Run Date: 09/15/2015

# AZ DEPARTMENT OF WATER RESOURCES

## WELL REGISTRY REPORT - WELLS55

**Location** B 9.0 5.0 1 B B A

**Well Reg.No** **55 -** 918323

**AMA** NOT WITHIN ANY AMA OR INA

**Registered Name** WILLIAM GRANTHAM
37450 S. KAY EL BAR RD

WICKENBUG AZ 85390

**File Type** NEW WELLS (INTENTS OR APPLICATIONS)
**Application/Issue Date** 06/18/2015

**Owner** OWNER
**Driller No.** 141
**Driller Name** UNIVERSAL DRILLING, INC.
**Driller Phone** 928-684-2886
**County** YAVAPAI
**Parcel No.** 201-15-001
**Intended Capacity GPM** 0.00

**Well Type** EXEMPT
**SubBasin** UPPER HASSAYAMPA
**Watershed** LOWER GILA RIVER
**Registered Water Uses** DOMESTIC
**Registered Well Uses** WATER PRODUCTION
**Discharge Method** ESTIMATED - AIR LIFT
**Power** ELECTRIC MOTOR 1 - 5 HP

| | | | | | |
|---|---|---|---|---|---|
| **Well Depth** | 463.00 | **Case Diam** | 4.00 | **Tested Cap** | 35.00 |
| **Pump Cap.** | 35.00 | **Case Depth** | 463.00 | **CRT** | X |
| **Draw Down** | 50.00 | **Water Level** | 220.00 | **Log** | X |
| | | **Acres Irrig** | 0.00 | **Finish** | STEEL - PERFORATED OR SLOTTED CASING |

**Contamination Site:** NO - NOT IN ANY REMEDIAL ACTION SITE

**Tribe:** Not in a tribal zone

**Comments**

**Current Action**

9/15/2015 805 PUMP INSTALLATION COMPLETION REPORT RECEIVED/ENTERED
Action Comment: dgc

**Action History**

8/20/2015 750 WELL DRILLER REPORT AND WELL LOG RECEIVED/ENTERED
Action Comment: dgc

6/26/2015 755 WELL CONSTRUCTION COMPLETED
Action Comment: dgc

6/18/2015 150 NOI RECEIVED FOR A NEW PRODUCTION WELL
Action Comment: Processed through the Web NOI.

6/18/2015 550 DRILLING AUTHORITY ISSUED
Action Comment: Processed through the Web NOI.

**Arizona Department of Water Resources**
Information Management Unit
PO Box 36020 , Phoenix, AZ 85067-36020
(602) 771-8527 • 1-800-352-8488

# Pump Installation Completion Report

JUL 08 2015

- Review instructions prior to completing form in black or blue ink.
- The registered well owner shoud file this report with the Department within 30 days following installation of pump equipment.

** PLEASE PRINT CLEARLY **

FILE NUMBER: B(9-5) 1 BBA
WELL REGISTRATION NUMBER: 55 - 918323

## SECTION 1. REGISTRY INFORMATION

**Well Owner**

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL: GRANTHAM, WILLIAM

MAILING ADDRESS: 37450 S. KAY EL BAR RD

CITY / STATE / ZIP: WICKENBUG. AZ. 85390

CONTACT PERSON NAME AND TITLE: Wesley Grantham

TELEPHONE NUMBER: 602-315-1098

FAX:

**Location of Well**

WELL LOCATION ADDRESS (IF ANY): South of Stanton, Ariz

| TOWNSHIP (N/S) | RANGE (E/W) | SECTION | 160 ACRE | 40 ACRE | 10 ACRE |
|---|---|---|---|---|---|
| 9N | 5W | 1 | 1/4 | 1/4 | 1/4 |

COUNTY ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)

| BOOK | MAP | PARCEL |
|---|---|---|
| 201 | 15 | 001 |

COUNTY WHERE WELL IS LOCATED: YAVAPAI

## SECTION 2. EQUIPMENT INSTALLED

DATE PUMP INSTALLED: 6-25-15

**Pump Type**

CHECK ONE

- ☐ Air Lift
- ☐ Bucket
- ☐ Centrifugal
- ☐ Jet
- ☐ Piston
- ☐ Rotary
- ☒ Submersible
- ☐ Turbine
- ☐ Other *(Please Specify)*:

RATED PUMP CAPACITY: 35 Gallons Per Minute

**Pitless Adaptor**

CHECK ONE *(SEE INSTRUCTIONS FOR DEFINITION)*

Was a pitless adaptor installed? ☐ Yes ☒ No

IF YES, DEPTH BELOW GROUND LEVEL THE DEVICE WAS INSTALLED: Feet

**Power Type**

CHECK ONE

- ☐ Diesel Engine
- ☒ Electric Motor
- ☐ Gasoline Engine
- ☐ Hand
- ☐ Natural Gas
- ☒ Windmill
- ☐ Other *(Please Specify)*:

HORSE POWER RATING OF MOTOR: 5

## SECTION 3. PUMP TEST

**Pump Test Data**

DATE WELL TESTED: 6-25-15

STATIC WATER LEVEL (A): 250' Feet Below Land Surface

PUMPING WATER LEVEL (B): 300' Feet Below Land Surface

DRAWDOWN [ (B) - (A) ]: approx. 50' Feet Below Land Surface

TEST PUMPING RATE: 2 hrs. 35 Gallons Per Minute

DURATION OF PUMP TEST (Minimum 4 Hours): 2 hrs Hours

TOTAL PUMPING LIFT: 350' Feet

FOR FLOWING WELL, MEASURED SHUT IN HEAD: ☐ FT ☐ PSI

**Method of Discharge Measurement**

CHECK ONE

- ☐ Bailer
- ☐ Bucket - Barrel - Stopwatch
- ☐ Current
- ☒ Estimated - Air Lift
- ☐ Gauge
- ☐ Meter
- ☐ Orifice
- ☐ Volume
- ☐ Weir - Flume
- ☐ Other *(Please Specify)*:

**Method of Measuring Water Level**

CHECK ONE

- ☐ Air Line
- ☒ Electric Measuring Line (Sounder)
- ☐ Steel Tape
- ☐ Other *(Please Specify)*:

*I HEREBY CERTIFY that the above statements are true to the best of my knowledge and belief according to A.R.S. § 45-600(B).*

SIGNATURE OF WELL OWNER: William H. Grantham

DATE: 7-2-15

**Arizona Department of Water Resources**
Information Management Unit
PO Box 36020 • Phoenix, Arizona 85067-36020
(602) 771-8527 • 602-771-8500

RECEIVED
JUL 15 2015
ARIZONA DEPARTMENT
OF WATER RESOURCES

# Well Driller Report and Well Log

| FILE NUMBER |
|---|
| B(9-5) 1 BBA |
| WELL REGISTRATION NUMBER |
| 55 - 918323 |
| PERMIT NUMBER (IF ISSUED) |

THIS REPORT MUST BE FILED WITHIN **30 DAYS** OF COMPLETING THE WELL.

