

9/10/09

Form ACO-1  
September 1999  
Form Must Be Typed

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
**WELL COMPLETION FORM**

**ORIGINAL**

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 6120  
Name: Cabot Oil & Gas Corporation  
Address: 600 17th Street, Suite 900N  
City/State/Zip: Denver, CO 80202  
Purchaser: Duke Energy Field Services  
Operator Contact Person: Jean Arnold - Prod. Tech.  
Phone: (303) 226-9443  
Contractor: Name: Cheyenne Drg Div of Trinidad Drilling LTD Partnership Rig #2  
License: 33784 Woodward, OK PH#:(580) 256-7226  
Wellsite Geologist: Petroleum Mud Logging Inc.

**KCC**

**SEP 10 2007**

**CONFIDENTIAL**

Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     SWD     SLOW     Temp. Abd.  
 Gas     ENHR     SIGW  
 Dry     Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:  
Operator: N/A  
Well Name: N/A  
Original Comp. Date: N/A Original Total Depth: N/A  
 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. \_\_\_\_\_  

<u>7/18/07</u>	<u>7-25-07</u>	<u>7/27/07</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 175-22093-00-00  
County: Seward  
SE SE NW Sec. 7 Twp. 34 S. R. 33  East  West  
2310' feet from S /  (circle one) Line of Section  
2252' feet from E /  (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE  NW SW  
Lease Name: Metcalf Well #: 4-7  
Field Name: Hugoton  
Producing Formation: Dry  
Elevation: Ground: 2872' Kelly Bushing: 2884'  
Total Depth: 6750' Plug Back Total Depth: P&A'd  
Amount of Surface Pipe Set and Cemented at 1505 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set N/A Feet  
If Alternate II completion, cement circulated from N/A  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan** PAUJ 3509  
(Data must be collected from the Reserve Pit)  
Chloride content 3500 ppm Fluid volume 2000 bbls  
Dewatering method used Evaporation and dry out  
Location of fluid disposal if hauled offsite:  
Operator Name: N/A  
Lease Name: N/A License No.: N/A  
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: Jean Arnold  
Title: Production Tech. Date: 9/25/07  
Subscribed and sworn to before me this 25<sup>th</sup> day of September,  
2007.  
Notary Public: Monica Jamison  
Date Commission Expires: 12-3-08

**MONICA JAMISON**  
**NOTARY PUBLIC**  
**STATE OF COLORADO**  
My Commission Expires 12/03/2008

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

**SEP 26 2007**

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Cabot Oil & Gas Corporation Lease Name: Metcalf Well #: 4-7  
 Sec. 7 Twp. 34 S. R. 33  East  West County: Seward

**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  Yes  No  
 (Attach Additional Sheets)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy)

List All E. Logs Run:

High Definition Induction Log / GR  
 Compensated Z-Densilog/ CNL/ GR/ Minilog

Log Formation (Top), Depth and Datum  Sample  
 Name Top Datum  
 See attached csg record and formation info

**KCC**  
**SEP 10 2007**  
**CONFIDENTIAL**

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#, J-55 ST&C	1,505'	65:35:6 Poz	750 sx	2% CC+1/4#/SX Flo-seal
					Class C	150 sx Total 900	2% CC
							See attached csg record

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
..... Perforate				
..... Protect Casing				
..... Plug Back TD				
..... 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

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumerd 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  Vented  Sold  Used on Lease (If vented, Submit ACO-18.)  
 METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_  
 Production Interval \_\_\_\_\_

RECEIVED  
 KANSAS CORPORATION COMMISSION

SEP 26 2007

CONSERVATION DIVISION  
 WICHITA, KS



Cabot Oil & Gas Corporation

**Metcalf 4-7**  
**(SE SE NW) 2,310' FNL & 2,252' FWL**  
**Sec. 7-T34S-R33W**  
**Seward County, KS**  
**API# 15-175-22093**

Purpose of String	Size Hole Drl'd	Size Csg. Set	Weight Lbs/Ft.	Setting Depth	Type of Cement	# Sacks Used	Type & Percent Additives
Surface	12-1/4"	8-5/8"	24#, J-55 ST&C	1,505'	65:35:6	750	2% CaCl2 + .1/4#/sk Flo-seal
"	"	"	"	"	Class C	150	2% CaCl2
						<b>900 Total</b>	

**Tops for Metcalf 4-7**

Formation	Depth	Datum
Chase	2,608'	2,884'
Council Grove	3,002'	
Wabaunsee	3,465'	
Base of Heebner Shale	4,328'	
Toronto	4,332'	
Lansing	4,454'	
Marmaton	5,187'	
Atoka	5,610'	
Morrow	5,816'	
Lower Morrow Sand	6,020'	
Chester	6,099'	
Ste. Genevieve	6,434'	

