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155/13 E-2260

STATE OF OREGON WATER WELL REPORT (as required by ORS 537.765)

JUL 12 1985

WATER RESOURCES DEPT

SALEM, OREGON

(for official use only)

(1) OWNER:

Name City of Redmond Address City Hall City Redmond State Oreg. 97756

(2) TYPE OF WORK (check):

New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Air [ ] Driven [ ] Domestic [ ] Industrial [ ] Municipal [X] Rotary Mud [ ] Dug [ ] Irrigation [ ] Thermal [ ] Withdrawal [ ] ReInjection [ ] Cable [X] Bored [ ] Piezometric [ ] Grounding [ ] Test [ ]

(4) PROPOSED USE (check):

Domestic [ ] Industrial [ ] Municipal [X] Thermal [ ] Withdrawal [ ] ReInjection [ ] Piezometric [ ] Grounding [ ] Test [ ]

(5) CASING INSTALLED:

Steel Threaded [X] Plastic Welded [X] 18" Diam. from +3 ft. to -718 1/2 ft. Gauge

LINER INSTALLED:

Steel Threaded [X] Plastic Welded [X] 12" Diam. from 707 1/2 ft. to 765 ft. Gauge

(6) PERFORATIONS:

Perforated? [ ] Yes [X] No Size of perforations in. by perforations from ft. to ft.

(7) SCREENS:

Well screen installed? [X] Yes [ ] No Manufacturer's Name Johnson Type P.S. (see pg. 3 for full screen info) Diam. 18 Slot Size .050 Set from 533.5 ft. to 553.5 ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level. Was a pump test made? [X] Yes [ ] No If yes, by whom? Buckner Pump Rate: 1300 gal./min. with 40 ft. drawdown after 72 hrs.

(9) CONSTRUCTION:

Special standards: Yes [ ] No [X] Well seal—Material used Portland Cement Well sealed from land surface to 50 ft. Diameter of well bore to bottom of seal 24 in.

Was pump installed? No Type HP Depth ft. Was a drive shoe used? [ ] Yes [X] No Plugs Size: location ft. Did any strata contain unusable water? [ ] Yes [X] No

Type of Water? depth of strata Method of sealing strata off Was well gravel packed? [X] Yes [ ] No Size of gravel: Monterey #8 Gravel placed from 520 ft. to 765 ft.

(10) LOCATION OF WELL by legal description:

County Deschutes SE 1/4 NW 1/4 of Section 20 of Township 15S Range 13E WM. Tax Lot Lot Block Subdivision MAILING ADDRESS OF WELL (or nearest address) unknown

(11) WATER LEVEL of COMPLETED WELL:

Depth at which water was first found 362 ft. Static level 362 ft. below land surface. Date 5-24-85 Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 765 ft. Depth drilled 765 ft. Depth of completed well 765 ft. Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

Table with columns: MATERIAL, From, To, SWL. Rows include Top Soil, Sandy, Broken Lava Conglomerate, Lava Conglomerate, Broken Lava, Cindery, Red-Black Lava, Soild, Pumice Conglomerate, White Pumice, Cindery Black Rock, Red-Black Cindery Rock, Cinders & Clinkers, Red Cinders, Cinders & Lava Rock, Black Basalt, Red-Black Basalt, Broken, Hard, Black Basalt, Red Cinders, Soft, Black Basalt, Red Cinders, Brown Sandstone, Mild, Brown Sandstone, Coarser, Brown Sandstone w/Pea Gravel.

(unbonded) Water Well Constructor Certification (if applicable):

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] Date 6-6, 19 85

(bonded) Water Well Constructor Certification:

Bond 10596951 Issued by: AMWEST (number) (Surety Company Name) On behalf of Buckner Pump Service (type or print name of Water Well Constructor)

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief:

(Signed) Robert Buckner (Water Well Constructor)

(Dated) June 6, 1985

1/2" gravel from 50' to 520'

NOTICE TO WATER WELL CONSTRUCTOR The original and first copy of this report are to be filed with the

WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion.

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STATE OF OREGON WATER WELL REPORT (as required by ORS 537.765)

JUL 12 1985

PLEASE TYPE OR PRINT IN INK

WATER RESOURCES DEPT

(for official use only)

(1) OWNER: SALEM, OREGON Name City of Redmond Address City Hall City Redmond State Oreg. 97756

(2) TYPE OF WORK (check): New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]

(3) TYPE OF WELL: Rotary Air [ ] Driven [ ] Rotary Mud [ ] Dug [ ] Cable [X] Bored [ ]

(4) PROPOSED USE (check): Domestic [ ] Industrial [ ] Municipal [X] Thermal: Irrigation [ ] Withdrawal [ ] ReInjection [ ] Other: Piezometric [ ] Grounding [ ] Test [ ]

(5) CASING INSTALLED: Steel Threaded [X] Plastic Welded [X] 1.8" Diam. from +3 ft. to 71.8 1/2 ft. Gauge 3.75

LINER INSTALLED: Steel Threaded [X] Plastic Welded [X] 1.2" Diam. from 70.7 1/2 ft. to 76.5 ft. Gauge 2.50

(6) PERFORATIONS: Perforated? [ ] Yes [X] No [ ] Size of perforations in. by in. perforations from ft. to ft.

(7) SCREENS: Well screen installed? [X] Yes [ ] No [ ] Manufacturer's Name Johnson Type P.S. (see pg. 3 for full screen info)

(8) WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? [X] Yes [ ] No

Flow rate: 1300 gal./min. with 40 ft. drawdown after 72 hrs. Air test gal./min. with drill stem at ft. hrs. Bailer test gal./min. with ft. drawdown after hrs. Artesian flow g.p.m. Temperature of water 54\* Depth artesian flow encountered ft.

