





EXPLANATION


  
Subsurface bauxitic clay deposit  
Minimum alumina content, 40 percent.  
Outer dashed line is assumed limit of deposit. Inner lines are isopachs; isopach interval, 10 feet


  
Subsurface kaolin deposit  
Minimum alumina content, 35 percent.  
Outer dashed lines are assumed limits of deposits. Inner lines are isopachs; isopach interval, 10 feet


  
Drill hole  
Upper number is hole number; lower number is thickness of kaolin; number in parentheses is thickness of bauxitic clay. Holes numbered less than 50 are U. S. Bur. Mines power-auger holes; those numbered above 50 are hand-auger holes. "D" preceding hole number indicates a hand-auger hole by Mississippi Geol. Survey

  
Drill hole penetrating channel-type clays

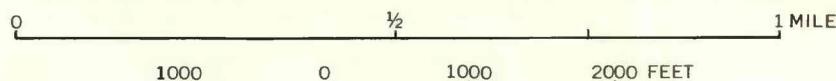
  
Drill hole penetrating gradational-type clays

  
Drill hole penetrating channel- and gradational-type clays

  
Contour drawn on base of cross-bedded sand of Wilcox Formation  
Dashed where approximate; dotted where projected above present surface. Contour interval, 10 feet; datum is mean sea level

  
Contour drawn on base of channel deposits  
Dashed where approximate; dotted where projected above present surface. Datum is mean sea level

SUBSURFACE CONTOUR MAP OF THE PINEDALE AREA, UNION COUNTY MISSISSIPPI, SHOWING THE EXTENT AND THICKNESS OF DEPOSITS HAVING MINIMUMS OF 35 AND 40 PERCENT OF ALUMINA



Geologic interpretation by L. C. Conant, 1942-43