

ORIGINAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
October 2008  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 6509  
Name: Cla-Mar Oil Company  
Address 1: P.O. Box 1197  
Address 2: \_\_\_\_\_  
City: Hays State: KS Zip: 67601 + 1 1 9 7  
Contact Person: Jim Clark  
Phone: (785) 625-3863  
CONTRACTOR: License # 33905  
Name: Royal Drilling, Inc.  
Wellsite Geologist: Neal LaFon  
Purchaser: \_\_\_\_\_  
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.)*

API No. 15 - 051-25943-00-00  
Spot Description: \_\_\_\_\_  
NE SW NE NE Sec. 29 Twp. 12 S. R. 19  East  West  
775 Feet from  North /  South Line of Section  
925 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Ellis  
Lease Name: Furthmeyer Well #: 1  
Field Name: Crathorne  
Producing Formation: \_\_\_\_\_  
Elevation: Ground: 2154' Kelly Bushing: 2159'  
Total Depth: 3870' Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 226 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/ \_\_\_\_\_

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.: \_\_\_\_\_  
12/16/2009 12/21/2009 12/22/2009  
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

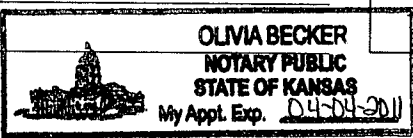
Drilling Fluid Management Plan  
*(Data must be collected from the Reserve Pit)*  
Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls  
Dewatering method used: Allow to dry and backfill  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

PA - 1/6 - 2/1/10  
sx gmt

**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: \_\_\_\_\_  
Title: Owner Date: 01/04/2010  
Subscribed and sworn to before me this 4th day of January,  
20 10.  
Notary Public: Olivia Becker  
Date Commission Expires: 04-04-2011



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

RECEIVED  
JAN 27 2010  
KCC WICHITA

Operator Name: Cla-Mar Oil Company Lease Name: Furthmeyer Well #: 1  
 Sec. 29 Twp. 12 S. R. 19  East  West County: Ellis

**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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" 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 Neutron/Density Sonic	<input checked="" type="checkbox"/> Log    Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Anhydrite</td> <td>1476</td> <td>+ 683</td> </tr> <tr> <td>Howard</td> <td>3124</td> <td>- 965</td> </tr> <tr> <td>Topeka</td> <td>3194</td> <td>-1035</td> </tr> <tr> <td>Heebner</td> <td>3430</td> <td>-1271</td> </tr> <tr> <td>Toronto</td> <td>3450</td> <td>-1291</td> </tr> <tr> <td>Kansas City</td> <td>3472</td> <td>-1313</td> </tr> <tr> <td>Arbuckle</td> <td>3805</td> <td>-1646</td> </tr> </tbody> </table>	Name	Top	Datum	Anhydrite	1476	+ 683	Howard	3124	- 965	Topeka	3194	-1035	Heebner	3430	-1271	Toronto	3450	-1291	Kansas City	3472	-1313	Arbuckle	3805	-1646
Name	Top	Datum																							
Anhydrite	1476	+ 683																							
Howard	3124	- 965																							
Topeka	3194	-1035																							
Heebner	3430	-1271																							
Toronto	3450	-1291																							
Kansas City	3472	-1313																							
Arbuckle	3805	-1646																							

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"	20#	226'	common	150	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 <i>(Amount and Kind of Material Used)</i>	Depth

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

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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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# ALLIED CEMENTING CO., LLC. 33678

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

SERVICE POINT:  
Russell KS

DATE <u>12-16-09</u>	SEC. <u>29</u>	TWP. <u>12</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>8:30am</u>	JOB FINISH <u>9:00am</u>
<u>Furthmeyer LEASE</u>	WELL# <u>1</u>	LOCATION <u>Yucca into I-70 North</u>			COUNTY <u>Ellis</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			<u>to Locust Grove Rd 1/4 West South into</u>				

CONTRACTOR Royal Drilling Rq#2

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 226

CASING SIZE 8 5/8 23" DEPTH 226

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15

PERFS.

