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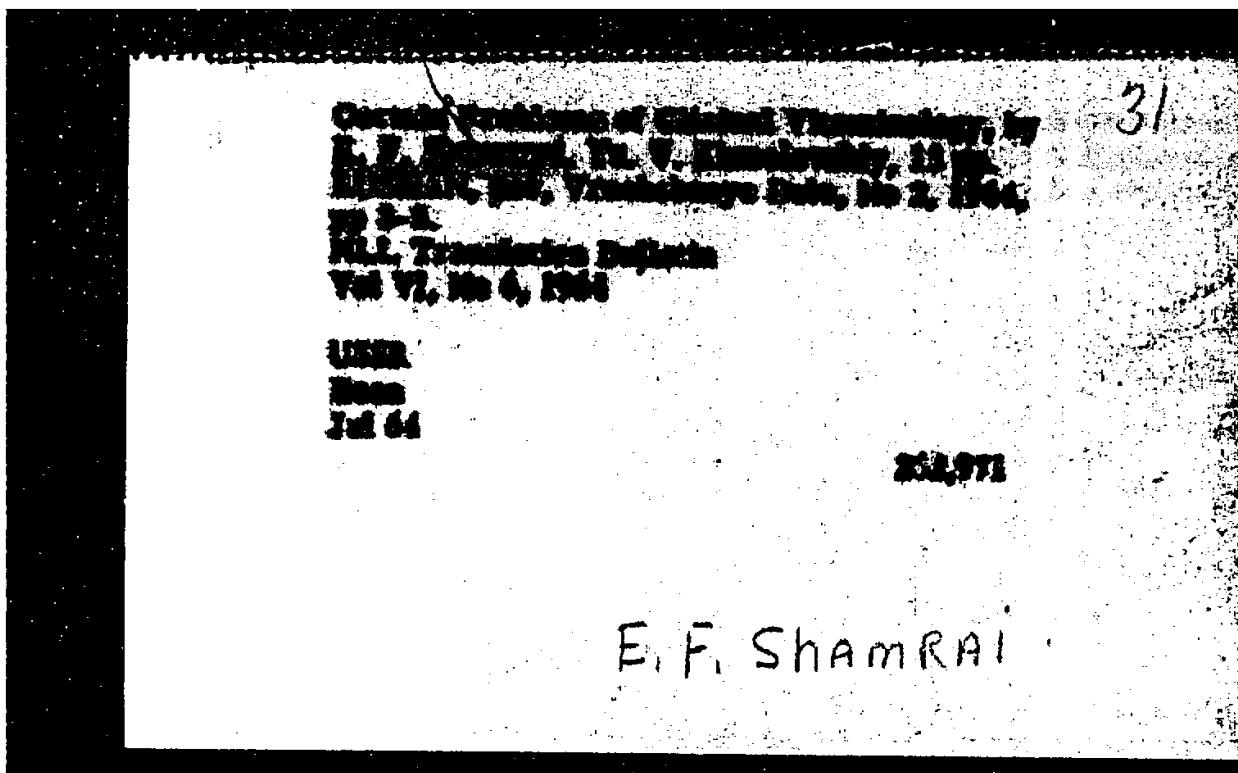
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DESCRIPTORS: *Rock, Mechanical properties, *Well
drilling, Drilling fluids, Clay, Density.

An analysis shows that the drilling resistance of rock
depends to a considerable degree on the conditions of
occurrence of the rock and the specific gravity of the
clay suspension used. An increase in the specific grav-
ity of the clay suspension leads to a considerable de-
crease in the mechanical rate of sinking of the well and
a relatively greater degree of wear of the bit, owing to
the fact that the bit must overcome a greater degree of
(Earth Sciences--Geology, TT, v. 9, no. 3) (over)

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