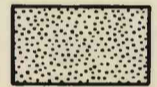

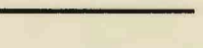
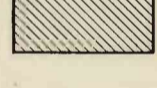
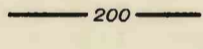


EXPLANATION

-  Outcrop area of Madison Group, rocks of equivalent age, and certain adjacent rocks (from Keefer, 1974, and Darton, 1951)
-  Approximate subsurface limit of Madison Group
-  Fault exposed at the surface
-  No-flow boundary cell
-  Line of equal predicted potentiometric drawdown. Interval 40, 50, and 100 feet

HYDRAULIC PARAMETERS

Pumping rate = 20 ft³/s (0.57 m³/s)
Storage coefficient = 0.00005
Leakance = 10⁻¹² (ft/s)/ft [(m/s)/m]

Base from U.S. Geological Survey
1:1,000,000

COMPUTED DRAWDOWN ASSUMING LEAKY CONDITIONS IN MADISON AQUIFER AFTER 100 YEARS OF HYPOTHETICAL PUMPING IN NIOBRARA COUNTY, WYOMING

