Arrow 10-002

STATE OF OREGON WATER SUPPLY WELL REPORT

(as required by ORS 537.765) (1) LAND OWNER:										
Well Number:										
Name: Portland VA Medical Center Address: 3710 SW US Veterans Hospital Road										
City: Portland State: OR Zip: 97239										
(2) TYPE OF WORK: (repair/										
			g Alteratio	n recondition	n) Aba	ndonment				
(3) DRILL METHOD:										
(4) PROPOSED USE:										
=	☐Domestic ☐Community ☐Industrial ☐1rrigation									
Theri		Injectio	TRUCTION:	estock	Other	Public				
			oval Yes	√No						
Depth o	f Comple	ted Well	569	4						
		☐Yes [⊠No Type _		Amount					
HOLE SEAL sacks or Diameter From To Material From To pounds										
16"	0	8	cement	0	353	195 sacks				
12"	8	353								
8"	353	569								
		aced: Me	thod $\square A$]B 🛛	C □D	□E				
Othe Backfill		rom	to	Materia						
	placed 1		to	Size of						
. ,	SING/LI	NER:								
CASIN Diamete		To	Gauge	Steel Pla	stic Wel	ded Threaded				
8"	+14"		.250							
LINER										
6"	344	569	.250	\boxtimes		3 🗆				
					ㅁ ㅁ					
	hoe used		ide 🔯 O 8" 353' 6" top	utside	∐ None om of lin					
			CREENS:	una bott	0111 01 1111					
Perfo	rations		d: factory mi							
Scree	en	Type: Slot		Material:	e/pipe	-				
From	To	Size				Casing Liner				
536	569	1/8x3	1368 6"	p	ipe					
						님 님				
				_		HH				
(8) WELL TESTS: Minimum testing time is 1 hour										
Pum		☐Bailer Drawdov	_	\ir □! I Stem at	Flowing . Time					
Yield gp 221		N/A	565	i Stem at	1 hr.					
						RECEIV				
						UFAFA				
Temper	ature of	water 52	Denth A	Artesian F	low Four	nd APR 06 2				
		lysis done	e? <u>yes</u> By	whom:	Arrow	F++ ++ 0 0 2				

