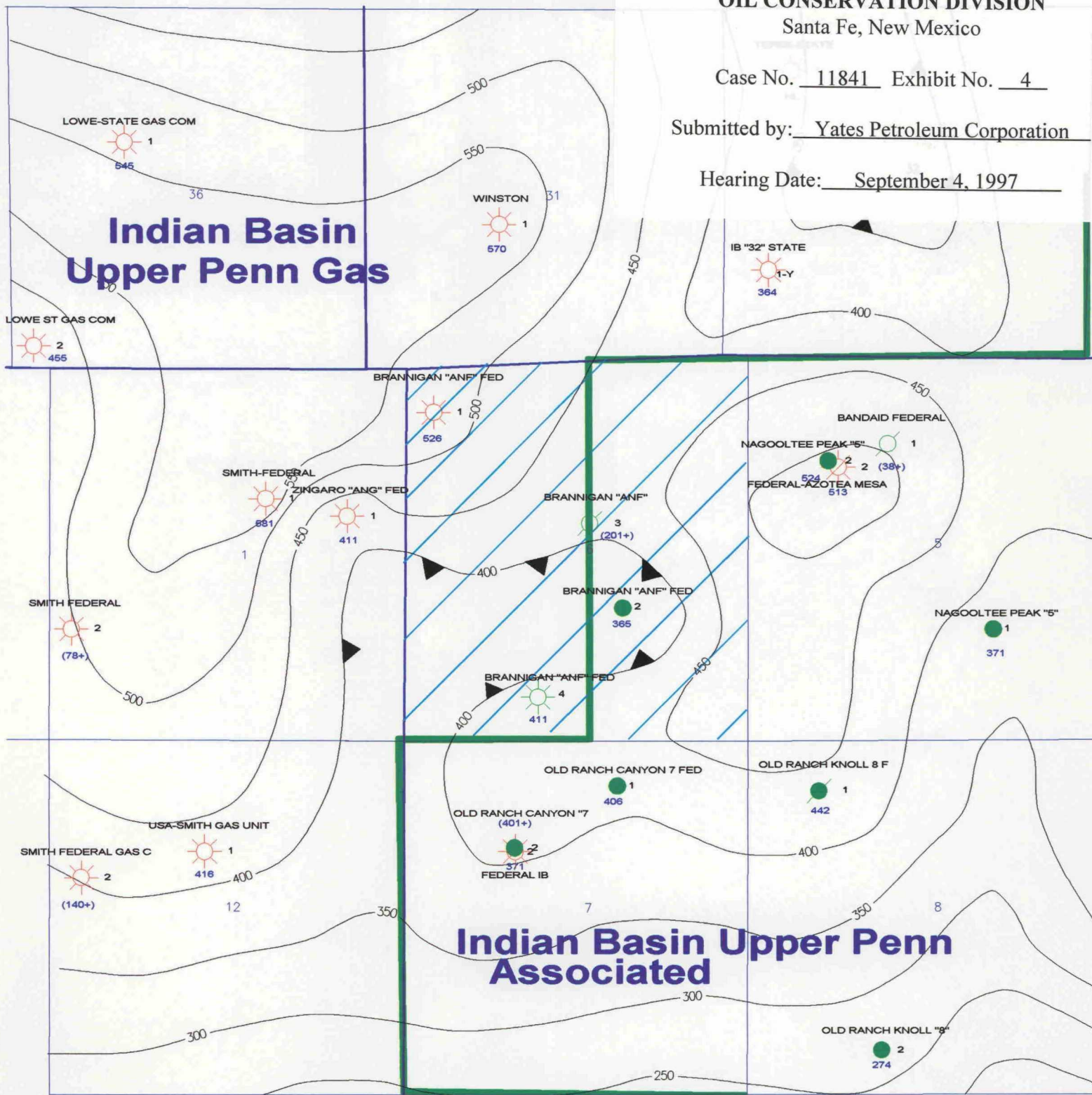


BEFORE THE
OIL CONSERVATION DIVISION
Santa Fe, New Mexico

Case No. 11841 Exhibit No. 4

Submitted by: Yates Petroleum Corporation

Hearing Date: September 4, 1997



LEGEND

- Indian Basin Upper Penn Gas
- Indian Basin Upper Penn Associated

Yates Petroleum Corporation

Isopach Map
Upper Penn Dolomite
Indian Basin Area

Geol. B. May

TFBISO.GPF

9/2/97

Scale 1:24000.

T. Fuentes