### Attachment A

## Well Logs for Existing Authorized Points of Appropriation for Permit G-10019

Permit Amendment for Avion Water Company Inc. Permit G-10019

RECEIVED

MAR 1 8 2009

## NOTICE TO WATER WELL DATE OF The original and first Supplie of this report are to be filled with the

State Well No. 15/13-36

STATE OF OREGON
within 30 days from the did LEM. OREGONDo not write above this line)

State Permit No. ....

	CKloc. Leo Farr			
(1) OWNER:	(11) LOCATION OF WELL:			
Name PAULA RAMSET	County DESC Driller's well :	umber		
Address Bend Oregon 57 Bosel St.		SSR.	-/3 6	W.M.
(2) TYPE OF WORK (check):	Bearing and distance from section or subdivisi	on corner	,	
New Well Deepening   Reconditioning   Abandon			<del></del>	
If abandonment, describe material and procedure in Item 12.			- =:	* * * * * * * * * * * * * * * * * * *
(3) TYPE OF WELL: (4) PROPOSED USE (check):	(12) WELL LOG: Diameter of well	below car	ing to	rottom
Cable Detted Domestic Tindustrial Municipal	Depth drilled 400 ft. Depth of comp		• 1	
Dug   Bored   Irrigation   Test Well   Other	Formation: Describe color, texture, grain size	and stru	cture of	meterials:
CASING INSTALLED: Threaded   Welded M	and show thickness and nature of each strat	um and s	equifer po	enetrated,
8 " Diam from O ft to 18 ft Gage 250	with at least one entry for each change of form in position of Static Water Level as drilling position.			
4." Diam. from 0 # to 400 # Gage : 2/2	MATERIAL	From	To	SWL.
"Diam. from		+	1	
	Over burden	10	51.	
PERFORATIONS: Perforated? A Yes   No.	Java rock	36	730	•:
Type of perforator used Factory	Baldey can's		301	
Size of perforations 3//L in. by 2" in.	Brund Sandelstone	230	1381	<del></del>
perforations fromft. toft.	water newning Black	1	1111	- 41
120 perforations from 3.77 n. to 400 n.	Sand	341	460	<b>503</b>
perforations from ft. to ft.		+	<u> </u>	<del></del>
perforations from ft. to ft.			ļ.,	ļ
-	<u> </u>	<del>                                     </del>		· ·
perforations from ft. to ft.			_	
(7) SCREENS: Well screen installed? The No			ļ	
Manufacturer's Name		AFI	ten.	- <del> </del>
Type Model No.		CEIV	/EU_	
Diam. Slot size Set from the ft. to ft.		1	ļ	
Diam, Slot size Set from ft. to ft.		AR 18	<del>2009 -</del>	1
		11. 2 0	F	
(8) WATER LEVEL: Completed well.	WATER	RESOUR	<del>CES DE</del>	PT
stic level 38/ ft. below land surface Date 6-2-69	····	EM, OR		
tian pressure lbs. per square inch Date				-
(9) WELL TESTS: Drawdown is amount water level is lowered below static level			-	<u> </u>
Was a pump test made? ☐ Yes 🖟 No If yes, by whom?	A	<del>                                     </del>	<del> </del>	10
eld: gal./min. with ft. drawdown after hrs.	Werk started 5-22 19 49 Comple	ted 6	2	19 67
	Date well drilling machine moved off of well	<u> 6-</u>	1	1069
	Drilling Machine Operator's Cartification	•		•
	This well was constructed under my		pervision	. Mate-
Bailer test / gal./min. with / ft. drawdown after / hrs.	rials used and information reported abo	ove are	true to	my best
Artesian flow g.p.m. Date	knowledge and belief.		1 7	10
Temperature of water 5 € Was a chemical analysis made!   Yes 10 No	[Signed] (Ortiling Machine Operator)	Date	6-2	:., 19 <b>6</b> .7
(10) CONSTRUCTION:	Drilling Machine Operator's License No.	33	8	
Well seal-Material used Coment & Benosta				
Depth of seal	Water Well Contractor's Certification:			
Diameter of well bere to bottom of sealin.	This well was drilled under my juris		nd this	report is
Were any loose strata cemented eff?   Yes   No Depth	true to the best of my knowledge and bel	1 L .	1/1	<b>n</b> .
Was a drive shoe used? [] Yes [] No	(Person, firm or corporation)	TETAN	po or print	##
Did any strata contain unusable water?   Yes No	Pa Par 51 h	P. J.	MAD = 1	<b>./</b>
Type of water? depth of strate	Address	rey!	non	4
Method of sealing strate off 10828	I come y at the			
Was well gravel packed? # Yes   No Size of gravel: // Mik/kS	[Signed] (Water Well Contr	actor)		
Ann 2004 1/10 12	Contractor's License No. 2. 6 Date	14	<b>Z</b>	69
Gravel placed fromR	Contractor a Dicense No. S. M Date		<del></del>	, 10

