

DOUGLAS A. DUCEY  
Governor



THOMAS BUSCHATZKE  
Director

**ARIZONA DEPARTMENT of WATER RESOURCES**

1110 West Washington Street, Suite 310  
Phoenix, Arizona 85007  
602.771.8500  
azwater.gov

August 16, 2016

D Kuiper Dairy, LLC  
Attn: Darrel Kuiper  
13802 S. Airport Rd.  
Buckeye, AZ 85354

RE: Non-Exempt Well Permit No. T-224811  
Well Registration No. 55-224811; File No. B (01-06) 05 CBD

Dear Permittee:

Due to a clerical error, the permit that was issued on June 19<sup>th</sup>, 2015, reflects the incorrect permit number. Please disregard permit No. T-224188 as it is the incorrect number for your permit. The correct permit number is T-224811.

If you have any questions or require any administrative correction, please contact Jacob Nelson at 602-771-8427.

Sincerely,

A handwritten signature in black ink that reads "Jacob Nelson". The signature is written in a cursive style.

Jacob Nelson  
Groundwater Permitting and Wells Section

Enclosures



**ARIZONA DEPARTMENT OF WATER RESOURCES**

**NON-EXEMPT WELL PERMIT**

**PURSUANT TO A.R.S. §§ 45-598 AND 45-599**

PERMIT NO. T-224811.

STATE OF ARIZONA                    )  
  ) ss.  
COUNTY OF MARICOPA            )

This is to certify that Application No. T-224188 meets the requirements of A.R.S. §§ 45-598 and 45-599 for the construction of a new well. The Director hereby grants authority to the Permittee to construct and operate a non-exempt well, subject to the following limitations and conditions:

**Permit Limitations**

Permittee:                               D Kuiper Dairy, LLC  
  13802 S. Airport Rd.  
  Buckeye, AZ 85354

Well Registration Number:       55-224811                   File No. B (1-6) 5 CBD

Active Management Area:       PHOENIX

Sub-basin:                             HASSAYAMPA

Well Location:                    The SE ¼ of the NW ¼ of the SW ¼ of Section 5, Township 1  
(North), Range 6 (West) of the GSRB&M

Depth:                               1000 ft.  
Casing Material:                 STEEL  
Casing Diameter:                16 inches

Maximum Pumping Capacity:    500 gallons per minute

PERMIT NO. T-224811

Maximum Annual Volume: 121 acre-feet

Authorized Place of Use for Groundwater Withdrawn: As Authorized by Right No. 58-104162.0001

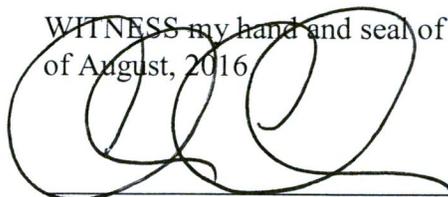
Authorized Use of Groundwater: As Authorized by Right No. 58-104162.0001

Latest Date for Completing Well: May 21<sup>st</sup>, 2015

**Permit Conditions**

1. If the permitted well is not completed on or before May 21<sup>st</sup>, 2015, the Permittee will be required to file a new application, and secure a new permit before proceeding with construction.
2. This permit is issued pursuant to A.R.S. § 45-599 and authorizes the permittee to construct a new well or a replacement well in a new location for the purpose of withdrawing groundwater for the use or uses set forth in the permit. This permit does not authorize the permittee to withdraw surface water from the well. If the permittee withdraws surface water from the well in any year, the permittee shall do so only pursuant to a decreed or appropriative surface water right and shall separately report in the annual report filed pursuant to A.R.S. § 45-632 the amount of groundwater and surface water withdrawn from the well.
3. The permittee shall monitor withdrawals of groundwater and shall report the total amount of groundwater withdrawn on an Annual Water Withdrawal and Use Report. The first annual reporting period shall be from the date of issuance of this permit through December 31, 2015. Subsequent annual reporting periods shall be from January 1 through December 31.
4. The proposed well shall be constructed in accordance with the minimum well construction standards, pursuant to A.A.C. R12-15-811.
5. The issuance of the permit does not waive any federal, state, county or local government ordinances, regulations or permits for which the facility may have to comply.

WITNESS my hand and seal of office this 16<sup>th</sup> day  
of August, 2016



Clint Chandler, Assistant Director,  
Water Planning & Permitting Division



PERMIT NO. T-223506

Depth: 1000 ft.  
Casing Material: STEEL  
Casing Diameter: 16 inches

Maximum Pumping Capacity: 500 gallons per minute

Maximum Annual Volume: 121 acre-feet

Authorized Place of Use for  
Groundwater Withdrawn: As Authorized by Right No. 58-104162.0001

Authorized Use of Groundwater: As Authorized by Right No. 58-104162.0001

Latest Date for Completing Well: May 21<sup>st</sup>, 2015

**Permit Conditions**

1. If the permitted well is not completed on or before May 21<sup>st</sup>, 2015, the Permittee will be required to file a new application, and secure a new permit before proceeding with construction.
2. This permit is issued pursuant to A.R.S. § 45-599 and authorizes the permittee to construct a new well or a replacement well in a new location for the purpose of withdrawing groundwater for the use or uses set forth in the permit. This permit does not authorize the permittee to withdraw surface water from the well. If the permittee withdraws surface water from the well in any year, the permittee shall do so only pursuant to a decreed or appropriative surface water right and shall separately report in the annual report filed pursuant to A.R.S. § 45-632 the amount of groundwater and surface water withdrawn from the well.
3. The permittee shall monitor withdrawals of groundwater and shall report the total amount of groundwater withdrawn on an Annual Water Withdrawal and Use Report. The first annual reporting period shall be from the date of issuance of this permit through December 31, 2015. Subsequent annual reporting periods shall be from January 1 through December 31.

