

RECEIVED



Arizona Department of Water Resources
 Information Management Section
 3550 N. Central Ave. γ Phoenix, Arizona 85012
 (602) 771-8627 γ (800) 352-8488
 www.water.az.gov

AUG 15 2008 Well Driller Report
 and
 INFO MGMT Well Log

ENTERED
 MO 20 2008

- ❖ Review instructions prior to completing form
- ❖ This report should be prepared by the driller in detail and filed with the Department within 30 days following completion of the well.

FILE NUMBER D (2-6) 27 DCC
WELL REGISTRATION NUMBER 55 - 214675
PERMIT NUMBER (IF ISSUED)

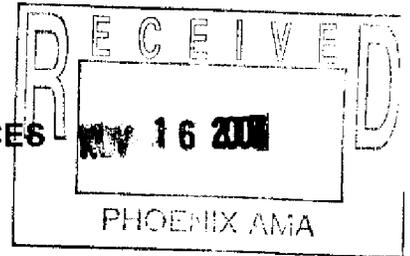
** PLEASE PRINT CLEARLY **

SECTION 1. REGISTRY INFORMATION	
Well Owner FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL TOWN OF GILBERT	Location of Well WELL LOCATION ADDRESS (IF ANY) RIGGS # 164 TH STREET
MAILING ADDRESS 90 E. CIVIC CENTER DR	TOWNSHIP (MS) RANGE (EW) SECTION 180 ACRE 40 ACRE 10 ACRE 2 6 27 SE ¼ SW ¼ SW ¼
CITY / STATE / ZIP CODE GILBERT, AZ 85296	LATITUDE LONGITUDE 33° 13' 11" N 111° 43' 40" W
CONTACT PERSON NAME AND TITLE DON HANSON - HYDROLOGIST	LAND SURFACE ELEVATION AT WELL Feet Above Sea Level
TELEPHONE NUMBER 480-659-7131	FAX METHOD OF LATITUDE / LONGITUDE (CHECK ONE) <input checked="" type="checkbox"/> Hand-Held <input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> GPS: <input type="checkbox"/> Survey-Grade
	COUNTY ASSESSOR'S PARCEL ID NUMBER BOOK MAP PARCEL
	COUNTY WHERE WELL IS LOCATED

SECTION 2. DRILLING AUTHORIZATION	
Drilling Firm NAME WEBER GROUP LC	
DWR LICENSE NUMBER 215	
TELEPHONE NUMBER 480-961-1141	FAX 480-961-0290

SECTION 3. WELL CONSTRUCTION DETAILS		
DATE WELL CONSTRUCTION STARTED 3-12-08	DATE WELL CONSTRUCTION COMPLETED 3-24-08	IF FLOWING WELL, METHOD OF FLOW REGULATION <input type="checkbox"/> Valve <input type="checkbox"/> Other:
Drill Method CHECK ONE <input type="checkbox"/> Air Rotary <input type="checkbox"/> Bored or Augered <input checked="" type="checkbox"/> Cable Tool <input type="checkbox"/> Dual Rotary <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Reverse Circulation <input type="checkbox"/> Driven <input type="checkbox"/> Jetted <input type="checkbox"/> Air Percussion / Odex Tubing <input type="checkbox"/> Other (please specify):	Method of Well Development CHECK ONE <input type="checkbox"/> Airlift <input type="checkbox"/> Bail <input type="checkbox"/> Surge Block <input checked="" type="checkbox"/> Surge Pump <input checked="" type="checkbox"/> Other (please specify):	Method of Sealing at Reduction Points CHECK ONE <input checked="" type="checkbox"/> None <input type="checkbox"/> Packed <input type="checkbox"/> Swedged <input type="checkbox"/> Welded <input type="checkbox"/> Other (please specify):
	Water Level Information STATIC WATER LEVEL 250 Feet Below Land Surface DATE MEASURED 8 APRIL 2008	

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-_____

1. Well Location:

SW ¼ of the SW ¼ of the SE ¼, Sec. 27, Township 2S Range 6E.
10AC 40AC 160AC

2. Position Location of the Well:

Latitude N33° 13' 11" Longitude W111° 43' 40"

Datum: • NAD 83 • NAD 27 • Other: _____

3. County Maricopa

4. Date construction to start: May 1, 2007

5. Time period well will remain in use: 50 years

6. Is pump equipment to be installed? Yes If so, design pump capacity: 1,500 GPM.

7. Well construction plan:

a. Drilling method (mud rotary, hollow-stem auger, etc.) Reverse Circulation

b. Borehole diameters 36 inches from Surface feet to 39 feet.

26 inches from 39 feet to 845 feet.

c. Casing materials 18" LCS blank, 18" HSLA blank, 18" HSLA Full Flo Louvered screen

d. Method of well development (bail, air lift, surge, etc.) Swab and airlift, and pump and surge

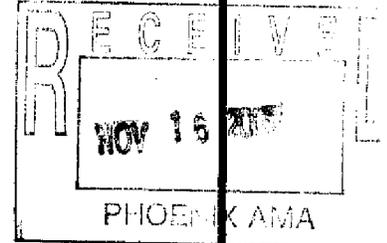
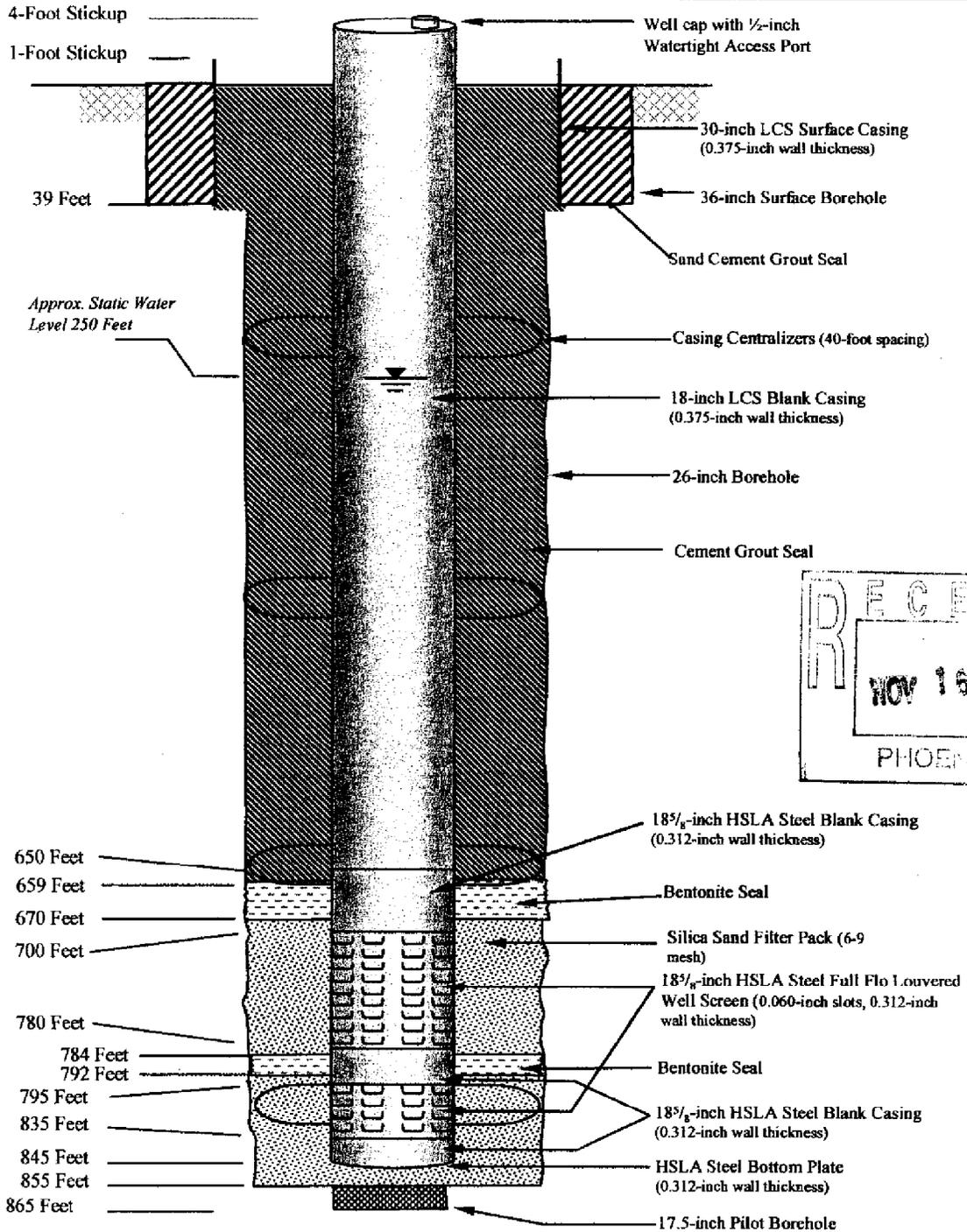
e. Will surface or conductor casing extend above grade? Yes

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):

Location: D(2-6)27dcc



Not To Scale

Notes: HSLA = high-strength low-alloy
LCS = low carbon steel
All diameters are O.D. except the well screen, which is nominal or if stated differently.



FIGURE 1
AS-BUILT
Town of Gilbert
(164th & Riggs Road Well)
Gilbert, Arizona

Run Date: 04/29/2008

AZ DEPARTMENT OF WATER RESOURCES

WELL REGISTRY REPORT - WELLS55

Location D 2.0 6.0 27 D C C Well Reg.No 55 - 214675 AMA PHOENIX AMA

Registered Name TOWN OF GILBERT
90 E CIVIC CENTER DR
GILBERT AZ 85296
File Type NEW WELLS (INTENTS OR APPLICATIONS)
Application/Issue Date 03/15/2007

Owner OWNER
Driller No. 215
Driller Name WEBER GROUP, L.C.
Driller Phone 480-961-1141
County MARICOPA
Parcel No. 304-79-018-J
Intended Capacity GPM 1,683.00
Well Type NON-EXEMPT
SubBasin EAST SALT RIVER VALLEY
Watershed UPPER GILA RIVER
Registered Water Uses MUNICIPAL
Registered Well Uses WATER PRODUCTION
Discharge Method NO DISCHARGE METHOD LISTED
Power NO POWER CODE LISTED

Well Depth 845.00 Case Diam 18.00 Tested Cap 0.00
Pump Cap. 0.00 Case Depth 845.00 CRT
Draw Down 0.00 Water Level 0.00 Log X
Acres Irrig 0.00 Finish STEEL -PERFORATED OR SLOTTED CASING

Contamination Site: NO - NOT IN ANY WQARF SITE

Comments On 4/18/08, the Maricopa County Environmental Services Dept. (MCESD) issued a New Groundwater Source Approval to the Town of Gilbert (PWS # 07-092) listing this well as POE # 026. The name associated with this well is "164th & Riggs Road Well." Well is located at the NE corner of 164th St. & Riggs Rd in Gilbert (25021 S. 164th St.). File update conducted 4/29/08. mib

Places Of Use
D 2 0 6 0 27 D C C

Current Action
4/29/2008 856 CHANGE OF BOOK/MAP/PARCEL DATA
Action Comment: MIB

Action History
1/14/2008 550 DRILLING AUTHORITY ISSUED
Action Comment: vrr
1/11/2008 700 SITE VERIFIED AS ACCURATE
Action Comment: dsl
1/9/2008 550 DRILLING AUTHORITY ISSUED
Action Comment: vrr
1/9/2008 700 SITE VERIFIED AS ACCURATE
Action Comment: dsl
12/3/2007 867 APP/NOI REVIEW BY HYDRO/WQARF COMPLETE
Action Comment: SAP
11/29/2007 750 WELL LOG RECEIVED
Action Comment: sw
11/26/2007 455 APPLICATION INCOMPLETE/INCORRECT; RETURNED TO APPLICANT
Action Comment: I & I letter sent.SW
11/16/2007 170 NOI RECEIVED FOR REPLACING A WELL
Action Comment: SW
11/16/2007 321 APP/NOI SENT TO WATER QUALITY FOR REVIEW
Action Comment: SW

Run Date: 04/29/2008

AZ DEPARTMENT OF WATER RESOURCES
WELL REGISTRY REPORT - WELLS55

11/16/2007	322	APP/NOI SENT TO AMA FOR REVIEW
		Action Comment: SW
8/27/2007	812	HYDROTEST PERMIT RESULTS RECEIVED
		Action Comment: SW
6/30/2007	755	WELL CONSTRUCTION COMPLETED
		Action Comment: sw
4/3/2007	600	PERMIT ISSUED
		Action Comment: SW
4/3/2007	550	DRILLING AUTHORITY ISSUED
		Action Comment: SW
3/21/2007	867	APP/NOI REVIEW BY HYDRO/WQARF COMPLETE
		Action Comment: JM
3/16/2007	355	APP SENT TO AMA FOR REVIEW
		Action Comment:
3/16/2007	866	APP/NOI SENT TO HYDRO/WQARF FOR REVIEW
		Action Comment:
3/15/2007	315	APP RCVD FOR A WITHDRAWAL PERMIT FOR A NEW WELL
		Action Comment:



Maricopa County

Environmental Services

Water and Waste
Management Division
Drinking Water Program
1001 N. Central Ave., Suite 150
Phoenix, Arizona 85004-1940
Phone: (602) 506-6666
Fax: (602) 506-6925

New Groundwater Source Approval with Stipulations

Gene Schmidt
Town of Gilbert
90 E. Civic Center
Gilbert, AZ 85296

Groundwater Source Proposed: DWR#: 55-214675

PWS: # 07-092 Designated POE: # 026

Well Name: 164th & Riggs Rd Well

Application Receipt: # 26448910823

Date: April 18, 2008

This Department has reviewed your request to approve the above groundwater source. *This review has been conducted in accordance with the drinking water quality requirements for a community public water system.* This Department has no objection to your development of this groundwater source, with the stipulations listed below.

