

$P_a$  = Average reservoir pressure at mid-point of the pay-zones of the pool in the project area, psig + 12.01, as determined from most recent survey

15.025 = Pressure base, psi

520° = Temperature base of 60°F expressed as absolute temperature

$T_r$  = Reservoir temperature of 92°F expressed as absolute temperature (552°R)

$Z$  = Compressibility factor from analysis of gas from the pool at average reservoir pressure,  $P_a$ , interpolated from compressibility tabulation below:

| Reservoir Pressure | Z     | Reservoir Pressure | Z     | Reservoir Pressure | Z     |
|--------------------|-------|--------------------|-------|--------------------|-------|
| 50                 | .9725 | 300                | .8325 | 500                | .6560 |
| 100                | .9465 | 350                | .8030 | 600                | .6135 |
| 150                | .9215 | 400                | .7710 | 650                | .5655 |
| 200                | .8885 | 450                | .7220 | 700                | .5220 |
| 250                | .8600 | 500                | .6900 | 750                | .4630 |
|                    |       |                    |       | 800                | .3935 |

**RULE 9.** Each month the project operator shall, within three days after the normal unit allowable for Northwest New Mexico has been established, submit to the Commission a Pressure Maintenance Project Operator's Report, on a form prescribed by the Commission, outlining thereon the data required, and requesting allowables for each of the several wells in the Project as well as the total Project allowable. The aforesaid Pressure Maintenance Project Operator's Report shall be filed in lieu of Form C-120 for the Project.

**RULE 10.** The Commission shall, upon review of the report and after any adjustments deemed necessary, calculate the allowable for each well in the Project for the next succeeding month in accordance with these rules. The sum of the allowables so calculated shall be assigned to the Project and may be produced from the wells in the project in any proportion except that the Atlantic-Navajo Well No. 17-5, located in the SE/4 SE/4 of Section 17, Township 31 North, Range 16 West, shall not produce in excess of the top unit allowable for the pool until May 31, 1964, or until a Gallup pressure maintenance project has been instituted in the area offsetting said well outside the project area, whichever shall first occur.