

ALPHA TWENTY-ONE PRODUCTION COMPANY

POST OFFICE BOX 1206
JAL, NEW MEXICO 88252

505/395-3056

January 10, 1983

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: Michael E. Stogner
Petroleum Engineer

RE: Application for Administrative Approval
to downhole commingle production on the
Toni No. 2 Well, NE/4, SE/4 of Section
22, Township 19 South, Range 38 East,
Lea County.

Dear Mr. Stogner:

Enclosed is the information and plat, that you requested in your
letter dated December 14, 1982.

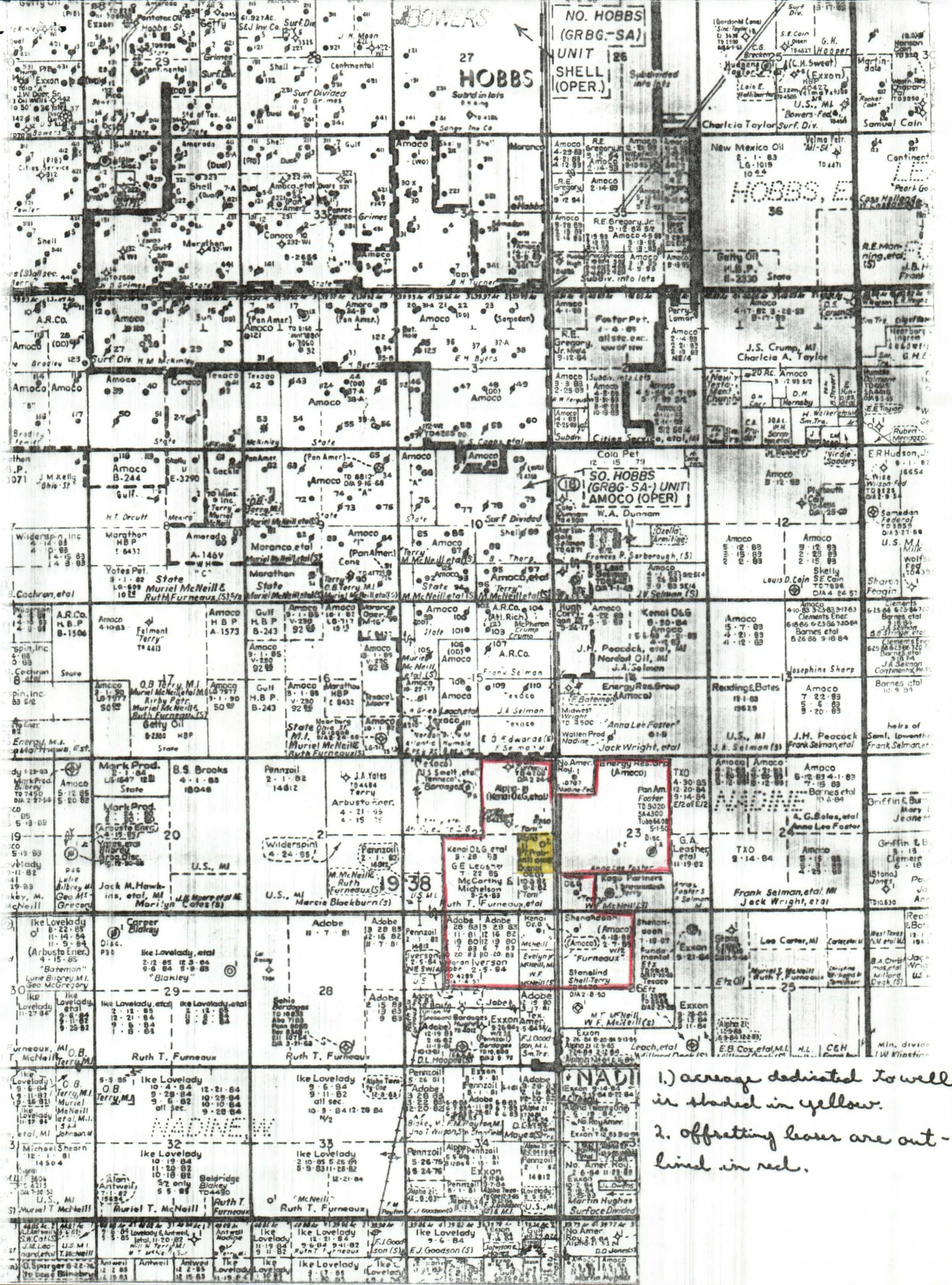
If there are any questions, please contact me.

Sincerely yours,

Steven J. McCormick
Technical Advisor

SJM/bfm

Encls.



1.) acreage dedicated to well is shaded in yellow.
2.) offsetting leases are outlined in red.

RE Q U I R E D I N F O R M A T I O N

- 1.) Ownership (including working interest, royalty, and overriding royalty) of the commingled zones is common.
- 2.) See attached plat showing dedicated acreage and offsetting leases.
- 3.) The bottom hole pressure were estimated for both zones in the same manner. The BHP was calculated by "shooting" the acaustic liquid level. Where the sum of the casing pressure, the gas volumn pressure and the liquid column pressure gas us the the bottom hole pressure.
- 4.) The description of the fluid characteristics follows:

	<u>Drinkard</u>	<u>Tubbs</u>
Resistivity	.075	.073
Spec. Grav.	1.070	1.090
PH	6.8	6.3
Ca	10,800	18,000
Mg	2,640	2,400
cl	67,500	78,000
SO ₄	1,050	1,950
HCO ₃	580	639
Fe	23.4	60