

KANSAS

State Geological Survey
WICHITA, KANSAS

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

S. 14 T. 22 R. 11 E
W

API No. 15 — 073 — 21,522
County Number

Loc. 1815'FNL - 1980'FWL

Operator
Cities Service Company

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

Well No. D4 Lease Name Fromm

Footage Location
1815 feet from (N) $\frac{1}{2}$ line 1980 feet from $\frac{1}{2}$ (W) line

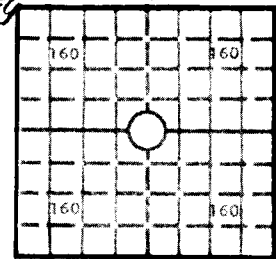
Principal Contractor EDCO Geologist No Geologist on Well Site

Spud Date 11-28-79 Date Completed 4-17-80 Total Depth 1972 P.B.T.D. 1927

Directional Deviation 11'N - 16'W Oil and/or Gas Purchaser

County Greenwood

640 Acres
N



Locate well correctly

Elev.: Gr. 1209

DF 1212 KB 1214

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	12-1/2"	8-5/8"	24	94'	Class A	50	2% CaCl-2
Production	7-7/8"	5-1/2"	14	1970'	Class A	150	10% Salt .75% CFR-2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	.44" Jet	1880-1924'

TUBING RECORD

Size 2-3/8" OD Setting depth 1958 Packer set at No packer

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
100 Gallons 15% Fe acid	1880-1924'

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

DRY HOLE, SWDW, ETC.:

Cities Service Company

Well No.

D4

Lease Name

Fromm

Oil

S 14 T 22 R 11 E
XX

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



Edco Drilling Company

P.O. BOX 471 ELDORADO, KANSAS 67042

14-22-11 E

December 14, 1979

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

Lease: Madison Project Core Hole #7 Fromm D4

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

Drilling
Dates: December 5 thru December 9, 1979

-DRILLING LOG-

50'	Shale and Lime
90'	Surface Hole
105'	Shale
307'	Shale with Lime Streaks
326'	Lime
585'	Shale with Lime
960'	Shale
1034'	Lime
1152'	Lime with Shale Streaks
1276'	Shale
1289'	Shale with Lime Streaks
1399'	Lime with Shale Streaks
1517'	Shale with Lime Streaks
1682'	Lime with Shale Streaks
1770'	Shale
1870-1900'	Core #1
1930'	Sandy Shale
1930-1946'	Core #2
1972'	Shale and Lime R.T.D.