PLEASE PRINT CLEARLY USING BLACK OR BLUE INK

## SECTION 1. DRILLING AUTHORIZATION

**Drilling Firm**

| Mail To: | |
|---|---|
| NAME: UNIVERSAL DRILLING, INC. | DWR LICENSE NUMBER: 141 |
| ADDRESS: PO BOX 1027 | TELEPHONE NUMBER: 928-684-2886 |
| CITY / STATE / ZIP: WICKENBURG, AZ, 85358-1027 | FAX: |

## SECTION 1. REGISTRY INFORMATION

**Well Owner**

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL: GRANTHAM, WILLIAM

MAILING ADDRESS: 37450 S. KAY EL BAR RD

CITY / STATE / ZIP: WICKENBUG, AZ, 85390

CONTACT PERSON NAME AND TITLE:

TELEPHONE NUMBER: FAX:

WELL NAME (e.g., MW-1, PZ-3, lot 25 Well, Smith Well, etc.):

**Location of Well**

WELL LOCATION ADDRESS (IF ANY):

| TOWNSHIP (N/S) | RANGE (E/W) | SECTION | 160 ACRE | 40 ACRE | 10 ACRE |
|---|---|---|---|---|---|
| 9N | 5W | 01 | NE 1/4 | NW 1/4 | NW 1/4 |

| LATITUDE | | | LONGITUDE | | |
|---|---|---|---|---|---|
| 34 ° | 09' | 22 | .28"N | 112 ° | 44' 06 | .46"W |

METHOD OF LATITUDE/LONGITUDE (CHECK ONE): ☐ USGS Quad Map ☐ Conventional Survey ☐ *GPS: Hand-Held ☐ *GPS: Survey-Grade

LAND SURFACE ELEVATION AT WELL: 3405 Feet Above Sea Level

METHOD OF ELEVATION (CHECK ONE): ☐ USGS Quad Map ☐ Conventional Survey ☐ *GPS: Hand-Held ☐ *GPS: Survey-Grade

*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE): ☐ NAD-83 ☐ Other (please specify)

COUNTY: YAVAPAI

ASSESSOR'S PARCEL ID NUMBER (MOST RECENT): BOOK 201 | MAP 15 | PARCEL 001

## SECTION 3. WELL CONSTRUCTION DETAILS

**Drilling Method** (CHECK ONE)

- ☒ Air Rotary
- ☐ Bored or Augered
- ☐ Cable Tool
- ☐ Dual Rotary
- ☐ Mud Rotary
- ☐ Reverse Circulation
- ☐ Driven
- ☐ Jetted
- ☐ Air Percussion / Odex Tubing
- ☐ Other (please specify)

**Method of Well Development** (CHECK ONE)

- ☒ Airlift
- ☐ Bail
- ☐ Surge Block
- ☐ Surge Pump
- ☐ Other (please specify)

**Condition of Well** (CHECK ONE)

- ☒ Capped
- ☐ Pump Installed

**Method of Sealing at Reduction Points** (CHECK ONE)

- ☐ None
- ☐ Packed
- ☐ Swedged
- ☐ Welded
- ☐ Other (please specify)

**Construction Dates**

DATE WELL CONSTRUCTION STARTED: 6-20-15

DATE WELL CONSTRUCTION COMPLETED: 6-26-15

*I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.*

SIGNATURE OF QUALIFYING PARTY: [signature]

DATE: 7-3-15

## Well Driller Report and Well Log

WELL REGISTRATION NUMBER
**55 - 918323**

### SECTION 4. WELL CONSTRUCTION DESIGN (AS BUILD) (attach additional page if needed)

**Depth**

| DEPTH OF BORING | DEPTH OF COMPLETED WELL |
|---|---|
| 463 Feet Below Land Surface | 463 Feet Below Land Surface |

**Water Level Information**

| STATIC WATER LEVEL | DATE MEASURED | TIME MEASURED | IF FLOWING WELL, METHOD OF FLOW REGULATION |
|---|---|---|---|
| 220 Feet Below Land Surface | 6-26-15 | 10:00 | ☐ Valve ☐ Other: |

**Borehole**

| DEPTH FROM SURFACE FROM (feet) | DEPTH FROM SURFACE TO (feet) | BOREHOLE DIAMETER (inches) |
|---|---|---|
| 0 | 20 | 12 |
| 1 | 463 | 6 3/4 |

**Installed Casing**

| DEPTH FROM SURFACE FROM (feet) | DEPTH FROM SURFACE TO (feet) | OUTER (inches) | MATERIAL TYPE (T): STEEL | PVC | ABS | IF OTHER TYPE, DESCRIBE | PERFORATION TYPE (T): BLANK OR NONE | WIRE WRAP | SHUTTER SCREEN | MILLS KNIFE | SLOTTED | IF OTHER TYPE, DESCRIBE | SLOT SIZE (inches) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 20 | 8 | X | | | | X | | | | | | |
| 1 | 202 | 6 | X | | | | X | | | | | | |
| 202 | 463 | | | | | | | | | | | | |
| | 363 | 4 | X | | | | X | | | | | | |
| 363 | 463 | 4 | X | | | | | | | | X | | |

**Installed Annular Material**

| DEPTH FROM SURFACE FROM (feet) | DEPTH FROM SURFACE TO (feet) | ANNULAR MATERIAL TYPE (T): NONE | CONCRETE | NEAT CEMENT OR CEMENT GROUT | CEMENT-BENTONITE GROUT | BENTONITE: GROUT | CHIPS | PELLETS | IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE | FILTER PACK: SAND | GRAVEL | SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 20 | | X | | | | | | | | | |
| 20 | 463 | X | | | | | | | | | | |

