

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1  
September 1999  
Form Must Be Typed

Operator: License # 32429  
Name: CRAWFORD OIL & GAS, INC.  
Address: P. O. Box 51  
City/State/Zip: Coldwater, Kansas 67029  
Purchaser: EOTT & PRG  
Operator Contact Person: Mark Pinnick  
Phone: (316) 582-2612  
Contractor: Name: DUKE DRILLING CO., INC.  
License: 5929  
Wellbore Geologist: Jon Christensen  
Designate Type of Completion:  
☒ New Well ☐ Re-Entry ☐ Workover  
☐ Oil ☐ SWD ☐ SIOW ☐ 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. \_\_\_\_\_

5/6/00 5/20/00 5/16/00  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date

API No. 15 - 033-21,088  
County: Comanche  
App C S/2 NW NW Sec. 7 Twp. 34 S. R. 18 ☐ East ☒ West  
985 feet from S (N) (circle one) Line of Section  
620 feet from E (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW  
Lease Name: HOFFMAN TRUST Well #: 2  
Field Name: Buttermilk East  
Producing Formation: Mississippian  
Elevation: Ground: 1895' Kelly Bushing: 1906'  
Total Depth: 6100' Plug Back Total Depth: 5527  
Amount of Surface Pipe Set and Cemented at 635 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**

(Data must be collected from the Reserve Pit)

Chloride content 28,000 ppm Fluid volume 600 bbls  
Dewatering method used haul off

Location of fluid disposal if hauled offsite:

Operator Name: GORDON KEANE  
Lease Name: Harmon License No.: 5993  
Quarter NW Sec. 7 Twp. 34 S. R. 18 ☐ 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. Information on 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: Mark Pinnick

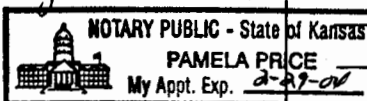
Title: Sept. Oper. Date: 8-7-00

Subscribed and sworn to before me this 7<sup>th</sup> day of Aug.

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: HOFFMAN TRUST Well #: 2  
 Sec. 7 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)

List All E. Logs Run:

Spectral Density Neutron  
 High Resolution Induction  
 Cement Bond

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

### 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	# Sacjs Used	Type and Percent Additives
Conductor		20"		40'	10Sk Grout		
Surface	12-1/4"	8-5/8"	24#	635'	Lite Class A	225 200	3%cc 2%gel, 3%cc
Production	7-7/8"	4-1/2"	10.5#	5560'	Premium	140	10%salt, 5%Kalseal

### 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	5298-5302	900 Bbls. H O 300 Sx.sand	
6 SPF	5342-48	170 T CO <sub>2</sub>	
6SPF	5324-27		

UBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8	5262	NA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
ate of First, Resumerd Production, SWD or Enhr.	Producing Method			
WOPL	<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
	1	300	30	

osition of Gas METHOD OF COMPLETION

☐ Vented ☒ Solid ☐ Used on Lease  
 (If vented, Sumit ACO-18.)

☐ Open Hole ☒ Perf. ☐ Duaily Comp. ☐ Commingled  
☐ Other (Specify)