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Orig Mine file
cc DRN

United States Department of the Interior

OFFICE OF SURFACE MINING
Reclamation and Enforcement
BROOKS TOWERS
1020 15TH STREET
DENVER, COLORADO 80202

JAN 15 1985

ACT/015/015
#2

Mr. Ervin Anderson
Consolidation Coal Co.
Mid Continent Region
12755 Olive Boulevard
St. Louis, Missouri 63141

Dear Mr. Anderson:

Enclosed are the diagrams produced as a result of our computer modeling work to simulate the drawdown effect of mining on the Ferron aquifer system. The diagrams illustrate the net effect following 15 and 25 years of mining. At this time, based on our preliminary interpretation of these results, we do not feel that preparation of an environmental impact statement (EIS) will be required. However, the ultimate decision will be made upon completion of the environmental analysis (EA) of our repermitting decision. The Office of Surface Mining (OSM) Western Technical Center is now beginning preparation of the EA for the Emery Deep Mine to assess the potential impacts to the environment as a result of the proposed mining.

If you should have any questions about the modeling results, or the EA process please call either Louis Hamm or Walter Swain at (303) 844-3806.

Sincerely,

Allen D. Klein

Allen D. Klein
Administrator
Western Technical Center

Enclosure

cc: Robert Hagen, OSM Albuquerque Field Office
Dianne Nielson, DOGM
Susan Linner, DOGM

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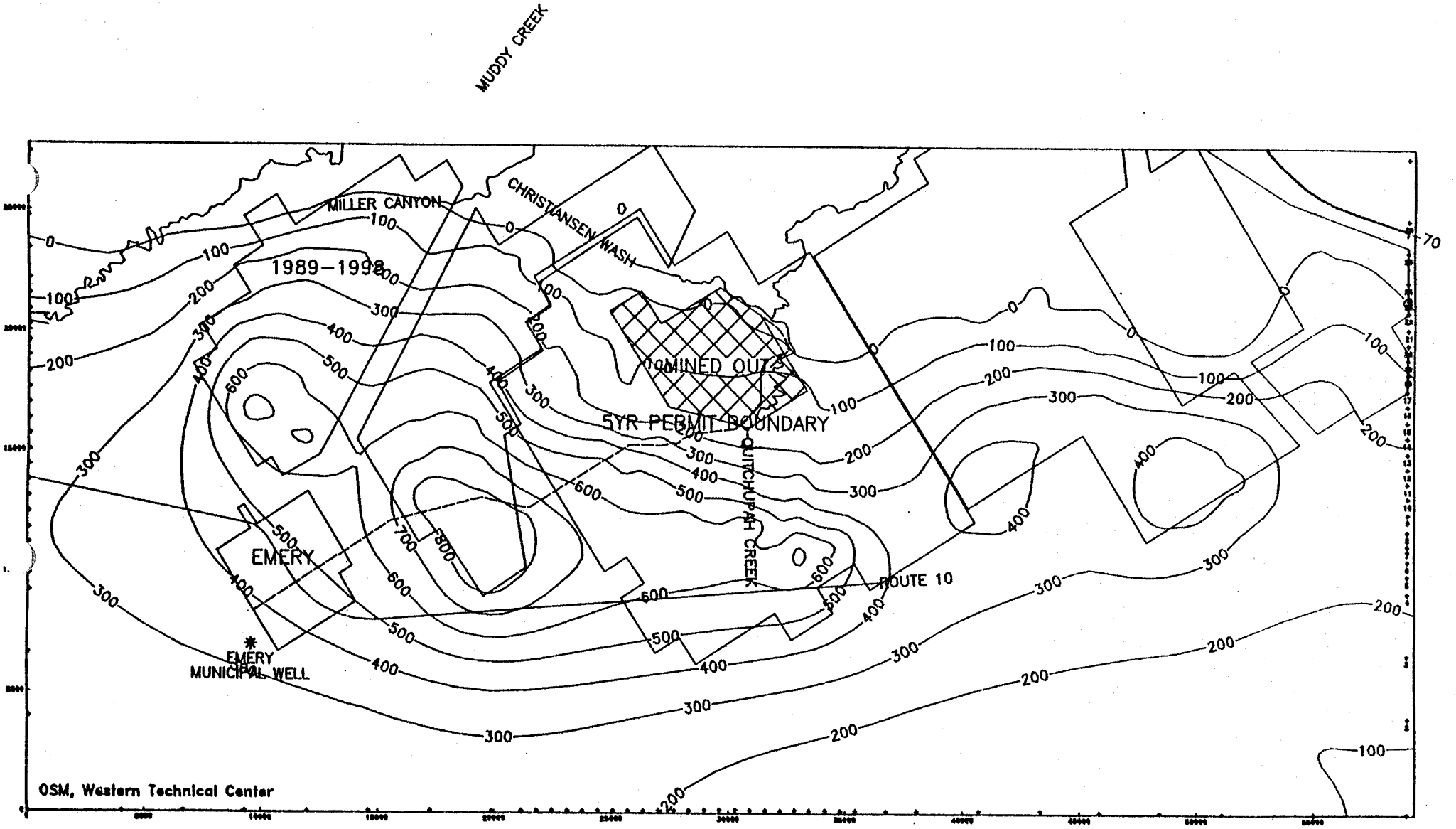
DIVISION OF
OIL, GAS & MINING