The initial monitoring date assigned to this system was January 1, 1995. This date is used to determine future water quality monitoring and reporting for compliance requirements, and is reflected in the calculation of the dates shown in the stipulations listed below. All water sample monitoring frequencies and required reporting of analysis results are based on the initial monitoring compliance schedule.

STIPULATIONS:

1. Microbiological water quality compliance. The initial monitoring results show the absence of total coliform and indicate compliance with water quality standards.

All public water systems are required to collect routine bacteriological water samples each month. The number of samples required and the frequency of collection will depend on the size of the population served by the public water system. Samples must be collected in accordance with a **Microbiological Site Sampling Plan**, which must be submitted to this Department for approval. The maximum contaminant levels (MCL) for total and fecal coliform bacteria is based on their presence in drinking water. The repeated presence of fecal coliform bacteria in drinking water represents an *acute* contaminant violation. Immediate corrective action must be initiated to eliminate acute contaminant violations whenever they occur, or the water source must be disconnected and an approved alternate source of water established.

April 18, 2008
New Source Approval

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2. Inorganic water quality compliance. Submitted laboratory analyses are below the maximum levels for inorganic chemical water quality.

These contaminants will require routine sample collection and laboratory analysis every 3 years. If the system chooses to sample more frequently than once per year, compliance will be based on a running annual average. Sample collection for the next inorganic chemical water analysis profile must be conducted **after January 1, 2013 but before December 31, 2013**. The exceptions to this inorganic chemical monitoring schedule are listed below. The inorganic chemicals are sampled at the point of entry, including those that follow:

Arsenic. The laboratory reported arsenic as 0.0058 mg/L. If this source should exceed the MCL of 0.010 mg/L, the water system will be required to either find a new source of water or provide treatment.

Nitrate. The indicated level of nitrate 3.1 mg/L is below the trigger level of 5 mg/l; therefore, **annual** sampling is required. If an EPDS sample exceeds the MCL of 10 mg/L, this would represent an *acute* contaminant violation, and the system would have to take immediate corrective action.

Nitrite. Routine nitrite sample collection and analysis must be performed at every point of entry every nine years. The nitrite level at this time is indicated as less than 0.001 mg/L. Sampling frequency for nitrite will increase to quarterly in the event it exceeds the trigger level of 0.5 mg/L. The next required **nitrite** analysis for compliance purposes must be based on water samples collected **after January 1, 2013 but before December 31, 2013**.

Asbestos. The initial asbestos level is <0.2 mfl. Samples for asbestos analysis must be collected at each point of entry or in distribution and reported every nine years. The next required sample collection for **asbestos analysis must be done after January 1, 2013 but prior to December 31, 2013**.

Fluoride. The fluoride level is 0.50 mg/L. Community water supplies are required to monitor for the amount of fluoride present in the water. The maximum contaminant level for fluoride is 4 mg/l. However, if the fluoride level is ever greater than 2 mg/L, the system must perform public notice. Fluoride samples must be collected and lab analysis conducted at least every 3 years at each point of entry. Subsequent fluoride results will be due with the next inorganic water chemistry profile during **2010**.

Sodium. Community water systems are required to sample and report on the sodium level of the water every 3 years for groundwater sources. Initial sodium level is

April 18, 2008
New Source Approval

3

indicated as 190 mg/L. There is no maximum level for sodium in drinking water at this time. Samples for sodium analysis must be collected at each point where water treatment is conducted.

3. Volatile Organic Chemical water quality compliance. The Volatile Organic Chemical (VOC) water quality data submitted with your application indicate compliance with water quality requirements.

Initial sampling for VOCs must be conducted for four consecutive quarters during the assigned monitoring year. If VOC levels remain below the MCL, the system shall sample at least annually. After three years below MCL levels, the system may request further reduction of VOC monitoring.

The next routine VOC samples must be taken during each of the four quarters of 2010.

Vinyl Chloride. This contaminant must be included with the routine analyses conducted for volatile organic chemicals only if certain volatile organic chemical contaminants are found to be present in the water.

4. Synthetic Organic Chemical water quality compliance. The Synthetic Organic Chemical (SOC) water quality results that were submitted were under laboratory detection limits.

The initial sampling requirement for SOC analysis must be conducted for four consecutive quarters during the assigned monitoring year. This sample collection and analysis process must be repeated every three years at each groundwater point of entry. If the laboratory findings show that levels of SOCs are consistently below the MCL levels for these contaminants, the water system may apply for a reduced monitoring frequency. **SOCs should be monitored in each quarter of 2010 at this POE.**

5. Lead and Copper water quality compliance. Results submitted with the new source application did not include lead and copper results. The action level for lead is 0.015 mg/l; the copper action level is 1.3 mg/l. **The system must submit lead and copper sample results for the source before connecting to distribution.**

Public water systems are required to collect water samples from distribution for lead and copper analysis in compliance with specific sample collection instructions. The initial monitoring for lead and copper must be done during two consecutive six-month

Maricopa County
Environmental Services
Department
Drinking Water Program
1001 N. Central Ave. Suite 150
Phoenix, Arizona 85004-1940
Phone: (602) 506-6666
Fax: (602) 506-6925

April 18, 2008
New Source Approval

4

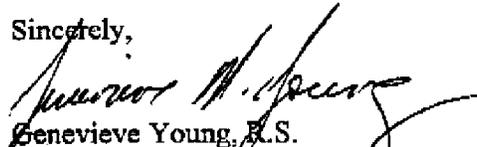
periods. The required number of samples and the frequency of collection may be reduced if there is no exceedance of the action levels for lead or copper at or above the 90th percentile value. If the action level for these contaminants is exceeded in 10 or more percent of the samples taken, additional sampling or treatment of other water quality factors will be necessary. Samples for lead and copper analysis must be collected at sites specified in a site sampling plan.

6. Radiochemicals. The results submitted indicate radiochemical levels below the compliance limits. Per ADEQ guidance, radiochemicals are monitored for four consecutive quarters during the system's assigned monitoring year. **The system should monitor for radiochemicals during each of the four quarters of 2010.**

Failure of the water system to comply with these stipulations may result in this Department rescinding the authorization to use this groundwater source. The water system may be required to conduct public notification for failure to monitor should any of the monitoring stipulations not be met. This Department would also place the public water system into a status of non-compliance if the system failed to abide by these stipulations within the required period.

Any changes, corrections or deletions in the development or use of this ground water source will require prior approval from this Department. If you have any questions or need additional information, please contact Robert Johnson, at (602) 506-6811 or rjohnson@mail.maricopa.gov.

Sincerely,


Genevieve Young, R.S.
Drinking Water Program Lead Specialist

cc: ADEQ
ADWR
Wes Shonerd
Bill Taylor
Gary Siders



Maricopa County
Environmental Services Department

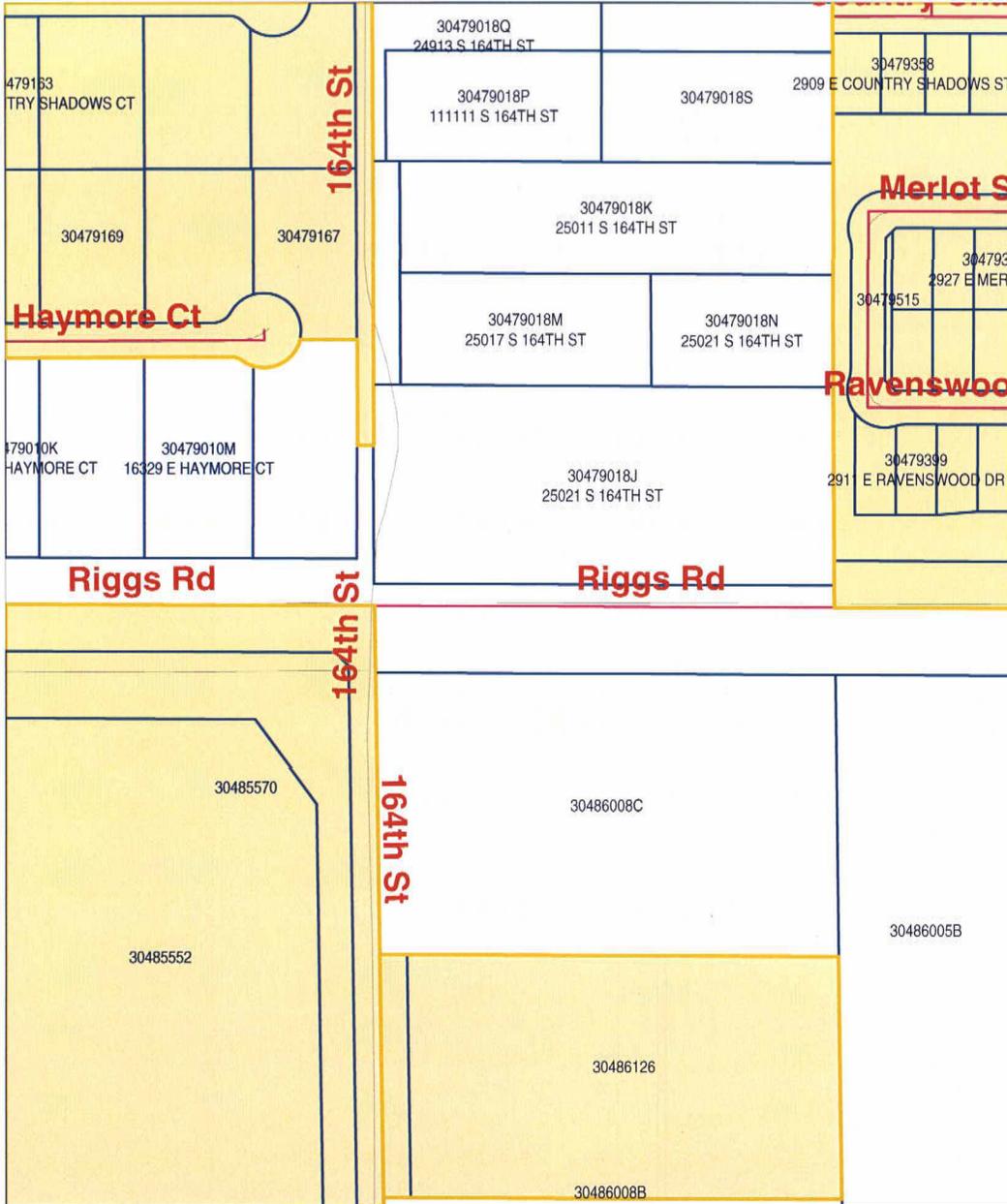
FAX TRANSMITTAL

To:	Mike Ball
Company/ Dept.:	ADWR
Phone:	Fax: (602) 771-8691
Re:	55-214675

From:	Drinking Water Program
Company/Dept.:	Water and Waste Management
Phone:	(602) 506-6631 Fax: (602) 372-0866
Date:	April 29, 2008 # of pages: 5