**Well Driller Report and Well Log**

WELL REGISTRATION NUMBER
**55 - 918323**

**SECTION 5. GEOLOGIC LOG OF WELL**

| DEPTH FROM SURFACE FROM (feet) | TO (feet) | **Description** Describe material, grain size, color, etc. | Check (T) every interval where water was encountered (if known) |
|---|---|---|---|
| 0 | 190 | BOULDERS + GRAVELS | |
| 190 | 220 | BASALT | |
| 220 | 320 | SHIST | |
| 320 | 463 | FRACTURE SHIST | |

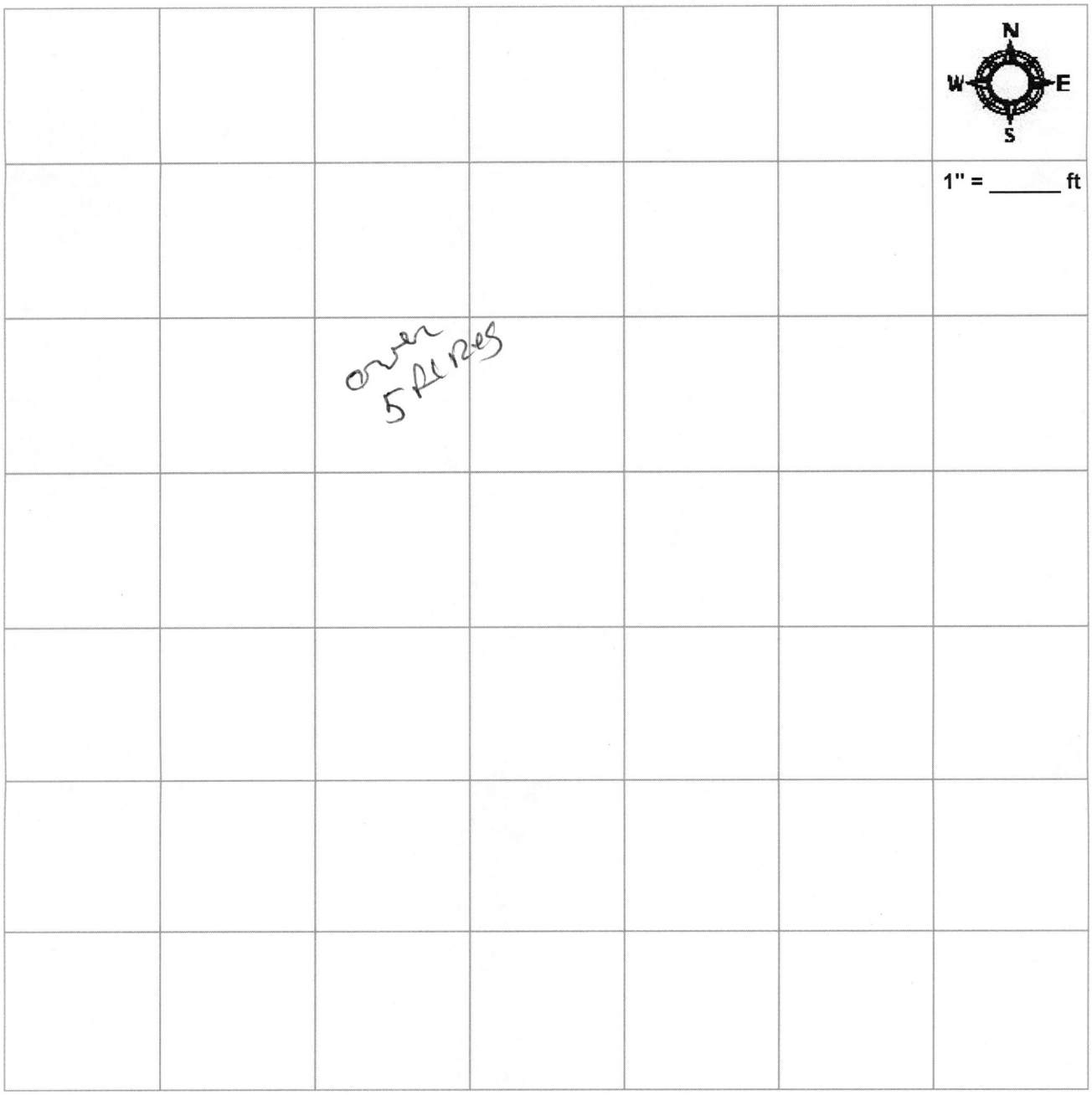
**Well Driller Report and Well Log**

| WELL REGISTRATION NUMBER |
|---|
| **55 - 918323** |

## SECTION 6. WELL SITE PLAN

| NAME OF WELL OWNER | COUNTY ASSESSOR'S PARCEL ID NUMBER (MOST RECENT) | | |
|---|---|---|---|
| | BOOK | MAP | PARCEL |
| GRANTHAM, WILLIAM | 201 | 15 | 001 |

- Please draw the following: (1) the boundaries of property on which the well was located; (2) the well location; (3) the locations of all septic tank systems and sewer systems on the property or within 100 feet of the well location, even if on neighboring properties; and (4) any permanent structures on the property that may aid in locating the well.
- Please indicate the distance between the well location and any septic tank system or sewer system.



# ARIZONA DEPARTMENT OF WATER RESOURCES

**Phoenix, Arizona 85012**

## DRILLING CARD

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

WELL REGISTRATION NO: **55-918323**

AUTHORIZED DRILLER: **UNIVERSAL DRILLING, INC.** LICENSE NO: **141**

NOTICE OF INTENT TO **DRILL AN EXEMPT WELL** HAS BEEN FILED WITH THE DEPARTMENT BY:

WELL OWNER: **GRANTHAM, WILLIAM**

ADDRESS: **37450 S. KAY EL BAR RD, WICKENBUG, AZ, 85390**

THE WELL(S) IS/ARE TO BE LOCATED IN THE:

**NE** 1/4 of the **NW** 1/4 of the **NW** 1/4 Section **01** Township **09 N** Range **05 W**

NO. OF WELLS IN THIS PROJECT: **1** ASSESSOR'S PARCEL NO: **201-15-001**

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF **6/18/2016**

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

This drilling or abandonment authority was granted based upon the certifications made by the above-named Driller in the notice of intent to drill or abandon. Those certifications, along with any variances granted, are listed below. By drilling or abandoning the well pursuant to this authorization, the above-named driller acknowledges the accuracy of the driller certifications. If the certifications are in error, this authorization is invalid and driller must contact the Department of Water Resource's NOI Section in writing at the addres above to correct.