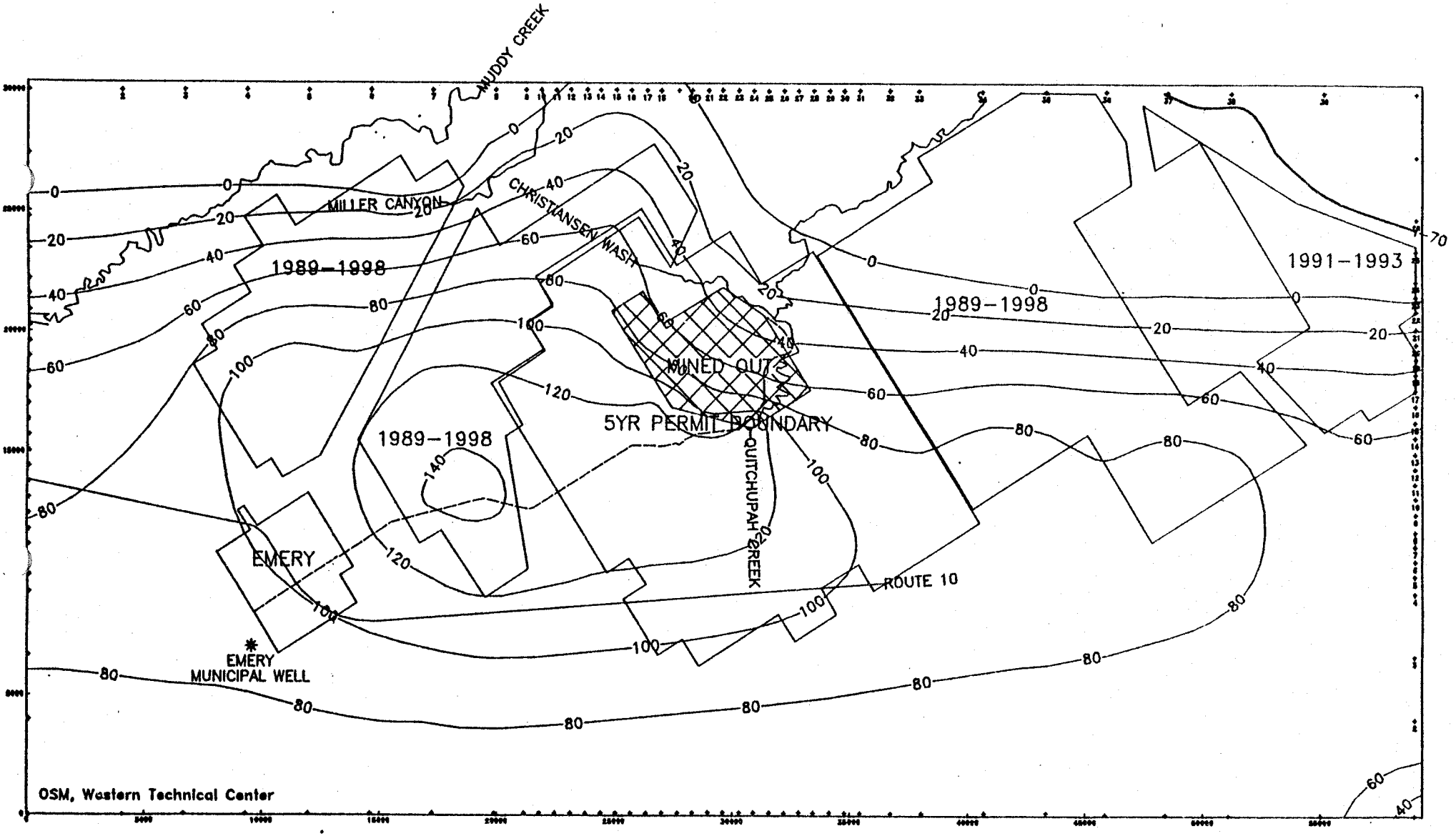
Emery Deep Mine

Drawdown Upper Ferron Aquifer 2009



