

OBSERVATION WELL

Well 2

NOTICE TO WATER WELL CONTRACTOR

The original and first copy of this report are to be filed with the

STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

WATER WELL REPORT

STATE OF OREGON (Please type or print)

State Well No. 19/11-32 N

State Permit No. G-4064

RECEIVED 5/25/67 DESC 5749

(1) OWNER:

Name Sunriver Properties Inc. Address 264 Irving St. Bend, Oregon

(2) LOCATION OF WELL: Well #2

County Deschutes Dealer's well number 11 SW 1/4 1/4 Section 32 T.19S R.11E W.M. Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check): Cleaned

Well [] Deepening [] Reconditioning [] Abandon [] In abandonment, describe material and procedure in Item 12.

(4) PROPOSED USE (check): (5) TYPE OF WELL:

Domestic [x] Industrial [] Municipal [] Rotary [] Driven [] Irrigation [] Test Well [] Other [] Cable [] Jetted [] Dug [] Bored []

(6) CASING INSTALLED: Threaded [] Welded []

" Diam. from ft. to ft. Gage " Diam. from ft. to ft. Gage " Diam. from ft. to ft. Gage

(7) PERFORATIONS: Perforated? [] Yes [] No

Type of perforator used Size of perforations in. by in. perforations from ft. to ft. perforations from ft. to ft. perforations from ft. to ft. perforations from ft. to ft. perforations from ft. to ft.

(8) SCREENS: Well screen installed? [] Yes [] No

Manufacturer's Name Model No. Diam. Slot size Set from ft. to ft. Diam. Slot size Set from ft. to ft.

(9) CONSTRUCTION:

Well seal—Material used in seal Depth of seal ft. Was a packer used? Diameter of well bore to bottom of seal in. Were any loose strata cemented off? [] Yes [] No Depth Was a drive shoe used? [] Yes [] No Was well gravel packed? [] Yes [] No Size of gravel: Gravel placed from ft. to ft. Did any strata contain unusable water? [] Yes [] No Type of water? depth of strata Method of sealing strata off

(10) WATER LEVELS:

Static level 6 1/2 ft. below land surface Date 5-12-67 Artesian pressure lbs. per square inch Date

(11) WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? [x] Yes [] No If yes, by whom? Inglis Yield: 1200 gal./min. with 43 1/2 ft. drawdown after 4 hrs. Baller test gal./min. with ft. drawdown after hrs. Artesian flow g.p.m. Date Temperature of water 48 Was a chemical analysis made? [] Yes [x] No

(12) WELL LOG: Diameter of well below casing 12"

Depth drilled 266 ft. Depth of completed well 266 ft. Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

Table with columns MATERIAL, FROM, TO. Entries: Cleaned debris out of well, About 254ft casing in well, Finished in course sand and fine gravel.

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WATER RESOURCES DEPT SALEM, OREGON

Work started 5-10-67 19 Completed 5-11-67 19

Date well drilling machine moved off of well 5-12-67 19

(13) PUMP:

Manufacturer's Name Type: H.P.

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.

NAME Reed's Well Drilling (Person, firm or corporation) (Type or print)

Address 1142 Galveston Ave. Bend, Oregon

Drilling Machine Operator's License No. 400

[Signed] Lloyd Reed (Water Well Contractor)

Contractor's License No. 443 Date 5-20-67 19

(USE ADDITIONAL SHEETS IF NECESSARY)

1011650

19/11-32 N
Dischute

GROUND WATER IN THE BEND AREA

C. Occurrence and Use of Ground Water

Well No. 12

Source of information: R. J. Strasser

Drilled for: Camp Abbott

Drilled by: R. J. Strasser

Date: January 1943

Location: Camp Abbott (Same as No. 11)

Elevation: Approximately 4200 feet above sea level

Total Depth: 312 feet

Casing: 254' to 312' - 12" diameter

Aquifer: Sand and gravel

Yield: Ample

DRILLERS LOG

FROM	TO	DESCRIPTION
0	3	Top soil
3	6	Sand, Clay
6	8	Clay
8	54	Sand and Gravel
54	63	Black lava
63	71	Gray lava
71	76	Sandy lava
76	85	Black lava
85	93	Gray sandy lava
93	95	Hard rock
95	97	Clay and gravel
97	108	Blue lava
108	111	Red clay
111	117	Black lava
117	120	Red lava, soft
120	131	Sandstone and black lava
131	135	Black lava
135	147	Blue lava
147	150	Sandy lava
150	165	Black lava
165	175	Clay and gravel
175	186	Lava, sandy
186	202	Black lava hard
202	207	Black lava soft
207	212	Black lava hard
212	213	Red clay
213	222	Black lava hard
222	231	Hard sand
231	240	Sand and lava
240	312	Sand and gravel

