

DOCKET: Examiners Hearing - 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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EXHIBIT #2

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

Case #10713

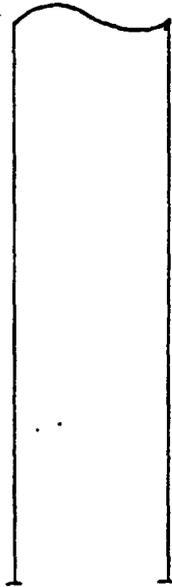
STRANGE FEDERAL #4
Unit H, NE/4SE/4, Section 25
T7S, R31E
Tomahawk San Andres Field
Chaves County, New Mexico

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 5½" 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

Perforations @
3835' - 4028'



Mill 5 1/2" casing
3970' - 4030'

Cement plug
4008' - 4047'

Cement retainer
@ 4047' *dash 2
mfr.*

Perforations
4065' - 4258'

