

Phillips Petroleum Company

San Juan 30-5 Unit No. 253

10/2/97

NE Sec^G 14, T30N - R5W

Rio Arriba County, New Mexico

Comments

Well was drilled with a 6 1/4", HTC, type GTI bit from the 7" casing shoe at 3284' to 3453'. Total depth is 50' past the base of the last coal. After drill out, 6 1/4" hole underreamed to 9 1/2" with a Baker Tools PDC (diamond enhanced) underreamer.

General Coal Characteristics

There is an upper 3' coal at 3319' to 3322' that is mostly dull black and some semi bright satin with rare bright black vitreous micro laminations. The main coal package from 3364' to 3403' is primarily semi bright black satin with some dull black to grayish and brownish black and rare bright black vitreous material as thin bands or lenses. Some bright black vitreous and moderately bright black sub vitreous micro laminations in satin and dull matrix. These coals are poorly cleated with rare conchoidal fractures. Coal intervals are separated by dark grayish brown carbonaceous shale interbeds.

Natural Fracturing

Minor evidence of natural fracturing. Trace amounts of light gray to clear micro fracture filling calcite seen in coal samples from 3364' to 3403'.

by
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