Remarks:

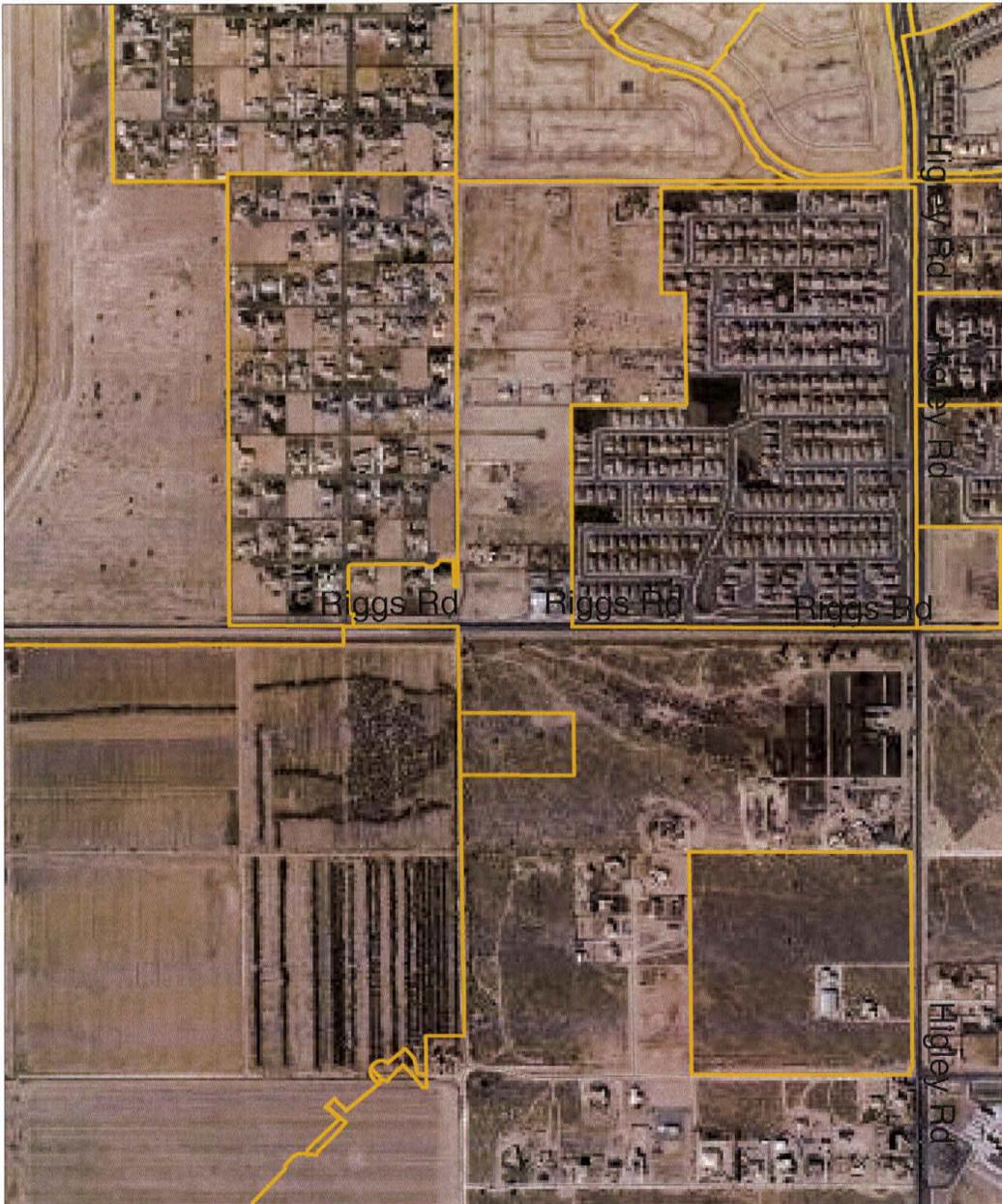
TOWN OF GILBERT'S WELL # 55-214675 @ 25021 S. 164TH ST



TOWN OF GILBERT'S WELL # 55-214675 @ 25021 S. 164TH ST

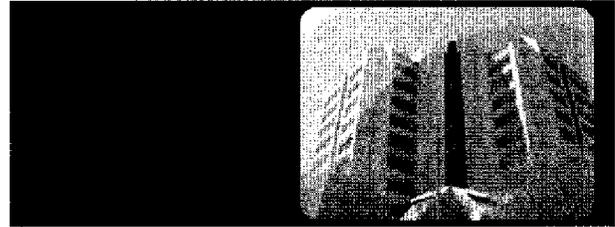


TOWN OF GILBERT'S WELL # 55-214675 @ 25021 S. 164TH ST





Tuesday, April 29, 2008



Recorded Document Search Detail

Recording Information

NAME(S)	DOCUMENT CODE(S)	
WARE CHARLES H	WAR DEED	
WARE FAMILY LIVING TRUST		
WARE MARJORIE E		
RECORDING DATE	RECORDING NUMBER	PAGES
2/28/2002	20020208813	2
		<small>View Unofficial</small>

Viewing Options

- PNG - Select to view one page at a time
- PDF - Select to view all the pages
- View Image



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OFFICIAL RECORDS OF

Unofficial Document

42

When Recorded Return to:

Town of Gilbert
c/o Susan Goodwin
Martinez & Curtis
2712 North Seventh Street
Phoenix, AZ 85004

19500253 1/1

WARRANTY DEED

*Exempt pursuant to
A.R.S. §42-1614(A)(3)*

For the consideration of Ten Dollars, and other valuable considerations, I or we,

CHARLES H. WARE AND MARJORIE E. WARE, AS TRUSTEES OR SUCCESSOR TRUSTEES
OF THE WARE FAMILY LIVING TRUST DATED OCTOBER 17, 1997

do hereby convey to:

Town of Gilbert, a municipal corporation

the following real property situated in the County of Maricopa, State of Arizona.

See Exhibit A

And including all groundwater and surface water rights appurtenant to said real property.

SUBJECT TO: Current taxes, assessments, reservations in patents and all easements, rights of way, encumbrances, liens, covenants, conditions and restrictions as may appear of record.

And I or we do warrant the title against all persons whomsoever, subject to the matters above set forth.

Dated this 15 day of February, 2002.

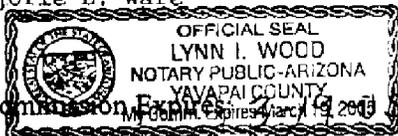
THE WARE FAMILY LIVING TRUST DATED 10/17/97

By: Marjorie E. Ware
Marjorie E. Ware, Trustee

By: Charles H. Ware
Its Charles H. Ware, Trustee

STATE OF ARIZONA)
Yavapai) ss.
County of Maricopa)

This instrument was acknowledged before me this 18th day of February, 2002 by
Charles H. Ware and _____, as Trustees of the Ware Family Living Trust
Marjorie E. Ware dated 10/17/97.



Lynn I. Wood
Notary Public

EXHIBIT "A"

The South half of the West half of the Southwest quarter of the Southeast quarter of Section Twenty-seven (27), Township Two (2) South, Range Six (6) East of the Gila and Salt River Base and Meridian.

EXCEPTING therefrom that portion described as follows:

The North one half of the South one half of the West one half of the Southwest quarter of the Southeast quarter of Section 27, Township 2 South, Range 6 East of the Gila and Salt River Base and Meridian.

The names and mailing addresses of the beneficiaries of the Ware Trust are:

Charles H. Ware
Marjorie E. Ware
1525 South Verde Drive
Cottonwood, AZ 86236

ARIZONA DEPARTMENT OF WATER RESOURCES
3550 N. Central Avenue, Phoenix, Arizona 85012
Telephone 602 771-8585
Fax 602 771-8688



Janet Napolitano
Governor

Herbert R. Guenther
Director

January 14, 2008

The Town of Gilbert
90 E. Civic center Drive
Gilbert AZ. 85296

Dear Kathy Rall:

This letter is to inform you that the Arizona Department of Water Resources (Department) has conducted a well site inspection for Well No. 55-214675.

Per A.R.S. § 41-1009 the Department is required to provide a copy of the inspection report within 30 days after the inspection.

Enclosed are copies of the inspection report and Notification of your Inspection and Due Process Rights, which were completed during the site inspection. No further action is required.

If you have any questions or need further assistance please feel free to contact me at (602) 771-8585.

Sincerely,

A handwritten signature in cursive script that reads "Damion Low".

Damion Low
Water Resources Specialist
Phoenix Active Management Area

Enclosures

Cc: File

OLD Well: 33° 13' 10.1"
111° 43' 45.8"

New Well:

(123.48ft) 33° 13' 10.9"
111° 43' 44.7"

Well Registration No. SS-214675 Application/Right No. _____ Permit/License No. _____
Regulated Person: Town of Gilbert Address: 90 E. Civic Center Drive
Gilbert AZ 85296 Phone: 480-503-6842

ARIZONA DEPARTMENT OF WATER RESOURCES
500 North Third Street, Phoenix, Arizona 85004
NOTIFICATION OF INSPECTION AND DUE PROCESS RIGHTS

In compliance with A.R.S. § 41-1009, this document is being provided to you by the Arizona Department of Water Resources (ADWR) to inform you of your rights concerning this inspection of the following described property:

D(2-6) 27DCC
on the following date(s): Friday, 11/11/08 @ 11:00 AM

ADWR must present this document for your signature, or the signature of an authorized representative, indicating that you have been informed of your rights concerning this inspection and have read both sides of this document. If you decline to sign, or signature is unavailable, ADWR must note that fact on this document and the inspection will proceed.

1. **ADWR Inspector.** This inspection is being conducted by an inspector for ADWR who must present photo identification upon entry of the inspected property, and whose name and phone number are indicated below. The ADWR inspector will be available to answer questions regarding this inspection.
Name: Damion Law Phone: 602-771-8581

2. **Purpose of Inspection.** This inspection is being conducted by an ADWR inspector either for the purpose of issuing a permit/license, or determining compliance with permit/license requirements.

3. **Legal Authority.** This inspection is being conducted under the following legal authority: A.R.S. 45-633

4. **Fees.** The following inspection fees apply and will be billed separately: N/A

5. **Ombudsmen.** Questions regarding due process rights described in paragraph 10 on the reverse should be directed to one of the following Ombudsmen:

Name (ADWR): Fred Beadlove Phone: 602-771-8429
Name (Arizona): Patrick Shanahan Phone: 1-800-872-2879

(continued on reverse)

Signature. This signature below is made by either the regulated person or the regulated person's authorized representative who has been informed of inspection and due process rights relating to this inspection and who has read both sides of this Notification.

X Name (please print): Leslie Nicole Park
X Signature: Leslie Nicole Park Title: Staff Hydrologist I

Signature Declined. The regulated person or the regulated person's authorized representative indicated below was present during the inspection but declined to sign this Notification.

