



Arizona Department of Water Resources
Groundwater Permitting and Wells
1802 W Jackson St. Box #79
Phoenix, Arizona 85007
(602) 771-8527 • www.azwater.gov

Well Driller Report and Well Log

THIS REPORT MUST BE FILED WITHIN 30 DAYS OF COMPLETING THE WELL.
PURSUANT TO ARIZONA REVISED STATUTE 45-600 AND A.A.C. RULE R12-15-808.

WELL DRILLER LOGS AND REPORTS CAN ALSO BE DONE ONLINE AT:
http://www.azwater.gov/eForms/Forms/DL/DWR_DL.aspx

FILE NUMBER

D(17-14) 29 DCA

WELL REGISTRATION NUMBER

55 - 241989

PERMIT NUMBER (IF ISSUED)

SECTION 1. DRILLING AUTHORIZATION

Drilling Firm

Mail To:	NAME	DWR LICENSE NUMBER
	LAYNE CHRISTENSEN COMPANY	7
	ADDRESS	TELEPHONE NUMBER
	12030 EAST RIGGS ROAD	480-416-0035
	CITY / STATE / ZIP	FAX
	CHANDLER, AZ, 85249-3701	

SECTION 2. REGISTRY INFORMATION

Well Owner

Location of Well

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL COPPER WORLD, INC.		WELL LOCATION ADDRESS (IF ANY)					
MAILING ADDRESS 5285 E WILLIAMS CIRCLE STE 2010		TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
CITY / STATE / ZIP TUCSON, AZ, 85711		17 S	14 E	29	SE 1/4	SW 1/4	NE 1/4
CONTACT PERSON NAME AND TITLE		LATITUDE 31° 31' 00" N	LONGITUDE 110° 55' 00" W				
TELEPHONE NUMBER 520 260-3490		METHOD OF LATITUDE/LONGITUDE (CHECK ONE)					
FAX		☒ *GPS: Hand-Held ☐ *GPS: Survey-Grade ☐ TOPO					
WELL NAME (e.g., MW-1, PZ-3, lot 25 Well, Smith Well, etc.) SS-2B_1		METHOD OF ELEVATION (CHECK ONE)					
COUNTY PIMA		☐ *GPS: Hand-Held ☐ *GPS: Survey-Grade ☐ TOPO					
ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)		LAND SURFACE ELEVATION AT WELL					
BOOK 303		ELEVATION _____ Feet Above Sea Level					
MAP 54		METHOD OF ELEVATION (CHECK ONE)					
PARCEL 005B		☐ NAVD88 ☐ NGVD29 ☐ OTHER _____					

SECTION 3. WELL CONSTRUCTION DETAILS

Drilling Method	Method of Well Development	Method of Sealing at Reduction Points
CHECK ONE ☐ Air Rotary ☐ Bored or Augered ☐ Cable Tool ☐ Dual Rotary ☐ Mud Rotary ☒ Reverse Circulation ☐ Driven ☐ Jetted ☐ Air Percussion / Odex Tubing ☐ Other (please specify)	CHECK ONE ☒ Airlift ☐ Bail ☐ Surge Block ☐ Surge Pump ☐ Other (please specify) Condition of Well CHECK ONE ☒ Capped ☐ Abandoned ☐ Pump Installed ☐ Not Drilled	CHECK ONE ☒ None ☐ Packed ☐ Swedged ☐ Welded ☐ Other (please specify) Construction Dates DATE WELL CONSTRUCTION STARTED 12/11/24 DATE WELL CONSTRUCTION COMPLETED 12/17/24

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

11-29-24

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
1802 W Jackson St. Box #79
Phoenix, AZ 85007

Completed forms may also be submitted to ADWR's main office in Phoenix at 1110 W. Washington St. Suite 310 Phoenix, Az. 85007.

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.

WELL REGISTRATION NUMBER
55 - 241989

Depth

DEPTH OF BORING

1280

Feel Below Land Surface

DEPTH OF COMPLETED WELL

1276

Feet Below Land Surface

STATIC WATER LEVEL

209

Feet Below Land Surface

DATE MEASURED

11/15/24

TIME MEASURED

12:00

IF FLOWING WELL, METHOD OF FLOW REGULATION

☐ Valve ☐ Other:[illegible]

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 241989

SECTION 5. GEOLOGIC LOG OF WELL

[illegible]

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 241989

SECTION 6. WELL SITE PLAN

NAME OF WELL OWNER COPPER WORLD, INC.	COUNTY ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)		
	BOOK 303	MAP 54	PARCEL 005B

- ❖ Required for all wells, 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.

