

# El Paso Natural Gas Company

El Paso, Texas 79978

June 29, 1972

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O. C. C.  
ARTESIA, OFFICE

ADDRESS REPLY TO  
1800 WILCO BUILDING  
MIDLAND, TEXAS 79701

New Mexico Oil Conservation Commission  
Drawer DD  
Artesia, New Mexico

ATTN: Mr. W. A. Gressett

Dear Sir:

We recently drilled the Sundance Federal No. 1, located in Section 4, T-24-S, R-31-E, Eddy County, New Mexico, to 15,200 feet.

We found two producing zones, both in the Pennsylvania section. The following is a description of each zone.

## UPPER ZONE

Completion Depth: 13,691' to 13,699', 2 JSPF thru 7 5/8" liner.

Formation Description: Limestone, gray, fine crystalline, trace porosity.

Drill Stem Test: Flowed 900 MCFFD, IFP 1279#, FFP 1317#,

ISIP 8925#, FSIP 8640#, Max SIP 9220# extrapolated.

Four Point Back Pressure Test: 3.376 MMCFD

Treatment: 24,000 gallons of acid, average treatment pressure 7800#.

## LOWER ZONE

Completion Depth: 14,324' to 14,340', thru slotted 5 1/2" liner.

Formation Description: Sandstone, gray, coarse to medium grain, fair porosity.

Drill Stem Test: Flowed 5.5 MMCFD, IFP 2057#, FFP 899#, ISIP

8849#, FSIP 8716#, Max SIP 8774# extrapolated.

Four Point Back Pressure Test: 2.608 MMCFD

Treatment: 250 gallons mud acid, 2,000 gallons flush acid, average treatment pressure 6000#.