## RECEIVED

JAN 1 2 2012 WATER RESOURCES DEPT SALEM, OREGON

Well Logs

NOTICE TO WATER WELL CONTR. The original and first to y TER WELL REPORT of this report are to filed with the STATE OF OREGON State Well No. STATE ENGINEER, SALEM, OREGO ENGINEER, SALEM, OREGON 97810

Within 30 days from SEPACE ENGINEER not write above this line State Permit No. of well completion SALEM. OREGON (11) LOCATION OF WELL: (1) OWNER: County Des 5 Driller's well number OF REDMOND ORG NE 14 NW 14 Section T. REDMOND BRE Bearing and distance from section or subdivision corner (2) TYPE OF WORK (check): New Well 💢 Deepening [ Reconditioning [ Abandon [7] If abandonment, describe material and procedure in Item 12. (3) TYPE OF WELL: (4) PROPOSED USE (check): (12) WELL LOG: Diameter of well below casing Rotary Driven 🗆 Domestic 🗌 Industrial 📋 Municipal 💥 300 m Cable Jetted [ Depth drilled ft. Depth of completed well Dug Bored | Irrigation | Test Well | Other Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, CASING INSTALLED: Threaded 🗆 Welded 🙀 with at least one entry for each change of formation. Report each change 600, Diam from C st to 39 st. Gage 250 in position of Static Water Level as drilling proceeds. Note drilling rates. Diam. from . n to 100 n Gage 240 MATERIAL ".Diam. from .... はしつひじつ OVEIL ビメレハ PERFORATIONS: Perforated? Yes | No. 20 CON6ype of perforator used BETONY ٠ 20 3**.**2 Size of perforations in. by 60 200 3200 perforations from 1750 BROKEN 56 .... perforations from ... BACK perforations from .... CONB perforations from HARD RED LAND 108 HAMI DOUG LANA SOCT BROWN LAVA 05 (7) SCREENS Well screen installed? 🗌 Yes 📜 No LONE 129 SOFT GIVEN WHATER RESOURCES DEP WHATER RESOURCES DEP DIAME ALEM ORDER GO .... Model No. CREVIS Set from .... ..... ft. to 140 CANEING BOYLDER CONG. Set from ..... 150 SAND STUNE (8) WATER LEVEL: Completed well. WATER BEARING ft, below land surface Date ic level 210 HAND DLUE DAVALT 98 sian pressure lbs. per square inch Date 120 235 /?ED CINDENS Drawdown is amount water level is lowered below static level (9) WELL TESTS: Was a pump test made? Yes | No If yes, by whom? (ED-BAKE!) Work started 4 - // 1969 Completed 2 -500 gal./min. with 10 ft. drawdown after 5 hrs. Date well drilling machine moved off of well 1965 300 I*400* Drilling Machine Operator's Certification: This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief. gal./min. with Bailer test ft. drawdown after hrs. g.p.m. Date Artesian flow [Signed] The (Drilling of nan Date 82/ - 1969 Temperature of water 5 4 Was a chemical analysis made? FYes | No (10) CONSTRUCTION: Drilling Machine Operator's License No. 320 Well seal-Material used 54 Water Well Contractor's Certification: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Diameter of well bore to bottom of seal Were any loose strata cemented off? 
Yes You Depth (Person, firm or corporation) (Type or print) Was a drive shoe used? [] Yes No Did any strata contain unusable water? Yes No depth of strata Type of water? Method of sealing strata off Was well gravel packed? Yes □ No Size of gravel: Contractor's License No. 44 Date 5-1 Gravel placed from ... 3.00 (USE ADDITIONAL SHEETS IF NECESSARY)

well #1

NOTICE TO WATER WELL CONTRACTOR. The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97316 within 30 days from the dan of well completion,

STATE OF OREGONE B 1 8 1975

(Please type or print)

State Well No.	155	13E-	-160	<u>:</u> b
----------------	-----	------	------	------------

(Do not write above that line) ENGINEER

State Well No.	155	13E -	-16cb

State Permit No.

	SALEM, OREGON
(1) OWNER:	(10) LOCATION OF WELL:
Name City of Redmond	County Deschutes Driller's well number
Address Redmond Oregon	NW % SW % Section 16 T.15 S R. 13 East W.M
	Bearing and distance from section or subdivision corner
2) TYPE OF WORK (check):	1 ( 1 ( 1 ( 1 ( 1 ( 1 ( 1 ( 1 ( 1 ( 1 (
Yew Well ♣ Deepening ☐ Reconditioning ☐ Abandon ☐	The second secon
f abandonment, describe material and procedure in Item 12.	CITY THE PROPERTY OF THE PROPE
	(11) WATER LEVEL: Completed well.
	Depth at which water was first found 278 f
otary Driven Domestic Industrial Municipal	Static level 265 ft. below land surface. Date 2-11-75
Bored □ Irrigation □ Test Well □ Other □	Artesian pressure Ibs. per square inch. Date
CASING INSTALLED: Threaded  Welded	(12) WELL LOG: Diameter of well below casing 15 bot
16" Diam. from # 2 ft. to280 ft. Gage250	Depth drilled 1,52 ft. Depth of completed well 1,52 f
14	Formation: Describe color, texture, grain size and structure of materials
Diam. fromft. toft, Gage	and show thickness and nature of each stratum and aquifer penetrated with at least one entry for each change of formation. Report each change is position of Static Water Level and indicate principal water-bearing strate
Type of perforator used Factory slot	MATERIAL From To SWL
ize of perforations 6 in his 7/0 in	
lize of perforations 6 in. by 1/8 in.  2.000 perforations from 255 ft. to 423 ft.	Top Soil 0 4
	Mild Brown Lava 1 15 85 15 85
perforations fromft. toft.	Brown Conglomorate
perforations fromft. toft.	
(7) SCREENS: Well screen installed?   Yes I No	
Manufacturer's Name	Loose Black Cinders 157 164 Hard Black Lava 164 205
TypeModel No.	Red Cinders 205 225
Diam. Slot size Set from ft. to ft.	Black Sand 225 236
Diam. Slot size Set from ft. to ft.	Brown Sandstone 236 278
	Water bearing Brown Sandstone 278 400 265
(8) WELL TESTS: Drawdown is amount water level is lowered below static level H. & H. Was a pump test made? E Yes No II yes, by whom? Drilling,	Howd Char atons
Was a pump test made? To Yes DNo If yes, by whom? Drilling,	Tan " with some sand gravel 127 133
d: 117), gal./min. with 35 ft. drawdown after 29 hrs.	Hard Clay stone 433 449
" "	Black Basalt 1149 152
H. H	. (1) Min (1) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2
And the second s	the state of the s
Bailer test gal./min. with ft. drawdown after hrs.	
tesian flow g.p.m.	
perature of water 52 Depth artesian flow encounteredft.	Work started 2-15 19 7) Completed 2-1) 19 7
(9) CONSTRUCTION:	Date well drilling machine moved off of well 2-11 1975
Well seal-Material used Portland Coment	Drilling Machine Operator's Certification:
well separation land surface to 280 20 101 201 ft.	This well was constructed under my direct supervision Materials used and information reported above are true to me best knowledge and belief.
Diameter of well bore below seal	[Signed] Date 2-11, 19.7
Number of sacks of dentonite used in well seal	Drilling Machine Operator's License No558
Number of sacks of pentonite used in well seal sacks	Water Well Contractor's Certification:
Proportion of bentonite Number 100 gallons or water	This well was drilled under my jurisdiction and this report i true to the best of my knowledge and belief.
Was a drive shoe used? ☐ Yes No Plugs Size: location ft.	Name H. & H. DRILLING, INC.
Did any strata contain unusable water?  Yes No	(Person, firm or corporation) (Type or print)
Type of water? notable depth of strata	AddressP.O. Box 51 Redmond, Oregon 97756
Method of sealing strata off	[Glomad] From till 610
Was well gravel packed? ☐ Yes [XNo Size of gravel:	[Signed] (Water Well Contractor)

#### STATE OF OREGON WATER WELL REPORT

RECEIVED JUL 1 2 1985

Pg. 1 of 3

(as required by ORS 537.765)

WATER RESOURCES DEP

(for official use only)

