

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 # 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 Company

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

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

If **OWD**: old well info as follows:  
Operator  
Well Name  
Comp. Date  
Old Total Depth

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
10-4-88 10-14-88 N/A 10-14-88  
Spud Date Date Reached TD Completion Date  
4700 N/A  
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 285 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  
Cement Company Name  
Invoice # Plr 5 Dg A

API NO. 15-109-20465-00-00  
County Logan  
SW SW NE NE Sec. 20 Twp 11 Rge. 33W East X West  
2970 Ft North from Southeast Corner of Section  
2310 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

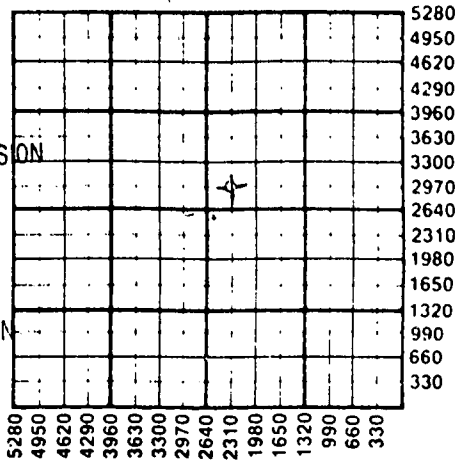
Lease Name Vogler Well # 1

Field Name WC

Producing Formation N/A

Elevation: Ground 3136 KB 3141

Section Plat



RECEIVED  
STATE CORPORATION COMMISSION

NOV 10 1988  
11-10-1988

CONSERVATION DIVISION  
Wichita, Kansas

WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  
Docket #  Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717 Box 698  
Source of Water: Mr. Jack Wasse Miller, Monument, KS  
Division of Water Resources Permit # Unknown 67747

Groundwater 5000 Ft North from Southeast Corner  
(Well) 4500 Ft West from Southeast Corner of  
Sec 13 Twp 10 Rge 33W ~~33E~~  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.

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 A. Angle  
Title Owner Date Nov 9, 1988

Subscribed and sworn to before me this 9th day of November, 1988  
Notary Public D. Anne Drennan

Date Commission Expires 2-10-90



K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Drillers Time Log Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
(Specify)  
11-10-88  
Form ACO-1 (5-86)

Sec 20 Twp 11 Rge 33W

Operator Name Frontier Oil Company Lease Name Vogler 1

Sec. 20 Twp. 11S Rge. 33W County Logan 3-7-1990 MAR. 07 1990

CONFIDENTIAL

FROM CONFIDENTIAL

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. No log run.

Drill Stem Tests Taken [X] Yes [ ] No
Samples Sent to Geological Survey [X] Yes [ ] No
Cores Taken [ ] Yes [X] No

Formation Description [ ] Log [X] Sample

DST #1 (4039-4080) 60-30-30-30. 1st op - fair blo dec. to wk blo. 2nd op - wk blo. Rec. 745' MSW IF 83-270 FF 301-353 ISIP 829 FSIP 849

Table with 3 columns: Name, Top, Bottom. Rows include Anhydrite, Heebner, Toronto, Lansing-Kansas City, Stark Shale, Base of Kansas City, Pawnee, Fort Scott, Lower Cherokee, Johnson, Basal Sand, RTD.

DST #2 (4141-4184) 60-30-30-30 1st op - strong blo 2nd op - good blo. Rec 2230' MSW. IF 155 -1010 FF 1060-1170 ISIP 1251 FSIP 1271

DST #3 (4214-4256) 60-3060-30. 1st op - wk inc. to gd blo. 2nd op - wk inc. to fair blo. Rec. 125' clear sulphur water IF 41-301 FF 332-457 ISIP 1170 FSIP 1130

DST#4 (4254-4310) 30-30-30-30. 1st op - wk blo 10" 2nd op - no blo. Rec. 10' OCM IF & FF 31-31 ISIP 669 FSIP 104

DST#5 (4576-4665) 30-30-30-30. 1st op - wk blo 2nd op - no blo. Rec. 10' M IF 62-72 FF 72-72 ISIP 1001 FSIP 919

CASING RECORD [ ] New [X] 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 1/2", 8 5/8", 20#, 285, 60-40 Poz, 190, 2% gel, 3% CC

PERFORATION RECORD. Shots Per Foot N/A. Specify Footage of Each Interval Perforated. Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth.

TUBING RECORD Size Set At Packer at Liner Run [ ] Yes [ ] No

Date of First Production N/A Producing Method [ ] Flowing [ ] Pumping [ ] Gas Lift [ ] Other (explain)

Table with 5 columns: Oil, Gas, Water, Gas-Oil Ratio, Gravity. Estimated Production Per 24 Hours. Includes handwritten signature and 'D' mark.

METHOD OF COMPLETION Production Interval

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