

DRAFT

REPORT

WELL I.D. LABEL# 112726
START CARD # 1029484
ORIGINAL LOG #

(1) LAND OWNER
Owner Well I.D. Well No. 9
First Name Last Name
Company City of Newberg
Address 414 E 1ST ST
City Newberg State OR Zip 97132

(2) TYPE OF WORK
[X] New Well [] Deepening [] Conversion
Alteration (complete 2a & 10) [] Abandonment (complete 5a)

(2a) PRE-ALTERATION
Dia + From To Gauge Stl Plstc Wld Thrd
Casing: [] [] [] [] [] [] [] []
Material From To Amt sacks/lbs
Seal: [] [] [] [] [] [] [] []

(3) DRILL METHOD
[] Rotary Air [] Rotary Mud [] Cable [] Auger [] Cable Mud
[] Reverse Rotary [X] Other Dual Rotary Reverse

(4) PROPOSED USE
[] Domestic [] Irrigation [X] Community
[] Industrial/ Commercial [] Livestock [] Dewatering
[] Thermal [] Injection [] Other

(5) BORE HOLE CONSTRUCTION
Special Standard [X] (Attach copy)
Depth of Completed Well 100 ft.

Table with columns: Dia, From, To, Material, SEAL, To, Amt, sacks/lbs. Row 1: 24, 0, 45, Cement, 0, 40, 6,720, P. Row 2: 20, 45, 100, Calculated.

How was seal placed: Method [] A [] B [X] C [] D [] E
[] Other

Backfill placed from ft. to ft. Material
Filter pack from ft. to ft. Material Size

Explosives used: [] Yes Type Amount

(5a) ABANDONMENT USING UNHYDRATED BENTONITE
Proposed Amount Pounds Actual Amount Pounds

(6) CASING/LINER
Casing Liner Dia + From To Gauge Stl Plstc Wld Thrd
Shoe [] Inside [X] Outside [] Other Location of shoe(s) 55
Temp casing [X] Yes Dia 24 From 0 To 45

(7) PERFORATIONS/SCREENS
Table with columns: Perf/S, Casing/Screen, Dia, From, To, Scrn/slot width, Slot length, # of slots, Tele/pipe size. Rows include Screen/Liner with various diameters and slot widths.

(8) WELL TESTS: Minimum testing time is 1 hour
[] Pump [X] Bailer [] Air [] Flowing Artesian

Table with columns: Yield gal/min, Drawdown, Drill stem/Pump depth, Duration (hr). Row 1: 2,000, 9, 85, 48.

Temperature 60 °F Lab analysis [X] Yes By Owner
Water quality concerns? [] Yes (describe below) TDS amount
From To Description Amount Units

(9) LOCATION OF WELL (legal description)
County MARION Twp 3 S N/S Range 2 W E/W WM
Sec 29 NE 1/4 of the SW 1/4 Tax Lot 00100
Tax Map Number Lot
Lat ' " or DMS or DD
Long ' " or DMS or DD
[] Street address of well [X] Nearest address

4500 CHAMPOEG RD NE, ST PAUL OR

(10) STATIC WATER LEVEL
Date SWL(psi) + SWL(ft)
Existing Well / Pre-Alteration
Completed Well 04-16-2016 24
Flowing Artesian? [] Dry Hole? []

WATER BEARING ZONES
Table with columns: SWL Date, From, To, Est Flow, SWL(psi) + SWL(ft). Row 1: 04-16-2016, 45, 82, 3,000, 24.

(11) WELL LOG
Ground Elevation
Material From To
Fine Silty Sand Brown 0 5
Fine Sandy Silty Clay Brown 5 20
Fine Silty Sand Brown 20 35
Fine Silty Sand Gray Dark 35 45
Sand and Gravel Black/Brown 45 50
Fine to Course Gravel Black 50 75
Medium to Course Sand 75 83
Blue Clay 83 100

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Date Started 02-22-2016 Completed 04-29-2016