(1) OWNER:	(10) LOCATION OF WELL by leg	tal descriptions
Oite of Dadward		- 20
77.71	1 5c	12 🗁
Address City Hall City Redmond State Oreg.	Township 135 , Range	(Range is East or West) WML
97756	Tax Lot Lot Block Subdivision _	
(2) TYPE OF WORK (check):	MAILING ADDRESS OF WELL (or nearest address).	ınknown
New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐		
If abandonment, describe material and procedure in Item 12.		<del></del>
(3) TYPE OF WELL: (4) PROPOSED USE (check):	(11) WATER LEVEL of COMPLE	TED WELL:
Rotary Air Driven Domestic Industrial Municipal	Depth at which water was first found 362	ft.
Rotary Mud Dug I Irrigation Withdrawal Reinjection I	Static level 362 ft. belo	w land surface. Date 5-24-85
Other:	Artesian pressure lbs. p	er square inch. Date
Cable X Bored   Piezometric   Grounding   Test	(12) WELL LOG: Diameter of well bel	Oth cosing
(5) CASING INSTALLED: Steel Plastic		of completed well 765 ft.
10 13 Threaded Welded W	Formation: Describe color, texture, grain size and structu	re of materials; and show thickness
10. Diam from T3 ft. to 7102 ft. Gauge	and nature of each stratum and aquifer penetrated, with a formation. Report each change in position of Static W	
Diam. from	water-bearing strata.	acer never and mulcass principal
LINER INSTALLED: Steel M Plastic Threaded  Welded	MATERIAL	From To SWL
Threaded Welded 12. Diam. from 707 to to 765 to Gauge 250	Top Soil. Sandy	6 2
	Broken Lava Conglomerate	2 8
(6) PERFORATIONS: Perforated?   Yes No	Lava Conglomerate	8 27
Size of perforations in. by in.	Broken Lava, Cindery	27 30
ft. to ft.	Red-Black Lava, Soild	30 55
perforations from	Pumice Conglomerate	55 60
perforations from ft. to ft.	White Pumice	60 92
(7) SCREENS: Well screen installed?   Yes □ No	Cindery Black Rock	92 97
Tohnson	Red-Black Cindery Rock	97 105
P.S. (see pg. 3 for full screen info)	Cinders & Clinkers	105 113
Diam. 18 Slot Size . 050 Set from 533.5 ft. to 553.5 ft.	Red Cinders	113 122
Diam. 18 Slot Size .050 Set from 533.5 ft. to 553.5 ft. Diam. 12 Slot Size .050 Set from 735 ft. to 755 ft.	Cinders& Lava Rock	122 126
Drawdown is amount water level is lowered	Black Basalt	126 137
and the state of t	Red- Black Basalt. Broken	137 143
Was a pump test made? Yes No If yes, by whom? Buckner Pump	Hard. Black Basalt	143 247
d: 1300 gal./min. with 40 ft. drawdown after 72 hrs.	Red Cinders, Soft	247 251
The second secon	Black Basalt	251 254
Air test gal/min. with drill stem at ft. hrs.	Red Cinders	254 345
Bailer test gal./min, with ft. drawdown after hrs.	Brown Sandstone, Mild	345 365
Artesian flow g.p.m.  Depth artesian flow encountered	Brown Sandstone, Coarser	365 374
perature of water Depth artesian flow encountered	Date work started 11-27-84 /comple	374 385 etcd 5-25-85
(9) CONSTRUCTION: Special standards: Yes \( \text{No.} \) No.		5-25 <sub>19</sub> 85
Well seal—Material used Portland Cement	The state of the s	
Well sealed from land surface to	(unbonded) Water Well Constructor Certifi This well was constructed under my direct su	
Diameter of well bore to bottom of sealin	information reported above are true to my best k	
Diameter of well bore below seal24 in.		
Amount of sealing materialsacks 🚨 pounds 🗆	[Signed]	Date 6-6 , 19 85
How was cement grout placed?Pumped	(bonded) Water Well Constructor Certificat	ion:
		MWEST
W. and Jan. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19	(Sumber) (Sumber) (Sumbehalf of Buckner Pump Service	urety Company Nama)
Was pump installed?Ω. Type		Water Well Constructor)
Was a drive ahoe used?	This well was drilled under my jurisdiction	and this report is true to the
Type of Water? depth of strata	best of my knowledge and helief:	man report in man to mic
Method of sealing strata off	(Signed) Kobert Buck	er.
Was well gravel packed?	(Water Well Constru	ector)
Gravel placed from 520 ft. to 765 ft.	(Dated)June_6, 1985	CENED
gravel from NOTICE TO WATER WELL CONSTRUCTOR	WATER RESOURCES DEPARTMENT,	SP*46866-690
50° to 520° The original and first copy of this report are to be filed with the	WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion.	AN 1 2 2012

#### STATE OF OREGON

## RECEIVED

WATER WELL REPORT (as required by ORS 537.765)

JUL 12 1985 PLEASE TYPE of PRINT IN INK

Pg. 2	of 3/55/13E-220K
	1

WATER RESOURCES DEPT	(for official use only)
(1) OWNER: SALEM, OREGON	(10) LOCATION OF WELL by legal description:
Name City of Redmond	County Deschutes SE 1/4 NW 1/4 of Section 20 of
Address City Hall	Township 15S , Range 13E , WM. (Range is East or West)
City Redmond StateOreg. 97756	Tex Lot Lot Block Subdivision
(2) TYPE OF WORK (check):	MAILING ADDRESS OF WELL (or nearest address) unknown
New Well    Deepening □ Reconditioning □ Abandon □	
If abandonment, describe material and procedure in Item 12.	
(3) TYPE OF WELL: (4) PROPOSED USE (check):	(11) WATER LEVEL of COMPLETED WELL:
Rotary Air Driven Domestic Todustrial Municipal	Depth at which water was first found 362 ft.
Thermal:	Static level 362 ft. below land surface. Date 5-24-85
Rotary Mud Dug Irrigation Withdrawal Reinjection Other:	Artesian pressure lbs. per square inch. Date
Cable Bored Piezometric Grounding Test	
(5) CASING INSTALLED: Steel H Plastic	(12) WELL LOG: Diameter of well below casing
Threaded Welded 🔀	Formation: Describe color, texture, grain size and structure of materials; and show thickness
18. Diam. from+3 ft. to-7181 ft. Gauge375	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
Diam. from	water-bearing strata.
LINER INSTALLED: Steel E Plastic D Welded	MATERIAL From To SWL
1.2.* Diam. from7.0.7.1 ft. to7.65 ft. Gauge	Dk. Brwn. Sandstone & Blk. Sand 385 396
	Dk.Brwn.Sandstone-blk.Sand
(6) PERFORATIONS: Perforated?   Yes   No	
Size of perforations in. by in.	Brwn. Sandstone-finer Sand 450 455
perforations from ft. to ft.	some clay bonding
perforations fromfi_ toft.	Dk. Brown Sandstone, some mult- 455 528
	colored pea gravels, possible
(7) SCREENS: Well screen installed? Yes I No.  Johnson	water-465-485' Grev-Brwn, Tufted Ash Layer 528 540
P.S. (see ng. 3 for full gorgen info)	Grey-Brwn. Tufted Ash Layer 528 540
Diam. 18 Slot Size	Sandstone Conglomerate, Slow
Diam. 12 Slot Size . 5. Set from . 735 A. to . 755 A.	Drilling Gravels-Dk. Brwn 540 565
Decordance is account mater level is becaused	Med. Brwn. Sandstone 565 590
(8) WELL TESTS:  Drawdown is amount water level is lowered below static level	Fine graned w/some clay bondg
Was a pump test made? 🛮 Yes 🗆 No If yes, by whom? Buckner Pump	Dk. Brwn. Sandstone, Coarser
d: 1300 gal./min. with 40 ft. drawdown after 72 hrs.	Sands 590 620
	Coarse, DK. Brwn. Sandstone 620 645
Air test gal./min. with drill stem at ft. hrs.	w/½" minus pea gravels
Bailer test gal./min. with ft. drawdown after hra.	Coarse DK. Brwn. Sandstone W/ more gravel-harder 645 650
Artesian flow g.p.m.  Denth ertesian flow encountered ft	more gravel-harder 645 650 Finer Grained Sandstone 650 697
perature of water 54* Depth artesian flow encountered	Date work started 11-27-84 /completed 5-25-85
(9) CONSTRUCTION: Special standards: Yes \( \sigma \) No \( \bar{\mathbb{X}} \)	Date well drilling machine moved off of well 5-25 19 85
Well seal—Material used Portland Cement	(unbonded) Water Well Constructor Certification (if applicable):
Well sealed from land surface to	This well was constructed under my direct supervision, Materials used and
Diameter of well bore to bottom of seal	information reported above are true to my best knowledge and belief.
Amount of sealing material	[Signed] Date 6-6 ,19 85
How was cement grout placed? Pumped	
8-04 Page 1	(bonded) Water Well Constructor Certification:
	(number) (Surety Company Name)
Was pump installed?TO Type HP Depth ft.	On behalf of Buckner Pump Service (type or print name of Water Well Constructor)
Was a drive shoe used? Yes No Plugs Size: location ft.	
Did any strata contain unusable water?	This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief:
Type of Water? depth of strata	
Method of sealing strata off  Was well gravel packed?    Yes □ No Size of gravel: Monteray	(Signed)(Water Well Constructor)
Was well gravel packed? X Yes No Size of gravel: Monteray	(Dated)June 6. 1985
2 gravel from NOTICE TO WATER WELL CONSTRUCTOR	WATER RESOURCES DEPARTMENT, SP*46866-690

