
I N T E R O F F I C E M E M O R A N D U M

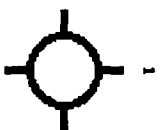
DATE: 6 April 2000
TO: LYNDA TOWNSEND
FROM: ROBERT A. HEFNER IV

RE: UNORTHODOX WELL LOCATION APPLICATION
TEAGUE 1-22
2,272' FNL & 2,125'FWL
W/2 Section 22 of T16S-R36E, Lea County, New Mexico

An unorthodox location is requested for the referenced wellbore. The plan is to drill to an estimated total depth of 12,650' to adequately test the Atoka/Morrow formations. The field rules require 660 feet for an offset. The proposed well would, therefore, be 292 feet unorthodox to the south. Chesapeake is the only offset operator to the south, and we would, therefore, be unorthodox to ourselves.

The requested unorthodox location would provide Chesapeake with a location that would test the Atoka/Morrow formations on the up-thrown side of a subsurface fault (see attached structure map on the Atoka generated from 3D seismic volume). The Atoka/Morrow formations have been proven to be wet if structurally too low in Atoka/Morrow wells drilled to the west in 16S/35E. It is therefore critical that maximum structural attitude be encountered to provide us with the highest probability of a successful test.

MESAPPEAKE Teague I-22 Structural Cross Section



SANTA FE ENERGY
CLYDEDALE STATE 1
016.06 034.02 015
3877.0 R KB
3002506298



SHELL
STATE CA 1
016.06 034.02 023
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