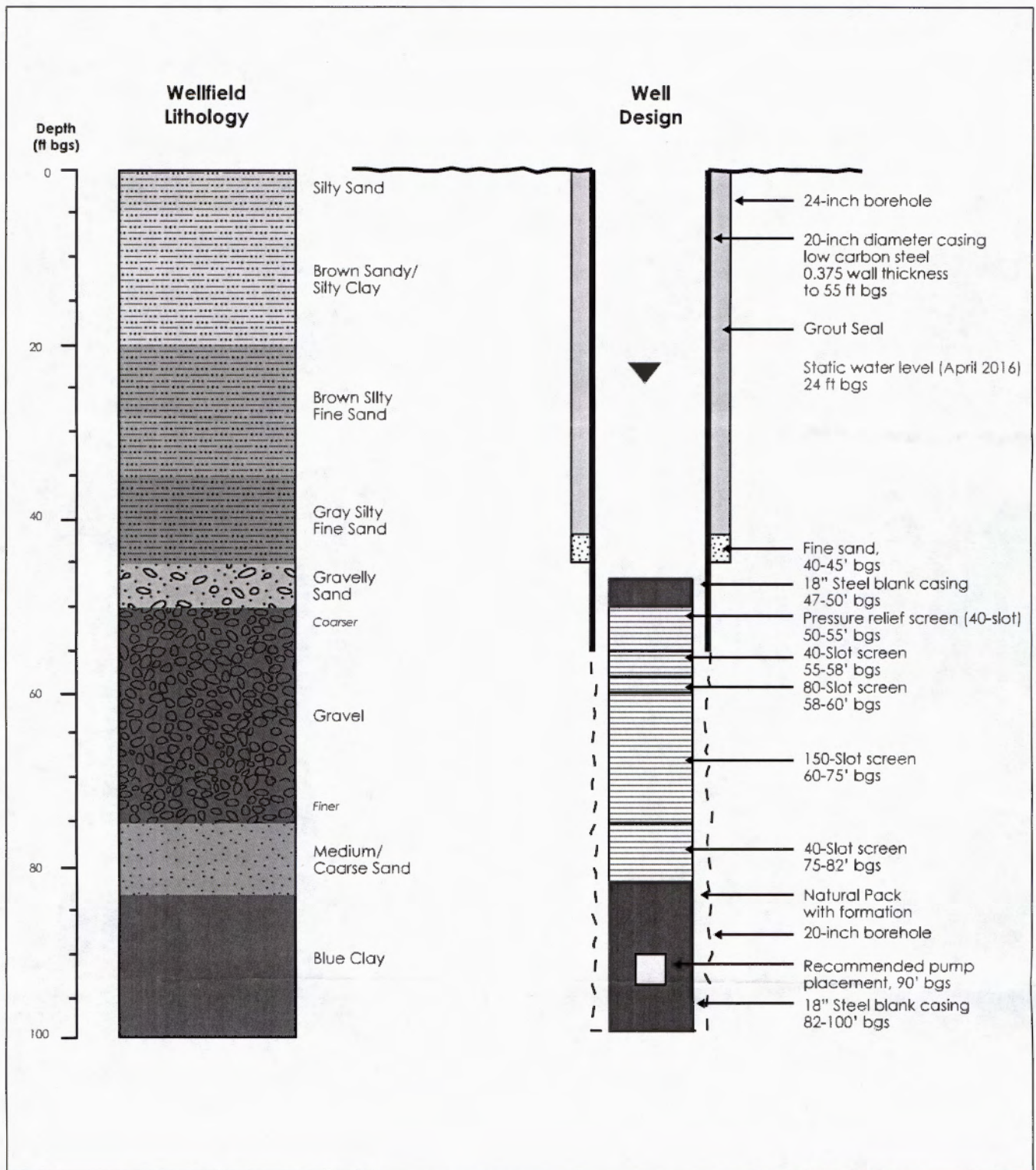
(unbonded) Water Well Constructor Certification
I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

License Number 1523 Date 05-24-2016
Signed Robert Stadelci

(bonded) Water Well Constructor Certification
I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

License Number 1953 Date 05-24-2016
Signed
Contact Info (optional)

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FIGURE 1

**New Production Well (Well 9)
Lithology and Schematic Design
City of Newberg**

MAP NOTES:

Date: May 10, 2016
P:\Portland\116 - MSA\013-Newberg Well 9\Figures



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LEGEND

- Monitoring Well
- Production Well

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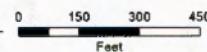
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FIGURE 1

Well Location Map
City of Newberg

MAP NOTES:

Date: June 22, 2015
Data Sources: CH2M Hill, City of Newberg, Air photo taken on June 30, 2014 by the USDA,
CH2M Hill, 2000, Newberg Well Field Exploration, Pump Test, and Well Interference Analysis.





Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem Oregon 97301-1266
(503) 986-0900
www.wrd.state.or.us

Special Standards
Request Form

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

Before the request can be considered, this form must be completed. Requests shall be submitted to the Well Construction Program Coordinator, Water Resources Department, 725 Summer Street NE, Suite A, Salem OR 97301-1266. Requests may also be considered by the appropriate Regional Manager.

Date of request: 2/19/2016 Oral approval date (if applicable): 2/19/2016

Bonded Well Constructor (name, license #, and mailing address): Richard Miller 1953
10621 Todd Rd East, Edgewood, WA 98372

(1) Location of Well: NE 1/4 SW 1/4 Tax lot 100 Section 29, Township 3 S, Range 2 W, Clackamas County
Address at well site: 4500 Champoeg Rd NE St Paul, OR

(2) Start Card Number(s)(for work to be done): 1029484

(3) Name and Address of Land Owner: City of Newberg
414 E 1st Street, Newberg OR

(4) Distance to the nearest septic tank, drainfield, closed sewage line (if water supply well)

(5) The unusual site conditions which necessitate this request: Temporary well abandonment
for rig removal between drilling and well screen installation

(6) The proposed construction methods that the bonded well constructor believes will be adequate for this well: (attach additional pages if needed)
24-inch temp casing + 2 to 40 feet
20-inch temp casing + 3 to 100 feet TD of well
20-inch well lid tack welded to top of casing and annulus between 24 and 20 sealed with plastic

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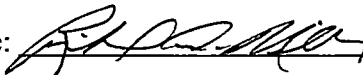
- (7) Diagram showing the pertinent features of the proposed well design and construction:
(attach additional pages if needed)

PLEASE NOTE:

- (1) The Well Construction Standards serve to protect ground water resources. By approving and issuing this special construction standard the Oregon Water Resources Department is not representing that a well constructed in accordance with this condition will maintain structural integrity or that it meets engineering standards. The well constructor/or landowner is responsible for ensuring that a well is constructed in a manner that protects ground water resources as required under Oregon Administrative Rules 690-200 through 690-240.
- (2) If it should be determined at some future date that the well, due to its construction, is allowing ground water contamination, waste or loss of artesian pressure, the undersigned shall return to the site and rectify the problem.
- (3) If oral approval was granted, a written request must be submitted to the Department either within three (3) working days of the date of oral approval or prior to the completion of the associated well work. Failure to submit a written request as described above may void prior oral 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: _____



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