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STATE OF OREGON

WATER WELL REPORT	JUL 1 2 1985
(as required by ORS 537.765) WATEI	RESOURCES DEPT OF PRINT IN INK

Pg.	of 3 155/13E-225d
	123/120-20/

TOTAL DEPT	QI I I I I I I I I I I I I I I I I I I	(for official use of	nly)
(1) OWNER: SALEM, OREGON	(10) LOCATION OF WELL by lega	l description	
Name City of Redmond	Donobustas	- 20	•
Address City Hall	Township 15S	13E	01
City Redmond State Oreg. 9775	(Township is North or South)	(Range is East or West)	, WM
(2) TYPE OF WORK (check):	Hax Lot Lot Block Subdivision	mknorm	
	MAILING ADDRESS OF WELL (or nearest address)	inknown	
New Well			
If abandonment, describe material and procedure in Item 12,			
(3) TYPE OF WELL: (4) PROPOSED USE (check):	(11) WATER LEVEL of COMPLET	'ED WELL:	
Rotary Air Driven Domestic Industrial Municipal	Depth at which water was first found 362		ft.
Rotary Mud Dug Irrigation Withdrawal Reinjection		land surface. Date 5	-24-85
Other: Piezometric Grounding Test	Artesian pressure lbs. per	square inch. Date	
CACING INCREASE BY	(12) WELL LOG: Diameter of well below		
(5) CASING INSTALLED: Steel Plastic Threaded Welded	Depth drilled 765 ft. Depth of	f completed well	765 ft.
18 Diam from +3 ft to -7183 ft. Gauge .375	Formation: Describe color, texture, grain size and structure and nature of each stratum and aquifer penetrated, with at l	of materials; and show east one entry for each	v thickness h change of
Diam. from	formation. Report each change in position of Static Wat water-bearing strata.	er Level and indicate	e principal
	water-bearing strata.		
LINER INSTALLED: Steel Threaded Welded T	MATERIAL	From To	SWL
1.2 Diam. from .707.4 ft. to .765 ft. Gauge 250	Sand & Some Gravels-unstable	697 710	362
(6) PERFORATIONS: Perforated?   Yes  No	(water between 695-715)	710 728	362
Size of perforations in. by in.	Sandstone-Brwn W/some tuff ash and whites	710 729	302
perforations from	Brown Sandstone W/ more	728 754	362
perforations from	Cinders, Sands and Gravels	720 734	
perforations from	Dk. Grey Basalt	754 765	362
(7) SCREENS: Well screen installed? It Yes we No			
Manufacturer's Name Johnston  Type P.S. Model No			
Diam. 18 Slot Size, 050. Set from 533.5 ft. to553.5 - ft-	and 593.5' to 633.5' and 688.	5 to 709 5	
Diam12	and obst	10 10013	
December is account water level in larger			
(8) WELL TESTS:  Drawdown is amount water level is lowered below static level	SCAPHIED		
Was a pump test made? 😾 Yes 🔲 No If yes, by whom?	MECEIVED		
d: 1300 gal./min. with 40 ft. drawdown after 72 hrs.	(4) 1 0 0010		
	JAN_1_2_2012		
Air test gal./min, with drill atem at ft. hrs.	WATER RESOURCES DEPT		
Bailer test gal./min. with ft. drawdown after hra.			
Artesian flow g.p.m.  perature of water 54* Depth artesian flow encountered	SALEM, OREGON		
	Date work started 11-27-84 /complete	d 5-25-85	
(9) CONSTRUCTION: Special standards: Yes □ No 🔽		25-85	19
Well seal—Material usedPortland_cement50	(unbonded) Water Well Constructor Certifica	tion (if applicab	le):
Well sealed from land surface to	This well was constructed under my direct supe		•
24	information reported above are true of my best kno		
Diameter of well bore below seal	[Signed]	Date6-6	10 85
Pumped sealing material pounds L	[Olification of the control of the c	Date	10
How was cement grout placed?	(bonded) Water Well Constructor Certification	n:	
	Bond 10596951 Issued by: AMWEST (Sure	ety Company Name)	
Was pump Installed? Type HP Depth ft.	On behalf of Buckner Pump Service		
Was a drive aboe used?    Yes    No Plugs Size: location ft.	(type or print name of Wai	ter Wall Constructor)	
Did any strata contain unusable water?   Yes  No	This well was drilled under my jurisdiction ar	nd this report is tr	ue to the
Type of Water? depth of strata	best of my knowledge and belief:		
Method of sealing strata off	(Signed)	• <del></del>	
Was well gravel packed? Yes No Size of gravel: Monterey 1	(Water Well Constructor June 6, 1985	)T)	
Gravel placed from	(Dated)		
A" gravel from NOTICE TO WATER WELL CONSTRUCTOR	WATED DESCRIBERS DEDARTMENT	ara esta	•4aaca aaa

STATE OF OREGON MAY 5 1938	desc well id#	L23805	ien p
VATER SUPPLY WELL REPORT s required by ORS 537.765) VATER state page of this form structions for completing this report are on the last page of this form	ENLLY Pale START CA	ARD) # 10198	9
OWNER: Well Number: #5	(9) LOCATION OF WELL by legal descrip	 otion:	
ne City of Redmond	County Descriutes Latitude	Longitus	ie
ress P.O. Box 726 Redmond State OR Zin 97756	Township 15S Nor S. Range 13E Section 20AA NE % NE	E or W. o	f WM.
	Tax Lot 2900 Lot Block	Subdivision 5 4 1	
TYPE OF WORK:  New Well Deepening Alteration (repair/recondition) Abandonment	Street Address of Well (or nearest address) 19th & Quartz Ave.		·····
DRILL METHOD:	(10) STATIC WATER LEVEL:		
Rotary Air Rotary Mud X Cable Auger	259 ft. below land surface.  Artesian pressure lb. per square	Date 3/ inch. Date	
Other	(11) WATER BEARING ZONES:		
PROPOSED USE:	Depth at which water was first found 208		
Domestic X Community Industrial Infrigation			
Thermal Injection Livestock Other	From To Es 208 209 30+	timated Flow Rate	208
BORE HOLE CONSTRUCTION:	275 405 1000		208
ecial Construction approval Yes X No Depth of Completed Well 802 ft.	536 802 9000	0	259
No Type Amount HOLE SEAL Amount			
meter   From   To   Material   From   To   sacks or pounds   Section   To   Secks or pounds   To   Secks   To   Secks	(12) WELL LOG: Ground elevation		
6" 0 802 Cement 370 400 66 sacks	Material Control Property	From To	SWL
	Gray Basalt Red & Black Cinders	0 39 39 40	
	Brown Ash & Cinders	40 45	
wwas seal placed: Method [ ]A [  B  X]C [ ]D [ ]E	Brown Basalt	45 48	
Other	Gray Basait Brown Ash	48 54 54 55	
ckfill placed from 100 ft. to 375 ft. Material Bentonite	Gray Basalt	55 81.5	
evel placed from 400 ft. to 802 ft. Size of gravel #6 SilicaRes	Gray Tuff	81.5 86	
CASING/LINER:	Hard Gray Basalt Gray Volcanic Conglomerate	86 101.5 101.5 124	P
Diameter From To Gauge Steel Plastic Welded Threaded	Brown Ash Conglomerate	124 125	
16" +2 507 375 X	Fracture Lost Cuttings (Grouted)	125 131	
16" 797 802 375	Brown Conglomerate Brown & Gray Lava with Ash	131 136 136 157	
	Gray Basalt & Ash	157 159	1
	Red Ash (Soft)	159 161	
al location of shoe(s)	Brown & Gray Basalt & Ash Hard Gray & Brown Basalt	161 167 167 172	
	Soft Brown Ash	172 174	
PERFORATIONS/SCREENS:	Gray Basalt Medium Hard	174 177	
Perforations Method	Brown & Gray Basalt with Brown Ash Brown & Gray Basalt with Gray Ash	177 184 184 190	
Slot Tele/pipe	Redish Brown Ash with Broken Basalt	190 204	
om To size Number Diameter size Casing Liner 07   547   .080     16"     Pipe   {\$\tilde{x}\$}	Brown Lava with Ash	204 208	
77 797 .080 16" Pipe	Continued on next page  Date started 8/29/97 Completed	3/23/95	
	Date started GIZBIBI Completed	3123183	
	(unbonded) Water Well Constructor Certification is certify that the water grant of this well is in campillance with Grant water water to be considered to the campillance with Grant water water to be considered to the campillance with Grant water to be campillance with Grant water to be campillance with Grant water to be considered to the campillance with Grant water to be campillance with Grant water t	on: alteration, or aband	donment
WELL TESTS: Minimum testing time is 1 hour	of this well is in campliance with cregor water outply w Materials used and information reported above are true		
Sump Spiler Air	belief. JUL 1998	, Jose Monio	.go and
Artesian	<u> </u>	WWC Number	
eld gal/min Drawdown Drill stem at Time	WASER HEOGODOEO DEL I	Date	
300 2.5' 360 24 hr.	SALEM, OREGON		
	(bonded) Water Well Constructor Certification:  I accept responsibility for the construction, alteration,		vork
	performed on this well during the construction dates rep		
mperature of Water 57 Depth Artesian Flow found	performed during this time is in compliance with Oregon		d bali-d
			a Delief
as a water analysis done? X Yes By whom Coffee Labs	construction standards. This report is true to the best of		
	Kla AK. b	r my knowledge an WWC Number 1 Date 4-27	