Name: _____ Title: _____

Signature Unavailable. Neither the regulated person nor the regulated person's authorized representative was present during this inspection. The ADWR inspector contacted or attempted to contact the regulated person by the following method:

ARIZONA DEPARTMENT OF WATER RESOURCES
Agency Inspector: Damion D. Law Date: 11/11/08
 Photo identification presented. (SIGNATURE)
 Copy provided prior to inspection to: _____ Time: 11:00 AM

ARIZONA DEPARTMENT OF WATER RESOURCES
3550 N. Central Avenue, Phoenix, Arizona 85004
Telephone 602 771-8585
Fax 602 771-8688



Janet Napolitano
Governor

Herbert R. Guenther
Director

January 14, 2008

**FIELD VERIFICATION REPORT
NEW OR REPLACEMENT WELL**

File Number: D (2-6) 27 D C C
Quadrant Tns & Rng Section 160ac 40ac 10ac

Registration Number: 55-214675

Type of Permit & Number: N.O.I. / Replace
Replacing: 55-647145

Location of Permit: SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 27, T2S, R6E
10 Acre 40 Acre 160 Acre

Verified Location: SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 27, T2S, R6E
10 Acre 40 Acre 160 Acre

Latitude: N 33° 13' 10.9"

Longitude: W 111° 43' 44.7"

Latitude/Longitude Determined By: GPS: Topo Map Other

Drill Card in possession of: Driller: _____ Owner: _____ Consultant: _____ Other:

Card given to: Original card sent to driller

Date and time of inspection: Friday, January 11, 2008, 11:00 AM

Correct driller on card? Yes

Comments:

Replacement - Distance from the original well: 123.48ft.

Well/s in Radius: Yes: _____ No:

Report filed by: Damion Low, Phoenix AMA

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

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

WELL REGISTRATION NO: 55-214675

REPLACES: 55-647145

AUTHORIZED DRILLER: WEBER GROUP L.C.

LICENSE NO: 215

A NOTICE OF INTENTION TO NON-EXEMPT, NON-SERVICE AN EXISTING NON-EXEMPT WELL INSIDE
THE PHOENIX ACTIVE MANAGEMENT AREA HAS BEEN GRANTED TO:

WELL OWNER: The Town of Gilbert

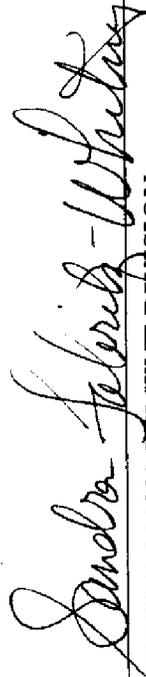
90 E. Civic Center Drive
Gilbert, AZ 85296

The well(s) is/are to be located in the:

SW 1/4 of the SW 1/4 of the SE 1/4 Section 27 Township 2 South Range 6 East

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

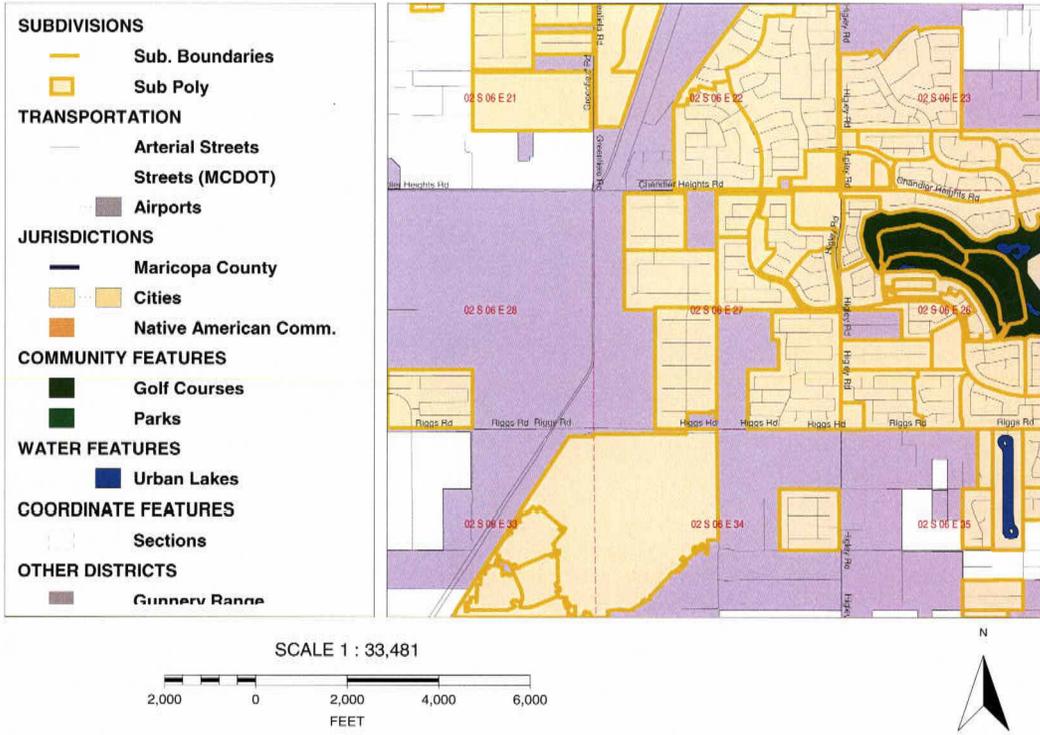
THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE 8th DAY OF January, 2009.


WATER MANAGEMENT DIVISION

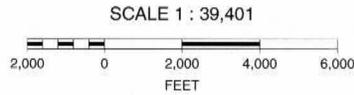


THE DRILLER MUST FILE A LOG OF THE WELL
WITHIN 30 DAYS OF COMPLETION OF DRILLING

T2S, R6E, SECTION 27



T2S, R6E, SECTION 27



T2S, R6E, SECTION 27, SE 1/4

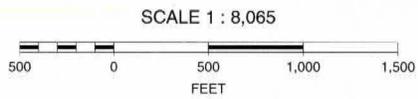
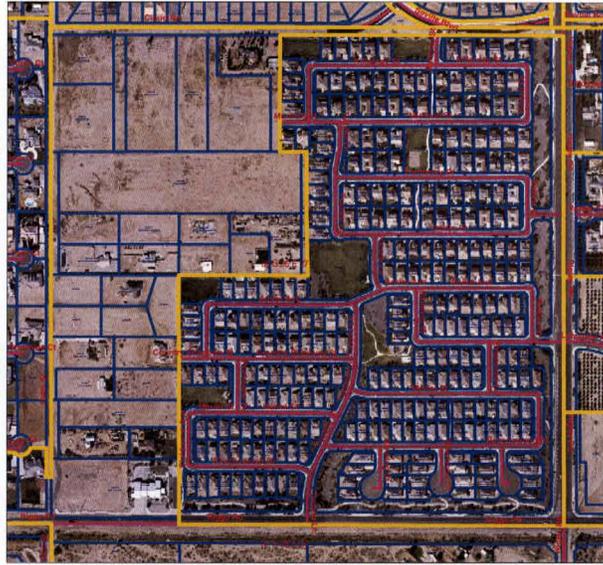
PARCELS
□ Parcels

SUBDIVISIONS
— Sub. Boundaries
□ Sub Poly

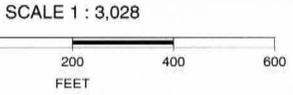
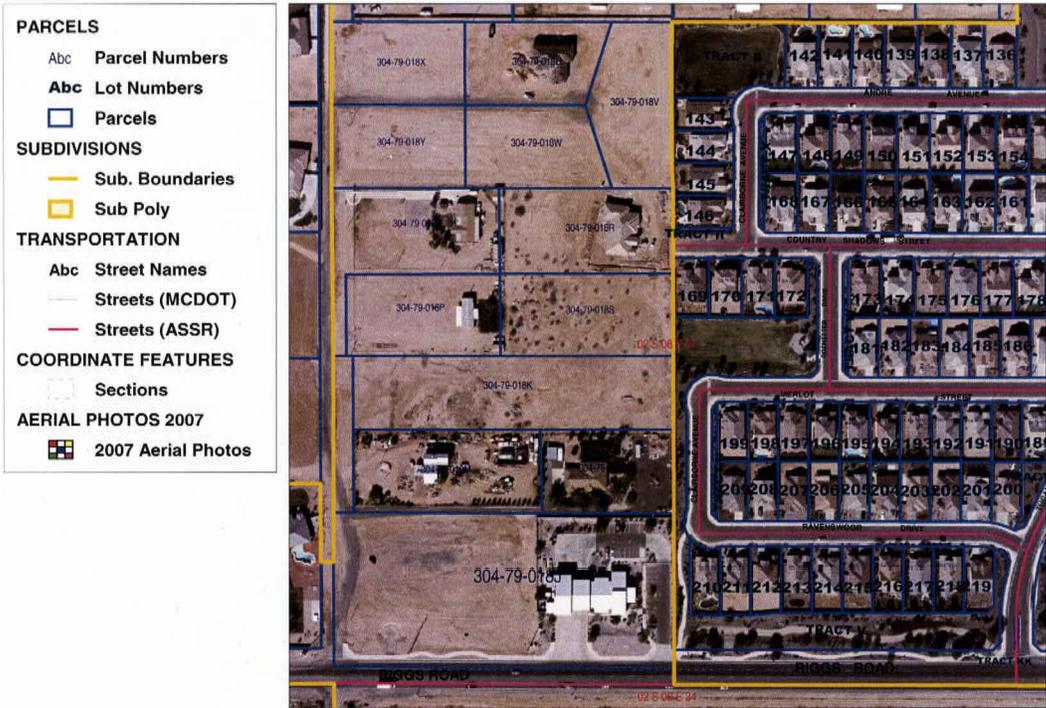
TRANSPORTATION
— Streets (MCDOT)
— Streets (ASSR)

COORDINATE FEATURES
□ Sections

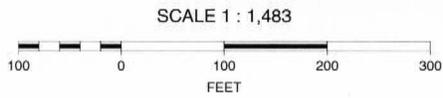
AERIAL PHOTOS 2007
■ 2007 Aerial Photos (3 Foot Resample)



T2S, R6E, SECTION 27, SE 1/4, SW 1/4



T2S, R6E, SECTION 27, SE 1/4, SW 1/4



ARIZONA DEPARTMENT OF WATER RESOURCES

3550 North Central Avenue, Phoenix, Arizona 85012

Telephone 602 771-8585

Fax 602 771-8688



Janet Napolitano
Governor

Herbert R. Guenther
Director

December 3, 2007

The Town of Gilbert
Attn: Kathy Rall
90 E. Civic Center Drive
Gilbert, AZ 85296

RE: Notice of Intention to Replace an Existing Non-Exempt Well
Registration No. 55-214675 (Replacing Well No. 55-647145);
File No. D (2-6) 27 DCC

Dear Ms. Kathy Rall:

The above-referenced Notice of Intention to Replace an Existing Non-Exempt Well in the Same Location within an Active Management Area has been approved pending a site inspection. A copy of the Notice is enclosed for your records.

The well owner or a representative of the well owner must make an appointment with personnel of the AMA office for a site inspection. AMA personnel must be shown, on-site, the location of the well. It is suggested that arrangements for a site inspection be made at least 96 hours in advance of the time you intend to have drilling begin. The telephone number for the Phoenix AMA is 602-771-8585.

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 which is being replaced and the completed new well shall be reported on your Annual Water Withdrawal and Use Report for calendar year 2007.

The Department has issued the authorization to drill this well pursuant to A.R.S. §§ 45-596 and 45-597 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.

Please be aware that the withdrawals of the proposed well cannot exceed the maximum annual capacity of the original well you wish to replace. The maximum annual capacity of the original well is 2177.56 acre-feet per year. In addition, if the original well will be used in conjunction with the proposed replacement well, the withdrawals from both wells cannot exceed the maximum annual capacity of the original well.



Printed on recycled paper. Each ton of recycled paper saves 7,000 gallons of water.

If the maximum annual capacity is exceeded in any calendar year, the well will no longer qualify as a replacement well in the same location, and will instead fall into the category of "new well." This means that you will not be able to pump the well again until you first submit an application for a non-exempt well permit, and obtain a determination from the Department that the well will not cause unreasonably increasing damage to other land and water users.

Under A.R.S. § 45-593, the person to whom a well is registered must notify this Department of any changes in ownership, status or physical characteristics to keep the Well Registry records current and accurate. For future changes, a Request to Change Well Information form is also enclosed.

If you have any questions, please contact Sharon Ward of the Phoenix AMA at 602-771-8585.

