## MULT 727 29 AMENDED

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

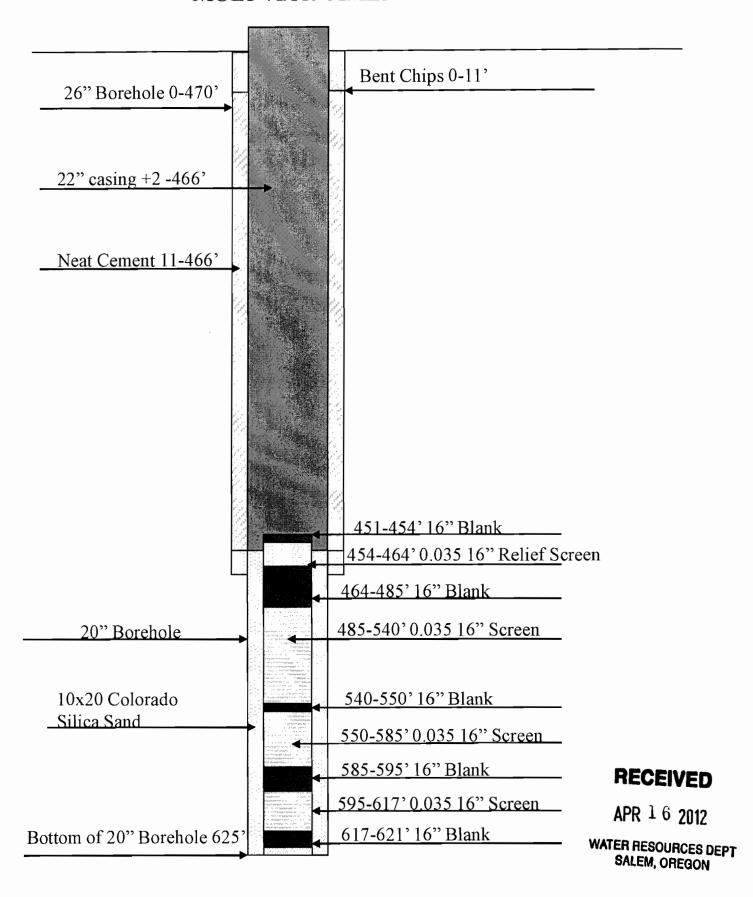
netructions fo	r completing	this report are on	the last n	age of this form.

