

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

Form ACO-1  
October 2008  
Form Must Be Typed

4/22/11

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # 8914  
Name: H & C Oil Operating, Inc. **KCC**  
Address 1: P.O. Box 86  
Address 2: \_\_\_\_\_  
City: Plainville State: KS Zip: 67663  
Contact Person: Charles R. Ramsay  
Phone: (785) 434-7434  
CONTRACTOR: License # 33493  
Name: American Eagle Drilling, LLC  
Wellsite Geologist: Marc Downing  
Purchaser: \_\_\_\_\_

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Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  
 Gas  ENHR  SIGW  
 CM (Coal Bed Methane)  Temp. Abd.  
 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.  Conv. to SWD  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_  
 Commingled Docket No.: \_\_\_\_\_  
 Dual Completion Docket No.: \_\_\_\_\_  
 Other (SWD or Enhr.?) Docket No.: \_\_\_\_\_  
2/19/10 2/26/10 2/27/10  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 065-23613-00-00  
Spot Description: \_\_\_\_\_  
N/2 \_S/2 \_NW \_SW Sec. 4 Twp. 6 S. R. 25  East  West  
1750 Feet from  North /  South Line of Section  
660 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Graham  
Lease Name: Lowry Well #: 4-1  
Field Name: Wildcat  
Producing Formation: \_\_\_\_\_  
Elevation: Ground: 2537 Kelly Bushing: 2542  
Total Depth: 3905 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 286 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 PANJ4-27-10  
(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: 3/30/10  
Subscribed and sworn to before me this 30<sup>th</sup> day of March,  
20 10.  
Notary Public: Irene Fellhoelter  
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: Lowry Well #: 4-1  
 Sec. 4 Twp. 6 S. R. 25  East  West County: Graham

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**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:  <b>Dual induction, Compensated porosity,                  microresistivity, borehole compensated sonic</b>	<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:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Top Anhydrite</td> <td>2141</td> <td>+401</td> </tr> <tr> <td>Base Anhydrite</td> <td>2173</td> <td>+369</td> </tr> <tr> <td>Topeka</td> <td>3398</td> <td>-856</td> </tr> <tr> <td>Heebner</td> <td>3604</td> <td>-1062</td> </tr> <tr> <td>Toronto</td> <td>3625</td> <td>-1084</td> </tr> <tr> <td>LKC</td> <td>3644</td> <td>-1102</td> </tr> <tr> <td>BKC</td> <td>3822</td> <td>-1280</td> </tr> </table>	Name	Top	Datum	Top Anhydrite	2141	+401	Base Anhydrite	2173	+369	Topeka	3398	-856	Heebner	3604	-1062	Toronto	3625	-1084	LKC	3644	-1102	BKC	3822	-1280
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CASING RECORD <input 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#	286	60/40	180	3%cc, 2% gel

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)

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TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed 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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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# ALLIED CEMENTING CO., LLC. 33838

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

SERVICE POINT:  
Russell KS

DATE <u>2-27-10</u>	SEC. <u>4</u>	TWP. <u>6</u>	RANGE <u>25</u>	CALLED OUT	ON LOCATION	JOB START <u>8:15am</u>	JOB FINISH <u>8:45am</u>
LEASE <u>Lowry</u>		WELL# <u>4-1</u>		LOCATION <u>Hill City KS North to Hwy 9 West</u>		COUNTY <u>Graham</u>	STATE <u>KS</u>
<input checked="" type="radio"/> OLD OR NEW (Circle one)				<u>to Rd W13 2 1/2 South East into.</u>			

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CONTRACTOR American Eagle Rig #3  
 TYPE OF JOB Rotary Plug  
 HOLE SIZE 7 7/8 T.D. 3905'  
 CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE 4 1/2 XH DEPTH 2140  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_

OWNER \_\_\_\_\_  
 CEMENT AMOUNT ORDERED 205 60/40 4 1/2 Gal 1/4" Flt

EQUIPMENT

PUMP TRUCK CEMENTER John Roberts  
 # 398 HELPER Glenn  
 BULK TRUCK  
 # 344/170 DRIVER Alvin  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON	<u>123</u>	@	<u>13.50</u>	<u>1660.50</u>
POZMIX	<u>82</u>	@	<u>7.50</u>	<u>619.10</u>
GEL	<u>7</u>	@	<u>20.25</u>	<u>141.75</u>
CHLORIDE		@		
ASC		@		
	<u>Flt Seal 51 #</u>	@	<u>2.45</u>	<u>124.95</u>
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>102</u>	@	<u>2.25</u>	<u>229.50</u>
MILEAGE	<u>110 sk/mile</u>			<u>459.00</u>
TOTAL				<u>3234.60</u>

REMARKS:

- 25sk @ 2140'
- 100sk @ 1360'
- 40sk @ 330'
- 10sk @ 40'
- Rathole 30sk

SERVICE

DEPTH OF JOB				
PUMP TRUCK CHARGE			<u>990.00</u>	
EXTRA FOOTAGE		@		
MILEAGE	<u>45</u>	@	<u>700</u>	
MANIFOLD		@		
		@		
		@		
TOTAL				<u>1305.00</u>

CHARGE TO: H & C Oil Operating  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

	@			
<u>Dry Hole Plug</u>	@			
	@			
	@			
	@			
TOTAL				

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WICHITA, KS

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 \_\_\_\_\_

SIGNATURE Todd E. Men

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES 3234.60  
 DISCOUNT 0 IF PAID IN 30 DAYS

# ALLIED CEMENTING CO., LLC. 036343

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

SERVICE POINT: Great Bend

DATE <u>2-19-10</u>	SEC <u>4</u>	TWP. <u>6</u>	RANGE <u>25</u>	CALLED OUT	ON LOCATION	JOB START <u>5:30</u>	JOB FINISH <u>6:00 PM</u>
LEASE <u>Lowry</u>		WELL# <u>4-1</u>		LOCATION <u>New Alamo 1W</u>		COUNTY <u>Osborne</u>	STATE <u>Ks</u>
OLD OR <u>(NEW)</u> (Circle one)				<u>2 1/2 S Einto</u>			

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CONTRACTOR American Eagle #3  
 TYPE OF JOB Surface Job  
 HOLE SIZE 12 1/4 T.D. 289  
 CASING SIZE 8 5/8 DEPTH 289.01  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. 15'  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 17,45 bbl

OWNER \_\_\_\_\_  
 CEMENT AMOUNT ORDERED 180 60% 3% CC  
2% Gel  
 COMMON 108 @ 13.50 1458.00  
 POZMIX 72 @ 7.55 543.60  
 GEL 3 @ 20.25 60.75  
 CHLORIDE 6 @ 51.50 309.00  
 ASC @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 HANDLING 90 @ 2.25 202.50  
 MILEAGE 110/sk/ndr 405.00  
 TOTAL 2978.85

**REMARKS:**

Raw Dsts 88% + Landing St.  
Est Circulation. Mixed  
180 sk + Displaced 17,45 bbl  
Cement Circulated

**SERVICE**

DEPTH OF JOB \_\_\_\_\_  
 PUMP TRUCK CHARGE \_\_\_\_\_ 991.00  
 EXTRA FOOTAGE @ \_\_\_\_\_  
 MILEAGE 45 @ 7.00 315.00  
 MANIFOLD @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 TOTAL 1306.00

CHARGE TO: H+C  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES [scribble]  
 DISCOUNT [scribble] IF PAID IN 30 DAYS

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PRINTED NAME \_\_\_\_\_  
 SIGNATURE Todd E. Mann

*Thanks!*