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WASCO

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IN/IFE-6da

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

WATER RESOURCES DEPARTMENT
WELL NUMBER: _____
M, OREGON

(1) OWNER:

Name Bonneville Power Administration
Address P. O. Box 491
City Vancouver State WA Zip 98666

(2) TYPE OF WORK:

New Well Deepen Recondition Abandon

(3) DRILL METHOD

Rotary Air Rotary Mud Cable
 Other Reverse Circulation Rotary Air

(4) PROPOSED USE:

Domestic Community Industrial Irrigation
 Thermal Injection Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes No Depth of Completed Well 1130 ft.
Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			Amount sacks or pounds
Diameter	From	To	Material	From	To	
20	0	40	Cement	0	585	730
18	40	405	1.5' thick	5'	square	concrete
15	405	1130	casing anchor	located	4'-5.5'	B.G.

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							
				Steel	Plastic	Welded	Threaded	Plastic	Welded	Threaded	Plastic	Welded	Threaded						
Casing: 12	+3	1130	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
except at screen locations													<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						

Final location of shoe(s) 1130

(7) PERFORATIONS/SCREENS:

Perforations Method _____
 Screens Type wire wrap Material S.S.

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
820	835	.050		12	PS	<input type="checkbox"/>	<input type="checkbox"/>
852	862	.050		12	PS	<input type="checkbox"/>	<input type="checkbox"/>
906	926	.050		12	PS	<input type="checkbox"/>	<input type="checkbox"/>
1088	1118	.050		12	PS	<input type="checkbox"/>	<input type="checkbox"/>

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

Pump Bailer Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
1000	8.1		1 hr.
1000	9.7		8 hrs
1000	9.7		24.5 hrs

Temperature of water 71°F Depth Artesian Flow Found _____

Was a water analysis done? Yes. By whom _____

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 Wasco Latitude _____ Longitude _____
Township 1N N or S, Range 14E E or W, WM.
Section 6 NE ¼ of SE ¼
Tax Lot _____ Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) Celilo Converter Station, The Dalles, OR

(10) STATIC WATER LEVEL:

750 ft. below land surface. Date 2/3/87
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found estimate 200'-300'

From	To	Estimated Flow Rate	SWL
N/A			

(12) WELL LOG:

Ground elevation 869

Material	From	To	SWL
See Attached			

Date started 10/23/86 Completed 2/13/87

(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 well construction standards. Materials used and information reported above are true to my best knowledge and belief.

Signed [Signature] WWC Number 1367
Date 2/17/87

(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 well construction standards. This report is true to the best of my knowledge and belief.

Signed [Signature] WWC Number 649
Date 2/17/87

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Bonneville Power Administration
Celilo Converter Station Well

WATER RESOURCES DEPT.

W. F. OREGON

0	72	Sand, w/layers of sandstone and sandy clay, brown
72	73	Clay, brown, silty
73	89	Sandstone, brown, med-hard
89	104	Sandstone, brown w/white rock and pea gravel imbedded
104	109	Clay, brown, silty
109	110	Sandstone, brown, med-hard
110	119	Gravel 2" minus cemented
119	171	Sandstone, brown, med w/clay layers
171	176	Clay, red, sandy w/layers of rock
176	193	Sandstone, red, brown, med-hard
193	194	Basalt, black, hard
194	200	Sandstone, brown, med-hard w/small layers of rock
200	204	Sandstone, med, brownish grey
204	206	Sandstone, w/clay, brownish grey
206	216	Sandstone, multi-colored, med
216	218	Sandstone, light grey, w/clay, grey, med-soft
218	236	Sandstone, brown, med-soft
236	242	Clay, grey (light), w/sandstone, multi-colored
242	249	Sandstone, brown w/some clay, soft
249	255	Clay, brown
255	257	Clay, white
257	258	Clay, grey, gritty
258	261	Gravel
261	266	Sandstone, multi-colored, med-soft
266	282	Sandstone, brown, med-soft
282	288	Clay, grey, sandy, med-soft
288	311	Sandstone, light grey, hard
311	331	Clay, grey, pink, sandy, med-soft
331	357	Clay, multi-colored, med-soft
357	369	Sandstone, red brown, med-hard
369	372	Clay, multi-colored, med-soft
372	376	Clay, multi-colored, soft
376	381	Basalt, grey, well fractured, med
381	390	Basalt & clay, grey, med-hard
390	395	Claystone, multi-colored
395	398	Basalt, black vesicular
398	403	Basalt, brown, vesicular
403	408	Basalt, black, hard
408	412	Basalt, brown & grey, soft to med
412	415	Basalt, brown & grey, w/clay, grey
415	419	Basalt, brown & grey
419	432	Basalt, grey, med to hard
432	459	Basalt, grey, hard, fractured
459	466	Basalt, grey & brown, med w/clay, brown
466	474	Basalt, grey & brown, med
474	481	Basalt, grey & brown w/claystone, yellow
481	491	Basalt, grey & brown w/claystone, green (~20 gpm)
491	500	Basalt, grey w/claystone, green
500	506	Basalt, grey, med to soft w/claystone, brown
506	507	Basalt, grey w/claystone, brown
507	513	Basalt, grey w/claystone, green
513	518	Basalt, grey & brown w/claystone, brown
518	523	Basalt, grey, med
523	528	Basalt, grey w/claystone, green
528	537	Basalt, grey, med w/claystone, green
537	545	Basalt, grey, med