Sincerely,



Vanessa Reyes
Water Resources Specialist

Enclosures

cc: Clear Creek Associates, Don Hanson
Sharon Ward, Phoenix AMA
File



Vanessa R. Reyes

From: Sharon Ward [ssward@azwater.gov]
Sent: Monday, December 03, 2007 8:57 AM
To: Danita M. Haywood; Vanessa R. Reyes
Cc: Jeff M. Tannler
Subject: Town of Gilbert NOI to Replace # 55-214675 (Replacing 55-647145)

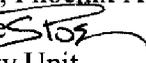
Follow Up Flag: Follow up
Flag Status: Purple

The Phoenix AMA recommends approval of the above-referenced NOI to Replace with a permitted volume of 2177.56 acre-feet per year.

Thank you,
Sharon

ARIZONA DEPARTMENT OF WATER RESOURCES
HYDROLOGY DIVISION – WATER QUALITY UNIT

MEMORANDUM

TO: Vanessa Reyes, Phoenix AMA
Sharon Ward, Phoenix AMA
Tana Zachreson, Phoenix AMA
Kevin Crago, Phoenix AMA
FROM: Seandale Poes 
Water Quality Unit
DATE: December 3, 2007
SUBJECT: Notice of Intent to Replace a Well in an AMA
Well 55-214675
The Town of Gilbert

Hydrology has reviewed the above referenced notice of intent to replace a well for water quality concerns and well construction for conformance to Arizona well construction standards.

Water Quality

1. The well is not near an area of known groundwater contamination that is being remediated pursuant to an U.S. Environmental Protection Agency, Arizona Department of Environmental Quality (ADEQ), or Department of Defense program.
2. According to the ADEQ Groundwater Database, sample results from wells located within one mile of the proposed well do not exceed any primary maximum contaminant level (MCL), secondary MCL, or Arizona Health Based Guidance Levels (HBGL). The water quality results were from 1973; therefore, current aquifer conditions are unknown. No other water quality data are readily available.

Well Construction Standards

3. The well will be drilled to 835 feet below the land surface and screened from 700 to 835 feet. The well will be completed in the lower alluvial unit. The wells meet minimum well construction standards. No special well construction requirements are necessary.

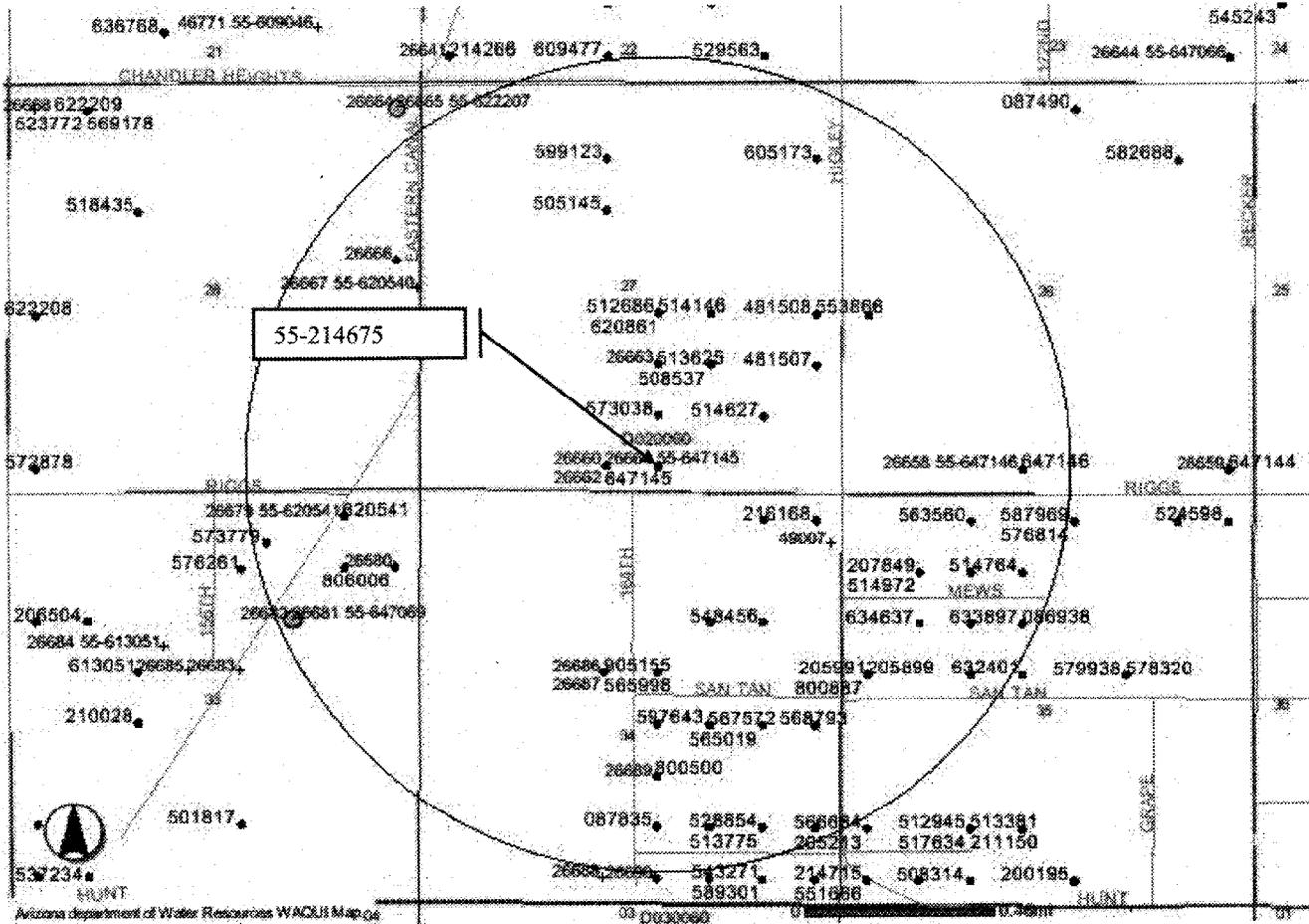
The Hydrology Water Quality Unit has no objections to approving this permit. If additional information is needed, please contact me at extension 1-8565.

Enclosure Water Quality map



Printed on recycled paper. Each ton of recycled paper saves 7,000 gallons of water.

55-214675 / The Town of Gilbert NOI to Replace, D(2-6)27DCC



Working Together



Arizona
Department
of Environmental
Quality



Arizona
Department
of Water
Resources

Map generated on 11/26/2007

Water Quality Sample Test Results for ADEQ Wells

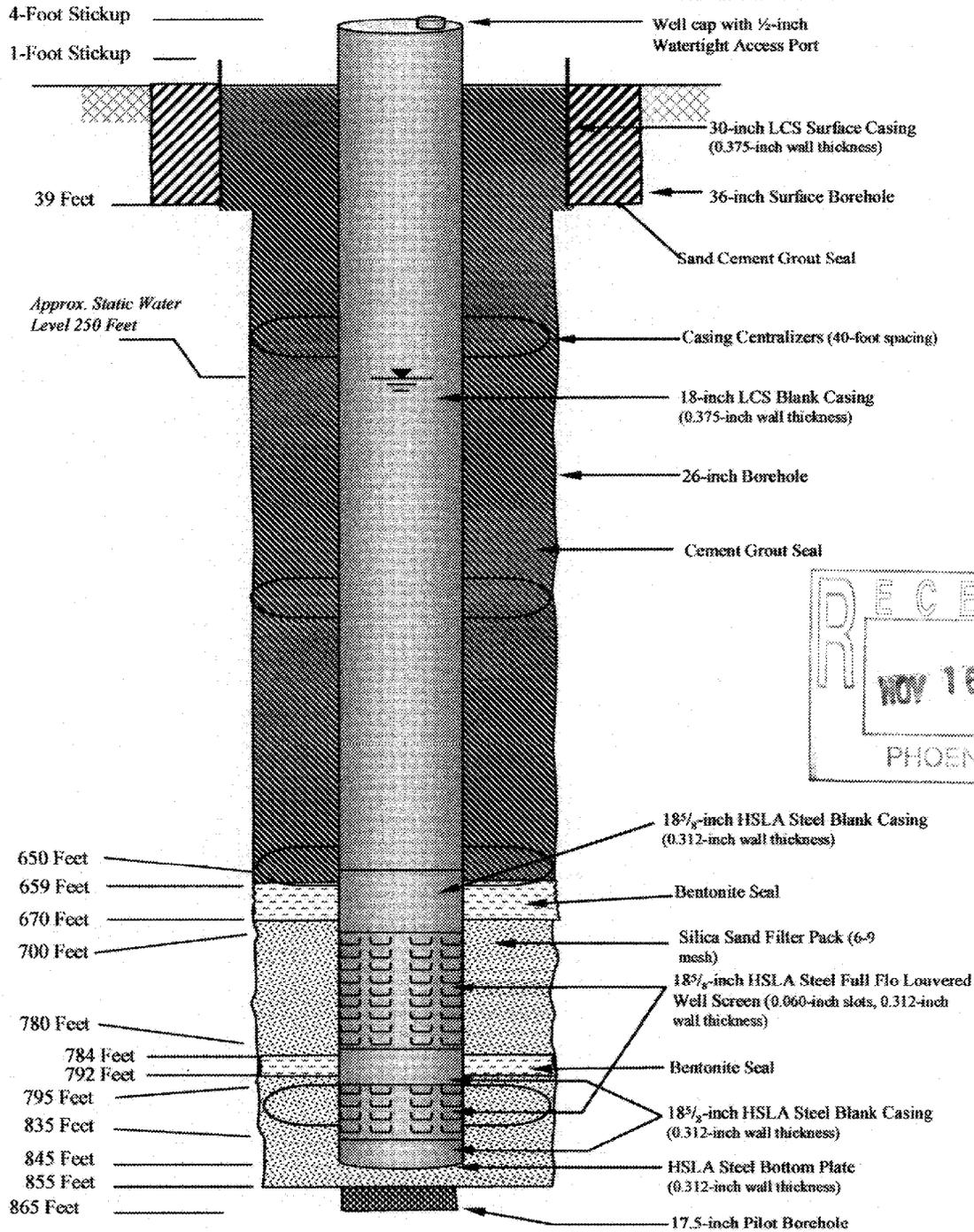
Information provided is preliminary and subject to revision.

It may not represent the full extent of known water quality concerns.

- Legend**
- Highlighted Feature
 - ▨ theBufferPolygons
 - theBufferTarget
 - ADEQ Wells
 - Wells > MCL
 - Wells > Secondary MCL
 - ★ Wells > MCL
 - No Exceedence
 - REGISTERED WELLS
 - ~ Streets
 - Sections
 - Townships
 - ▨ GWR LUST Buffer
 - ▨ RCRA Site Buffer
 - ▨ VRP Site Buffer
 - Registry
 - 1 MI WQARF Buffer
 - ▨ WQARF Sites

♻️ Printed on recycled paper. Each ton of recycled paper saves 7,000 gallons of water.

Location: D(2-6)27dec



RECEIVED
NOV 16 2001
PHOENIX, AZ

Not To Scale

Notes: HSLA = high-strength low-alloy
LCS = low carbon steel
All diameters are O.D. except the well screen, which is nominal or if stated differently.

CLEAR CREEK ASSOCIATES

FIGURE 1
AS-BUILT
Town of Gilbert
(164th & Riggs Road Well)
Gilbert, Arizona

From: Don Hanson <DHanson@clearcreekassociates.com>
To: Sharon Ward <ssward@azwater.gov>
Date: 11/29/07 3:25PM
Subject: RE: Town of Gilbert NOI to Replace Well # 55-214675 (Replacing #55-647145)

Hi Sharon,

The driller tells me that these were mailed to the Department on Monday. So you should receive shortly if you haven't already. I have requested a copy that I will email to you when I get it.

Happy Holidays. Don

Don Hanson

Clear Creek Associates

-----Original Message-----

From: Sharon Ward [mailto:ssward@azwater.gov]
Sent: Tuesday, November 27, 2007 5:23 PM
To: Don Hanson; Matt Frailey
Cc: sapoe@exchange.azwater.gov
Subject: Town of Gilbert NOI to Replace Well # 55-214675 (Replacing #55-647145)

Please find attached a copy of an I & I letter sent out for the above-referenced NOI to Replace.

