

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 Koch Oil Company
Wichita, Kansas 67202

Operator Contact Person Mrs. Jean Angle
Phone 316-263-1201

Contractor: License # 5302
Name Red Tiger Drilling Co.

Wellsite Geologist Richard D. Parker
Phone 931-483-5348

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If OWWO: old well info as follows:

Operator
Well Name
Comp. Date
Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

8-26-88 9-1-88 10-1-88
Spud Date Date Reached TD Completion Date

3590 N/A
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 278 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 #

AK I

API NO. 15-185-22,543:0000

County Stafford

NE NE SW Sec 14 Twp 21 S Rge 12 W East West

2310 Ft North from Southeast Corner of Section
2970 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

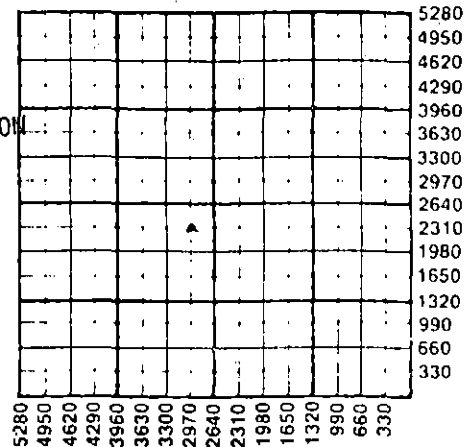
Lease Name Widener Well # 1

Field Name Sandra

Producing Formation Arbuckle

Elevation: Ground 1846 KB 1851

Section Plat



RECEIVED
STATE CORPORATION COMMISSION

OCT 17 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

Source of Water: 88-
Division of Water Resources Permit # 435

Groundwater 2500 Ft North from Southeast Corner
(Well) 3000 Ft West from Southeast Corner of
Sec 14 Twp 21 Rge 12W East 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 10-14-88

Subscribed and sworn to before me this 14th day of October 1988
Notary Public Ann D. Brennan
Date Commission Expires 2-10-90

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)
10-17-88

Sec 14 Twp 21 Rge 12W

Operator Name Frontier Oil Company Lease Name Widener No. 1

MAR 07 1990

Sec. 14 Twp. 21 Rge. 12W County Stafford FROM CONFIDENTIAL

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 [] Yes [X] No
Cores Taken [] Yes [X] No

Formation Description [] Log [X] Sample

DST #1 (3244-3310) 30-30-30-30 1st op - wk blo
2nd op - wk blo. Rec. 10' Oil Spkd M IF 31-31
FF 41-43 ISIP 78 FSIP 52
DST #2 (3386-3432) 30-30-30-30. 1st op - wk blo for
25'. 2nd op - no blo. Rec. 10' M w/few spks O
IF & FF 20-20 ISIP 52 FSIP 36
DST #3 (3572-3580) 60-30-60-30. 1st - wk blo inc. to
fair 2nd op - fair blo inc. to gd blo.
Rec. 750' GIP, 150' MGO IF20-36 FF 57-72 ISIP 869
FSIP 208
DST #4 (3580-3590) 60-30-30-30. 1 st op - wk inc.
to fair blo. 2nd op - wk blo. Rec. 220' GIP, 40'
OCGM, 100' MGO IF 41-52 FF52-57 ISIP 656
FSIP 604

Table with 3 columns: Name, Top, Bottom. Rows include Anhydrite, Topeka, Heebner, Toronto, Douglas, Brown Lime, Lansing, Base Of Kansas City, Conglomerate, Simpson Shale, Arbuckle, and RTD.

CASING RECORD, PERFORATION RECORD, TUBING RECORD, and production data table. Includes fields for Purpose of String, Size Hole, Weight, Setting Depth, Type of Cement, #Sacks Used, Type and Percent Additives, Shots Per Foot, Producing Method, and Estimated Production.

METHOD OF COMPLETION

Production Interval

Disposition of gas: [] Vented [X] Open Hole [] Perforation
[] Sold [] Other (Specify)
[] Used on Lease
[] Dually Completed [] Commingled
3572-3590

Frontier Oil Company
1720 Kansas State Bank Bldg.
Wichita, Kansas 67202

Frontier Oil Company
No. 1 Widener
NE NE SW
Sec. 14-21-12W
Stafford County, Kansas

RELEASED
MAR 07 1990
KRM GAS CONFIDENTIAL

Dear Sir:

The following is a Geological Report with a Time Log attached on the above captioned well.

Drilling was supervised from 2700' to 3590', rotary total depth. Samples were examined from 2700' to rotary total depth.

All formation tops, zones of porosity and staining are based on rotary bushing measurements. Any corrections in measurements during the drilling of this well have been incorporated into this report.

Elevation (American Elevations)	1848 DF --	1851 KB
Anhydrite	617	+1234
Topeka	2810	- 959
Heebner	3099	-1248
Toronto	3120	-1269
Douglas	3132	-1281
Brown Lime	3235	-1384
Lansing	3249	-1398
Base of Kansas City	3471	-1620
Conglomerate	3480	-1629
Simpson Shale	3564	-1713
Arbuckle	3571	-1720
RTD	3590	-1739
4½" Pipe at	3572	-1721

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STATE CORPORATION COMMISSION

OCT 17 1983

CONSERVATION DIVISION
Wichita, Kansas

Structurally on top of the Lansing, the No. 1 Widener ran 6' low to the Virginia Drilling Company's No. 1 Grow located one location north. On top of the Arbuckle the No. 1 Widener ran 18' low to the No. 1 Grow.

ZONES OF INTEREST

TOPEKA (Top 2810)

No zones in the Topeka had any show of oil or odor.