DISPLACEMENT 13.43 Bbl

EQUIPMENT

PUMP TRUCK CEMENTER John Roberts

#417 HELPER Craig

BULK TRUCK

#378 DRIVER Matt

BULK TRUCK

# DRIVER

**REMARKS:**

Est. Circulation

Mix 150-ck Cement

Displace ~~100~~ 13.43 Bbl H<sub>2</sub>O

Cement Did Circulate!

CHARGE TO: Clamar Oil

STREET \_\_\_\_\_

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

OWNER \_\_\_\_\_

CEMENT

AMOUNT ORDERED 150com 37cc 2% Gel

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

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

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

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

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

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

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

MILEAGE \_\_\_\_\_

TOTAL \_\_\_\_\_

**SERVICE**

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

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

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

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

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

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

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TOTAL \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment

# ALLIED CEMENTING CO., LLC. 33684

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

SERVICE POINT:

Russell KS

DATE <u>12-22-09</u>	SEC. <u>29</u>	TWP. <u>12</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>4:30am</u>	JOB FINISH <u>5:15am</u>
Furthmeyer LEASE		WELL# <u>1</u>	LOCATION <u>Yocemento I-70 North to Locust</u>			COUNTY <u>Ellis</u>	STATE <u>K</u>
<input checked="" type="radio"/> OLD OR NEW (Circle one)			<u>Grave Rd 1 1/2 West South 10th</u>				

CONTRACTOR Royal Drilling  
 TYPE OF JOB Rotary Plug  
 HOLE SIZE 7 7/8 T.D. 3870  
 CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE 4 1/2 XH DEPTH 3434  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_

OWNER \_\_\_\_\_  
 CEMENT AMOUNT ORDERED 245 sk 10 1/4 4 1/2 Gal 1 1/4 # Fl.

**EQUIPMENT**  
 PUMP TRUCK CEMENTER John Roberts  
 # \_\_\_\_\_ HELPER Alvin  
 BULK TRUCK DRIVER Galen  
 BULK TRUCK DRIVER \_\_\_\_\_

COMMON \_\_\_\_\_ @ \_\_\_\_\_  
 POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
 GEL \_\_\_\_\_ @ \_\_\_\_\_  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 ASC \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 HANDLING \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_  
 TOTAL \_\_\_\_\_

**REMARKS:**  
25sk @ 3434  
25sk @ 1510  
100sk @ 802  
40sk @ 276  
10sk @ 40'  
30sk Rathole  
15sk Mouse hole

**SERVICE**  
 DEPTH OF JOB \_\_\_\_\_  
 PUMP TRUCK CHARGE \_\_\_\_\_  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_

CHARGE TO: Clamar Oil  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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**KCC WICHITA**  
 TOTAL \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**  
 \_\_\_\_\_ @ \_\_\_\_\_  
Dry hole Plug @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_

To Allied Cementing Co., LLC.  
 You are hereby requested to rent cementing equipment

**WELL REPORT**

**Well: Cla-Mar Oil Co. #1 Furthmeyer**  
**Approx. NE SW NE NE Section 29**  
**775' fnl x 925' fel**  
**T. 12 S., R. 19 W.**  
**Ellis County, Kansas**

**Elevation: GL 2154**  
**KB 2159**

**Total Depth: Driller 3870 Logger 3871**

**Date spudded: 12/16/09**

**Date completed: 12/21/09**

**Drill Stem Test: None**

**Results: Plugged and Abandoned**

**Drilling Contractor: Royal Drilling, Rig 1**

**Mud Contractor: Morgan Mud**

**Logs Run: Log-Tech- Dual Induction Log/ Neutron/Density, Sonic**

**Wellsite Geologist: Neal LaFon- Franktown, Colorado**

**FORMATION TOPS**

<b>Anhydrite</b>	<b>1476</b>	<b>+683</b>
<b>Howard</b>	<b>3124</b>	<b>-965</b>
<b>Topeka</b>	<b>3194</b>	<b>-1035</b>
<b>Heebner</b>	<b>3430</b>	<b>-1271</b>
<b>Toronto</b>	<b>3450</b>	<b>-1291</b>
<b>Kansas City</b>	<b>3472</b>	<b>-1313</b>
<b>Arbuckle</b>	<b>3805</b>	<b>-1646</b>
<b>Total Depth</b>	<b>3871</b>	