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WATER RESOURCES DEPT
SALEM, OREGON

T011650

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

APR 6 1985

DESC 5744

Well 9

PLEASE TYPE or PRINT IN INK

WATER RESOURCES DEPT

(for official use only)

(1) OWNER:

SALEM, OREGON

Name Sunriver Utilities Company
Address Water Department
City Sunriver State Oreg. 97707

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Air Driven
Rotary Mud Dug
Cable Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Community Thermal:
Irrigation Withdrawal ReInjection
Other: Piezometric Grounding Test

(5) CASING INSTALLED:

Steel Plastic
Threaded Welded
1.4" Diam. from +2 ft. to 170 ft. Gauge # 250
" Diam. from 161 ft. to 484 ft. Gauge # 250

LINER INSTALLED:

Steel Plastic
Threaded Welded
see above
Diam. from ft. to ft. Gauge

(6) PERFORATIONS:

Perforated? Yes No
Size of perforations 1/8 in. by 3 in.
1850 perforations from 484 ft. to 384 ft.
370 perforations from 364 ft. to 344 ft.
370 perforations from 304 ft. to 284 ft.

(7) SCREENS:

by 3" Well screen installed? Yes No
Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot Size _____ Set from _____ ft. to _____ ft.
Diam. _____ Slot Size _____ Set from _____ ft. to _____ ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom? Contractor
1900 gal./min. with 93 ft. drawdown after 2 hrs.
Air test gal./min. with drill stem at _____ ft. _____ hrs.
Bailer test gal./min. with _____ ft. drawdown after _____ hrs.
Artesian flow g.p.m. _____
Temperature of water 52* Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Special standards: Yes No
Well seal—Material used Portland Cement
Well sealed from land surface to 55 ft.
Diameter of well bore to bottom of seal 19 in.
Diameter of well bore below seal 16 in.
Amount of sealing material 70 sacks pounds
How was cement grout placed? Pressure Grout
Was pump installed? no Type _____ HP _____ Depth _____ ft.
Was a drive shoe used? Yes No Plugs _____ Size: location _____ ft.
Did any strata contain unusable water? Yes No
Type of Water? _____ depth of strata _____
Method of sealing strata off _____
Was well gravel packed? Yes No Size of gravel: _____
Gravel placed from _____ ft. to _____ ft.

(10) LOCATION OF WELL by legal description:

County Deschutes SE 1/4 NE 1/4 of Section 29 of _____
Township 19S Range 11E WM. _____
(Township is North or South) (Range is East or West)
Tax Lot _____ Lot _____ Block _____ Subdivision _____
MAILING ADDRESS OF WELL (or nearest address) unknown

(11) WATER LEVEL of COMPLETED WELL:

Depth at which water was first found 35 ft.
Static level 27 ft. below land surface Date 7-25-85
Artesian pressure _____ lbs. per square inch Date _____

(12) WELL LOG:

Diameter of well below casing 8"
Depth drilled 558 ft. Depth of completed well 558 ft.
Formation: Describe color, texture, grain size and structure of materials and show 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.

MATERIAL	From	To	SWL
Top-Soil	0	2	
Boulders & Clay	2	32	
Gravels (Black)	32	35	
Black Lava	35	42	
Broken Lava	42	50	
Black Lava	50	70	
Black Sand	70	83	
Red Lava	83	105	
Broken Black Lava	105	140	
Black Lava	140	148	
Red Clay & Rocks	148	160	
Black Gravels	160	170	
Black Lava	170	180	
Grey Lava	180	218	
Black Sand & Gravel	218	240	
Sand & Gravel-Yellow Clay	240	265	
Yellow Pumice	265	277	
Black Lava	277	291	
Broken Black Lava	291	298	
Mild Black Lava	298	330	
Red Cinders	330	340	

Date work started 5-4-85 /completed 7-25-85
Date well drilling machine moved off of well 7-25 19 85

(unbonded) Water Well Constructor Certification (if applicable):

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] Earl Salaskey Date 8-6 19 85

(bonded) Water Well Constructor Certification:

Bond 10596951 Issued by: AMWEST
(number) (Surety Company Name)

On behalf of Buckner Pump Service
(type or print name of Water Well Constructor)

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief:

[Signed] Robert Buckner
(Water Well Constructor)

(Dated) 8-6-85

NOTICE TO WATER WELL CONSTRUCTOR
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.

