United States Department of Agriculture

NRCS

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NEW MEXICO BULLETIN NO. 210-11-07

SUBJECT: ENG – Well Pumping and Abandonment Cost Calculator and Cross-Section Analyzer.

TO: All Employees

Purpose: To notify employees of the availability of two Excel spreadsheets, which can assist in planning and design efforts.

Expiration Date: December 30, 2011

A spreadsheet that calculates pumping costs for an irrigation or entire year for various fuels has been developed. In addition, the cost of well abandonment for planning purposes is included. The spreadsheet is available on the Engineering Sharepoint as Pumping Cost_NM-2011.xlsx. It is located under Tools & References and then click on Design Spreadsheets.

The cross-section analyzer spreadsheet is also on the Engineering Sharepoint under Tools & References; Design Spreadsheets. The cross-section analyzer develops rating curves for irregular cross sections. It is based on Manning formula so you need Manning's N values and channel slope. This Excel spreadsheet replaces our Chanflow program and provides more information about flow conditions. The spreadsheet uses visual basic macros, so you must allow macros to operate in Excel for the spreadsheet to operate.

The Tools and References document library has other planning and design tools. Please review and use these tools as appropriate. The engineering section can assist if you have any questions. Also if you have a Tool or Reference that would help others, share it with your area or state engineering staff, who will perform a review and then post it for use.

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State Conservationist