# **Revisions Requested**

From

Reverse Rotary X Other BACKHOE

Owner Well I.D. Last Name TE VELDE

Plstc Wid Thrd

Special Standard

C

SEAL.

From

0

Material

Amount

Actual Amount

Gauge

Location of shoe(s)

Material

Drill stem/Pump depth Duration (hr)

Slot

length

Scrn/slot

width

To

# of

slots

O Flowing Artesian

Amount

Tele/

pipe size

Stl

Calculated 

Deepening

Amt sacks/lbs

Stl

()  $\odot$ 

Domestic Irrigation Community

CA

Gauge

Τo

ft.

Material

A

B

ft.

ft. Material

To

Other

To

⊖ Air

Yes (describe below) TDS amount

Description

°F Lab analysis Yes By

From\_

Bentonite

Method

ft. to

+ From

Outside

Dia

From

Perforations Method Screens Type

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

O Bailer

Drawdown

\_ ft. to

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

State X New Well

Alteration (complete 2a & 10)

Rotary Air Rotary Mud Cable Auger Cable Mud

To

From

Industrial/ Commericial Livestock X Dewatering Thermal Injection X Other CONSTRUCTION

(1) LAND OWNER

(2) TYPE OF WORK

(4) PROPOSED USE

(2a) PRE-ALTERATION

Company WILLOW CREEK DAIRY Address 5850 AVENUE 160

(5) BORE HOLE CONSTRUCTION

Depth of Completed Well 33.00

То

23

33

Dia

BORE HOLE

From

0

23

Other POURED BENTONITE

Explosives used: Yes Type\_

Inside

Dia

(7) PERFORATIONS/SCREENS

Perf/ Casing/ Screen

Yield gal/min

Water quality concerns?

Temperature 56

rom

Screen Liner

O Pump

How was seal placed:

Backfill placed from \_\_\_\_

Filter pack from \_\_\_\_

Proposed Amount

(6) CASING/LINER

Shoe Temp casing Yes

Casing Liner

Material

First Name GREG

City TIPTON

Casing:

Seal: (3) DRILL METHOD

Dia

72

60

\_\_\_\_\_

## MOR

	IORR	2 52	389						Page 1 of 2	
				WELL I	.D. LABEI	_# <b>L</b> _117	309			
				STA	RT CARD	# 102	9964	-		
				ORIGI	NAL LOG	;#				
						m	ORR	57	289	
DE		-	(9) LOCAT	ION OF W	ELL (leg	al desci	iption)		-001	
		-	County MORRO				-	.00 E	E/W WM	
	. <u></u>	- 1	Sec 16							
93272	<u> </u>		Tax Map Numb	ег			-			
ng	Conversio		T ot O	1 1	'or				DMS or DD	
bandonm	ent(comple	ete 5a)	Long°_	······	' or				DMS or DD	
wid 1	Thrd		C Street address of well ( Nearest address							
			WEST OF POI	LELINE RD A	ND HOMES	TEAD L	N IN BOA	RDM	AN.	
s/lbs										
				CINATED	TEXCOL					
			(10) STATI	L WAIER		Date 9	SWL(psi)	+	SWL(ft)	
Cable Mud			Existing W	ell / Pre-Altera	-	<u> </u>		Π <b>Γ</b>	541(11)	
			Completed		11/1/2	016			22	
	—						)ry Hole?			
Comr	nunity			Flowin	g Artesian?[	L	ry noie?			
	nunity		WATER BEARI				vas first fo		2.00	
Comr	nunity		WATER BEARI	ING ZONES	- L Dept	h water w	as first for	und 22		
N			SWL Date	ING ZONES From	Dept To	h water w Est Flov	as first for	und 22	- SWL(ft)	
N	nunity	h copy)		ING ZONES	- L Dept	h water w	as first for	und 22		
N Standard			SWL Date	ING ZONES From	Dept To	h water w Est Flov	as first for	und 22	- SWL(ft)	
N Standard L		h copy) sacks/ lbs	SWL Date	ING ZONES From	Dept To	h water w Est Flov	as first for	und 22	- SWL(ft)	
N Standard	l (Attac	sacks/	SWL Date	ING ZONES From	Dept To	h water w Est Flov	as first for	und 22	- SWL(ft)	
I Standard	I (Attac	sacks/	SWL Date	ING ZONES From	Dept To	h water w Est Flov	as first for	und 22	- SWL(ft)	
tandarc T 23	I (Attac	sacks/	SWL Date	ING ZONES From 22	Dept To	h water w Est Flow	as first for	und 22	- SWL(ft)	

