

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 32429  
Name: CRAWFORD OIL & GAS, INC.  
Address: P. O. Box 51  
City/State/Zip: Coldwater, Kansas 67029

Purchaser:  
Operator Contact Person: MARK PINNICK  
Phone: (316) 582-2612  
Contractor: Name: DUKE DRILLING CO., INC.  
License: 5929

Wellsite Geologist: Jon D. Christensen

Date 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.

03-10-00 03-22-00 3-26-00  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 033-21053-0000

County: Comanche

50' S. 1 C. SE. SW Sec. 30 Twp. 33 S. R. 18  East  West

610 feet from (S) N (circle one) Line of Section

3350 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE (SE) NW SW

Lease Name: O. DEEWALL Well #: 2

Field Name: BUTTERMILK EAST

Producing Formation: MISSISSIPPIAN

Elevation: Ground: 1931' Kelly Bushing: 1939'

Total Depth: 5500' Plug Back Total Depth: 5412

Amount of Surface Pipe Set and Cemented at 639 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 ALT 1 gfh 7-14-00  
(Data must be collected from the Reserve Pit)

Chloride content 12,800 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. 11 Twp. 33 S. R. 20  East  West

County: Comanche Docket No.: 22,304

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 82-3-10 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.

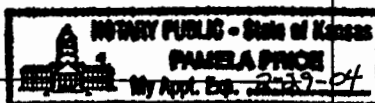
Signature: Mark Pinnick

Title: SUPERINTENDENT OPERATIONS Date: 6-27-00

Subscribed and sworn to before me this 27 day of June

2000  
Notary Public:  Pamela Price

Date Commission Expires: 2-29-04



KCC Office Use ONLY

Letter of Confidentiality Attached

If Denied, Yes  Date: \_\_\_\_\_

Wireline Log Received

Geologist Report Received

UIC Distribution

LOG

Operator Name: CRAWFORD OIL & GAS, INC. Lease Name: O. DEWALL Well #: 2  
 Sec. 30 Twp. 33 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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum		<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	HEEBNER	4329	-2390
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	LANSING	4526	-2587
		SWOPE	4877	-2953
List All E. Logs Run:		BASE KC	5034	-3095
NEUTRON II		ALTAMONT	5102	-3163
CEMENT BOND		PAWNEE	5144	-3205
HIGH RESOLUTION		FORT SCOTT	5177	-3238
		CHEROKEE SHALE	5186	-3247
		MISSISSIPPI	5269	-3330

**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"		40'	10SK Grout		
Surface	12-1/4"	8-5/8"	24#	639'	Lite Class A	250 100	2%gel, 3%cc
Production	7-7/8"	4-1/2"	10.5#	5470'	Common	115	10%Salt, 5#Gill.

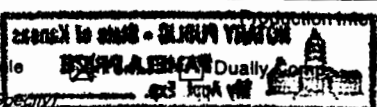
**ADDITIONAL CEMENTING / SQUEEZE RECORD**

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	5290-5302	1000 GAL 15% ACID 160 SX SAND	
6 SPF	5350 - 64	90T. CO <sub>2</sub> 400 BBL H <sub>2</sub> O	

<b>TUBING RECORD</b>		Size <u>2 3/8"</u>	Set At <u>5339</u>	Packer At <u>NA</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <u>WOPL</u>		Producing Method <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
		<u>300</u>			

<b>Disposition of Gas</b>		<b>METHOD OF COMPLETION</b>	
<input type="checkbox"/> Vented	<input checked="" type="checkbox"/> Sold	<input type="checkbox"/> Open Hole	<input type="checkbox"/> Commingled
<i>(If vented, Sumit ACO-18.)</i>		<i>(Specify)</i>	



5290' - 5302'  
5350' - 5364'