



Oregon

John A. Kitzhaber, M.D., Governor

Water Resources Department

Commerce Building
158 12th Street NE
Salem, OR 97310-0210
(503) 378-3739
FAX (503) 378-8130

March 12, 1998

Steve Stadel
Westerberg Drilling, Inc.
36728 S. Kropf Road
Molalla, OR 97038

Dear Steve:

Please find enclosed a copy of the following approved special standard:

1. Mulino Water District #23 (start card number 111427)

If you have any questions concerning this letter, please contact me at the address or phone number listed above, or by e-mail at Robert.L.Carter@ wrd.state.or.us.

Sincerely,

Rob Carter
Well Construction Specialist

cc: Richard Edwards, Well Inspector

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MAR 11 1998

WATER RESOURCES DEPT.
SALEM, OREGON

Oregon Water Resources Department

REQUEST FOR WRITTEN APPROVAL TO USE CONSTRUCTION METHODS NOT INCLUDED IN OREGON ADMINISTRATIVE RULES 690-200 THROUGH 690-240

Before request can be considered, the following must be answered. Requests shall be submitted to the Well Construction Specialist, Water Resources Department. Requests may also be considered by the appropriate Regional Manager.

Date of request: 3-9-98

Bonded Well Constructor (name, license and mailing address): STEVEN N. STADEL
36728 S. KROFF RD. Molalla, OR. 97038 W.W.C. Lic. # 688

(1) Location of Well: SE 1/4 NE 1/4 of Section 20, Township 4S,
Range 2E, CLACKAMAS County.

Address at well site: IMMEDIATELY NORTH OF 27534 S. Hwy 213
MOLINO, OR. 97042

(2) Start Card Number(s): 111427

(3) Name and Address of Land Owner: MOLINO WATER DISTRICT #23
P.O. Box 867 MOLINO, OR. 97042

(4) The distance to the nearest well, septic tank or drainfield (if water supply well): NOT KNOWN
BUT BEYOND 100'

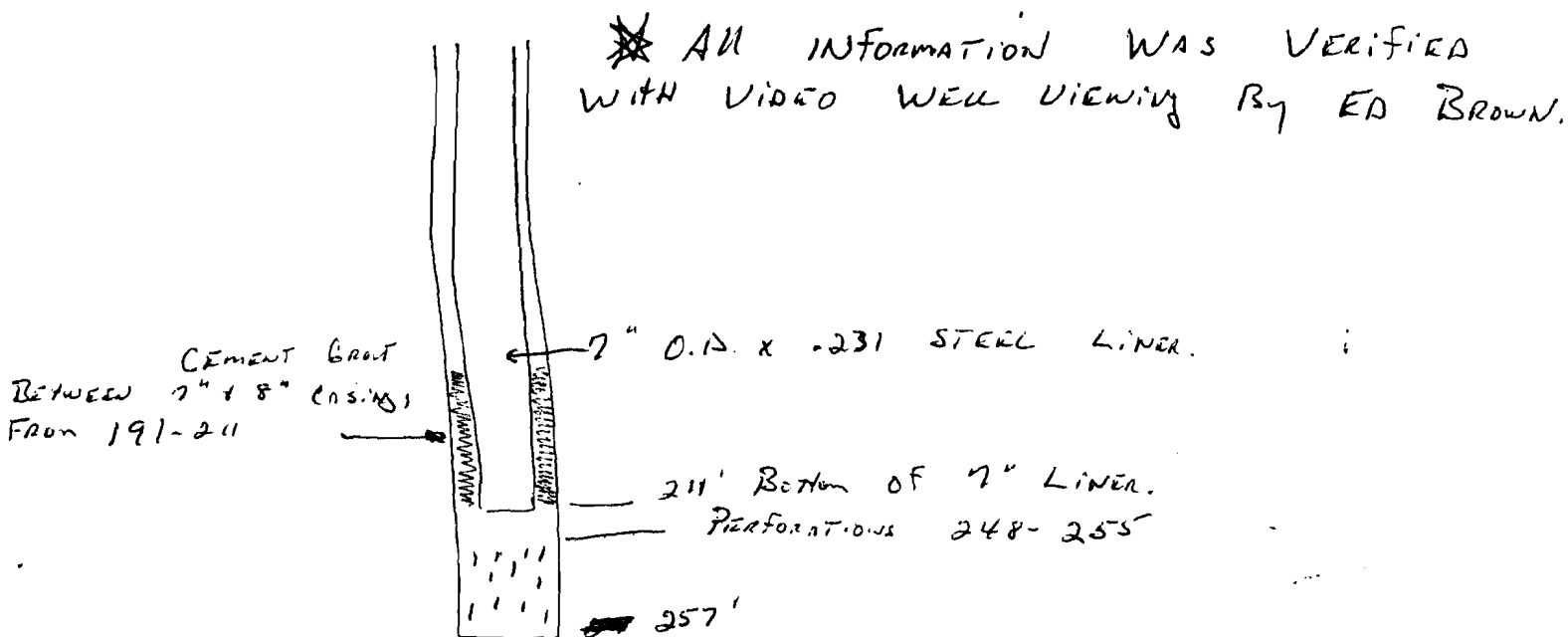
(5) The unusual conditions which necessitate this request: WE INSTALLED A 7" O.D.
X .231 STEEL LINER INSIDE THE EXISTING 8" STEEL CASING.
THIS WAS TO ELIMINATE RUST SCALE COMING FROM 8" PIPE.