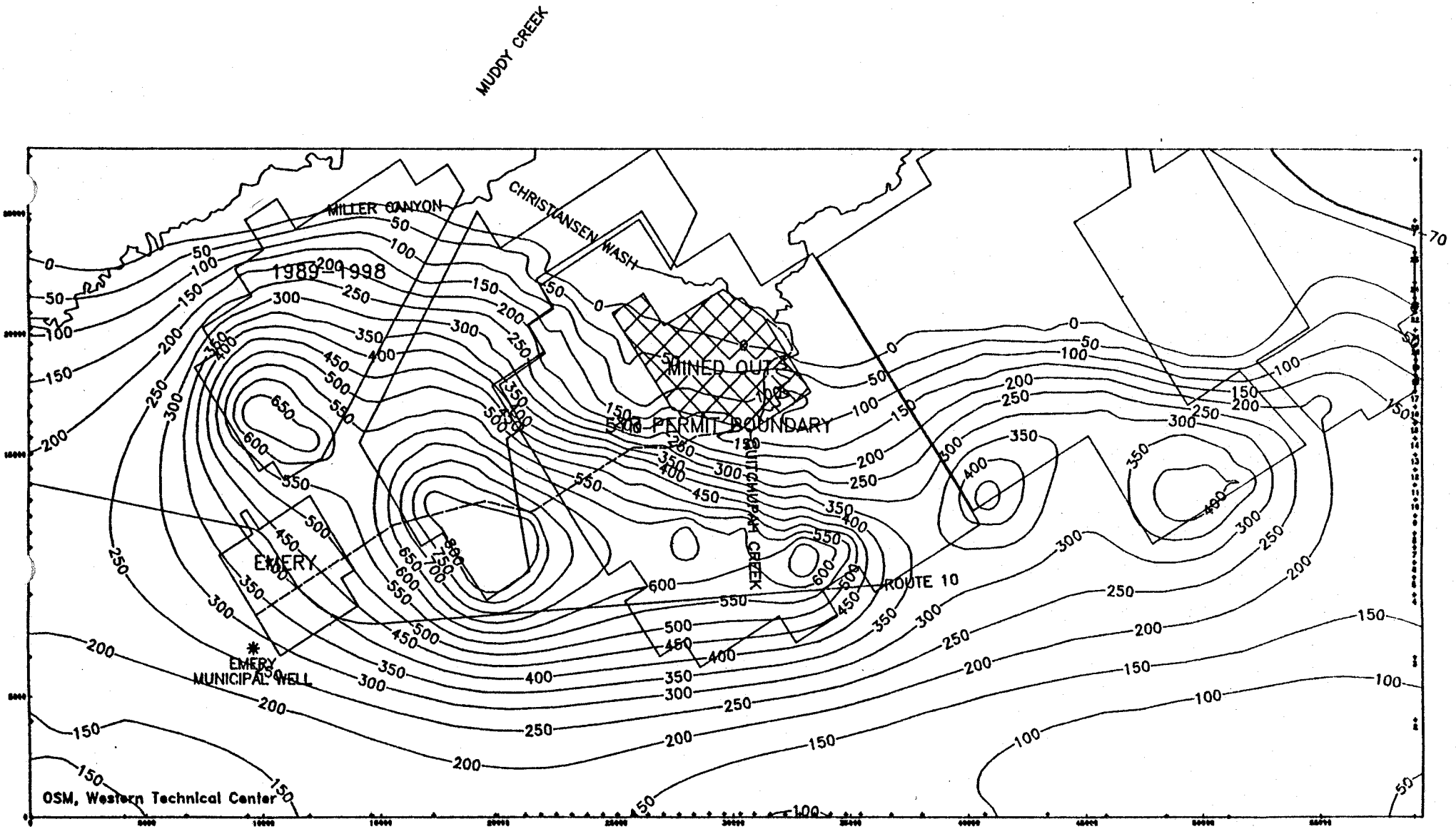
Emery Deep Mine

Drawdown Lower Ferron Aquifer 1998



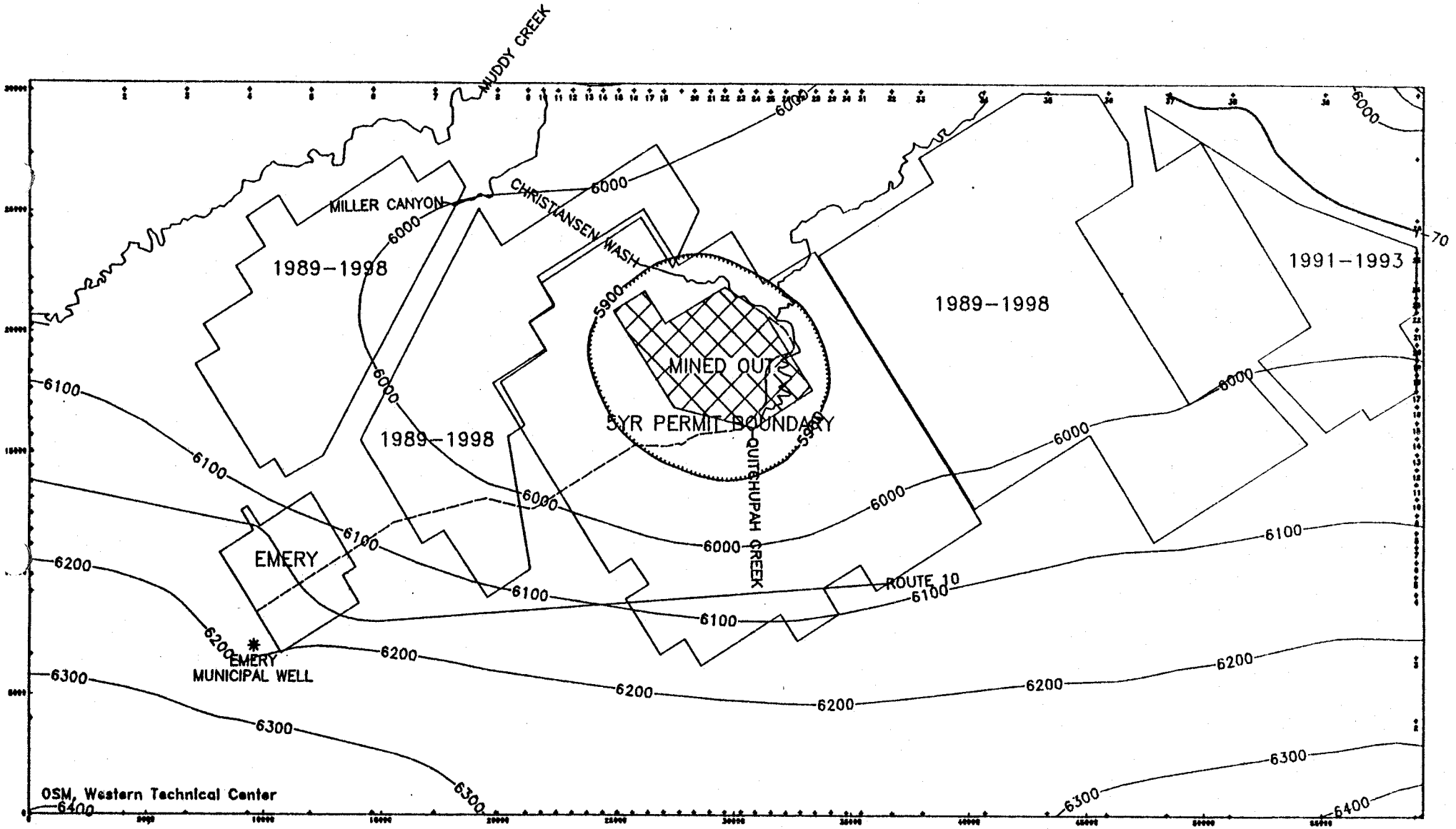
