

EL PASO NATURAL GAS COMPANY

P. O. Box 997
Farmington, N.M.

April 5, 1957

Mr. E. C. Arnold
Oil Conservation Commission
120 East Chaco
Aztec, New Mexico

Re: Packer Leakage Test on the El Paso
Natural Gas Company Well, Turner
1-A, SW 34-31-11, San Juan County,
New Mexico.

Dear Mr. Arnold:

This well was dually completed in the Pictured Cliffs and Mesa Verde formations. A Production Packer was set at 4353 feet. The Pictured Cliffs zone was tested March 29, 1957 with the following results:

Pictured Cliffs SIPT - 656 psig (shut-in 7 days)
Pictured Cliffs SIPC - 655 psig
Mesa Verde SIPT - 1025 psig

The casing was opened at 11:15 A.M. and flowed for three hours through a 3/4" choke.

Time	Casing Choke Pressure Psig	Temp. °F	Tubing Pressure Psig
11:15	Opened casing		1025
11:30	351		1029
11:45	259		1030
12:00	237		1030
12:15	220		1030
12:45	201		1031
1:15	183		1031
1:45	172		1031
2:15	164	67	1031

The calculated choke volume was 2385 MCF/Day. After the well was shut-in 7 days, the Mesa Verde zone was tested with the following results:

Pictured Cliffs SIPC - 674
Mesa Verde SIPT - 1057 psig (shut-in 14 days)



The tubing was opened at 10:20 A.M. through a 3/4" positive choke and flowed for three hours.

<u>Time</u>	<u>Tubing Choke Pressure Psig</u>	<u>Temp. OF</u>	<u>Casing Pressure Psig</u>
10:20	Opened tubing		674
10:35	454		676
10:50	431		677
11:05	404		677
11:20	394		677
11:50	370		677
12:20	358		677
12:50	345		677
1:20	337	70	677

The calculated choke volume was 4210 MCF/Day. The results of the tests obtained indicate there is no packer leakage.

These tests were witnessed by Mr. A. R. Kendrick of the New Mexico Oil Conservation Commission.

Very truly yours,

K. C. McBride
K. C. McBride
Gas Engineer

KCMcB/jla

cc: W. T. Hollis
W. M. Rodgers
E. J. Coel, Jr. (6)
File

