

July 2, 1996

WATER  
RESOURCES  
DEPARTMENT

*en*

Floyd Sippel  
Sippel Well Drilling, Inc.  
7195 Lawnridge Street NE  
Keizer, OR 97303

Dear Floyd:

The Water Resources Department has received your request for special standards on the Kuenzi Turf well located in Township 7S, Range 2W, Section 27 of Marion County (start card number 84697).

You are proposing to abandon the bottom of this well to approximately 180 feet below land surface. The casing will then be perforated from 95 to 140 feet so that water may be utilized from the upper aquifer system.

The above partial abandonment will effectively seal off the undesired lower aquifer system. Your request is therefore approved. If you have any questions concerning this letter, please contact me by phone at (541) 396-3121 x388, by fax at (541) 396-6233 or by letter at 290 N Central Street, Coquille, OR 97423.

Sincerely,



Rob Carter  
Well Construction Specialist

cc: Richard Edwards, Well Inspector

c:\wp\as96\kuenzi



**FAX TRANSMISSION**DATE: 6-30 TIME: 11:10 PM

# PAGES:

4TO: Rob CarterFROM: Sippel Well Drilling Inc.LOCATION: CogvilleLOCATION: KeizerFAX#: 541-396-6233FAX#: 390 7088MESSAGE: Rob - I'm includingPHONE#: 390 2541Original Well logs Thanks for your help.**Water Resources Department**

REQUEST FOR WRITTEN APPROVAL TO USE CONSTRUCTION METHODS NOT INCLUDED IN OREGON ADMINISTRATIVE RULES 690-200 THROUGH 690-240

Before request can be considered, the following must be answered.

Requests shall be submitted to the Well Construction Specialist, Water Resources Department, 3850 Portland Road NE, Salem, OR 97310. Requests may also be considered by the appropriate Regional Manager.

Date of request: 6-28-96

Bonded Well Constructor (or permitted land owner): \_\_\_\_\_

Sippel Well Drilling Inc.

(1) Location of Well: SW 1/4 SW 1/4 of Section 27  
Township 7-S, Range 2-W, Marion County.  
Address at well site: 6845 State St.  
Salem OR.

(2) Name and Address of Land Owner: Kuenzi Turf  
6500 State St. Salem OR, 97310

(3) The distance to the nearest well, septic tank or drainfield:  
100+ ft.

(4) The unusual conditions existing at the site: bottom part  
of hole caved in

(5) The proposed construction methods that the well constructor believes will be adequate for this well.

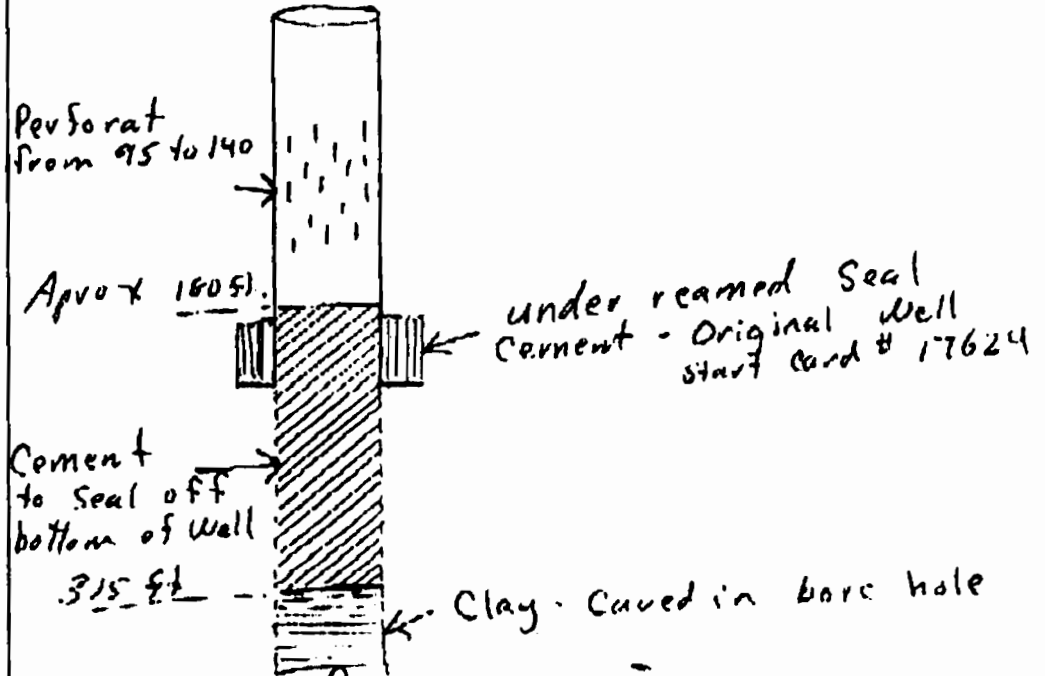
Pump cement from bottom up, from  
315 ft., top of cave in to 180 ft.  
8 ft. inside 8 inch casing