PERMIT NO. T-223506

4. The proposed well shall be constructed in accordance with the minimum well construction standards, pursuant to A.A.C. R12-15-811.
5. The issuance of the permit does not waive any federal, state, county or local government ordinances, regulations or permits for which the facility may have to comply.

WITNESS my hand and seal of office this 19<sup>th</sup> day  
of June, 2015.



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Michael J. Johnson, Ph.D, P.E.  
Assistant Director

**DOUGLAS A. DUCEY**  
Governor



**THOMAS BUSCHATZKE**  
Director

**ARIZONA DEPARTMENT of WATER RESOURCES**  
3550 North Central Avenue, Second Floor  
Phoenix, Arizona 85012-2105  
602.771.8500  
azwater.gov

August 28, 2014

D Kuiper Dairy, LLC  
Attn: Darrel Kuiper  
13802 S. Airport Rd.  
Buckeye, AZ 85354

RE: Non-Exempt Well Permit No. T-224811  
Well Registration No. 55-224811; File No. B (01-06) 05 CBD

Dear Permittee:

Your permit for the construction and operation of the above-referenced well is enclosed. The authority to drill and operate this well is granted on the condition that all applicable provisions of the Groundwater Code are met.

In the event the location of the proposed well changes, you must notify the Department of the change in writing. A drill card with the correct proposed well location must be in the possession of the driller before drilling may commence.

Within 30 days of completion of the well, the well driller is required to furnish the Department with a complete and accurate log of the well. In addition, the well owner is required to submit a Completion Report (DWR 55-56) within 30 days of the installation of pump equipment. Forms may be obtained by contacting the Department of online at <http://www.azwater.gov>

Pursuant to the provisions of A.R.S. § 45-604, any person withdrawing groundwater from a well is required to use a water measuring device to record rates of withdrawal in order to provide or allow the computation of an annual volume of pumpage from the well. The total volume of pumpage from the well shall be reported on your Annual Water Withdrawal and Use Report for this calendar year. Subsequent annual reporting periods shall be from January 1 through December 31.

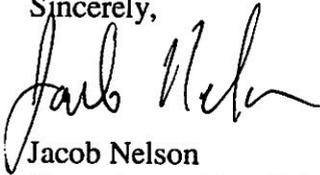
The Department has issued the authorization to drill and operate this well pursuant to A.R.S. §§ 45-598 and 45-599 of the Groundwater Code. The legal nature of the water withdrawn from the well may be the subject of court action in the future as part of a determination of surface water rights in your area. If there are court proceedings that could affect your well, you will be notified and be given the opportunity to participate.

Under A.R.S. § 45-593, the person to whom a well is registered must notify the Department of a change in ownership, physical characteristics or any other data about the well in order to keep the well registration records current and accurate. Forms may be obtained by contacting the Department of online at <http://www.azwater.gov>

Your permit has been issued by this Department without a hearing. As such, it is an appealable agency action. You are entitled to appeal and your rights are described in the enclosed notice of right to appeal.

If you have any questions or require any administrative correction, please contact Jacob Nelson at 602-771-8427.

Sincerely,

A handwritten signature in black ink, appearing to read "Jacob Nelson". The signature is written in a cursive style with a large initial "J".

Jacob Nelson  
Groundwater Permitting and Wells Section

Enclosures

ARIZONA DEPARTMENT OF WATER RESOURCES  
WATER MANAGEMENT DIVISION  
3550 N. Central Avenue, Phoenix Arizona 85012

**THIS AUTHORIZATION SHALL BE IN THE POSSESSION OF THE DRILLER DURING ALL DRILL OPERATIONS**

WELL REGISTRATION NO: 55-224811

PERMIT NO.: T-224811

AUTHORIZED DRILLER: John Hoover Well Service

LICENSE NO.: 77

**A PERMIT TO DRILL A NON-EXEMPT WELL INSIDE THE PHOENIX ACTIVE MANAGEMENT AREA HAS BEEN GRANTED TO:**

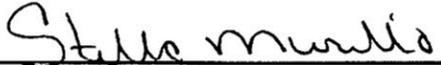
WELL OWNER: D. Kuiper Dairy, LLC 13802 S. Airport Rd. Buckeye, AZ 85354

The well is to be located in the:

SE $\frac{1}{4}$  of the NW $\frac{1}{4}$  of the SW $\frac{1}{4}$  of Section 5, Township 1 (North), Range 6 (West)

No. of well(s) in this project: 1

**THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE 21<sup>st</sup> DAY OF May, 2016**

  
\_\_\_\_\_  
WATER MANAGEMENT DIVISION

**THE DRILLER MUST FILE A LOG OF THE WELL  
WITHIN 30 DAYS OF COMPLETION OF DRILLING**



**IPR SUMMARY REVIEW MEMORANDUM**

Jacob Nelson, Groundwater Permitting and Wells Unit  
June 17, 2015

**APPLICANT:** D Kuiper Dairy, LLC  
**APPLICATION NO:** Permit No. T-224811, Well No. 55-224811  
**APPLICATION TYPE:** Application for Permit to Drill or Operate a Non-Exempt Well Within An Active Management Area

