MULT 63853

Mult 63853 Amended Well Report

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

Instructions for completing this report are on the last page of this form.

WELL I.D. # L 40427
START CARD # 132773

(1) LAND OWNER Well Number 36
Name City of Portland
Address 1120 SW 5th AVE.
City PORTLAND State OR Zip 97204

(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger
☐ Other

(4) PROPOSED USE:
☐ Domestic ☒ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☒ Yes ☐ No Depth of Completed Well 521.5 ft.
Explosives used ☐ Yes ☒ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
28"	0	60	Cement	0	119	2,337 SACKS
24"	60	398	CEMENT	129	380	↓ ↓
			BENT CHIPS	119	129	85 SACKS
20"	398	521.5				

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	24"	+4	60		☒	☐	☒	☐
	20"	-4	398		☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☐ None
Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☐ Perforations Method
☒ Screens Type V-WIRE Material SS

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
378	393	40		12"	PIPE SIZE	☐	☐
393	398	0		12"	PIPE SIZE	☐	☐
398	510	40		12"	PIPE SIZE	☐	☐
510	521.5	0		12"	PIPE SIZE	☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
1,200-3,000	32' to 97'		4 hr.
3,046	104'		28 hr

Temperature of water 57° Depth Artesian Flow Found
Was a water analysis done? ☒ Yes By whom City of Portland
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County Multnomah Latitude Longitude
Township 1 ☐ N or S Range 3 ☐ E or W. WM.
Section 19 SW 1/4 NE 1/4
Tax Lot 1300 Lot Block Subdivision
Street Address of Well (or nearest address) 16400 NE Airport Way Portland

(10) STATIC WATER LEVEL:
15 ft. below land surface. Date 4-25-01
Artesian pressure lb. per square inch Date

(11) WATER BEARING ZONES:
Depth at which water was first found 20'

From	To	Estimated Flow Rate	SWL
20	145	NA	NA
220	330	NA	NA
386	521	3,000 GPM	15'

(12) WELL LOG:
Ground Elevation

Material	From	To	SWL
See Attached Formation Log			

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SALEM, OREGON

Date started 12-12-00 Completed 4-25-01

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, 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.
WWC Number 1523
Signed Date 1/8/02

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, 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.
WWC Number 464
Signed Date 1/8/02

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WATER RESOURCES DEPT SALEM, OREGON

Amendment

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)
Instructions for completing this report are on the last page of this form.

WELL I.D. # L 40427
START CARD # 132773

(1) LAND OWNER Well Number 342
Name City of Portland Water Bureau
Address 1120 S.W. 5th Ave, Rm 805
City Portland State OR Zip 97204

(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

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(3) DRILL METHOD:
☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger
☐ Other

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(4) PROPOSED USE:
☐ Domestic ☒ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other

WATER RESOURCES DEPT SALEM, OREGON

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☒ Yes ☐ No Depth of Completed Well 520 ft.
Explosives used ☐ Yes ☒ No Type ____ Amount ____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
28	0	60	Cement	0	60	337 Sacks
24	60	398	Cement	60	380	
20	387	521				

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☐ Other
Backfill placed from ____ ft. to ____ ft. Material ____
Gravel placed from ____ ft. to ____ ft. Size of gravel ____

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	24	+4	60		☒	☐	☒	☐
	~~54~~	~~398~~			☐	☐	☐	☐
	20	-4	398		☒	☐	☒	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☐ None
Final location of shoe(s) ____

(7) PERFORATIONS/SCREENS:
☐ Perforations Method ____
☒ Screens Type V wire Material SS

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
378	393	40		12"	Pipe	☐	☐
393	398	0		12"	Pipe	☐	☐
398	510	40		12"	Pipe	☐	☐
510	520	0		12"	Pipe	☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
1200	32	370	1 hr.
3046	104	370	28 hr.
3000	37	370	1hr

Temperature of water 57° Depth Artesian Flow Found ____
Was a water analysis done? ☒ Yes By whom Client
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other ____
Depth of strata ____

(9) LOCATION OF WELL by legal description:
County Multnomah Latitude ____ Longitude ____
Township 1 ☒ N or S Range 3 ☒ E or W WM.
Section 19 SW 1/4 NE 1/4
Tax Lot 130 Lot ____ Block ____ Subdivision ____
Street Address of Well (or nearest address) 16400 NE Airport Way

(10) STATIC WATER LEVEL:
15 ft. below land surface. Date 4-25-01
Artesian pressure ____ lb. per square inch Date ____

(11) WATER BEARING ZONES:
Depth at which water was first found 20'

From	To	Estimated Flow Rate	SWL
20	145	NA	NA
220	330	NA	NA
386	521	3000 GPM	15'