						
See attached						



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 filling 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

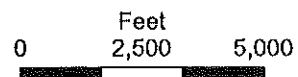
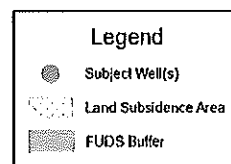
Well: SS-2B

Upper Interval	Upper Interval	Interval Description
0	40	NO SAMPLE (0-40 FT.)
40	80	LIGHT BROWN SAND- CRSE (20%)- MED SAND (40%), FN SAND (25%) WELL SORTED, WITH SILT AND CLAY (15%) (5YR 6/4)
80	120	LIGHT BROWN POORLY SORTED GRAVEL (60%) WITH MED SAND (20%) FN SAND (10%) WITH SILT & CLAY (10%) (5YR 6/4)
120	150	LIGHT BROWN SAND- CRSE TO FN (60%) WITH POORLY SORTED GRAVEL (SUB ANGULAR) (30%), WITH SILT AND CLAY (10%) (5YR 6/4)
150	180	LIGHT BROWN POORLY SORTED SUB ANGULAR GRAVEL (70%) WITH MED SAND (20%) TO FN SAND (10%) (5YR 6/4)
180	260	LIGHT BROWN POORLY SORTED GRAVEL (70%) WITH MED SAND (20%) TO FN SAND (10%) (5YR 7/2)
260	350	LIGHT BROWN SAND- CRSE (20%)- MED SAND (40%), FN SAND (25%) WELL SORTED, WITH SILT AND CLAY (15%) (5YR 7/2)
350	470	INTERBEDDED SAND-SILT/CLAY, SAND- MED (40%), FINE (20%) WITH SILT/CLAY (40%) (5YR 7/2)
470	510	LIGHT BROWN, WELL SORTED SAND, CRSE (10%), MED (15%), FN (75%) (5YR 7/2)
510	700	INTERBEDDED SAND-SILT/CLAY, SAND- MED (40%), FINE (20%) WITH SILT/CLAY (40%) (5YR 7/2)
700	980	INTERBEDDED SAND/SILT/CLAY- LIGHT BROWN SAND, MED (25%), FN (25%) WITH SILT/CLAY (50%) (5YR 7/2)

980	1020	LIGHT BROWN, WELL SORTED SAND, MED (30%), FINE (60%) WITH SILT/CLAY (10%) (5YR 7/2)
1020	1040	LT BN WELL SORTED SAND, MED (20%), FINE (40%), SILT/CLAY (40%) (5YR 7/2)
1040	1130	INTERBEDDED SAND-SILT/CLAY, SAND- MED (40%), FINE (20%) WITH SILT/CLAY (40%) (5YR 7/2)
1130	1180	LIGHT BROWN, WELL SORTED SAND, FINE (50%) WITH SILT/CLAY (50%) (5YR 7/2)
1180	1190	SAND & SILT/CLAY (1,190-1,200 FT.)
1190	1200	SAND (1,200-1,250 FT.)
1200	1250	LIGHT BROWN, WELL SORTED SAND, CRSE (20%), MED (65%), FN (15%) (5YR 7/2)
1250	1280	LT BN SILT/CLAY (70%) WITH SAND FN (30%) (5YR 7/2)
1280	1320	INTERBEDDED LIGHT BROWN SAND AND SILT/CLAY, SAND, FINE (60%), SILT/CLAY, (40%) (5YR 7/2)
1320	1350	LT BN SILT/CLAY (70%) WITH SAND FN (30%) (5YR 7/2)



**Proposed Non-Exempt Well
#55-241989
Copper World, Inc.
Sahuarita AFR**





Jacob Ortega <jortega@azwater.gov>

1 Mineral Extraction Well (#55-241988) - Green Valley Feature

2 messages

Jacob Ortega <jortega@azwater.gov>

Thu, Oct 31, 2024 at 10:22 AM

To: Brian Conway <bdconway@azwater.gov>

Cc: Robert Narmour <rnarmour@azwater.gov>

Hi Brian,

We received NOIs to drill 3 min-ex wells (#55-247987, #55-241988, #55-241989) with one of them (#55-241988) being located within the Green Valley Feature in the Tucson AMA.

The applicant is requesting a withdrawal volume of 1,500 acre-ft a year and proposes to drill the well to a total depth of 1,330 feet below land surface.

Let me know if you have any comments or concerns.

--

Jacob Ortega

Hydrogeologist, Groundwater Permitting & Wells

Arizona Department of Water Resources

(602) 771-8347

jortega@azwater.gov

<https://new.azwater.gov/>**Copper World Subsidence Figure.pdf**

367K

Brian Conway <bdconway@azwater.gov>

Thu, Oct 31, 2024 at 10:51 AM

To: Jacob Ortega <jortega@azwater.gov>

Cc: Robert Narmour <rnarmour@azwater.gov>

Good morning Jacob,

I don't have any issues about the proposed wells and no additional monitoring will be required,

Thanks,

Brian

[Quoted text hidden]