**Summary of the facts:** D Kuiper Dairy, LLC has filed an *Application for a Permit to Drill or Operate a Non-Exempt Well Within An Active Management Area* Pursuant to A.R.S § 45-599 on May 22, 2015. D Kuiper Dairy, LLC is requesting an annual allotment of 121 acre-feet per annum. The claim of entitlement to withdraw groundwater is based upon Certificate of Grandfathered Right Number: 58-104162.0001. The principal use of groundwater will be for Industrial Use and Dairy Operations. The proposed new well registration number and location is as follows: No. 55-224811 in the SE¼, NW¼, SW¼, of Section 5, Township 1 North, Range 6 West. The design pump capacity of the proposed well will be 500 gpm. *allotment 121*

**Issues:** The proposed well is not located within an area of known land subsidence or near any remedial action sites. Hydrology and Water Quality do not have any objections to the issuance of the permit. *no wells impacted*

**Recommendations:** Request approval of the application for D Kuiper Dairy, LLC, proposed new well with a permitted volume of 121 acre-feet per annum at 500 gallons per minute.

IPR Committee Comments:

IPR Special Conditions:

IPR Committee Recommendations:

- Approved
- Denied
- Other (explanation) \_\_\_\_\_

*[Signature]*  
\_\_\_\_\_  
IPR Chairperson

*6/18/15*  
\_\_\_\_\_  
Date



# Memorandum

To: Jacob Nelson, Groundwater Permitting and Wells  
From: David Christiana, Groundwater Permitting and Wells  
CC: Jeff Tannler, Statewide AMA Director  
Date: 6/9/2015  
Subject: Review of Application for a Permit to Drill or Operate a Non-exempt Well within an Active Management Area  
T-224811 55-224811 B(1-6)5CBD  
D Kuiper Dairy, LLC

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Comment: I have reviewed the above-referenced application for a permit to drill and operate a non-exempt well in the Phoenix AMA for well impacts, well construction, potential land subsidence and water quality issues, and proximity to any Maricopa County Flood Retention Structures. The applicant proposes to withdraw 121 acre-feet per year from a new non-service area well pursuant to the applicant's IGFR #58-104162.0001.

## Well Impacts

The applicant did not include a well impact study with the application. I calculated well impacts using THWells and aquifer parameters derived from previous calculations used to evaluate well impacts in the area. The proposed well is not within the domain of the ADWR SRV flow model. No other aquifer parameter data are available. The aquifer parameters used in the analysis are:

Transmissivity (T)	69,000 gallons/day/foot of drawdown
Storage (Sy)	0.1 (dimensionless) assumed
Aquifer Thickness (b)	500 (assumed)
Withdrawal (Q)	108,022 gpd (121 acre-feet/year)
Time (t)	1,825 days

Image wells were used to simulate the 400 foot depth to bedrock contour. The 5-year/10-foot drawdown boundary is negligible. No non-applicant owned wells of record will be impacted. Abbreviated THWells output is attached. The full output is available.

## Land Subsidence Issues

The proposed well does not lie within an area of known land subsidence. No additional consultation with the ADWR Survey Unit is necessary.

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## **Well Construction**

The proposed well will be drilled to 1000 feet, with blank casing to 600 feet and perforated from 600 to 1000 feet. The well will have a minimum of 1 foot stickup. A surface seal will be installed to 20 feet below grade. A well diagram included with the application indicates that the proposed construction meets minimum well construction standards. No special construction requirements are necessary.

## **Water Quality**

The proposed well is not in or near any remedial action sites. No water quality issues are known.

## **Proximity to Flood Retention Structures**

The proposed well is not near any Maricopa County flood retention structures. Consultation with the Maricopa County Flood control District is not necessary.

## **Conclusion**

I support issuing a permit to drill and operate a non-exempt well in the location, at the volume and well construction specifications stated in the application.

Attachments:  
Abbreviated THWells output

CALCULATION OF DRAWDOWN IN A HOMOGENEOUS, ISOTROPIC, CONFINED, LEAKY  
CONFINED OR UNCONFINED AQUIFER WITH MULTIPLE PRODUCTION AND INJECTION  
WELLS AND UNIFORM REGIONAL FLOW

-----  
Kuiper Dairy 55-224811  
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\*\*\*\*\* INPUT DATA \*\*\*\*\*

UNCONFINED AQUIFER - THEIS EQUATION WITH JACOB'S CORRECTION

WATER TABLE CORRECTION APPLIED

AQUIFER THICKNESS = 500 [ft]  
TRANSMISSIVITY = 69000 [gpd/ft]

STORAGE COEFFICIENT = .1

REGIONAL FLOW GRADIENT  
(positive--downwards--in flow direction) = 0

REGIONAL FLOW DIRECTION  
(horizontal angle in degrees  
counter-clockwise from positive x-axis) = 0

REGIONAL FLOW OFFSET AT ORIGIN  
(positive in downwards direction) = 0 [ft]

WATER TABLE CORRECTION APPLIED

AQUIFER THICKNESS = 500 [ft]  
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PUMPING/INJECTION WELL DATA

WELL NO. 1 Image well

X-COORDINATE = 0 [ft]  
Y-COORDINATE = 0 [ft]  
PUMPING/INJECTION RATE = 108022 [gpd]  
TIME SINCE START PUMPING/INJECTION = 1825 [day]

WELL NO. 2 55-224811

X-COORDINATE = 3897 [ft]  
Y-COORDINATE = 4205 [ft]  
PUMPING/INJECTION RATE = 108022 [gpd]  
TIME SINCE START PUMPING/INJECTION = 1825 [day]

