

**WELL COMPLETION REPORT AND  
DRILLER'S LOG**

WICHITA BRANCH

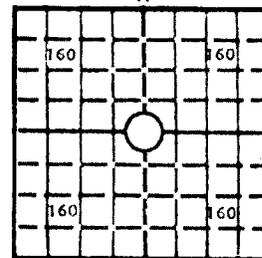
S. 14 T. 22S R. 11 E  
XX

API No. 15 — 073 — 21,662  
County Number

Loc. 1475' FNL-1890' FWL

County Greenwood

640 Acres  
N



Locate well correctly

Elev.: Gr. 1222'

DF 1225' KB 1227'

Operator Cities Service Company			
Address 800 Sutton Place Bldg., 209 E. William, Wichita, KS 67202			
Well No. OP12	Lease Name Fromm		
Footage Location 2475 feet from (N) (S) line 1650 feet from (E) (W) line			
Principal Contractor Berentz		Geologist No wellsite geologist	
Spud Date 11-10-80	Date Completed 7-1-81	Total Depth 2020'	P.B.T.D.
Directional Deviation -----		Oil and/or Gas Purchaser Cities Service	

**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"	24#	107' KB	Class "A"	75	3% salt
Production	7 7/8"	4 1/2"	9.5#	1994' KB	Class "A"	175	10% NaCl .75% CFR-2

**LINER RECORD**

**PERFORATION RECORD**

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4		1904-1908'

TUBING RECORD		
Size	Setting depth	Packer set at
2"	1891 KB	

**ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD**

Amount and kind of material used	Depth interval treated

**INITIAL PRODUCTION**

Date of first production 7-1-81	Producing method (flowing, pumping, gas lift, etc.) Pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil Trace bbls.	Gas ----- MCF	Water 52 bbls.	Gas-oil ratio ----- CFPB
Disposition of gas (vented, used on lease or sold) -----		Producing interval (s) 1904'-1908'		

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.

Operator

Cities Service Company

DRY HOLE; SWDW; ETC.;

Well No.

OP12

Lease Name

Fromm

Oil

S 14 T 22S R 11 E WX

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
Soil				3'
Lime & Shale				112'
Shale & Lime				618'
Lime Iatan				628'
Sand & Shale				995'
Lime Lansing				1111'
Shale				1245'
Lime KC				1433'
Shale				1533'
Lime Altamont				1539'
Shale				1558'
Lime Pawnee				1569'
Shale				1616'
Lime Ft. Scott				1691'
Shale Cherokee				1877'
Sand & Shale				1962'
Shale				2020' R.T.D.

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

Date Received

*C. N. Richmond*

C. N. Richmond

Signature

Enhanced Recovery Manager

Title

8-28-81

Date