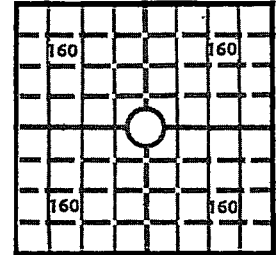


KANSAS DRILLERS LOG

API No. 15 — 133 — 21,088
County Number

S. 20 T. 28 R. 18 E W
Loc. 200' SNL & 1930' EWL
County Neosho

640 Acres
N



Elev.: Gr. _____

DF _____ KB _____

Operator
P & W Joint Ventures

Address
13200 Wide Acre Road Golden, Colorado

Well No. #2-78 Lease Name Hugo Spieker

Footage Location 200 SNL 1930 EWL
feet from (N) (S) line feet from (E) (W) line

Principal Contractor Wellsville Development Geologist none

Spud Date 12/21/78 Total Depth 869' P.B.T.D.

Date Completed 12/24/78 Oil Purchaser Towne Oil

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	8-1/8	6-1/4	17#	40'	Neet	1	
production	5-1/4	2-3/8	3.75	786	Portland A	80	2% gel

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			15	1-11/16	786-800

Size	Setting depth	Packer set at
2-3/8	786	786

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
7 sx 12-30 sand	786-800
10 sx 10-20 sand	
20# water gel	

INITIAL PRODUCTION

Date of first production Sept. 20, 1979 Producing method (flowing, pumping, gas lift, etc.) pumping

RATE OF PRODUCTION PER 24 HOURS	Oil 3 bbls.	Gas 0 MCF	Water 0 bbls.	Gas-oil ratio CFPB
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Disposition of gas (vented, used on lease or sold) n.a. Producing interval (s) 786-800

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

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

Well No.

Lease Name

S _____ T _____ R _____ E _____ 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

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

Date Received

Mary H. Tolman

Signature

Contractor

Title

7/24/62

Date

20-28-18e

Farm - Hugo Spieker

Contractor - Wellsville Development, Inc.

County -

Drilling Started -

97

Well - 2-78

Drilling Completed -

Lease Owner - P&W

Permanent Casing

<u>Size</u>	<u>Amount</u>	<u>Condition</u>	<u>Cement</u>
<u>Strata</u>	<u>Total Depth</u>		
Soil & Clay	15		
Lime	36		
Slate	78		
Lime	156		
Shale	161		
Lime	166		
Shale	169		
Shale Sand	181		
Shale & Shells	202		
Lime	219		
Shale & Shells	223		
Lime	235		
Shale	249		
Lime	305		
Shale	374		
Lime	378		
Shale	397		
Lime	406		
Shale	480		
Lime	533		
Shale	570		
Lime	593		
Shale	786		
Sand	806		
Shale	807		
Coal	809		
Shale	824		
Coal	829		
Shale	860 T.D.		