(WELL I.D.)# L 68016
(START CARD) # 160370

(1) OV	VNER:				Well Nu	mber Cascade # 4	(9) LOCATION OF V	VELL by	legal descri	ption:		
Name R	ockwoo	d Water	r People's	<b>Utility Dist</b>	rict		County Multnomal			Lon	igitude	
Address	19601 N	E Halse	ey St.				Township 1	N	Range_3		E	WM.
City Po	rtland			State OR		Zip 97230	Section 29	SE	1/4 SE		1/4	
(2) TY	PE OF	WORK						ot	Block		ıbdivision	
<b>New</b>	Well [	Deepeni	ng Alter	ation (repair/	recondit	tion) [ Abandonment	Street Address of Well	(or neares	t address) 196	01 NE Ha	lsey St.	
(3) DR	ILL ME	THOD	);				Portland, OR					
Rota	ry Air	<b>✓</b> Rota	ry Mud	Cable	[_]Aug	ger	(10) STATIC WATER	LEVEL	<b>:</b>			
Othe	Rever	se Circu	ulation				196' ft. belo	w land sur	face.	Ι	Date 12/29/0	03
(4) PR	OPOSE	D USE:					Artesian pressure		lb. per square	inch. I	Date	
Don	estic	<b>✓</b> Com	munity	Industrial		Irrigation	(11) WATER BEARIN	NG ZON	ES:			
Ther		Injec		Livestock	[]	Other						
(5) BC		L.,	NSTRUC				Depth at which water was	first found	1 138'			
• /					th of Co	mpleted Well 625 ft.	1 -					
						mount	From		То	Estimated	l Flow Rate	SWL
2	HOLE		<u> </u>	SEAL		WALKER THE PARTY OF THE PARTY O	Mud Rotary and					
Diamete		То	Materi		То	Sacks or pounds	Flooded Reverse			AVA		
26"	0	1 1	Bent Chip		11	18 Sacks	Circulation drilling					
26"	11		Cement	11	466	477 Sacks	was used. Water					
20"	470	352	Cemen		100	7,7	Bearing Zones unava	ilahlo				
20	470	332					Dearing Lones dilava	nable.				
		l	36.1.1				(12) WELL LOG:					
	is seal pla		Method	***************************************		CDE	Ground	Elevation				
				n Head me								
	placed fr			ft.		ial Silica Sand	Material			From	То	SWL
	placed fro			<b>25</b> ft.	Size	of gravel 10x20	See Attached Sheet or	n Origina	Log			
(6) CA	SING/I	INER:									ļ	
	Diameter	1	1 1	Gauge Steel	Plasti							
Casing:	22"	+2	466 .	375								
	See	Attac	h Dia							WAFE		Ma Maria
_	16"	451	454 .	375								
	16"	464	485 .	375		<b>7</b>						
Liner:	16"	540	550 .	375		<b>7</b>	The state of the s	_				
	16"	617	621 .	375	[]	<b>7</b>						
Final lo	cation of s	shoe(s)			LJ							
			SCREEN	S:								
	erforation		Method				-			<b>AF</b> 114		
			ype <b>304</b>			aterial Stainless			KE	CEIV	ED	
. 👿 50		Slot			Tele/pi							
From 454	To 464	size	Number Relief	Diameter	PS size	Casing Liner			APR	162	n12	
	540	.035	Reliei								916	
485		.035		16"	PS				WATER F	ESOURC	ES DEPT	
550	585	.035		16	PS				SAL	EM, ORE	SON .	
595	617	.035		16"	PS					, , , , ,	4014	
See	Attach	Dia							444			
(8) WE	LL TES	TS: M	inimum te	esting time	is 1 ho	ur	Date started 9/8/03		Complet	ed 1/20/0	4	
						Flowing	(unbonded) Water Well C	Constructo	or Certification	<u></u>		
<b>√</b> Pı	ımp	B	ailer	Air		Artesian	I certify that the work I					
Yield	gal/min	Dra	wdown	Drill ste	m at	Time	of this well is in compliance					
						l hr.	Materials used and informa and belief.	ation repor	ted above are t	rue to the be	est of my kno	owieage
4000		80				48 hrs				WWC Nun	ber 1523	
							Signed See Origina	l Loa			Date	
Тотт	tive - C	ntor 56	F	Dont's Aster'	Tele	Found	(bonded) Water Well Con		Contification		Jaic	
•	ture of w			Depth Artesia		round	, , , , ,			tion er -t	ndov	owl.
	ater analy			es By whom		T 11/11	I accept responsibility for performed on this well duri					
				le for intende		Too little	performed during this time	is in com	pliance with Or	egon water	supply well	
Salty		-		Colored 📗	Other	Wood/Fine Sand	construction standards. Th	us report is	s true to the bes	•		belief.
Depth o	f strata:	Blank	Sections				0 0 1 1			WWC Nun		
							Signed See Origina	al Log			Date	

### **MULT 72119**

# As Built for Cascade Well No. 4 Rockwood Water PUD MULT 72119 AMENDED DIA



MULT 72119 MULT 72119

#### STATE OF OREGON WA

(1) OWNED:	Well Number Cascade # 4	(9) LOCATION OF WELL by legal description:
Instructions for completing this re	port are on the last page of this form.	
(as required by ORS 537.765)		(START CARD) # 160370
WATER SUPPLY WELL RI	EPORT	(WELL I.D.)# L_68016
STATE OF OREGON		CANTES A TO NILL COMP

