

RELEASED

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION OR RECOMPLETION FORM  
FROM CONFIDENTIAL  
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 5140  
Name Frontier Oil Company  
Address 125 N. Market, Ste. 1720  
Wichita, Kansas 67202  
City/State/Zip

Purchaser N/A

Operator Contact Person Jean Angle  
Phone 316-263-1201

Contractor: License # 5302  
Name Red Tiger Drilling Co

Wellsite Geologist Richard D. Parker  
Phone 913-483-5348

Designate Type of Completion

X New Well Re-Entry Workover  
Oil SWD Temp Abd  
Gas Inj Delayed Comp.  
X Dry Other (Core, Water Supply etc.)

If OWNO: old well info as follows:

Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

X Mud Rotary Air Rotary Cable

8-5-86 8-14-86 8-15-86  
Spud Date Date Reached TD Completion Date

4300 N/A  
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 249 feet  
Multiple Stage Cementing Collar Used? Yes X No  
If yes, show depth set feet  
If alternate 2 completion, cement circulated from feet depth to w/SX cmt  
Cement Company Name  
Invoice #

SIDE ONE

S

API NO. 15-179-20,867

County Sheridan

NE SE Sec 31 Twp 8 Rge 30W East X West

1980 Ft North from Southeast Corner of Section  
660 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

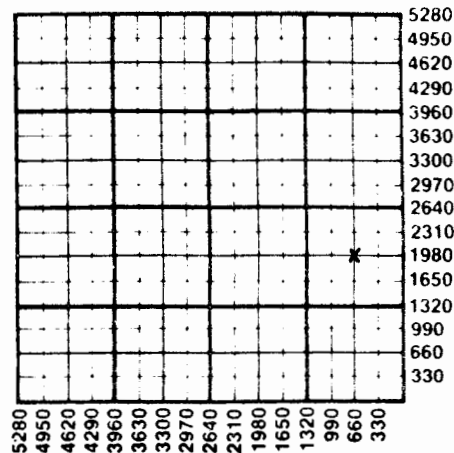
Lease Name Mannebach Well # 1

Field Name WC

Producing Formation N/A

Elevation: Ground 2947 KB 2952

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: N/A Disposal  
Docket # Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water: John Mannebach, Colby, KS.  
Division of Water Resources Permit # 86-287

X Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner of SE/4 Sec 31 Twp 8S Rge 30W East X West

Surface Water Ft North from Southeast Corner (Stream, pond etc) Ft West from Southeast Corner Sec Twp Rge East West

Other (explain) (purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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.

8/25/87  
31-8-30W KC Ind

Operator Name Frontier Oil Company ..... CONFIDENTIAL ..... Well # 1

Sec 31 Twp 8S Rge 30W [ ] East [x] West County Sheridan

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 [x] No
Samples Sent to Geological Survey [x] Yes [ ] No
Cores Taken [ ] Yes [x] No

Formation Description
[ ] Log [x] Sample

Table with 3 columns: Name, Top, Bottom. Rows include Anhydrite, Tarkio, Topeka, Heebner, Toronto, Lansing-Kansas City, Base of Kansas City, and RTD.

CASING RECORD [x] New [ ] Used
Report all strings set-conductor, surface, intermediate, production, etc.
PERFORATION RECORD
Acid, Fracture, Shot, Cement Squeeze Record
TUBING RECORD
Date of First Production Producing Method [ ] Flowing [ ] Pumping [ ] Gas Lift [ ] Other (explain)