

KANSAS

WELL COMPLETION REPORT AND DRILLER'S LOG

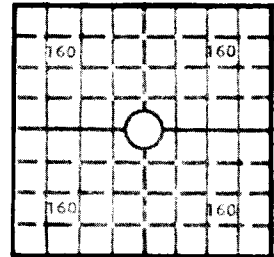
API No. 15 — 073 — 21,575
County Number

S 14 T 22 R 11 E

Loc. 1320' FNL - 2415' FWL

County Greenwood

640 Acres
N



Locate well correctly

Elev.: Gr. 1205

DF 1207 KB 1209

Operator
Cities Service Company

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

Well No. E1W Lease Name Fromm

Footage Location
1320 feet from (N) (X) line 2145 feet from (E) (W) line

Principal Contractor Jackman & Jackman Geologist No Geologist on Well Site

Start Date 2-23-80 Date Completed 7-3-80 Total Depth 2010 P.B.T.D. 1991

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	3% CaCl-2
Injection	7-7/8"	4-1/2"	9.5	2010	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	.3" Jet	1892-1926

TUBING RECORD

Size	Setting depth	Packer set at
2-3/8" OD	2008	1956

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
100 Gallons 15% Fe acid	1892-1926

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
	bbls.	MCF	bbls.	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

Cities Service Company

DESIGNATE TYPE OF COMPLETION: GEL, SAND,
DRY HOLE, SWDW, ETC.:

Well No.

E1W

Lease Name

Fromm

Chemical Injection

S 14 T 27 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
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

WELL LOG

14-22-11E

Company Cities Service Company
 Farm Fromm
 Well E-1-W
 Location 1320' PNL & 2145' FWL - NW $\frac{1}{4}$ 14-22S-11E Greenwood Co., KS
 Commenced 2/23/80
 Completed 2/26/80
 Casing 100' 8 5/8" cemented with 60 sacks
 2005' 4 $\frac{1}{2}$ " cemented with 175 sacks
 Contractor Jackman & Jackman
 Production
 Total depth 2010'

Shale & Lime	0	100
Lime & Shale	100	465
Shale & Lime	465	801
Lime	801	805
Water Sand	805	954
Lime	954	1089
Shale	1089	1220
Lime	1220	1409
Shale & Shells	1409	1600
Shale	1600	2010

0' is 4' above ground level