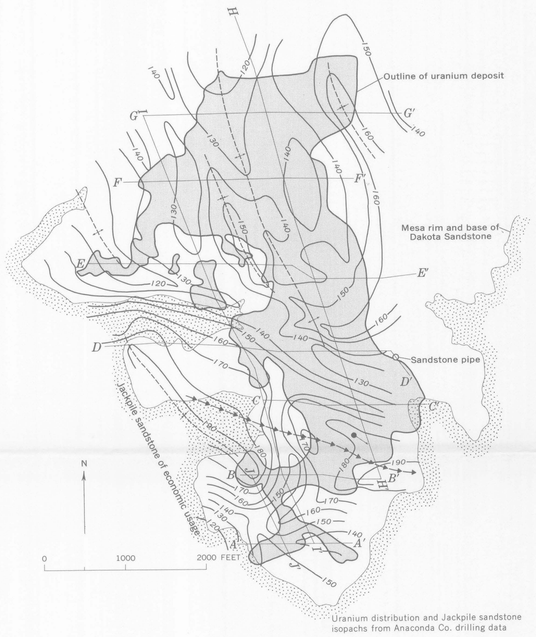


Uranium distribution and Jackpile sandstone isopachs from Anaconda Co. drilling data

A. MAP OF JACKPILE URANIUM DEPOSIT AND LOCATION OF FENCE DIAGRAM

EXPLANATION

DATA SHOWN ON MAP

Jurassic anticline
Dashed where inferred

Inferred Jurassic syncline

Inferred paleochannel
Arrows point in probable direction of streamflow

Dominant dip direction of 110 crossbedding readings in southern part of open pit

Isopach
Showing thickness of Jackpile sandstone of economic usage. Interval 10 feet.