(6) The proposed construction methods that the well constructor believes will be adequate for this well (attach additional pages if needed)

THE BOTTOM 20' OF 7" CASING WAS CENTERED WITH
CENTRALIZERS AND GROUTED WITH CEMENT GROUT TO KEEP
WATER FROM MOVING UP & DOWN BETWEEN 8" & 7" PIPE'S

w-ot
remark-repair

(7) Diagram showing the pertinent features of the proposed well design and construction (attach additional pages if needed):



PLEASE NOTE:

- (1) If approved, all other phases of well construction must comply with the appropriate standards described in OAR 690-200 through 690-240.
- (2) If it should be determined at some future date that the well, due to its construction, is allowing groundwater contamination, waste or loss of artesian pressure, the undersigned shall return to the site and rectify the problem.
- (3) If verbal approval was granted, a written request must be submitted to the Department either within three (3) working days of the date of verbal approval or prior to the completion of the associated well work. Failure to submit a written request as described above may void prior approval.

I have read and understand the above information. I further attest that the information provided is accurate to the best of my knowledge.

Bonded Constructor Signature: Stevan M. Stadel

For Water Resources Department Use Only

Date: 3-12-98

Approved by: [Signature] Denied by: _____

Remarks: _____

FOR WATER RESOURCES DEPARTMENT USE ONLY

Date Postmarked _____

W **111427**

Date Hand-Delivered _____

WRD Receipt _____

Watermaster Initials _____

Date Fee Received _____

Check No. _____

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MAR 11 1998

WATER RESOURCES DEPT.
SALEM, OREGON

START CARD
NOTICE OF BEGINNING OF WELL CONSTRUCTION
(as required by ORS 537.762)

This form must be completed and the original copy mailed or delivered to the Water Resources Department, 158 12th St. NE, Salem, Oregon 97310, for all new well construction, or conversion of an existing hole not previously used to seek water. This original copy must be mailed or delivered no later than the day construction or conversion work begins. A \$75 fee shall accompany the original copy for all new well construction and conversion (make checks payable to the Water Resources Department). Notices meeting the submittal requirements but received without the required fee will not be accepted as properly and timely filed. In addition, the constructor shall provide the "Watermaster Copy" of this notice to the office of the district watermaster within which the well is being constructed, altered, converted or abandoned using one of the following options: (a) by regular mail no later than three (3) calendar days (72 hours) prior to commencement of work; or, (b) by hand delivery, during regular office hours, no later than the day work is commenced; or, (c) by FAX no later than the day work is commenced. If method (c) is used, the original "Watermaster Copy" of this notice shall also be mailed or delivered to the office of the district watermaster no later than the day work is commenced. The Water Resources Commission has authority to impose civil penalties for failure to submit the required \$75 fee with the start card and for failure to submit cards prior to beginning any construction, alteration, conversion or abandonment work.