Thanks,
Sharon

Sharon Ward
Water Resources Specialist
Phoenix Active Management Area
Department of Water Resources
3550 N. Central Avenue, Phoenix AZ 85012
Phone: 602-771-8614
Fax: 602-771-8688
Email: ssward@azwater.gov

Mail Envelope Properties (474F3C32.320 : 23 : 29472)

Subject: RE: Town of Gilbert NOI to Replace Well # 55-214675 (Replacing #55-647145)
Creation Date: 11/29/07 3:19PM
From: Don Hanson <DHanson@clearcreekassociates.com>
Created By: DHanson@clearcreekassociates.com

Recipients

azwater.gov
PHOENIX.ADWR
ssward (Sharon Ward)

Post Office
PHOENIX.ADWR

Route
azwater.gov

Files	Size	Date & Time
MESSAGE	844	11/29/07 03:19PM
Mime.822	3101	

Options

Expiration Date: None
Priority: Standard
Reply Requested: No
Return Notification: None

Concealed Subject: No
Security: Standard

11127107 DRILLER 10112007 DRILLER TOWN OF GILBERT

THIS IS OUR COPY



Arizona Department of Water Resources
 Information Management Section
 3550 N. Central Ave. Phoenix, Arizona 85012
 (602) 771-8627 / (800) 352-8488
 www.water.az.gov

**Well Driller Report
 and
 Well Log**

- Review instructions prior to completing form
- This report should be prepared by the driller in detail and filed with the Department within 30 days following completion of the well.

FILE NUMBER	D(2-6)27DCC
WELL REGISTRATION NUMBER	55 - 214675
PERMIT NUMBER (IF ISSUED)	

** PLEASE PRINT CLEARLY **

SECTION 1. REGISTRY INFORMATION

Well Owner		Location of Well					
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL		WELL LOCATION ADDRESS (IF ANY)					
TOWN OF GILBERT							
MAILING ADDRESS		TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
90 E CIVIC CENTER DRIVE		2S	6E	27	SE 1/4	SW 1/4	SW 1/4
CITY STATE ZIP CODE		LATITUDE		LONGITUDE			
GILBERT AZ 85234							
CONTACT PERSON NAME AND TITLE		LAND SURFACE ELEVATION AT WELL					
TELEPHONE NUMBER	FAX	METHOD OF LATITUDE / LONGITUDE (CHECK ONE)				Feet Above Sea Level	
		<input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> GPS <input type="checkbox"/> Survey Grade				<input type="checkbox"/> Hand-Held	
		COUNTY ASSESSOR'S PARCEL ID NUMBER					
		BOOK	MAP	PARCEL			
		COUNTY WHERE WELL IS LOCATED					
		MARICOPA					

SECTION 2. DRILLING AUTHORIZATION

Drilling Firm	
NAME	
AZ BEERMAR DRILLING	
DWR LICENSE NUMBER	
263	
TELEPHONE NUMBER	FAX
480 983-2542	480-983-4816

SECTION 3. WELL CONSTRUCTION DETAILS

DATE WELL CONSTRUCTION STARTED	DATE WELL CONSTRUCTION COMPLETED	IF FLOWING WELL, METHOD OF FLOW REGULATION
05-22-07	6-30-07	<input type="checkbox"/> Valve <input type="checkbox"/> Other:
Drill Method	Method of Well Development	Method of Sealing at Reduction Points
CHECK ONE	CHECK ONE	CHECK ONE
<input type="checkbox"/> Air Rotary <input type="checkbox"/> Bored or Augered <input type="checkbox"/> Cable Tool <input type="checkbox"/> Dual Rotary <input type="checkbox"/> Mud Rotary <input checked="" type="checkbox"/> Reverse Circulation <input type="checkbox"/> Driven <input type="checkbox"/> Jetted <input type="checkbox"/> Air Percussion / Odex Tubing <input type="checkbox"/> Other (please specify):	<input checked="" type="checkbox"/> Airlift / SWAB <input type="checkbox"/> Bail <input type="checkbox"/> Surge Block <input type="checkbox"/> Surge Pump <input type="checkbox"/> Other (please specify):	<input type="checkbox"/> None <input type="checkbox"/> Packed <input type="checkbox"/> Swedged <input type="checkbox"/> Welded <input type="checkbox"/> Other (please specify):
	Water Level Information	
	STATIC WATER LEVEL	
	Feet Below Land Surface	
	DATE MEASURED	

*Dr. Paul
5/20*

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 214675

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

Borehole			Installed Casing													
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER DIAMETER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)						
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE	SLOT SIZE IF ANY (inches)
0	39	36	+1	39	30	X				X						
39	855	26	+2	700	18 5/8	X				X						
				700	750	18	X				X					.060
				780	795	18	X			X						
				795	835	18	X				X					.060
				835	845	18	X			X						
w/ 3/12 steel plate for BOTTOM CAP																

DEPTH FROM SURFACE		Installed Annular Material										FILTER PACK					
FROM (feet)	TO (feet)	ANNULAR MATERIAL TYPE (T)										SAND	GRAVEL	SIZE			
		NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE			IF OTHER TYPE OF ANNULAR MATERIAL DESCRIBE								
					GROUT	CHIPS	PELLETS										
0	39		X														
0	658		X														
658	671					X											
671	785													X			6x9
785	790					X											
790	855													X			6x9

DEPTH OF BORING
865

Feet Below Land Surface

DEPTH OF COMPLETED WELL
845

Feet Below Land Surface

X

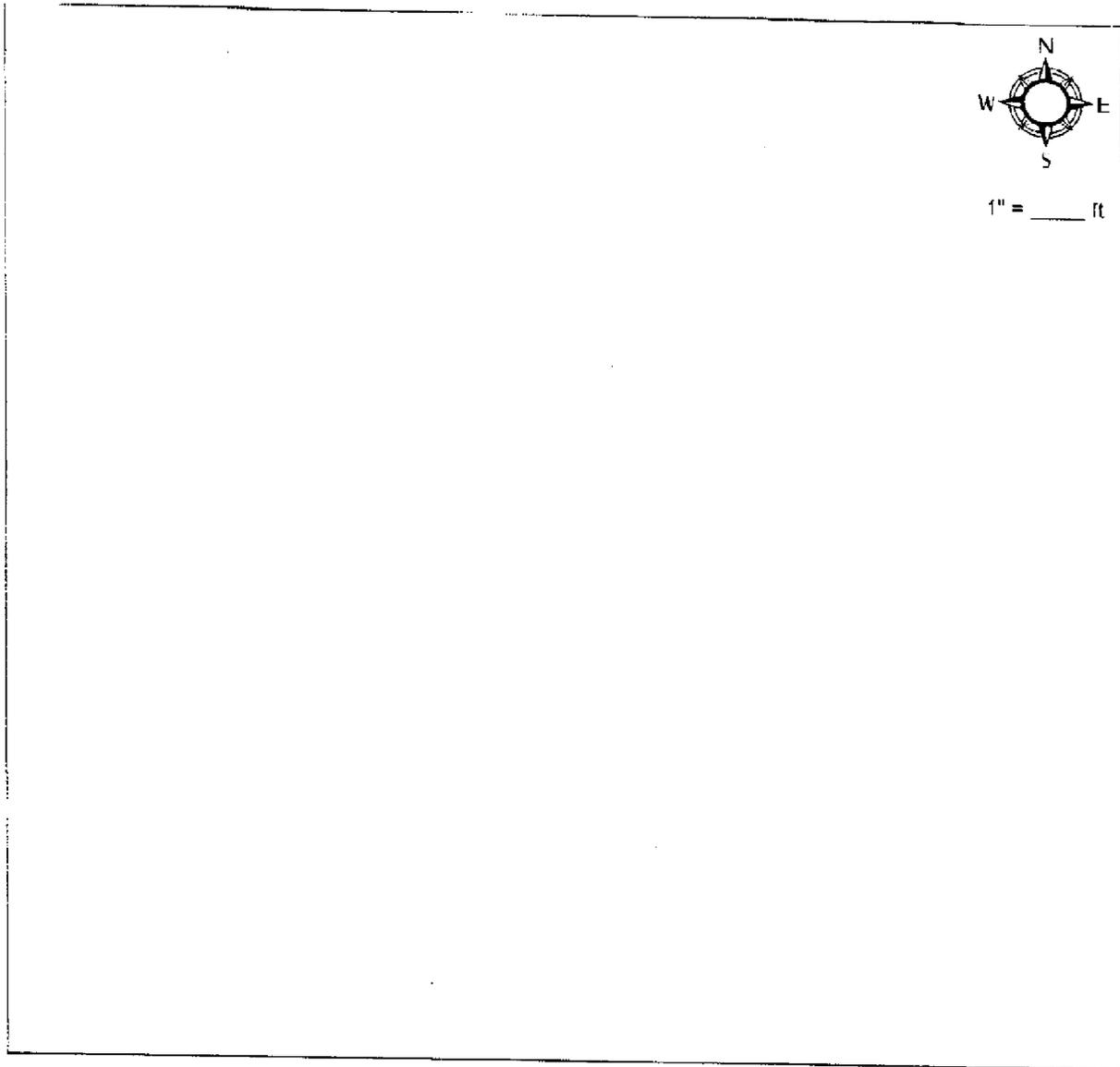
Well Driller Report and Well Log

WELL REGISTRATION NUMBER
S5 - 214675

SECTION 6. WELL SITE PLAN

NAME OF WELL OWNER		
COUNTY ASSESSOR'S PARCEL ID NUMBER		
BOOK	MAP	PARCEL

- ❖ 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.



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

DRILLING FIRM <i>AL Beeman Drilling</i>	SIGNATURE OF QUALIFYING PARTY <i>[Signature]</i>	DATE <i>10-17-07</i>
--	---	-------------------------

X

Run Date: 11/27/2007

AZ DEPARTMENT OF WATER RESOURCES
WELL REGISTRY REPORT - WELLS55

Location D 2.0 6.0 27 C D D Well Reg.No 55 - 647145 AMA PHOENIX AMA

Registered Name TOWN OF GILBERT
90 E CIVIC CENTER DR
GILBERT AZ 85296
File Type REGISTERED WELL
Application/Issue Date 06/10/1982

Owner OWNER
Driller No. 0
Driller Name
Driller Phone
County MARICOPA
Parcel No. 536-29-
Intended Capacity GPM 0.00
Well Type NON-EXEMPT
SubBasin EAST SALT RIVER VALLEY
Watershed UPPER GILA RIVER
Registered Water Uses IRRIGATION
Registered Well Uses WATER PRODUCTION
Discharge Method NONE
Power NO POWER CODE LISTED

Well Depth 1,120.00 Case Diam 20.00 Tested Cap 1,350.00
Pump Cap. 1,350.00 Case Depth 1,120.00 CRT
Draw Down 0.00 Water Level 560.00 Log
Acres Irrig 640.00 Finish STEEL - PERFORATED OR SLOTTED CASING

Contamination Site: NO - NOT IN ANY WQARF SITE

Comments

Current Action
9/26/2006 860 CHANGE OF WELL OWNERSHIP
Action Comment: TB

Action History
8/13/1955 755 WELL CONSTRUCTION COMPLETED
Action Comment:

$$1350 \times 60 = 81000 \times 24 =$$
$$1944000 \times 365 = 709560000$$
$$\div 325851 = \textcircled{2177.56}$$

ARIZONA DEPARTMENT OF WATER RESOURCES

3550 North Central Avenue, Phoenix, Arizona 85012

Telephone 602 771-8585

Fax 602 771-8688



November 26, 2007

Janet Napolitano
Governor

Herbert R. Guenther
Director

Clear Creek Association
Attn: Don Hanson
6155 E. Indian School Rd, Ste 200
Scottsdale AZ 85251

RE: Notice of Intention (NOI) to Deepen, Replace, or Modify an Existing Non-Exempt Well at Approximately the Same Location in an Active Management Area (AMA) No. 55-214675 (Replacing Well No. 55-647145), D(2-6)27DCC

Dear Mr. Hanson:

The Department of Water Resources (Department) has reviewed the above-referenced application for administrative completeness. Pursuant to A.R.S. §41-1074(B), the Department has determined the application is incomplete. The following information must be submitted before the Department can continue its completeness review and find the application complete:

- The above referenced well was originally drilled as a Hydrologic Testing well. To date, the driller's report/log has not been received. Please insure that the Driller provides the Department with a driller's report/log.