GINAL & FIRST COPY - WATER RESOURCES DEPARTMENT RECEIVED

I certify that the work I performed on the construction, alteration, or abandonment of this well is the profit of the profit was supply well construction standards.

Materials used a construction standards and the construction standards. belief.

WWC Number JUL - 1 1998 Signed

VATER RESOURCES DEP

(bonded) Water Well Constructor Certification:
Laccept responsibility for the construction, alteration, or abandonment 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.

Western Water Development Corporation

WWC Number 1385

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT

(8) WELL TESTS: Minimum testing time is 1 hour

Bailer

Drawdown

Did any strata contain water not suitable for intended use?

Salty Muddy Odor Colored Other

Air

By whom

Drill stem at

Depth Artesian Flow found

Pump

Yield gal/min

Temperature of Water

Depth of strata:

Was a water analysis done? Yes

SECOND COPY - CONSTRUCTOR

THIRD COPY - CUSTOMER

Flowing

Artesian

Time

STATE OF OWNER SUPPLY		PORT	A 1003	CLEX WE	LL ID#		
(as required by ORS		See March		GILOU (ST.	ART CARD) #	10198	9
instructions for com	pieting this rep	ort are on the last pag	e of this form	<u> </u>		Page :	7 €ن 3
(1) OWNER:		Well Numbe	r:	(9) LOCATION OF WELL by legal d	escription:		
Name City of R	edmond			County	Latitude	Longitud	ie et
Address				Township 15S N or S. Range 13		E or W. of	
City		State	Zìp	Tax Lot Block	%Su	% Ibdivision	
(2) TYPE OF WO	RK:			Street Address of Well (or nearest address)			
New Well De	epening 🔲 A	Iteration (repair/recondi	tion) Abandonment				
(3) DRILL METHO	OD:			(10) STATIC WATER LEVEL:			
	Rotary Mud	Cable	[]] Auger	ft. below land surface. Artesian pressure ib. ne		Date	
Other			L.J. a.go.		r square inch.	Date	
(4) PROPOSED U	JSE:			(11) WATER BEARING ZONES:			
	Community	Industrial	[7]	Depth at which water was first found			
Thermal	Injection	Livestock	Irrigation Other	From To	Estimated	Fla Bak	0.40
(5) BORE HOLE	CONSTRUC	TION	C.) - and -		Caurialed	FIOW Rate	SWL
• •							
Special Construction a Explosives used [ ] Ye			npleted Well ft. Amount				
HOLE		SEAL	Amount				
Diameter From To	Materi		o sacks or pounds	(12) WELL LOG:	.l		
				Ground e	HEVATION		
ļ···				Material	Fro		SWL
				Gray Broken Lava Hard WB	714		259
				Brown Vesicular Lava Pinholes WE		or annual to the same of the	259
				Brown & Gray Lava WB Soft Brown Conglomerate WB	765 783		259 259
How was seal placed:	Method A	B C D	[] E	COR DIGWII CONGIOMETALE VID	763	002	239
Other							
Backfill placed from Gravel placed from	ft. to	ft. Material ft. Size of grave		-AFILIED			1
		OZO OI GIAVO		RECEIVED			
(6) CASING/LINE	R:			2017			
	From To G	Gauge Steel Plasti		JAN 1 8 2017			
Casing:				ER RESOURCES DEPT			· ·
			HANAT	ER RESOURCES DE . IN B LENG BONN	F W Giner Carl		
				SALEM OREGON JUL 1	1000		
Liner:			ii ii	30L = 1	1998		
		[] []		WATER RESOUR	me nem		
Final location of shoe(s	3)			SALEM OR	EGON		
(7) PERFORATIO	NS/SCREEN	IS:		5/1 £77, 5/1			
Perforations	Method						1
Screens	Туре	Materia	al				
	lot	Tele/pipe					
From To si	ize Number	Diameter size	Casing Liner				
			ii ii l	D- VI +17		<del></del>	CiCA
				Date started Con	ipleted 🔵	<u>20</u>	10
				(unbonded) Water Well Constructor Cert			
<u> </u>				I certify that the work I performed on the constr of this well is in compliance with Oregon water s			
(8) WELL TESTS:	: Minimum te	esting time is 1 ho		Materials used and information reported above a			
Pump [	Bailer	Air	Flowing Artesian	belief.	,	•	,
					WWC Nu	mber	
Yield gal/min	Drawdown	Drill stem at	Time	Signed	Date		
				<del>-</del>			
				(bonded) Water Well Constructor Certific			
				I accept responsibility for the construction, after performed on this well during the construction da			
Temperature of Water	L	epth Artesian Flow four	nd	performed during this time is in compliance with	•		DIR.
Was a water analysis d		By whom		construction standards. This report is true to the	-		belief.
Did any strata contain v		for intended use?	Too little		-	mber 13	
Salty Muddy	Odor C	colored Other		Signed Mater Develop	Date		
Depth of strata:				Western Water Develop	ment Corpo	ration	

