

January 17, 1996

WATER
RESOURCES
DEPARTMENT

Steve Schneider
Schneider Equipment Co, Inc
21881 River Road NE
St. Paul, OR 97137

Dear Steve:

The Water Resources Department has received your request for special standards on the Damascus Water District well located in Township 1S, Range 3E, Section 35 of Clackamas County (start card number 56081).

During construction, the 12 inch casing was broken at a depth of 16 feet below land surface. You are proposing to rectify the situation by placing 14 inch casing from 15 feet to 35 feet below land surface. The 14 inch casing will serve to secure the break in the 12 inch casing.

In addition, you propose to place 10 inch liner in the well. The liner will not overlap the 12 inch exterior casing as required in OAR 690-210-290 in order to facilitate the desired 12 inch pump chamber. The Department will approve this situation due to the fact that the borehole between the bottom of the 12 inch casing and the top of the 10 inch liner has been grouted.

Your request for special standards is approved. If you have any questions concerning this letter, please contact me by phone at (541) 396-3121 x388, by fax at (541) 396-6233 or by letter at 290 N Central Street, Coquille, OR 97423.

Sincerely,

Rob Carter
Well Construction Specialist

cc: Richard Edwards, Well Inspector

c:\wp51\1996\damascus



STATE OF OREGON
WATER RESOURCES DEPARTMENT

REQUEST FOR WRITTEN APPROVAL TO USE CONSTRUCTION METHODS NOT
INCLUDED IN THE RULES AND REGULATIONS PRESCRIBING GENERAL STANDARDS
FOR THE CONSTRUCTION AND MAINTENANCE OF WELLS IN OREGON

Before approval can be considered the following questions must be answered.

Requests shall be submitted to the Watermaster Division, 3850 Portland Road,
NE, Salem, OR 97310.

Date: 12/27/95 (subsequent to 12/19/95 fax and 12/20/95 tel. con. ^{Start Card # 56081} w/ Rob Carter)
Well Constructor: Schneider Drilling Co - Steve Schneider VP
21881 River Rd NE, St. Paul, OR 97137 ^{WNC 649}

(1) Location of Well: SE 1/4 SE 1/4 of Section 35,
Township 15, Range 3E, Clackamas County.

Address at well site or nearest known address: East end of Bohma
Park Rd - N/A

(2) Name and address of Landowner: Damascus Water District
19750 SE Damascus Lane.
Boring, OR 97009

(3) The distance to the nearest well and septic drainfield: over 100'

(4) The unusual conditions existing at the well site: see attached sketch
of 12/19/95 condition. 12" casing broke at 16' BGS because of
extensive driving. Need 12" dia pump chamber as deep as possible
(note 750'± SWL)

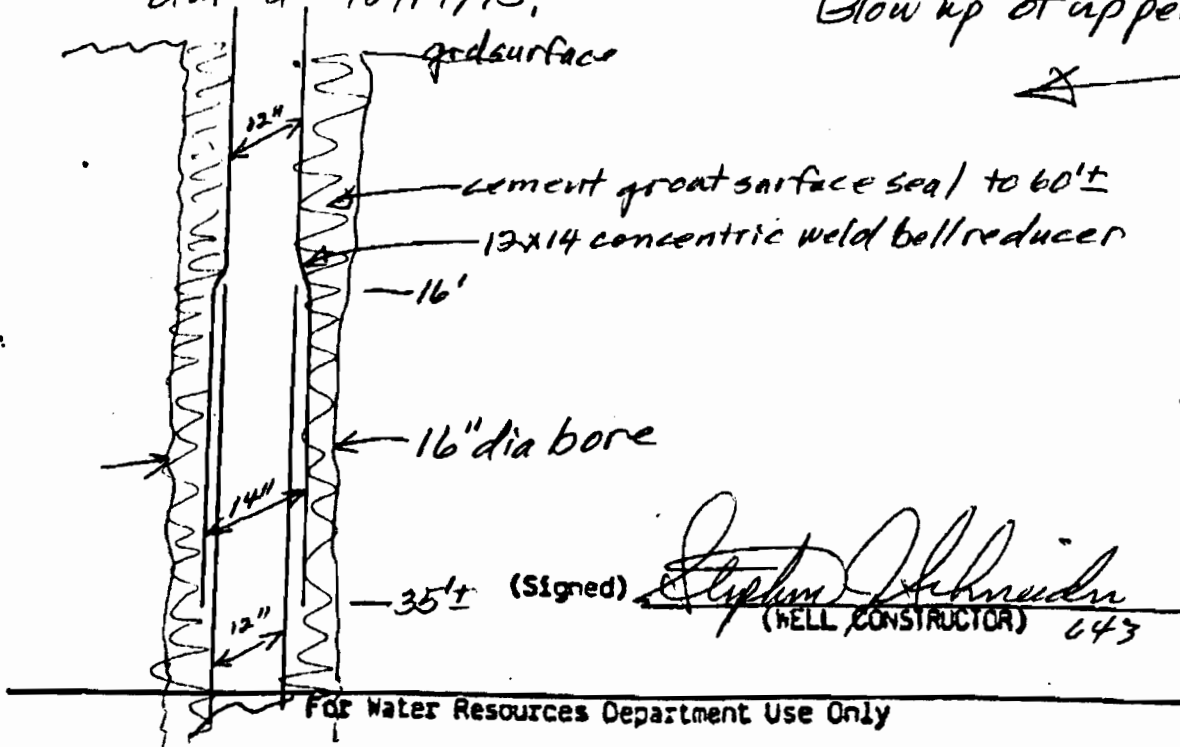
(5) The proposed construction methods that the well constructor or landowner
constructing the well believes will be adequate for his particular well:

A. Allow 10" liner to not overlap the 12" casing to facilitate
a deeper 12" diameter pump chamber. The 10" liner
will overlap very stable basalt rock formation.
B. Allow a 12" / 14" overlap (20' long) to secure the break
at 16' and a smaller annular clearance for the cement grout
from 15'± to 35'±. A deeper than normally required grout seal
will also be provided to assure a better than normally required
surface seal

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(6) A diagram showing the pertinent features of the proposed well design and construction (attach additional sheet if necessary):

See attached sketch of proposed completion dated 12/19/95. Blow up of upper hole



Date:

1-17-96

Approved by:

[Signature]

Denied by:

Remarks:

NOTE:

- (1) If approval, all other phases of construction must be in compliance with State Well Construction Standards.
- (2) If it should be determined at some future date that the well, due to its construction, is offering an avenue for pollution of the ground water body, it will be necessary for you to return to the site to correct any well deficiencies.

