

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
City/State/Zip Great Bend, KS 67530

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.)
Kc-vec

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

WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable
5-24-85... 5-31-85... 5-31-85...
Spud Date Date Reached TD Completion Date

3764...
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 877' 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. 15-009-23,919-0000

County Barton

NW SE NW (location) Sec. 20 Twp. 20 Rge. 14 East West

3630 Ft North from Southeast Corner of Section
3630 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

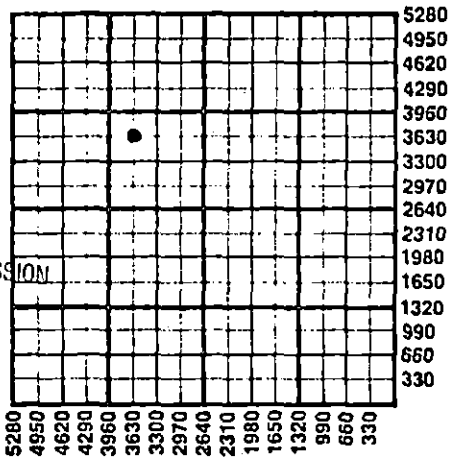
Lease Name Clarke 1-20 Well# 1

Field Name Unruh

Producing Formation D/A

Elevation: Ground 1905 KB 1900

Section Plat



RECEIVED
STATE CORPORATION COMMISSION
JUN 28 1985
CONSERVATION DIVISION
Wichita, Kansas

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) Farmer owned well
(purchased from city, R.W.D.#)

Disposition of Produced Water: Disposal Repressuring

Docket #

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 *Mark L Boger*
Title Pres Date 6/27/85

Subscribed and sworn to before me this 27 day of June 19 85

Notary Public P. Earlene Boger
Date Commission Expires
NOTARY PUBLIC - State of Kansas
P. EARLENE BOGER
My Appl. Exp. 5/13/89

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

Form ACO-1
(This form supersedes previous forms ACO-1 & C-10)

Sec. 20 Twp. 20 Rge. 14

Operator Name Boger Brothers Drilling, Inc. Lease Name Clarke 1-20 Well# 1 SEC. 20 TWP. 20 RGE. 14 East West

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

DST #1 - 3581'-3604', Arbuckle, 30"-30"-30"-30"
 BLOW: I.F.-Strong throughout. F.F.-Strong throughout
 RECOVERY: 55' Mud, 240' Muddy Water, 2025' Salt water,
 Chlorides: 37,000 ppm. PRESSURES: IHP: 1774#
 FHP: 1763# IFP: 354-625# FFP: 854-1000# ISIP: 1156#
 FSIP: 1156# T: 121°F

Name	Top	Bottom
HEEBNER	3198'	(-1293)
TORONTO	3218'	(-1313)
DOUGLAS	3230'	(-1325)
IATAN	3301'	(-1396)
LANSING	3310'	(-1405)
BASE K.C.	3522'	(-1617)
SIMPSON	3537'	(-1632)
ARBUCKLE	3576'	(1671)

DST #2 -3605'-3628' Arbuckle, 30"-30"-30"-30"
 BLOW: I.F.-Gas to surface in 8".

Gas Guaged	INS/PSI	CHOKE	CFPD
10"	12"	1/2"	21,900
20"	6"	1/2"	15,400
30"	5"	1/2"	14,000

2nd Open

1"	6"	1/2"	15,400
10"	TSTM	1/4"	
20"	12"	1/4"	5,860
30"	12"	1/4"	5,860

RECOVERY: 70' Oil & gas cut Mud (18% oil, 12% gas, 5% Water, 65% mud), 60' OIL & gas cut Muddy Water (19% oil, 12% gas, 18% water, 51% mud), 60' oil & gas cut muddy water (6% oil, 4% gas, 42% water, 48% mud), 190' total fluid.

PRESSURES IHP: 1826# FHP: 1815# IFP: 62-62#
 FFP: 83-83# ISP: 583# FSIP: 500# T: 122°F

DST #3 - 3634'-3643; Arbuckle, 30"-45"-45"-45"
 BLOW: I.F. - Weak increasing to good. F.F. - Good throughout. RECOVERY: 210' gas in pipe, 150' very slightly oil cut muddy water (2% oil, 12% mud, 86% water), Chlorides: 39,000 ppm. RESSURES: IHP: 1805#
 FHP: 1794# IFP: 36-36# FFP: 62-67# ISIP: 1167#
 T: 122°F

CASING RECORD <input type="checkbox"/> new <input type="checkbox"/> used							
Report all strings set-conductor, surface, intermediate, production, etc.							type and percent additives
Purpose of string	size hole drilled	size casing set (In O.D.)	weight lbs/ft.	setting depth	type of cement	# sacks used	
Surface		8 5/8"		877'	50-50 port	375	XC-2C
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
size	set at	packer at					
Date of First Production	Producing method <input type="checkbox"/> flowing <input type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	D / A						
	Bbls	MCF	Bbls	CFPB			

Disposition of gas: vented sold used on lease
 METHOD OF COMPLETION: open hole perforation other (specify) _____
 Dually Completed Commingled