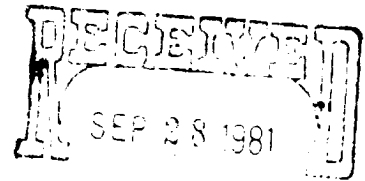


August 11, 1981



DIV. OF
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

Re: Equitable Petroleum Corp.
Exxon-Federal #1
Lea County, New Mexico
Sample Description

- 4436-38 Anhydrite-blk shale (Sdy)-Red sand ect (Caving's)
trace - Gray shy sd.
- 4438-40 Sd: gray - dk gray, sl friable, argillaceous,
faint odor, fair taste, spotted to sploched,
pale yellow fluorescence.
- 4440-42 Sd:lt. gry-white, very fine, soft, friable,
sl. shy. calcarious, faint odor, good fluorescence,
pale blue white, light cut.
- 4442-44 Sd: Lt. gry-tan, vf to fine grain, soft, friable,
Sc tr argillaceous inclusions, tr vf pink feldspar,
calcarious cemt. very faint odor, good blue-white
fluorescence, light cut.

NOTE: Pumped abundant cement (hard) red beds, anhydrite
red sd - blk sdy sh. for several hours before hole
started cleaning up.

Bill Ford
Consulting Geologist
8/81