

WELL COMPLETION REPORT AND
DRILLER'S LOG

API No. 15 — 073 — 21,602
County Number

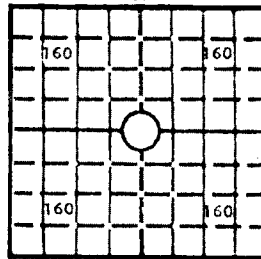
State Geological Survey
WICHITA BRANCH

S. 14 T. 22S R. 11 E

Loc. 2475' 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 Pl. Bldg., 209 E. William, Wichita, Kansas 67202

Well No. OP11 Lease Name Fromm

Footage Location
2475 feet from (N) (X) line 1890 feet from (E) (W) line

Principal Contractor Berentz Geologist No wellsite geologist

Spud Date 1-13-81 Date Completed 6-9-81 Total Depth 2020' P.B.T.D. -----

Directional Deviation ----- Oil and/or Gas Purchaser No wellsite geologist

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#	109' KB	Class "A"	65	3% CaCl-2
Production	7 7/8"	4 1/2"	9.5#	1998' 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		1896' - 1940'

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 6-9-81 Producing method (flowing, pumping, gas lift, etc.) Pumping

RATE OF PRODUCTION PER 24 HOURS
Oil 3 bbls. Gas ----- MCF Water 60 bbls. Gas-oil ratio ----- CFPB

Disposition of gas (vented, used on lease or sold) ----- Producing interval (s) 1896' - 1940'

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.

Cities Service Company

DRY HOLE, SWDW, ETC.:

Well No.

OP11

Lease Name

Fromm

Oil

S 14 T 22S R 11 E
XXX

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				5'
Lime & Shale				115'
Shale & Lime				619'
Lime Iatan				628'
Sand & Shale				990'
Lime Lansing				1111'
Shale				1240'
Lime KC				1430'
Shale				1533'
Lime Altamont				1538'
Shale				1558'
Lime Pawnee				1570'
Shale				1616'
Lime Ft. Scott				1691'
Shale Cherokee				1875'
Sand & Shale				1960'
Shale				2020 R.T.D

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

Date Received

C. N. Richmond
Signature

C. N. Richmond
Enhanced Recovery Manager

Title

8-28-81

Date