

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, KANSAS 67530

Operator Contact Person MARK BOGER  
Phone 316/792-8151

Contractor: license # same  
name

Wellsite Geologist STEVEN 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  
10/24/85 10/29/75 11/14/85  
Spud Date Date Reached TD Completion Date

3765 3675  
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 534 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. 15-009-24074-0000

County BARTON

NW NW NW Sec. 26 Twp. 20 Rge. 15 X West

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

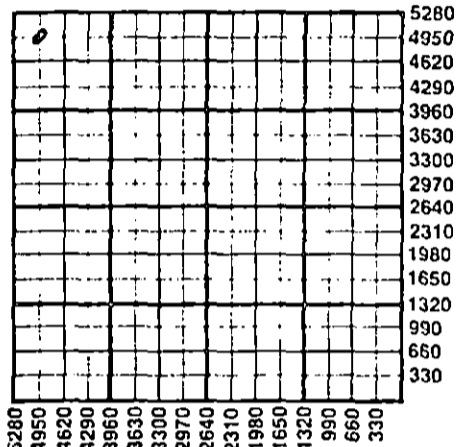
Lease Name GRABER Well# 1-26

Field Name BERGTAL South

Producing Formation ARBUCKLE

Elevation: Ground 1937 KB 1942

Section Plat



WATER SUPPLY INFORMATION

Source of Water:  
Division of Water Resources Permit # T-85900

Groundwater 4900 Ft North From Southeast Corner and  
(Well) 4960 Ft. West From Southeast Corner of  
Sec 26 Twp 20 Rge 15  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:  Disposal  Repressuring

Docket # 024-138

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.

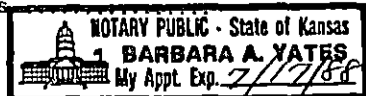
One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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 1/17/86

Subscribed and sworn to before me this 17th day of January 19 86

Notary Public Barbara A. Yates  
Date Commission Expires



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)  
RECEIVED  
STATE CORPORATION COMMISSION

Form ACO-1 (This form supercedes previous forms ACO-1 & C-10) JAN 30 1986

**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

Name Top Bottom

DST #1 - Arbuckle, 3652'-3666'. TIMES: 30"-45"-30"-75"  
 BLOW: I.F. - Gas to surface in 3", F.F. - Fluid to surface in 23", RECOVERY: 180' Clean gassy oil - 120' Oil & gas cut water (12% oil, 19% gas, 69% water) 840' Slightly oil & gas cut water (2% oil, 23% gas, 75% water), 420' Salt water. PRESSURES: IHP: 1763# FHP: 1714#, IEP: 510-614#, FFP: 739-906#, ISIP: 1135#, FSIP: 1135" T: 124°F

|           |                |  |
|-----------|----------------|--|
| HEEBNER   | 3236' (-1294') |  |
| TORONTO   | 3251' (-1309') |  |
| DOUGLAS   | 3266' (-1324') |  |
| IATAN     | 3332' (-1390') |  |
| LANSING   | 3343' (-1401') |  |
| BASE K.C. | 3575' (-1633') |  |
| CONGL.    | 3590' (-1648') |  |
| ARBUCKLE  | 3543' (-1701') |  |

| 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   | 13-1/2"           | 10-34"                    | 40             | 534           | 60/40 poz      | 325          | 2%-3% cc                   |
| Production  | 8-3/4"            | 7"                        | 26             | 3720          | 60/40 poz      | 150          | 2%-3% cc                   |

| 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                  | 3649-51 3653-56<br>2659-63                  | 500 Gal. 15% FE                             |       |

|   |   |
|---|---|
| <b>TUBING RECORD</b> size 2-7/8 set at 3705 packer at | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
|---|---|

|                          |  |
|--------------------------|--|
| Date of First Production | Producing method <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 21 Bbls | Gas MCF | Water 450 Bbls | Gas-Oil Ratio | Gravity |
|-----------------------------------|-------------|---------|----------------|---------------|---------|

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

**PRODUCTION INTERVAL**  
 3649-51  
 3653-56  
 3659-63

BOGER BROTHERS DRILLING  
 1001 W. 10th St.  
 OKLAHOMA CITY, OKLAHOMA 73101