

EL PASO NATURAL GAS COMPANY

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

February 28, 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 Daum # 4, NE 32-28-9, 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 3962'. The Pictured Cliffs zone was tested February 20, 1957 with the following results:

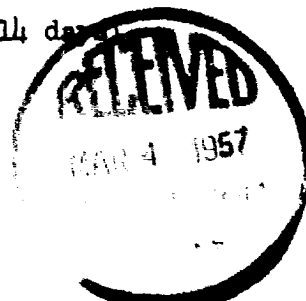
SIPC - 603 psig (shut-in 7 days)
SIPT - 1006 psig

The casing was opened at 10:35 A.M. and flowed three hours through a 3/4" choke.

<u>Time</u>	<u>Casing Choke Pressure Psig</u>	<u>Temp. °F</u>	<u>Tubing Pressure Psig</u>
10:35	603		1006
10:50	251		1005
11:05	208		1006
11:20	184		1006
11:35	167		1006
12:05	148		1007
12:35	137		1007
1:05	127		1007
1:35	120	62°	1007

The calculated choke volume was 1843 MCF/day. After the well was shut-in 7 days, the Mesa Verde zone was tested with the following results:

Pictured Cliff - SIPC 634 psig
Mesa Verde - SIPT 1036 psig (shut-in 14 days)



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The tubing was opened at 11:10 A.M. through a 3/4" positive choke and flowed for 3 hours.

<u>Time</u>	<u>Tubing Choke Pressure Psig</u>	<u>Temp. °F</u>	<u>Casing Pressure Psig</u>
11:25	520		636
11:40	431		636
11:55	408		636
12:10	386		636
12:40	364		636
1:10	348		636
1:40	336		636
2:10	327	65°	636

The calculated choke volume was 4702 MCF/day. The results of the tests obtained indicate that 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
Gas Engineer

KCMcB/jla

cc: E. E. Alsup
D. H. Tucker
W. T. Hollis
W. M. Rodgers
Drilling Department
B. D. Adams
Roland Hamblin
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