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

WELL LABEL # L	85275
START CARD#	193731

(1) LAND OWNER Owner Well I.D.	(9) LOCATION OF WELL (legal description)					
First NameCHRIS & DONNA Last Name HEFFERNAN	County UNION Twp 5 S N/S Range 39 E E/W WM					
Company	Sec 34 NW 1/4 of the NW 1/4 Tax Lot 4100					
Address 63600 VEIWPOINT LANE	Tax Map Number Lot					
City NORTH POWDER State OR Zip 97867	Lat ° ' " or DMS or DD					
	Long DMS or DD					
(2) TYPE OF WORK New Well Deepening Conversion	Street address of well Nearest address					
Alteration (repair/recondition) Abandonment	Street address of well (* Treatest address					
(3) DRILL METHOD	OLSEN ROAD & BAGWELL ROAD					
Rotary Air Rotary Mud Cable Auger Cable Mud						
Reverse Rotary Other	(10) STATIC WATER LEVEL Date SWL(psi) + SWL(ft)					
	Existing Well / Predeepening					
(4) PROPOSED USE Domestic Irrigation Community	Completed Well 04-03-2008					
Industrial/ Commercial Livestock Dewatering	Flowing Artesian? Dry Hole?					
Thermal Injection Other	WATER BEARING ZONES Depth water was first found 10					
(5) BORE HOLE CONSTRUCTION Special Standard Attach copy)						
Depth of Completed Well 405 ft.	03-19-2008 6 10					
BORE HOLE SEAL sacks/	03-19-2008 14 22					
Dia From To Material From To Amt Ibs	03-19-2008 67 72					
26 0 409 Bentonite 0 12 4,000 P	03-19-2008 114 116					
17 409 412 Cement GROUT 12 100 8 UR	03-20-2008 122 132					
12 412 424 Cement & Court 205 210 .75 LED	(11) WELL LOG Ground Flevation					
	Stouring Dievarion					
How was seal placed: Method A B C D E	Material From To					
Other DRY POUR BENTONITE	DARK TOP SOIL 0 2					
Backfill placed from ft. to ft. Material	BROWN COARSE SAND 6 10					
Filter pack from 100 ft. to 205 ft. Material GRAVEL Size pea gravel	BROWN BURNT CLAY 10 14					
Explosives used: Yes Type Amount	SAND & SMALL GRAVEL 14 22					
(C) C) CINC/LINED	BROWN CLAY 22 32					
(6) CASING/LINER Casing Liner Dia + From To Gauge Stl Plstc Wld Thrd	BROWN SLITY CLAY 32 50					
(a) 18 × 2 124 375 (b) ×	BROWN CLAY W/SM SAND STREAKS 50 67					
	FINE BRN SAND 67 72					
18 164 241 .375 18 261 315 .375	GREY STICKY CLAY 72 85					
18 325 405 .375	GREY STICKY CLAY, SOFT SANDSTONE, FIN 85 92					
	STICKY BLUE CLAY 92 105					
Shoe Inside Outside Other Location of shoe(s)	BROWN CLAY 103 104 105 107 108 114					
	FINE SAND, SOFT SANDSTONE 114 116					
Temp casing Yes Dia From To	GREY CLAY 116 122					
(7) PERFORATIONS/SCREENS	COARSE GREY SAND 122 132					
Perforations Method	TAN STICKY CLAY 132 134					
Screens Type JOHNSON WIRE Material M.S.	BROWN COARSE SAND W/SM CLAY LAYER 134 165					
Perf/ Casing/Screen Scrn/slot Slot # of Tele/	Date Started 03-20-2008 Completed 05-05-2008					
Screen Liner Dia From To width length slots pipe size						
Screen Casing 18 124 164 .04 Screen Casing 18 241 261 .04	(unbonded) Water Well Constructor Certification					
Screen Casing 18 241 261 .04 Screen Casing 18 315 325 .04	I certify that the work I performed on the construction, deepening, alteration, or					
Perf Casing 18 385 405 .125 4	abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to					
a cri cusing 10 300 100 1120	the best of my knowledge and belief.					
(8) WELL TESTS: Minimum testing time is 1 hour	License Number 1764 Date 05-07-2008					
	Password: (if filing electronically)					
Pump Bailer Air Flowing Artesian	Signed (A.)					
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr) 1,000 84 250 72	de la división de la contraction de la contracti					
1,000 04 230 72	(bonded/Water Well Constructor Certification					
	I accept responsibility for the construction, deepening, alteration, or abandonmen					
Temperature 59 °F Lab analysis Yes By	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.					
Water quality concerns?	License Number 1595 Date05-07-2008					
- BARIVEN	Password: (if filips electronically)					
TECEIAED	Signed Signed					
	Contact Info (optional)					
1 2008						