**KCC**  
**SEP 10 2007**  
**CONFIDENTIAL**

RECEIVED  
KANSAS CORPORATION COMMISSION

**SEP 26 2007**

CONSERVATION DIVISION  
WICHITA, KS

# ALLIED CEMENTING CO., INC.

31151

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

SERVICE POINT:

*M. Led Zedger*

DATE <u>7-27-07</u>	SEC. <u>7</u>	TWP. <u>34</u>	RANGE <u>33</u>	CALLED OUT <u>1:00 pm</u>	ON LOCATION <u>5:00 pm</u>	JOB START <u>8:00 pm</u>	JOB FINISH <u>9:30 pm</u>
LEASE <u>Metcal F</u>	WELL # <u>4-7</u>	LOCATION <u>Liberal Ks 5n 2w</u>			COUNTY <u>Seward</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one) <u>NEW</u>			<u>1/4 S E 1/4</u>				

CONTRACTOR Cheyenne #2

TYPE OF JOB Plg Plug

HOLE SIZE 7 7/8 T.D. 3000

CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

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

DRILL PIPE 4 1/2 DEPTH 3000

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

PRES. MAX 300 MINIMUM 100

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

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

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

DISPLACEMENT 28 6 bbls mud

EQUIPMENT \_\_\_\_\_

OWNER Cabat

CEMENT AMOUNT ORDERED 245.54 60/40 6

COMMON	<u>147 A</u>	@	<u>12.60</u>	<u>1852.20</u>
POZMIX	<u>98</u>	@	<u>6.20</u>	<u>607.60</u>
GEL	<u>13</u>	@	<u>16.65</u>	<u>216.45</u>
CHLORIDE	_____	@	_____	_____
ASC	_____	@	_____	_____
	_____	@	<b>KCC</b>	_____
	_____	@	<b>SEP 10 2007</b>	_____
	_____	@	<b>CONFIDENTIAL</b>	_____
	_____	@	_____	_____
	_____	@	_____	_____
	_____	@	_____	_____
HANDLING	<u>258</u>	@	<u>1.90</u>	<u>490.20</u>
MILEAGE	<u>20 x 258 x .09</u>	@	_____	<u>464.40</u>
TOTAL	_____	_____	_____	<u>3630.85</u>

PUMP TRUCK # 372 CEMENTER Steve

BULK TRUCK # 368 DRIVER Randy M

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

REMARKS:

1st plug 100 ft at 3000 ft 8 1/2 ahead mix  
18 bbls 3 fresh + 28 mud  
2nd plug 8 1/2 ahead mix 9.3 fresh  
12 bbls mud 3rd plug 8 1/2 ahead  
mix 9 1/2 bbls + Disp 5 bbls  
20 ft at 60 ft, 10 ft in mouse  
hole + 15 ft in lat hole

SERVICE

DEPTH OF JOB	<u>3000</u>	_____	_____
PUMP TRUCK CHARGE	_____	_____	<u>955.00</u>
EXTRA FOOTAGE	_____	@	_____
MILEAGE	<u>20</u>	@	<u>6.00 120.00</u>
MANIFOLD	_____	@	_____
_____	_____	@	_____
_____	_____	@	_____
TOTAL	_____	_____	<u>1075.00</u>

CHARGE TO: Cabat Oil & Gas

STREET \_\_\_\_\_

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

PLUG & FLOAT EQUIPMENT

RECEIVED \_\_\_\_\_

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

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

\_\_\_\_\_ @ SEP 26 2007

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

\_\_\_\_\_ @ CONSERVATION DIVISION WICHITA, KS

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

# ALLIED CEMENTING CO., INC.

31123

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

SERVICE POINT:  
*Medicine Lodge*

*Seward Co, ks*

DATE <i>7-19-07</i>	SEC. <i>7</i>	TWP. <i>34</i>	RANGE <i>33</i>	CALLED OUT <i>2:00 p.m.</i>	ON LOCATION <i>7:00 p.m.</i>	JOB START <i>8:30 p.m.</i>	JOB FINISH <i>10:00 p.m.</i>
WELL # <i>4-7</i>				LOCATION <i>1/4 + 83 Sect. 13 South, Just Seward</i>		COUNTY <i>Seward</i>	STATE <i>Ks</i>
OLD OR <input checked="" type="radio"/> NEW (Circle one)				<i>1/4 South, East into</i>			

CONTRACTOR *Cheyenne 2* OWNER *Cobot Oil & Gas Co.*

TYPE OF JOB <i>Surface</i>	CEMENT	
HOLE SIZE <i>12 1/4</i>	T.D. <i>1506</i>	AMOUNT ORDERED <i>750sx 65:35:10 + 2% CC + 1/4" Flt Seal</i>
CASING SIZE <i>8 3/8</i>	DEPTH <i>1506</i>	<i>1505x C + 2% CC</i>
TUBING SIZE	DEPTH	
DRILL PIPE	DEPTH	
TOOL	DEPTH	
PRES. MAX <i>1000</i>	MINIMUM <i>-</i>	
MEAS. LINE	SHOE JOINT <i>45'</i>	
CEMENT LEFT IN CSG. <i>45'</i>		
PERFS.		
DISPLACEMENT <i>94 Cds Fresh H2O</i>		