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WATER RESOURCES DEPT.
SALEM, OREGON

545	547	Basalt, grey w/clay, green, soft
547	552	Claystone w/clay, green, soft
552	558	Clay, blue, soft
558	562	Clay, brown, soft w/wood
562	567	Wood w/clay, brown
567	574	Basalt, grey, vesicular
574	583	Basalt, grey, hard, some vesicular
583	584	Basalt, grey, some vesicular
584	592	Basalt, grey, med, vesicular
592	594	Basalt, grey & some brown, vesicular, soft
594	617	Basalt, black, med-hard
617	627	Basalt, black, med
627	646	Basalt, black, vesicular, med-hard
646	651	Basalt, soft
651	657	Basalt, black, vesicular, soft
657	661	Basalt, black, med to hard
661	671	Basalt, grey, hard
671	673	Basalt, grey & brown, vesicular
673	676	Basalt, grey, some vesicular
676	682	Basalt, grey & brown, some vesicular
682	695	Basalt, grey, med to hard
695	704	Basalt, grey, hard
704	722	Basalt, black, med-soft w/red streaks, vesicular
722	726	Clay, black & green streaks, soft
726	734	Basalt, black, med-soft, vesicular w/streaks of green clay
734	743	Basalt, black, hard
743	755	Basalt, brown & black, hard, fractured
755	805	Basalt, black, hard, fractures
805	818	Basalt, black, hard, some fractures
818	828	Basalt, black, med-hard, fractured
828	840	Basalt, black, hard, some fractures
840	871	Basalt, black, med-hard w/ some fractures
871	875	Basalt, black, hard
875	888	Basalt, black, med-hard
888	908	Basalt, black, hard, fractures
908	912	Basalt, black, med, vesicular
912	929	Basalt, black, vesicular, soft
929	938	Basalt, grey-black, med
938	962	Basalt, black, vesicular, med-soft
962	968	Basalt, black, some vesicular, med
968	1003	Basalt, black, some fractures, hard
1003	1006	Basalt, black, med-hard
1006	1016	Basalt, black, med-soft
1016	1019	Basalt, black, med-hard
1019	1023	Basalt, black, med-soft
1023	1025	Basalt, black, hard
1025	1033	Basalt, black, med-soft
1033	1050	Basalt, black, hard
1050	1064	Basalt, black, med-soft w/brown flakes
1064	1066	Basalt, black, hard
1066	1068	Basalt, black, med
1068	1084	Basalt, black, med-soft, some vesicular
1084	1090	Basalt, med-hard
1090	1095	Basalt/cinders, black, very soft
1095	1106	Basalt, black, soft vesicular
1106	1119	Basalt, black, soft
1119	1126	Basalt, black, hard
1126	1128	Basalt, black, soft
1128	1130	Basalt, black, hard