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October 10, 1990

Mr. William J. LeMay-Director New Mexico Oil Conservation Commission P.O. Box 2088 Santa Fe, NM 87501

RE: Rule 111, Deviation Tests and Directional Drilling

1016:

Dear Mr. LeMay:

Petroleum Development Corporation (PDC) applies for public hearing on November 14, 1990 to authorize the intentional deviation from the existing vertical hole using the following procedure:

- 1. Mill a 20 foot to 30 foot section in the existing $4\frac{1}{2}$ " or $5\frac{1}{2}$ " casing.
- 2. Drill a 40 foot to 50 foot radii $90^{\rm O}$ arc into the P_1 or P_2 San Andres pay zone.
- 3. Horizontally drill 200 feet to 300 feet into the pay zone.
- 4. Adequate directional surveys will be run in the deviated hole.
- 5. The horizontal hole will not be closer than 330 feet to any boundary of the 40 acre spacing tract.

PDC request permission to horizontally drill the following wells:

CATO San Andres Field

Wattam Federal #3 Unit F, Section 6, T8S, R31E. Located 1980' FNL and 1980' FWL.

CATO San Andres Field

Wattam Federal #6 Unit A, Section 7, T8S, R31E. Located 643' FNL and 782' FEL.

Tomahawk San Andres Field

Strange Federal #5 Unit F, Section 25, T7S, R31E. Located 660' FSL and 1980' FWL.

Siete San Andres Field

Siete Federal #1 Unit I, Section 17, T7S, R31E. Located 1980' FSL and 660' FEL.

PDC also request that all future wells in these fields to be horizontally drilled from existing well bores be administratively approved, providing the horizontal hole will not be closer than 330 feet to any boundary of a 40 acre spacing tract.

Attached is a list of offset operators with their correct mailing address.

Sincerely,

J.C. Johnson President

JCJ/pg

Enclosure

Yates Energy Corporation Box 2323 Roswell, NM 88202-2323

Murphy Operating Corporation P.O. Box 2648 Roswell NM 88202

Yates Petroleum Corporation 105 South 4th Artesia, NM 88210

Mountain States Petroleum Corporation P.O. Box 1936 Roswell, NM 88202

H.L. Brown, Jr. 1400 Murray Midland, TX 79701

Read and Stevens, Inc. Box 1518 Roswell, NM 88201

Nauman Oil and Gas, Inc. P.O. Box 10159 Midland, TX 79702

Kerr-McGee Corporation Box 11050 Midland, TX 79701

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Sec.	Township	No.	outh_of	Range No	31 5451

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SFG Enterprise
Strange Federal WILL No. 5

660'FSL - 1980'FWL

Soud: 7/18/80 T.D. id - 4305'

5'12 inch casing to 4295

San Andres perts. - 3801-4215

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