COMMON <i>C</i>	<i>150</i>	@	<i>15.40</i>	<i>2310.00</i>
POZMIX		@		
GEL		@		
CHLORIDE	<i>20</i>	@	<i>46.60</i>	<i>932.00</i>
ASC		@		
<i>AW</i>	<i>750</i>	@	<i>11.85</i>	<i>8887.50</i>
<i>FLD-SEAL</i>	<i>188</i>	@	<i>2.00</i>	<i>376.00</i>
		@		
		@	<i>KCC</i>	
		@	<i>SEP 10 2007</i>	
		@	<i>CONFIDENTIAL</i>	
		@		
HANDLING	<i>967</i>	@	<i>1.90</i>	<i>1837.30</i>
MILEAGE	<i>967 x 20</i>	@	<i>.09</i>	<i>1740.60</i>
			TOTAL	<i>16083.40</i>

REMARKS:

*pipe on bottom, break circ, pump 3 fresh ahead mix 750sx 65:35:10 + 2% CC + 1/4" Flt Seal. mix 1505x C + 2% CC, stop, release plug, start disp @ 6 Bpm w/ Fresh H2O, slow rate to 3 when circ, slow to 2 @ 70 lds, slow to 1, pump plug 500 over @ 94 lds, release. float did hold cement did circ.*

SERVICE

DEPTH OF JOB	<i>1511</i>		
PUMP TRUCK CHARGE			<i>1610.00</i>
EXTRA FOOTAGE		@	
MILEAGE	<i>20</i>	@	<i>6.00</i> <i>120.00</i>
MANIFOLD	<i>Hard Rental</i>	@	<i>100.00</i> <i>100.00</i>

RECEIVED  
KANSAS CORPORATION COMMISSION

SEP 26 2007

TOTAL *1830.00*

CONSERVATION DIVISION  
PLUG & FLOAT EQUIPMENT

CHARGE TO: *Cobot Oil & Gas Co.*  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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

*8 5/8*

<i>1 Guide Shoe</i>	@	<i>250.00</i>
<i>1 Sure Seal Collar</i>	@	<i>600.00</i>
<i>5 Centralizers</i>	@	<i>275.00</i>
<i>1 Thread Lock</i>	@	<i>30.00</i>
<i>1 Oil</i>	@	<i>1.00</i>

**KANSAS GEOLOGICAL SURVEY  
REQUEST TO PRESERVE FORMATION SAMPLES OR DRILL CUTTINGS**

Kansas Administrative Regulation 82-3-107(c)

*(To process your request, please complete and submit the form with the samples)*

**OPERATOR**

Name **JEAN ARNOLD** Operator **CABOT OIL & GAS CORPORATION**

Address **600 17TH ST., SUITE 900 NORTH** Telephone 303.226.9443

City **DENVER** State **CO** Zip Code **80202**

**SAMPLES**

I am submitting the following samples to the Sample Library because *(check only one)*:

- (a)  KGS requested the samples for the Sample Library
- (b)  The operator wants the samples preserved and placed in the Sample Library
- (c)  I authorize KGS to determine the geologic significance and disposition of the samples

Well Name and Number **METCALF 4-7**

Spot Location **SE SE NW** Section-Township-Range **7 34 33 W**

County **SEWARD** State **KANSAS** API No. **1517522093**

Sample Condition: *check all that apply*  Washed  Bagged  Labeled  Wet  Dry

**KCC**  
SEP 10 2007  
**CONFIDENTIAL**

**CONFIDENTIALITY**

*(Samples can not be held in confidential custody, if this section is either blank, illegible, or not completed)*

I want the samples placed in confidential custody:  YES  NO *(if YES, complete the following)*

A written confidentiality request  WAS  WILL BE filed with the Kansas Corporation Commission

A copy of the written confidentiality request was provided to KGS:  YES  NO  UNKNOWN

**DUPLICATE SAMPLES**

I want a duplicate set of samples preserved.  YES  NO *(if YES, complete the following)*

Make \_\_\_\_\_ set of samples. Duplicate sample interval:  All samples  From \_\_\_\_\_ to \_\_\_\_\_

Send invoice and duplicate samples to:  Operator  Other, *(complete the following)*

Name \_\_\_\_\_ Company \_\_\_\_\_ RECEIVED  
Address NA Telephone \_\_\_\_\_ KANSAS CORPORATION COMMISSION  
City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_ SEP 26 2007  
CONSERVATION DIVISION

**REQUEST SUBMITTED BY**

Name *(please print)* JEAN ARNOLD Date 9/11/07  
Telephone 303.226.9443 Email jean.arnold@cabotog.com