Variance(s) Granted To Driller: **None**

Certification(s) Made By Driller:

- þ By checking this box, I certify that I have all necessary Registrar of Contractor (ROC) licenses in all necessary license categories for this drilling or abandonment project and that those licenses are current.
- þ By checking this box, I certify that I have been authorized by the above-named well owner to submit this Notice of Intent on the well owner's behalf.
- þ By checking this box, I certify that the information above is complete and correct, and that the well shall be drilled or abandoned in compliance with all pertinent statutes and rules, including any special standards that may be required to protect the aquifer or other water sources.
- þ By checking this box, I certify that the proposed well site is not within 100 feet of any septic tank system, sewage disposal area, landfill, hazardous waste facility, storage area of hazardous materials or petroleum storage areas and tanks.
- þ By checking this box, I certify that the proposed well's water use meets the criteria of domestic purposes as outlined in the A.R.S. §45-454 and that the water will be used solely for domestic purposes.
- þ By checking this box, I certify that this NOI application is not an application to replace, deepen, or modify an existing well.

| | |
|---|---|
| þ | By checking this box, I understand that the Authorization to drill this well DOES NOT constitute or guarantee an approval to use the well for the purpose of withdrawing groundwater for transportation to an Active Management Area (AMA) pursuant to A.R.S. § 45-552, 45-553, 45-554 or 45-555(A) without official prior approval from the Department. |
| þ | I certify the point of use for the water to be pumped from this well is the same ground water basin as this well. |

# ARIZONA DEPARTMENT OF WATER RESOURCES
## Electronic Filing - NOI Report

Phoenix, Arizona

NOI Type: Notice of Intent to Drill, Deepen, Replace or Modify a Well
Well Type: EXEMPT
Date Received at ADWR Website: 6/18/2015

Fee Paid: $100.00 Order Number: -3810

Well Registration Number: 55 - 918323
Number of Wells/Holes: 1 Drilling Authority Expires On: 6/18/2016

Driller's ADWR License Number: 141

Authorized Driller: UNIVERSAL DRILLING, INC.
ROC License Number Entered By Driller: 195223
Qualifying Party License Categories: C-53

Well Owner Name: GRANTHAM, WILLIAM
Well Owner Address: 37450 S. KAY EL BAR RD
Well Owner City, State - Zip: WICKENBUG, AZ - 85390
Well Owner Phone:

Book: 201 Map:15 Parcel: 001

Is the Land Owner the same as the Well Owner?: Yes

Well Location: **NE** 1/4 of the **NW** 1/4 of the **NW** 1/4 Section **1** Township **9 N** Range **5 W**

AMA: NOT WITHIN ANY AMA OR INA
County: YAVAPAI
Contamination Site: NOT IN A REMEDIAL ACTION SITE

Design Pumping Capacity: **<= 35 GPM**

Primary Water Use: **DOMESTIC**
Secondary Water Use(s): **N/A**

Is the proposed water use for domestic purposes on <= 5 acres?: **No**

Is any portion of the land, on which the well is to be located, within 100 feet of a designated municipal provider's operating water distribution system as shown on the municipal provider's most recent digitized service area map filed by the municipal provider with the director of ADWR. **N/A**

Will the installed pump have a pumping capacity of greater than 35 GPM, or will the well will be used to withdraw greater than 10 Acre Feet per year?: **N/A**

Variance(s) Granted To Driller: **None**

Certification(s) Made By Driller:

By checking this box, I certify that I have all necessary Registrar of Contractor (ROC) licenses in all necessary

- þ license categories for this drilling or abandonment project and that those licenses are current.
- þ By checking this box, I certify that I have been authorized by the above-named well owner to submit this Notice of Intent on the well owner's behalf.
- þ By checking this box, I certify that the information above is complete and correct, and that the well shall be drilled or abandoned in compliance with all pertinent statutes and rules, including any special standards that may be required to protect the aquifer or other water sources.
- þ By checking this box, I certify that the proposed well site is not within 100 feet of any septic tank system, sewage disposal area, landfill, hazardous waste facility, storage area of hazardous materials or petroleum storage areas and tanks.
- þ By checking this box, I certify that the proposed well's water use meets the criteria of domestic purposes as outlined in the A.R.S. §45-454 and that the water will be used solely for domestic purposes.
- þ By checking this box, I certify that this NOI application is not an application to replace, deepen, or modify an existing well.
- þ By checking this box, I understand that the Authorization to drill this well DOES NOT constitute or guarantee an approval to use the well for the purpose of withdrawing groundwater for transportation to an Active Management Area (AMA) pursuant to A.R.S. § 45-552, 45-553, 45-554 or 45-555(A) without official prior approval from the Department.
- þ I certify the point of use for the water to be pumped from this well is the same ground water basin as this well.

**Arizona Department of Water Resources**
Information Management Unit
PO Box 36020 l Phoenix, Arizona 85067-36020
(602) 771-8527 l 602-771-8500

# Well Driller Report and Well Log

THIS REPORT MUST BE FILED WITHIN **30 DAYS** OF COMPLETING THE WELL.

PLEASE PRINT CLEARLY USING BLACK OR BLUE INK

FILE NUMBER
**B(9-5) 1 BBA**

WELL REGISTRATION NUMBER
**55 - 918323**

PERMIT NUMBER (IF ISSUED)

## SECTION 1. DRILLING AUTHORIZATION

**Drilling Firm**

**Mail To:**

| | |
|---|---|
| NAME: UNIVERSAL DRILLING, INC. | DWR LICENSE NUMBER: 141 |
| ADDRESS: PO BOX 1027 | TELEPHONE NUMBER: 928-684-2886 |
| CITY / STATE / ZIP: WICKENBURG, AZ, 85358-1027 | FAX: |

## SECTION 1. REGISTRY INFORMATION

**Well Owner**

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL
GRANTHAM, WILLIAM

MAILING ADDRESS
37450 S. KAY EL BAR RD

CITY / STATE / ZIP
WICKENBUG, AZ, 85390

CONTACT PERSON NAME AND TITLE

TELEPHONE NUMBER

FAX

WELL NAME (e.g., MW-1, PZ-3, lot 25 Well, Smith Well, etc.)

