

State Geological Survey
WICHITA BRANCH
KANSAS DRILLERS LOG

API No. 15 — 167 — 21212
County Number

Operator

Cities Service Co.

Address

209 E William, Sutton Place 700, Wichita, KS 67202

Well No.

10

Lease Name

Graham "A"

Footage Location

330

feet from (N) (S) line

2987 FSL; 3316 FEL-KCC

660

feet from (E) (W) line

Principal Contractor

Woodman-Iannitti Oil Co.

Geologist

on well site

Sam Houston

Spud Date

10-5-78

Total Depth

2420'

P.B.T.D.

Date Completed

11-20-78

Oil Purchaser

Cities Service Co.

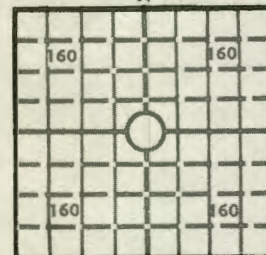
S. 28 T14 S R13 W

Loc. C S/2 SE/4 NW/4

County Russell

640 Acres

N



Locate well correctly

1741

Elev.: Gr.

DF 1744'

KB 1746'

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#	316'	50-50 Pozmix	200	2% CACL-2
Production	7 7/8"	4 1/2"	9.5 #	2419'	50-50 Pozmix	200	10% Salt +.75% CFR.
					D. V. tool at 756'		

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
-----	-----	-----	1	1/2"	2237' - 2341'

TUBING RECORD

Size 2" Setting depth 2340' Packer set at -----

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 gal. 15% MCA. Fractured with	2237' - 2341'
3000 gal. pad, 1200 gal. 10-20 sand	
and 1860 gal. gelled water	

INITIAL PRODUCTION

Date of first production 11-20-78	Producing method (flowing, pumping, gas lift, etc.) pumping
RATE OF PRODUCTION PER 24 HOURS	Oil 13 bbls. Gas MCF 65 bbls. Gas-oil ratio CFPB
Disposition of gas (vented, used on lease or sold)	Producing interval(s) 2237' - 2341'

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, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. 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 Co.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:	
Well No. 10	Lease Name Graham "A"	oil	
S <u>28</u> T <u>14</u> S <u>R</u> <u>13</u> ^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 log attached)			
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	Signature <u>W. J. Devaney</u> Region Operations Manager November 22, 1978 Date		

K. T. WOODMAN
RES. PHONE 733-0418
OFF. PHONE 265-7650
WICHITA, KANSAS

D. J. IANNITTI
PHONE 792-2921
GREAT BEND, KANSAS

WOODMAN & IANNITTI DRILLING COMPANY
Rotary Drilling Contractors

28-14-13W

1008 DOUGLAS BUILDING
104 S. BROADWAY
WICHITA, KANSAS 67202

October 12, 1978

Company;	Cities Service Company
Farm;	Graham "A" #10
Location	C S/2 SE SW
Section;	28-14-13W
County;	Russell
Contractor;	Woodman & Iannitti Drilling Co.
Comm;	October 5, 1978
Compl;	October 9, 1978
Total Depth;	2420'
Casing;	8 5/8 @ 314 w/200 sx.
	4 1/2 @ 2419 w/200 sx.

Figures Indicate Bottom Of Formations:

152	River sand
160	Hard sand
184	Iron pyerite✓
313	Shale & hard sand
683	Shale & redbed
717	Nahy
1330	Shale
1440	Shale & lime
2134	Lime & shale
2420	Shale & lime

I certify the above to be a true and correct copy of the driller's log to the best of my knowledge and belief.

Woodman & Iannitti Drilling Co.

D. J. Iannitti
D. J. Iannitti