

Arizona Department of Water Resources

**Well Registry Data Handbook for
Well Registry Web Application**

2009



Well Registry Database Handbook
INTRODUCTION

History of Well Registry

The first statewide registration of wells began in 1945, when all irrigation wells that pumped greater than 100 gallons per minute in Critical Groundwater Areas had to be registered with the Arizona State Land Department (ASLD). This database is referred to as the WELLS-35 database because the ASLD began attaching 35-prefix numbers to wells sometime during the 1970's and continued until the establishment of the Department of Water Resources in 1980. This database no longer has any statutory recognition since it has been superseded by the Wells-55 database. The Wells-35 database is currently an inactive file and is no longer maintained or updated.

ADWR Well Index (Wells 55)

The 55 files contain Notices of Intent to Drill or to Modify or Deepen, Registrations, Driller Reports, Completion Reports, Change of Well information, Change of Ownership, Notice of Well Capping, Notices of Intent to Abandon, and Abandonment Completion Reports.

As of July 12, 2005

55 Series	Description
55-08xxxx	Well registrations 55-084580 thru 55-087835 were a continuation of the numbering system (35-xxxxx) that was used by the Arizona State Land Department (ASLD) from the late 1960's thru 6/12/80. After 6/12/80, when ADWR took over the responsibility of regulating wells, it simply modified the ASLD number by replacing the 35 with a 55 and by placing a zero (0) in front of the next number to be issued. This system of numbering was replaced on 5/26/81 by the 55-5xxxxx series of numbers.
55-1xxxxx	Unassigned.
55-2xxxxx	New wells, as defined by § 45-591. Continuation of the 55-5xxxxx series of sequential numbers that ran from 5/26/81 thru 9/16/03 and was replaced on 8/15/03 by the 55-2xxxxx sequence of numbers.
55-3xxxxx	Unassigned.
55-4xxxxx	When an unregistered well is listed on a Notice of Intention to Abandon (NOIA) form, ADWR assigns a 55-4xxxxx series number for administrative purposes. The first number (55-400001) was issued on 3/23/98.
55-5xxxxx	New wells, as defined by § 45-591. The first number (55-500001) was assigned on 5/26/81 and the last number (55-599998) was assigned on 9/16/03. The 55-5xxxxx series of numbers was replaced by the 55-2xxxxx series on 9/16/03.
55-6xxxxx	Existing wells, as defined by § 45-591, that were registered on or before 6/12/82 in accordance with § 45-593 (A). During the period 11/12/81 thru 6/12/82, well registrations 55-600001 thru 55-651503 were assigned.
55-7xxxxx	Unregistered wells that were discovered by ADWR's WQARF Section during an inventory of wells found within the boundaries of a WQARF site. The WQARF Section assigns a 55-7xxxxx series number for administrative purposes. The first number (55-700001) was assigned on 7/17/01.
55-8xxxxx	Existing wells, as defined by § 45-591, that were registered in accordance with § 45-593(A) after the 6/12/82 deadline.
55-9xxxxx	New wells, as defined by § 45-591, that were authorized pursuant to the filing of an electronic Notice of Intention to Drill (eNOI) form. The first registration number assigned as a result of an eNOI filing was 55-900000, which was issued on 1/7/04.

TABLE DESCRIPTIONS

Listed below are the main Well Registry data tables provided in the Well Registry web application, and a brief description of the data fields available within each.

<u>Web Source</u>	<u>Table Name</u>	<u>Table Description</u>
Search Page	Results	Well Registry Search page results.
Details Page	General Tab	Main table- general location, use, and site data.
Details Page	Construction Tab	Well construction and pump computation information.
Details Page	Status Tab	Well status codes and descriptions.
Details Page	Owner Tab	Well owner history, contact information.
Details Page	Driller Tab	Well driller and license information.
Details Page	Pump Data Tab	Link for permit number and associated pumping data.