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT

SECOND COPY - CONSTRUCTOR

THIRD COPY - CUSTOMER

well	#6
VELL ID # 64895	

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

SS853

(START CARD) # 150744

(1) OWNER:		Well Num	ber: #6	(9) LOCATION OF WI			40
Name City o	f Redmond			County <u>Deschu</u> Township 15S N	or S. Range 1	atitudeLongitud 3E E or W. of \	
Address 875 S City Redm	E. Sisters, Ave	State C	R Zip 97756	Section 21(D)	NW		1/4
		State (	HK 510 3 (130	Tax lot 400 Lot	Block	Subdivision	
(2) TYPE OF	WORK:				r nearest address)	2551 S.W. 6th St.,	
X New Well	Deepening A	teration (repair/recor	ndition) Abandonment	Redmond, OR			
(3) DRILL ME	THOD:			(10) STATIC WATER	LEVEL: land surface.	Data 404	00/00
Rotary Air	Rotary Mud	X Cable	Auger	Artesian pressure	lb. per sq	Date 12/ juare inch. Date	22/03
(4) PROPOSI	ED USE:			(11) WATER BEARIN			
Domestic	X Community	Industrial	☐ Irrigation	Depth at which water was	nrst round		
Thermal		Livestock	Other	From	То	Estimated Flow Rate	SWL
(5) BORE HO	LE CONSTRUC	TION:		342	697	1500	336
	ion approval Yes		Completed Weil 855 ft	697	811 867	1000 4000+	336 336
Explosives used			Amount			4000	300
HOLE	_ 1	SEAL	Amount	(12) WELL LOG:			
Diameter From 26in 0		terial From Grout 374	To sacks or pounds 399 88 sacks	(12) WELL LOG.	Ground ek	evation	
2011	Cement		98 12 Cu. Yds.	No.	terial	From To	SWL
				See attached litholog			SAAF
				Bugenig. Hole sloug	hed back prior		
	-		,	installation in botton	n. 857-867.		
How was seal place	ced: Method A	B XC	D 🗀 E				-
Other							
Backfill placed fro Gravel placed fro	m <b>99</b> ft. to <b>39</b> m <b>399</b> ft. to <b>85</b>	9_ π. material 5. ft. Size of gi	Bentonite 31cyd avel 6x12 RMC			RECEIVED	<del>-</del>
		<u> </u>	OXIZ KHIC	RECEIV	En		+
(6) CASING/L						JAN 1 2 2012	
Diamete Casing: 16ir		Gauge Steel Pl .375 X	astic Welded Threaded		01=	D DECOLIDATE DE	
16ir		.375		JAN 28 20		R RESOURCES DE	<b>41</b>
				NATES OF SAME		BALEM OREGON	
Liner:				24.			-
	-			Western W	TER DEVELOR	MENT	-
Final location of si	noe(s)				Box 1670	MENI	
(7) PERFORA	TIONS/SCREE			11			
Perforation				REGMON	<u>d, OR 9775</u>		+
X Screens	Type Sic	tted Mai	erial SS316L				-
<b></b>	Slot	Tele/pi	ре				
From To <b>550</b> 850	size Number	Diameter size					
333		join pi					
				Date started 4/2/03	Com	pleted 12/31/03	
				(unbonded) Water Well (			nmont
				I certify that the work I perform of this well is in compliance w			
	STS: Minimum 1	testing time is	hour	Materials used and information			
X Pump	Bailer	Air	Flowing Artesian	belief.		1454/O November	
Yield gal/min	Drawdown	Drill stem at	Time	Signed		WWC Number Date	
2700	6	400	24 hr.		.,		,ve
2/00	<u> </u>	400	Z <del> </del> III.	(bonded) Water Well Co	nstructor Certific	ation:	
				I accept responsibility for the			rk
Tamas-t- (**		Danit A		performed on this well during		·	rk
Temperature of W Was a water anal	/ater <u>54                                    </u>	Depth Artesian Flow to By whom	round	performed during this time is construction standards. This			bellef
	tain water not suitable		Too little	1 K D -4	F18 7	WWC Number 138	
Salty Muc	ldy 🗌 Odor 📋 C	Colored Other		Signed 10 See	) Duck	Date 1/27/04	
Depth of strata:		<u></u>		Robert Buckner	r		
ORIGINAL & FI	RST COPY - WAT	ER RESOURCES	DEPARTMENT SEC	COND COPY - CONSTRUCT	OR THIRD CO	OPY - CUSTOMER	

Desc 55853

	BORE	HOLE	R	EDMONA	WELL #6	PAGE _ OF _ 6_					
		T.155	s., R.	13 E. [will	enere Mar		LER WESTERN WATER DA	START FINISH TE 4/02/03 10/51/03 AE 08:30 /6:00			
	TOTAL					RIG		OPHYS. LOG LYES N			
1 4	BORE	OLE	DIAM.	26"		BIT(		OW LEFT See Good- log			
S Buchue						FLU	D Not Applicable				
is 🛥				<u>/</u>							
4 80 6	DEPTH		CIRC.	AIR LIFT S Q(GPM)	MATERIAL	SYM- BOL	DESCRIPTION A	ND COMMENTS			
		TIP4Y	64 4/	ι -			2-14' Grey residual from				
BERNATHY	مر ا		l		, ,	billion of	2-14' Grey vesseular leva				
10.428'	- 10 -		(i. 1/2		- Lareflow						
8	-		0 9/ 2.5 4/	<b>\$</b>	1		14-241 Hard gros lars				
1 61	20 -	<b>L</b> -	<sup>3</sup> '' '	-	<b> </b>	白					
1210	1		"   "	'	Russie	The same	14-285. Brown lara u/ red co	rders			
_   }	- 30 -	-	<b>₩ ₩</b>	Т		+ =		Dario brown farcy lare, Here			
z m	1		1 1/0 2 1/0	1			1 25-23 Dack Sester & A/E/ /A	ra rack broken or caving			
은 유	- 40 -	1.	3 11	<u>-</u>	ļ. 1		[ · · · · · · · · · · · · · · · · · · ·	ra rook. broken or easing broken, caring			
OCATION	"	ł	7 7 7 3 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4	/b 	} }		yorus Ward gray lava 43-4; was up thank good rock	37 Hand duch nock			
25		<b>L</b>	3 4/2	۱ ا	l 1		47-50 Grey ark rock				
	30		s -1/				Hard gren lava				
	•		4 4/	14	Lura		Hard gren lava SS-SS Hard grey lava - Med grey lava				
	- 60	<b>L</b>	ţ.·✝¶/	- T	1=1000		the grey lave				
	1		5 4	h <b>5</b>	-	(a) (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	eith medium grey lava				
1 1	70	▐▙	十"十"	" <del>+</del> -	†		<b>†</b>				
			1 1	/30		(1774) TA	• •				
	- 80	-	+,-+	'- <del> -</del> -	<del> </del> -		Medi grey lava				
		L	4 51	/ <sub>2</sub>			Med. hard grey lava				
1 1	- 90		16 1 <u>5</u>	/s	Inter floor	400	Wat & Comme canalow can				
<b>74</b>			ر د ا	70			72-95 Hood do-k good land				
١٩	100		b 5	<u> </u>	l		95-101 Black, gray 4 60304 1403				
4	100		5 5	ls	4		major i				
REDUMD	un		4 5	. 1	Gazers		10725-1065 Red Condere	·			
<u> </u>	110	<b>T</b>	1 1	7.0	- Shadatone	/Italehmi	110-115 Brown + Greater	5.			
7		k		7.1			113-115 Brown + Grey Lava	, )			
1 1	- 110	£		1,5	<b>†</b> ?		119-122 Hard gray have	( , ) *			
₹				714	Leu flow		122-127 Grey Lara 127-121 Med gray lara	All De Kongress Comments of the Comments of th			
ν (V	- 130	-	T <sub>-</sub> T	//··	+	<b>一飜</b>	1 11-134 Hard 3rdy lare	by by a			
<u>5</u> 3		L		5/16 57,3			154-134 Hard Gray Laur	RECEIVED			
<b>DECT</b> WELL	140	-		/1? -	+		136-172 Med great bara	MECHIVED			
PROJECT CITY			ų s	7120			HOTHE Med gray lava	JAN 28 2004			
<b>a</b> .	L+50		9	7/21	Squa Stoy 4	377		WAILER OF THE REPORT			