w-ap  
remark - abend bottom of well

(6) Start Card #:

84697

(7) Diagram showing the pertinent features of the proposed well design and construction:



Signed:

Floyd R. Jipper

**PLEASE NOTE:**

- (1) If approved, all other phases of well construction must comply with the appropriate standards described in OAR 690-200 through 690-240.
- (2) If it should be determined at some future date that the well, due to its construction, is allowing groundwater contamination, waste or loss of artesian pressure, the above signed shall return to the site and rectify the problem.

For Water Resources Department Use Only

Date:

7-2-96

Approved by:

[Signature]

Denied by:

Remarks:

STATE OF OREGON  
WATER WELL REPORT  
(as required by ORS 537.766)

(START CARD) # 23993

(1) OWNER: CLARENCE CLETONA Well Number \_\_\_\_\_  
Name \_\_\_\_\_  
Address 6845 State Street  
City Salem State Oregon Zip 97301

(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  No  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_  
Depth of Completed Well 373 ft.

HOLE SEAL Amount  
77778 194 373 Material From To sacks or pounds  
Well Deepened Surface Seal Not Disturbed.

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  
Casing \_\_\_\_\_  
Liner \_\_\_\_\_

Final location of shaft \_\_\_\_\_

(7) PERFORATIONS/SCREENS:  
 Perforations Method \_\_\_\_\_  
 Screens Type \_\_\_\_\_ Material \_\_\_\_\_

From To Slot size Number Diameter Tele/pipe size Casing Liner

(8) WELL TESTS: Minimum testing time is 1 hour  
 Pump  Boiler  XICK Air  Flaming Artesian  
Yield gal/min Drawdown Drift stem at Time  
15 \_\_\_\_\_ 370 ft 1 hr

Temperature of water 51° Depth Artesian Flow Found \_\_\_\_\_  
Was a water analysis done?  Yes By whom \_\_\_\_\_  
Did any areas contain water not suitable for intended use?  True little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
Depth of strata \_\_\_\_\_

(9) LOCATION OF WELL by legal description:  
County Marion Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township 7 South Range 2 West E. of W. 4th  
Section 27 SW SW  
Tax lot \_\_\_\_\_ Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
City Address of Well for nearest address 6845 State Street Salem, Oregon

(10) STATIC WATER LEVEL:  
69 ft below land surface Date 2-15-91  
Artesian pressure \_\_\_\_\_ lb. per square inch Date \_\_\_\_\_

(11) WATER BEARING ZONES:  
Depth at which water was first found 202 feet

From	To	Estimated Flow Rate	SWI
202 Ft	352 Ft	15 GPM	49'