Please submit all of the above information within 60 days. Failure to submit the information within 60 days may result in the denial of the application. The Department's administrative completeness time frame for this application is suspended until all of the requested information is provided.

If you have any questions, please feel free to contact me at (602) 771-8614.

Sincerely,

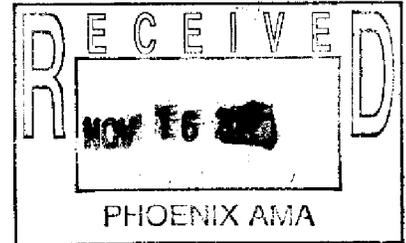
A handwritten signature in cursive script that reads "Sharon Ward".

Sharon Ward
Water Resources Specialist
Phoenix Active Management Area

cc: Kathy Rall, Town of Gilbert
File



Printed on recycled paper. Each ton of recycled paper saves 7,000 gallons of water.



STATE OF ARIZONA
 DEPARTMENT OF WATER RESOURCES
 WATER MANAGEMENT DIVISION
 MAIL TO: P.O. BOX 33589, PHOENIX, ARIZONA 85067-3589
 3550 North Central Avenue, Phoenix, Arizona 85012
 Phone (602) 771-8585 Fax (602) 771-8688

NOTICE OF INTENTION TO DEEPEN OR MODIFY AN EXISTING NON-EXEMPT WELL OR REPLACE AN EXISTING NON-EXEMPT WELL AT APPROXIMATELY THE SAME LOCATION IN AN ACTIVE MANAGEMENT AREA

PLEASE READ GENERAL INSTRUCTIONS AND CONDITIONS BEFORE COMPLETING.

Section 45-597, Arizona Revised Statutes provides: In an Active Management Area, prior to deepening an existing well or constructing a replacement well at approximately the same location, a person must file a Notice of Intention to Drill. A person must also file a Notice of Intention to Drill prior to modifying an existing well.

- Applicant The Town of Gilbert
 Mailing Address 90 E. Civic Center Drive
Gilbert Arizona 85296
 City State Zip Code
 Telephone Number (480) 503-6842
- Owner of the land of well site: Same as above
 Mailing Address _____

FOR DEPARTMENT USE ONLY
 File No. D(2-6)27DCC
 Filed 11/16/07 By URP
 Input 11/16/07 By URP
 DUPLICATE
 Mailed _____ By _____
 Registration 55- 216845 214675
 AMA/INA PHX

City State City Zip Telephone Number

- This Notice is filed by: Check one: Owner Lessee
- Well location: SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 27 Township 2 N Range 6 W
10 Acre 40 Acre 160 Acre
- Position location of the well: Latitude N 33 ° 13 ' 11 "N Longitude W 111 ° 43 ' 40 "W
- County: Maricopa
- Design Pump Capacity 1,500 gpm Diameter 18 Inches Depth 845 Feet 845 per driller's Report Type of casing steel
- Estimate of total annual pumpage for the replacement well: 2,177 Acre-Feet Per Year
- Maximum annual capacity of the original well (see instructions for details):
 Acre-Feet Per Year 2,177 Registered gallons per minute of original well 1,350
- Principal Use of Water: (be specific): Municipal public water source
- Other Uses Intended (be specific): _____

12. Construction Will Start: May 2007
Month Year

13. Estimated time to complete well: Completed in June 2007

Pursuant to A.R.S. § 45-596 (E), the well shall be completed within one year after the date this Notice is filed, unless the Director approves a longer period of time as described below.

At the time the drilling card for the well is issued, the Director may provide for and approve a completion period that is greater than one year but not to exceed five years from the date the Notice is filed if both of the following apply:

1. The proposed well is a non-exempt well within an Active Management Area and qualifies as a replacement well in approximately the same location.
2. The applicant has submitted evidence that demonstrates one of the following:
 - a. This state or a political subdivision of this state has acquired or has begun a condemnation action to acquire the land on which the original well is located.
 - b. The original well has been rendered inoperable due to flooding, subsidence or other extraordinary physical circumstances that are beyond the control of the owner.

14. Claim of Entitlement to withdraw water: Certificate 58- _____ Permit 59- _____
Irrigation District 57- _____ Service Area 56- 002017.0000 Recovery Well Permit 74- _____

15. Action Requested: Deepen Replace Modify

For a replacement well give distance from original well _____ feet (see instructions for details).

16. Existing Well Registration No. 55- 647145

17. Has the well to be replaced been physically abandoned? Yes No

18. If yes when: _____ If no, will it be? Yes No

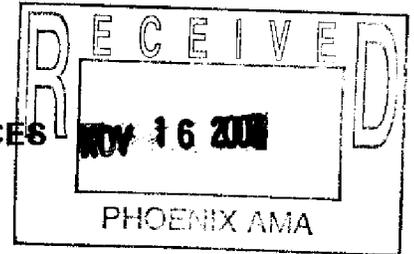
19. Drilling Firm: Driller Name Weber Group L.C. Telephone Number 480-961-1141
Mailing Address 16825 S. Weber Drive
Chandler Arizona 85226-4112
City State Zip Code
DWR License Number: 215 ROC License Category: KA

20. Attach a Well Construction Supplement, DWR form 55-90, and include a detailed construction diagram as indicated on the form.

I state that this Notice is filed in compliance with Rules A.A.C. R12-15-809 and is complete and correct to the best of my knowledge and belief, and that I understand the conditions set forth in the general instructions and specific instructions for this application.

KATHY BALL Kathy Ball Water Resources Administrator 10/17/07
Type or Print Name Signature Land Owner Lessee of well site Title 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- _____

1. Well Location:

SW ¼ of the SW ¼ of the SE ¼, Sec. 27, Township 2S Range 6E.
10AC 40AC 160AC

2. Position Location of the Well:

Latitude N33° 13' 11" Longitude W111° 43' 40"

Datum: • NAD 83 • NAD 27 • Other: _____

3. County Maricopa.

4. Date construction to start: May 1, 2007.

5. Time period well will remain in use: 50 years.

6. Is pump equipment to be installed? Yes If so, design pump capacity: 1,500 GPM.

7. Well construction plan:

a. Drilling method (mud rotary, hollow-stem auger, etc.) Reverse Circulation.

b. Borehole diameters 36 inches from Surface feet to 39 feet.
26 inches from 39 feet to 845 feet.

c. Casing materials 18" LCS blank, 18" HSLA blank, 18" HSLA Full Flo Louvered screen.

d. Method of well development (bail, air lift, surge, etc.) Swab and airlift, and pump and surge.

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: Clear Creek Associates, PLC.

6155 E. Indian School Rd., Ste. 200 Scottsdale AZ 85251
Address City State Zip

Contact Person: Don Hanson Telephone Number: (480)659-7131

13. Drilling firm Arizona Beeman Drilling Company, LLC

DWR License Number: 360 ROC License Category: C-53, & A-4

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

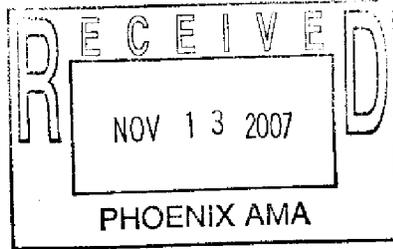
I (we), KATHY RALL hereby affirm that all information provided in this
(print name) application is true and correct to the best of my/our
knowledge and belief.

Signature of Applicant Kathy Rall Date 10/17/07



Practical Solutions
in Groundwater Science

November 9, 2007



6155 E. Indian School Rd., Suite 200
Scottsdale, Arizona 85251
480-659-7131 office
480-659-7143 fax
www.clearcreekassociates.com

Sharon Ward
ADWR- Phoenix AMA
3550 North Central Avenue
Phoenix, Arizona 85012

Re: NOI to convert a hydrotest well to a replacement well for an existing non-exempt well in an AMA

Dear Sharon:

The Arizona Department of Water Resources (ADWR) previously issued Hydrologic Test Permit No. 59-214674.0000 to allow for the drilling and testing of a hydrologic test well. ADWR issued a registration number (No. 55-214675) for this hydrologic test well. Well No. 55-214675 is referenced as the 164th and Riggs Rd Well and is located in the SW $\frac{1}{4}$ (10-acre) of the SW $\frac{1}{4}$ (40-acre) of the SE $\frac{1}{4}$ (160-acre) of Section 27, in Township 2 South, Range 6 West of the Gila and Salt River Baseline and Meridian (also designated as D(2-6)27dcc). Hydrotest operations at 164th and Riggs Rd Well were completed in August, 2007.

The purpose of this letter is to accompany the NOI to convert the 164th and Riggs Rd. Well to a replacement well (replacing existing well No. 55-647145), with the intention that it be then permitted as a service area well within an AMA, operated by The Town of Gilbert (Water Provider Right No. 56-002017.0000). In the processing of the NOI, we would like to retain the current ADWR registration number for the 164th and Riggs Rd. Well (No. 55-214675), so as to maintain continuity in the records for the particular well. The application for a permit to operate the well within The Town of Gilbert's service area will be submitted to ADWR after approval is received for the NOI for the replacement well

If you have any questions, please contact me at (480) 659-7131.

Sincerely,

CLEAR CREEK ASSOCIATES, PLC.

Matthew Frailey G.I.T.
Project Hydrologist

**PHOENIX AMA
CHECK DEPOSIT REQUEST**

Submitted By:	Vanessa Reyes	Date:	11/19/07
Right Owner or Applicant:	Town of Gilbert		
GFR or Permit No(s):	55-216845 (55-647145)		

CHECK INFORMATION

Check Number: 13284
Check Amount: 150.00
Name on Check: Clear Creek Associates PLC
Address: 6155 E. Indian School Ste. 200
City, ST, Zip: Scottsdale, AZ 85251
Telephone: 480-659-7131

Code	Type of Fee:	Amount:	Check No.
55	Application for Well Permit (\$150.00)		
55	Well Permit Fee (\$30.00)		
58	Type I Conversion Request Flex Account Transfers (\$100.00)		
58	Notification of Change of Ownership of an Irrigation Grandfathered Right (\$35.00)		
60	Application to Substitute Irrigation Acres		
59	Applications for Permit to Withdraw (\$50.00 or \$150.00)		
59	Withdrawal Permit Fee (\$50.00)		
59	Conveyance of Groundwater Withdrawal Application and/or Permit (\$35.00)		
Gen Fund	Legal Noticing Fees (Various)		
55	Notice of Intent for Non-Exempt Wells (\$150.00)	\$150.00	



Arizona Department of Water Resources
 Information Management Section
 3550 N. Central Ave. γ Phoenix, Arizona 85012
 (602) 771-8627 γ (800) 352-8488
 www.water.az.gov

Well Driller Report and Well Log

- ❖ Review instructions prior to completing form
- ❖ This report should be prepared by the driller in detail and filed with the Department within 30 days following completion of the well.