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----- Drawdown in [ft] -----						
Y [ft]	<- X [ft] ->					
	-5000	-4750	-4500	-4250	-4000	-3750
-5000.00	0.394	0.402	0.411	0.419	0.428	0.436
-4750.00	0.403	0.411	0.420	0.429	0.438	0.447
-4500.00	0.411	0.420	0.430	0.439	0.449	0.458
-4250.00	0.420	0.429	0.439	0.449	0.459	0.469
-4000.00	0.428	0.438	0.449	0.459	0.470	0.480
-3750.00	0.437	0.447	0.458	0.469	0.481	0.492
-3500.00	0.445	0.456	0.468	0.480	0.491	0.503
-3250.00	0.453	0.465	0.477	0.490	0.502	0.515
-3000.00	0.462	0.474	0.487	0.499	0.513	0.526
-2750.00	0.470	0.482	0.496	0.509	0.523	0.537
-2500.00	0.477	0.491	0.504	0.519	0.533	0.548
-2250.00	0.485	0.499	0.513	0.528	0.543	0.559
-2000.00	0.492	0.506	0.521	0.537	0.553	0.569
-1750.00	0.498	0.513	0.529	0.545	0.562	0.579
-1500.00	0.505	0.520	0.536	0.553	0.570	0.589
-1250.00	0.510	0.526	0.543	0.560	0.578	0.597
-1000.00	0.516	0.532	0.549	0.567	0.585	0.605
-750.00	0.520	0.537	0.554	0.573	0.592	0.612
-500.00	0.524	0.541	0.559	0.578	0.597	0.618
-250.00	0.528	0.545	0.563	0.582	0.602	0.623
0.00	0.530	0.548	0.566	0.585	0.605	0.626
250.00	0.532	0.550	0.568	0.587	0.607	0.629
500.00	0.534	0.551	0.569	0.589	0.609	0.630
750.00	0.534	0.552	0.570	0.589	0.609	0.630
1000.00	0.534	0.551	0.570	0.589	0.609	0.629
1250.00	0.533	0.551	0.569	0.587	0.607	0.628
1500.00	0.532	0.549	0.567	0.585	0.605	0.625
1750.00	0.530	0.547	0.564	0.583	0.601	0.621
2000.00	0.528	0.544	0.561	0.579	0.597	0.617
2250.00	0.525	0.541	0.558	0.575	0.593	0.612
2500.00	0.522	0.537	0.554	0.571	0.588	0.606
2750.00	0.518	0.533	0.549	0.565	0.582	0.600
3000.00	0.514	0.529	0.544	0.560	0.576	0.593
3250.00	0.509	0.524	0.539	0.554	0.570	0.586
3500.00	0.504	0.518	0.533	0.548	0.564	0.579
3750.00	0.499	0.513	0.527	0.542	0.557	0.572
4000.00	0.493	0.507	0.521	0.535	0.549	0.564
4250.00	0.488	0.501	0.514	0.528	0.542	0.556
4500.00	0.482	0.495	0.508	0.521	0.535	0.548

STATE OF ARIZONA  
 DEPARTMENT OF WATER RESOURCES  
 WATER MANAGEMENT DIVISION  
 MAIL TO: P.O. BOX 36020, PHOENIX, ARIZONA 85067-6020  
 3550 North Central Avenue, Phoenix, Arizona 85012  
 Phone (602) 771-8500 • Fax (602) 771-8690



**APPLICATION FOR A PERMIT TO DRILL OR OPERATE A NON-EXEMPT WELL WITHIN AN ACTIVE MANAGEMENT AREA PURSUANT TO A.R.S. § 45-599**

**I. INSTRUCTIONS:**

1. This application should be used to obtain a permit to:
  - (a) Drill a non-exempt well in conjunction with a new or existing General Industrial Use Permit Application, a Certificate of Grandfathered Right, a Service Area Right, or an Irrigation District Right.
  - (b) Convert an existing well to a non-exempt well, or increase the annual permitted volume to be withdrawn from the well.
2. Complete all appropriate items on this application, sign in the appropriate place and mail to P.O. Box 33589, Phoenix, Arizona 85067-3589 or hand deliver to 3550 North Central Avenue, Phoenix, Arizona 85012
3. Pursuant to A.R.S. § 45-599 and A.A.C. R12-15-104, the fee for this application is \$150.00 and the permit fee is \$30.00.

**II. GENERAL DATA:**

Applicant D. Kuiper Dairy LLC  
DARREL Kuiper Mgr  
 Mailing Address 13802 S Airport Rd  
Buckeye AZ 85354  
 City State Zip Code  
 Contact Person DARREL Kuiper  
 Telephone Number 602-390-8075  
 Name of Land Owner D. Kuiper Dairy LLC  
DARREL Kuiper Mgr.  
 Mailing Address Same

FOR DEPARTMENT USE ONLY	
Application No. <u>T-224811</u>	
Registration No. <u>55-224811</u>	
File No. <u>B(1-6) SCBD</u>	
Date Received <u>5/22/2015</u>	
AMA <u>Phoenix</u>	
W/S <u>15</u> S/B <u>3</u>	

2B. Parcel No. 506-45-009B  
 2C. Public Water System ID # \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Telephone Number \_\_\_\_\_

3. Applicant is:  Owner  Lessee
4. Proposed well is:  New well  Increase in Permitted Maximum Annual Volume for Existing Well  Replacement well in a new location.
5. Claim of entitlement to withdraw groundwater is based upon:
  - Certificate of Grandfathered Right No: 58-104162.0001
  - General Industrial Use Permit No. 59- \_\_\_\_\_
  - Service Area Right No: \_\_\_\_\_
  - Irrigation District Right No: \_\_\_\_\_

