

KANSAS

State Geological Survey

WELL COMPLETION REPORT AND
DRILLER'S LOG

WICHITA BRANCH

S. 25 T. 11S R. 17 E W SEP

API No. 15 — 051 — 22,528
County Number

Loc. 330' FSL-990' FEL

County Ellis

Operator Cities Service Company

Address 209 East William
800 Sutton Place Bldg., Wichita, KS 67202

Well No. #24 Lease Name Colahan "B"

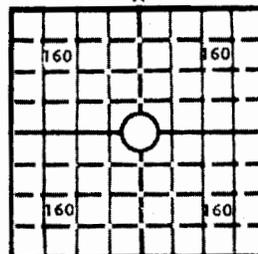
Footage Location
330 feet from (N) (S) line 990 feet from (E) (W) line

Principal Contractor Emphasis Oil Operations Geologist Well Site - Calvin Clay

Spud Date 7-28-81 Date Completed 10-14-81 Total Depth 3490' P.B.T.D. -----

Directional Deviation None Oil and/or Gas Purchaser Cities Service Company

640 Acres
N



Locate well correctly

Elev.: Gr. 1906'

DF 1909' KB 1912'

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"	26#	373'	Class "A"	300	2% CaCl-2
Production	7 7/8"	5 1/2"	14#	3489'	50/50 Poz	250	10% Salt 3/4% C.F.R.-2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
----	----	----	6 Shots	1/2" Jet	3412'-3415'
TUBING RECORD			6 Shots	1/2" Jet	3433'-3436'
			5 Shots	1/2" Jet	3450'-3452'
Size 2 1/2"	Setting depth 3472'	Packer set at ----	5 Shots	1/2" Jet	3454'-3456'
			4 Shots	1/2" Jet	3466'-3468'

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1250 Gallons 15% NE Acid	3466'-3468'
500 Gallons 15% NE Acid	3412'-3436'

INITIAL PRODUCTION

Date of first production 10-14-81	Producing method (flowing, pumping, gas lift, etc.) Pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil 20 bbls.	Gas ---- MCF	Water 202 bbls.	Gas-oil ratio CFPB
Disposition of gas (vented, used on lease or sold)		Producing interval (s) 3412' To 3468'		

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. #24 Lease Name Colahan "B" Oil

S 25 T11S R 17 EX 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.

Table with 5 columns: FORMATION DESCRIPTION, CONTENTS, ETC.; TOP; BOTTOM; NAME; DEPTH. Content: (See Attached)

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

Date Received Signature: C. E. Forrester Title: Region Petroleum Engineer Date: October 22, 1981

25-11-17W

P1

SEP

EMPHASIS OIL OPERATIONS

P. O. Box 506

Russell, Kansas 67665

DRILLERS LOG

OPERATOR: Cities Service Company
800 Sutton Place Building
209 E. William
Wichita, Kansas 67202

CONTRACTOR: Emphasis Oil Operations
P. O. Box 506
Russell, Kansas 67665

LEASE: Colahan "B" WELL: #24

LOCATION: SW SE SE
Section 25-11S-17W
Ellis County, Kansas

Total Depth: 3490'

Elevation: 1906'

Commenced: 7-28-81

Completed: 8-8-81

Casing: 8-5/8" @ 373' with 300 sks cement
5-1/2" @ 3489' with 500 sks cement

Status: Oil Well

DEPTHS & FORMATIONS

(All measurements from K.B.)

Topsoil & Sand	40'	Shale & Lime	2030'
Sand & Shale	379'	Shale	2840'
Red Bed & Shale	836'	Shale & Lime	3290'
Shale	1082'	Lime	3391'
Anhydrite	1118'	Lime & Shale (R.T.D.)	3490'
Shale	1803'		

STATE OF KANSAS)
) ss:
COUNTY OF RUSSELL)

I, Joe K. Branum, of Emphasis Oil Operations, state that the above and foregoing is a true and correct log of the above captioned well.