KANSAS
State Geological Survey
WICHITA BRANCH

WELL COMPLETION REPORT AND DRILLER'S LOG

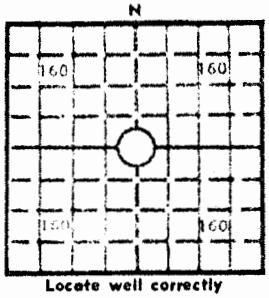
API No. 15 — 163 (County) — 21,163 (Number)

S. 21 T. 9S R. 18W E/W

Loc. C N/2 NW/4 NW/4

County Rooks

640 Acres



Locate well correctly

Elev.: Gr. ____

DF ____ KB 2,189'

Operator: Frontier Oil Company

Address: 1720 KSB&T Building, Wichita, Kansas 67202

Well No.	Lease Name
5	Stahl

Footage Location: ____ feet from (N) (S) line ____ feet from (E) (W) line

Principal Contractor	Geologist
Red Tiger Drilling Company	Richard Parker

Spud Date	Date Completed	Total Depth	P.B.T.D.
10/13/80	10/21/80	3,635'	

Directional Deviation	Oil and/or Gas Purchaser

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12 1/4"	8 5/8"		328'	Common	190	2% Gel, 3% C.C.

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement

TUBING RECORD

Size	Setting depth	Packer set at

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

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INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	bbls.	MCF	bbls.	CFPB

Disposition of gas (vented, used on lease or sold)	Producing interval(s)

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 245 No. Water, Wichita, Kansas 67202. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

C-10-1972

State Geological Survey
WICHITA BRANCH

21-9-18W

5 Stahl

21 9 18W

WELL LOG

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Shale	0	340		
Shale & Red Bed	340	1020		
Sand	1020	1230		
Shale	1230	1496		
Anhydrite	1496	1537		
Shale	1537	1770		
Shale w/Lime Streaks	1770	2045		
Shale & Lime	2045	2395		
Lime & Shale	2395	2555		
Shale & Lime	2555	2688		
Lime & Shale	2688	2921		
Lime	2921	3008		
Lime & Shale	3008	3120		
Lime	3120	3635		
RTD		3635		

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USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received

Signature

Title

Date