

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

KANSAS

State Geological Survey

WICHITA BRANCH

S. 14 T. 22S R. 11 E

Loc. 1155' FNL - 1320' FWL

API No. 15 — 073 — 21,654
County Number

County Greenwood

Operator
Cities Service Company

Address
800 Sutton Pl. Bldg., 209 E. William, Wichita, Kansas 67202

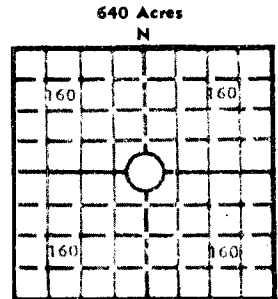
Well No. OP2 Lease Name Fromm

Footage Location
1155 feet from (N) (S) line 1650 feet from (E) (W) line

Principal Contractor Berentz Geologist No wellsite geologist

Spud Date 10-31-80 Date Completed 7-1-81 Total Depth 2000 P.B.T.D. -----

Directional Deviation ----- Oil and/or Gas Purchaser Cities Service



Elev.: Gr. 1190

DF 1193' KB 1195'

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#	110' RB	Class "A"	65	3% CaCl-2
Production	7 7/8"	4 1/2"	9.5#	1952' KB	Class "A"	175	10% salt .75% CFR-2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4		1880' - 1904'

Size	Setting depth	Packer set at
2"	1898' 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 0 bbls. Gas MCF Water 40 bbls. Gas-oil ratio CFPB
Disposition of gas (vented, used on lease or sold) -----	Producing interval (s) 1880' - 1904'

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

DESIGNATE TYPE OF COMPLETION: OIL, GAS, DRY HOLE, SWDW, ETC.:

Well No.

OP2

Lease Name

Fromm

Oil

S 14 T 22S R 11 E

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				100'
Shale & Lime				560'
Lime Iatan				566'
Shale & Sand				945'
Lime Lansing				1077'
Shale				1201'
Lime KC				1377'
Shale				1496'
Lime Altamont				1505'
Shale				1522'
Lime Pawnee				1536'
Shale				1610'
Lime Ft. Scott				1688'
Shale Cherokee				1830'
Sand & Shale				1908'
Shale & Lime				2000' 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

August 28, 1981

Date