STATE OF OREGON WATER SUPPLY WELL REPORT (as required by ORS 537.765 & OAR 690-205-0210)

03-27-2008

WELL LABEL # L	93031
START CARD#	1002875

(1) LAND OWNER Owner Well I.D.	(9) LOCATION OF WELL (legal description	n)						
First Name Last Name	County Deschutes Twp 21 00 s N/S Range 12 00 E E/W WM							
Company NEWBERRY GEOTHERMAL LLC	Sec 29 SW 1/4 of the NE 1/4 Tax Lot NON							
Address C/O HAP TAYLOR	Tax Map Number Lot _							
City BEND State OR Zip 97709	Tax Map Number Lot Lat 43 43 48.000 or 43.73000000 DMS or DD Long -121 18 48.000 or -121.31333333 DMS or DD							
(2) TYPE OF WORK New Well Deepening Conversion	Long <u>-121</u> ° <u>18</u> ' <u>48.000</u> " or <u>-121.31333333</u> DMS or DD							
Alteration (repair/recondition) Abandonment	Street address of well Nearest address	;						
(3) DRILL METHOD Rotary Air Rotary Mud Cable Auger Cable Mud	FOREST SERVICE RD 558 DRILL PAD 29 NE CORNER							
Reverse Rotary Other	(10) STATIC WATER LEVEL Date SWL(ps	si) + SWL(ft)						
(4) PROPOSED USE Domestic Irrigation Community	Existing Well / Predeepening							
Industrial/ Commercial Livestock Dewatering	Completed Well 03-13-2008	325						
Thermal Injection Other	Flowing Artesian? Dry Hol							
(5) BORE HOLE CONSTRUCTION Special Standard (Attach copy)	WATER BEARING ZONES Depth water was first							
Depth of Completed Well _583.00 ft.	SWL Date From To Est Flow SWI 03-10-2008 400 420 30	L(psi) + $SWL(ft)325$						
BORE HOLE SEAL sacks/	03-11-2008 458 510 40	325						
Dia From To Material From To Amt lbs	03-11-2008 550 562 100	325						
14 0 118 Bentonite Chips 0 2 4 S	03-12-2008 570 583 500	325						
10 118 410 Cement 2 118 132 S								
9.5 410 583	(11) WELL LOG Ground Elevation 5,800							
How was seal placed: Method A B C D E		om To						
Other Poured Dry	Clay Pumice	0 2						
Backfill placed from ft. to ft. Material	Ash Tuff Purple	2 22						
Filter pack from ft. to ft. Material Size	C:d D11- Cd	22 35						
Explosives used: Yes Type Amount	C' 1 A 1 D ·	35 45						
(6) CASING/LINER	L C III	45 105 105 135						
Casing Liner Dia + From To Gauge Stl Plstc Wld Thrd	L Ci I D- I D ViI	135 145						
 ● 10 × 2 118 .250 ● ○ × □ 	Lava Gray Hard	145 155						
0 543 .188		155 170						
8 543 583 .250	C : 11	170 190						
		190 220 220 265						
	C1	220 265 265 275						
Shoe Inside Outside Other Location of shoe(s) 583	Lava Gray	275 320						
Temp casing Yes Dia From To		320 345						
(7) PERFORATIONS/SCREENS	C 111 C 1D	345 400						
Perforations Method Air Perf		400 421 421 426						
Screens Type Material	T D 1: Cl C	426 458						
Perf/SCasing/ ScreenScrn/slotSlot# ofTele/creenLinerDiaFromTowidthlengthslotspipe size	Date Started 01-17-2008 Completed 03-1							
Perf Liner 8 539 579 .125 2 1,440	(unbonded) Water Well Constructor Certification							
	I certify that the work I performed on the construction, or should be about the work I performed on the construction, or should be about the work I performed on the construction, or should be about the work I performed on the construction, or should be about the work I performed on the construction, or should be about the work I performed on the construction, or should be about the work I performed on the construction, or should be about the work I performed on the construction, or should be about the work I performed on the construction, or should be about the work I performed on the construction, or should be about the work I performed on the construction.							
	abandonment of this well is in compliance with Ore construction standards. Materials used and information re							
	the best of my knowledge and belief.							
(8) WELL TESTS: Minimum testing time is 1 hour	License Number 758 Date 03-27-2	2008						
Pump Bailer • Air Flowing Artesian	Electronically Filed							
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)	Signed THOMAS R PECK (E-filed)							
500 580 2	(bonded) Water Well Constructor Certification							
	I accept responsibility for the construction, deepening, al	teration, or abandonmen						
	work performed on this well during the construction dates r							
Temperature53	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.							
Water quality concerns? Yes (describe below)		•						
From To Description Amount Units	License Number 1720 Date 03-27-200 Electronically Filed	08						
	Signed JACK ABBAS (E-filed)							
	Contact Info (optional)							
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03-27-2008

START CARD # 1002875

(5) BORE HOLE CONSTRUCTION							(1	(10) STATIC WATER LEVEL Water Bearing Zones										
BORE HOLE SEAL sacks/ Dia From To Material From To Amt the						s/												
Dia	Fron	n 	То	ا ا ا ا	Material	Fro	m	То	Amt	lbs		SWL Date			E-4 El	CW/I (!)	_	CIVII (C)
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(6) CA	CTNI	¬/т	INED)		-					- (J	1) WELL	LOG					
(0) C	191110	J/L	INCK	L									Material			From		To
Casin	g Line	· I	Dia	+	From To	o Gauge	Stl	Plstc	Wld	Thrd		onglomerate I		e		458		510
\bigcap												ava Pumice La				510	_	540
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(7) PE	ERFO	RA	TION	IS/SCI	REENS													
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(8) W	FII'	TEG	2TC. 1	Minim	um testi	na tima i	e 1 h	Aur										
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Yield	gal/mii	n	Draw	down	Drill ste	em/Pump de	epth	Dura	ation (ł	nr)		Comments/	/Remarks					
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Wa	ter O	 ıalit	y Con	cerns						_		2 yrds sand g	grout 90 feet -	140 feet				
Fro		To			Descripti	ion	,	Amount	Uni	ts		3 yrds sand g	grout 160 feet	- 185 feet				
110		10	, 		Descripti	OII		uii	- 5111			4 yrds sand g 8 yrds sand g	grout 155 feet	- 220 feet				
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