(1) OV	VNER:			V	Vell Num	ber Cascade # 4	(9) LOCATION					
Name F	Rockwoo	d Wate	r People's	Utility Dist	ict		County Multne		ıde	Lor	gitude	
Address	19601 N	E Hals	ey St.				Township 1	N	Range	3	_E	WM.
City Po	ortland			State OR		Zip <b>97230</b>	Section 29	SE		SE	1/4	
(2) TY	PE OF V	VORK					Tax Lot 300	Lot			ıbdivision_	
New	Well	Deepeni	ng Alter	ation (repair/	reconditio	on) 🗌 Abandonment	Street Address of	Well (or nearest	t address)	19601 NE Ha	lsey St.	
(3) DF	RILL ME	THOD	);				Portland, OR					
Rota	ary Air	Rota	ry Mud	Cable	Auge	r	(10) STATIC WA	TER LEVEL	:			
Othe	Rever	se Circ	ulation				196' ft	. below land sur	face.	I	Date 12/29	/03
	OPOSE						Artesian pressure	·	lb. per squ	uare inch. I	Date	
☐ Don	nestic	Com	munity [	Industrial	☐ Ir	rigation	(11) WATER BE.	ARING ZON	ES:			
The		Injec		Livestock		ther						
			NSTRUC	TION:			Depth at which water	r was first found	138'			
					h of Con	pleted Well 625 ft.						
						nount	From		То	Estimated	I Flow Rate	SWL
-	HOLE		,	SEAL			Mud Rotary and					
Diamet	er From	To	Materi	al From	То	Sacks or pounds	Flooded Reverse					
26"	0	470	Cement	0	470		Circulation drillin	g				
20"	470	625					was used. Water	•				
							Bearing Zones un	nava ilable.				
							(12) WELL LOG	·				
How w	as seal pla	ced:	Method	ПА	]B	C D DE	` '	ound Elevation		st some		
	- )ther											
		om	ft. to	ft.	Materi	al Silica Sand	M	aterial		From	То	SWL
			3 ft. to 6		Size of	gravel 10x20	See Attached She	eet				
(6) C	ASING/I	INER	:									
	Diameter	Fro	m To	Gauge Steel	Plastic	Welded Threaded						
Casing	.22"	+2	466 .	375								
Cusing												
	20"	451	455	375								
	20"	465	485	375								
Liner:	20"	540	550	375	Ē							
	20"	617	623	375	ī							
Final lo	ocation of	shoe(s)	• • • • • • • • • • • • • • • • • • • •		_	_						
			SCREEN	S:								
	Perforation		Method									
	Screens		Туре 304		Ma	erial <b>Stainless</b>	DEC	EU/er	Q.			
	To	Slo	t	Diameter	Tele/pip		IVEC	EIVEL	J			
From 455	465	0 size	Number	16"	PS							
485	540	.035		16"	PS		FEB (	) 5 <b>2004</b>				
550	585	.035		16	PS							
585	617	.035		16"	PS		WATER RES	OURCES D	EPT			
							SALEN	, OREGON				
(8) W	ELL TES	STS: N	1inimum t	esting time	is 1 hou	ır	Date started 9/8/03		Cor	npleted 1/20/0	)4	
(6)				<b>&amp;</b>			(unbonded) Water	Well Construct				
	ump		Bailer	∏Air		Flowing Artesian	,				ation, or ab	andonment
_	d gal/min		awdown	Drill ste	m at	Time	I certify that the v	pliance with Or	egon wate	r supply well co	nstruction s	tandards.
*101	B IIIII	T				l hr.	Materials used and in and belief.	niormation repo	above	are true to the t	est of my k	nowleage
4000		80				48 hrs	: <b>/</b> ,		$\mathcal{T}^{-}$	WWC Nu	nber 1523	j
							Signed holley	1	A		Date 2/	4/04
Temper	rature of w	ater 56	F	Depth Artesi	an Flow	Found		ell Constructor	Certificat			<del></del>
_	water analy			es By whom			I accept responsib				andonment	work
	-		_	ole for intend		Too little	performed on this we	ell during the co	nstruction	dates reported a	ibove. All v	vork
-			Odor [		Anther	Wood/Fine Sand	performed during this construction standard	is time is in com	pliance wi	th Oregon wate he best of my kn	r supply we owledge an	II d belief.
			Sections	Colored [			- Constitution Standard	-, _ //	//		mber <b>1464</b>	
Debm (	or suaia.		20000110				Signed	MAN SOME			Date 3	14/04
							Jigileu	v 4///		<del></del>		<del>- 12 +</del>

### MULT 72119 **MULT 72119**



Geo-Tech Explorations, Inc. 19700 SW Teton Tualatin, OR 97062

Ph: (503) 692-6400, Fax: (503) 692-4759

Well Name: Cascade Well No. 4
Start Card #: 160370
Label #: L68016

Material Description	From:	To:
Topsoil with gravels	0	6
Gravels	6	120
Gravels with some cementation	120	138
Brown silt with gravels	138	178
Green silt with gravels	178	186
Green and brown silt with gravels	186	190
Grey to green silt with some gravels	190	280
Brown silt with small gravels	205	208
Siltstone hard, grey	218	226
Grey siltstone med hard	226	265
Gravels, small to sand	265	287
Gravels, Hard	287	302
Gravels with some cementation	302	320
Gravels, Hard, Cemented	320	330
Gravels, Hard, loose	330	336
Gravels, hard with grey silt	336	361
Gravels with brown and grey silt	361	380
Gravels, hard with some cementation	380	386
Garvels, hard with grey silt	386	404
Silt, grey to green with gravels	404	416
Gravels, hard	416	420
Silt to clay, green	420	432
Brown silt	432	441
Gravels with brown silt	441	450
Sandy silt, brown	450	472
Gravels, Hard, Cemented	472	478
Brown clay	478	480
Black sand, cemented	480	502
Gravels, cemented	502	532
Gravels with loose sands	532	536
Sand and gravels	536	540
Grey sand with some gravels	540	544
Grey sand, fine	544	551
Dark grey sand, medium	551	600
Gravels, large with wood and sand	600	605
Sand and gravels	605	624
Wood	624	625

# RECEIVED

FEB 05 2004

WATER RESOURCES DEPT SALEM, OREGON