

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

COPY

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
Website 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. _____

4-16-2000 5/3/00 5/15/00

Spec. Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 033-21,057

County: Comanche

SE - SE NW Sec. 3 Twp. 34 S. R. 18 ☐ East ☒ West

2310 feet from S / (N) (circle one) Line of Section

2310 feet from E / (W) (circle one) Line of Section

Stages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW

Lease Name: O. BLOUNT Well #: 1

Field Name: Buttermilk East

Producing Formation: Mississippian/viola

Elevation: Ground: 1910' Kelly Bushing: 1918'

Total Depth: 6080' Plug Back Total Depth: 6078

Amount of Surface Pipe Set and Cemented at 632' 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 PH. 1, 8-10-00 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 31,000 ppm Fluid volume 500 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.: 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 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: Mark Pinnick

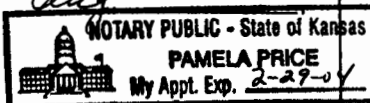
Title: Sept. Oper. Date: 8-7-00

Subscribed and sworn to before me this 7th 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: O. BLOUNT Well #: 1
 Sec. 3 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

☐ 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	# Sacs Used	Type and Percent Additives
Conductor		20"		40'	10 Sack Grout		
Surface	12-1/4"	8-5/8"	24#	632'	Lite Class A	225 100	cc Floseal gel, cc
Production	7-7/8"	4-1/2"	10.5#	230	A-Con		

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
4 SPF	5278-88	1000 Gal. 15% Acid	
4 SPF	5356-62	90 T CO ₂ 160 SX Sand	
4 SPF	5947-53	400 Bbl. H ₂ O	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8	6072'	NA	☐ Yes ☒ No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method			
WOPL		☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	6	700	150		

Disposition of Gas **METHOD OF COMPLETION**

☐ Vented ☒ Sold ☐ Used on Lease ☐ Open Hole ☒ Perforated ☐ Dually Comp. ☐ Commingled
 (If vented, Sumit ACO-18.)