

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL  
Form ACO-1  
October 2008  
Form Must Be Typed  
9/16/10

WELL COMPLETION FORM  
WELL HISTORY & DESCRIPTION OF WELL & LEASE

OPERATOR: License # 8914  
Name: H & C Oil Operating, Inc.  
Address 1: P.O. Box 86  
Address 2: \_\_\_\_\_  
City: Plainville State: KS Zip: 67601 + 0 0 8 6  
Contact Person: Charles R. Ramsay  
Phone: (785) 434-7434  
CONTRACTOR: License # \_\_\_\_\_  
Name: American Eagle Drilling, LLC  
Wellsite Geologist: Clayton Erickson  
Purchaser: Coffeyville Resources  
Designate Type of Completion:  
 New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover \_\_\_\_\_  
 Oil \_\_\_\_\_ SWD \_\_\_\_\_ SLOW \_\_\_\_\_  
\_\_\_\_\_ Gas \_\_\_\_\_ ENHR \_\_\_\_\_ SIGW \_\_\_\_\_  
\_\_\_\_\_ CM (Coal Bed Methane) \_\_\_\_\_ Temp. Abd. \_\_\_\_\_  
\_\_\_\_\_ Dry \_\_\_\_\_ Other \_\_\_\_\_  
(Core, WSW, Expl., Cathodic, etc.)

SEP 10 2009

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SEP 15 2009

KCC WICHITA

API No. 15 - 065-23562-00-00  
Spot Description: NW/4  
SE - NWNW Sec. 4 Twp. 7 S. R. 23  East  West  
990 Feet from  North /  South Line of Section  
990 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Graham  
Lease Name: Worcester Well #: 4-1  
Field Name: Wildcat  
Producing Formation: Lansing Kansas City  
Elevation: Ground: 2467 Kelly Bushing: 2472  
Total Depth: 3984 Plug Back Total Depth: 3946  
Amount of Surface Pipe Set and Cemented at: 302 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 2143 Feet  
If Alternate II completion, cement circulated from: 2143  
feet depth to: surface w/ 375 sx cmt.

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
\_\_\_\_\_ Deepening \_\_\_\_\_ Re-perf. \_\_\_\_\_ Conv. to Enhr. \_\_\_\_\_ Conv. to SWD \_\_\_\_\_  
\_\_\_\_\_ Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No.: \_\_\_\_\_  
\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No.: \_\_\_\_\_  
\_\_\_\_\_ Other (SWD or Enhr.?) \_\_\_\_\_ Docket No.: \_\_\_\_\_  
8/3/09 8/11/09 9/2/09  
Spud Date or \_\_\_\_\_ Date Reached TD \_\_\_\_\_ Completion Date or \_\_\_\_\_  
Recompletion Date \_\_\_\_\_ Recompletion Date \_\_\_\_\_

Drilling Fluid Management Plan Alt II US 10-19-09  
(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.: \_\_\_\_\_  
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: Charles R. Ramsay  
Title: President Date: 9/11/09  
Subscribed and sworn to before me this 11<sup>th</sup> day of Sept.  
20 09  
Notary Public: Irene Zellhoelter  
Date Commission Expires: 4/4/11

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

NOTARY PUBLIC - State of Kansas  
**IRENE FELLHOELTER**  
My Appt. Expires: 4/4/11

Operator Name: H & C Oil Operating, Inc. Lease Name: Worcester Well #: 4-1  
 Sec. 4 Twp. 7 S. R. 23  East  West County: Graham

**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, Microresistivity, Dual compensated porosity, Borehole compensated sonic, Cement bond	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>2157</td> <td>+315</td> </tr> <tr> <td>Anhydrite Base</td> <td>2188</td> <td>+284</td> </tr> <tr> <td>Topeka</td> <td>3492</td> <td>-1020</td> </tr> <tr> <td>Heebner</td> <td>3692</td> <td>-1220</td> </tr> <tr> <td>Toronto</td> <td>3716</td> <td>-1244</td> </tr> <tr> <td>Lansing</td> <td>3732</td> <td>-1260</td> </tr> <tr> <td>Base LKC</td> <td>3931</td> <td>-1459</td> </tr> </table>	Name	Top	Datum	Anhydrite	2157	+315	Anhydrite Base	2188	+284	Topeka	3492	-1020	Heebner	3692	-1220	Toronto	3716	-1244	Lansing	3732	-1260	Base LKC	3931	-1459
Name	Top	Datum																							
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Base LKC	3931	-1459																							

