

13-23-43W

KANSAS DRILLERS LOG

State Geological Survey
WICHITA, BRANCH

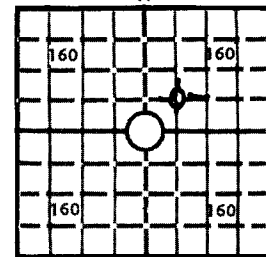
API No. 15 — 075 — 20,056
County Number

S. 13 T. 23S R. 43W E
W

Loc. C SW NE

County Hamilton County

640 Acres
N



Locate well correctly

Elev.: Gr. 3411

DF 3418 KB 3420

Operator

Dare Gas, Inc.

Address

Box 544 Liberal, Kansas 67901

Well No.

1

Lease Name

Owings

Footage Location

1980

feet from (N) SW line

1980

feet from (E) SW line

Principal Contractor

Wakefield Drlg. Co.

Geologist

Bryan Dawson

Spud Date

6-19-73

Total Depth

2950'

P.B.T.D.

2449'

Date Completed

7-31-73

Oil Purchaser

None

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	Socks	Type and percent additives
Surface	12-1/4	8-5/8	20#	202	Common	150	2% CC1
Production	7-7/8	4-1/2	9-1/2#	2449	Pogmix	150	10% Na Cl

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	Jet	2302-2306
TUBING RECORD			2	Jet	2308-2314
Size	Setting depth	Packer set at			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1500 Gal Acid	2302-2314
Water Frac 288 Bbls. 5000# Sand	2302-2307

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)				
<u>None</u>	<u>None</u>				
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	<u>None</u> bbls.	<u>None</u> MCF	<u>None</u> bbls.	<u>None</u>	CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval (s)		
<u>None</u>			<u>None</u>		

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.

erator

Dare Gas, Inc.

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

Well No. 1	Lease Name Owings
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S 13 T 23 S R 43 ^{NE}_W

WELL LOG

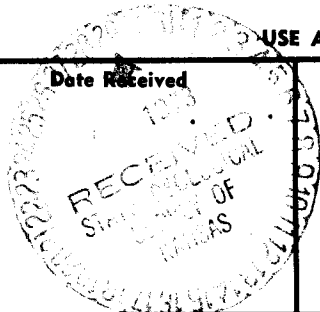
Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN,
OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
See attached sheet.				

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

Date Received



 Ralph M. Reynolds
 President

Signature

Title

October 2, 1973

Date

13-23-43W

LEASE: COWINGS #1
 OWNER: DARE GAS OPERATING, INC.
 CONT: EARL F. WAKEFIELD, INC.
 CORR: 6-19-73
 COMP: 6-26-73

LOCATION: C SW NE
 SECTION 13-23S-43W
 HAMILTON COUNTY, KANSAS
 CASING: 8 5/8" SET @ 202'
 4 1/2" SET @ 2428'

Post Rock Shale	202
Shale	919
Red Bed - Shale	1140
Shale, Anhydrite, Shells	1650
Shale	1990
Shale With Lime	2130
Lime W/Shale	2234
Lime & Shale	2390
Lime W/Shale	2507
Lime & Shale	2725
Lime	2811
Lime & Shale	2950
R.T.D.	2950



STATE OF KANSAS)
)
 COUNTY OF SEDGWICK) ss.

I, Gerald L. Mason, do hereby certify that this is a true and correct log on the Cowings #1, located C SW NE Section 13-23S-43W, Hamilton County, Kansas, as shown by the daily drilling reports.

EARL F. WAKEFIELD, INC.

BY Gerald L. Mason
 Gerald L. Mason