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 67857 (amended DESC 56449) (START CARD) # 164709

(1) OW					W	ell Nu	nber <u>O</u>	utbacl	k #6	(9) LOCA						ماسطند		
Name Ci	ty of B	end									Deschuter							WM.
Address	P.O. Bo	x 431									, 17		Range					W IVI.
City Ber	nd			State	Or			Zip 97	701		34							
(2) TYI	E OF	WORK	<u> </u>							Tax Lot	6202R2 L	ot	_ Block _		Sı	ibdivision		
New \	Well 🗌	Deepen	ing Altera	ation (re	pair/re	econdit	tion) 🔲	Aband	onment	Street Ad	dress of Well	(or nearest	address)	15900	Skylin	er Rd., B	end,	OR
(3) DRI										97701								
			ary Mud [Cable		Aug	ger			(10) STAT	IC WATE	R LEVEL:						
			ulation, Du							480	ft. belo	ow land surfa	ace.		I	Date 11/0	2/04	
(4) PRO										Artesian	pressure '	1	b. per squ	are inc	h. I	Date		
Dome			nmunity	Industr	rial		Irrigatio	n		(11) WATI			S:					
		Inje		Liveste		_	Other	••		()								
Therm			ONSTRUC'				Other			Depth at whi	ch water was	first found	115'					
						60.		Wall	964 A	Deptil at this								
			roval Yes							From	······································		То	F	stimated	Flow Rat	e	SWL
-		Yes	✓ No Typ			A	mount _			115	11	125		30			-	115
I	HOLE			SEA	AL					516		582		200	apm			480
Diameter	From	1	Materia		rom	To	1	s or pou	ands			864		 		nmeasua	ble	480
20"	0	502'	Cement				5 yard			638		004		1101	00 0.			
				0		160'	11 yar	rds						 				
16"	502'	864'								L		<u> </u>					_==	<u></u>
										(12) WEL	L LOG:							
How was	seal pla	aced:	Method	□ A		В [Z C	\Box D	□E	\ `'		Elevation _						
☐ Oth																		
		rom 16	0 ft. to 4	60 f	ft.	Mate	rial san	d gro	ut		Materia	al			From	То	S	WL
Gravel p			_		ft.		of gravel			*** SEE A	TTACHED I	LOG"					4_	
(6) CA																		
• •				S	tool	Plasti	ic Weld	led T	Threaded									
	Diamete:	1		375 [_	1								
Casing: 1	0	+1	0/3	:	Ø	닐	Z											
												2 / 1000 000					1	
										R	ECE	VED				ļ	+	
_												<u> </u>		-+		 	+-	
Liner: 1	2"	662	.1' 864'	[V		Z	3			ED 1) 1	0005				 	+-	
_				[]			EB 24	ZUU5				 		
Final loc	ation of	shoe(s)														 	+	
(7) PER	RFOR!	TION	S/SCREEN	S:							<u>R RESOU</u>		PT			 	+	
	rforation		Method Fa							<u> </u>	ALEM, O	REGON		·		<u> </u>	-	
Sci			Туре	-		М	aterial									ļ		
		Sto	ıt			Tele/p	ipe											
From 664'	R64'	3/16	Number 0x3 9,120	Diame	eter	size		asing	Liner					.				
664'	JU-7	3710	70 0,120	- -														<u> </u>
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		Ш		<u> </u>		L			LJ							†	+	
										 	00144754				11/24	/04		
(8) WE	LLTE	STS: I	Minimum to	esting t	ime i	is 1 ho	ur			Date started	U5/14/04	<u> </u>			11/24	77		
								Flow	ing	(unbonded)	Water Well	Constructo	r Certific	ation:			ı ·	
√ Pu	mp	П	Bailer		Air		, [Artes		I certify to	hat the work	I performed	on the co	nstructi	on, alter	ation, or a	pande stand	onment lards
	gal/min		rawdown	Dr	rill ster	nı at		Т	ime	Materials use	s in compilar ed and inforn	nation report	ed above	are true	to the	est of my	know	ledge
110.0	H	T	. <u></u>					}	hr.	and belief.		1	-/->					
1,450		1'			,			24		//	1. In	11 Ga	16)	W		mber <u>170</u>		
1,430		+	a				-			Signed /	1194/1	C. CH.	W/_			Date 02	-21-0	5
<u> </u>			, =	David .		m Pil	, Fan-1			(bonded) W	ater Well Co	nstructor C	ertificati	on:				
Tempera				Depth A						Languete	aanangihilitu	for the cons	truction :	alteratio	n, or ah	andonmen	t wor	k
Was a wa							of Bend				41-1	i.a.a tha aan	etruotion	dotec re	INOMEA 2	INAVE AII	wn	
			ater not suitab					Too lit	tie	performed di construction	uring this tim	e is in comp	liance wi	th Oreg	on wate	r supply w	eli nd be	lief
Salty	□Me	addy [Odor [Colored	ı [] Other	·			construction	symdards.	nis report is	true to to	E_DCSL C	n my Kil Micesto	mber 152	3	
Depth of	strata:	*****								L	//. / `	\ //		W	WC NU	Date 02		15
-			•							Signed	my/	/X				_ Date UZ	-21-	-

