

KANSAS

WELL COMPLETION REPORT AND  
DRILLER'S LOGAPI No. 15 — 073 — 21,608  
County Number

Operator

Cities Service Company

Address

700 Sutton Place Bldg., 209 E. William, Wichita, KS

Well No.

C4 (SWD)

Lease Name

Fromm

Footage Location

1815 feet from (N) line 1815 feet from (E) (W) line

Principal Contractor

Berentz

Geologist

No Geologist on Well Site

Start Date

4-28-80

Date Completed

Total Depth

2709

P.B.T.D.

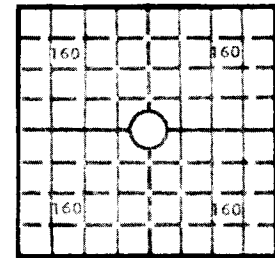
2714

Directional Deviation

Oil and/or Gas Purchaser

State of Kansas  
Wichita Branch  
Loc. 1815 FNL 1815' FWL

County Greenwood

640 Acres  
N

Locate well correctly

Elev.: Gr. 2701

DF 1204 KB 1206

## 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	13-3/4"	10-3/4"	40	106	Class A	85	3% CaCl-2
Injection	8-3/4"	7"	20	2514	Class A	225	50-50 Pozmix, 2% Gel, 10% Salt
						30	10% salt, .75% CFR-2

## LINER RECORD

## PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval

## TUBING RECORD

Size	Setting depth	Packer set at
2-1/2" OD	2609	2450

## ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

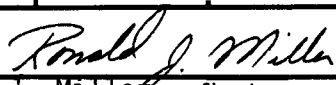
## INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
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 COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. C4 (SWD)	Lease Name Fromm	SWDW
S <u>14</u> T <u>22</u> R <u>11</u> E <u>XX</u>		

WELL LOG			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      Signature Manager, Enhanced Recovery Title August 14, 1980 Date	
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7-55-112

14-22-11E

LOG OF WELL

Fromm C-4  
Section 14-22S-11E  
Greenwood County, K.

OPERATOR: Cities Service Oil Company

Elv. KB 1206'

CONTRACTOR: Berentz Drilling Company

Commenced with rotary: 4-29-80

Completed with rotary: 5-3-80

Casing-10"---113' cemented with 85 sacks  
7"---2514' cemented with 255 sacks

Soil	2'
Lime w/Shale Strks	120
Shale & Lime	770
Shale	955
Lime Lansing	1088
Shale	1216
Lime KC	1382
Shale	1506
Lime Altamont	1514
Shale	1532
Lime Pawnee	1538
Shale	1591
Lime & Shale Ft. Scott	1665
Shale	1872
Sand BV	1935
Shale	2027
Lime Miss.	2392
Shale Kinderhook	2467
Lime Viola	2490
Sand & Shale Simpson	2508
Arbuckle	2515 R.T.D.