6. The principal use of groundwater will be (be specific) INDUSTRIAL USE / DAIRY OPERATIONS

7. Well location: SE NW SW  
~~SE~~ ~~SE~~ ~~NW~~ Section 5 Township 1 Range 6  
 10 Acre 40 Acre 160 Acre

8. Position location of the well: Latitude 33° 27' 25" N Longitude 112° 53' 52" W

9. Design Pump Capacity 500 gpm Depth 1000 feet  
 Diameter 16 inches Type of casing Steel

10. Proposed annual volume of water 121 acre feet

11. Well is located in the SALT River West subbasin of the Phx Active Management Area.

12. Approximate date construction will begin: MONTH June YEAR 2015  
 Estimated time to complete new well July 2015. (If longer than 1 year, attach explanation.)
13. Legal description of the land where the groundwater will be used:  
SE 1/4 SE 1/4 NW 1/4 Section 5 Township 1 S Range 6 E County Maricopa  
 10 Acre 40 Acre 160 Acre
14. Is the proposed well site within 100 feet of a septic tank system, sewage disposal area, landfill, hazardous waste facility or storage area of hazardous materials?  Yes  No (if yes, a request for a variance must accompany this application pursuant to R12-15-820.)
15. Driller's Name John Hoover Well Service DWR License No: 77 ROC License Category 105752  
 Mailing Address: P.O. Box 12596 Casa Grande, AZ 85130 520-836-6400  
 Street City State Zip Telephone Number
16. Attach a Well Construction Supplement, DWR form 55-90, and include a detailed construction diagram as indicated on the form.

**III. FOR SERVICE AREA WELLS AND IRRIGATION DISTRICT WELLS ONLY:**

17. Is the proposed well located in your service area?  Yes  No
18. Will groundwater withdrawn be used in your service area?  Yes  No **(If answer is no, attach explanation.)**

**IV. FOR REPLACEMENT WELL IN NEW LOCATION ONLY:**

19. Registration number of original well 55- \_\_\_\_\_.
20. Location of the original well: \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 Section \_\_\_\_\_ Township \_\_\_\_\_ N/S Range \_\_\_\_\_ E/W  
 10 Acre 40 Acre 160 Acre
21. Distance between original well and proposed replacement well \_\_\_\_\_ feet.
22. When determining impacts under the Department's well spacing rules, the director will take into account the collective efforts of reducing or terminating withdrawals from the well being replaced combined with the proposed withdrawals from the replacement well if the applicant submits a hydrological study demonstrating those collective effects to the satisfaction of the director.  
 Will a hydrological study be submitted?  Yes  No
23. Will the original well be abandoned if applicant receives a permit to drill a replacement well?  Yes  No.  
**(If yes, please submit a completed Notice of Intent to Abandon a Well along with this application.)**  
 If no, explain the planned use of the original well \_\_\_\_\_

**V. FOR INCREASE IN PERMITTED MAXIMUM VOLUME FOR EXISTING WELL ONLY:**

24. Registration number of the existing well 55- \_\_\_\_\_ Present pump design capacity \_\_\_\_\_ gallons per minute. Present permitted volume \_\_\_\_\_ acre-feet per year.
25. The new design pump capacity will be \_\_\_\_\_ gallons per minute. New permitted volume will be \_\_\_\_\_ acre-feet per year.
26. Will the well be modified or deepened?  Yes  No [Pursuant to R12-15-801(29)] **If yes, Attach a Well Construction Supplement, DWR form 55-90, and include a detailed construction diagram as indicated on the form.**
27. The existing well has previously been used in conjunction with or for the following: \_\_\_\_\_

It is understood that the permit, if granted, will be in accordance with the Groundwater Management Act (Title 45, Chapter 2), and the rules adopted thereunder. The permittee will be bound by the provisions of such law and the provisions of the permit issued.

I (we), Darrel Kuiper hereby affirm that all information provided in this application is true and correct to the best of my/our knowledge and belief.  
 (print name)

Signature of Applicant Darrel Kuiper Date 5/16/15

Signature of Land Owner (if applicable) \_\_\_\_\_ Date \_\_\_\_\_

ARIZONA DEPARTMENT OF WATER RESOURCES

WATER MANAGEMENT DIVISION

3550 North Central Avenue, Phoenix, Arizona 85012

Phone (602) 771-8585 Fax (602) 771-8688

WELL CONSTRUCTION SUPPLEMENT (form DWR 55-90)

Well Registration Number 55- 224811

1. Well Location: NW  
NW SE SE SW  
SE SE NW  
10AC 40AC 160AC 1/4 of the 1/4 of the 1/4, Sec. 5, Township 1N Range 6W
  2. Position Location of the Well:  
Latitude 33° 27' 25" Longitude 112° 53' 52"  
Datum: • NAD 83 • NAD 27 • Other: \_\_\_\_\_
  3. County MARICOPA
  4. Date construction to start: June
  5. Time period well will remain in use: \_\_\_\_\_
  6. Is pump equipment to be installed? Yes If so, design pump capacity: 500 GPM.
  7. Well construction plan:
    - a. Drilling method (mud rotary, hollow-stem auger, etc.) Cable Tool
    - b. Borehole diameters 24" inches from 0' feet to 20' feet.  
21" inches from 20' feet to 1,000' feet.
    - c. Casing materials Low Carbon Steel
    - d. Method of well development (bail, air lift, surge, etc.) Bail
    - e. Will surface or conductor casing extend above grade? Yes
  8. Include a detailed construction diagram of the proposed well design. The diagram should verify consistency with minimum construction requirements specified in the Department's well construction rules found in Arizona Administrative Code (A.A.C.) R12-15-801 et seq. Specifically, the diagram should include borehole diameters; casing materials and diameters; perforation intervals; the expected water level; depth and thickness of the surface seal; proposed grouting materials; and the length that the surface or conductor casing will extend above grade, or vault details, if specified.
- Pursuant to Arizona Revised Statutes (A.R.S.) § 45-594.B, all well construction, replacement, deepening and abandonment operations shall comply with the rules adopted pursuant to this section. Therefore, any existing well that is deepened or modified must be brought into compliance with minimum well construction standards specified above, if not already in compliance.
9. Proposed materials and method of abandonment if well is to be abandoned after project is completed (Minimum requirements per A.A.C. R12-15-816):