UNIO 52017

WATER SUPPLY WELL REPORT - continuation page

WELI	. I.D.	# L	85275
------	--------	-----	-------

START CARD # 193731

(5) BO	(5) BORE HOLE CONSTRUCTION (10) STATIC WATER LEVEL														
BORE HOLE SEAL sacks/						Water Bearing Zones									
Dia	From	То	Mate	rial	From	To	Amt		, ''	ing Zones					
		-						-	SWL Date	From	To	Est Flow	SWL(psi)	+ 5	SWL(ft)
		 -					+	+	03-20-2008	134	165	-			
		+					+	+	03-20-2008	241	246	-		1	
								1	03-21-2008	315	321			+	
									 			+		H	
														H	
	FILTE	R PACE	ζ.												
_	rom	To	Material	Size											
210 424 GRAVEL pea gravel															
-					_										
(11) WELL LOG															
(6) CA	SING	LINE	 R			_			(11) WELL I	<i>.</i> 00					
(0) CA	SI (G)	Liite								Material			From		To
Casin	ng Liner	Dia	+ Fron	n To	Gauge	Stl Plst	c Wld	Thrd	BLUE CLAY	E C 4 N I D			165	_ _	241
\bigcirc						\circ			BLUE COARS BLUE SAND (241		246 262
Ö	a					\circ			BLUE STICKY			_	262		297
\overline{O}	ā					\circ			DARK GREY		AY		297		309
\bigcirc						\circ			SANDY BLUE			E STREAK	309	_	315
Q	Q_{\perp}					Q C			COARSE BLU				315		321
							BLUE CLAY V	V/SAND ST	REAK		321		331		
Q	Q		ļ Ц		<u></u>	Q		Н	GREY CLAY				331		368
Q					<u> </u>	\mathcal{Q}	}	Н	BLUE CLAY,I		COARSE SA	AND	368		380
\bigcirc	\Box		L			\circ			GREY SANDY GREY CLAY,I		CAND W/ E	ED	380	_	383
									BASALT LAY		SAND W/ N	LED_	383		385
									GREY SILTST			_	385	-	403
									GREY CLAY				403	_	406
(7) PE	RFOR	ATIO	NS/SCREI	ENS					GREY SILTST	ONE			406		409
					n/slot	Slot	# of	Tele/	BLACK BASA	LT			409		424
Perf/ Casing/Screen Scrn/slot Slot # of Tele/ Screen Liner Dia From To width length slots pipe size													_ _		
								1]					_ _	
]						
-	_				_		_								
				_	_		_		1						
-						_	$\overline{}$								
									1						
									1					_ _	
]						_
															_
(8) WF	ELL TI	ESTS:	Minimum	testing (ime is 1	hour									
` '				•								_			
Yield s	gal/min	Drav	vdown D	orill stem/P	ump depth	<u>Du</u>	ration (h	<u>r)</u>	Comments/I	Remarks					
		_			-			\dashv							
		+						-							
								┪							
								7							
West	er Qual	lity Cor	ncerns					-							
From		•		ecription		Amoun	t Unit	ts							
TION	From To Description Amount Units														
				1 m	CE	VE	n								
				1	CE	y I									
						1									

WATER RESOURCES DEPT SALEM, OREGON