

El Paso Natural Gas Company

El Paso, Texas

December 10, 1971

U. S. G. S.
Geological Survey
Post Office Drawer 1
Albuquerque, New Mexico

Rocky Arroyo Well No. 1, Unit J,
Section 8, T-22-S, R-22-E,
Grant County, New Mexico

Gentlemen:

El Paso Natural Gas Company recently drilled our Rocky Arroyo Unit Well No. 1 and initially completed it in the Wolfcamp for 20,508 Mcf/D, and the Morrow for 2,608 Mcf/D.

Extended drawdown test data are needed to estimate the areal extent of the Wolfcamp zone and its deliverability, and also to obtain information to support the building of the line from approximately forty miles to sixty-five miles long to tie this well into El Paso's system. The following test procedure is proposed:

Test Sequence	Well Status	Duration	Approx. Rate
1	Flowing	18 hours	1500 Mcf/D
2	Shut-in	24 hours	
3	Flowing	18 hours	2500 Mcf/D
4	Shut-in	24 hours	
5	Flowing	18 hours	3500 Mcf/D
6	Shut-in	30 hours	
7	Flowing	15 days (approx.)	1000 Mcf/D
8	Shut-in		

Test data will be analyzed as soon as conditions are available to evaluate the deliverability of the Wolfcamp. The analysis of the drawdown data indicates the effective permeability is good. The test sequence No. 7 will be extended to approximately 15 days. A well similar to this is experienced during

