

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 254 West Second - P. O. Box 120  
City/State/Zip Hoisington, Kansas 67544

Operator Contact Person Mark Boger  
Phone 316-653-7341 or 316-653-2100

Contractor license # 9421  
name Boger Brothers Drilling, Inc.

Wellsite Geologist Steve Mitchell  
Phone 316-653-7341

Designate Type of Completion  
 New Well  Re-Entry  Workover

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

If OWVO: old well info as follows:

Operator .....  
Well Name .....  
Camp. Date ..... Old Total Depth .....

WELL HISTORY

Drilling Method:  Mud Rotary  Air Rotary  Cable  
11-27-84 12-3-84 12-4-84  
Spud Date Date Reached TD Completion Date

3440  
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 392 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 - 009-23,761-00-00

County Barton

C-W/2 NE NW Sec 5 Twp 16 Rge 13  
(location)

4620 Ft North from Southeast Corner of Section  
3630 Ft West from Southeast Corner of Section  
(Note: locate well in section plat below)

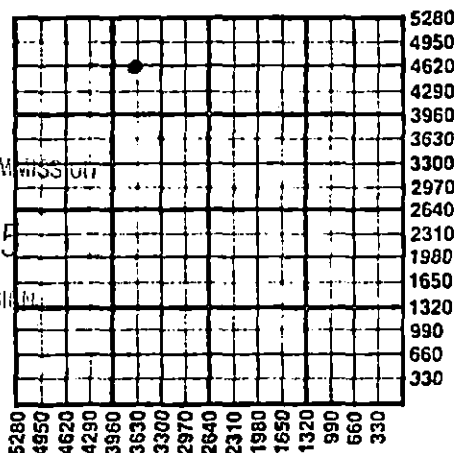
Lease Name Bitter Well# 1

Field Name Trapp

Producing Formation Arbuckle

Elevation: Ground 1887 KB 1892

Section Plat



RECEIVED  
STATE CORPORATION COM  
MAR 14 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 4950 ..... Ft North From Southeast Corner and  
(Stream, Pond etc.) 2970 ..... Ft West From Southeast Corner  
Sec 35 Twp 15 Rge 13  East  West

Other (explain) .....  
(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 slide 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 Marcus L. Boger  
Title President Date 3-7-85

Subscribed and sworn to before me this 7 day of March 19 85

Notary Public P. Earlene Boger  
Date Commission Expires  
NOTARY PUBLIC - State of Kansas  
P. EARLENE BOGER  
My Appt. Exp. 5/13/85

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 supercedes previous forms ACO-1 & C-10)

Sec. 5 Twp. 16 Rge. 13

Operator Name **Boger Bros. Drlg, Inc.** Lease Name **Bitter** Well# **1** SEC **5** TWP. **16** RGE. **13**  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 3104'-3143' Lansing. 45"-30"-45"-30".**  
**BLOW: I.F. - 4" decreasing to weak.**  
**F.F. - weak 1/2"**  
**RECOVERY: 195' Slightly oil specked mud with gas show. PRESSURES: IHP:1571# FHP:1560# IFP:132-121# FFP:132-121# ISIP:Tool failure FSIP:330# T:116° F.**  
**DST #2 3315'-3338' Arbuckle. 30"-30"-15"-15".**  
**BLOW: I.F. - blow died in 15", flushed tool with no help. F.F. - no blow, flushed tool with no help.**  
**RECOVERY: 20' mud with oil specks on top of tool. PRESSURES: IHP:1711# FHP:1690# IFP:23-30# FFP:30-34# ISIP:30# FSIP:34# T:111° F**  
**DST #3 3314'-3343' Arbuckle. 45"-30"-45"-30".**  
**BLOW: I.F. - fair; 1 1/2" decreasing to 1".**  
**F.F. - weak; 1 1/2" decreasing to 1/4". RECOVERY: 20' clean oil, 110' heavy oil cut mud (20% oil, 80% mud). PRESSURES: IHP:1711# FHP:1690# IFP:35-58# FFP:70-81# ISIP:639# FSIP:550# T:112° F**

Name	Top	Bottom
ANHYDRITE	863'	(+1029)
HEEBNER	3309'	(-1117)
TORONTO	3025'	(-1133)
DOUGLAS	3039'	(-1147)
IATAN	3082'	(-1190)
LANSING	3094'	(-1202)
BASE K.C.	3328'	(-1436)
ARBUCKLE	3333'	(-1441)
RID-LTD	3440'	(-1548)

CASING RECORD <input checked="" 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	14 3/4	10 3/4	32#	392	50/50 poz	300	2%CC, 3% Gel
Production	8 3/4	7"	29#	3417	60/40 poz	150	
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	3336-40			2,000 Gallon 15% NE FS			3340
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Producing method					
3-2-85		<input type="checkbox"/> flowing <input checked="" 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		
18			300				
	Bbls	MCF	Bbls	CFPB			

Disposition of gas:  vented  sold  used on

METHOD OF COMPLETION  open hole  perforation  other (specify)

PRODUCTION INTERVAL 3336

Dually Completed.  Commingle

