

GEORGE W. STRAKE  
3300 GULF BUILDING  
HOUSTON, TEXAS

West Texas District Office  
POST OFFICE BOX 837  
WINTERS, TEXAS

March 3, 1962

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New Mexico Oil and Gas Commission  
P. O. Box 871  
Santa Fe, New Mexico

Attention: Mr. E. A. Utz

Re: Examiner's Hearing, Case 2501

Dear Sir:

Enclosed are copies of a correlated section prepared from a log taken in the Humble Oil and Refining Company's - Federal Bogle #1, Sec. 30, T16S, R30E, and a log taken in the G. W. Strake - Union Federal #1, Sec. 23, T19S, R30E. The Federal Bogle #1 was selected by the Roswell Geological Society as a type log and section in reference to their studies to clarify stratigraphic relationships and nomenclature of the Permian shelf formations of Southeastern New Mexico. The Strake - Union Federal #1 was used, to correlate into the area of questionable formation tops, as it is the deepest test in the area.

The formation in question (Case 2501), was presented to you as being the Seven Rivers Dolomite based on this correlation of the above logs and on the lithology observed in cores taken in the area.

The Queen formation is questioned in the Strake - Union Federal #1, as we felt sure the Capitan Reef had been penetrated before reaching that depth and the tight stringer of sand was a dolomitic sand in the Strake - Union Federal as opposed to the Queen Sand being a quartzitic sand.

The question was raised as to the development and time equivalents of the Capitan Reef; therefore, I am enclosing a north-south correlation section prepared by the Roswell Geological Society which helps clarify this geologic nomenclature.

I wish to say again that we certainly enjoyed meeting you, Mr. Porter and Mr. Morris, and we are looking forward to another visit to your picturesque city.

Yours very truly,



John Davis

JD:ce

cc: Houston, Texas