

WELL COMPLETION REPORT AND DRILLER'S LOG

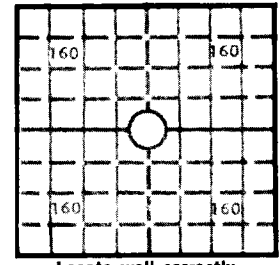
KANSAS State Geological Survey
WICHITA BRANCH
SEP 9 11 REC

S. 14 T. 22 R. 11 E

Loc. 2290' FNL-2455' FWL

County Greenwood

640 Acres



Elev.: Gr. 1221

DF 1223 KB 1225

API No. 15 — 073 — 21,524
County Number

Operator
Cities Service Company

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

Well No. G7W Lease Name Fromm

Footage Location
2310 feet from (N) (S) line 2475 feet from (E) (W) line

Principal Contractor EDCO Geologist No Geologist on Well Site

Spud Date 12-5-77 Date Completed 7-18-80 Total Depth 2036 P.B.T.D. 1963

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	95	Regular	50	2% CaCl-2
Injection	7-7/8"	4-1/2"	9.5	2011	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	1946-1904

TUBING RECORD

Size	Setting depth	Packer set at
2-3/8" OD	2009	1976

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
100 gallons 15% Fe Acid	1946-1904

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

DRY HOLE, SWDW, ETC.:

Well No.

G7W

Lease Name

Fromm

Chemical Injection

S 14 T 22 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

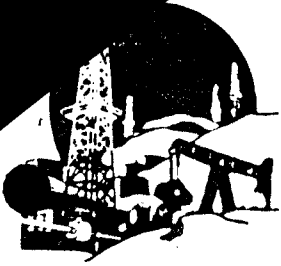
Signature

Manager, Enhanced Recovery

Title

August 15, 1980

Date



E.D.C.O. Drilling Company 14-22-11E

P.O. BOX 471 ELDORADO, KANSAS 67042

December 19, 1979

To: Cities Service
209 East Williams
700 Sutton Place Bldg.
Wichita, Kansas 67202

Lease: Madison Project Core Hole #9 Fromm G7

Location: Sec. 14, Twp. 22S, Rg. 11E
Greenwood County, Kansas

Drilling

Dates: December 14 thru December 17, 1979

-DRILLING LOG-

50'	Shale and Lime
90'	Surface Hole
639'	Shale with Lime Streaks
968'	Shale
1043'	Lime with Shale Streaks
1595'	Shale with Lime Streaks
1890'	Shale
1890-1950'	Core #1
2036'	Sand and Shale R.T.D.