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WATER RESOURCES DEPT
SALEM, OREGON

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STATE OF OREGON

WATER WELL REPORT AUG 2 8 1985

(as required by ORS 537.765)

PLEASE TYPE or PRINT IN INK

WATER RESOURCES DEPT

(for official use only)

(1) OWNER: SALEM, OREGON
Name Sunriver Utilities Company
Address Water Department
City SunRiver State ORE. 9 7707

(2) TYPE OF WORK (check):
New Well [x] Deepening [] Reconditioning [] Abandon []
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL: (4) PROPOSED USE (check):
Rotary Air [] Driven [] Domestic [] Industrial [] Municipal []
Rotary Mud [] Dug [] Irrigation [] Thermal: [] Withdrawal [] ReInjection []
Cable [x] Hired [] Piezometric [] Grounding [] Test []

1) CASING INSTALLED: Steel [x] Plastic []
see pg. 1 Threaded [] Welded [x]
Diam. from ... ft. to ... ft. Gauge ...

LINER INSTALLED: Steel [] Plastic []
see above Threaded [] Welded []
Diam. from ... ft. to ... ft. Gauge ...

(6) PERFORATIONS: Perforated? [x] Yes [] No
Size of perforations in. by in.
see pg. 1 perforations from ... ft. to ... ft.

(7) SCREENS: Well screen installed? [] Yes [x] No
Manufacturer's Name ...
Type ... Model No. ...
Diam. ... Slot Size ... Set from ... ft. to ... ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? [x] Yes [] No If yes, by whom? Contractor
1900 gal./min. with 93 ft. drawdown after 2 hrs.
Air test gal./min. with drill stem at ... ft. hrs.
Bailer test gal./min. with ... ft. drawdown after ... hrs.
Artesian flow g.p.m.
temperature of water 52* Depth artesian flow encountered ... ft.

(9) CONSTRUCTION: Special standards: Yes [] No [x]
Well seal—Material used Portland Cement
Well sealed from land surface to 55 ft.
Diameter of well bore to bottom of seal 19 in.
Diameter of well bore below seal 16 in.
Amount of sealing material 70 sacks [x] pounds []
How was cement grout placed? Pumped Down
Was pump installed? no Type ... HP ... Depth ... ft.
Was a drive shoe used? [x] Yes [] No Plugs ... Size: location ... ft.
Did any strata contain unusable water? [] Yes [x] No
Type of Water? depth of strata
Method of sealing strata off
Was well gravel packed? [] Yes [x] No Size of gravel: ...
Gravel placed from ... ft. to ... ft.

(10) LOCATION OF WELL by legal description:
County Deschutes SE 1/4 NE 1/4 of Section 29
Township 19S Range 11E WM.
Tax Lot ... Lot ... Block ... Subdivision ...
MAILING ADDRESS OF WELL (or nearest address) ...

(11) WATER LEVEL of COMPLETED WELL:
Depth at which water was first found 35 ft.
Static level 27 ft. below land surface Date 7-25-85
Artesian pressure lbs. per square inch Date

(12) WELL LOG: Diameter of well below casing 8"
Depth drilled 558 ft. Depth of completed well 558 ft.
Formation: Describe color, texture, grain size and structure of materials and show 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.

Table with columns: MATERIAL, From, To, SWL.
Rows include: Black Lava (340-347), White Pumice (347-352), Coarse Sand (Black) (352-357), Black Lava (357-385), Red Cinders & Clinkers (385-400), Black Sand & Gravel (400-442), Red Cinders (442-448), Brown Sandstone (448-477), Brown Sand (477-484), Hard Basalt (484-487), Broken, Decomposed Rock, W/B (487-489), Hard Basalt (489-512), Broken Rock/Cinder Gravels, W/ (512-556), Hard Basalt (556-558)

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WATER RESOURCES DEPT

SALEM, OREGON /completed 7-25-85
Date well drilling machine moved off of well 7-25 19 85

(unbonded) Water Well Constructor Certification (if applicable):
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
(Signed) Carl Salisbury Date 8-6-19 85

(bonded) Water Well Constructor Certification:
Bond 10596951 Issued by: AMWEST
On behalf of Buckner Pump Service
(type or print name of Water Well Constructor)

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
(Signed) Robert Buckner
(Dated) 8-6-85

NOTICE TO WATER WELL CONSTRUCTOR
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.