TO WATER WELL CONTRACTOR	DESC 53381		
The original and first copy	MID 11 7'0	15-112-	1010
filed with the	L REPURT	152/196/	7 <b>36</b> C
STATE OF	OREGON State Well No.	***************************************	
within 30 days from the date	State Bermit	No	
15/336 01 well completion. (200 Lond) accorded willing	de Chanaeall		
(1) OWNER:	(10) LOCATION OF WELL:		
Name Avon Water Co,	County Driller's well s	iumber	
Address Sciel Origin	% % Section T.	R.	W.M.
Churrone to 2 Redisonal of 192-	Bearing and distance from section or subdivis		W.EL
(2) TYPE OF WORK (check):	The same and the section of subdivi	TOR COLUMN	
New Well Deepening (d. Reconditioning   Abandon			
If abandonment, describe material and procedure in Item 12.	(11) WATER LEVEL: Completed v	11	
(3) TYPE OF WELL: (4) PROPOSED USE (check):	1	/eii.	
Rotors Cl. Driven Cl.	Depth at which water was first found 3 &	7	<u> </u>
Cable   Jetted   Domestic   Industrial   Municipal	Static level 385 ft. below land		1 60
(F) CACING DIGMATTER	Artesian pressure lbs. per squa	re inch. Date	
(5) CASING INSTALLED: Threaded   Welded	(12) WELL LOG: Diameter of well	below casing	<i></i>
Diam from	Depth drilled 425 ft. Depth of comp	leted well 42	n E
"Diam from ft. to ft. Gage	Formation: Describe color, texture, grain size		
The state of the s	and show thickness and nature of each stratu with at least one entry for each change of forms	m and aquifer pe	metrated,
(6) PERFORATIONS: Perforated? ☐ Yes ☐ No.	position of Static Water Level and indicate prin	icipal water-beart	ng strata.
Type of perforator used	MATERIAL	From Te	SWL
Size of perforations in. by in.	Para Stuck Stone	1/00 1/25	355
perforations from ft., to ft.			
perforations from			
perforations from ft. to ft.			
(7) SCREENS: Well screen installed?   Yes   No		<del>                                     </del>	
Manufacturer's Name		<del>                                     </del>	
Type Model No		<del>                                     </del>	
Diam Slot size Set from ft. to ft.		<del></del>	
Diam Slot size Set from ft. to ft.	•		
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	RECEIVED		
Was a pump test made?  Yes  No If yes, by whom?		<del>}                                    </del>	
	AUG 0.7 2000	<del></del>	
Yield: gal./min. with ft. drawdown after hre.	AUG 0 7 2000		
	WAICH NESOURCES DEPT		
	SALEM, UNEGON		
Bailer test gal./min. with ft. drawdown after hrs.			
Artesian flow g.p.m.		لبلبا	
Temperature of water Depth artesian flow encountered ft.	Work started 124 1 19 3 Complet	ed Ang SD	1073
(9) CONSTRUCTION:	Date well drilling machine moved off of well	Hry 30	197.3
Well seal-Material used NOT CLE true line	Drilling Machine Operator's Certification:		
Well sealed from land surface to ft.	This well was constructed under my Materials used and information reported	above are true	vision.
Diameter of well bore to bottom of seal in.	best knowledge and belief,		
Diameter of well bore below seal in.	[Signed] (Drilling Machine Operator)	Date Jay	1. 19/
Number of sacks of cement used in well seal sacks	Drilling Machine Operator's License No.	55p	
Number of sacks of bentonite used in well seal sacks			
Brand name of bentonite	Water Well Centractor's Certification:		
Number of pounds of bentonite per 108 gallons of waterlbs_/100 gals.	This well was drilled under my jurisd	iction and this r	eport is
Was a drive shoe used?   Yes   No Plugs Size: location ft.	true to the best of my knowledge and bel	iei.	
Did any strata contain unusable water?   Yes No	Name Alt H Dilling Co.	(Type or pri	nt)
Type of water! denth of strain	Address Ko, Box 51 Keck	mond	