# Desc PRILLERS' SSSSS LOG OF BOREHOLE

	ı	BORE	HOL	E_	<u>L</u> ei	DMOND	MET 4	PAGE 2 OF 6						
1	ı		<u>,                                    </u>	13E	<del>(</del> 7		SEC. 21		LER WESTERN WATER	START FINISH  DATE 4/02/+3 12/20/03  TIME 08:30 /6:70				
	S	TOTAL	DEP	П	8	72 FT		RIG	Bucrious-Epis 364	GEOPHYS. LOG AYES NO				
	Bucke	BOREH	HOLE	DIA	M	26"		ВП	(S) 26" STAR	HOW LEFT See Construction				
	3-45							FLUID Not Applicant a						
44-15-174	Beal	DEPTH	PEN. RATE	CI S		AIR LIFT Q(GPM)	MATERIAL	SYM-	DESCRIPTION	N AND COMMENTS				
1	4			<del>*</del>	<i>\$\fi</i> z.\			27%	120 -123 Rad & brown sander	was how how you had a come how				
3	<b>SEERMATHY</b>	160 -	ſ.	7	*/22				153-162 Hediam Grown sand:					
12.8	868	-	<b>P</b>					1	missing reports	JAN 28 2004				
121 P 10.4281	1 1	- 170 -	-	6	5/27	}			190-172 Brandgreen sandston					
7	946				c/18		Sandstone		170-194 Brown & Trey - Brokes	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
_	B≺	- 180 -		[		1	- ,		T .					
LOCATION		- 190 -		1 -	5/21		<u>_</u>		189-187 Brown & black sand	1 Table 4 Company of the company of				
S	ဗ္ဗ			4	F/+3				192-196 Grant brown lava					
9	2	- 200		7,5	6/3		<u> </u>		1 '	JAN 1 % ZHZ				
		·		3	6/5-		Basalt		798.5.23 Hard 3rds basalt, b Lo3-206 Hard grey busalt, b 206-611 Hard grey hasalt, b	WATER RESOURCES DEPT				
		- 210 -	-	2	6/3		F10-1		111-218 Gray basalt 218-216 Gray basalt	SALEM. OREGON				
			ł.	3 4	₽/9 6/0				110-220 Hand grey busalt					
	1	- 220		7	w/\(		<u> </u>		220-224 Hand gray basely	1 b				
		- Z30 .	<u>.</u> .	٤.	۱۱/۵   دالا	-	- Mobile.		224-228 Hand gray basalt. 224-228 Hand gray basalt. 224-235-Brown gray lava	Run 2nd Planback Test				
				5	6/10	.	·		23,-238 Hard dann greg-b	wa leva				
		- 240	1.	1	10/1		_		-278-242 Black & Brown 1	lawa - Stongtong + = 224'				
2 O R		1		5-	6/19	1	Basalt Laxa		271-242 Black & Brown la. 271-247 Black & brown la. 477-253 Black & brown l	re, softer b broken				
ી		- 25	<b>.</b>	<u></u>	6/22	<u>-</u>	Flow	-   	1917-253 Black & brown 1					
3		~~ "	P	,	6/2	2			243-257 Hard gres been	+				
\$		200	<u> </u>	ر کیا	مريا		L		1200-260 Hardgrey hard					
REDMUND	-	- 260	L					164714	MILOZ-ZAY Broken SHEY					
of.				8	0/2	<b>`</b> [	Volcanic		1204-140 Brown volcani					
CITY 0		270		†•	1/2	1	erate		270-278 Brown volcanic					
	*	180		171	+ 127	† •	†		1278-192 Brown volcanic com	510me sente				
PROJECT	1797	7==							A COLOR	lumbrata Kigdown Forrepails them				
Ş	3	770		T,	T	,			- <b>7</b>	throught Kingdown for repairs through				
PA	:	2, .		7	Ι.			23	273-300 Dark 3144 VOICE	L'C CONSTRUCTATA				
				_										

# DEC-29-03 09:38 FROM-ECO:LOGIC ENGR RENO DESC 55853 T-093 P.04/13 F-735

	BORE	HOLE	Re	GHOMD.	WELL 6			PA	NGE _	<u>ک</u> OF _ ف	<del>-</del>
	-T.15A		35. (		Sec21	DEVEROPMENT DATE 4/02/03			FINISH 10/30/03		
	GROUN			277.0	<del></del>	DIA.	3	ki 608 366	TIME	08:30	14:00
1				<u>872-61</u>		, -		7.1			EYES_NO
74	BORE	1OLE	DIAM.	<u> </u>			S) <u>24`</u>		HOW	LEFT See	Court. Log
75' A		<b></b>			7411	FLU	ID	/^			
44 647 175'	DEPTH	PEN. RATE	CIRC.	AR LIFT Q(GPM)	MATERIAL	SYM- BOL		DESCRIPTIO	N AND	COMMENTS	
			7 7/8	1	Volcaria Longlon - Grage	調	3-7-312	Dark greg relevation	<b>6800</b> \0		
्रे हैं	- 30 -	-	<u>*</u>   <del>}</del> //	+ -		1776	-				
10.42.8' W	-		6 7/10		Seakstan	<b>只是</b>	212-318-	Park grey volconic of Brown hard sands	tome.	e/475	
A. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	320	▜█ ~	7 3/1	† -	_ SERASTAL !		318-225	Brown sandithe			
12.1	1		'					Brown sandstone			
_ \	- 330 -	-	L7 17/14	+ -	<del>-</del>		-	Brown savastona	+-n -c		
Ž,	1		. 7/s	333 -				Buck gray sands Brown sandston.			
LOCATION.	- 340 -		<del>├</del> ╶╬╸╵	- ' -	sandstare of travel	9		Brown Sand Stones		et.	-
22	- 3:70-		11 7/13		<u>-</u>		34 7-35-8.	Brown Sandstone	w/ 5~	rel swi	5 5 5 5 5 40'
	360		7/.1		<b></b> 	0.0	S. 8 -370	B., and Sindstone w	) Jura		
1	- 370		-  - 	<u> </u>	Stad stone	2.00	270-580	Grey sandstone			-
	- 380	<b>.</b>	17/2					least with caring, gravely Endatane	1-1+ 9.	+/24 , qille	d 380 fr \$71°.
			7/2	1			3	.14t gray Sandston			
ă	390		7/2	•	Ī		571- 59 T	died Zen, stave			
RESMOND	- 400-		8 7/2				3,5-7-07	Bromy faith to	.d.thune	<u> </u>	
1 1	- 410		12 312	<u>.</u>	+	7	407-418	Brown sendston	4		-
70						7				RE(	CEIVED.
7.17	420		10 7/3	75			418-428	Brown + 3-47 san	A 6 TPM &		28 2604
7 78	- 430	3	10 7/3	n ·	<u> </u>		42B-43B	Brown + gray stand	Astone	C C C C C C C C C C C C C C C C C C C	-
JECT.	440		$\downarrow \downarrow$	1	1			Eroput grey sa	nd stane		<del>-</del>
PROJECT Ve.			8 1	1			43 % ~ 44 5				- المالية
α.	چپيا '		ja 9/	<del>,</del>			1446-451	Redobroom Sand	4046	+ Flamens	もりいいかの 出
	~~									tor per	

PRILERS'

	21,	T. 15	۲,	<u> </u>		Sec Manekek		TER WESTERN TER DEVELOPMENT DATE .	START  y/v2/v3	FINISH 2/39/23	
ı	GROUI						-		09:30	16:00	
ı	TOTAL DEPTH 871 Pt							Bucynes Crue SEL GEOPH	YS. LOG 41	ES_N	
I	BOREHOLE DIAM. 26"							S) 26 5742 HOW L	EFT Sec C	instala	
l								FLUID_A/A			
	DEPTH	PEN. RATE	K K	ec.	AIR UFT O(CPM)	MATERIAL	SYM- BOL	DESCRIPTION AND CO	DMMENTS	-	
I						candatore		147-425 Ked brown Gandstone			
L	U.s.		<b>u</b>	9/5				75-462 Brown-tan sandstone			
ſ	460 -		,41	8/6		<b></b>		TALLYTO Brown-Tan sundature A	ECEIVED	)	
l	470 -		†	† -		<b></b>		440-477 Greg Sendstone	IAN 1 2 2012		
-	480 -		"	- 19/3					RESOURCES		
_	490 -	<b>.</b>	-6-	₹/₹ ~		<b>.</b>		187-495 Arm sundstone - 7-serbing			
				ľ				495-500 Brown & gray sandstone	•••		
ŀ	<i>5</i>		13	8/11				300-108 Gray Sandstone, Sotth			
	_		~	0/11						-	
	510 -		12	8/12	<del>-</del> -	<del></del> .		special Gray inchistory of blocks	REC	EIVE	
-	520 -		┝ -	-	- +	-		•			
_	53o -		10	8/3		_		520-530 Browny grey sanditina	JAN	18 2009	
	Ž		12	8/m		sand Hord w/grasol		530-548 Brown sandstone w) pe	LA STRIVEL		
_	540-		•	<b>–</b>	†	<b>-</b>	2	- could there are a series	a a l		
_	- <del></del>		15	8/15		. <b></b>	2.1	572-554 Darkgrey squatters of grad	· ·		
		, i i					1 2 5				
-	560 -		, s	19718				By. 567 Dark gray sandstone of g	revols		
			"	918							
•	570 -		ļ., .	8/19	┝╶┪	- ,		4 a Law L la barrier 2	21416/5		
		: :					15	possibly sloughing			
•	530 -		13	5/20	- +			- 177-570 Dark grey sandstone u/	grare1		
				7~			100	Star-4			
-	570 -		T*		†	Η ,	13.75	-40-244 Dank grey sand my gravel			
			15	क्षर			9-9	590-177 Tembrown sandstone wy	rauds		

