



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION  
ARTESIA DISTRICT OFFICE

BRUCE KING  
GOVERNOR

LARRY KEHOE  
SECRETARY

March 11, 1982

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ARTESIA, NEW MEXICO 88210  
(505) 748-1283

Mesa Petroleum Company  
1000 Vaughn Building  
Midland, Tx 79701

Re: See Attachment

Gentlemen:

There has arisen a need to study the Diamond Mound-Atoka and Morrow gas pools. The reasoning being:

- (1) Complexities in correlation due to the depositional surface and nature of the reservoir.
- (2) Splitting of production history into two pool names based on existing correlations.
- (3) Potential commingling difficulties.
- (4) Operators disagreement on the Morrow and Atoka formation tops.

A feasible solution is:

- (1) Abolish the Diamond Mound-Morrow gas pool.
- (2) Extend the Diamond Mound-Atoka gas pool to include the acreage of said abolished pool.
- (3) Extend the vertical limits of the Diamond Mound-Atoka gas pool to include the Morrow formation. Rename said pool to the Diamond Mound-Atoka/Morrow gas pool.

If you have any questions regarding this matter feel free to contact me at this office.

Sincerely,

*Larry Brooks*  
Larry Brooks  
Geologist

LB:jw

Bogle State                      1-I, 2-16S-27E

Cook Federal                      1 H, 10-16S-27E

Diamond Mound Federal        1 T, 1-16S-27E

Diamond Mound Federal        2-R, 1-16S-27E

Fuller Federal                   1-K, 10-16S-27E

Wells Federal                   1-F, 11-16S-27E

Williamson Fed. Com           1-C, 12-16S-27E

Williamson Fed. Com           2-K, 12-16S-27E

Wells Fed.                       2 G, 11-16S-27E

These wells are in the Diamond Mound-Atoka Pool

Depco Fed.                       1 K, 4-16S-28E

Derrick Fed.                    1-K, 5-16S-28E

Derrick Fed.                    2-I, 5-16S-28E

White State                    1-D, 35-15S-27E

White State                    2-F, 35-15S-27E

Theses wells are in the Diamond Mound-Morrow Pool