**Location of Well**

WELL LOCATION ADDRESS (IF ANY)

| TOWNSHIP (N/S) | RANGE (E/W) | SECTION | 160 ACRE | 40 ACRE | 10 ACRE |
|---|---|---|---|---|---|
| | | | 1/4 | 1/4 | 1/4 |

| LATITUDE | | | LONGITUDE | | |
|---|---|---|---|---|---|
| ° | ' | "N | ° | ' | "W |

METHOD OF LATITUDE/LONGITUDE (CHECK ONE)
☐ USGS Quad Map ☐ Conventional Survey ☐ *GPS: Hand-Held ☐ *GPS: Survey-Grade

LAND SURFACE ELEVATION AT WELL
Feet Above Sea Level

METHOD OF ELEVATION (CHECK ONE)
☐ USGS Quad Map ☐ Conventional Survey ☐ *GPS: Hand-Held ☐ *GPS: Survey-Grade

*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE)
☐ NAD-83 ☐ Other (please specify)

COUNTY

ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)

| BOOK | MAP | PARCEL |
|---|---|---|
| 201 | 15 | 001 |

## SECTION 3. WELL CONSTRUCTION DETAILS

**Drilling Method**

CHECK ONE
- ☐ Air Rotary
- ☐ Bored or Augered
- ☐ Cable Tool
- ☐ Dual Rotary
- ☐ Mud Rotary
- ☐ Reverse Circulation
- ☐ Driven
- ☐ Jetted
- ☐ Air Percussion / Odex Tubing
- ☐ Other (please specify)

**Method of Well Development**

CHECK ONE
- ☐ Airlift
- ☐ Bail
- ☐ Surge Block
- ☐ Surge Pump
- ☐ Other (please specify)

**Condition of Well**

CHECK ONE
- ☐ Capped
- ☐ Pump Installed

**Method of Sealing at Reduction Points**

CHECK ONE
- ☐ None
- ☐ Packed
- ☐ Swedged
- ☐ Welded
- ☐ Other (please specify)

**Construction Dates**

DATE WELL CONSTRUCTION STARTED

DATE WELL CONSTRUCTION COMPLETED

*I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.*

SIGNATURE OF QUALIFYING PARTY

DATE

## Well Driller Report and Well Log

WELL REGISTRATION NUMBER
**55 - 918323**

### SECTION 4. WELL CONSTRUCTION DESIGN (AS BUILD) (attach additional page if needed)

**Depth**

| DEPTH OF BORING (Feet Below Land Surface) | DEPTH OF COMPLETED WELL (Feet Below Land Surface) |
|---|---|
| | |

**Water Level Information**

| STATIC WATER LEVEL (Feet Below Land Surface) | DATE MEASURED | TIME MEASURED | IF FLOWING WELL, METHOD OF FLOW REGULATION |
|---|---|---|---|
| | | | ☐ Valve ☐ Other: |

| Borehole | | | Installed Casing | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DEPTH FROM SURFACE | | | DEPTH FROM SURFACE | | | MATERIAL TYPE (T) | | | | PERFORATION TYPE (T) | | | | | | |
| FROM (feet) | TO (feet) | BOREHOLE DIAMETER (inches) | FROM (feet) | TO (feet) | OUTER (inches) | STEEL | PVC | ABS | IF OTHER TYPE, DESCRIBE | BLANK OR NONE | WIRE WRAP | SHUTTER SCREEN | MILLS KNIFE | SLOTTED | IF OTHER TYPE, DESCRIBE | SLOT SIZE (inches) |
| | | | | | | | | | | | | | | | | |
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**Installed Annular Material**

| DEPTH FROM SURFACE | | ANNULAR MATERIAL TYPE (T) | | | | | | | | FILTER PACK | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | BENTONITE | | | | | | |
| FROM (feet) | TO (feet) | NONE | CONCRETE | NEAT CEMENT OR CEMENT GROUT | CEMENT-BENTONITE GROUT | GROUT | CHIPS | PELLETS | IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE | SAND | GRAVEL | SIZE |
| | | | | | | | | | | | | |
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**Well Driller Report and Well Log**

WELL REGISTRATION NUMBER
**55 - 918323**

## SECTION 5. GEOLOGIC LOG OF WELL

| DEPTH FROM SURFACE FROM (feet) | TO (feet) | **Description** Describe material, grain size, color, etc. | Check (T) every interval where water was encountered (if known) |
|---|---|---|---|
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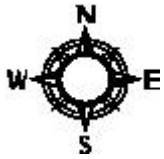
**Well Driller Report and Well Log**

WELL REGISTRATION NUMBER
**55 - 918323**

| **SECTION 6. WELL SITE PLAN** | | | |
|---|---|---|---|
| NAME OF WELL OWNER | COUNTY ASSESSOR'S PARCEL ID NUMBER (MOST RECENT) | | |
| | BOOK | MAP | PARCEL |
| GRANTHAM, WILLIAM | 201 | 15 | 001 |

v Please draw the following: (1) the boundaries of property on which the well was located; (2) the well location; (3) the locations of all septic tank systems and sewer systems on the property or within 100 feet of the well location, even if on neighboring properties; and (4) any permanent structures on the property that may aid in locating the well.

v Please indicate the distance between the well location and any septic tank system or sewer system.




**1" = _____ ft**

*Form 55-55 Instructions*

# Well Driller Report and Well Log

## Introduction

These instructions are a guide to filling out Form DWR 55-55 (Rev. 06/15/2010), entitled "Well Driller Report and Well Log." Please review the instructions prior to completing the form in black or blue ink. Forms may be obtained at any Arizona Department of Water Resources (ADWR) office and at ADWR's web site, http://www.azwater.gov. For information about the form or these instructions, contact Groundwater Permitting & Wells at (602) 771-8500. There is no fee for filing this form.

## When Form DWR 55-55 Must be Filed

Within 30 days after completion of the drilling, deepening or modification of a well, the licensed well driller who performed the work must file a Well Driller Report and Log with ADWR. Because the information in the report describes the well as it was actually constructed, and comes from the person who constructed the well, the information is very valuable to ADWR. For that reason, it is very important to fill out the report with the most accurate information possible.

## Instructions for Filling out the Form

### *Well Registration and Permit Numbers*

Fill in the registration number of the well and any ADWR permit number associated with the well in the upper right-hand corner of the first page. Also fill in the well registration number in the upper right-hand corner of all other pages so that the well information on those pages can be identified when the pages are separated during computer imaging.

### *Section 1 - Drilling Authorization*

Fill in the name, address, DWR license number and telephone and fax numbers of the drilling firm filing the report.

### *Section 2 - Registry Information*

*Well Owner*

Fill in the name, mailing address, telephone number and fax number (if available) of the well owner. If the well owner is a corporation, governmental unit or other entity, provide the name of a contact person.