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"	23#	302'	60/40 Posmix	170	3% c.c, 2% gel
Production	7 7/8"	5 1/2"	14#	3976'	common	160	10% salt, 2%gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	2143'-surface	60/40 posmix	375	Lite w/ 1/4# floseal per sack

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
4 SPF	3887-3892	RECEIVED  SEP 15 2009  KCC WICHITA	3892

TUBING RECORD:	Size: <u>2 3/8"</u>	Set At: <u>3942'</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>9-4-09</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>90</u>	Gas Mcf	Water Bbls. <u>0</u>	Gas-Oil Ratio <u> </u> Gravity <u>38</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3887-3892</u>
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# ALLIED CEMENTING CO., LLC. 038468

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

SERVICE POINT: Russell

DATE <u>8-11-09</u>	SEC. <u>41</u>	TWP. <u>7</u>	RANGE <u>22E</u>	CALLED OUT	ON LOCATION	JOB START <u>12:15a.m.</u>	JOB FINISH <u>1:00a.m.</u>
LEASE <u>Worchester</u>		WELL # <u>411</u>	LOCATION <u>Hillcreek 10" P 2'kw Sinto</u>			COUNTY <u>Graham</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>NEW</u>							

CONTRACTOR American Eagle

TYPE OF JOB Tap Stage

HOLE SIZE 7 7/8 T.D. 33925

CASING SIZE 5 7/8 DEPTH 3970

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DW Tool #44 DEPTH 2150

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 2120

CEMENT LEFT IN CSG. 2629

PERFS.

DISPLACEMENT 52416.3L

OWNER \_\_\_\_\_

CEMENT AMOUNT ORDERED 375 SK 470

COMMON @ \_\_\_\_\_

POZMIX @ \_\_\_\_\_

GEL @ \_\_\_\_\_

CHLORIDE @ \_\_\_\_\_

ASC @ \_\_\_\_\_

**KCC**

SEP 10 2009

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HANDLING @ \_\_\_\_\_

MILEAGE @ \_\_\_\_\_

TOTAL \_\_\_\_\_

EQUIPMENT

PUMP TRUCK CEMENTER Craig

# 417 HELPER Matt

BULK TRUCK DRIVER Randy

# 461

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

REMARKS:

Parhole 3092

Cement Circulated

THANKS

CHARGE TO: HCC

STREET \_\_\_\_\_

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

SERVICE

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

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

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

MILEAGE @ \_\_\_\_\_

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

TOTAL \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

TOTAL \_\_\_\_\_

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) 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 and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

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

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

SIGNATURE CHL

RECEIVED  
SEP 15 2009  
KCC WICHITA

# ALLIED CEMENTING CO., LLC. 038467

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

SERVICE POINT:  
Russell

DATE <u>8-16-09</u>	SEC <u>4</u>	TWP. <u>7</u>	RANGE <u>23</u>	CALLED OUT	ON LOCATION	JOB START <u>10:50pm</u>	JOB FINISH <u>11:00pm</u>
WONESTER LEASE	WELL # <u>4-1</u>	LOCATION <u>Hill City to "F" P 2kw S into Graham</u>			COUNTY <u>KS</u>	STATE	
OLD OR NEW (Circle one)							

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CONTRACTOR American Eagle  
 TYPE OF JOB Drill Sub Bottom Seal  
 HOLE SIZE 7 1/8 T.D. 3985  
 CASING SIZE 5 1/2 DEPTH 3976  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DV Tool Joint DEPTH 2150  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT 21.24  
 CEMENT LEFT IN CSG. 21.24  
 PERFS.  
 DISPLACEMENT 96 1/2 Bbl

