / mile 2340.98

TOTAL 6887.98

**REMARKS:**

PRESSURE SYSTEM TO 1200 PSI.  
HELD, OPEN PORT COLLAR MIX  
310 SKS 60/40 POZ 6866L 1/4" FLO-SEAL  
DISPLACE 760L WATER, CLOSE PORT  
CELLAR, PRESSURE SYSTEM TO 1200 PSI.  
HELD, RUN 4 STS REVERSE OUT.

**SERVICE**

DEPTH OF JOB 2193'

PUMP TRUCK CHARGE 955.00

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

MILEAGE 45 MI @ 6.00 270.00

MANIFOLD \_\_\_\_\_

TOTAL 1225.00

THANK YOU

CHARGE TO: RITCHIE EXPLORATION

STREET \_\_\_\_\_

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

**PLUG & FLOAT EQUIPMENT**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

TOTAL \_\_\_\_\_

TAX \_\_\_\_\_

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

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

SIGNATURE Thomas A. A. A.

PRINTED NAME Ju

KCC  
DEC 2 2 2006  
CONFIDENTIAL

RECEIVED  
KANSAS CORPORATION COMMISSION  
DEC 2 6 2006  
CONSERVATION DIVISION  
WICHITA, KS

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.

# ALLIED CEMENTING CO., INC. 24635

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

SERVICE POINT:

Oakley, KS

DATE <u>9-9-06</u>	SEC <u>14</u>	TWP <u>10</u>	RANGE <u>26</u>	CALLED OUT	ON LOCATION <u>2:00pm</u>	JOB START <u>7:30pm</u>	JOB FINISH <u>9:00pm</u>
LEASE <u>Worth</u>	WELL # <u>#14CD</u>	LOCATION <u>Quadrant 4E-8N</u>	COUNTY <u>Sheridan</u>	STATE <u>KS</u>			
OLD OR NEW (Circle one) <u>NEW</u>							

CONTRACTOR American Gable #3 OWNER SAMP

TYPE OF JOB Production string

HOLE SIZE 7 7/8 T.D. 4135'

CASING SIZE 4 1/2 10.5 DEPTH

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

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

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

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

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

CEMENT LEFT IN CSG. \_\_\_\_\_

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

DISPLACEMENT \_\_\_\_\_

**EQUIPMENT**

PUMP TRUCK CEMENTER Fuzzy

# 102 HELPER Jarrod

BULK TRUCK

# 218 DRIVER Rex

BULK TRUCK

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

**REMARKS:**

Mix 500gal WFR II plus  
RN with 1500 pump  
13500 cement washhead pump  
+lines. Displace plus to  
insert. High press 800#  
hand press 100# Insert held  
plug down @ 9:00pm  
Thanks Fuzzy Jarrod

**CEMENT**

AMOUNT ORDERED 150 sacks 60/40 per  
2% cel, 10% salt, 3/4" S 190  
CD-31 500gal WFR II

COMMON	<u>90</u>	@ <u>12.00</u>	<u>1098.00</u>
POZMIX	<u>60</u>	@ <u>6.10</u>	<u>366.00</u>
GEL	<u>2</u>	@ <u>16.65</u>	<u>33.30</u>
CHLORIDE		@	
ASC	<u>8</u>	@ <u>20</u>	
SALT	<u>8</u>	@ <u>19 (cut)</u>	<u>153.00</u>
		@	
CD 31	<u>97</u>	@ <u>7.30</u>	<u>727.00</u>
		@	
WFR II	<u>500gal</u>	@ <u>1.00</u>	<u>500.00</u>
		@	
		@	
HANDLING	<u>169</u>	@ <u>1.90</u>	<u>321.10</u>
MILEAGE	<u>0.95 mi</u>		<u>684.45</u>
TOTAL			<u>3883.95</u>

**SERVICE**

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>1675.00</u>
EXTRA FOOTAGE	@	
MILEAGE	<u>45</u>	@ <u>6.00</u> <u>270.00</u>
MANIFOLD + Head	@	<u>100.00</u>
Rotator	@	<u>100.00</u>
	@	

TOTAL 2145.00

CHARGE TO: Ritchie Exploration Inc

STREET \_\_\_\_\_

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

**PLUG & FLOAT EQUIPMENT**

4 1/2

1- Port Collar (B)		<u>1600.00</u>
1- AEU Insert	@	<u>215.00</u>
1- C.W. Guide shoe	@	<u>125.00</u>
2- Baskets	@	<u>130.00</u> <u>260.00</u>
6- Turbolizers	@	<u>55.00</u> <u>330.00</u>
1- 4 1/2 plug	@	<u>45.00</u>
TOTAL		<u>2575.00</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.