DATA SHOWN ON FENCE DIAGRAM

Sandstone and mudstone intimately mixed in sandstone pipe

Nonuraniferous fragmental carbonaceous material in sandstone pipe

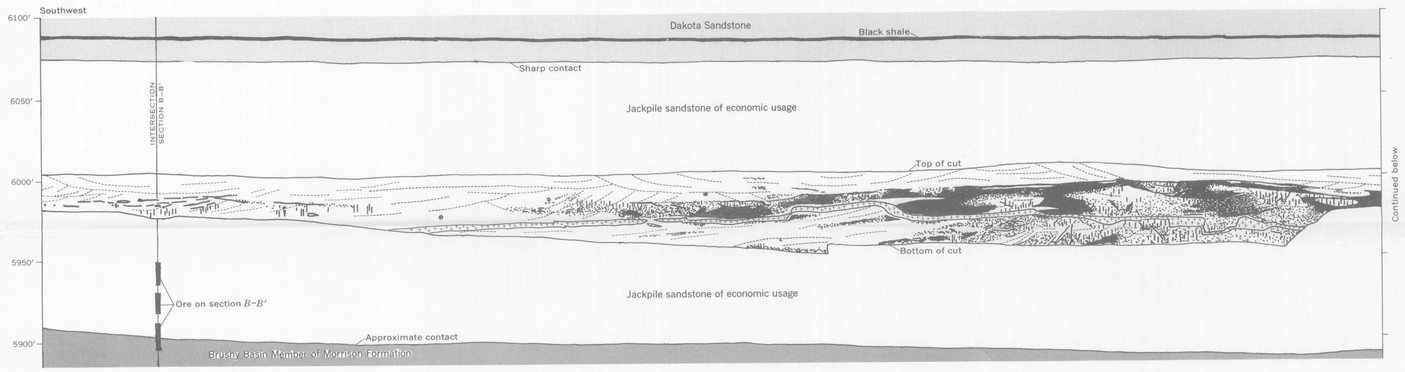
Uranium deposit

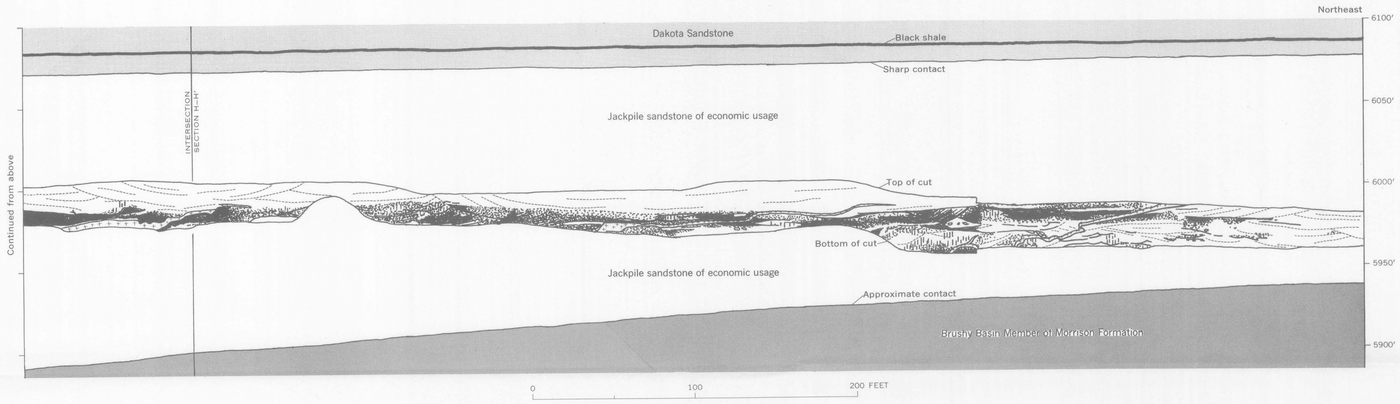
DATA SHOWN ON SKETCH OF CUT

Crossbedded sandstone

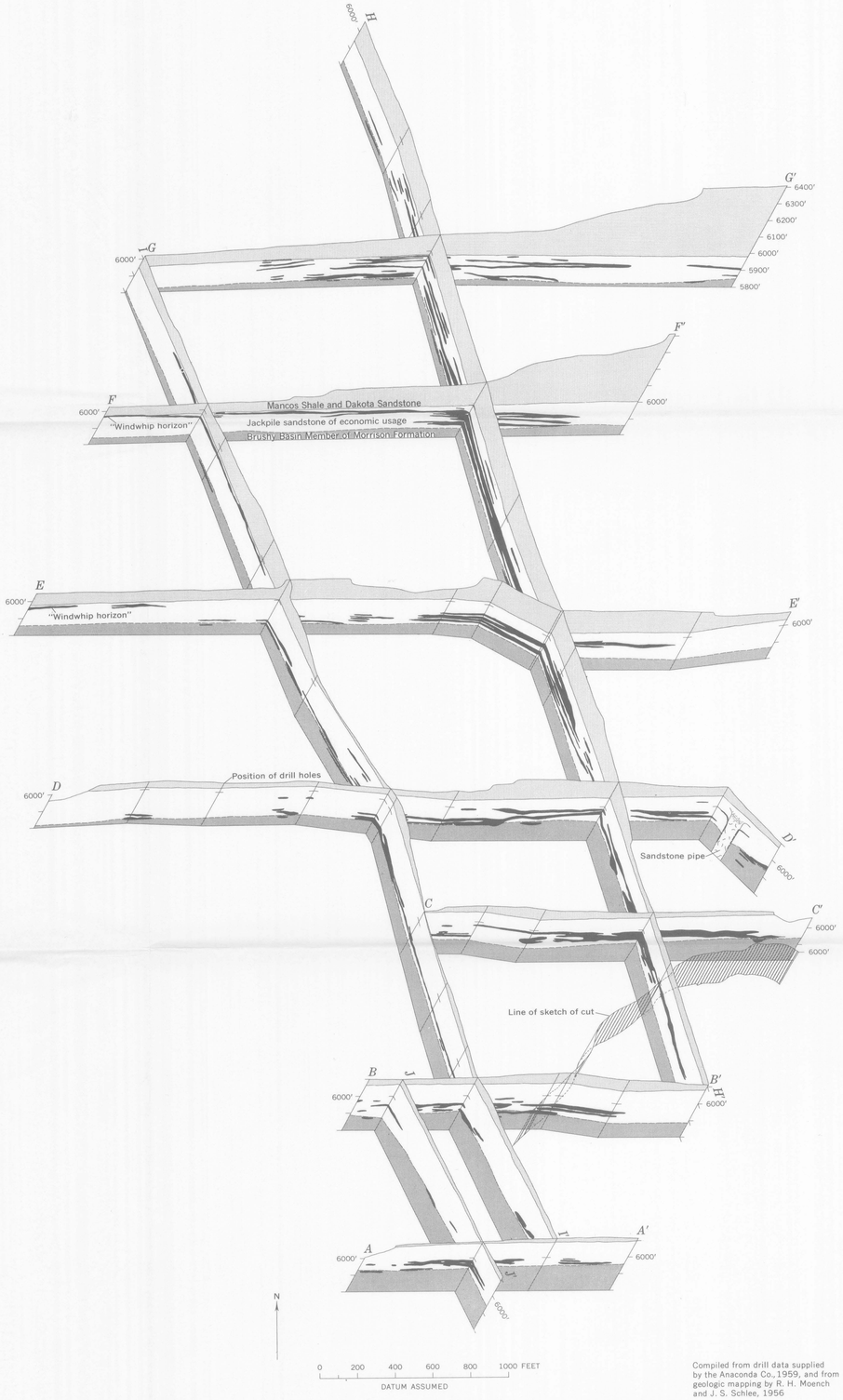
Diabase

2.5–4 4.5–6 6.5–8
Degree of blackness imparted by uraniferous carbonaceous matter
Color based on rock color chart, Goddard (1948). Vertical lines indicate ore rods





C. SKETCH OF CUT ACROSS SOUTHERN END OF NORTH ORE BODY



Compiled from drill data supplied by the Anaconda Co., 1959, and from geologic mapping by R. H. Moench and J. S. Schlee, 1956

B. FENCE DIAGRAM OF THE JACKPILE URANIUM DEPOSIT

MAP, FENCE DIAGRAM, AND SECTION OF THE JACKPILE URANIUM DEPOSIT, JACKPILE MINE VALENCIA COUNTY, NEW MEXICO

221-688 O - 67 (In pocket)