

EL PASO NATURAL GAS COMPANY

Box 997
Farmington, New Mexico

July 12, 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, Lackey No. 10-B, NE 21-28-9, San
Juan County, New Mexico.

Dear Mr. Arnold:

The subject well was dually completed in the Pictured Cliffs and Mesa Verde zones and a packer was set at 5401 feet. The Mesa Verde zone was tested through a 3/4" choke for three hours June 28, 1957 with the following data obtained:

Pictured Cliffs SIPC 628 psig
Mesa Verde SIPT 927 psig; shut-in 7 days.

| <u>Time</u> | <u>Flowing Pressure</u> | <u>Pictured Cliffs SIPC</u> | <u>Temp^oF</u> |
|-------------|-------------------------|-----------------------------|--------------------------|
| 11:15 | Opened tubing | 628 | |
| 11:30 | 347 | 629 | 71 |
| 11:45 | 280 | 629 | 72 |
| 12:00 | 241 | 629 | 72 |
| 12:15 | 224 | 629 | 72 |
| 1:15 | 184 | 629 | 74 |
| 2:15 | 167 | 629 | 75 |

The choke volume for the Mesa Verde test was 2042 MCF/D with an A.O.F. of 2289 MCF/D. The well was shut-in for 14 days and the Pictured Cliffs zone was tested July 12, 1957 through a 3/4" choke for three hours with the following data obtained:

Pictured Cliffs SIPC 696 psig; shut-in 21 days
Pictured Cliffs SIPT 696 psig
Mesa Verde SIPT 1021 psig



| <u>Time</u> | <u>Flowing Pressure</u> | <u>Mesa Verde SIPT</u> | <u>Temp °F</u> |
|-------------|-------------------------|------------------------|----------------|
| 10:55 | Opened casing | 1021 | |
| 11:10 | 481 | 1021 | 57 |
| 11:25 | 410 | 1023 | 59 |
| 11:40 | 368 | 1023 | 59 |
| 11:55 | 340 | 1023 | 60 |
| 1:55 | 224 | 1024 | 62 |

The choke volume for the Pictured Cliffs test was 2863 MCF/D with an A.O.F. of 3187 MCF/D.

The results of the above tests indicate there is no packer leakage.

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