NB-ENG-31
Rev. 11-73
(File Code: ENG-13)

EXAMPLE 2

NB 11-~~67~~ 68
U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

DATA SHEET FOR POND SEALING OR LINING

Natural Resource District Twin Platte Field Office North Platte

Cooperator James Smith Address —

Plan I.D. GP-1032 Other No. CIN 12 Field No. 1

Design

Soil Type Sandy Alluv. Unified Classification SM (Pond bottom)

Proposed treatment Bentonite & Soda Ash Area to be treated (ac.) 4.7

Area to be treated (sq.ft.) 205,000 Application rate (~~lb./sq.ft.~~) SODA ASH = 1#/10 FT2 BENTONITE = 1.5#/ft2

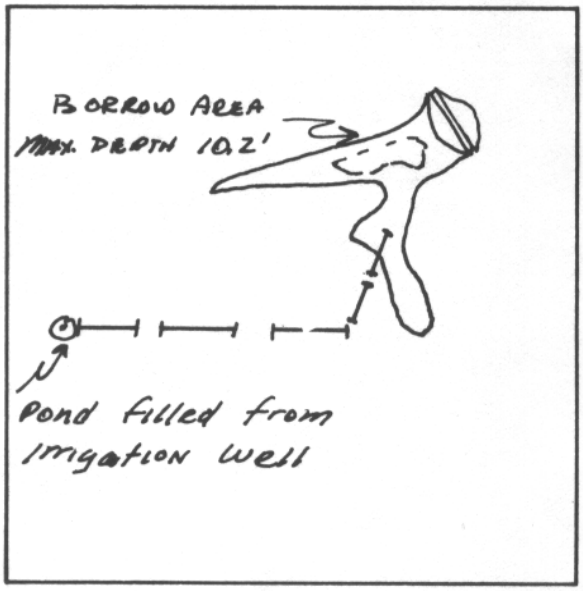
Depth of pond treated (ft.) 10

Depth of treated layer (in.) 6

Total quantity of material required (~~sq.ft.~~ TON, ~~lb.~~) Bent - (1.5)(205,000)/2000 = 154 TON Soda Ash (0.1)(205000)/2000 = 10.3 TON

Designed by A.B.C. Date 10-2-75

Computations checked by D.R.E. Date 10-4-75



Location Sketch

Legal description

NE¼NE¼ Sec. 21 T 4N R 5W

Construction check

Depth of pond treated (ft.) 10.2

Depth of treated layer (in.) 5-6

Quantity applied Bent - 155 TON, S.A = 11 Ton

Area treated (ac.) 4.72

Remarks Dual treatment used due to lack of clay fines in soil. Mixing was good. Compaction very good due to rain (0.5") after treatment; compaction performed on moist soil. Filling began day after Comp. ENG SPEC. S-521 furnished

Field note reference Book 42

This practice meets specifications A.B. Charles Date 10-20-75

EFM Notice NB-9, 6/76