RECEIVED

#### WATER WELL REPORT STATE OF OREGON

# RECEIVED JUN 8 1981

SALEM, OREGON



(1) OWNER:	(10) LOCATION OF WELL:
Name Avion Water Company	County Deschutes Driller a well number
Address 60813 Parrell Road	W. Section 36 T. 15S R. 12E W.M.
City Bend Btate Orc. 97701	Tax Lot # Lot 21 Bik 3 Subdivision Chappare
(2) TYPE OF WORK (check):	Address at well location: Estates-
New Well M Deepening  Reconditioning  Abandon	
If abandonment, describe material and procedure in Item 12.	(11) WATER LEVEL: Completed well.
	Depth at which water was first found 370
(3) TYPE OF WELL: (4) PROPOSED USE (check):	Static level 360 ft. below land surface. Date 5-22-81
Rotary Air   Driven E   Domestic   Industrial   Municipal   Rotary Mud   Dug   Irrigation   Test Well   Other E	Artesian pressure lbs. per square inch. Date
Rotary Mud   Dug   Irrigation   Test Well   Other 10	(12) WELL LOG: Diameter of well below casing 10"
(5) CASING INSTALLED: Steel & Plastic	Depth drilled 410 ft. Depth of completed well 410 ft.
(b) CASING INSTALLED: Steel 17 Plastic   Threaded   Welded 17	Formation: Describe color, texture, grain size and structure of materials; and show
05/8 Diam from+2 ft. to29 ft. Gauge250	thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level
	and indicate principal water-bearing strata.
LINER INSTALLED:	MATERIAL From To SWL
	Top Soil
(6) PERFORATIONS: Perforated? □ Yes ☑ No	Red Sandstone 25 60
Type of perforation used Size of perforations in. by in.	Grev Basalt 60 85
	Brown Sandstone & Gravel 85 125
ft. to	Tan Pumice & Gravel 125 185
perforations from	Grev Basalt - 185 195 "
perforations from	Tan Conglomerate 195 265
(7) SCREENS: Well screen installed?   Yes 17 No	Tan Sandstone 265 290
Manufacturer's Name	Black Sand 290 375
Type Model No.	Tan Sandstone & Sm. Gravel 375 410 360
Diam. Slot Size Set from ft. to ft.	
Diam. Slot Size Set from ft. to ft.	Brochien -
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	RECEIVED
Was a pump test made?	
gal/min. with ft. drawdown after hrs.	MAR 1 8 2009
#	
Air test gal/min, with drill stem at ft. hrs.	WATER RESOURCES DEPT -
Batler test 14 gal/min with 0 ft drawdown after 2 hrs.	SALEM, CREGON
American flow g.p.m.	
perature of water 52* Depth artesian flow encountered ft.	Work started 4-30 19 81 Completed 5-22 1981
(9) CONSTRUCTION: Special standards: Yes  No 52	Date well drilling machine moved off of well 5=22 1981
Well seal Material used Cement grout	
Well sealed from land surface to 26	Drilling Machine Operator's Certification:  This well was constructed under my direct supervision. Materials used
Diameter of well bore to bottom of seel16	and information reported above are true to my best knowledge and helief.
Diameter of well bore below seal10in.	[Signed] Date 5-22, 19.81
Number of sacks of cement used in well seel	Drilling Machine Operator's License No
How was coment grout placed? Pressure Grouted	Diffiling Machine Operator's License No
······································	.Water Well Contractor's Certification:
er er en mannen er en er	This well was drilled under my jurisdiction and this report is true to
Was pump installed? TiQ	the best of my knowledge and belief.
Was a drive shoe used? ☐ Yes ☑ No Plugs Size: location ft.	Name Orvail. Buckner. Wall. Drilling., Inc.
Did any strata contain unusable water?   Yes  No	Address 1996 N. E. Negus Way Redmond Ore 97756
Type of Water? depth of strate	[Bigned] wall Jug the
Method of sealing strate off	(Water Well Contractor)
Was well gravel packed?     Yes   No   Sine of gravel:	Contractor's License No
NOTIFICIDI TO WATER WEST L CONTINUACIONE	WATER RESOURCES DEPÄRTMENT, SP*12658-600
. A C C C C NOTICE TO WATER WELL CONTRACTOR	

