

STATE OF OREGON WATER SUPPLY WELL REPORT

(as required by ORS 537.765 & OAR 690-205-0210)

WELL LABEL # L 91673

START CARD # 1004851

(1) LAND OWNER Owner Well I.D. 1 First Name Last Name Company MCKINSTRY COLLC Address PO BOX 24567 City SEATTLE State WA Zip 98124

(2) TYPE OF WORK [X] New Well [] Deepening [] Conversion [] Alteration (repair/recondition) [] Abandonment

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

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

(5) BORE HOLE CONSTRUCTION Special Standard [X] Attach copy Depth of Completed Well 113 ft.

Table with columns: Dia, From, To, Material, SEAL, Amt, Sacks/lbs. Row 1: 16, 0, 113, Bentonite Chips, 0, 40, 85, S

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

Backfill placed from 0 ft. to 40 ft. Material BENTONITE CHIP

Filter pack from 40 ft. to 108 ft. Material SILICA Size 10-20

Explosives used: [] Yes Type Amount

(6) CASING/LINER Casing Liner Dia + From To Gauge Stl Plstc Wld Thrd

Table with columns: Casing Liner, Dia, From, To, Gauge, Stl, Plstc, Wld, Thrd. Row 1: 12, 2, 73, .365, [X]

Shoe [] Inside [] Outside [] Other Location of shoe(s)

Temp casing [] Yes Dia From To

(7) PERFORATIONS/SCREENS Perforations Method Screens Type Wire Wrap Material Stainless

Perf/S Casing/ Screen green Liner Dia From To Scrn/slot width Slot length # of slots Tele/ pipe size

Table with columns: Perf/S green, Casing/ Liner, Screen Dia, From, To, Scrn/slot width, Slot length, # of slots, Tele/ pipe size. Row 1: 12, 73, 108, .03, 2.5.

(8) WELL TESTS: Minimum testing time is 1 hour

Table with columns: Pump/Bailer/Air/Flowing Artesian, Yield gal/min, Drawdown, Drill stem/Pump depth, Duration (hr). Row 1: 75, 2, 70, 16

Temperature 52 F Lab analysis [] Yes By

Water quality concerns? [] Yes (describe below)

Table with columns: From, To, Description, Amount, Units

(9) LOCATION OF WELL (legal description) County MULTNOM Twp 1 N N/S Range 3 E E/W WM Sec 19 NE 1/4 of the SW 1/4 Tax Lot 00316 Tax Map Number Lot Lat 0 or DMS or DD Long 0 or DMS or DD Street address of well Nearest address 16790 NE MASON ST PORTLAND, OR 97230

(10) STATIC WATER LEVEL Date SWL(psi) + SWL(ft) Existing Well / Predeepening Completed Well 10-1-08 - 18

WATER BEARING ZONES Depth water was first found 75' SWL Date From To Est Flow SWL(psi) + SWL(ft) 10-1-08 75' 108' 40GPM - 18

(11) WELL LOG Ground Elevation Material From To Boulders, sandy gravel. 0 25 Coarse sand, gravel, w/large cobbles. 25 45 Gray-green silty sand, gravels, w/cobbles. 45 75 Light brown silty sand, gravels, w/cobbles, water bearing. 75 83 Light brown silty sand, gravels, water bearing. 83 87 Light brown silty sand, gravels, water bearing with cobbles. 87 108 Green sandstone. 108 111 Green silt, dense. 111 113 RECEIVED DEC 15 2008 RECEIVED JAN 26 2009 WATER RESOURCES DEPT SALEM, OREGON WATER RESOURCES DEPT SALEM, OREGON

