

KANSAS DRILLERS LOG

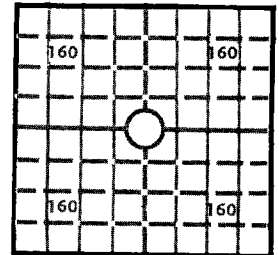
S. 14 T. 22S R. 11 E
 Loc. 1998' FNL & 1350' FWL

API No. 15 — 073 — 21,187
 County Number

Operator
 Cities Service Co.

County Greenwood
 640 Acres
 N

Address
 209 E. William, 700 Sutton Pl. Bldg, Wichita, KS 67202



Well No. OS #2 Lease Name Madison Unit "B"

Footage Location
 1998 feet from (N) line 1350 feet from (W) line

Principal Contractor B & N Drilling Geologist

Spud Date 4-4-77 Total Depth 2000' P.B.T.D.

Elev.: Gr. 1214'
 DF 1217' KB 1219'

Date Completed 4-20-77 Oil Purchaser

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#	57'	Class "A"	15	1/4# CaCl-2
Production	7 7/8"	5 1/2"	14#	1991'	Class "A"	135	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

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 bbls. Gas MCF Water bbls. Gas-oil ratio 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, 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.	OS #2	Lease Name	Madison Unit "B"	Observation Hole
S <u>14</u> T <u>22S</u> R <u>11</u> E <u>VK</u>				


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
KB	0	5		
Soil	5	11		
Rock/Clay Streaks	11	16		
Hard Lime	16	20		
Gravel	20	26		
Shale/Lime	26	643		
Shale	643	657		
Lime	657	670		
Shale	670	940		
Lime	940	1078		
Shale	1078	1092		
Lime	1092	1099		
Shale/Lime Streaks	1099	1394		
Lime	1394	1396		
Lime/Shale	1396	1502		
Lime/Shale Streaks	1502	1755		
Shale	1755	1890		
Core #1	1890	1949		
Sand	1949	2000		

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

Date Received	Signature 
	W. J. Devaney Region Operations Manager
	Title
	January 19, 1978 Date