*Location of Well*

Fill in the following information relating to the location of the well:

- The street address of the property where the well is located. For monitor wells or other wells associated with contaminant investigations or remedial projects, this will usually be the same as the facility address.

- The legal description of the well site. The legal description is the township, range, section, and in decreasing order, the quarters of that section so that the well location falls in a 10-acre block within that section. Normally, the legal description will be the same as that given in the original Notice of Intent to drill the well, but occasionally a more accurate description is discovered after the Notice is filed.

- The latitude and longitude (in degrees-minutes-seconds format) and land surface elevation at the well, and the method used to determine these data. **Please note this information is mandatory.** Use of a Global Positioning System (GPS) receiver is the only method accepted by the Department. The GPS unit should be adjusted to use the NAD-83 datum. Please indicate if the geographic coordinate datum used was NAD-83, and if not, which datum was used.

- The name of the county and the tax assessor's parcel identification number for the land where the well is located. This information can normally be taken from the original Notice of Intent to drill the well, and may also be obtained from the county tax assessor's office. Federal or State land will not have a parcel identification number.

### *Section 3 - Well Construction Details*

Section 3 requires details on the construction of the well. Indicate the drill method by checking the appropriate box. If the drill method is not listed, check the "Other" box and describe the method. To the right of that, indicate the method of well development by checking the

appropriate box. Next, indicate the method of sealing at reduction points. If the method used is not listed, check "Other" and provide a brief explanation. Under *Well Driller Completion Report and Well Log* Form 55-55 Instructions (Rev. 06/2010) Page 2

**Condition of Well,** indicate whether the well was capped, or a pump was installed, when you left it. Then fill in the date when well construction started, and the date when well construction was completed.

### *Signature Block*

The form must be signed and dated by the qualifying party of the drilling firm.

### *Section 4 - Well Construction Design (As Built)*

Section 4 contains tables to fill in information on the existing borehole, the installed casing and the installed annular material. The tables are broken down by depth interval.

In the first set of boxes, fill in the depth of the boring and the depth of the completed well, as measured in feet below the land surface.

Under **Water Level Information** please indicate the static water level in the well, as measured in feet below the land surface, and the date and time the water level was measured. If the well is a flowing well, include the method by which the artesian flow is regulated.

In the **Borehole** table, fill in the diameter of the borehole in inches, and indicate the depth interval for each change in diameter. In the **Installed Casing** table, fill in the outer diameter of the casing in inches, check the appropriate boxes indicating the type of casing material and the type of perforations, and fill in the slot size of any perforations. Fill in the depth interval for each change in information. Please note that not every interval will be perforated. Check the "Blank or None" box for non-perforated depth intervals. If the type of casing material or perforations is not listed, describe the type in the appropriate box.

In the **Installed Annular Material** table, check the appropriate boxes indicating the type of annular material or filter pack installed at each depth interval. Fill in the size of the filter pack used. Provide the depth interval for each change in information. If the type of annular material is not listed, describe the material in the appropriate box.

### *Section 5 - Geologic Log of Well*

Section 5 requires the geologic or lithologic log of the well. Describe the various units encountered during drilling. Provide as much description as possible. The log description must be broken down by depth intervals below ground surface, and every interval where groundwater, including perched groundwater, was encountered must be checked. If a consulting firm was involved with the well construction, the consultant's lithologic log may be submitted in lieu of completing Section 5.

### *Section 6 - Well Site Plan*

In the boxes at the top of Section 6, fill in the name of the well owner and the county tax assessor's parcel identification number for the land where the well is located. Below that, provide a scale drawing of where the well was actually constructed on the parcel, illustrating the property boundaries, the well location and any structures on the property. The drawing must also show the location of any septic tank or sewer systems on the property or within 100 feet of the well, even if on neighboring property, and the distance between the well and the septic tank or sewer system. The drawing should closely match the drawing on the original Notice of Intent to drill the well, but the purpose of this drawing is to show where the well was actually drilled, especially if the location is different than originally planned. This information will be shared with the county.

### Where to File Form

Completed forms may be mailed to ADWR at the following address:

**Arizona Department of Water Resources**
Groundwater Permitting and Wells
PO Box 36020
Phoenix, AZ 85067-36020

Completed forms may also be submitted to ADWR's main office at 3550 North Central Avenue, Second Floor., Phoenix, AZ 85012.

The completed form must be legible and of good quality when received by ADWR so that it can be scanned into ADWR's permanent records.

ARIZONA DEPARTMENT of WATER RESOURCES
3550 North Central Avenue, Second Floor
Phoenix, AZ 85012
602-771-8500
azwater.gov

June 18, 2015

WILLIAM GRANTHAM
37450 S. KAY EL BAR RD
WICKENBUG, AZ 85390

DOUGLAS A. DUCEY
Governor

THOMAS BUSCHATZKE
Director

Registration No. 55- 918323
File Number: B(9-5) 1 BBA

Dear Well Applicant:

Enclosed is a copy of the Notice of Intention to Drill (NOI) a well which you or your driller recently filed with the Department of Water Resources. This letter is to inform you that the Department has approved the NOI and has mailed, or made available for download, a drilling authorization card to your designated well drilling contractor. The driller may not begin drilling until he/she has received the authorization, and must keep it in their possession at the well site during drilling.

Well drilling activities must be completed within one year after the date the NOI was filed with the Department. If drilling is not completed within one year, a new NOI must be filed and authorization from this Department received before proceeding with drilling. If the well cannot be successfully completed as initially intended (dry hole, cave in, lost tools, etc.), the well must be properly abandoned and a Well Abandonment Completion Report must be filed by your driller [as required by A.A.C. R12-15-816(F)].

If you change drillers, you must notify the Department of the new driller's identity on a Request to Change Well Information (form 55-71A). Please ensure that the new driller is licensed by the Department to drill the type of well you require. A new driller may not begin drilling until he/she receives a new drilling authorization card from the Department.

If you find it necessary to change the location of the proposed well(s), you may not proceed with drilling until you file an amended NOI with the Department. An amended drilling authorization card will then be issued to the well drilling contractor, which must be in their possession before drilling begins.

Arizona statute [A.R.S. § 45-600] requires registered well owners to file a Pump Installation Completion Report (form 55-56) with the Department within 30 days after the installation of pumping equipment, if authorized. A blank report is enclosed for your convenience. State statute also requires the driller to file a complete and accurate Well Drillers Report and Well Log (form 55-55) within 30 days after completion of drilling. A blank report form was provided to your driller with the drilling authorization card. You should insist and ensure that all of the required reports are accurately completed and timely filed with the Department.