	BORE	HOL	<u> </u>	admp.	d roon 6		P	AGE SOF 6		
1 17 17					Sec Namena)		TEL PEVEL PMENT	START FINISH  DATE 4/02/03 (0)20/03		
K 	GROU					_		TIME 08:30 10:00		
kỷ				872 FI	<u> </u>	RIG	Bucr Rus-62, 6 366	GEOPHYS. LOG YYES NO		
N 10	BORE	HOLE	DIAM.	<u> 26 '</u>		BIT(S) 26" STAR HOW LEFT See Constr.				
25. S		•				FLUID N/A				
1305		•	DIFT PY							
计艺	DEPTH	PEN. RATE	set da	AIR LIFT Q(GPM)	MATERIAL	SYM- BOL		ON AND COMMENTS		
BERNATHY		;	15 8/2	'	sandstone m/gravel		377-645 Tur-brown sandit	eac algravels		
21" ID-443" W	- 610 -	_	13 6/21	_	- 		bos-big Brown sandst	one w/ gravel		
121, 10.	- 620 -		┡ ╁.		<b>-</b>		-			
VS	İ		צו 🎝 צו				bir-632 Brown squist	ene w/ gravel		
_ ₹	- 630 -		<u> </u>	+ -	Γ,		-			
OCATION LOGGED 1	- 640 -		10 844	  -  -	_		624-620 Dans brown, a	and stone of conders &		
LOCATIC			4							
	-652					- 2 4 4				
	- 660 .		.9 8/z	, 	-	9	ing borne to park brown sandstone of gravels			
						0		•		
	- 670 -		+ ·	†	-		-			
	- 687 -		14 <u>8/</u> 4	5	-	0.0	670-686 Dark brown	sand stone of gravely		
					•	0				
<b>a</b>	- 690-		12% 8/19	-	-		-686-697 Dark brown :	sand sounce -/ gravels k		
Q 1 Q M	- <del>700</del>		<u> </u>	·		9.0	477-699 Hord gray Lava \$9 9-723- Hard agray haca			
2		<b>,</b>	5+ 9/2 3+ 9/3	1						
~	710 -		2.5 414	<u> </u>			706-708:5 Herr 3/53 Gents	RECEIVED .		
4	'		3 %		\$ = 54/4 LAVA	4400	POP-FORE HAND GIVES herelt #35-7165 Hand GIVES herelt			
1 1	- 720 -		3,3 9/10	<b>-</b> -	ده وایجا -			JAN 38 2004		
6 6174			4.5 A/11			37.37	740-724 Hund It area Last	off many the		
الد الا	- 730 -		4 9/15		-	-	729-729 Hera gray beself 729-787 Hera gray beself	<i>(</i> ( )		
			2 9/16		and state		Sold-Agreed lighter direct agreed	· <del>*</del>		
OUEC:	740 -		┝╶┼	+ -	sand stone		7355- 741 Brown Saudamie	•		
PROJECT WELL			12 7/1				711-746 Brown sand tone	• -		
	<del></del>	***************************************			<del></del>	10000	117 174 UTT - 1	. •		

DRILLERS'

١					<u> </u>		LER WESTER	START FINISH				
				s, Haney.	•	_14/-	TER DEVELOPMENT	DATE 4/02/03 10/30/0				
4	GROUN			872 \$	)_	DIC.	Bucygus-Bos 36L	TIME 08:30 Alto				
2				26"	+	BIT(		GEOPHYS. LOG X YESN				
4	DUREF	IULE.	DIAM.			FLU	-,	HOW LEFT See Constr.				
					··· • • • • • • • • • • • • • • • • • •	11.0	FLUID NAME LA					
٩	DEPTH	PEN. RATE	71.04 227 100	AR LIFT Q(GPM)	MATERIAL	SYM- BOL		N AND COMMENTS				
Т			14 9/		Sand stran	9.0 R	746-753 grey stad stane 2					
RAZATHY	<b>-</b>	ł	3 9/1		Busalt		313-360 Hard gray residula					
3 i	- 740 -	<b>t</b>	3. 77	***		70.00	700-768 Herd group desait 765-765 Hard group desait 765-767 Dark group dark (50	Market James John Wille S William Ser				
387	•	Ŀ	4 1%	ᄖ	flow ,		703-767 Dark gring lave (Fo	TO RECEIVE				
ال	- 770 -	█ *	7-74	<i>,</i> † 1	_601479 1		747-774 Dark gray Lara	1851 6 6201				
3		r	6 7/2	5		11.0	774-789 Grey reside   AJQ	JAN 28 2004				
ה	- 730 -	₹	+, +,,	<u>.</u> † •	-							
_	,	<b>1</b> ,	9. 7/2	,		and the	719-164 Gray Vesicular Basa 784-798					
OGGEO	- 790 -	•	Y + 1/3	ot -			188-792 Hand grey busult					
3		<b>[</b>	3 101	n		THE STATE	#92-794 Hard gray bosalt					
3	<i>80</i> 0	<b>1</b> -				- 611/(11/0)	-188-792 Hund gray bushle 792-799 Hund gray bushle 794-797 Hand gray bushle 742-803 Gray Mandan	Brok-cail				
		-	<del>                                    </del>	٦			ma-cot Hard area basalt					
	810 -	1.	J. S 1.0/		Ļ		200-807 Hand gray bestler 207-811 Perty gray Hasicula	- have dote . Driller remarked the				
		•	r (0)	7	 		811-814. Durkgron Vesiculi	- Lera				
	- 82b -	i.			الم		811-814. Durkgron Vesical.  816-817 Gray Vesicalian Lar  187-824 Gray Vesicalian Lar	1 NO SAMPLE AFTER BIEFT				
	ِ سُن	Ī	3 4	4	LOT TINGS		826-825 Kay Van In home	7				
П	- 820 ·		الورا عد	· <u>†</u> .	14X11		82-830 Francish Lara	NO SAMPLE				
П	•••		5. 10	16	C)		830-835 Fracture Land	S JAMPLE CK ?				
	Ça. \		7 10	/20	]		835-842 Francish Love ?	NP SAMPLE				
	- 840 -		3 101	2	Γ		and the formation times?	Harate Garad 34" NO SAMPLE				
	0.5		8 10/			. 41	A	* * * * * * * * * * * * * * * * * * * *				
	<del>8.9</del>		4 10		Morking		Sin Sin Hard grey beralt.	40 on Hings				
			12 19	27	MO LLI		154-860 Brober 1 22 7 No	sating s				
	- 860 -		† †	†	Ginders, San	100	860-866 Dark Ley- passen cu	der with sand final great				
			ه، اس	/19		5.8	866-868 Brain Red Cinders	faravels, Note: 4" of fine				
	- 870		+,+,	-	†		88-371 Brand gray bester 871-572 [Terminate drill	ny on 10/29 dec to former				
							2-374-1-1-73. Beil 73	10/5h				
	- 880	+	+ +	+ -	+	+ -	_ E-2,55e4 11/2/0.	3 - should in to 862"				
グラフ												
3	-	+	+ +	+	+	+ -	RECEIVED					
					1		·					

STATE OF OREGON **WATER SUPPLY WELL REPORT** 

**DESC 57788** (as required by ORS 537.765)
Instructions for completing this report are on the last page of this form (START CARD) # 187111

