

agricultural limestone could be used, this market might be satisfied, later.

The agricultural lime situation here is peculiar. The farmer needs lime for his land. The federal government will pay the farmer a bonus for all land limed. Yet practically every venture to provide the farmer with lime has failed, not because he doesn't ~~use~~ need the lime, nor that he cannot be paid for putting it on his land, but simply that when it comes to purchasing and giving coin of the realm in exchange, he does not do it. At present the county agricultural agent is sponsoring the use of shell from the beach. It is "ground" by a crude, home-made device that crushes to pieces about one-quarter to one-half inch in size. It is reported to me, that this material is not successful, as it does not decompose. Apparently it is too coarse.

Conclusions: Heavy overburden makes accurate determinations impossible. The following is a "gestimation": (1) the limestone occurs as a bed that dips about  $60^{\circ}$  S.  $20^{\circ}$  E. Its upper limit is the bench above the upper cut, some 250 feet above the road; its lower limit is unknown. Its thickness is unknown it may range from 5 to 100 feet. Its probable width is 200 feet. No reliable estimate of quantity can be made, but the U.S.E.D. figure of 80,000 tons may be an indication of available rock. (2) Quality is about 85 percent  $\text{CaCO}_3$ , indicating use as agricultural limestone but not as "paper rock". It is doubtful if the quality will improve. (3) Stat highway tests indicate usefulness for road metal. (4) It is recommended that it be used for road metal in order to get the quarry opened. Later use would depend upon an agricultural-lime market, or probable flux for metallurgical industries.

Report requested by J. W. Deany, Marshfield, Oregon, for S. V. Smith, 905 North 8th, Marshfield, Oregon.

Assistance: S. V. Smith accompanied the writer to the property and guided him.

Report by: Ray C. Treasher, 4/30/40.

# State Department of Geology and Mineral Industries

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## OWEN SILICA

Powers

? { Coos  
Curry County

A deposit of white quartz crops out on the ridge which forms the divide between the South Coquille and Rogue River drainages. The deposit lies a mile or so west of the Powers-Illahe Road on a CCC road running along the divide. No development had been done in 1942. Several hundred tons of quartz were exposed as a knob, with considerable additional tonnage probably concealed below. A mining claim staked by Robert Owen covered the deposit. Legal description is T. 33 S., R. 12 W. on the Coos-Curry County line.

R. S. Mason  
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