

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO  
September 1995  
Form Must Be Type

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 32429  
 Name: CRAWFORD OIL & GAS, INC.  
 Address: PO Box 51  
 City/State/Zip: Coldwater, Ks. 67029  
 Purchaser: PRG  
 Operator Contact Person: CM Crawford  
 Phone: (316) 582-2612  
 Contractor: Name: DUKE DRILLING CO, INC.  
 License: 5929  
 Wellsite Geologist: Jon Christensen  
 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: \_\_\_\_\_  
 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. \_\_\_\_\_  
6-6-00    6-25-00    7-1-00  
 Spud Date or    Date Reached TD    Completion Date or  
 Recompletion Date       Recompletion Date

CONSERVATION DIVISION  
Wichita, Kansas

RECEIVED  
SEP 22 2000  
STATE CORPORATION COMMISSION

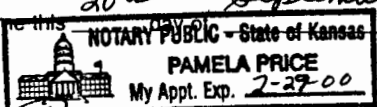
API No. 15 - 033-21093-0000  
 County: Comanche  
NE NE - NW Sec. 9 Twp. 34 S. R. 18  East  West  
330 feet from S / N (circle one) Line of Section  
1650 feet from E / W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE NW SW  
 Lease Name: Cole Well #: 2  
 Field Name: Buttermilk East  
 Production Formation: Mississippian  
 Elevation of Ground: 1872 Kelly Bushing: 1880  
 Total Depth: 6100 Plug Back Total Depth: 5420  
 Amount of Surface Pipe Set and Cemented at 628' Fee \_\_\_\_\_  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set \_\_\_\_\_ Fee \_\_\_\_\_  
 If Alternate II completion, cement circulated from \_\_\_\_\_  
 feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**  
 (Data must be collected from the Reserve Pit)  
 Chloride content 28,000 ppm Fluid volume 500 bbls  
 Dewatering method used Hauled Off  
 Location of fluid disposal if hauled offsite:  
 Operator Name: Gordon Keane  
 Lease Name: Harmon License No.: 5993  
 Quarter NW Sec. 11 Twp. 33 S. R. 20  East  West  
 County: Comanche Docket No.: 22304

**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. Formation 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: President Date: 9-20-00  
20th September  
 Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 2000.  
 Notary Public: Pamela Price  
 Date Commission Expires: Feb. 29, 2004



**KCC Office Use ONLY**

Letter of Confidentiality Attached  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: CRAWFORD OIL & GAS, INC. Lease Name: Cole Well #: 2  
 Sec. 9 Twp. 34 S. R. 18  East  West County: Comanche

**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)

Log Formation (Top), Depth and Datum  Sample  
 Name Top Datum

List All E. Logs Run:

Neutron Microlog  
 High Resolution Induction  
 Cement Bond

**CASING RECORD**  New  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	# Sacs Used	Type and Percent Additives
Conductor		20"		80'	10 sk grout		
Surface	12 1/4"	8 5/8"	24#	628'	35/65 Pozmix	225	3% cc 1/4 # F10
Production	7 7/8"	4 1/2"	10.5#	5478'	Prem.	195	5% Kals, 10% sa 5# gil.

**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
6 SPF	5318-24 5344-52	N2 Foam 344 sk sand N2 900,000 800 Bbl. wtr, 1500 gal 15% acid	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	5240	na	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.	Producing Method			
8-22-00	<input checked="" 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
	0	100	20	

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