

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.....
Phone913-263-1201.....

Contractor: License # ...5302.....
Name Red Tiger Drilling Co.....

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 OWNO: old well info as follows:
Operator ..
Well Name ..
Comp. DateOld Total Depth.....

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

.5-5-87.... .5-13-87.... .5-14-87....
Spud Date Date Reached TD Completion Date
4220N/A.....
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at.....255' 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 # ..

API NO. 15-.....179-20,892-00-00.....
County.....Sheridan.....
NE NE SE Sec. 3 Twp. 9S Rge. 29W East West

.....2310 Ft North from Southeast Corner of Section
.....330 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

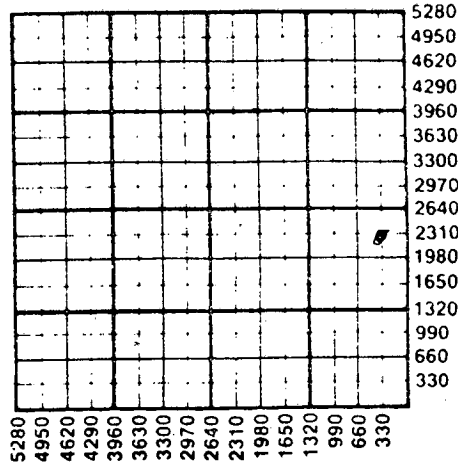
Lease Name.....Reitcheck.....Well #.....2.....

Field Name.....WC.....

Producing Formation.....N/A.....

Elevation: Ground.....2820.....KB.....2825.....

Section Plat



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

Source of Water:
Division of Water Resources Permit #...87-165.....

Groundwater 1900...Ft North from Southeast Corner
(Well) ..400..Ft West from Southeast Corner of
Sec 3 Twp 9S Rge 29 ~~28~~ 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 Angle*.....
Title.....Agent..... Date ..6-8-87.....

Subscribed and sworn to before me this ..8th day of...June.....
19..87...
Notary Public.....*Daniel Drennan*.....
Date Commission Expires.....2-10-89.....

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received
REGISTRATION
STATE CORPORATION COMMISSION NGPA
KGS Plug Other
JUN 10 1987 (Specify)
66-10-1987
Wichita Kansas

Sec. 3, Twp. 9, Rge. 29W

Check \$100⁰⁰ 5-1-87
T 87-165
sa.

15-179-20892-00-00
APPLICATION FOR TEMPORARY PERMIT

R15 8 - Sheridan
F.O.E. - 2 Reiteck

TO USE GROUNDWATER
 TO USE SURFACE WATER
(check one)



Area 3
GMD 4

Submit To:
CHIEF ENGINEER-DIRECTOR
Division of Water Resources
Kansas State Board of Agriculture
109 SW Ninth Street
Topeka, KS 66612-1283



THE STATE OF KANSAS

MAY 15 1987

CONSERVATION DIVISION
Wichita, Kansas

A STATUTORY FILING FEE OF \$100.00 MUST ACCOMPANY THIS APPLICATION
(Make check payable to the Division of Water Resources.)

(1) APPLICANT
NAME Frontier Oil Co.
STREET 125 N. Market, Ste. 1720
RURAL ROUTE _____
CITY Wichita, Kansas 67202
(state) (zip)
TELEPHONE NO 316-263-1201
(area code)

(4) OWNER OF LAND UPON WHICH POINT OF DIVERSION IS LOCATED:
Gary Reiteck No. 1, N.S.
IF OTHER THAN APPLICANT, SUBMIT STATEMENT SHOWING OWNER'S PERMISSION TO INSTALL DIVERSION WORKS HAS BEEN OBTAINED.
Oil Gas lease

(2) LOCATION OF POINT OF DIVERSION
Sec. 3, Twp. 9, Rng. 29, (W),
Sheridan County, Kansas.