Please be advised that Arizona statute [A.R.S. § 45-593(C)] requires a registered well owner to notify the Department of a change in ownership of the well and/or information pertaining to the physical characteristics of the well in order to keep this well registration file current and accurate. Any change in well information or a request to change well driller must be filed on a Request to Change Well Information form (form 55-71A) that may be downloaded from the ADWR Internet website at www.azwater.gov.

Sincerely,

Groundwater Permitting and Wells Section

**Arizona Department of Water Resources**
Information Management Unit
PO Box 36020 , Phoenix, AZ 85067-36020
(602) 771-8527 ▪ 1-800-352-8488

# Pump Installation Completion Report

- Review instructions prior to completing form in black or blue ink.
- The registered well owner shoud file this report with the Department within 30 days following installation of pump equipment.

** PLEASE PRINT CLEARLY **

FILE NUMBER
**B(9-5) 1 BBA**
WELL REGISTRATION NUMBER
55 - 918323

## SECTION 1. REGISTRY INFORMATION

### Well Owner

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL
GRANTHAM, WILLIAM

MAILING ADDRESS
37450 S. KAY EL BAR RD

CITY / STATE / ZIP
WICKENBUG, AZ, 85390

CONTACT PERSON NAME AND TITLE

TELEPHONE NUMBER

FAX

### Location of Well

WELL LOCATION ADDRESS (IF ANY)

| TOWNSHIP (N/S) | RANGE (E/W) | SECTION | 160 ACRE 1/4 | 40 ACRE 1/4 | 10 ACRE 1/4 |
|---|---|---|---|---|---|
| | | | | | |

COUNTY ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)

| BOOK | MAP | PARCEL |
|---|---|---|
| 201 | 15 | 001 |

COUNTY WHERE WELL IS LOCATED

## SECTION 2. EQUIPMENT INSTALLED

DATE PUMP INSTALLED

### Pump Type

CHECK ONE

- ☐ Air Lift
- ☐ Bucket
- ☐ Centrifugal
- ☐ Jet
- ☐ Piston
- ☐ Rotary
- ☐ Submersible
- ☐ Turbine
- ☐ Other *(Please Specify):*

RATED PUMP CAPACITY
Gallons Per Minute

### Pitless Adaptor

CHECK ONE *(SEE INSTRUCTIONS FOR DEFINITION)*

Was a pitless adaptor installed? ☐ Yes ☐ No

IF YES, DEPTH BELOW GROUND LEVEL THE DEVICE WAS INSTALLED
Feet

### Power Type

CHECK ONE

- ☐ Diesel Engine
- ☐ Electric Motor
- ☐ Gasoline Engine
- ☐ Hand
- ☐ Natural Gas
- ☐ Windmill
- ☐ Other *(Please Specify):*

HORSE POWER RATING OF MOTOR

## SECTION 3. PUMP TEST

### Pump Test Data

DATE WELL TESTED

STATIC WATER LEVEL (A)
Feet Below Land Surface

PUMPING WATER LEVEL (B)
Feet Below Land Surface

DRAWDOWN [ (B) - (A) ]
Feet Below Land Surface

TEST PUMPING RATE
Gallons Per Minute

DURATION OF PUMP TEST (Minimum 4 Hours)
Hours

TOTAL PUMPING LIFT
Feet

FOR FLOWING WELL, MEASURED SHUT IN HEAD ☐ FT ☐ PSI

### Method of Discharge Measurement

CHECK ONE

- ☐ Bailer
- ☐ Bucket - Barrel - Stopwatch
- ☐ Current
- ☐ Estimated - Air Lift
- ☐ Gauge
- ☐ Meter
- ☐ Orifice
- ☐ Volume
- ☐ Weir - Flume
- ☐ Other *(Please Specify):*

### Method of Measuring Water Level

CHECK ONE

- ☐ Air Line
- ☐ Electric Measuring Line (Sounder)
- ☐ Steel Tape
- ☐ Other *(Please Specify):*

*I HEREBY CERTIFY that the above statements are true to the best of my knowledge and belief according to A.R.S. § 45-600(B).*

SIGNATURE OF WELL OWNER

DATE

*Form 55-56 Instructions*

# Pump Installation Completion Report

## Introduction

These instructions are a guide to filling out Form DWR 55-56 (Rev. 07/20/07), entitled "Pump Installation Completion Report." Please review the instructions prior to completing the form in black or blue ink. Forms may be obtained at any Arizona Department of Water Resources (ADWR) office and at ADWR's Web site, http://www.azwater.gov. For information about the form or these instructions, contact the Supervisor of the Notice of Intent Program at (602) 771-8500. There is no fee for filing this form.

## When Form DWR 55-56 Must be Filed

A Pump Installation Completion Report must be filed by the owner of a well within 30 days after a pump is installed in the well. It is recommended that the report be filled out with the assistance of the firm that installed the pump. The information in the report, including where the well is located, who owns the well, and what pump equipment was installed in the well, will be placed in ADWR's database of all wells in Arizona. Because the report will describe conditions in the well as they actually exist, the information is very valuable to ADWR. For that reason, it is very important to fill out the report with the most accurate information possible.

## Instructions for Filling out the Form

### *Well Registration Number*

Fill in the registration number of the well in the box in the upper right-hand corner of the form. If this is a new well, the number will be the registration number that ADWR assigned to the well when the Notice of Intent to drill the well was filed.

### *Section 1 - Registry Information*

*Well Owner*

Fill in the well owner's name, mailing address and telephone and fax numbers. If the well owner is a corporation, governmental unit or other entity, provide the name of a contact person.

*Location of Well*

Fill in the following information relating to the location of the well:

The street address of the property where the well is located, if the property has a street address.

- The legal description of the well location. The legal description is the township, range, section, and in decreasing order, the quarters of that section so that the well location falls in a 10-acre block within that section. This will usually be the same as the legal description for the well location submitted with the original Notice of Intent to drill the well, but occasionally a more accurate legal description is discovered after the Notice is filed.

- The county tax assessor's parcel identification number for the land where the well is located. This information can normally be taken from the original Notice of Intent to drill the well, and may also be obtained from the county tax assessor's office. Federal or State land will not have a parcel identification number.

- The name of the county where the well is located.

