

WELL COMPLETION REPORT AND DRILLER'S LOG

KANSAS State Geological Survey
WICHITA BRANCH

SEP 8 0 1980 REC'D

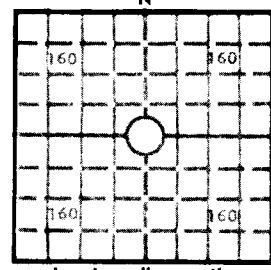
S. 14 T. 22 R. 11 E

API No. 15 — 073 — 21,580
County Number

Loc. 1815' FNL-2310' FWL

County Greenwood

640 Acres



Elev.: Gr. 1211

DF 1213 KB 1215

Operator
Cities Service Company

Address
700 Sutton Place Bldg., 209 E. William, Wichita, Kansas

Well No. F4 Lease Name Fromm

Footage Location
1815 feet from (N) (S) line 2310 feet from (E) (W) line

Principal Contractor Jackman & Jackman Geologist No Geologist on Well Site

Prod Date 1-29-80 Date Completed 7-13-80 Total Depth 2015 P.B.T.D. 1978

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"	24	104	Class A	60	2% CaCl-2
Production	7-7/8"	5-1/2"	14	2011	Class A	150	10% Salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	.44" Jet	1886-1920

TUBING RECORD

Size	Setting depth	Packer set at
2-3/8" OD	2009	No Packer

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
100 Gallon 15% Fe Acid	1886-1920

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
	bbis.	MCF	bbis.	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.

Operator

DRY HOLE, SWDW, ETC.:

Cities Service Company

Well No.

F4

Lease Name

Fromm

Oil

14 T 22 R 11 E
XX

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
See Attached Sheet				

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

Date Received

Ronald J. Miller

Ronald J. Miller

Signature

Manager, Enhanced Recovery

Title

August 15, 1980

Date

14-22-11E

WELL LOG

Company Citie's Service Company
 Farm Promm
 Well F- 4
 Location 1815' FNL & 3310' FWL NW¹ 14-22S-11E Greenwood Co., Ks.
 Commenced 1/29/80
 Completed 2/3/80
 Casing 100' 3 5/8 " cemented with 30 sacks
 2007' 5 1/2 " cemented with 150 sacks
 Contractor Jackman & Jackman
 Production
 Total depth 2015'

Soil	0	4
Shale & Lime	4	104
Lime & Shale	104	320
Shale & Lime	320	750
Shale	750	804
Lime	804	807
Water Sand	807	959
Lime	959	1389
Shale & shells	1389	1850
Core #1	1850	1910
Core #2	1910	1946
Shale & Shells	1946	2015

0' is 4' above ground level