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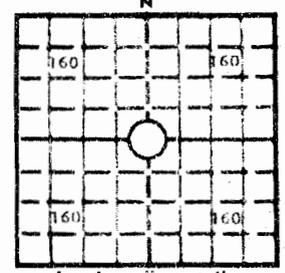
State Geological Survey of Kansas

WELL COMPLETION REPORT AND DRILLER'S LOG WICHITA BRANCH

API No. 15 — 051 — 22,210
 County Number

S. 24 T. 11S R. 17
 Loc. 2310'FWL-2310'FSL

County Ellis
 640 Acres



Operator: Cities Service Company
 Address: 209 East William, 800 Sutton Place Bldg., Wichita, KS 67202
 Well No. 33 Lease Name Colahan "A"
 Footage Location: 2310 feet from (X) (S) line, 2310 feet from (X) (W) line
 Principal Contractor: Pioneer Drilling Geologist: Well Site - Ed Harris
 Spud Date: 3-3-81 Date Completed: 7-24-81 Total Depth: 3515' P.B.T.D.: 3462'
 Directional Deviation: None Oil and/or Gas Purchaser:

Elev.: Gr. 1974'
 DF 1976' KB 1979'

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#	328'	50/50 Pozmix	250	Plus 2% CaCl
Production	7 7/8"	5 1/2"	14#	3513'	50/50 PozmixA	250	Plus 10% Salt Plus 3/4% CFR2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
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TUBING RECORD			2 per foot	1/2" Jet	3489'-3492'
Size 2 1/2"	Setting depth 3510'	Packer set at -----	4 shots	1/2" Jet	3467'-3469'

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
150 gallons 15% NE	3467'-3469'

INITIAL PRODUCTION

Date of first production: 7-24-81 Producing method (flowing, pumping, gas lift, etc.): Pumping
 RATE OF PRODUCTION PER 24 HOURS: Oil 8 bbls., Gas ---- MCF, Water 365 bbls., Gas-oil ratio ---- CFPB
 Disposition of gas (vented, used on lease or sold): Sold Producing interval(s): 3467'-3492'

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 an 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.

33

Lease Name

Colahan "A"

Oil

S 24 T 11S R 17 E W

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)				

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

Date Received

C. E. Forrester

C. E. Forrester

Signature

Region Petroleum Engineer

Title

July 24, 1981

Date

28988