### *Section 2 - Equipment Installed*

Section 2 requires information on the pump equipment installed in the well. In the space in the upper left-hand corner of the section, fill in the date the pump equipment was installed.

**Pitless adaptor** is defined in Arizona Administrative Code R12-15-801(21), as a commercially manufactured watertight unit or device designed for attachment to a steel well casing which permits discharge from the well below the land surface and allows access into the well casing while preventing contaminants from entering the well. In the box labeled **Pitless Adaptor,** check yes if a pitless adaptor was installed and note at what depth below grade the device was installed.

In the block labeled **Pump Type**, check the appropriate box indicating the type of pump installed. If the type of pump is not listed, check "Other" and describe the pump type. Below that block, fill in the rated pump capacity of the pump in gallons per minute.

In the block labeled **Power Type**, check the appropriate box indicating the type of power the pump uses. If the type of power is not listed, check "Other" and describe the power type. Below that block, fill in the horsepower rating of the

motor. This information can be obtained from the firm that installed the pump.

### *Section 3 - Pump Test*

Section 3 contains three blocks for providing information on the results of the pumping test that is required to be performed on the well and pump. In the block labeled **Pump Test Data**, fill in the following information:

- The date the well was tested.
- The static water level in the well. This is the water level in the well immediately prior to the pumping test, as measured in feet below the land surface.
- The pumping water level. This is the water level in the well immediately after the pump was operated for at least four hours, as measured in feet below the land surface.
- Drawdown. This is the difference between the pumping water level and the static water level.
- The pumping rate during the test, as measured in gallons per minute.
- The duration of the pumping test, which must be at least four hours of continuous operation.
- The total pumping lift, if known, as measured in feet.
- If the well is a flowing or artesian well, the shut-in pressure head in feet or pounds per square inch.

In the block labeled **Method of Discharge Measurement**, check the appropriate box indicating how the discharge was measured during the pumping test. If the method of measurement is not listed, check "Other" and provide a brief description of the method.

In the block labeled **Method of Measuring Water Level**, check the appropriate box indicating the method by which the water levels were measured during the pumping test. If the method used is not listed, check "Other" and provide a brief description of the method.

### *Signature Block*

The form must be signed and dated by the well owner.

### Where to File Form

Completed forms may be mailed to ADWR at the following address:

**Arizona Department of Water Resources**
Groundwater Permitting and Wells
PO Box 36020
Phoenix, AZ 85067-36020

Completed forms may also be submitted to ADWR's main office in Phoenix at 3550 North Central Avenue, Second Floor Phoenix, Az. 85012.

The completed form must be legible and of good quality when received by ADWR so that it can be scanned into ADWR's permanent records.

ARIZONA DEPARTMENT of WATER RESOURCES
3550 North Central Avenue, Second Floor
Engineering and Permits Division
Phoenix, AZ 85012
602-771-8500

# NOTICE TO WELL DRILLERS

**This is a reminder that a valid drill card be present for the drilling of each and every well constructed on a site.* The problem seems to occur during the construction of a well when an unexpected problem occurs. Either the hole collapses, the hole is dry, a drill bit is lost and can't be recovered, or any number of other situations where the driller feels that he needs to move over and start another well. If you encounter this type of scenario, please be aware drillers do not have the authority to start another well without first obtaining drilling authority for the new well. Please note the following statutes and regulations pertaining to well drilling and construction:**

**ARIZONA REVISED STATUTE (A.R.S.)**

**A.R.S. § 45-592.A.**

**A person may construct, replace or deepen a well in this state only pursuant to this article and section 45-834.01. The drilling of a well may not begin until all requirements of this article and section 45-834.01, as applicable, are met.**

***

**A.R.S. § 594.A.**

**The director shall adopt rules establishing construction standards for new wells and replacement wells, the deepening and abandonment of existing wells and the capping of open wells.**

***

**A.R.S. § 600.A**

**A well driller shall maintain a complete and accurate log of each well drilled.**

# ARIZONA ADMINISTRATIVE CODE (A.A.C.)

**A.A.C. R12-15-803.A.**
**A person shall not drill or abandon a well, or cause a well to be drilled or abandoned, in a manner which is not in compliance with A.R.S. Title 45, Chapter 2, Article 10, and the rules adopted thereunder.**

*******

**A.A.C. R12-15-810.A.**
**A well drilling contractor or single well licensee may commence drilling a well only if the well drilling contractor or licensee has possession of a drilling card at the well site issued by the Director in the name of the well drilling contractor or licensee, authorizing the drilling of the specific well in the specific location.**

*******

**A.A.C. R12-15-816.F.**
**In the course of drilling a new well, the well may be abandoned without first filing a notice of intent to abandon and without an abandonment card.**

*** THIS REQUIREMENT DOES NOT PERTAIN TO THE DRILLING OF MINERAL EXPLORATION, GEOTECHNICAL OR HEAT PUMP BOREHOLES**

**Arizona Department of Water Resources**
Groundwater Permitting and Wells Section
PO Box 36020 , Phoenix, AZ 85067-36020
(602) 771-8527 ▪ 1-800-352-8488
www.azwater.gov

**Landowner Authorization to Drill or Abandon a Well on Landowner's Parcel**

## Landowner Authorization to Drill or Abandon a Well by a Third Party on Landowner's Parcel Pursuant to A.R.S. § 45-596 and A.A.C. R12-15-809

| FILE NUMBER |
|---|
| **B(9-5) 1 BBA** |
| WELL REGISTRATION NUMBER |
| 55 - 918323 |

The Arizona Department of Water Resources requires a well driller or well owner to obtain written permission from the owner of the land on which they intend to drill or abandon a well. Landowners, or their designated representative, must authorize the well to be drilled or abandoned with their signature on the Notice of Intent or on this form, to be attached to the Notice of Intent form.

PARCEL ADDRESS _____

COUNTY PARCEL ID 201 - 15 - 001 COUNTY YAVAPAI
BOOK MAP PARCEL

In accordance with A.R.S. § 45-496 and A.A.C. R12-15-809, I certify that:

¨ I am the owner of the parcel on which I am giving permission for a well to be ¨ drilled or ¨ abandoned.

¨ I am an authorized representative of the owner of the parcel on which I am giving permission for a well to be ¨ drilled or ¨ abandoned.

| SIGNATURE | |
|---|---|
| TYPE OR PRINT NAME OF LANDOWNER / RESPRESENTATIVE | TITLE |
| SIGNATURE | DATE SIGNED |