Search Results	
Field Name	Description
Reg No.	Unique well registration ID number. Often prefaced by "55-" in reports.
GWSI Site ID	GWSI 15-digit identification number assigned to a GWSI site that has been matched to this Well Registry well.
Legal Description	12-digit Cadastral.
Owner Name	Current owner name in Well Registry database, can either be person's first and last name, or company name.
Well Type	One of four different well type categories: exempt, non-exempt, monitor, and other.
Well Depth (ft)	Depth of the well bore hole in feet.
Case Depth (ft)	Depth of the casing within the well bore hole in feet.
Drill Date	Date the well construction was completed.
Water Level	Depth to water in feet. Typically reported when the well was drilled.
Pump Capacity (GPM)	Tested pump capacity in gallons per minute. The pump used for this test could have been installed only at the time the well was drilled then removed.
Pump Data Available	YES / NO field that indicates if this well has pump data reported for it.
Completion Report	Status flag for indicating the completion report (CRT) status for a well. (X = CRT is in file, N = CRT not required, C = CRT considered complete, A = Abandoned).
Log Received	Status flag for indicating the well log form status for a well. (X = Log is in file, N = Log not required, C = Log considered complete).
UTM X (meters)	X coordinate for well (NAD 83 UTM Zone 12N). Coordinates reflect centroid of well's reported cadastral location.
UTM Y (meters)	Y coordinate for well (NAD 83 UTM Zone 12N). Coordinates reflect centroid of well's reported cadastral location.

General Tab	
Field Name	Description
Header	
Registration Number	Unique well registration ID number. Often prefaced by "55-" in reports.
Well Information	
Site Type (code)	Code letters for well site type.
Site Type (description)	Description for well site type.
Well Type (code)	Code letter for the general type of well.
Well Type (description)	Description for the general type of well.
Replaces Well 55-	ID number for the well that replaces this one.
Location Information	
Cadastral	12-digit Cadastral.
Book	Largest part of the County Assessor's parcel location. (Book Map Parcel).
Map	Smaller part of the County Assessor's parcel location. (Book Map Parcel).
Parcel	Smallest part of the County Assessor's parcel location. (Book Map Parcel).
Latitude	Reported latitude for the well.
Longitude	Reported longitude for the well.
Basin and County Information	
Basin	Full name of the groundwater basin.
Subbasin (Code)	Code letter of the groundwater subbasin in Arizona.
Subbasin (Description)	Full name of the groundwater subbasin.
Watershed (Code)	Code letters for the surface watershed.
Watershed (Description)	Code letters for the watershed.
AMA (Code)	Code letter for the ADWR Active Management Area or Irrigation Non-Expansion Area.
AMA (Description)	Full name of the Active Management Area or Irrigation Non-Expansion Area.
County (Code)	Code numbers for the county.
County (Description)	County name.
Site Uses	
Site Use 1	Primary well site use.
Site Use 2	Secondary well site use.
Site Use 3	Tertiary well site use.
Water Uses	
Water Use 1	Primary well water use.
Water Use 2	Secondary well water use.
Water Use 3	Tertiary well water use.
GWSI Well Information	
GWSI Site ID	GWSI 15-digit identification number assigned to a GWSI site that has been matched to this Well Registry well.
GWSI Local ID	GWSI unique identifier assigned to a GWSI site that has been matched to this Well Registry well.

Construction Tab	
Field Name	Description
Header	
Registration Number	Unique well registration ID number. Often prefaced by "55-" in reports.
Well Construction Information	
Well Depth (ft)	Depth of the well bore hole in feet.
Water Level (ft bls)	Depth to water in feet below land surface. Typically reported when the well was drilled.
Casing Depth (ft)	Well casing depth in feet.
Casing Diameter (in)	Well casing diameter in inches.
Casing Type (code)	Code letter for the type of well casing used to line the inside of the well bore hole.
Casing Type (description)	Full description of the type of well casing used in a well bore hole.
Well Data	
No. of Holes	Number of well bore holes drilled very closely together usually for mineral exploration.
Irrigated Acres	Number of agriculture acres irrigated by this well.
Acre Ft Annum	Total amount of water that can be withdrawn from this well annually in acre feet.
Intended Capacity (GPM)	Proposed pump capacity, in gallons per minute, on Notice of Intent to Drill form.
Pump Completion Report	
Tested Capacity(GPM)	Tested pump capacity in gallons per minute.
Pump Capacity(GPM)	Rated pump capacity in gallons per minute.
Draw Down (ft)	Tested pump capacity in gallons per minute. The pump used for this test could have been installed only at the time the well was drilled then removed.
Pump Type (code)	Code letter for the type of pump installed on the well.
Pump Type (Description)	Full description of the type of pump installed on the well.
Power Type (code)	Code letter for the well pump power source.
Power Type (Description)	Description for the well pump power source.
Method of Discharge (code)	Code letter for the type test method used to measure the pump discharge (or yield).
Method of Discharge (description)	Descriptive label for the well yield measurement method.
Place of Use	
Township	Township number (1 - 42 north or 1 - 24 south) for the cadastral location.
½ T	Township direction (N or S).
N/S	Code indicating whether the township is a half-township (5) or not (0).
Range	Range number (1 - 32 east or 1 - 25 west) for the cadastral location.
½ R	Range number (1 - 32 east or 1 - 25 west) for the cadastral location.
E/W	Range direction (E or W).
Section	Section number, typically (1 - 36), for the cadastral location of the well.
160 ACRE	Code letter for the 160 acre quarter section subdivision. (A-D).
40 ACRE	Code letter for 40 acre quarter-quarter section subdivision. (A-D).
10 ACRE	Code letter for 10 acre quarter-quarter section subdivision. (A-D).
CADASTRAL	12-digit Cadastral.

