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NEBRASKA WELL DRILLERS
ASSOCIATION

GROUNDWATER
SEMINAR

JANUARY 14-15, 1969

Sponsored by
CONSERVATION AND SURVEY DIVISION
of
THE UNIVERSITY OF NEBRASKA
at
THE NEBRASKA CENTER
38rd and Holdrege
NEBRASKA WELL DRILLERS ASSOCIATION

Program of Seminar

TUESDAY, JANUARY 14, 1969

8:00 A.M.  Registration

9:00 A.M.  Welcome to Seminar .............. Vincent H. Dreesen
            Acting Director, Conservation and Survey Division, University of Nebraska

9:30 A.M.  Groundwater Movement ....... Dr. Donald W. Edwards
            Associate Professor of Agricultural Engineering, University of Nebraska
            A tour of the hydraulics laboratories of the Agriculture Engineering College—demonstrations, models, and tests.

12:00 NOON  Lunch

1:00 P.M.  Construction and Development of Stock and Domestic Wells ......... Maurice D. Veatch
            Hydrologist, Conservation and Survey Division, University of Nebraska
            Methods of determining type and slot size of screen, type and size of casing to be used, gravel pack, and methods of development.

2:00 P.M.  Construction and Development of Large-Diameter Wells ............. Vance Anderson
            Western Land Roller Company, Hastings
            Methods of determining screen and slot size, the selection and type of casing, and the techniques of construction and development.

3:00 P.M.  Coffee break

3:30 P.M.  Acid Treatment to Develop Wells .......................... Richard Heckman
            Engineer, Layne-Western Company, Omaha
            Techniques and equipment needed for the development of wells by acid.

5:00 P.M.  End of first day session

WEDNESDAY, JANUARY 15, 1969

8:30 A.M.  Use of Air in Well Drilling ................... Ken Haggard
            Haggard Drilling Co., Ogallala, and Larry Whitesly
            Sargent Irrigation Co., Broken Bow
            Techniques and equipment needed to utilize air in well drilling.

9:15 A.M.  Jetting Tool for Development of Wells .................... Dean Christensen
            Christensen Well Company, Omaha, and Paul Fischbach
            Professor of Agricultural Engineering, University of Nebraska
            Techniques and equipment used to develop wells and to clear well screens.

10:00 A.M.  Coffee break

10:30 A.M.  Well Testing ............................... Deon Axthelm
            Associate Professor, Agricultural Extension Service, University of Nebraska
            Methods and techniques used to test performance and efficiency of a well.

11:15 A.M.  Practical Exercises in General Geology and Hydrology .............. Staff
            Conservation and Survey Division, University of Nebraska
            Several tools available to the contractor to assist him in securing a good, safe water supply.

12:00 NOON  Lunch

1:00 P.M.  Practical Exercise—continued

2:45 P.M.  Coffee break

3:15 P.M.  Summary of Seminar

4:00 P.M.  End of Seminar