SP*46866-690

1011650

WATER SUPPLY WELL REPORT

(as required by ORS 537.765)

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

(START CARD) # 187106

(1) OWNER: Well Number: #14
Name Sunriver Water, L.L.C.
Address P.O. Box 3699
City Sunriver State OR Zip 97707

(2) TYPE OF WORK:
[X] New Well [] Deepening [] Alteration (repair/recondition) [] Abandonment

(3) DRILL METHOD:
[X] Rotary Air [] Rotary Mud [X] Cable [] Auger
[] Other

(4) PROPOSED USE:
[] Domestic [X] Community [] Industrial [] Irrigation
[] Thermal [] Injection [] Livestock [] Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval [] Yes [X] No Depth of Completed Well 555 ft.
Explosives used [] Yes [X] No Type Amount

Table with columns: HOLE Diameter, From, To, SEAL Material, From, To, Amount sacks or pounds. Row 1: 26, 0, 34, Cement Slurry, 0, 34, 132 sacks.

How was seal placed: Method [] A [] B [X] C [] D [] E
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER: Table with columns: Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded. Casing: 22in, +2, 34, .375, [X], [], [X], []. Liner: 18in, 0, 495, .375, [X], [], [X], [].

(7) PERFORATIONS/SCREENS: Table with columns: From, To, Slot size, Number, Diameter, Tele/pipe size, Casing, Liner. Row 1: 395, 495, .093, 18in, pipe, [], [X]. Row 2: 495, 555, .125, 18in, Pipe, [], [X].

(8) WELL TESTS: Minimum testing time is 1 hour
[X] Pump [] Bailor [] Air [] Flowing Artesian
Yield gal/min 2150 Drawdown 10.3 Drill stem at 250 Time 23 Hr.

Temperature of Water 48 Depth Artesian Flow found
Was a water analysis done? [] Yes [] No By whom
Did any strata contain water not suitable for intended use? [] Yes [] No
[] Salty [] Muddy [] Odor [] Colored [] Other
Depth of strata:
RECEIVED SEP 27 2006 WATER RESOURCES DEPT SALEM, OREGON

(9) LOCATION OF WELL by legal description:
County Deschutes Latitude Longitude
Township 20S N or S. Range 11E E or W. of WM.
Section 5 NE 1/4 NE 1/4
Tax lot 101 Lot Block Subdivision
Street Address of Well (or nearest address) 17991 South Century
Dr., Sunriver, OR 97707

(10) STATIC WATER LEVEL:
122 ft. below land surface. Date 9/23/2006
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES: Table with columns: From, To, Estimated Flow Rate, SWL. Row 1: 157, 560, 3000+, 122.

(12) WELL LOG: Table with columns: Material, From, To, SWL. Rows include: Compacted Backfill Large Rock (0-3), Loose Pumice (3-15), Black Sand (15-17), Broken Gray Basalt (17-20), Gray Basalt (20-23), Gray & Brown Basalt (23-28), Very Hard Gray Basalt (28-40), Broken Gray Basalt (40-60), Blue Gray Basalt (60-75), Red Cinder (75-83), Brown Sandstone (83-96), Gray Basalt (96-105), Brown & Gray Basalt (105-157), Vesicular Basalt & Red Cinder WB (157-183), Brown Sandstone (183-187), Broken Brown & Red Basalt WB (187-218), Brown Sandstone (218-242), Hard Gray Basalt (242-248), Broken Fractured Gray & Red Basalt WB (248-259), Soft Red Basalt with Sandstone (259-292), Lenses WB (292-129).

Continued on next page
Date started 4/28/2006 Completed 9/23/2006

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to my best knowledge and belief.
Signed _____ WWC Number _____ Date _____

(bonded) Water Well Constructor Certification:
I accept 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.
Signed Robert Buckner WWC Number 1385 Date 9/24/2006
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STATE OF OREGON
WATER SUPPLY WELL REPORT
 (as required by ORS 537.765)

DESC 57644

WELL ID # L **84233**

(START CARD) # **187106**

Page 2

(1) OWNER:

Well Number: #**14**

Name **Sunriver Water, LLC.**
 Address **P.O. Box 3899**
 City **Sunriver** State **OR** Zip **97707**

(2) TYPE OF WORK:

New Well Deepening Alteration (repair/recondition) Abandonment

(3) DRILL METHOD:

Rotary Air Rotary Mud Cable Auger
 Other

(4) PROPOSED USE:

Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes No Depth of Completed Well _____ ft.
 Explosives used Yes No Type _____ Amount _____

HOLE		SEAL		Amount	
Diameter	From To	Material	From To	sacks or pounds	

How was seal placed: Method A B C D E

Other
 Backfill placed from _____ ft. to _____ ft. Material _____
 Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Material			
				Steel	Plastic	Welded	Threaded
Casing:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

Perforations Method _____
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

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

Pump Bailor Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time

Temperature of Water _____ Depth Artesian Flow found _____
 Was a water analysis done? Yes By whom _____
 Did any strata contain water not suitable for intended use? Yes No
 Salty Muddy Odor Colored Other _____
 Depth of strata: _____

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WATER RESOURCES DEPT
SALEM, OREGON

(9) LOCATION OF WELL by legal description:

County **Deschutes** Latitude _____ Longitude _____
 Township **20S** N or S. Range **11E** E or W. of WM. _____
 Section **5** **NE** 1/4 **NE** 1/4
 Tax lot **101** Lot _____ Block _____ Subdivision _____
 Street Address of Well (or nearest address) **17991 South Century**
Dr., Sunriver, OR 97707

(10) STATIC WATER LEVEL:

_____ ft. below land surface. Date _____
 Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

From	To	Estimated Flow Rate	SWL

(12) WELL LOG:

Material	Ground elevation		
	From	To	SWL
Blue Green Basalt with Tuff	292		
Lenses WB		347	129
Gray Vesicular Basalt WB	347	364	129
Hard Gray Broken Basalt with Cinder Lenses WB	364		
Red Cinders WB		398	129
Soft Brown Sandstone with Pumice Lenses WB	398	406	129
Medium Hard Brown Basalt with Pumice & Tufted Ash Lenses WB	502	502	129
Multi Colored Basalt & Gravel	537	537	129
Highly Porous WB		560	123
Bottom caved back to 540' prior to casing placement. Cleaned back to 555' & lowered casing and screen assembly accordingly.			
WESTERN WATER DEVELOPMENT			
P.O. Box 1670			
Redmond, OR 97756			

Date started **4/28/2006** Completed **9/23/2006**

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to my best knowledge and belief.

WWC Number _____
 Signed _____ Date _____

(bonded) Water Well Constructor Certification:

I accept 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.

WWC Number **1385**
 Signed **Robert Buckner** Date **SEP 27 2006**

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AUG 15 2006

WATER RESOURCES DEPT
 SALEM, OREGON

STATE OF OREGON
WATER WELL REPORT
 (as required by ORS 537.765)

DESC 8484

RECEIVED Well 12
 JAN - 7 1994
 20S/11E/8E
 (START GABD) # 35362 P 6-11598

DEC 27 1993

Page 1 of 2 WATER RESOURCES DEPARTMENT

(1) OWNER: Sunriver Utilities
 Name: Sunriver Utilities
 Address: P.O. Box 3699
 City: Sunriver State: OR Zip: 97707

(2) TYPE OF WORK:
 New Well Deepen Recondition Abandon

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable
 Other

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Other

(5) BORE HOLE CONSTRUCTION:
 Special Construction approval Yes No Depth of Completed Well 307 ft.
 Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			Amount sacks or pounds
Diameter	From	To	Material	From	To	
24	0	82	Cement	0	82	9 yards
19	82	307	---	---	---	243 sacks

How was seal placed: Method A B C D E
 Other

Backfill placed from _____ ft. to _____ ft. Material _____
 Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
20	+1	82	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16	+2.5	307	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:
 Perforations Method Machine
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
207.5	307.5	1/8x3	6080	16	---	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailer Air Flowing Artesian
 Yield gal/min _____ Drawdown _____ Drill stem at _____ Time _____

unmeasurable	1 hr.
--------------	-------

Temperature of Water 55 Depth Artesian Flow Found _____
 Was a water analysis done? Yes By whom _____
 Did any strata contain water not suitable for intended use? Yes No
 Salty Muddy Odor Colored Other _____
 Depth of strata: _____

(9) LOCATION OF WELL by legal description:
 County Deschutes Latitude _____ Longitude _____
 Township 20 S N or S. Range 11 E E or W. WM. _____
 Section 8 NW 1/4 NW 1/4
 Tax Lot Unknown Lot _____ Block _____ Subdivision _____
 Street Address of Well (or nearest address) Intersection of Spring River Road & Huntington