10. Is the proposed wellsite within 100 feet of a septic tank system, sewage disposal area, landfill, hazardous waste facility, storage area of hazardous material, or petroleum storage area or tank? \_\_\_ Yes  No

11. Is this well to monitor existing contamination? \_\_\_ Yes  No

Potential contamination? \_\_\_ Yes \_\_\_ No If yes, please provide explanation: \_\_\_\_\_

12. Name of Consulting firm, if any: \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Contact Person: \_\_\_\_\_ Telephone Number: \_\_\_\_\_

13. Drilling firm Hoover Well Service

DWR License Number: 27 ROC License Category: 105752

14. Special construction standards, if any, required pursuant to A.A.C. R12-15-821: \_\_\_\_\_

I (we), Darrel Kuper  
(print name)

D. KUPPER DAIRY LLC  
13802 S AIRPORT RD  
BUCKEYE, AZ 85326

hereby affirm that all information provided in this application is true and correct to the best of my/our knowledge and belief.

Signature of Applicant

Darrel Kuper

Date

5/16/15

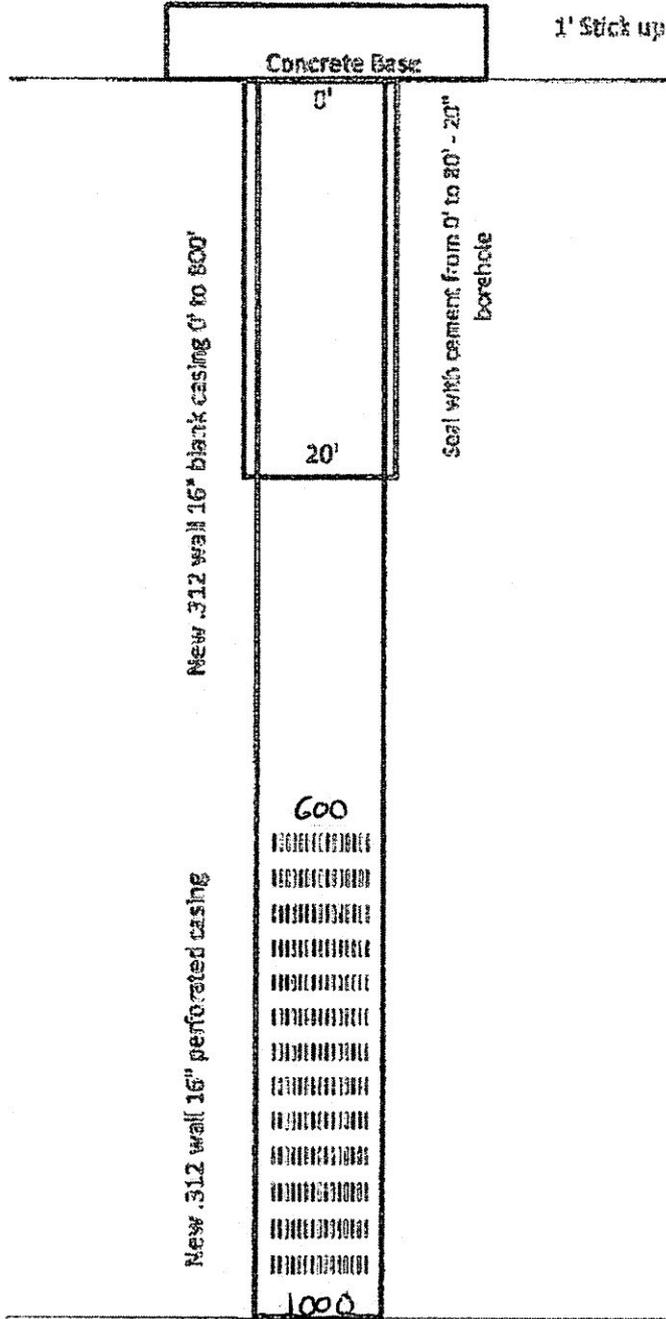
# New Well Design

Customer: Kuiper Dairy

Well # 55- 780

Ground Surface

Total Depth





# **Certificate of Grandfathered Groundwater Right**

## STATE OF ARIZONA DEPARTMENT OF WATER RESOURCES

*This is to certify that pursuant to the provisions of  
Title 45, Chapter 2, Arizona Revised Statutes*

**D. KUIPER DAIRY LLC  
13802 S AIRPORT ROAD  
BUCKEYE AZ 85326**

*is granted a*

**TYPE 2 NON-IRRIGATION GRANDFATHERED RIGHT**

*in the*

**PHOENIX ACTIVE MANAGEMENT AREA**

*for **121.00** acre-feet of groundwater annually from January 1 through December 31. Groundwater withdrawn pursuant to this right may be used for **NON-IRRIGATION** purpose(s). The well registration number(s) and the location of the well(s) where the groundwater will be withdrawn pursuant to this right are as follows:*

