

State Geological Survey

KANSAS WICHITA BRANCH

KANSAS DRILLERS LOG

15-151-20389

API No. 15 — 151 — 20,389
County Number

S. 11 T. 26 R. 12 K W

Loc. C NW SE NW

County Pratt

Operator

Davies & Co., Inc.

Address

1304 Philtower Building Tulsa, Oklahoma 74103

Well No.

#1

Lease Name

Helen Hogan

Footage Location

1650

feet from (N) X 26 line

1650

feet from X 26 (W) line

Principal Contractor

B & B Drilling Company

Geologist

Richard E. Roby

Spud Date

June 23, 1977

Total Depth

4135'

P.B.T.D.

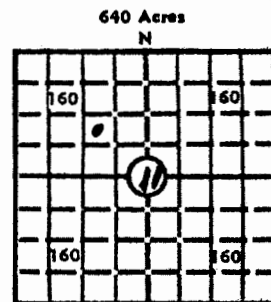
4125'

Date Completed

August 5, 1977

COG Purchaser

GAS: Central States Gas Co.



Locate well correctly

Elev.: Gr. 1879'

DF 1881' KB 1884'

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#	407'	Common	250	3% CC & 2% Gel
Casing		5-1/2"	15.5# and 14#	4134	60/40 Pozmix	200	18% salt - 10#/sack Gilsonite

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2 (total 8)	DP Jets	4112' to 4116'
TUBING RECORD					
Size	Setting depth	Packer set at			
2-3/8" OD	EUE 4110'				

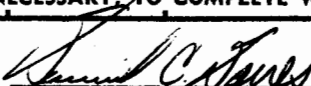
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
ACIDIZE with 500 gallons Dowell 15% BDA acid.	Through perforations into the formation.

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
Shut in. Waiting on pipeline connection.					
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	bbls.	970 MCF	none bbls.	CFPB	
Disposition of gas (vented, used on lease or sold)			Producing interval(s)		
GAS to be sold.			Viola		

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 DAVIES & COMPANY, INC.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: GAS	
Well No. 1	Lease Name Helen HOGAN		
S <u>11</u> T <u>26S</u> R <u>12</u> ^{XX} _W Center NW/4 SE/4 NW/4			
WELL LOG		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.	
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.			
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME DEPTH
			<u>FORMATION TOPS</u>
Sand, shale and Redbed	-0-	1155	(electric log tops)
Sand and shale	1155	1760	
Shale	1760	2265	Winfield 1928'
Gray lime and gray shale	2265	2888	Cottonwood 2378
Lime with shale streaks	2888	3540	Tarkio 2796
Shale - gray-dark gray	3540	3610	Topeka 3108
Lime and shale -gray-brown			Heebner 3432
Lime with shale and shaley lime	3610	3954	Brown Lime 3607
Lime and shale, cherty	3954	4016	Lansing -KC 3633
Lime	4016	4058	Marmaton 3958
Shale	4058	4097	Mississippian 4019
Lime	4097	4135	Viola 4109
Total Depth	4135		
Plug Back T.D. (cement in bottom)	4125		
			<u>DRILL STEM TESTS</u>
			No. 1 LANSING 3634-3665'
			No. 2 " 3705-3740'
			No. 3 " 3775-3790'
			No. 4 VIOLA 4099-4131'
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	 David C. Davies Signature President Title December 30, 1977 Date		