Emery Deep Mine

Drawdown Upper Ferron Aquifer 1998



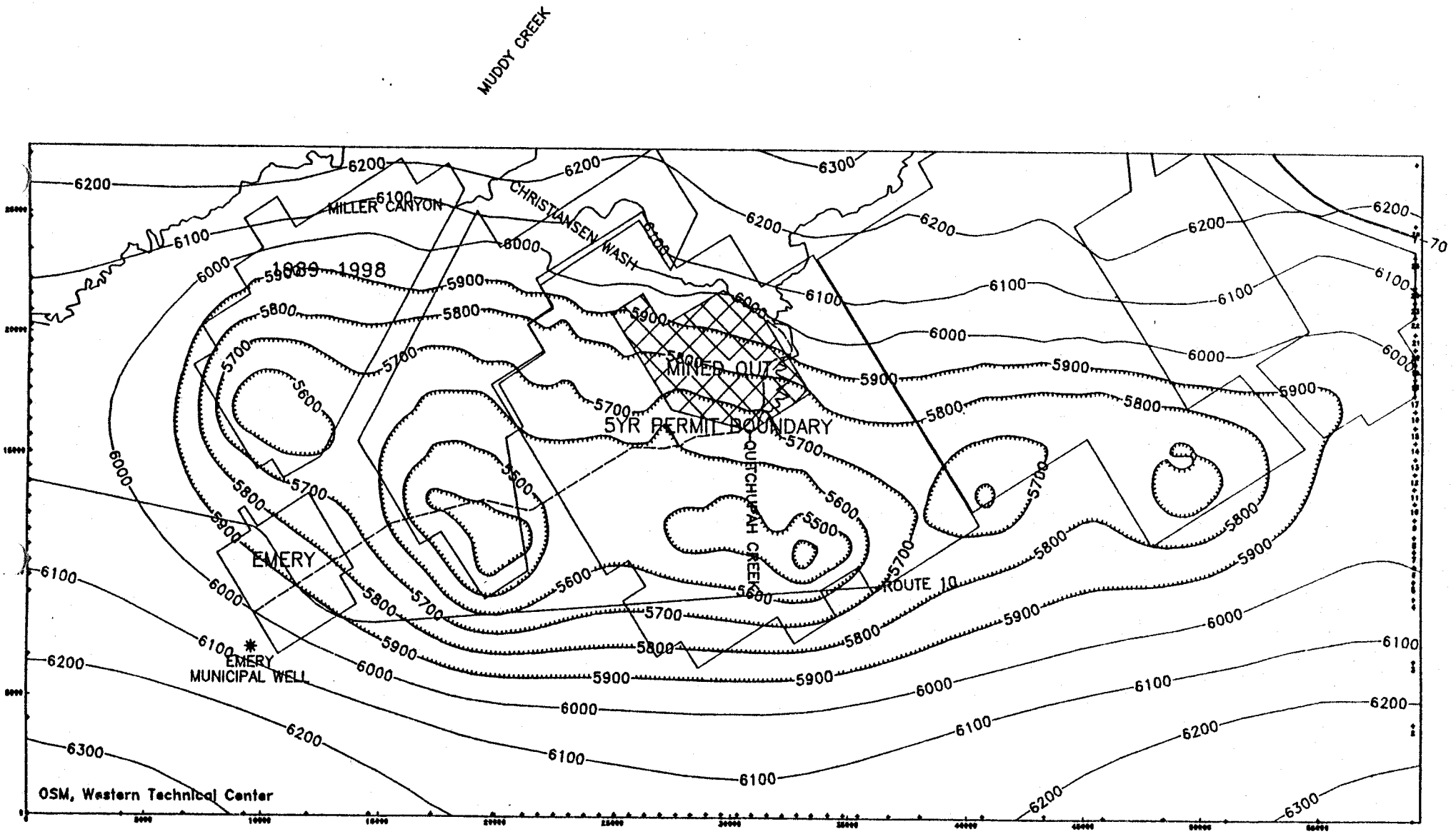
Emery Deep Mine