OWNER  
 CEMENT  
 AMOUNT ORDERED 160 Com 10% Salt  
375 Cite 200 GEL  
 COMMON 160 @ 13.50 2160.00  
 POZMIX @  
 GEL @  
 CHLORIDE @  
 ASC @  
Cite 375 @ 11.50 4312.50  
5 1/8 7 @ 21.25 148.75  
 HANDLING 2.25 @ 2.25 600.75  
 MILEAGE 10/16/16 @ 1201.50  
 TOTAL 18,554.75

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EQUIPMENT  
 PUMP TRUCK CEMENTER Craig  
 # 417 HELPER Matt  
 BULK TRUCK  
 # 410 DRIVER 6049  
 BULK TRUCK  
 # 481 DRIVER Randy

REMARKS:  
5 1/2 sec @ 3976  
Insert set @ 3954.76  
Plug landed 1900psi Released Dry  
Thanks

SERVICE  
 DEPTH OF JOB  
 PUMP TRUCK CHARGE 1952.00  
 EXTRA FOOTAGE @  
 MILEAGE 45 @ 7.00 315.00  
 MANIFOLD @  
 TOTAL 2272.00

CHARGE TO: MC  
 STREET  
 CITY STATE ZIP

PLUG & FLOAT EQUIPMENT  
1 5/8 DV Tool 2268.00  
3 Baskets @ 166.00 498.00  
8 Centralizers @ 33.00 264.00  
Guideshoe @ 100.80 100.80  
AFU Insert @ 112.00 112.00  
 TOTAL 3272.80

To Allied Cementing Co., LLC:  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) 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 and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)  
 TOTAL CHARGES  
 DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME  
 SIGNATURE [Signature]

RECEIVED  
 SEP 15 2009  
 KCC WICHITA

# ALLIED CEMENTING CO., LLC. 038462

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

SERVICE POINT

Russell

DATE <u>8-3-09</u>	SEC <u>4</u>	TWP <u>7</u>	RANGE <u>23</u>	CALLED OUT	ON LOCATION	JOB START <u>4:00 PM</u>	JOB FINISH <u>4:30 PM</u>
LEASE <u>Worcester</u>		WELL # <u>4-1</u>		LOCATION <u>Hwy 82 "P" RD</u>		COUNTY <u>Cherokee</u>	STATE <u>KS</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)				<u>2W Sinto</u>			

CONTRACTOR American Eagle  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 T.D. 302  
 CASING SIZE 8 5/8 23# DEPTH 299  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. 15  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 18 RC

OWNER \_\_\_\_\_  
 CEMENT AMOUNT ORDERED 1.70 @ 40% 3% CL  
 \_\_\_\_\_ 2066  
 COMMON 102 @ 13.50 1377.00  
 POZMIX 68 @ 7.55 513.40  
 GEL 3 @ 20.25 60.75  
 CHLORIDE 6 @ 51.50 309.00  
 ASC \_\_\_\_\_ @ \_\_\_\_\_

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EQUIPMENT  
 PUMP TRUCK # 409 CEMENTER Craig  
 HELPER Matt  
 BULK TRUCK # 410 DRIVER Glenn  
 BULK TRUCK DRIVER \_\_\_\_\_

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 HANDLING 179 @ 2.25 402.75  
 MILEAGE 1036/mile @ \_\_\_\_\_ 805.50  
 TOTAL 3468.40

REMARKS:  
Surface Job  
Cement Circulated  
Thanks?  
 CHARGE TO HCC Oil  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE  
 DEPTH OF JOB \_\_\_\_\_  
 PUMP TRUCK CHARGE 99.00  
 EXTRA FOOTAGE @ \_\_\_\_\_  
 MILEAGE 45 @ 7.00 315  
 MANIFOLD @ \_\_\_\_\_  
 TOTAL 1506

To Allied Cementing Co., LLC  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) 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 and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Todd E. Mersch  
 SIGNATURE Todd E. Mersch

PLUG & FLOAT EQUIPMENT  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_  
 SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS