

A+1. 1- Blanche Sterling "D"

46  
KGS  
Oil & Gas Pools of W.Ks. - Vol. 1

HARDTNER POOL

By Everest E. Wible, Aurora Gasoline Company

October 28, 1955

LOCATION Barber County

Sections 19, 29, 30, 31, 32-34S-12W  
Section 5-35S-12W

METHOD OF EXPLORATION  
LEADING TO DISCOVERY

Based on a combination of Economics and Subsurface Geology.

DISCOVERY October 26, 1954

Aurora Gasoline Company and Barber Drilling Company's #1 Rathgeber, C NE SE Section 31-34S-12W. Tested 19,700,000 CFG thru 2½" tubing on 30-minute test, SIP 1680# in 15 minutes.

NATURE OF TRAP

Both producing zones appear to be stratigraphic, pinching out northwest and northeast and getting too low to produce gas to the south in the Mississippi chat.

Regionally, the area is low with respect to areas to the northeast and northwest. Locally, there are structural nosings plunging south-southwest.

PRODUCTIVE AREA AND TYPE DRIVE

Conglomerate - Limits not yet defined - present area 500 + acres.

Mississippi chat - Limits not yet defined - present area 2,900-3,000 acres.

Both zones produce by gas cap and gas solution drive.

THICKNESS AND LITHOLOGY OF RESERVOIR

Conglomerate - weathered chert and shale grading laterally to fine-grained sandstone in various wells.

Mississippi chat - conglomeratic in top consisting of weathered chert and shale grading to bedded tripolitic chert. Dolomite at the base.

THICKNESS OF PRODUCTIVE ZONE

<u>Conglomerate -</u>	<u>Feet</u>
Gas Column	10
<u>Mississippi chat</u>	
Gas Column	43
Oil Column	30?

CHARACTER OF OIL

Gravity API @ 60° F., 15°

COMPLETION

Most of the wells have been fractured.

PRODUCTION HISTORYCONGLOMERATE AND MISSISSIPPI CHAT

<u>Year</u>	<u>Producing Wells</u>		<u>Oil Production</u>		<u>Gas Production</u>	
	<u>Oil</u>	<u>Gas</u>	<u>Annual</u>	<u>Cum.</u>	<u>Annual</u>	<u>Cum.</u>
Sept. 30 1955	0	6	0	0	923,221,000 CFG	
Total*	0	19			(Distillate - approx. 3 Bbl. per 1,000,000 CFG.)	
Oct. 28, 1955						

\*4 Wells on the south end of the Pool have  
low gravity oil in the Mississippi chat zone.