Potentiometric Surface Lower Ferron Aquifer 1998



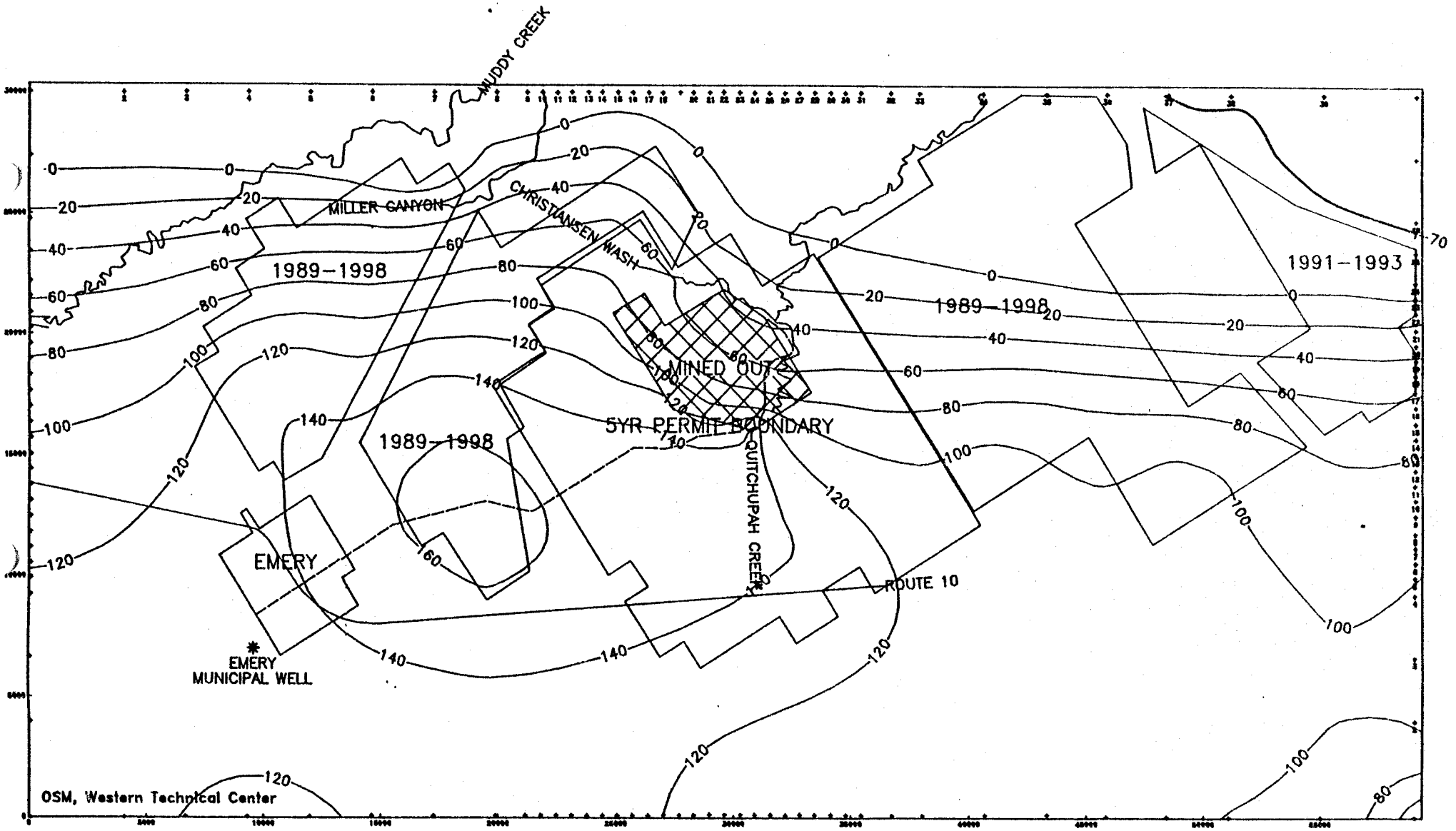