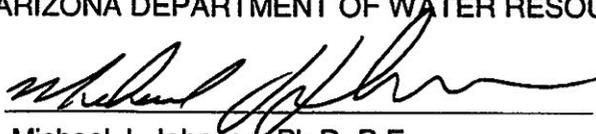
The right-holder has severed the right from the former certified point of withdrawal and does not presently have an authorized point of withdrawal for the Type 2 Non-Irrigation Grandfathered Right evidenced by this certificate. The right-holder or any lessee of the right may withdraw groundwater pursuant to this certificate only after the right-holder notifies the Department of Water Resources of the proposed point(s) of withdrawal and receives the written permission of the Director of Water Resources to withdraw groundwater at the proposed point(s) of withdrawal.

*The use of groundwater under this right shall be in accordance with the laws of the State of Arizona and restrictions placed on use by the Director of the Department of Water Resources pursuant to Title 45, Chapter 2, Arizona Revised Statutes.*

**CERTIFICATE NO. 58-104162.0001**

*is granted this 13th day of April, 2015*

ARIZONA DEPARTMENT OF WATER RESOURCES



Michael J. Johnson, Ph.D, P.E.  
Assistant Director



*The Department of Water Resources must be notified if the above named person(s) makes an address change or conveys ownership of the right to another person(s).*

**DOUGLAS A. DUCEY**  
Governor



**THOMAS BUSCHATZKE**  
Director

**ARIZONA DEPARTMENT of WATER RESOURCES**  
3550 North Central Avenue, Second Floor  
Phoenix, Arizona 85012-2105  
602.771.8500  
azwater.gov

April 14, 2015

D. KUIPER DAIRY LLC  
13802 S AIRPORT ROAD  
BUCKEYE AZ 85326

Re: Type 2 Non-Irrigation Grandfathered Right No. 58-104162.0001

Dear Right Owner:

Enclosed is your Certificate of Type 2 Non-Irrigation Grandfathered Groundwater Right (Type 2 Right). The Certificate specifies the annual amount of groundwater that may be withdrawn pursuant to your Type 2 Right. **Since you have not specified any point(s) of withdrawal associated with this right, it is considered a "floating" Type 2 Non-Irrigation Grandfathered Right and does not authorize you to withdraw groundwater. When you instruct the Department to add a well(s) as the point(s) of withdrawal for this right, a revised Certificate will be issued authorizing withdrawal of groundwater at the proposed point(s) of withdrawal in the amount specified in the Certificate.**

**This is also an Official Notice of Conservation Requirements and Monitoring and Reporting Requirements that applies to your non-irrigation use.** These requirements were established in the Third Management Plan ("TMP") and became effective on January 1, 2002.

As a person using groundwater not supplied by a city, town or private water company for a non-irrigation use, you are classified as an **industrial user**. You are required to comply with the conservation requirements and monitoring and reporting requirements for all industrial users in Chapter 6 of the TMP. Those requirements are set forth in the enclosed *Attachment TMP-All Industrial Users*.

Additional specific requirements have been established in the TMP for the following industrial users: turf-related facilities, sand and gravel facilities, power plants, dairy operations and cattle feedlot operations, large-scale cooling facilities and new large landscape users.

Should your intended industrial use fall under any of the above referenced additional specific requirements, you are also required to comply with them. If an additional attachment is enclosed, it is because the Department reviewed your application and determined that your intended industrial use does fall under one of the additional specific user requirements.

You must begin complying with the TMP conservation requirements set forth in the applicable attachment(s) upon commencement of groundwater use at your facility, and continue complying with the requirements until the effective date of any substitute requirements in the Fourth Management Plan.

**Please note that the conservation requirements in this notice apply to water use at your industrial facility, rather than to this Type 2 Right or any other withdrawal authorities associated with this facility.**

You have the right to request a variance and, in some limited circumstances, an administrative review for relief from the conservation requirements. Please refer to the enclosed Variance and Administrative Review Insert for more information.

As provided in A.R.S. § 45-604 and § 45-632, any person withdrawing groundwater from a well pursuant to a Type 2 Right is required to use a water measuring device to record rates of withdrawal in order to provide or allow the computation of an annual volume of pumpage from the well(s). The total volume of pumpage shall be reported on an **Annual Water Withdrawal and Use Report** on a calendar year basis. Please refer to the enclosed Annual Report Insert for more information.

As the owner of a Type 2 Right, you are reminded that the Department must be notified if the right owner(s) changes his or her mailing address, conveys ownership of all the right to another person or changes the point(s) of withdrawal, leases all or a portion of the right to another person or changes the place or purpose of the use. If a Type 2 Right is conveyed, the full amount of the right is conveyed for a non-irrigation use. **A Type 2 Right may not be conveyed for an irrigation use.** A Type 2 Right that is used for purposes of mineral extraction or processing, or for purposes of electrical generation may be conveyed only for the same use. Forms and information relative to these matters are available upon request or on our website at [www.azwater.gov](http://www.azwater.gov).

Every reasonable effort has been made to ensure that the information contained herein and on all accompanying documents is accurate. However, if you believe errors have been made, or if you have any questions, please contact the Groundwater Permitting and Wells Section at 602-771-8500.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael J. Johnson". The signature is fluid and cursive, with a long horizontal stroke at the end.

