

State Geological Survey
WICHITA, BRANCH

KANSAS DRILLERS LOG

S. 23 T. 27 R. 25 ~~W~~^E
Loc. 375 W of C NE SW

API No. 15 — 011 — 20,176
County Number

County Bourbon

Operator
Cities Service Oil Co.

Address
700 sutton Place Bldg., 209 E. Williams, Wichita, Ks. 67202

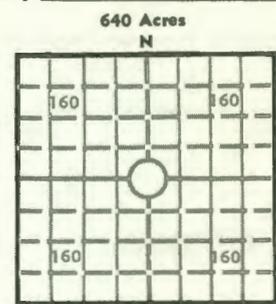
Well No. #1-A Lease Name Howard "A"

Footage Location 370' W. of C NE SW
feet from (N) (S) line feet from (E) (W) line

Principal Contractor Exploration Inc. Geologist Bob Conrad

Spud Date 11/16/74 Total Depth 831 267 P.B.T.D.

Date Completed 11/17/74 Oil Purchaser Strat - Test



Locate well correctly
Elev.: Gr. 831

DF _____ KB _____

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	8 5/8"	7"		20'	Did not cement.		

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	Gas	Water	Gas-oil ratio	CFPB
	bbls.	MCF	bbls.		
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 Oil Company

DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:

Well No.

#1-A

Lease Name

Howard "A"

Strat - Test

S 23 T 27 R 25 E

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

Log Attached

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

Date Received



Glenn E. Meier

Glenn E. Meier

Signature

Oil & Gas Systems Supervisor

1-9-75

Date

23-27-25E

CSO #1 Howard "A" Twin
370'W of C NE SW Sec 23-27S-25E
Bourbon County, Kansas

Core Hole #53

Contractor: Exploration, Inc.
Date Comm: 11-16-74
Date Comp: 11-17-74
G.L. Elev. 831' - T.D. 267.8'



Drilled to 250' and started core.

250-251 - Sh, black, hard.

251-253.5 - Gradational from siltstone at top to medium grain sand at 253.5, tan to gray ripples at 251 to xln beds 252, fair porosity, small show of heavy oil.

253.5-267.6 - Sand, dark gray, medium to coarse grain, good to very good porosity, good show of heavy oil (best from 255-259, bleeding profusely), gas bubbles from pores forming in heavy oil.

267.6-267.8 - Coal and black shale.

T.D. 267.8'

SP Log Depth 267
Resistivity 267
GR Log Depth 267

Bob Conrad, Geologist