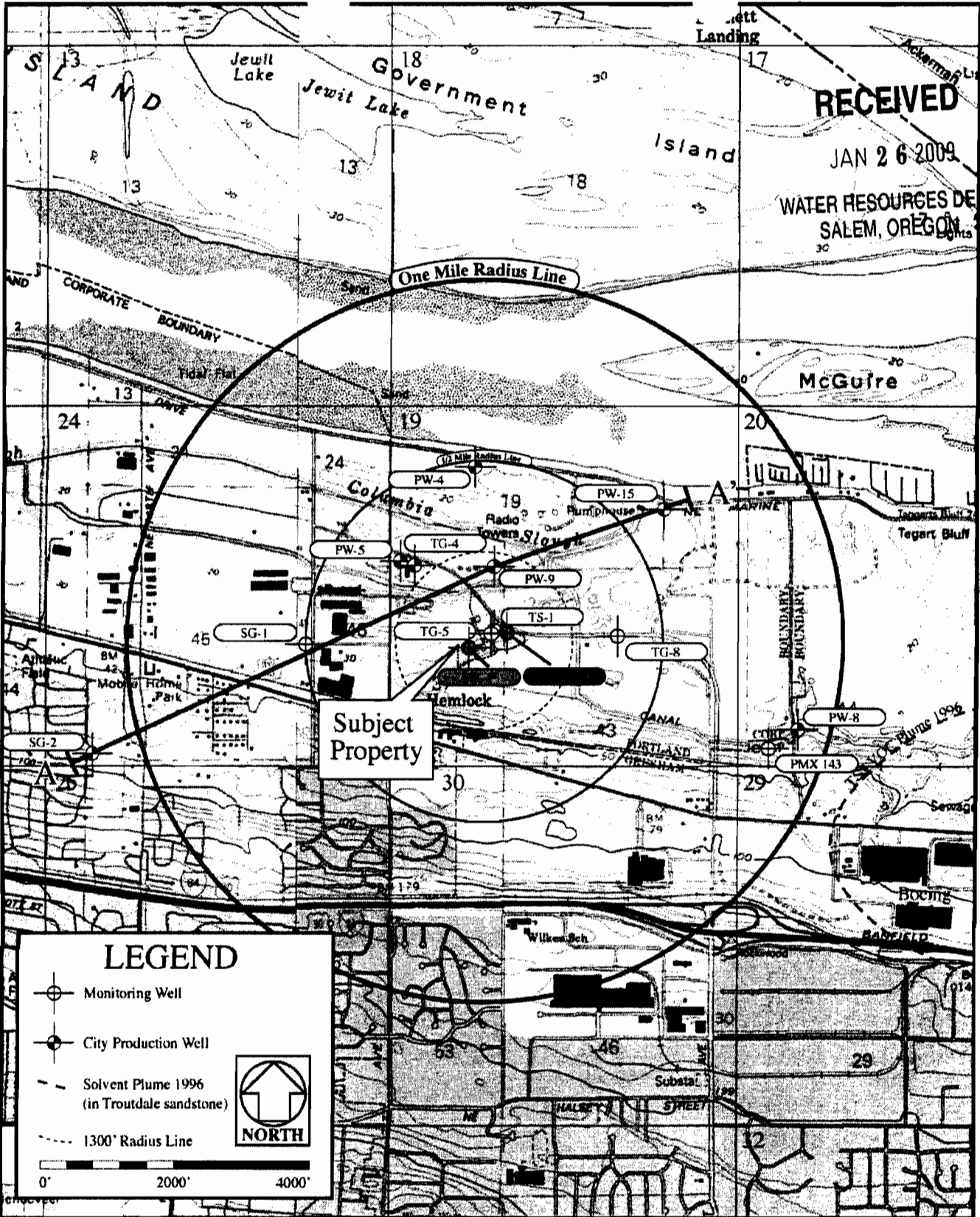
Date Started 09-10-2008 Completed 10-01-2008

(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 Date Password: (if filing electronically) Signed

(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 10067 Date Password: (if filing electronically) Signed Contact Info (optional)



ROGER N. SMITH ASSOCIATES, INC.
Groundwater and Environmental Consultants

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DEC 15 2008

WATER RESOURCES DEPT
SALEM, OREGON

Project Manager
Roger N. Smith
Drawn By
Steven Dopp
Project Number
07-856.2

Date Last Modified
May 22, 2008

Map adapted from TOPO® ©2006 National Geographic Map
Approximate Scale: 1:24 000

McKinstry Co.
Low Temperature Geothermal Wells
and nearby wells

Figure 1