

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, Ks. 67202  
City/State/Zip

Operator Contact Person Jean Angle  
Phone 316-263-1201

Contractor: license # 5302  
name Red Tiger Drilling Company

Wellsite Geologist Steven D. Angle  
Phone 913-628-2586

PURCHASER Northern Gas Products Company

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  
2-10-84 2-20-84 7-13-84  
Spud Date Date Reached TD Completion Date  
3730' N/A  
Total Depth PBTD  
Amount of Surface Pipe Set and Cemented at 1220.44' 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

API NO. 15 165-21,180-00-00  
County Rush  
SW SE SE Sec 14 Twp 17S Rge 18W West  
(location) 330 Ft North from Southeast Corner of Section  
990 Ft West from Southeast Corner of Section  
(Note: locate well in section plat below)

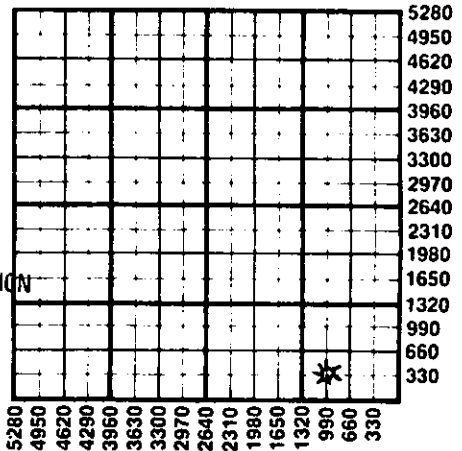
Lease Name Wilson "A" Well# 1

Field Name Ficken Ext.

Producing Formation Penn. Sand

Elevation: Ground 2088' KB 2093'

Section Plat



RECEIVED  
STATE CORPORATION COMMISSION  
07-16-1984  
JUL 16 1984  
CONSERVATION DIVISION  
Wichita, Kansas

WATER SUPPLY INFORMATION

Source of Water:  
Division of Water Resources Permit #  
 Groundwater Ft North From Southeast Corner and (Well) Ft. West From Southeast Corner of Sec Twp Rge  East  West  
 Surface Water Ft North From Southeast Corner and (Stream, Pond etc.) Ft West From Southeast Corner Sec Twp Rge  East  West  
 Other (explain) Purchased/Gilbert Legleiter, La Cross. (purchased from city, R.W.D.#)

Disposition of Produced Water:  Disposal  Repressuring  
Docket # CD-118236

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 82-3-130 and 82-3-107 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 George A. Angle  
Title Owner Date 7-13-84

Subscribed and sworn to before me this 13th day of July 1984

Notary Public Jean Angle  
Date Commission Expires

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



Sec 14 Twp 17S Rge 18W

Operator Name Frontier Oil Company Lease Name Wilson "A" Well# 1 SEC 14 TWP 17S RGE 18W  East  West

**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  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

DST 1 (1982-2050) 60-30-30-30 Fr to wk blo 1st op. No blo 2nd op. Rec 480' M. IF 335-335, FF 355-355, ISI 507 FSI 487.

DST 2 (3075-3110) 60-30-60-30 Strg blo both ops. Rec 380' MW. IF 53-106, FF 138-181, ISI 879, FSI 867.

DST 3 (3553-3585) 60-30-60-30 wk to gd blo both ops. Rec 250' MW, IF 21-74 FF 117-138, ISI 637 FSI 637.

DST 4 (3585-3685) 60-30-60-30 GTS 5". Avg gg. 5,842,000 CFGPD. Rec 5' OCM. IF 627-637 FF 690-658 ISI & FSI 1045.

RTD 3730'

Name	Top	Bottom
Anhydrite	1205	
Herrington	1996	
Winfield	2028	
Cottonwood	2437	
Neva	2497	
Red Eagle	2583	
Brownville Lime	2726	
Tarkio	2842	
Elmont	2895	
Topeka	3088	
Heebner	3334	
Toronto	3355	
Lansing-KC	3382	
Base KC	3608	
Sand	3677	
Granite Wash	3697	
Schist	3708	
RTD	3730	

CASING RECORD <input checked="" type="checkbox"/> new <input type="checkbox"/> used							
Report all strings set - conductor, surface, intermediate, production, etc.							
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
Surface Production	12-1/4" 7-7/8"	8-5/8" 4-1/2"	24# 10-1/2#	1227.78' 3729'	60-40 Poz Common	425 175	2% gel 3% cc. 10% Salt
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth
4	3678' - 3686'			N/A			
TUBING RECORD				N/A			
size	N/A	set at	packer at	Liner Run	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Date of First Production	Producing method						
7-13-84	<input checked="" type="checkbox"/> flowing <input type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	N/A	Approx. 7,500. MCF		N/A			
	Bbls		Bbls	CFPB			

Disposition of gas:  vented  
 sold  
 used on lease

**METHOD OF COMPLETION**  
 open hole  perforation  
 other (specify) .....

**PRODUCTION INTERVAL**

...3678!..to.3686!.....

Dually Completed.  
 Commingled