(1) OWNER:			Well Numb	per: 7			County Desch		escripti Latitude		Longitud	
Name <u>City of</u> Address <u>P.O. B</u>	f Redmon	<u> </u>					Township 15S	NorS. Range	3E	Ea	r W. of V	
Hy Redmo			State Q	R Zip	97756		Section 10(D) Tex lot 1100 Lot	NW Block	_1/4 _	SE Subdiv		1/4
2) TYPE OF	WORK:						Street Address of Well		450 NE			
X New Welf	Deepening	Alteration (re	pair/recon	dition)	Abe	ndonment	Redmond, OR 9					
3) DRILL ME	THOD:						(10) STATIC WATER					4010000
Rotary Air	Rotary	Mud X Cabi	8		Auger		326 ft. belo Artesian pressure	w land surface. lb. per s	quare incl		me <u>12/</u> Me	13/2006
Other							(11) WATER BEARI	NG ZONES:				
4) PROPOSE	ED USE:					_	Depth at which water w					
Domestic	X Commi	· =			Irrigatio	n	l					
Thermal	Injectio	n Live	tock		Other		335	To 850		ated Flov 5000+	v Rate	326
(5) BORE HO	LE CONS	TRUCTION:				2001						<b>J23</b>
Special Construct	_ · · -				ed Well	802_ft.						
Explosives used   HOLE	165 A.N	SEAL		Amount		ount						
Diameter From	To	Material	From			pounds	(12) WELL LOG:	Ground e	levation 3	:040'		
26 0		ment Slurry	282	322 2	10 sac		l					Chan
					, <u>,</u> ,		See Attached Borel	Material hole Lithology		From	То	SWL
	<del>   -</del>											
												+
low was seel plac	oed: Method	□A □B []	KIC 🗆						DE	CEIL	, pro 500.	
_Other Seckfill placed from	m RR R	. to 275 fl.	Material E	Ranton	He Ch	ine	·		UE	VE!		4
3ravel placed fro		to 862 ft.	Size of gra	wel 6x1	12 & 1/	4-			JAN	110	2010	
(6) CASING/L	INER:						RECE	EIVED	JAT	112	ZUIZ	
Diamete		To Gauge   8	teel Pla	stic W	elded	Threaded	1411	- WA	ER RE	SOURC	ES DI	TO
Casing: 16					X		JAN 1	7 2001	SALEA	1 ORE	CON	
16 n 16 n			<b>X</b> [	╡	X		WATER RESOL	URCES DEPT			30:4	-
16in					X		SALEM, O	REGON				
iner:												$\vdash$
Final location of al	hoe(s)						W/	/ DI-		DEC	<b>E</b> 11	ED
7) PERFORA	ATIONS/SC	CREENS:					WESTERN W	ATER DEVELO	DMENT	HEC		ED
Perforation		thod Factory						Box 1670	~,	רבט	0.77	2007
X Screens		Pe Slotted	Mate	orial <u>31</u> (	6L	• • •	REGMO	nd, OR 977	76	FEB	01	2007
From To	Slot size No	umber Diameter	Tele/pig size		esing	Liner			WAT	ER RE	SOUR	CES DEP
	.100	16in	pip		×					SALEN		
700 750 780 860	.060	16in 16in	pip	×	X		Date started 6/7/2006	Con	rpleted 1			
780 860	.000	10111	pip				(unbonded) Water Wel					
							I certify that the work I per					
8) WELL TES	STS: Minir	num testing ti	ime is 1	hour			of this well is in compliance Materials used and informs	-				
X Pump	Bailer	r ∏ <b>Ai</b> r			Flowing	Artesian	belief.	•				
Yield gal/min	Drawdo	um Drille	stem at		Time		Signed			VC Numb le	Def	
2700			370		24 hr.							
4100		<b>y</b>	J/U		-7 111.		(bonded) Water Well C	onstructor Certifi	cation:			
							I accept responsibility for	the construction, alte	erstion, o			
Temperature of W	Valer EA So	Depth Artes	ian Flow 6	ound			performed on this well during performed during this time	-	-			DIK
Was a water anal	yais done?	Yes By whom	Umpau	ia Labi	5		construction standards. Th					belief.
Did any strata con	ntain water no	t suitable for intend	ded use?	□То	o little		$I \in \mathcal{K} \mathcal{L}$	#12 I	w	VC Numb	× 138	35
_Salty	. —	r Colored					Robert Buckn			le <u>12/24</u>	WZUU5	
							1					

ORIGINAL - WATER RESOURCES DEPARTMENT

FIRST COPY - CONSTRUCTOR

SECOND COPY - CUSTOMER

#### **DESC 57788**

## CITY OF REDMOND WELL #7 DRILLERS FROMATION LOG

Description		From	To	
3/4" Crushed Rock		0	1	
Broken Gray Lava		1	15	
Gray Basalt		15	31	
Red Cinders		31	34	
Broken Black/Red Rock		34	53	
Brown Rock		53	61	
Black Lava		61	77	
Brown Sandstone		77	84	
Brown Conglomerate		84	88	
Black Lava		88	107	
Brown Sandstone		107	121	
Redish & Black Lava		121	130	
Brown Sandstone		130	133	
Black Lava		133	144	
Gray Lava		144	158	
Reddish Brown Rock		158	159	
Brown Rock		159	172	
Brown Sandstone		172	176	
Red and Black Lava		176	181	
Redish & Brown Sandstone		181	191	
Black Lava		191	206	
Brown Sandstone		206	209	
Coarse Black Sand		209	221	
Black Lava		221	243	
Brown Sandstone		243	249	
Black Lava & with Brown Ash		249	273	
Hard Black Basalt		273	283	
Red Sandstone		283	306	
Brown Sandstone		306	325	
Light Brown Sandstone		325	335	
Dark Brown Sandstone	WB	335	391	330
Black Sandstone	WB	391	423	328
Fine Black Sand	WB	423	458	328
Brown Sandstone	WB	458	<b>526</b>	328
Broken Blue & Gray Basalt	WB	<b>526</b>	529	328
Blue & Gray Basalt	WB	529	537	328
Gray Basalt	WB	537	553	328
No Cuttings Semi Soft	WB	553	565	328
No Cuttings Harder	WB	565	580	328
Red & Black Basalt	WB	580	600	328
No Cuttings Broken & Hard	WB	600	610	328
Black Basalt	WB	610	613	328
Black Sandstone	WB	613	<b>625</b>	328
Brown Sandstone	WB	625	632	328
Reddish Brown Sandstone	WB	632	641	328
Multi Colored Coarse Sand	WB	641	658	328

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#### **DESC 57788**

Dark Brown Sandstone	WB	658	690	328
Brown Sandstone	WB	690	706	328
Blue & Gray Basalt	WB	706	711	328
Gray Basalt	WB	711	731	328
No Cuttings Soft	WB	731	734	328
No Cuttings Harder	WB	734	741	328
No Cuttings Soft	WB	741	745	328
No Cuttings Harder	WB	745	750	328
Broken Vesicular Basalt	WB	750	<b>754</b>	327
Black Sandstone	WB	754	770	327
Black & Brown Sandstone	WB	770	785	327
Vesicular Black Basalt	WB	785	790	327
Vesicular Red & Black Basalt	WB	790	800	327
Hard & Broken No Cuttings	WB	800	810	327
Brown Sandstone with Multi				327
Colored Sand Lenses	WB	810	818	327
Vesicular Red & Black Basalt	WB	818	826	327
Black Sandstone	WB	826	831	327
Black & Gray Basalt	WB	831	838	327
Red & Black Basalt	WB	838	843	327
Vesicular Black Basalt	WB	843	847	327
Hard Black & Gray Basalt	WB	847	850	327
Very Hard Gray Basalt		850	86D	327

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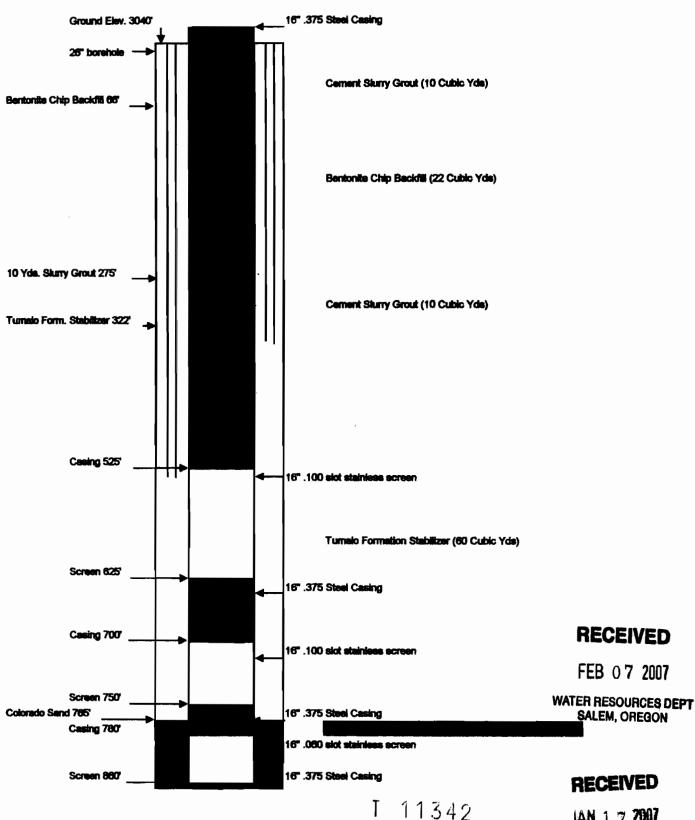
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#### CITY OF REDMOND WELL #7 AS BUILT



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