(12) WELL LOG:
Ground Elevation ____

Material	From	To	SWL
Silt brown	0	10	
Silt brown with Sand seams	10	20	
Gravel Fine to Coarse	20	114	
Sand and Gravel gray	114	145	
Clay silty gray	145	165	
Silt clay gray	165	195	
Clay Brown	195	200	
Sand Fine Med black	200	215	
Silt gray Clay Trace Sand	215	220	
Sand stone Coarse gravel	220	265	
Sand gravel	285	330	
Clay silt, trace gravel gray	330	386	
Sand Fine gray	386	395	
Gravel-Sand gray black	395	400	
Sand gravel Fine-Med	400	414	
Gravel Sand dark gray	414	422	
Gravel interbeded sand	422	450	
Sand Some gravel Fine-Med	450	466	
Sand gravel Med	466	521	

Date started 12/12/00 Completed 4/25/01

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, 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.
WWC Number 1672
Signed [signature] Date 5/18/01

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, 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.
WWC Number [signature]
Signed [signature] Date 5/18/01

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WATER RESOURCES DEPT
SALEM, OREGON

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

Instructions for completing this report are on the last page of this form.

WELL I.D. # L 40427
START CARD # 132773

(1) LAND OWNER Well Number 3C
Name City of Portland
Address 1120 S.W. 5th Ave, Rm 825
City Portland State OR Zip 97204

(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger
☐ Other

(4) PROPOSED USE:
☐ Domestic ☒ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☒ Yes ☐ No Depth of Completed Well 520 ft.
Explosives used ☐ Yes ☒ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
28	0	60	Cement	0	60	337 Sacks
24	60	398	Cement	60	380	
20	389	521				

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	24	+4	60		☒	☐	☒	☐
	~~4~~	~~398~~			☐	☐	☐	☐
	20	-4	398		☒	☐	☒	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☐ None
Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☐ Perforations Method
☒ Screens Type V Wire Material SS

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
378	393	40		12"	Pipe	☐	☐
393	398	0		12"	Pipe	☐	☐
398	510	40		12"	Pipe	☐	☐
510	520	0		12"	Pipe	☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
1200	32	370	1 hr.
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3000	37	370	1 hr

Temperature of water 57° Depth Artesian Flow Found
Was a water analysis done? ☒ Yes By whom Client
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County Multnomah Latitude Longitude
Township 1 ☐ N or ☒ S Range 3 ☒ E or ☐ W. WM.
Section 19 SW 1/4 NE 1/4
Tax Lot 1300 Lot Block Subdivision
Street Address of Well (or nearest address) 16400 NE Airport Way

(10) STATIC WATER LEVEL:
15 ft. below land surface. Date 4-25-01
Artesian pressure lb. per square inch Date

(11) WATER BEARING ZONES:
Depth at which water was first found 20'

From	To	Estimated Flow Rate	SWL
20	145	NA	NA
220	330	NA	NA
386	521	3,000 GPM	15'

(12) WELL LOG:
Ground Elevation

Material	From	To	SWL
Silt brown	0	10	
Silt brown with sand gravel	10	20	
Gravel Fine to Coarse	20	114	
Sand and Gravel gray	114	145	
Clay silty gray	145	165	
Silt clay gray	165	195	
Clay Brown	195	200	
Sand Fine Mud black	200	215	
Silt gray-gray Trace Sand	215	220	
Sand stone Coarse gravel	220	265	
Sand - gravel	285	330	
Clay silt lense green/gray	330	386	
Sand Fine gray	386	395	
Gravel-Sand gray black	395	400	
Sand gravel Fine Mud	400	414	
Gravel Sand dark gray	414	422	
Gravel interbedded Sand	422	450	
Sand Some gravel Fine Mud	450	466	
Sand gravel Mud	466	521	

Date started 12/12/00 Completed 4/25/01

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, 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.
WWC Number 1672
Signed Date 5/18/01

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, 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.
WWC Number 1464
Signed Date 5/18/01

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Summary Log of well #36

Silt, brown	0-10	---------- overbank deposits
Silt, brown with sand and gravel	10-20	
Gravel, dark gray basaltic, fine to coarse	20-114	---------- TGA
Gravely sand, and sand, gray	114-145	
Gray silt and clayey silt	145-165	---------- CU1
Silty clay, gray	165-195	
Clay, brown	195-200	
Sand, black, fine to medium	200-215	
Silt, green-gray, trace fine sand	215-220	
Sand, black, coarse with gravel and sandstone	220-265	---------- TSA
Sandy gravel and gravel	285-330	
Clay, green-gray and interbedded silt	330-386	---------- CU2
Sand, gray, fine-grained	386-395	---------- SGA
Sandy gravel, gray to black	395-400	
Sand, gravely, fine to medium	400-414	
Sandy gravel, dark gray	414-422	
Gravel and sand, interbedded	422-450	
Sand, fine to med. black with minor gravel	450-466	
Sand, medium and gravelly sand	466-521	

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