DOCKET: Examiners Heraing - Thursday - April 22, 1993

Case #10713

STRANGE FEDERAL #4

Exhibit #1 Map

Exhibit #2 Offset Operators

Exhibit #3 Horizontal Drilling Procedure

Exhibit #4 Schematic

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STRANGE FEDERAL #4 Section 25, T7S, R31E

Offset Operators:

Yates Petroleum Corporation 105 South 4th Artesia, NM 88210

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

Docket: Examiners Hearing - Thursday, April 22, 1993

EXHIBIT #3

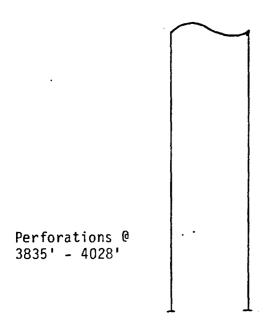
Case #10713

STRANGE FEDERAL #4
Unit H, NE/4SE/4, Section 25
T7S, R31E
Tomahawk San Andres Field
Chaves County, New Mexico

HORIZONTAL DRILLING PROCEDURE

- 1. Set cement retainer @ 4047 feet. Cement squeeze perforations 4065' to 4258'.
- 2. Set packer @ 3539'. Cement squeeze perforations 3835' to 4028'.
- 3. Drill out cement to 4045'.
- 4. Mill section in $5\frac{1}{2}$ " casing from approximately 3970' to 4030'. Set cement plug. Drill out cement to approximately 4004'.
- 5. Run directional survey.
- 6. Kickoff cement plug at approximately 4004'.
- 7. Drill 60 feet radii curve to an inclination of approximately 85 to 90 degrees. Conduct surveys every 5 feet of the arc.
- 8. Drill laterally approximately 720'+ in a direction of our choice, through a vertical depth of approximately 4064' to 4108'.
- 9. Conduct surveys every 30 feet in the lateral.
- 10. A distance of 100 feet will be maintained by the horizontal hole from the boundaries of the 40 acre tract.

STRANGE FEDERAL #4



Mill 5½" casing 3970' - 4030'

Cement plug 4008' - 4047' Cement retainer @ 4047' + 5 k2 push.

Perforations 4065' - 4258'

