

KANSAS

WELL COMPLETION REPORT AND
DRILLER'S LOG

API No. 15 — 073 — 21,663

County

Number

Geological Survey
WICHITA BRANCH

Operator

Cities Service Company

Address

800 Sutton Place Bldg., 209 E. William, Wichita, KS 67202

Well No.

OP13

Lease Name

Fromm

Footage Location

2485

feet from (N) (S) line

1320

feet from (E) (W) line

Principal Contractor

Berentz

Geologist

No wellsite geologist

Spud Date

1-9-81

Date Completed

7-1-81

Total Depth

2020'

P.B.T.D.

Directional Deviation

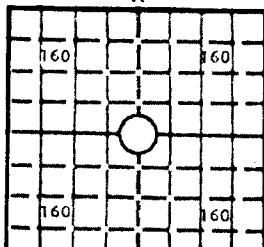
Oil and/or Gas Purchaser

Cities Service

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

Loc. 2485' FNL-1320' FWL

Greenwood

640 Acres
N

Locate well correctly

1223'

Elev.: Gr.

DF 1226' KB 1228'

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' KB	Class "A"	65	3% CaCl
Production	7 7/8"	4 1/2"	9.5#	2019' KB	Class "A"	75	10% NaCl .75% CFR-2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4		1906' - 1952'

TUBING RECORD

Size	Setting depth	Packer set at			
2"	1891'				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)				
7-1-81	Pumping				
RATE OF PRODUCTION PER 24 HOURS	Oil 0 bbis.	Gas ----- MCF	Water 57 bbis.	Gas-oil ratio -----	CFPB

Disposition of gas (vented, used on lease or sold)	Producing interval(s)
-----	1906' - 1952'

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. OP13	Lease Name Fromm	Oil
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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)	1112'			
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 (B.V.)	1962'			
Shale	2020' R.T.D.			

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

Date Received	<i>C. N. Richmond</i> C. N. Richmond Enhanced Recovery Manager Title 8-28-81 Date
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