	(11) WELL LOG Ground Elevation		
	Material	From	То
	silty loam	0	22
	slty sand	22	25
Size	silty loam	25	33
FONITE			
Plstc Wld Thrd	RECEIVED BY OWR	)	
	NOV 0.7 2016		
De(s) To	SALEM, OF		
# of Tele/	Date Started3/23/2016 Completed	1 11/1/2016	

(unbonded) Water Well Constructor Certification

I certify that the work I performed on the construction, deepening, 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
the best of my knowledge and belief.
License Number Date

Г		

Signed

(bonded) Water Well Constructor Certification

	D. to a set of the set
construction standards.	This report is true to the best of my knowledge and belief.
performed during this	time is in compliance with Oregon water supply wel
-	well during the construction dates reported above. All work
	for the construction, deepening, alteration, or abandonmen

License Number 1766

Date 11/4/2016

Signed BRANDON C BROWN (E-filed) Contact Info (optional)

**ORIGINAL - WATER RESOURCES DEPARTMENT** 

Units

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK Form Version:

### WATER SUPPLY WELL REPORT -

То

From

То

Material

#### continuation page

+

BORE HOLE

From

То

Material

(2a) PRE-ALTERATION

From

.

Dia

Dia

.

# **MORR 52389** WELL I.D. LABEL# L 117309 START CARD # 1029964 **ORIGINAL LOG #** Water Quality Concerns Gauge Stl Pistc Wld Thrd Amount Units From То Description Amt sacks/lbs (10) STATIC WATER LEVEL (5) BORE HOLE CONSTRUCTION SWL Date Est Flow SWL(psi) + SWL(ft) From То SEAL sacks/ From To Amt lbs Calculated Calculated Calculated Calculated (11) WELL LOG Size Material From То RECEIVED BY OWRD NOV 07 2016 SALEM, OR

#### **Comments/Remarks**

#### 60" hole was excavated to 33'.

solid base plate and 48" man hole rings were placed and back filled around as the came up.

Trenches and collector pipes where dug and set into place/tied into sump. Seal was placed during back fill process up to finished grade.

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
}	+		
· · · · · · · · · · · · · · · · · · ·			
L		1	

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

## (6) CASING/LINER

From

FILTER PACK

То

Material

ι +	From	То	Gauge	Stl	Pistc '	Wld	Thrd
			- <u>-</u>	$\square$	Ο		
				Q	Q		
┥┝╉				R	-9	H	Н
┥╞╉			-+	X	-H	H	H
				Q	Ŏ		
ᅴ片				R	<u> </u>		
┥┢╉				X	B	Η	Н
		+ From	+ From To	+ From To Gauge	+ From To Gauge Stl	+ From To Gauge Stl Piste	+ From To Gauge Stl Pistc Wid

#### (7) PERFORATIONS/SCREENS

	Casing/ Liner	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
		 	·····				

Page 2 of 2





. **MORR 52389** I 400 cy Gravel 411 . 14" 41 - 22" -RECEIVED BY OWRD NOV 07 2016 SALEM, OR



Water Resources Department North Mall Office Building 725 Summer St NE, Suite A Salem, OR 97301 Phone (503) 986-0900 Fax (503) 986-0904 www.wrd.state.or.us

March 25, 2016

BRANDON C BROWN WWC #1766 WATER WELL DEVELOPING & SURVEYS PO BOX 156 UMATILLA, OREGON 97882

## FINAL ORDER

Dear Mr. Brown:

The Special Standards Request Form you submitted for owner: Willow Creek Dairy - Greg Te Velde, Start Card number 1029964, is hereby approved for the following: You may construct this dewatering well as you described on your Special Standards Request Form and as shown graphically on the attached drawing. A copy of your Special Standards Request Form is enclosed. All other standards must be adhered to.

Verbal approval of this Special Standards Request was provided on March 11, 2016.

The Well Construction Standards serve to protect ground water resources. By approving and issuing this special construction standard the Oregon Water Resources Department is not representing that a well constructed in accordance with this condition will maintain structural integrity or that it meets engineering standards. The well constructor/or landowner is responsible for ensuring that a well is constructed in a manner that protects ground water resources as required under Oregon Administrative Rules 690-200 through 690-240.

If you have any questions concerning this letter, I may be contacted at (503) 986-0852, or by e-mail at Joel.W.Jeffery@wrd.state.or.us.

Sincerely, Joel Jeffery, Coordinator

Well Construction Program Well Construction and Compliance Section

Enclosure

**RECEIVED BY OWRD** 

NOV 07 2016

SALEM, OR

cc: Erik A. Thomasser, Well Inspector, Field Services Division, North Central Region File

This is a final order in other than contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60 day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080 you may either petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.