(9) CONSTRUCTION: Special standards: Yes [ ] No [X] Well seal—Material used Portland Cement Well sealed from land surface to 50 ft. Diameter of well bore to bottom of seal 24 in. Diameter of well bore below seal 24 in. Amount of sealing material 85 sacks [X] pounds [ ] How was cement grout placed? Pumped

Was pump installed? no Type HP Depth ft. Was a drive shoe used? [ ] Yes [X] No Plugs Size: location ft. Did any strata contain unusable water? [ ] Yes [X] No Type of Water? depth of strata Method of sealing strata off Was well gravel packed? [X] Yes [ ] No Size of gravel: Monterey #8 Gravel placed from 520 ft. to 765 ft.

1/2 gravel from 50' to 520'

NOTICE TO WATER WELL CONSTRUCTOR The original and first copy of this report are to be filed with the

(10) LOCATION OF WELL by legal description: County Deschutes SE 1/4 NW 1/4 of Section 20 Township 15S Range 13E, WM. Tax Lot Lot Block Subdivision MAILING ADDRESS OF WELL (or nearest address) unknown

(11) WATER LEVEL of COMPLETED WELL: Depth at which water was first found 362 ft. Static level 362 ft. below land surface. Date 5-24-85 Artesian pressure lbs. per square inch. Date

(12) WELL LOG: Diameter of well below casing --- Depth drilled 765 ft. Depth of completed well 765 ft. Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation.

Table with columns: MATERIAL, From, To, SWL. Rows include: Dk. Brwn. Sandstone & Blk. Sand, Dk. Brwn. Sandstone-blk. Sand more firm, Brwn. Sandstone-finer Sand some clay bonding, Dk. Brown Sandstone, some mult-colored pea gravels, possible water-465-485', Grey-Brwn. Tufted Ash Layer Firm, Sandstone Conglomerate, Slow Drilling Gravels-Dk. Brwn, Med. Brwn. Sandstone, Fine grained w/some clay bondg, Dk. Brwn. Sandstone, Coarser Sands, Coarse, DK. Brwn. Sandstone w/1/2" minus pea gravels, Coarse DK. Brwn. Sandstone W/more gravel-harder, Finer Grained Sandstone

(unbonded) Water Well Constructor Certification (if applicable): This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief. [Signed] Date 6-6, 19 85

(bonded) Water Well Constructor Certification: Bond 10596951 Issued by: AMWEST (number) (Surety Company Name) On behalf of Buckner Pump Service (type or print name of Water Well Constructor)

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief: (Signed) (Water Well Constructor) (Dated) June 6, 1985

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155/13E-226d

STATE OF OREGON WATER WELL REPORT

JUL 12 1985

(as required by ORS 537.765) WATER RESOURCES DEPT PLEASE TYPE or PRINT IN INK

(for official use only)

(1) OWNER:

Name City of Redmond Address City Hall City Redmond State Oreg. 97756

(2) TYPE OF WORK (check):

New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Air [ ] Driven [ ] Rotary Mud [ ] Dug [ ] Cible [X] Bored [ ]

(4) PROPOSED USE (check):

Domestic [ ] Industrial [ ] Municipal [X] Thermal [ ] Irrigation [ ] Withdrawal [ ] ReInjection [ ] Other: Piezometric [ ] Grounding [ ] Test [ ]

(5) CASING INSTALLED:

Steel Threaded [X] Plastic Welded [ ] Gauge .375 18" Diam. from +3 ft. to -71.8 ft.

LINER INSTALLED:

Steel Threaded [X] Plastic Welded [ ] Gauge .250 12" Diam. from .707 ft. to .765 ft.

(6) PERFORATIONS:

Perforated? [ ] Yes [X] No [ ] Size of perforations in. by in. perforations from ft. to ft.

(7) SCREENS:

Well screen installed? [X] Yes [ ] No Manufacturer's Name Johnston Type P.S. Model No. Diam. 18 Slot Size .050 Set from 533.5 ft. to 553.5 ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level Was a pump test made? [X] Yes [ ] No If yes, by whom? Rate: 1300 gal./min. with 40 ft. drawdown after 72 hrs.

(9) CONSTRUCTION:

Special standards: Yes [ ] No [X] Well seal—Material used Portland cement Well sealed from land surface to 50 ft. Diameter of well bore to bottom of seal 24 in.

Was pump installed? no Type HP Depth ft. Was a drive shoe used? [ ] Yes [X] No Plugs Size: location ft. Did any strata contain unusable water? [ ] Yes [X] No Type of Water? depth of strata

Method of sealing strata off Was well gravel packed? [X] Yes [ ] No Size of gravel: Monterey #8 Gravel placed from 520 ft. to 765 ft.

(10) LOCATION OF WELL by legal description:

County Deschutes 1/4 of Section 20 of Township 15S Range 13E, WM. (Township is North or South), (Range is East or West) Tax Lot Lot Block Subdivision MAILING ADDRESS OF WELL (or nearest address) unknown

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Table with columns: MATERIAL, From, To, SWL. Rows include Sand & Some Gravels-unstable, Sandstone-Brwn W/some tuff ash and whites, Brown Sandstone W/ more Cinders, Sands and Gravels, Dk. Grey Basalt.

Date work started 11-27-84 /completed 5-25-85 Date well drilling machine moved off of well 5-25-85 19

(unbonded) Water Well Constructor Certification (if applicable):

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] Date 6-6, 1985

(bonded) Water Well Constructor Certification:

Bond 10596951 Issued by: AMWEST (number) (Surety Company Name) On behalf of Buckner Pump Service (type or print name of Water Well Constructor)

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief:

(Signed) June 6, 1985 (Water Well Constructor) (Dated)

1/2" gravel from 50' to 520'

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