



September 8, 1976

Mr. Carl Ulnag
NEW MEXICO OIL CONSERVATION COMMISSION
P. O. Box 2088
Santa Fe, New Mexico 87505

RE: Downhole Commingling
GINSBERG FEDERAL #9
Unit D, Sec. 31, T-25-S, R-38-E
Justis Blinebry & Justis Tubb
Drinkard Fields
Lea County, New Mexico

Dear Sir:

Attached is a summary of well work done on the Ginsberg Federal #9 to perforate and stimulate the Tubbs. Also attached is a corrected C-116 on the commingled production. A swab test on the Tubb in March, after acidizing, was for a calculated rate of 19 BOPD, and no water swabbing below a packer. Gas production was not measured. It was felt that a pumping test below the packer would not be representative of the production that the Tubb would make, because of the gas interference with the pump. Therefore, it was decided to run an extended pumping test without the packer to evaluate whether the Tubb would be commercial prior to stimulating the well further. Any production above the 6-7 BOPD expected from the Blinebry would be new oil from the Tubb. The Tubb was fraced in May, and put on test. The results of the pumping test in March and April, and after the frac job are shown in the workover history.

The attached decline curve shows production from the Blinebry is around 190 BOPM. The reported gas-oil ratio in February, prior to the workover, was 1216 standard cubic feet per barrel. The Blinebry has averaged approximately 61 BOPD during the last year. No stimulation was done on the Blinebry, so the production should follow the established decline.

Based on the production history of the Blinebry zone and a projected decline for the Tubb based on the production history of the Tubb's completion in Ginsberg Federal #11, allocation of the production would be as follows:

| <u>PERIOD</u> | <u>Average BOPM-Blinebry</u> | <u>Average BOPM-Tubb</u> | <u>% Blinebry</u> | <u>% Tubb</u> |
|---------------|------------------------------|--------------------------|-------------------|---------------|
| Last Half | | | | |
| 1976 | 185 | 240 | 43.53 | 56.47 |
| 1977 | 178 | 162 | 52.35 | 47.65 |
| 1978 | 168 | 100 | 62.69 | 37.31 |
| 1979 | 159 | 60 | 72.60 | 27.40 |

Gas production could be allocated based on current gas-oil ratios of 1216 standard cubic feet per barrel for the Blinebry, and 983 standard cubic feet per barrel for the Tubb. This was calculated from the gas production on the attached Gas-Oil Ratio Test by allocation based on the February GOR for the Blinebry and the Blinebry Oil Decline Curve. The percent would be 55.30% for the Blinebry, and 44.7% for the Tubb. Based on the swab test, water production would be 100% allocated to the Blinebry.