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Oregon Water Resources Department 725 Summer Street NE, Suite A Salem Oregon 97301-1266 (503) 986-0900 www.wrd.state.or.us

# **Special Standards**

**Request Form** 

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

Before the request can be considered, this form must be completed. Requests shall be submitted to the Well Construction Program Coordinator, Water Resources Department, 725 Summer Street NE, Suite A, Salem OR 97301-1266. Requests may also be considered by the appropriate Regional Manager.

te of request:3/17/16		Oral ap	proval d	late (if app					
nded Well Constructor (name,			, license #	, and m				ailing add	
			1	766, p.o.box	156, Um	atilla OR 97	882		
)	Location of	Well: _	nw	1/4s	<u>w 1</u> /	4 Tax lot	500	Section	,
	Township _	3	N	, Range	26	<u> </u>		Morrow	County
	Address at v	vell site	e:	2 mile	s West of	poleline rd.	.5 mile sou	th of homestead	<u>i ln.</u>
)	Start Card N	lumber	(s)(for	work to be	done):		1	029964	
	Name and A	ddress	of Lan	d Owner:		Willow	creek dairy	- Greg Te Veld	<u>e</u>
	<u></u>			5850	ave 160, 7	Tipton CA 93	3272		
	Distance to	the nea	rest ser	ptic tank, d	rainfield	l, closed se	ewage line	e (if water su	pply well)
					.5 ו	nile			
	The unusual	site co	ndition	is which no	ecessitat	e this requ	est:	Sediments dee	p in the
		alluv	ial layer	are too fine	to permit	water to tran	sfer throug	h efficiently.	<u></u>
	<b></b>		<u></u>	<u></u>			-		·····
	The propose adequate for							ctor believes	will be
				A	ttached w	ith drawing		RECEIV	ed by owf
	**************************************				R	ECEIVED	B <del>Y OW</del>	RD MAI	2 2 3 2016

(7) Diagram showing the pertinent features of the proposed well design and construction: (attach additional pages if needed)

# RECEIVED BY OWRD

NOV 07 2016

SALEM, OR

## PLEASE NOTE:

- (1) The Well Construction Standards serve to protect ground water resources. By approving and issuing this special construction standard the Oregon Water Resources Department is not representing that a well constructed in accordance with this condition will maintain structural integrity or that it meets engineering standards. The well constructor/or landowner is responsible for ensuring that a well is constructed in a manner that protects ground water resources as required under Oregon Administrative Rules 690-200 through 690-240.
- (2) If it should be determined at some future date that the well, due to its construction, is allowing ground water contamination, waste or loss of artesian pressure, the undersigned shall return to the site and rectify the problem.
- (3) If oral approval was granted, a written request must be submitted to the Department either within three (3) working days of the date of oral approval or prior to the completion of the associated well work. Failure to submit a written request as described above may void prior oral approval.

I have read and understand the above information. I further attest that the information provided is accurate to the best of my knowledge.

Bonded Constructor Signature: _	BAS
Bonded Constructor Signature: _	

MAR 23 2015

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SALEM

### Vert Pipe

- 48" cement tile manhole rings
  - Finished 2-4' above grade
  - Min 8" of bentonite for annular seal (8" annular radius) from geotextile to land surface (appropriately placed)
  - Set into concrete (concrete closed base)
  - o 2x12-14"OD perforated collector pipes set into vert. pipe
  - o ID tag (appropriately attached)
  - o Bead weld "water well" onto lid

**Collector pipes and trenches** 

- 2 trenches: 2'w x 1600'l x (11-13'd)
  - Constructed from the bottom to the top as per the following:
    - 4″ ¾ gravel
    - 14"od perf HDPE collectors with 4" ¼ gravel on the sides
    - 1' of ¾ gravel
    - Geotextile (fitter fabric)
    - Compacted native fill
  - o Drawing attached

Trench

11' deep



ð



Vest Pipe

+ 48" cement-tile manhale ringe · finitud 2-4' above grade nim 8° af hentonite for annular real (8° annular radius)
to long runface (appropriately placed)
set into concrete (concrete closed base) · 2× 12/14"OD perforated collector piper set into vert. · 6 × ballacte min 2' from vert. pipe · ID Tag (appropriately attached) · Bead weld "Water Well" onto lid Collector Piper & henches

\* 2 × Junelee: 2 × 1600 × (11-13') Deep constructed from the bottom to the top or per the following: Biden Vert pipe Turnel There 4" 3/4- gravel 14" OD plant. HDPE collectors w/ 4" of 3/4- gravel on the sides 1' of 3/4- gravel gootestile (fitter fabric) compacted native fill

Norrive FIL (compace) NOV 07 2016 SALEM. OF NOV 07 2016 SALEM. OF