WELL ID # L 100244

			L REPOR	T				ĺ			STA	RT CARD	# 20251	<u> 18</u>	
•	ND OW!	RS 537.7	(65)							(0) I OCATION	OF WELL by la	!!	.4!		
(I) LAI	ID OWI	VEK:	v	Vell Numbe					(9) LOCATION OF WELL by legal description: County: Mult. Latitude: Longitude:						
Nama:	Dortland	VA Mad	ical Center	Vell Numbe	i			[Townshim 16	Latitude: _	Lo	ngituae:		-
				pital Road						Section: 00AD	Kange: <u>1E</u>	!	CE.	L	
				: OR				- 1		Toy Lot. 1600	Range: <u>1E</u> <u>NE</u> Lot: Bl	4 a alsı	<u>25</u>	1/4	
			State	: OK	Zip: 9/	239		_		Street Address of	Lot: Bl	ock:	Subali 710 CW	vision: _	
	E OF W			(repair/							Well (or nearest		/10 SW	US Vet	erans
⊠New	Well 🔲	Deepenin	g 🗌 Altera	ation recondit	ion)[[]A	bando	nment	İ			ortland, Oregon 9				
(3) DRI	LL MET	THOD:						_			ATER LEVEL:		_		_
			⁄Iud □Ca	ble Aug	ger					290 Ft. below				2/22/1	
Other	·							- }		Artesian pressure	lb. per	sq. ın.	Da	te	
	POSED	USE						-	-						
Dome	estic D	Commi	ınity 🗀	Industrial	☐lrri	gation					EARING ZONES				
Therr	nal [Injection		Livestock	Oth		lic	[ater was first four				
			TRUCTIO					-	r	From	To		w Rate		SWL
			oval ∐Ye							64	64	< 5 gpm			dnm
		ted Well		S MINO						315	335	+- 20 gpm	1		133'
Evalori	rec Head		√No Type		Amou	nt				404	569	221 gpm			290'
	HOLE		△INO Type	SEA			ks or								
Diamete		To	Material	From	To		ınds			·					
16"	0	8	cement	0	353		5 sacks	$\neg \mid$	_						
12"	8	353		_		 		\dashv \vdash		(12) WELL LC	OG: Gr	ound Eleva	tion:		
					_			_			Material		From	To	SWL
8"	353	569						_		asphalt and grav	vel fill		0	1	
										Silt brwn			1	21	
How wa	s seal pla	aced: Me	thod $\Box A$	□В 🛛	ĊП	D U	E	_		clay gray stiff			21	23	
Othe					_					Clay gray silty			23	25	
Backfill	placed f	rom	to	Mater	ial					clay brwn silty			25	29	
			to		f gravel		_			clay brwn med			29	64	
	ING/LI							-		basalt gray/brw	n wthd	_	64	91	
CASIN										basalt gray med			91	118	
	r From	To	Gauge	Steel P	lastic W	elded T	Threaded			basalt gray/brw	n med wthd		118	132	
8"	+14"	353'	.250	\boxtimes		\boxtimes		J		basalt brwn/gra	y med		132	143	
										basalt gray med	-hrd occ fract		143	182	
										basalt gray/brw	n slightly vesic		182	197	
				\neg						basalt brwn/gra	y med fract		197	227	
LINER	•				_	_	_			basalt gray med	-hrd occ fract		227	240	
6"	344	569	.250		П	\boxtimes	П	- 1		basalt gray hrd			240	296	
		- 307	- 1200		\exists	\boxtimes				basalt gray/brw	n hrd fract		296	315	
Drive S	hoe used	Ins	ide 🛛	Outside			_			basalt brwn dec	comp vesic	_	315	335	
Final lo	cation of	Shoe(s):	8" 353' 6"	top and bot	tom of	liner				basalt gray/blk	hrd occ fract		335	404	
			CREENS:					-		basalt blk/gray	slightly vesic		404	429	
Perfo				mill slotted	ı					basalt brwn dec			429	437	
Scree		Type:		Material	-			- 1			c bkn occ brwn		437	449	
Шзстес	,11	Slot			:le/pipe				,	basalt gray/brw			449	460	
From	To	Size	No. I		size	Casin	g Liner			basalt brwn/red			460	467	
536	569	1/8x3	1368	6"	pipe		\boxtimes			basalt gray hrd	•		467	476	
					_					basalt gray hrd	fract w/brwn sean	ns	476	490	
						1 🗖	┌			(continued on p					
						1 17	Ħ			Date Started: 1/2		Comp	leted: 2/	22/10	'
						, –	_				Well Constructor Co				
(O) 11/E	I DEC	TC. N.C.	44!		h			-		I certify that	the work I perform	ed on the cor	nstruction	alteration	n,, or
				ng time is 1	nour Diamin	~ 4	oion.			abandonment of th	is well is in complia	nce with Ore	gon water	supply	well
Pump		☐Bailer Drawdov		⊠Air Drill Stem at	Flowin	me	Siaii				ards. Materials used		tion repor	ted abov	e are true
Yield gp 221		N/A	565			hr.		ı I		to the best of my k	nowledge and belief		NING N		
221	- I	V/Λ	303		-+-			N 70 2000	-	Signed		D	WWC N	umber _	
					_	- 2	ECE	WE		Signed	11.0		ate		
				_	+		and All Ex.				ell Constructor Cert		Iteration	or shand	onment
Tomas	otums of	water 52	Danie	th Artesian	Flow F	ound A	A CC	6 241	n		this well during the				
	ature of					•					i	lammiianaa u	with Orogo	n motor	upply .
Did any	valer ana	lysis done	ter not suits	by whilin;	nded ##	er(h -fre v-	ntain) ou	mock	F\ F	well construction s	tandards. This leno	ry s true to th	ie best of	my knov	vledge and
Did any	Surata CO	лиані wa	tor not suite	able for lifte	naca W	MICH	THE BUU	MULL	U	belief.	11/1/				1.402
D41	£ Ctunta:					SA	LEM, O	$REC\Phi$	N	1/1/	K		WWC N	Number	1483

ARROW DRILLING 503-538-4422

Date 3/9/10

Depth of Strata:

Arrow 10-002 T 101972 PAGE 2 OF 2

STATE OF OREGON WATER SUPPLY WELL REPORT

WATER SUPPLY WELL REPORT										
(as required by ORS 537.765)										
(1) LAND OWNER:										
Nome .	Dantland	VA M-4:1		l Numbei	:					
	Name: Portland VA Medical Center									
Address: 3710 SW US Veterans Hospital Road City: Portland State: OR Zip: 97239										
(A) THE ADMINISTRA										
	(2) TYPE OF WORK: (repair/ New Well ☐ Deepening ☐ Alteration recondition) ☐ Abandonment									
	(3) DRILL METHOD:									
	Rotary Air Rotary Mud Cable Auger									
Other		=								
(4) PRO						_				
Dome		Community			☐ Irriga					
∐Therr		Injection	Live		⊠Other	Public				
		LE CONSTR								
		ction approval	∐Yes L	JNo						
		eted Well l □Yes □N	o Truno		A mount					
	iole	i 🗀 i es 🗀 i v	o Type	SEAL	Amount	sacks or				
Diameter		To Ma	terial	From	To	pounds				
			_							
	_									
		+ +								
T T	11]p 🖂						
Othe		aced: Method	I LA L]B 🔲		∐E				
		from 1	to	Materia						
Gravel p			to	Size of						
(6) CAS				5120 01	graver_					
CASINO		IVER.								
Diameter		ı To	Gauge S	Steel Pla	stic Weld	ded Threaded				
LINER	:					_				
Drive Sh	oe used	☐ Inside	□ O ₁	utside	☐ None	;				
Final loc	ation of	Shoe(s):	_							
		ΓIONS/SCRE								
	rations	Method: _								
Scree	n	Type:	N	Material:		_				
From	To	Slot Size N	o. Dian		e/pipe ize C	Casing Liner				
FIOR	10	Size N	O. Dian	reter s						
						HH				
			_			ĦĦ				
						H H				
						ΗH				
(8) W/E	LTES	TS: Minimur	n testing t	ime is 1	hour					
Pump		Bailer	n testing t ∏A		Hour Flowing A	Artesian				
Yield gpi		Drawdown		Stem at	Time					
					1 hr.					
Tempera	ture of	water	Depth A		low Four	nd				
Was a water analysis done? By whom:										
Did any strata contain water not suitable for intended use? (explain)										

WELL ID # L 100244 START CARD # 202518

County: Mult.	Latitude:	egai descrip	ongitude:	:	_
Township: 1S	Range: 1E	3	_		-
Section: <u>09AD</u>	NE !	4	<u>SE</u>	1/4	
Tax Lot: <u>1600</u>	Lot: B	lock:	Subdi	vision: _	
Street Address o	f Well (or nearest	address) 3	<u>710 SW</u>	US Vete	rans
	Portland, Oregon 9		_		
	ATER LEVEL:		Data		
	e lb. per	sa in	Date		
Artesian pressure	10. per	sq. III.	D	ate	
(11) WATED B	EARING ZONE				
	vater was first fou				
From	To		ow Rate		SWL
			211111		52
	_				
(12) WELL LO	OG: Gr	round Eleva	tion:		
(,	Material		From	To	SWL
basalt blk hrd f			490	493	
basalt blk hrd v			493	512	
basalt gray hrd			512	518	
basalt gray/blk			518	523	
basalt brwn ded			523	538	
	y hrd well fract		538	544	
basalt gray hrd			544	549	
	y bkn some decor	np vesic	549	558	
basalt brwn hro	occ fract		558	569	
			_		
		- RF	SEIV	= D	
		G & Sen '			
		A 55	06	อกาก	
		Ali	\ 00	2310	
		MATER DE	(enume	DE DED	-
		WATER RE	A OFF	DON'	,
		SALE	M, ORE	はいい	
Date Started: 1/2	21/10	Comp	leted: <u>2/</u>	/22/10	
			icicu. <u>2/</u>	22/10	
	Well Constructor Co t the work I perform		atmostica.	altoration	
abandonment of th	is well is in complia	nce with Ore	gon water	supply w	ı,, oı eli
construction standa	ards. Materials used	and informa	tion repor	ted above	are true
	nowledge and belief				
			_	umber	
Signed			Date _		
	ell Constructor Certi		toretie-	or about	amant.
i accept respond or	ponsibility for the co this well during the	e construction, a	iteration, o	or abandoi	nment ve All
work performed di	ring this time is in a	compliance w	ith Orego	n water su	pply
well constructions	ring this time is in o tandards. This repor	t is true to th	e best of	my knowl	edge and
belief. ////	\mathcal{M}				
Signed ///W	W/MI/			Number <u>14</u>	
Signed ////	THE AM		1	Date <u>3/9/1</u>	<u> </u>
//					

ARROW DRILLING 503-538-4422

Depth of Strata:__