STATE OF OREGON

STATE OF OREGON						(WELL I.D.)# L <u>67857</u>								
WATER SUPPLY WELL REPORT (as required by ORS 537.765)							(START CARD) # 164709							
Instruction	us for co	ompleting this	report are	on the	last p	age of this form.								
(1) OWNER: Well Number Outback #6 Name City of Bend						(9) LOCATION OF WELL by legal description: County Deschutes Latitude Longitude								
						County Des	chutes 1.atit	1.0	engitude	w				
	Box 43	31					Township 17	S	Range	11	E	V1		
ity Bend			State C	Or		Zip 97701	Section 34	SW	1/4	JE "	_ 1/4 Selective mess			
(2) TYPE OF WORK ☑ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment							Tax Lot 6202R2 Lot Block Subdivision Street Address of Well (or nearest address) 15900 Skyllner Rd., Bend,							
			eration (rep	oair/reco	onditio	n) [] Abandonment		of Well (or neares	address)	10300 OKJIII				
3) DRILL							97701 (10) STATIC W	ATED EVEL						
🗾 Rotary Air	[[] i	Rotary Mud	Cable	لــا	Auger			ft, below land sur			Date 11/0	2/04		
Other Re	verse C	Circulation, D	ual Rotar	ry				re	lb. per squ		Date			
4) PROPO	SED U	SE:			(=3.1	ianten	(11) WATER B							
Domestic	M	Community	Industri	191 - C		iganon Isaa	(II) Witter							
Thermal	<u> </u>	Injection CONSTRU	Livesto	эск	الال	her	Depth at which was	er was first found	115'					
(5) BORE	HULL	CONSTRU	CHON.	Donth of	f Com	oleted Well 864 ft	je pan da milen me							
Special Const	truction.	approvac⊥iii vo∈ OZNos 3	ione es M ilitari	exeptor of	Am	ounl	From		To	Estimate	d Flow Ra	ie 3		
Explosives us HOI		res Mature i	SEA		'				30	30				
11O1 Diameter Fi		o Mate			То	Sacks or pounds	516	582		200 gpm		4		
20" 0		2' Cement				yards	638	864		Rev.Circ-	ınmeasua	ble 4		
						1 yards				ļ				
16" 50	02' 86	4'								<u> </u>		<u></u> _		
							(12) WELL LO	G:						
How was seal	I placed	Method	[] A	ſΒ	V	C □D □E		Ground Elevation						
								.,				T 611		
Backfill place	ed from	160 iì to	460 li	l M	<i>A</i> ateria	sand grout		Material		From	To	SW		
Gravel placed	d from	480 ft. to	502 fi	i. S	aze of ;	gravel 1/4	*** SEE ATTAC	HED LOG"						
6) CASIN														
		From To	Gauge St	icel l'	Mastic	Welded Threaded								