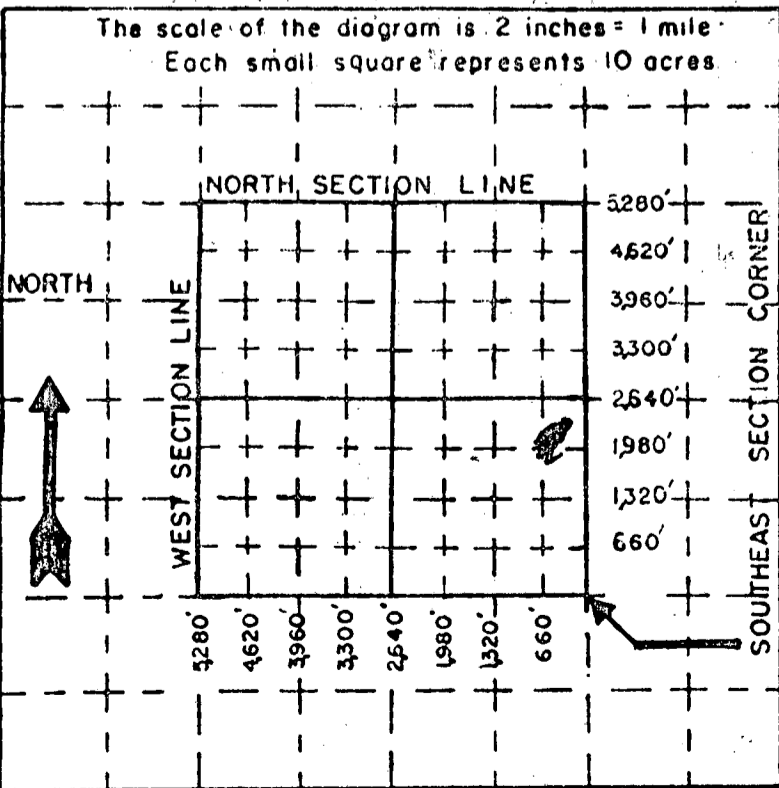
(5) WATER IS TO BE USED FOR:
Oilfield Drilling
Oil Gas Test Well
Rotary Rig
(briefly describe proposed use)

DISTANCE FROM SOUTHEAST CORNER OF SECTION:
1900 FT. NORTH FROM SOUTHEAST CORNER
400 FT. WEST FROM SOUTHEAST CORNER

(6) LOCATION OF PLACE OF USE:
NE NE SE
3-9-29
Sheridan Co

(3) WATER USE DATA
PROPOSED MAX. PUMPING RATE (gpm) 50
AMOUNT REQUESTED (gallons) 200,000
(not to exceed one million gallons)
DEPTH OF WELL (feet) 140, or
NAME OF STREAM W

(7) PERIOD OF USE - (6 months max.)
5-5-87
(commencing - date)
6-5-87
(ending date)



(8) LOCATION OF THE PROPOSED POINT OF DIVERSION SHALL BE INDICATED ON THE DIAGRAM TO THE LEFT. USE THE CENTER SECTION.

IF SURFACE WATER, INDICATE ON THE DIAGRAM THE COURSE OF THE STREAM, AND ITS NAME.
Confirmed by telephone call the supply well is 80 + 100 feet south of oil exploration well where water used. Location to be described as feet description would indicate SE 1/4 NE 1/4 SE 1/4 of sec 3
Larry sheets 5-4-87

(9) FOR GROUNDWATER USE, LIST BELOW ALL WELLS WITHIN 1/4 MILE OF THE PROPOSED WELL, AND PLOT LOCATIONS UPON THE DIAGRAM ON REVERSE SIDE. IF ADDITIONAL SPACE IS NEEDED, ATTACH SHEET.

