Western Natural Gas Company 211½ West Main Farmington, New Mexico December 18, 1959

New Mexico Oil Conservation Commission 1000 Rio Brazos Read Aztec, New Mexico

Attn: Mr. Emery Arnold

Dear Mr Arnold:

Enclosed please find geological horizon tops as determined from ES Induction log on the Keeling-Federal #1 well. The below listed tops were not included on USGS 9-330 forms that have been submitted.

Kirtland	1348
Pictured Cliffs	1952
Lewis shale	2052
Mesa Verde	2803
Cliff House	355 <b>3</b>
Point Lookout	4320
Mancos	4500
Gallup (Niobrara)	5434
Gallup (Skelly)	5552
Gallup (Sullivan)	5612
Gallup (Nelson)	5710
Sanastee	5942
Carlisle	6044
Greenhorn	6272
Graneres shale	6324
Graneros sandstone	6344
lst Dakota	6428
2nd Dakota	6508
3rd Dakota	657 <b>6</b>
4th Dakota	6634
Estimated Morrison	6690

Best regards,

Calvin M. Rayes

20-25-8