Michael J. Johnson, Ph.D, P.E.  
Assistant Director

# ARIZONA DEPARTMENT OF WATER RESOURCES

## ANNUAL REPORT INSERT

Persons holding groundwater rights in Active Management Areas as of December 31 of each year are required to file an annual water withdrawal and use report (annual report) for that calendar year. This annual report must be filed no later than March 31 of the following year, and must account for water withdrawn and used for the entire calendar year. Persons with more than one right must file a separate annual report for each right. Annual report forms are made available via the Department's web site ([www.azwater.gov](http://www.azwater.gov)), or mailed by the Department upon request. Failure to receive the proper forms does not relieve a person from the requirement to file.

If you own an Irrigation Grandfathered Right that obtains all water from an irrigation district, that district may file an annual report on your behalf. Check with your irrigation district to determine whether they intend to file on your behalf.

### MEASURING DEVICES

All water pumped from non-exempt wells in Active Management Areas must be measured with a device approved by the Department. In general, the methods include: 1) installation of an in-line or "totalizing" meter (two discharge measurements must be taken annually but results need not be submitted unless the meter malfunctions); 2) a minimum of two well discharge rate measurements per year to be used in conjunction with energy consumption measurements (this method may not be used if the energy meter serves uses other than the well); and 3) a minimum of two discharge rate measurements per year to be used in conjunction with an approved hour meter. A copy of the measuring rules may be obtained upon request from the Department.

Devices must be installed and maintained to insure that measurement error does not exceed 10%. The pump and discharge system on a well must be so constructed to allow the Department, with its own devices, to check the accuracy of the installed device.

Persons withdrawing groundwater pursuant to an Irrigation Grandfathered Right and one or more Non-Irrigation Rights or Withdrawal Permits must use a sufficient number of devices to allow for the separate measurement of the amount withdrawn pursuant to the Irrigation Grandfathered Right.

If a device malfunctions for a period of more than 72 hours, the malfunction must be reported to the Department within seven days of discovery of the malfunction. Repair or replacement of the device must be made within 30 days or as soon as practicable. Measuring device malfunction reports may be obtained from the Department.

Exceptions to the measurement requirement are made only for persons holding Type 2 Non-Irrigation Grandfathered Rights or Groundwater Withdrawal Permits with aggregate allotments of ten acre-feet or less. Persons with such rights or permits may estimate annual withdrawals.

### RECORD KEEPING

Records of annual water withdrawal, delivery and use calculations must be maintained for at least three years. In the event that you are selected for a records audit, you will be asked to provide this information.

### FEEES

Withdrawal fees are assessed for each acre foot of water annually withdrawn from wells associated with groundwater rights. This fee is annually set by the Director of the Department each October for the following calendar year. These fees must be included with annual report filings.

Annual reports not filed by the March 31 deadline are subject to late filing penalties of \$25.00 for each month or portion of a month that the annual report has not been filed up to a maximum of \$150.00. In addition, late payment fees of 10% per month to a maximum of 60% are assessed for any withdrawal fees not paid by March 31.

### CHANGES IN OWNERSHIP

The Department must be notified if the person named in the Certificate changes his or her mailing address, conveys ownership of all or a part of the land to another person or wishes to convert the irrigation rights to a non-irrigation right. If you have questions regarding the Certificate or conveyance procedures, please the Groundwater Permitting and Wells Section. Forms and information relative to these matters are available on the Department website at [www.azwater.gov](http://www.azwater.gov)

### ASSISTANCE

For further information, contact the Groundwater Permitting and Wells Section at 602-771-8500.

## IMPORTANT NOTICE

### VARIANCES AND ADMINISTRATIVE REVIEWS

The Arizona Department of Water Resources (Department) has found the conservation requirements to be equitable for most water users. However, if you believe you will be unable to comply with these requirements by the dates specified you may request a variance. A variance may be granted for up to five years if there are "compelling economic circumstances" preventing timely compliance with the annual allotment assigned to your irrigation right. An application for a variance must be filed with the Department within 95 days after the date of this notice.

No new applications for administrative review will be accepted at this time, except as allowed under A.R.S. §§ 45-571.01 and 45-575(B). Under A.R.S. § 45-571.01, you may file an application for administrative review to correct factual, technical or legal errors in the establishment of your requirements only if you have reacquired the land to which your right is appurtenant involuntarily, or voluntarily in lieu of foreclosure, and you did not previously have the right to request an administrative review of the requirements. Such an application must be filed within 95 days after the date of this notice. A.R.S § 45-575(B) allows for the filing of an application for administrative review at any time if extraordinary circumstances, which were not in existence as of the date the Department first gave notice of the Third Management Plan water duties and allotments to the owner of your land, make it unreasonable to require compliance with the water duties and allotments.

If you have questions regarding variances and administrative reviews, please contact the Groundwater Permitting and Wells Section at 602-771-8500.

Arizona Department of Water Resources

3550 N Central Ave.  
Phoenix AZ 85012

Customer:

D KUIPER DAIRY, LLC.  
13802 S. AIRPORT RD.  
BUCKEYE, AZ 85354

Receipt #: 15-39404  
Office: MAIN OFFICE  
Receipt Date: 05/22/2015  
Sale Type: IN\_PERSON  
Cashier: WRJRN

Item No.	Index	AOBJ	Description	Ref ID	Qty	Unit Price	Ext Price
67488	15245	4439-TT	Notice of intention to drill a well other than a well described in subsection (A)(1)(h) of this Section	224811	1	180.00	180.00
<b>RECEIPT TOTAL:</b>							<b>180.00</b>

Payment type: CHECK

Amount Paid: \$180.00

Payment Received Date: 05/22/2015

Notes: FROM TTA.

Check #	22898
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