

EL PASO NATURAL GAS COMPANY

P.O. BOX 997

FARMINGTON, NEW MEXICO

March 22, 1960

Mr. E. C. Arnold
Oil Conservation Commission
1000 Rio Brazos Road
Artes, New Mexico

Dear Mr. Arnold:

Subject: San Juan 29-5 No. 13-30 (MD), Unit H, Sec. 30-29-5.

Several attempts were made to complete an initial packer leakage test on the above named well. However, the first three times the Mesa Verde zone was flowed to the atmosphere there was a pretty serious freezing condition that would not allow an acceptable test to be obtained.

After the third test was attempted alcohol was injected into the Mesa Verde casing and tubing. Then on 3/14/60, the fourth test was attempted and completed with only a slight amount of freezing in the choke above the constriction. This completed successful tests for both zones. However, the working pressure in the Mesa Verde zone was high (852 psig at end of 3 hr.) and the Dakota SIP was low (1131 psig) due to loading.

So on 3/15/60, a bottom hole bomb was run to 8068 ft. in the Dakota tubing and the Mesa Verde zone was flowed thru both sides of the casing thru 2 in. nipples to the atmosphere. The results are as follows:

Initial SI Pressures: Tbg. (D) = 1126 psig; Csg. (MV) = 1065 psig;
Tbg. (MV) = 1072 psig.

Time Since Flow Started-Min.	SIPT (D) PSIG	Work. Press. Tbg. (MV) PSIG	Flow Press. Csg. (MV) PSIG
30	1149	352	Less than 50
60	1156	302	Less than 50
180	1167	227	Less than 50

Bottom Hole Bomb: At start of test = 3427 psig
At end of test = 3447 psig

The above data indicates no communication between zones.

Yours very truly,

W. D. Dawson
W. D. Dawson
Gas Engineer

WDD/nb

cc: I.P. Distribution.