### Attachment D

## Well Log for Proposed Additional Point of Appropriation

Permit Amendment for Avion Water Company Inc. Permit G-10019

RECEIVED

T 10828

MAR 1 8 2009

### STATE OF OREGON Water Supply Well Report

Instructions for completing this report are on the last page of this form.

(as required by ORS 537.765)

DESC 56939

**DESC** 

Received Date: 08-26-2005

Well ID Tag # L 77786

Start Card #

174979

(1) Owner Well Number:	(9) Location of Hole by legal des	cription
Name:	County: DESC Latitude: 44*13*28"	Longitude: 121°14'20"
AVION WATER CO. INC.	Township: 16.00 S Range: 12.00 E	
Street: 60813 PARRELL RD	Section: 36 NESW Lot:	Block:
City: BEND State:OR Zip Code: 97702	Tax Lot: 101 Subdivision:	
(2) Type of Work	Street Address of Well (or nearest address):	
X New After (Recondition) After (Repair)	5599 SW 58TH PLACE REDMOND	
Deepening Abandonment	MAP, with location identified, must be attached.	
(3) Drill Method	(10) Static Water Level	
X Rotary Air Rotary Mud Cable Auger	12 5	1 / 03 / 2005
Other:	Artesian Pressure: Date:	
(4) Proposed Use	(44) 14(-4 B	
	(11) Water Bearing Zones	
Domestic X Community Industrial Irrigation Injection	Depth at which water was first found: 410.00 ft.	
Livestock Thermal Other:	From To est Flow swl 410.00 520.00 300.00 400	
(5) Bore Hole Construction	410.00 020.00 000.00 400	
Special Standards: Depth of completed well: 590.00 ft.		
Explosives Used: Amount: Type:	(12) Well Log Ground Elevation:	3066 ft.
Hole Seal	Material	From To swi
Diameter From To Mtrl From To Sacks/lbs	SAND	0.00 4.00
14.00 0.00 59.00 CE 0.00 59.00 66	GRAVELS CONGLOMERATE	4.00 22.00
	BLACK SAND	22.00 49.00
10.00 59.00 560.00	BASALT	49.00 55.00
8.00 560.00 590.00	LAVA	55.00 85.00
How was seal placed? C Other:	CINDERS	<b>85.00 97.00</b>
Back fill placed from: Material:	CONGLOMERATE CLAY BROWN	97.00 180.00
Filter pack from: Size:	CONGLOMERATE GRAY	180.00 205.00
(6) Casing / Liner	BASALT LAVA LAYERS	205.00 235.00
Cand — Shoe Shoe	BASALT CLAY SEAMS	235.00 280.00
Liner Diameter From To Gauge Mtrl Weld Thrd at use		280.00 305.00
C 10.00 1.00 59.00 .250 8 X	SANDSTONE GRAY	305.00 370.00
L 8.00 -10.00 560.00 .188 S X	SAND BROWN CLAY LAYERS	370.00 450.00 400
	SAND BLACK	450.00 520.00 400
	SANDSTONE LOOSE SAND LAYERS	520.00 560.00
(7) Perforation / Screens	BASALT CLAY SEAMS	<b>56</b> 0.00 <b>59</b> 0.00 400
Perforations: Cang/	- DEAENE	·D
Mtrl From To Width Height #Slots Dia. t/pSize Lnr Method	RECEIVE	:ט
Screens:		
Mtrl From To S Size #Slots Dia. t/pSize Type Gauge	MAR 1 8 20	109
The state of the s	WATER RECOURSE	** DED**
(8) Well Tests (Minimum testing time is one hour)	WATER RESOURCE	
(8) Well Tests (Minimum testing time is one nour)	SALEM, OREG	
Type Yield Units Drawdown Stem at Duration		leted: 08 / 03 / 2006
P 20.00 G 183.00 1.00	(unbonded) Water Well Constructor Certification: I certify that the work I perform on the construction, alte	eretion or ehendonment
	of this well is in compliance with Oregon well construct	
	used and information reported above are true to the bed	<del>-</del>
Temperature of Water: 53 F	Signed by: THOMAS R PECK	WWC #:758
Was water analysis done? Depth of artesian flow:	(bonded) Water Well Constructor Certification: I accept responsibility for the construction, alteration, or	abandonment work
by whom?	performed on this well during the construction dates re	ported above. All work
Did any strata contain water unsuitable for use?Too Little Salty	performed during this time is in compliance with Orego standards. This report is true to the best of my knowled	dge and b <del>elie</del> f.
Muddy Odor Colored other: SAND	Signed by: JACK ABBAS	WWC#: 1720
Depth of strata: 560 Page	1 of 1 ABBAS WELL DRILLING CO	Phone: \$41-548-2787