	+	1 675		_							 			
Casing: 16"	+	675		1			-DE	CEIVE	3			+-		
			.375	4			RE	CEIVE	5					
			.375	4)					
			.375	4				CEIVE I)					
			.375	4			DEC	15 2004						
Laner 12"	6	662.1' 864'	.375	4			DEC	1 5 2004	DEPT_					
Liner 12"	6 of shoe	662.1' 864'	.375	4			DEC	15 2004	DEPT_					
Final location 7) PERFO	of show	(s) NS/SCREE Method F	NS:	✓			DEC	1 5 2004	DEPT_					
Final location 7) PERFO	of show	(s) NS/SCREE Method F	NS:	✓			DEC	1 5 2004	DEPT_					
Final location 7) PERFO Perfore	of show	of Sint State Stat	NS:	4		Z	DEC WATER F	1 5 2004	DEPT_					
iner 12" Final location 7) PERFO Perfora	of shoe PRATIC ations	of Sint State Stat	NS:	4	Mate		DEC WATER F	1 5 2004	DEPT_					
Final location 7) PERFO Perfora Screen	of shoe PRATIC ations	ONS/SCREE Method F Type Stat size Namb	NS:	4	Mate	Z	DEC WATER F	1 5 2004	DEPT_					
Final location 7) PERFO Perfora Screen	of shoe PRATIC ations	ONS/SCREE Method F Type Stat size Namb	NS:	4	Mate	Z	DEC WATER F	1 5 2004	DEPT_					
Final location 7) PERFO Perfora Screen	of shoe PRATIC ations	ONS/SCREE Method F Type Stat size Namb	NS:	4	Mate	Z	DEC WATER F	1 5 2004	DEPT_					
Final location 7) PERFO Perfora Screens	of shoe PRATIC ations	ONS/SCREE Method F Type Stat size Namb	NS:	4	Mate	Z	DEC WATER F	1 5 2004	DEPT_					
Final location 7) PERFO Perfora Screen: From 664 864	of shoe PRATICations as	ONS/SCREE Method F Type Stat size Namb 9,120	NS: Factory	der 1	Mate	Casing Liner	DEC	1 5 2004 RESOURCES EM, OREGO	DEPT	1412	4/04			
Final location 7) PERFO Perfora Screen: From 664' 864	of shoe PRATICations as	ONS/SCREE Method F Type Stat size Namb	NS: Factory	der 1	Mate	Casing Liner	DEC WATER F SAI	1 5 2004 RESOURCES EM, OREGON	DEPT 1	appleted 11/2	4/04			
Final location 7) PERFO Perfora Screen: From 664* 864	of shoe PRATICations as	ONS/SCREE Method F Type Stat size Namb 9,120	NS: Factory or Diamet	ter ter time is 1	Mate	rial	Date started 06/14 (unbonded) Wate	RESOURCES EM, OREGOI	Con	ation:		abandon		
Final location 7) PERFO Perfora Screen: From 664 864	of shoe PRATICations as	ONS/SCREE Method F Type Stat size Namb 9,120	NS: Factory	ter ter time is 1	Mate	Casing Liner	Date started 06/14 (unbonded) Wate	RESOURCES EM, OREGOI	Con Certific	ation: nstruction, alter	ration, or a			
Final location 7) PERFO Perfora Screen From 664' 864	FESTS	15 162.1' 1864' 15 15 15 15 15 15 15 1	NS: Factory Lesting ti	ter ter time is 1	Mate Size	Flowing Artesian	Date started 06/14 (unbonded) Wate I certify that the of this well is in co	RESOURCES EM, OREGOI	Con Certific	ation: nstruction, alter	ration, or a			
Final location 7) PERFO Perfora Screen From 664' 864 8) WELL	FESTS		NS: Factory Lesting ti	ter ter time is 1	Mate Size	Flowing Artesian Time Lhr.	Date started 06/14 (unbonded) Wate	RESOURCES EM, OREGOI	Con Certific	ation: nstruction, alto supply well c are true to the	eration, or a construction best of my	knowle		
Final location 7) PERFO Perfora Screen From 664' 864 8) WELL	FESTS		NS: Factory Lesting ti	ter ter time is 1	Mate Size	Flowing Artesian	Date started 06/14 (unbonded) Wate I certify that the of this well is in co- Materials used and and belief.	RESOURCES EM, OREGOI	Con Certific	ation: nstruction, alto supply well c are true to the	eration, or a construction best of my umber	knowle		
Final location 7) PERFO Perfora Screen From 664' 864 [8) WELL Pump Yield galls	TESTS	NS/SCREE Method F Type Stat size Namb 3/16x3 9,120 S: Minimum [] Butter Drawdown	NS: Factory Lesting ti	ime is	Mate Size	Flowing Artesian Time Lhr. 24 hr	Date started 06/14 (unbonded) Wate I certify that the of this well is in ec Materials used and and belief: Signed (MAT)	RESOURCES LEM, OREGON 1/04 T Well Construct e work I performed information report I miormation report I Market	Con pr Certific d on the co egon water ned above	ation: nstruction, alto supply well c are true to the WWC N	eration, or a construction best of my	knowle		
Final location 7) PERFO Perfora Screen: From 664' 864 [8] WELL. Pump Vield gal/s	TESTS	Sis	NS: Factory Lesting ti	ime is large and artesian large san	Mate Size	Flowing Artesian Time Lhr. 24 hr	Date started 06/14 (unbonded) Wate I certify that the of this well is in co- Materials used and and belief. Signed (bonded) Water V	RESOURCES EM, OREGON Well Constructs Construct or with Or Information repo	Control of the contro	ation: Instruction, altoo supply well coare true to the WWC Notes to the on:	eration, or a construction best of my umber Au	knowled 17/0		
Final location 7) PERFO Perfora Screen From 664' 864 (8) WELL Pump Vield gal/n 1,450 Temperature Was a water a	TESTS	Signature of the state of the s	Issue Diantel Lesting ti Depth A Yes By W	ime is lartestan is chom C	Mate Size	Flowing Artesian Time 1 hr. 24 hr ound Bend	Date started O6/14 (unbonded) Wate I certify that the of this well is in co Materials used and and belief. Signed (bonded) Water V I accept respons	RESOURCES EM, OREGOR Well Construct e work I performed impliance with Or information repo Vell Constructor institution the constitution the constitution the constructor well there is the constitution that the constitution th	Control Certification estruction, estruction, estruction, estruction, estruction.	ation: nstruction, alto supply well care true to the WWC Noon: alteration, or a	eration, or a construction best of my umber Date handonmer above. All	knowle		
Final location 7) PERFO Perfora Screen From 664' 864 (8) WELL Pump Vield gal/n 1,450 Temperature Was a water a	TESTS	Sissippe State Namb Size N	Issue Diameter Diameter Diameter Diameter Diameter Diameter Depth A Yes By we table for unitable	ime is lartesian I whom Catended i	Mate Size Size Size Size Size Size Size Siz	Flowing Artesian Time Lhr. 24 hr Ound Bend Too little	Date started 06/14 (unbonded) Wate I certify that the of this well is in co- Materials used and and belief. Signed (bonded) Water V I accept response performed on this	RESOURCES EM, OREGOI Well Constructs enough to performe outpliance with Or information repo Vell Constructor sibility for the convert during the converted outplied to the c	Control of the contro	ation: Instruction, alto supply well countries true to the WWC Notes on: alteration, or a dates reported to Orean wall	eration, or a construction best of my umber Date Date above. All er supply w	knowle 12/2 17/2 nt work I work		
Final location (7) PERFO Perfore Screen From 664' 864 (8) WELL Pump Vield gall 1,450 Temperature Was a water a	TESTS	Sissippe State Namb Size N	Issue Diameter Diameter Diameter Diameter Diameter Diameter Depth A Yes By we table for unitable	ime is lartesian I whom Catended i	Mate Size Size Size Size Size Size Size Siz	Flowing Artesian Time 1 hr. 24 hr ound Bend	Date started O6/14 (unbonded) Wate I certify that the of this well is in co Materials used and and belief. Signed (bonded) Water V I accept respons	RESOURCES EM, OREGOI Well Constructs enough to performe outpliance with Or information repo Vell Constructor sibility for the convert during the converted outplied to the c	Control of the contro	ation: Instruction, alto supply well care true to the WWC No On: alteration, or a dates reported th Oregon wat e best of my k	eration, or a construction best of my umber	knowle 12/2 nt work I work vell and beli		
Final location 7) PERFO Perfora Screens From 664' 864 (8) WELL Pump Yield gal/n 1,450 Temperature Was a water a	Tests To y Tests To y To water analysis a contain Muddy	Sissippe State Namb Size N	Issue Diameter Diameter Diameter Diameter Diameter Diameter Depth A Yes By we table for unitable	ime is lartesian I whom Catended i	Mate Size Size Size Size Size Size Size Siz	Flowing Artesian Time Lhr. 24 hr Ound Bend Too little	Date started 06/14 (unbonded) Wate I certify that the of this well is in co- Materials used and and belief. Signed (bonded) Water V I accept response performed on this	RESOURCES EM, OREGOR Well Construct e work I performed to the constructor of the constru	Control of the contro	ation: Instruction, alto supply well care true to the WWC No On: alteration, or a dates reported th Oregon wat e best of my k	eration, or a construction best of my umber Date Date above. All er supply w	knowle //// nt work l work well and beli		