Status Tab	
Field Name	Description
Header	
Registration Number	Unique well registration ID number. Often prefaced by "55-" in reports.
Well Status	
Application Date	The date of the well application.
Well Accepted (code)	Code letter indicating if well application was accepted by ADWR.
Well Accepted (description)	YES / NO field indicating if well application was accepted by ADWR.
Log Received (code)	Code letter indicating status of the well log form for a well.
Log Received (description)	Description of well log form status for a well.
Log Canceled (code)	Code letter indicating if well has been cancelled (or abandoned).
Log Canceled (Description)	YES / NO field indicating if well has been cancelled (or abandoned).
Action Date	Date of well application action.
Action Code	Code number for well application action.
Action Description	Description of well application action.
Action Comments	Any comments about well registration action by ADWR staff.
Comments	Any comments about well registration process for the well by ADWR staff.

Owner Tab	
Field Name	Description
Header	
Registration Number	Unique well registration ID number. Often prefaced by "55-" in reports.
Owner Information	
Begin Date	Date when this owner became the current owner for this particular well.
End Date	Date when this owner stopped being the current owner for this particular well.
Owner Type	Description of owner type.
First Name	Owner or primary contact last name.
Last Name	Owner or primary contact first name.
Company	Organization or Company Name of Owner.
Street Address	
Address 1	First address line.
Address 2	Second address line.
City	City name.
State	2 character state code.
ZIP	5 digit zip code.
ZIP4	Last 4 digit zip code if available.
Phone Numbers	
Country Code	Country abbreviation for primary phone number.
Phone	Full primary phone number.
Ext	Phone number extension.
Cell	Cell phone number.
Home	Home phone number.
Registered Name	YES / NO field indicating that this name was provided via formal ADWR processes such as the NOI application process or the Change of Well Owner/Information process.
Comments	Comments about well owner name or address by ADWR staff.

Driller Tab	
Field Name	Description
Header	
Registration Number	Unique well registration ID number. Often prefaced by "55-" in reports.
Driller Information	
Lic no	ADWR drilling contractor license number.
Company	Well driller company name.
Address 1	Well driller company address.
Address 2	Second line of driller address.
City	Well driller company city.
State	Well driller company state.
Zip	Well driller company postal ZIP code.
Phone	Well driller company telephone area code and number.
Driller License Information	
Active License	Active or Inactive code and description.
Issue Date	Date the drill license was issued.
Expiration Date	Date the drill license expires.
Qualifying Party	Name of the person who qualified for the driller license.
ROC License	Registrar of Contractors license types.
Driller License Comments	
License Comments	Any special circumstances about each authority issued.
Driller Comments	Any special circumstances about driller.

Pump Data Tab	
Field Name	Description
Header	
Registration Number	Unique well registration ID number. Often prefaced by "55-" in reports.
Associated Permits	
Prog.	ADWR program code.
Certificate	ADWR certificate number.
Conv.	ADWR conveyance number.
Name	The name of the permitted facility.
Program Type	Description of program type.
Issue Date	Date of issuance for the right/permit use (mm/dd/yyyy).
Begin Date	Starting date for the right/permit use (mm/dd/yyyy).
End Date	Ending date of the right/permit use (mm/dd/yyyy).
Pumping Data	
Total Water (Acre-FT)	Total reported water pumped from the well in acre-feet for period of record.
Year	Year for reported pumping quantity.
Amount of Water (Acre-Ft)	Water quantity pumped, units are acre-feet for each year.
Water Movement	Type of water movement (Withdrawn or Recovered).
Water Type	This pertains primarily to the Recovered water movement code.