### STATE OF OREGON Water Supply Well Report (se required by ORS 537.765)

DESC

57037

**DESC** 

Received Date: 10-10-2005

Well ID Tag # L 77786

Start Card # 177241

Instructions for completing this report are on the last page of this form.	
(1) Owner Well Number:	(9) Location of Hole by legal description
Name:	County: DESC Latitude: 44°13'28" Longitude: 121°14'20
AVION WATER CO. INC.	Township: 16.00 S Range: 12.00 E
Street: 60813 PARRELL RD City: BEND State: OR Zip Code: 97702	Section: 36 NESW Lot: Block:
(2) Type of Work	Tax Lot: 101 Subdivision:
New Alter (Recondition) Alter (Repair)	Street Address of Weil (or nearest address):
X Deepening Abandonment	5599 SW 58TH PLACE REDMOND
	MAP, with location identified, must be attached.
(3) Drill Method  X Rotary Air Rotary Mud Cable Auger Other:	(10) Static Water Level   Feet below land surface: 400.0   Date: 10 / 03 / 2006   Artesian Pressure:   Date:
(4) Proposed Use	(11) Water Bearing Zones
Domestic X Community Industrial Irrigation Injection	Depth at which water was first found: 640.00 ft.
Livestock Thermal Other:	From To est Flow swi
	640.00 690.00 300.00 400
(5) Bore Hole Construction	
Special Standards: Depth of completed well: 690.00 ft.	(12) Well Log Ground Elevation: 3066 ft.
Explosives Used: Amount: Type:  Hole Seal	Material From To swi
	BEGINNING SWL 0.00 0.00 40
Diameter   From   To   Mtrl   From   To   Sacks/lbs   8,00   590.00   690.00	ORIGINAL LOG DESC56939 0.00 0.00
6.00 050.00 050.00	BASALT CLAY SEAMS 590.00 640.00
	CONGLOMERATE BASALT LAYERS 640.00 690.00 40
(6) Casing / Liner Cang/ Cang/ Liner Diameter From To Gauge Mtrl Weld Thrd at use	
(7) Perforation / Screens	RECEIVED
Perforations: Csng/ —	MAR 1 8 2009
Mtrl From To Width Height #Siots Dia. t/pSize Lnr Method	-
Screens:	WATER RESOURCES DEPT
Mtri From To S Size #Siots Dia. t/pSize Type Gauge	SALEM, OREGON
(R) Woll Tosts (Minimum testing time is one hour)	-
of treat rests	Date Started: 10 / 03 / 2005 Date Completed: 10 / 03 / 2005
Type Yield Units Drawdown Stem at Duration  A 300.00 G 690.00 2.00	(unbonded) Water Well Constructor Certification:
P 200.00 G 10.00 4.00	I certify that the work I perform on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to the best knowledge and belief.
Temperaturs of Water: 53 F	Signed by: THOMAS R PECK WWC #:768
Was water analysis done? Depth of artesian flow:	(bonded) Water Well Constructor Certification:
by whom?	I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work
Did any strata contain water unsuitable for use? Too Little Salty	performed during this time is in compliance with Oregon well construction
Muddy Odor Colored other:	standards. This report is true to the best of my knowledge and belief.  Signed by: JACK ABBAS
Depth of strata:	ABBAS WELL DRILLING CO Phone: 541-548-27