(12) WELL LOG: Ground elevation \_\_\_\_\_

Material	From	To	SWI
Black Basalt	194	202	
Black & weathered Basalt			
Broken	202	221	
Badly weathered Vesicular Basalt, with Multi-Colored Clays & Claystones, with Interbedded Layers of Gray & Brown Soft Clays	221	352	
Gray Sandy Claystones	352	373	49'

Date started 2-14-91 Completed 2-15-91

(unbonded) Water Well Constructor Certification:  
I certify that the work I performed on the construction, alteration, abandonment of this well is in compliance with Oregon well construct standards. Materials used and information reported above are true to my 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. work performed during this time is in compliance with Oregon v construction standards. This report is true to the best of my knowledge & belief. BORDERS DRILLING, INC. WWC Number 1325  
Signed D Meadows Date 2-15-91

PHONE No. :

From :

(START CARD) 17624

STATE OF OREGON  
WATER WELL REPORT  
(Regulated by ORR 527.7001)

(1) OWNER: Well Number:  
Name Clarence Gistema  
Address 6845 State St.  
City Salem State OR Zip 97301

(2) TYPE OF WORK:  
 New Well  Deepen  Rehabilitation  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 194 ft.  
Explosives used Yes  No  Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE		SEAL		Amount
Diameter	From To	Material	From To	in sacks or pounds
12	0 36	Cement	0 36	2 1/2 bentonite
8	36 179			
10	179 188.5	Cement	179 188.5	7 Sacks
8	188.5 194			

How was seal placed: Method  A  B  C  D  E  
 Other Under reamed from 179 - 188.5

Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Size of gravel \_\_\_\_\_

(6) CASING/LINER:

Casing/Liner	Diameter	From To	Gauge	Material			
				Steel	Plastic	Welded	Threaded
Casing	8"	0 179	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shaft 188.5

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Number	Diameter	Telepipe 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"/>
						<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  Hoist  Air  Flowing Artesian  
Yield gal/min \_\_\_\_\_ Drawdown \_\_\_\_\_ Drift/min at \_\_\_\_\_ Time \_\_\_\_\_  
No test well will be deepened with Rotary 1 hr.

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?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
Depth of strata: \_\_\_\_\_

(9) LOCATION OF WELL by legal description:  
County Marion Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township 7-5 Nor S. Range 2-W E or W. WM. \_\_\_\_\_  
Section 27 SW W. SW W. \_\_\_\_\_  
Tax Lot \_\_\_\_\_ Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) 6845 State St.  
Salem Oregon

(10) STATIC WATER LEVEL:  
\_\_\_\_\_ ft. below land surface. Date \_\_\_\_\_  
Artesian pressure \_\_\_\_\_ ft. per square inch. Date \_\_\_\_\_

(11) WATER BEARING ZONES:

Depth at which water was first found \_\_\_\_\_

From	To	Estimated Flow Rate	SWL
45	137	Cased off	42

(12) WELL LOG: Ground elevation \_\_\_\_\_

Material	From	To	SWL
Soil	0	3	
Brown Clay	3	6	
Silty brown clay	6	10	
Sticky brown clay	10	23	
Tan clay & some gravel	23	40	
Sandy brown clay & gravel	40	55	42
Gravel with clay binder	55	76	42
Small gravel with clay	76	79	42
Large gravel lots of clay	79	85	42
Sand & gravel with clay	85	95	42
Loose sand & gravel	95	97	42
Tight gravel & clay	97	120	
Loose gravel	120	123	45
Clay & gravel w/ loose seams	123	137	42
Weathered rock	137	143	
Decomposed weathered rock	143	183	
Hard black basalt	183	194	

Well was under-reamed & casing driven into hard rock. Well to be deepened at a later date.

Date started 12-18-90 Completed 2-5-91

(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. Materials used and information reported above are true to my best knowledge and belief.  
WVC 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 well construction standards. This report is true to the best of my knowledge and belief.  
WVC Number 1273  
Signed Floyd R. Jippe Date 2-7-91