DESC 56449



Geo-Tech Explorations
A Division of Contracting Macaile 19700 SW Teton Ave
Tualatin, OR 97062
503-692-6400
503-692-4759 (fax)

RECEIVED

DEC 15 2004

WATER RESOURCES DEPT SALEM, OREGON

Start Card: <u>164709</u> Well Label: <u>L67857</u>

Boring #: Outback #6

Soil Profile Continued from Log:

Material	From	To	SWL
Soil	0	4	
Broken Brown Rubble	4	12	
Broken Pumice	12	46	
Basalt – black & red	46	51	
Basalt – gray	51	115	
Basalt (soft) – red	115	260	115
Basalt – black	260	380	
Lava Pumice – brown & red	380	435	
Basalt – brown & red	435	446	
Red lava rock	446	472	
Basalt – black w/ brown	472	516	
Lava – brown & red	516	582	480
Cinders – brown & red	582	620	↓
Basalt - brown	620	638	\downarrow
Lava – black & brown (caving)	638	658	→
Red cinders (caving)	658	689	→
Basalt – black w/ red	689	691	→
Basalt – gray	691	700	↓
Lava – gray w/ red	700	705	\rightarrow
Basalt – brown w/ red lava	705	710	→
Red Cinders	710_	744	<u> </u>
Basalt – gray	744	751	<u> </u>
Red Cinders	751	780	<u> </u>
Basalt - gray	780	801	<u> </u>
Basalt – gray & red	801	831	1
Basalt – red	831	836	↓
Red Cinders	836	864	480