(10) STATIC WATER LEVEL:
 8.4 ft. below land surface. Date 12/9/93
 Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
 Depth at which water was first found 4

From	To	Estimated Flow Rate	SWL
147	153	N/A	8.4
159	166	N/A	8.4
179	186	N/A	8.4
206	214	N/A	8.4

(12) WELL LOG:
 Ground elevation _____

Material	From	To	SWL
Sandy dirt	0	2	
Sand and gravel	2	6	4
Silty clay green brown	6	20	
Silty sand black	20	32	4
Lava black broken	32	37	
Lava black very hard	37	50	
Lava green pourous	50	52	
Lava black hard	52	79	
Lava weathered with clay streaks	79	85	
Lava gray hard	85	92	
Lava red broken	92	99	
Lava brown medium	99	101	
Lava brown hard	101	112	
Lava brown and red broken	112	116	
Lava gray medium	116	131	
Lava gray hard	131	147	
Lava red fractured with clay WB	147	153	
Lava gray medium	153	159	
Lava red fractured pourous WB	159	166	
Lava gray medium	166	179	

CONTINUED
 Date started _____ Completed _____
 (unbonded) Water Well Constructor Certification:
 I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Material used and information reported above are true to my best knowledge and belief.
 Signed *Robert Knuts* WWC Number 1523
 Date 12/16/93

(bonded) Water Well Constructor Certification:
 I accept 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 well construction standards. This report is true to the best of my knowledge and belief.
 Signed *[Signature]* WWC Number 723
 Date 12/16/93

STATE OF OREGON
WATER WELL REPORT
 (as required by ORS 537.765)

DESC
 8484

RECEIVED

205/11/84

JAN - 7 1994

(START CARD) # 35362

WATER RESOURCES DEPT.

(1) OWNER:

Name Sunriver Utilities Well Number _____
 Address P.O. Box 3699
 City Sunriver State OR Zip 97707

(2) TYPE OF WORK:

New Well Deepen Recondition Abandon

(3) DRILL METHOD:

Rotary Air Rotary Mud Cable
 Other _____

(4) PROPOSED USE:

Domestic Community Industrial Irrigation
 Thermal Injection Other _____

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes No Depth of Completed Well _____ ft.
 Explosives used Yes No Type _____ Amount _____

HOLE Diameter	From		To	Material	SEAL From		To	Amount sacks or pounds

How was seal placed: Method A B C D E
 Other _____

Backfill placed from _____ ft. to _____ ft. Material _____
 Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Material			
				Steel	Plastic	Welded	Threaded
Casing:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

Perforations Method _____
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

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

Pump Bailer Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
			1 hr.

Temperature of Water _____ Depth Artesian 116 10 2013
 Was a water analysis done? Yes By whom _____
 Did any strata contain water not suitable for irrigation?
 Salty Muddy Odor Colored _____
 Depth of strata: _____

(9) LOCATION OF WELL by legal description:

Salem, Oregon
 County Deschutes Latitude _____ Longitude _____
 Township 20 S N or S. Range 11 E E or W. WM.
 Section 8 NW $\frac{1}{4}$ NW $\frac{1}{4}$
 Tax Lot Unknown Lot _____ Block _____ Subdivision _____
 Street Address of Well (or nearest address) Intersection of Spring River Road & Huntington

(10) STATIC WATER LEVEL:

_____ ft. below land surface. Date _____
 Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found _____

From	To	Estimated Flow Rate	SWL
249	307	N/A	8.4

(12) WELL LOG:

Ground elevation _____

Material	From	To	SWL
Lava red fractured pourous	179	186	
Lava gray medium hard	186	206	
Lava gray medium hard			
Lava green gray & red very broken pourous	206		
		214	
Lava gray medium	214	219	
Lava red fractured	219	221	
Lava gray hard	221	234	
Lava gray fractured pourous	234	249	
Pumice brown & gray	249	307	

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DEC 27 1993

WATER RESOURCES DEPT.
 SALEM, OREGON

Date started 11/09/93 Completed 12/14/93

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Material used and information reported above are true to my best knowledge and belief.

Signed [Signature]

WWC Number 1523
 Date 12/16/93

(bonded) Water Well Constructor Certification:

I accept 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 well construction standards. This report is true to the best of my knowledge and belief.

Signed [Signature]

WWC Number 723
 Date 12/16/93