F.W. MORGAN
GEOLOGIST

305 S. WASHINGTON
ELDORADO, KANSAS 67042

(316) 263-0134
ELDORADO (316) 321-1463

July 6, 1985

Razook Oil Company
RR # 4, Box 102
Augusta, Kansas, 67010

Re: No. 5 Bannon
Sec. 3-28S-4E
Butler County, Ks.

Gentlemen:

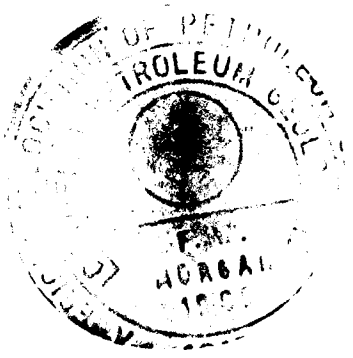
Enclosed is my geological log plotted from a depth of 2,000 feet to total depth of 2,683 feet. On the log are drilling time plotted, formation tops and datums, lithology, porosity, oil shows, and drill stem test data. The well ran lower than your other wells. On the Arbuckle formation it was 16' low to No. 1, 14' low to No. 2, and 5' low to No. 5.

We found shows of oil in the Kansas City, Lower Simpson Sand, and the Arbuckle. The Kansas City is considered to be of no value since No. 4 Bannon tested water from it, and the well is higher. The Lower Simpson had good shows of oil, but on drill stem test proved to be impermeable and gave up no fluid.

The Arbuckle had good shows and gave pp 70' of clean oil and 30' of muddy oil on drill stem test. This test was from 2601' to 2629'. The correlative depth to producing zones from your other wells is 2627' to 2628'. This foot should be perforated, subject to GRN log correlation. The well was drilled to 2683' and casing was run to 2682' and cemented.

Sincerely,

F. W. Morgan



LAUGHLIN-SIMMONS & CO. OF KANSAS, INC.
OIL FIELD SURVEYING
1337 NORTH MERIDIAN, SUITE 2
WICHITA, KANSAS 67203
(316) 943-5351

KW605853
INVOICE NO.

RAZOOK OIL COMPANY
OPERATOR

5
NO.

Bannon
FARM

Butler
COUNTY

3 28s 4e
S T R

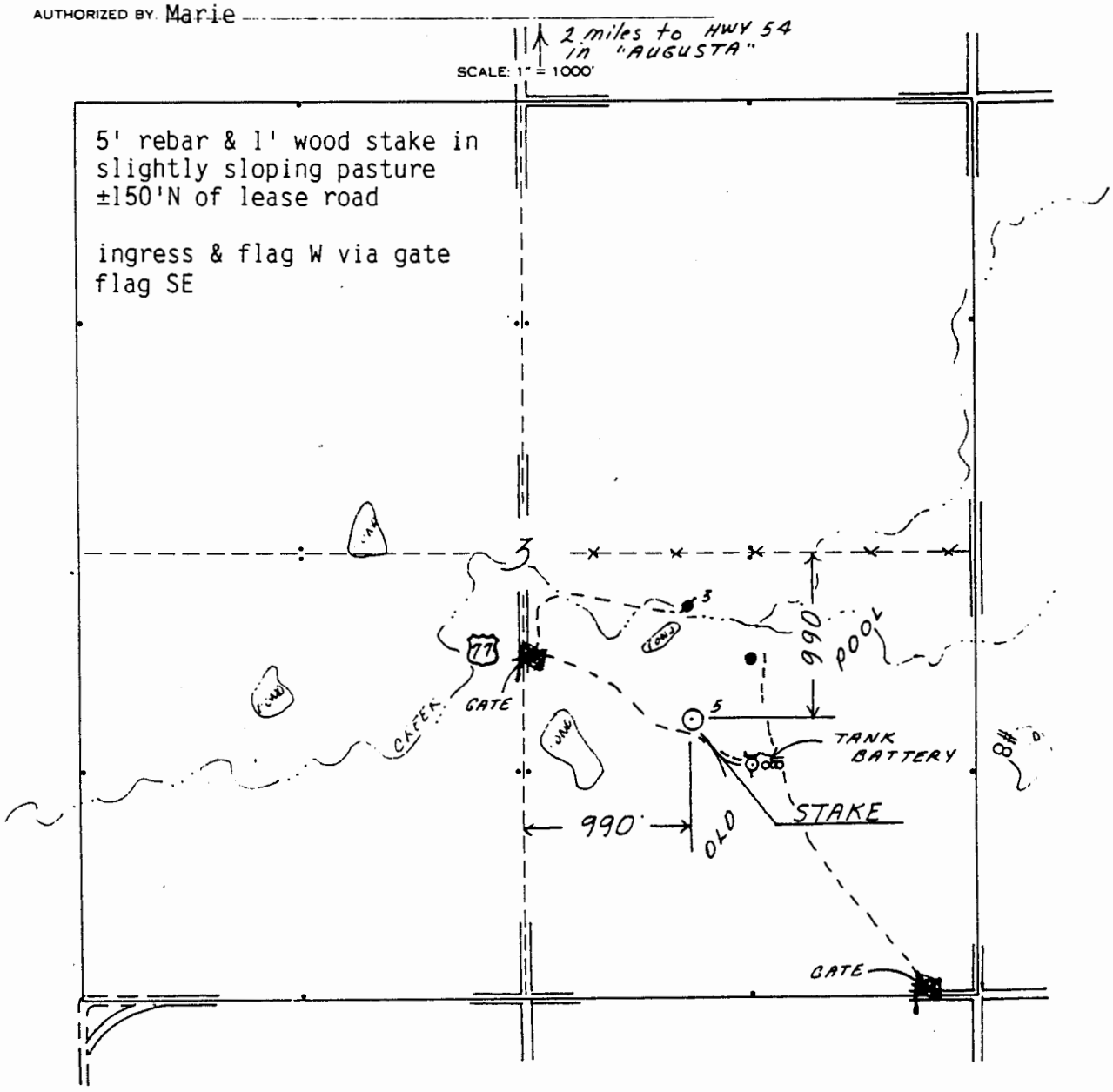
SE NW SE
LOCATION

ELEVATION: 1264 gr

RAZOOK OIL COMPANY
R. R. 4 Box 102
Augusta, Kansas 67010

N

AUTHORIZED BY: Marie



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