Owner's name and mailing address: MULINO WATER DISTRICT #22
Home Phone: 829-8745 P.O. Box 801
Work Phone: 829-5408 MULINO, OR. 97042

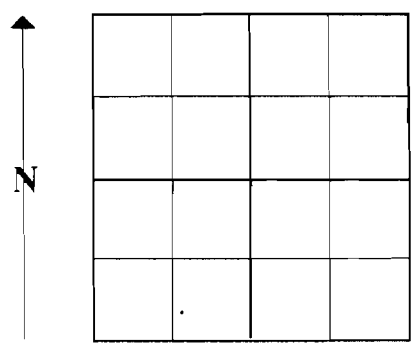
Check type of work: Fee Required: New Construction No Fee Required: Alteration (Repair/Recondition)
 Conversion Deepening Abandonment Original Start Card Number _____

Proposed Commencement Date: 2-19-98

Existing or Proposed Well Depth: 257 Diameter: 8" Original Well I.D. Label Number: _____

Check Use: Domestic Public System (Community) Industrial Irrigation Monitoring
 Thermal Injection Other

Proposed Well Location: County CLATSOP Township: 4S Range: 2E Section: 20
North or South East or West



- SE 1/4 of NE 1/4 of above section.
- Street Address of well location (or directions if not assigned).
IMMEDIATELY N. OF 27534 S. HWY 213
MULINO OR. 97042
- Tax-lot number of well location: 800
- Attach map with location identified. (See reverse for approved maps)
- Show well location within 1/4, 1/4 of section grid at left.

We hereby certify that we have read the back of this form and that the information provided is accurate to the best of our knowledge.

Owner/Agent _____ Steven N. Stahl License No. 688
Bonded Water/Monitor Well Constructor

Date Signed _____ **Westerberg Drilling, Inc.** 2-19-98
36728 S. Kropf Rd. Date Signed _____
Medalla, OR 97038

OWNER PLEASE NOTE: This is not a water right application. The owner is responsible for obtaining a water right through the Water Resources Department, if required. The Oregon Health Division requires plans to be submitted and approved prior to construction if the well is to be used as a public system.

ADDITIONAL IMPORTANT INFORMATION ON BACK.

THIS COPY, WITH ACCOMPANYING FEE, TO WATER RESOURCES DEPARTMENT IN SALEM.

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MAR 11 1998

WATER RESOURCES DEPT.
SALEM, OREGON

Log of 8 inch gravel packed well drilled for City of
Mullino, Oregon completed June 19, 1962

FORMATIONS:

<u>From</u>	<u>Surface</u>	<u>to</u>	<u>12</u>	<u>Ft.</u>	<u>Top soil and Clay</u>
12	ft.	to	27	..	Gravel and boulders
27	38	..	Sandy clay
38	57	..	Black sand and silt a little water
57	116	..	Blue shale
116	157	..	Grey ..
156	180	..	Fine sand and mica
160	248	..	Grey shale
248	255	..	Sand & gravel with water
255	257	..	Sha le

CASING: Well cased to 257 feet with 8" standard pipe.
Pipe perforated from 248 ft. to 255 ft.
Cement seal placed around 8" pipe at 180 ft.
to establish surface water seal.

DEVELOPMENT:

Well surged for 28 hours during which time
4½ yards of gravel were used in gravel packing.
After development by surging, a compressed air
surge was employed for nine hours.

PUMP TEST: Static water level 31 feet from surface

Well pumped 150 gpm from 210 feet,
125 gpm from 184 feet
100 gpm from 168 feet

Well pumped for a total of 10½ hours