

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, KS 67530
City/State/Zip

Operator Contact Person Dale Smith
Phone 316-792-8151

Contractor: license # 9421
name Boger Brothers Drilling, Inc.

Wellsite Geologist Jim Musgrove
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
3-22-88 3-30-88 3-30-88
Spud Date Date Reached TD Completion Date

3407' PBT
Total Depth

Amount of Surface Pipe Set and Cemented at 430' 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. 15-009-24,305

County Barton

NE SW SE Sec. 15 Twp. 16 Rge. 11 West

990 Ft North from Southeast Corner of Section
1650 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

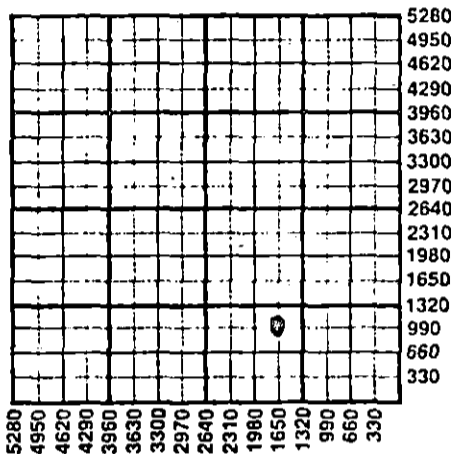
Lease Name Esfeld Well# 1

Field Name

Producing Formation Dry

Elevation: Ground 1874 KB 1879'

Section Plat



WATER SUPPLY INFORMATION

Source of Water:
Division of Water Resources Permit #

Groundwater Ft North From Southeast Corner and Ft. West From Southeast Corner of Sec Twp Rge East West

Surface Water 990 Ft North From Southeast Corner and 1650 Ft West From Southeast Corner Sec 15 Twp 16 Rge 11 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 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-111 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

RECEIVED
STATE CORPORATION COMMISSION

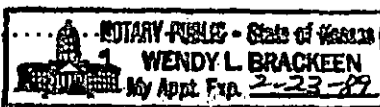
APR 13 1988

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 Dale L. Smith
Title Drilling Superintendent Date 4-12-88

Subscribed and sworn to before me this 12th day of April 19 88

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



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)
4-13-88

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

Sec. 15 Twp 16 Rge 11 West

Operator Name Boger Brothers Drilling Lease Name Esfeld Well# 11 SEC. 15 TWP. 16 RGE. 11 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

| Name | Top | Bottom |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|
| DST #1 - Tested 2835-2858'. 15-15-15-15. Recovered .15' mud with weak blow. ISIP 402, FSIP 402, IFP 16-16, FFP 16-16, HSH 1406-1400. | | |
| Anhydrite | 698 | +1181 |
| Topeka | 2576 | -697 |
| Heebner | 2905 | -1026 |
| Toronto | 2923 | -1044 |
| DST #2 - Tested 3028-3100'. 30-30-30-30. Recovered 375' muddy water, fair blow. ISIP 605, FSIP 588, IFP 142-184, FFP 234-293, HSH 1610-1580. | | |
| Douglas | 2937 | -1058 |
| Brown Lime | 3001 | -1122 |
| Lansing | 3014 | -1135 |
| Base Kansas City | 3298 | -1419 |
| Conglomerate | 3309 | -1430 |
| Arbuckle | 3335 | -1456 |
| Rotary Total Depth | 3407 | -1528 |
| Log Total Depth | 3408 | -1529 |
| DST #3 - Tested 3143-3208'. 45-45-45-45. Recovered 105' slightly oil cut mud, weak blow. ISIP 109, FSIP 101, IFP 50-50, FFP 59-59, HSH 1596-1581. | | |
| DST #4 - Mis-run. | | |
| DST #5 - Tested 3340-3347'. 45-45-45-45. Recovered 30' slightly oil cut mud, 30' free oil. Weak blow. ISIP 942, FSIP 867, IFP 16-16, FFP 24-24, HSH 1658-1649. | | |
| DST #6 - Tested 3344-3351'. 45-45-45-45. Recovered 30' oil, 40' muddy water, 5' oil cut mud. Weak blow. ISIP 900, FSIP 822, IFP 16-25, FFP 30-40, HSH 1649-1632. | | |
| DST #7 - Tested 3351-3357'. 30-30-30-30- Recovered 725' water, good blow. ISIP 883, FSIP 875, IFP 57-168, FFP 210-318, HSH 1650-1612. | | |

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 | 20# | 430 | .60-40 poz. 4% gel, 3% G.C. | 195 | |

PERFORATION RECORD

shots per foot specify footage of each interval perforated

Acid, Fracture, Shot, Cement Squeeze Record

(amount and kind of material used) Depth

| shots per foot | specify footage of each interval perforated | (amount and kind of material used) | Depth |
|----------------|---------------------------------------------|------------------------------------|-------|
| | | | |
| | | | |
| | | | |
| | | | |

TUBING RECORD

size set at packer at Liner Run Yes No

Date of First Production D & A Producing method flowing pumping gas lift Other (explain)

| Estimated Production Per 24 Hours | Oil | Gas | Water | Gas-Oil Ratio | Gravity |
|-----------------------------------|------|-----|-------|---------------|---------|
| | Bbls | MCF | Bbls | CFPB | |

Disposition of gas: vented
 sold
 used on lease

METHOD OF COMPLETION

open hole perforation
 other (specify)
 Dually Completed.
 Commingled

PRODUCTION INTERVAL

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