

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM  
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: license # 9421  
name Boger Brothers Drilling Inc.  
address P. O. Box 723  
Great Bend, Kansas 67530  
City/State/Zip

Operator Contact Person Mark Boger  
Phone 316-792-8151

Contractor: license # 9421  
name Boger Brothers Drilling Inc.

Wellsite Geologist Steve Mitchell  
Phone 316-792-8151

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply etc.)

If OWWO: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  Mud Rotary  Air Rotary  Cable  
5-17-85 5-23-85 6-25-85  
Spud Date Date Reached TD Completion Date  
3760'  
Total Depth PBD  
Amount of Surface Pipe Set and Cemented at 883 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If Yes, Show Depth Set feet  
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt

API NO. 15-009-23,948  
County Barton  
SW SW NW Sec. 19 Twp. 20 Rge. 14

2970' Ft North from Southeast Corner of Section  
4950' Ft West from Southeast Corner of Section  
(Note: locate well in section plat below)

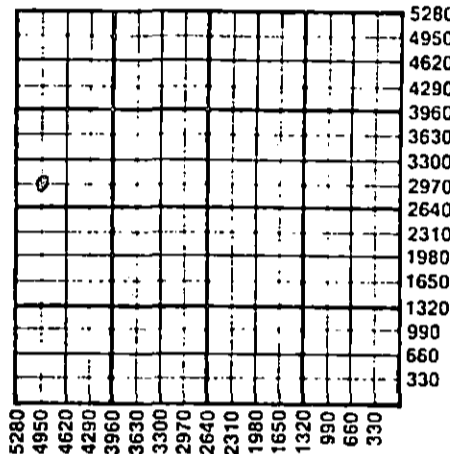
Lease Name Clark 1-19 Well# 1

Field Name Unruh

Producing Formation Arbuckle

Elevation: Ground 1910 KB 1915

Section Plat



WATER SUPPLY INFORMATION

Source of Water:  
Division of Water Resources Permit #  
 Groundwater Ft North From Southeast Corner and  
(Well) Ft West From Southeast Corner of  
Sec Twp Rge  East  West  
 Surface Water Ft North From Southeast Corner and  
(Stream, Pond etc.) Ft West From Southeast Corner  
Sec Twp Rge  East  West  
 Other (explain) existing well  
(purchased from city, R.W.D.#)

Disposition of Produced Water:  Disposal  Repressuring  
Docket # CD. 118214 (C-21526)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 82-3-130 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 drillers time log shall be attached with this form. 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 Marvin L Boger  
Title President Date 7-24-85

Subscribed and sworn to before me this 24 day of July 19 85

Notary Public P. Earlene Boger  
Date Commission Expires 3/13/89

K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

7-26-85 JUL 26 1985 Form ACO-1 This form supercedes previous forms ACO-1 & C-10

Sec. 19 Twp. 20 Rge. 14

Operator Name Boger, Brothers, Drilling. Lease Name Clark, 1-19. Well# 1. SEC 19. TWP. 20. RGE. 14.

**WELL LOG**

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

**Formation Description**  
 Log  Sample

FORMATION DEPTH TIMES  
 DST #1 Lansing A-F 3315'-3390' 15"-20"  
 BLOW: I.F. -Very weak, died in 3", flushed w/no help  
 RECOVERY: 10' Drilling mud  
 PRESSURES: IHP: 1641# FHP: 1620# IFP: 55-65# FFP: 64 pulled  
 DST #2 Simpson Sands 3545'-3585' 30"-30"=45"-30"  
 BLOW: I.F. -Weak 1/2" died in 20", flushed w/no help  
 F.F. - weak 1 1/2"-1"  
 RECOVERY: 30' Drilling mud w/gas bubbles  
 PRESSURES: IHP: 1761# FHP: 1743# IFP: 36=47# FFP: 47-50#  
 ISIP: 71# FSIP: 63# T: 105° F  
 DST #3 Arbuckle 3631'-3646' 30"=30"-65"-60"  
 BLOW: I.F. - Gas to surface in 3"  
 F.F. - Fluid to surface in 20"  
 GAS GAUGED INS/PSI CHOKE M CFPD  
 10" 20" 1" 115,000  
 20" 20" 3/4" 63,500  
 30" 8" 3/4" 40,000  
 2nd OPEN  
 5" 8" 3/4" 40,000  
 15" 5" 3/4" 31,600  
 20" Fluid to surface  
 RECOVERY: 200' gas in pipe  
 3300' oil & gas cut water (Reversed circulated)  
 Averaged (10% oil, 5% mud, 85% water)  
 Top sample: 25% oil  
 PRESSURES: IHP: 1780# FHP: 1760# IFP: 969-1111#  
 ISIP: 1176# FSIP: 1180# T: 110° F

Name	Top	Bottom
HEEBNER	3209 (-1294)	3211 (-1296)
TORONTO	3228 (-1313)	3228 (1313)
DOUGLAS	3241 (-1326)	3244 (-1329)
IATAN	4408 (-1393)	3309 (-1394)
		-1399
LANSING	3318' (-1403)	3320 (1405)
		-1410
BASE K.C.	3529 (-1614)	3532 (-1617)
CONGL. Is	3537 (-1622)	3537' (-1622)
SIMPSON	3553 (-1638)	3556 (-1641)
ARBUCKLE	3583 (-1668)	3585 (-1670)
		-1683

RELEASED

OCT 03 1986

FROM CONFIDENTIAL

CASING RECORD <input 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 1/2"	8.5/8"	24#	883'	50-50 poz.	375'	2% gel 13% c.c.
Production		5 1/2"	14#	3751'	60-40 poz.	150	
					36' shoe joint		

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth
2	3625-29 3633-39	Natural	

TUBING RECORD				Liner Run	
size	set at	packer at		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
2 7/8	3640'				

Date of First Production	Producing method	Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
July 9, 1985	<input type="checkbox"/> flowing <input checked="" type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)	Approx. 10,000	41 Bbls	MCF	103 Bbls	CFPB	

Disposition of gas:  vented  
 sold  
 used on lease

**METHOD OF COMPLETION**  
 open hole  perforation  
 other (specify) .....

**PRODUCTION INTERVAL**

3725-29 Arb.

3633-39 Arb.

Dually Completed.  
 Commingled

STEEL