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**SAMPLE DESCRIPTIONS  
LAGGED AND CORRELATED BACK TO LOG**

**Howard**                    3124-3148 Ls, gray, med xtl, foss, dirty, hard, tt, NS

**Topeka**                    3194-3206 Ls, brn, f-m xtl, hard, tt, NS  
                                  Tr w/foss., tr w/sh clasts

                                  3206-3220 Ls, brn, vf xtl to micro xtl, hard, tt, NS  
                                  3220-3238 Ls, gray, vf-m xtl, some hard, tt, much chalky, soft,  
                                  NS.  
                                  3238-3264 Ls, Gray, micro xtl, hard, tt, NS  
                                  3264-3284 Ls, Brn, vf-coar xtl, hard, tt, NS  
                                  3284-3294 Ls, Brn, vf-f xtl, soft, granular, good por, NS  
                                  3310-3318 Ls, gray, crypto xtl, hard, tt, NS  
                                  3318-3324 Ls, Gran, med xtl, hart, tt, NS  
                                  3324-3341 Ls, wt, soft chalky, NS  
                                  3350-3386 Ls, buff, vf grn, soft to hard, NS  
                                  3386-3396 Ls, wt, micro xtl, soft to hard, NS  
                                  3396-3428 Ls, gray, f-m xtl, dirty looking, soft, chalky, spks  
                                  green clay, mostly hard, NS

**Toronto**                    3450-3464 Ls, wt, micro xtl to f xtl, hard, tt, NS

**Kansas City A**            3470-3494 Ls, wt, micro xtl, tr chalky, rest tt, NS  
                                  3503-3518 Ls, wt, micro xtl, tt, NS (one grn, vug por, w/lt stn  
                                  SSFO)

                                  3520-3536 Ls, wt, vvf xtl, tr w/pinpt vug por w/dead oil  
                                  stn/bit, one grn vug por w/ lt oil stn, SSFO  
                                  3544-3550 Ls, wt, micro xtl, w/scatt vug por, dead bit.  
                                  3550-3558 Ls, gray, micro xtl, some soft chalky, rest tt, NS  
                                  3562-3588 Ls, gray, micro xtl, no por, NS  
                                  3605-3620 Ls, gray, micro xtl, hard, tt, NS  
                                  (couple pieces brown, oolitic, no por).  
                                  3626-3628 Ls, brown, f-m xtl, soft (couple pieces w/SSFO,  
                                  fair p and p, looks wet)  
                                  3628-3655 Ls, gray, micro xtl, tt, NS  
                                  3659-3684 Ls, wt, micro xtl, some chalky, NS  
                                  3689- 3705 Ls, a/a  
                                  3705- 3724 sh, grn, red  
                                  3724-3732 Ls, wt, mircro xtl, tt, NS  
                                  3734-3746, sh, red, purple

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3746-3762 Ls, dk gray-gray, micro xtln, tt, NS  
3762-3796 Ls, micro xtln, some wt chalky, some vf xtln, tt  
NS, some orange chert

Arbuckle

3804- 3806 Reworked -Dolo/lS, red to white, mix, lots  
chert

3806-3820, Dolo, wt, vf xtln, sucrosic, tt, NS (one piece w/poor  
intergran por, dead oil stn NSFO)

3820-3870 Dolo, brn, med xtln, most hard, few pieces very soft,  
exc por, tr chert, NS

#### MUD RECORD

12/18/09 @2830	MW 8.6	VIS 58	WL 8.8	MC 1/32
12/19/09 @ 3115	MW 8.7	VIS 55	WL 7.8	MC 1/32
12/20/09 @ 3511	MW 9.2	VIS 49	WL 9.2	MC 2/32
12/21/09 @ 3792	MW 9.5	VIS 49	WL 10.4	MC 3/32

#### DEVIATIONS

12/16/09	@ 226	1/2
12/21/09	@ 3870	2

#### COMMENTS

Well ran low to Murfin producer to the west. No testable shows were encountered  
in the section and no DSTs were run.

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