

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

S

API NO. 15-179-20,867-00-00

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)

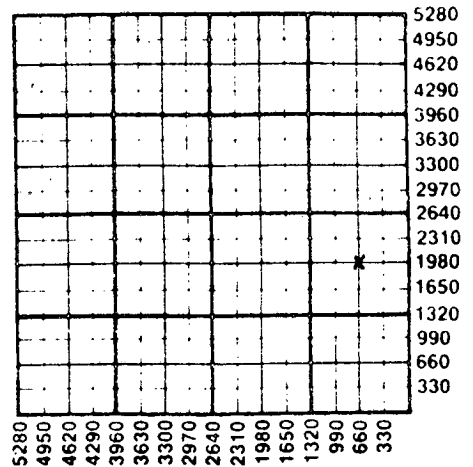
Lease Name..... Mannebach Well #..... 1

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. #)

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 OWWO: 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 PBTD

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 #

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.

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 Jean Angle
Title Agent Date 8-21-86

Subscribed and sworn to before me this 21st day of August 1986
Notary Public D'Ann Drennan
Date Commission Expires 2-10-90



K.C.C. OFFICE USE ONLY
E Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
KGC SWD/Rep NGPA
KGS Plug Other (Specify)

Rec'd 08-25-86

Sec. 31 Twp. 8 S. Rge. 30 W

Operator Name Frontier Oil Company Lease Name Mannebach Well # 1

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Sec 31 Twp 8S Rge 30W East 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.

Table with 8 columns: 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. Row 1: Surface, 12 1/4", 8 5/8", 20#, 249, 60-40 pod, 180, 2% gel, 3% C.C.

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

Table with 4 columns: 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 Producing Method [] Flowing [] Pumping [] Gas Lift [] Other (explain)

Table with 5 columns: Oil, Gas, Water, Gas-Oil Ratio, Gravity. Includes 'Estimated Production Per 24 Hours' and 'RELEASED SEP 16 1987 FROM CONFIDENTIAL'.

METHOD OF COMPLETION

Production Interval

Disposition of gas: [] Vented [] Sold [] Used on Lease [] Open Hole [] Perforation [] Other (Specify) [] Dually Completed [] Commingled

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SEP 16 1987