

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 James Musgrove
Phone 792-7716

Designate Type of Completion

New Well Re-Entry Workover

KOII 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
4-15-88 4-21-88 5-17-88
Spud Date Date Reached TD Completion Date

4080' 3815'
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 302 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

AI/I

API NO. 15-185-22,507-0000

County Stafford

E/2 NE NW Sec 5 Twp 23 Rge 14 XX West
(location)

4620 Ft North from Southeast Corner of Section
2970 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

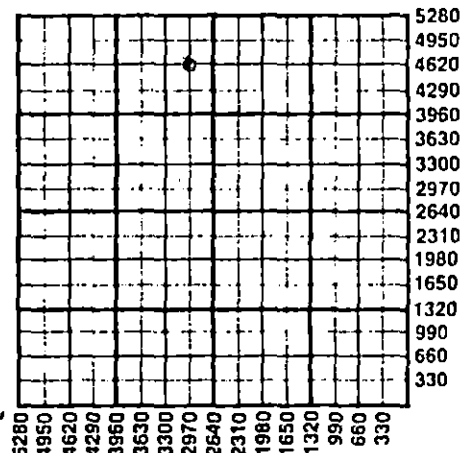
Lease Name Miller Well# 1

Field Name Wood Est WC

Producing Formation Kansas City

Elevation: Ground 1959' KB 1964'

Section Plat



WATER SUPPLY INFORMATION

Source of Water:
Division of Water Resources Permit # T88-207

Groundwater 4520 Ft North From Southeast Corner and
(Well) 2870 Ft. West From Southeast Corner of
Sec 5 Twp 23 Rge 14 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)
(purchased from city, R.W.D.#)

Disposition of Produced Water: None 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 P. Boger*
Title President Date 6-28-88

Subscribed and sworn to before me this 28th day of June 19 88

Notary Public *Wendy L. Brackeen*
Date Commission Expires 2-23-89



RECEIVED
STATE CORPORATION COMMISSION
JUN 30 1988
CONSERVATION DIVISION
Wichita, Kansas

6-30-88

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Time Log Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)
6-30-88 X

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

Sec. 5, Twp. 23, Rge. 14 W

Operator Name ..Boger..Brothers..Drilling Lease Name .Miller.... Well# .1.. SEC.5... TWP.23...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 - Tested 3656-3675'. 45-45-45-45.
 Blow strong, gas to surface during final shut in.
 Recovered 180' clean oil, 60' muddy frothy oil.
 Pressures: ISIP 976, FSIP 951, IFP 12-32,
 FFP 58-76; HSH 1751-1728.

DST #2 - Tested 3677-3719'. 45-45-45-45.
 Blow Strong, gas to surface in 45". Recovered
 720' clean gassy oil. Pressures: ISIP 909,
 FSIP 883, IFP 100-142, FFP 192-234, HSH 1902-
 1880.

DST #3 - Tested 3719-3753'. 45-45-20-20.
 Blow weak, died in 35". Recovered 35' mud.
 Pressures: ISIP 402, FSIP 182, IFP 36-36,
 FFP 36-36, HSH 1851-1831.

DST #4 - Tested 3923-3965'. 45-45-30-30.
 Blow weak. Recovered 20' mud. Pressures:
 ISIP 83, FSIP 75, IFP 48-60, FFP 60-60,
 HSH 1972-1951.

Name	Top	Bottom
Anhydrite	882	+1082
Heebner	3403	-1439
Toronto	3425	-1461
Douglas	3444	-1480
Brown Lime	3534	-1570
Lansing	3544	-1580
Base Kansas City	3776	-1822
Conglomerate	3864	-1910
Conglomerate Chert	3881	-1927
Viola	3907	-1953
Simpson Shale	3991	-2027
Simpson Sand	4006	-2042
Arbuckle	4044	-2080
Rotary Total depth	4080	-2116
Log Total Depth	4076	-2112

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	# sacks used	type and percent additives
Surface	12 1/4"	8 5/8"	23#	302	50-50 poz	235	2% gel., 3% C.C.
Production	7 7/8"	5 1/2"	14-15.5	3815	50-50 poz	125	2% gel., 18% salt

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	3702-3708	250 gallons 15% CHA-Fe	
2	3686-3690	250 gallons 15% CHA-Fe	
2	3665-3669	250 gallons 15% CHA-Fe	

TUBING RECORD

size 2 3/8" set at 3750 packer at none Liner Run Yes No

Date of First Production	Producing method	Oil	Gas	Water	Gas-Oil Ratio	Gravity
5-17-88	<input type="checkbox"/> flowing <input checked="" type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)	80 Bbls	0 MCF	0 Bbls	CFPB	26.7

METHOD OF COMPLETION

PRODUCTION INTERVAL

Disposition of gas: vented sold used on lease
 open hole perforation other (specify)
 Dually Completed. Commingled

..3702-08.....
 3686-90
 3665-69