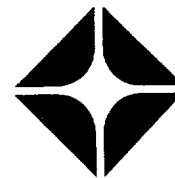


Atlantic Richfield Company

North American Producing Division  
New Mexico - Artesia District  
Post Office Box 1978  
Roswell, New Mexico 88201  
Telephone 505 622 4041

W. P. Tomlinson  
District Engineer



11-21-25  
**RECEIVED**

November 7, 1966

NOV 8 1966

New Mexico Oil Conservation Commission  
P. O. Drawer DD  
Artesia, New Mexico

**O. C. C.**  
**ARTESIA, OFFICE**

Attention: Mr. Dick Stamets

Gentlemen:

Attached are two copies of the Multipoint Back Pressure Test on the Atlantic Richfield Company's Pure Federal No. 1 well Golden Eagle-Morrow gas pool, Eddy County, New Mexico. This test is being reported in accordance with Rule 401 "Commission Rules and Regulations".

The absolute open flow potential for this well is 3708 MCFD reported using a slope of 1.531. Using a slope of 1.000 the absolute open flow potential is 3446 MCFD. The rules for testing gas wells say that the slope of the curve should be between 1.00 and 0.500 to be satisfactory and if the curve does not lie between these slope limits the well shall be retested. However, we request permission to not retest this well because we do not believe that a retest will show the curve to have a slope within acceptable limits. On January 26, 1966, a four-point test, using the unconnected gas well procedure, indicated this well to have a slope of 1.3. On retest using the same procedure on February 4, 1966, the well had a slope of 3.06. The well presently is riding the sales line wide open and is producing about 3,000 MCFD against a line pressure of about 500 lbs. We believe the attached calculations to quite closely indicate the well's capability.

Yours very truly,

*R. F. Baker*  
R. F. Baker

RFB:jcb

Attachment

14 11/10/66