OTHER WELLS -

Well A OWNER(S): None
ADDRESS : _____

Well B OWNER(S): _____
ADDRESS : _____

Well C OWNER(S): _____
ADDRESS : _____

(10) FOR SURFACE WATER USE, LIST BELOW THE NAMES AND ADDRESSES OF ALL LAND-OWNERS FROM A POINT ONE-HALF MILE UPSTREAM TO A POINT ONE-HALF MILE DOWNSTREAM OF THE TRACT OF LAND UPON WHICH THE POINT OF DIVERSION IS LOCATED. IF ADDITIONAL SPACE IS NEEDED, ATTACH SHEET.

TRACT A OWNER(S): _____
ADDRESS : _____

TRACT B OWNER(S): _____
ADDRESS : _____

TRACT C OWNER(S): _____
ADDRESS : _____

(11) THE APPLICANT STATES THAT THE INFORMATION SET HEREON IS TRUE AND ACCURATE TO THE BEST OF HIS/HER KNOWLEDGE.

SIGNATURE OF APPLICANT or AUTHORIZED REPRESENTATIVE
Clayton Engel
Manager TITLE *Heavy Tank Svc*
DATE 4-30-87

DO NOT WRITE BELOW THIS LINE

CONDITIONS OF APPROVAL:

THE APPLICANT SHALL MAINTAIN RECORDS FROM WHICH THE QUANTITY OF WATER ACTUALLY DIVERTED MAY BE READILY DETERMINED.

THE USE OF WATER HEREIN AUTHORIZED SHALL NOT IMPAIR ANY USE UNDER EXISTING WATER RIGHTS NOR PREJUDICALLY AND UNREASONABLY AFFECT THE PUBLIC INTEREST.

The point of diversion authorized by the approval of this application for temporary permit is more particularly described as being located in the Southeast Quarter of the Northeast Quarter of the Southeast Quarter (SE 1/4 NE 1/4 SE 1/4) of Section 3, Township 9 South, Range 29 West, Sheridan County, Kansas.

APPLICATION APPROVED

PERMIT NUMBER 787-165
DATE ISSUED May 4-87
EXPIRATION DATE June 5-87

Steve Ellis Hydrologist
for David L. Pope, P.E.
Chief Engineer - Director
Division of Water Resources
Kansas State Board of Agriculture

5179-20892-00-00

SIDE TWO

Operator Name Frontier Oil Company Lease Name Reitcheck Well # 2

Sec 3 Twp 9S Rge 29W East Sheridan

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.

Drill Stem Tests Taken [X] Yes [] No
Samples Sent to Geological Survey [] Yes [X] No
Cores Taken [] Yes [X] No
DST#1 (3898-3930) 60-30-60-30. 1st op - wk blo inc. to gd blo in 35". 2nd op - wk inc. to gd blo in 1 hr. Rec. 626' fluid (50' O, 192' OCM, 128' OCWM, 64' WM, 192' W. IF 54-164 FF 206-282 ISIP 1190 FSIP 1180
DST#2 (3954-3974) 30-30-30-30. 1st op - wk blo. 2nd op - no blo. Rec. 5' M w/few spks O. IF 20-10 FF 10-10 ISIP 445 FSIP 163
DST #3 (3994-4018) 60-30-30-30. 1st op - wk blo TO. 2nd op - wk blo TO. Rec. 168' fluid. (1 cup free oil on top of tool, 40' O spotted M, 64' M, 64' WM. IF 21-43 FF 65-65 ISIP 900 FSIP 846
DST #4 (4106-4134) 30-30-30-30. 1st op - wk blo for 15" 2nd op - no blo. Rec. 2' M IF & FF 32-32 ISIP 42 FSIP 42

Formation Description table with columns: Name, Top, Bottom. Rows include Anhydrite, Howard, Topeka, Heebner, Toronto, Lansing-KC, Base of KC, RTD.

RELEASED JUL 13 1988 FROM CONFIDENTIAL

CASING RECORD, PERFORATION RECORD, TUBING RECORD, Date of First Production, Estimated Production Per 24 Hours

METHOD OF COMPLETION, Disposition of gas, Production Interval