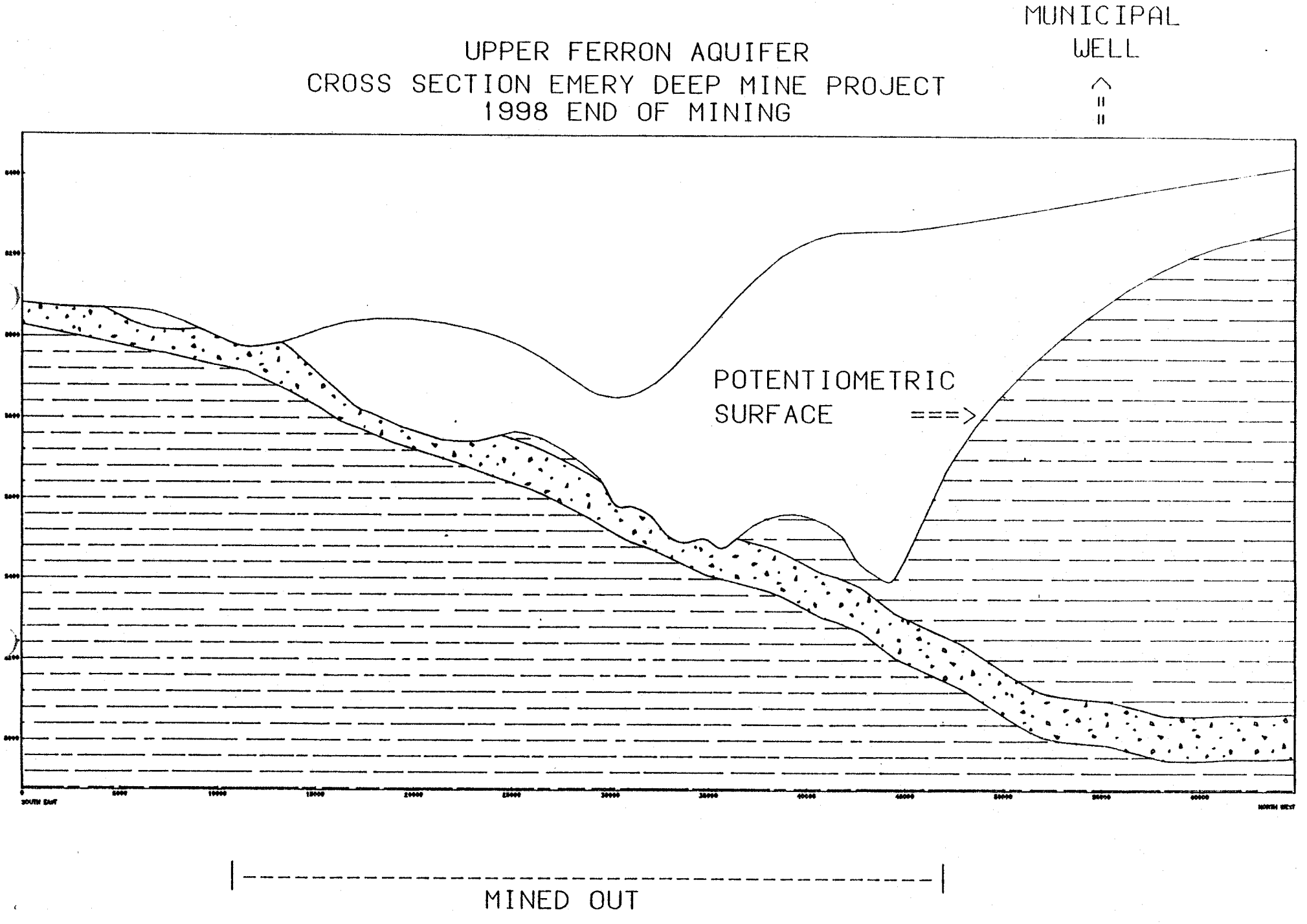
Emery Deep Mine

Potentiometric Surface Upper Ferron Aquifer 1998



Emery Deep Mine

Drawdown Lower Ferron Aquifer 2009



UPPER FERRON AQUIFER
CROSS SECTION EMERY DEEP MINE PROJECT
1998 END OF MINING