TAX \_\_\_\_\_

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

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

SIGNATURE \_\_\_\_\_

PRINTED NAME JW

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KANSAS CORPORATION COMMISSION  
DEC 26 2006  
CONSERVATION DIVISION  
WICHITA, KS

# ALLIED CEMENTING CO., INC.

28056

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

SERVICE POINT:

Russell  
8-31-06

DATE <u>8-30-06</u>	SEC <u>14</u>	TWP. <u>10</u>	RANGE <u>26</u>	CALLED OUT <u>5:00pm</u>	ON LOCATION <u>6:30pm</u>	JOB START <u>4:15 pm</u>	JOB FINISH <u>4:45 pm</u>
LEASE <u>WERTH</u>	WELL # <u>#1 (14CD)</u>	LOCATION <u>QUINTERS I-70 EXIT</u>	COUNTY <u>SHERIDAN</u>	STATE <u>KANSAS</u>			
OLD OR <u>NEW</u> (Circle one)				<u>8 N 2 1/2 E 1/4 N INTO</u>			

CONTRACTOR AMERICAN EAGLE Reg #3 OWNER \_\_\_\_\_

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4 - 14 3/4 T.D. 223'

CASING SIZE 8 5/8 DEPTH 223'

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

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

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

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

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

CEMENT LEFT IN CSG. 15'

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

DISPLACEMENT 13 1/4 / 88L

EQUIPMENT

PUMP TRUCK CEMENTER Glenn

# 398 HELPER Gary

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

# 410 DRIVER Doug

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

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

REMARKS:

Cement  
CIRCULATED  
THANK'S

CEMENT AMOUNT ORDERED 235 SK

160 SK Gam

3% C.C.

2 1/2 GEL

COMMON	<u>235</u>	@	<u>12.20</u>	<u>2867.00</u>
POZMIX		@		
GEL	<u>4</u>	@	<u>16.65</u>	<u>66.60</u>
CHLORIDE	<u>7</u>	@	<u>46.60</u>	<u>326.20</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>246</u>	@	<u>1.90</u>	<u>467.40</u>
MILEAGE	<u>46</u>	@	<u>23.65</u>	<u>1088.90</u>
	<u>46</u>			
TOTAL				<u>4745.64</u>

SERVICE

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_ 315.00

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

MILEAGE 46 @ 6.00 276.00

MANIFOLD @ \_\_\_\_\_

TOTAL 1091.00

PLUG & FLOAT EQUIPMENT

8 5/8 Wooden Wiper Plug 60.00

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]

[Signature]  
PRINTED NAME

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DEC 26 2006  
CONSERVATION DIVISION  
WICHITA, KS



12/22/08

December 22, 2006

**KCC**  
**DEC 22 2006**  
**CONFIDENTIAL**

State Corporation Commission  
Conservation Division  
130 S. Market, Room 2078  
Wichita, KS 67202

RE: #1 Werth 14CD  
Sec. 14-10S-26W  
Sheridan County, Kansas

To Whom It May Concern:

Enclosed please find an ACO-1 for the above referenced well. The required attachments have also been enclosed. Ritchie Exploration, Inc. would like for this to be held confidential for the maximum allowable time.

If you have any questions, please feel free to call the undersigned or John Niernberger at 316-691-9500. Thank you for all of your help in this matter.

Sincerely,

Debbie Phillips  
Accounting Supervisor

dkp

Enclosures

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**KANSAS CORPORATION COMMISSION**

**DEC 26 2006**

**CONSERVATION DIVISION**  
**WICHITA, KS**