RECEIVED

NOV 29 2007

INFO MGMT

FILE NUMBER D(2-6)27DCC
WELL REGISTRATION NUMBER 55 - 214675
PERMIT NUMBER (IF ISSUED)

** PLEASE PRINT CLEARLY **

SECTION 1. REGISTRY INFORMATION						
Well Owner			Location of Well			
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL <i>Town of Gilbert</i>			WELL LOCATION ADDRESS (IF ANY)			
MAILING ADDRESS <i>90 E. Civic Center Drive</i>			TOWNSHIP (N/S) <i>2S</i>	RANGE (E/W) <i>6E</i>	SECTION <i>27</i>	160 ACRE <i>SE 1/4</i>
CITY / STATE / ZIP CODE <i>GILBERT AZ 85234</i>			LATITUDE ° ' "N		LONGITUDE ° ' "W	
CONTACT PERSON NAME AND TITLE			LAND SURFACE ELEVATION AT WELL Feet Above Sea Level			
TELEPHONE NUMBER	FAX		METHOD OF LATITUDE / LONGITUDE (CHECK ONE) <input type="checkbox"/> Hand-Held			
			<input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> GPS: <input type="checkbox"/> Survey-Grade			
			COUNTY ASSESSOR'S PARCEL ID NUMBER		PARCEL	
			BOOK		MAP	
			COUNTY WHERE WELL IS LOCATED <i>MARICOPA</i>			

SECTION 2. DRILLING AUTHORIZATION	
Drilling Firm	
NAME <i>AZ Beeman Drilling</i>	
DWR LICENSE NUMBER <i>860</i>	
TELEPHONE NUMBER <i>480 983-2542</i>	FAX <i>480-983-4816</i>

SECTION 3. WELL CONSTRUCTION DETAILS		
DATE WELL CONSTRUCTION STARTED <i>05-22-07</i>	DATE WELL CONSTRUCTION COMPLETED <i>6-30-07</i>	IF FLOWING WELL, METHOD OF FLOW REGULATION <input type="checkbox"/> Valve <input type="checkbox"/> Other:
Drill Method CHECK ONE <input type="checkbox"/> Air Rotary <input type="checkbox"/> Bored or Augered <input type="checkbox"/> Cable Tool <input type="checkbox"/> Dual Rotary <input type="checkbox"/> Mud Rotary <input checked="" type="checkbox"/> Reverse Circulation <input type="checkbox"/> Driven <input type="checkbox"/> Jetted <input type="checkbox"/> Air Percussion / Odex Tubing <input type="checkbox"/> Other (please specify):	Method of Well Development CHECK ONE <input checked="" type="checkbox"/> Airlift / SWAB <input type="checkbox"/> Bail <input type="checkbox"/> Surge Block <input type="checkbox"/> Surge Pump <input type="checkbox"/> Other (please specify):	Method of Sealing at Reduction Points CHECK ONE <input type="checkbox"/> None <input type="checkbox"/> Packed <input type="checkbox"/> Swedged <input type="checkbox"/> Welded <input type="checkbox"/> Other (please specify):
Water Level Information		
STATIC WATER LEVEL Feet Below Land Surface		
DATE MEASURED		

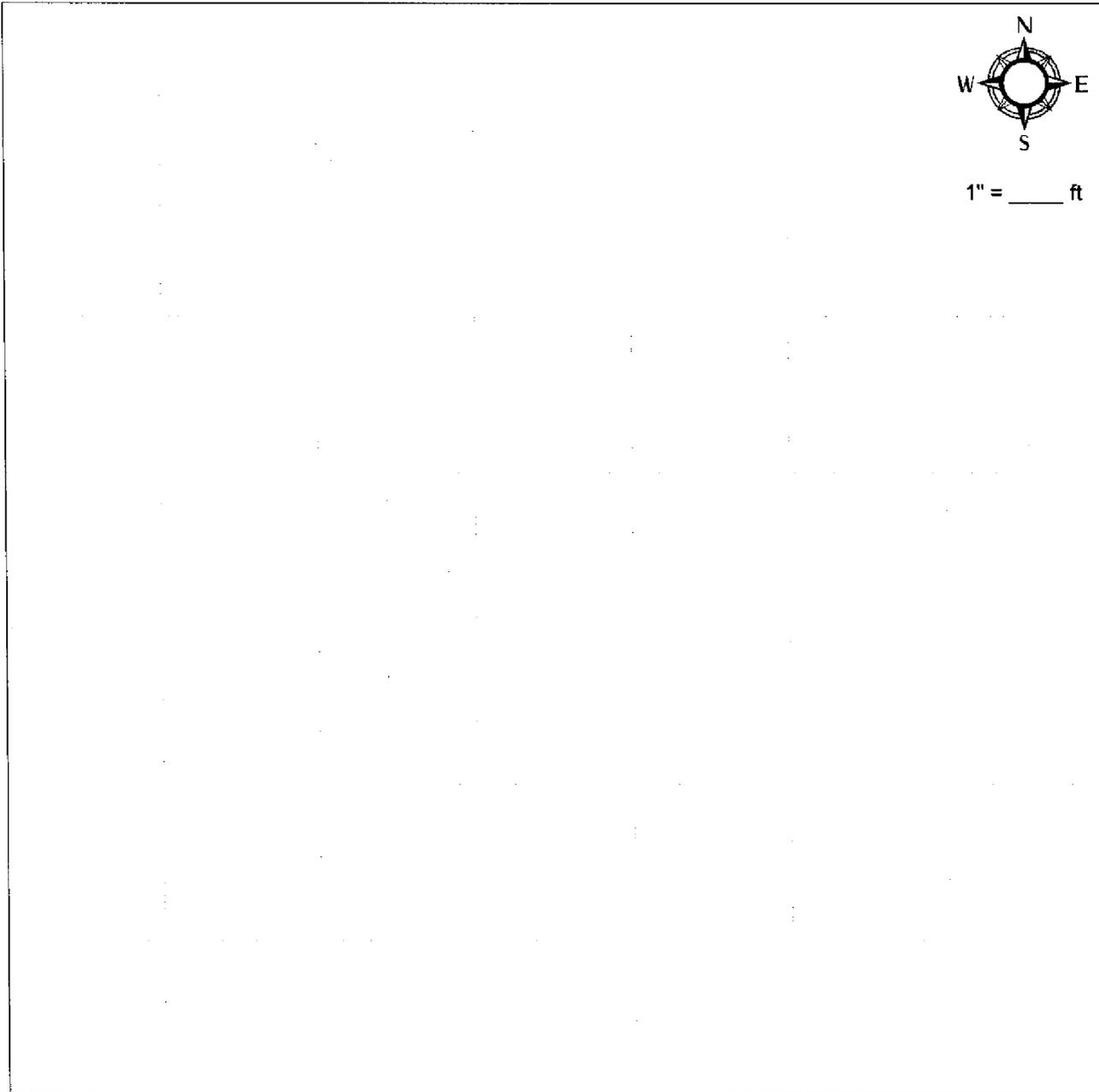
Well Driller Report and Well Log

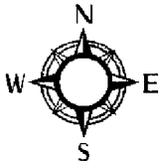
WELL REGISTRATION NUMBER
55 - 214675

SECTION 6. WELL SITE PLAN

NAME OF WELL OWNER	COUNTY ASSESSOR'S PARCEL ID NUMBER		
	BOOK	MAP	PARCEL

- ❖ 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.




1" = ____ ft

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.

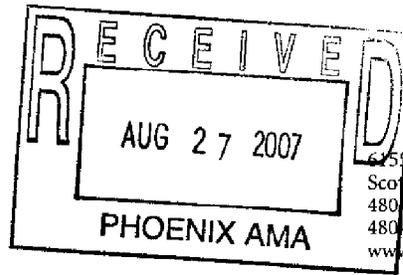
DRILLING FIRM	SIGNATURE OF QUALIFYING PARTY	DATE
AZ Beerman Drilling		10-17-07

X



*Practical Solutions
in Groundwater Science*

August 23, 2007



6250 E. Indian School Rd., Suite 200
Scottsdale, Arizona 85251
480-659-7131 office
480-659-7143 fax
www.clearcreekassociates.com

Sharon Ward
Phoenix Active Management Area
Arizona Department of Water Resources
3550 North Central Ave
Phoenix, Arizona 85012

**Hydrotest Data Results for well No. 55-214675
Test Permit No. 59-214674**

Dear Sharon:

The Arizona Department of Water Resources previously issued Hydrologic Test Permit No. 59-214674 to allow for the drilling and testing of Well No. 55-214675. Well No. 55-214675 is referenced as the 164th and Riggs Rd Well and is located in the SW $\frac{1}{4}$ (10-acre) of the SW $\frac{1}{4}$ (40-acre) of the SE $\frac{1}{4}$ (160-acre) of Section 27, in Township 2 South, Range 6 East of the Gila and Salt River Baseline and Meridian, also designated as D(2-6)27DCC. The purpose of this letter is to satisfy the hydrologic testing permit condition by providing the results of the hydrologic test data for the well.

The hydrologic testing performed under Hydrologic Test Permit No. 59-214674 included a 10-hour step-rate pumping test and a 24-hour constant-rate aquifer test. Flow rates were monitored using a flow meter installed in the discharge pipe. Water levels were measured with an electric sounder.

- A 10-hour step-rate pumping test was performed on August 16, 2007, which included pumping for 2 hours at average rates of approximately 750 gallons per minute (gpm), 925 gpm, 1,100 gpm, 1,300 gpm, and 1,525 gpm. The static water level was measured at 247.5 feet below land surface (bls) prior to starting the pump. The water-level drawdown measurements at the end of steps 1 through 5 were: 37.5 feet, 50.7 feet, 63.7 feet, 81.5 feet, and 99.5 feet, respectively. The resultant specific capacity values ranged from 20.0 to 15.3 gallons per minute per foot of drawdown (gpm/ft) at the end of the steps.
- The 24-hour constant-rate aquifer test at the 164th and Riggs Rd. Well was performed on August 20-21, 2007. The static water level was measured at 246.8 feet bls prior to starting the pump. The discharge rate averaged approximately 1,493 gpm over the 24-

hour period. The maximum drawdown measured during the 24-hour constant rate test was 95.4 feet, which equates to a pumping water level of 342.3 feet bls, and a specific capacity of 15.6 gpm/ft. An analysis of the Cooper-Jacob Plot results in an aquifer transmissivity of approximately 138,300 gallons per day per foot (gpd/ft) for the aquifer penetrated by the 164th and Riggs Well. Analysis of the Theis Recovery Plot results in an aquifer transmissivity of approximately 138,300 gpd/ft for the aquifer penetrated by the 164th and Riggs Rd. Well.

The total volume of water pumped during this hydrologic testing was calculated as follows:

Step-Rate Pumping Test:	677,000 gallons
<u>Constant-Rate Aquifer Test:</u>	<u>2,150,500 gallons</u>
Total Volume Pumped:	2,218,200 gallons (6.8 acre-feet)

Discharge water was routed across Riggs road to a nearby irrigation canal. Water level measurements collected during aquifer testing as well as graphs of the results are attached.

If you have any questions regarding the results of the hydrologic testing, please contact me at (480) 659-7131.

Sincerely,

CLEAR CREEK ASSOCIATES, PLC.



Matthew Frailey G.I.T.
Project Hydrologist

Attachments

Constant-Rate Aquifer Test
Step-Rate Pumping Test
Cooper-Jacob Plot
Theis Recovery Plot

Gilbert 164th Riggs Road
D(2-6)27dcc
24-Hour Aquifer Test

Aquifer Test Data											
Project No.: 008035-001											
Well Location: D(2-6)27dcc											
Well No.: 55-647145											
Measured By: LNP											
Pump On Date: 8/20/2007											
Pump Off Date: 8/21/2007											
Duration of Aquifer Test: 24 hr											
Pump Settings: 600 ft bis											
Screen Interval: 700-780' & 795-835' bis											
How Q Measured: Flowmeter, McCrometer											
Time of Measurement	Time since Pumping Started (min)	Recovery Time (min)	WT	Sounder Reading (feet)	Correction (feet)	Water Level (feet)	Drawdown (feet)	Average Discharge Rate (gpm)	Totalizer Readings (x 1000 gal)	Specific Capacity Based on Totalizer Readings (gpm/ft)	Remarks
6:00	0			247.84	1	246.84	0.00	1493	47979.5	0.0	Pump On
6:03	3			329.15	1	328.15	81.31	1493	47893.5	18.37	
6:04	4			331.46	1	330.46	83.62	1493	47884.0	17.86	
6:05	5			332.23	1	331.23	84.63	1493	47885.5	17.65	
6:06	6			333.57	1	332.53	85.39	1493	47887.0	17.49	
6:07	7			334.04	1	333.04	86.21	1493	47888.0	17.40	
6:08	8			334.65	1	333.65	86.81	1493	47890.0	17.32	
6:09	9			335.02	1	334.02	87.18	1493	47893.0	17.13	
6:10	10			335.44	1	334.44	87.60	1493	47895.5	17.05	
6:11	11			335.76	1	334.76	87.92	1493	47899.0	16.99	
6:12	12			336.34	1	335.34	88.50	1493	48001.5	16.87	
6:13	13			336.56	1	335.56	88.72	1493	48004.5	16.83	
6:14	14			336.87	1	335.87	89.03	1493	48007.5	16.77	
6:15	15			337.69	1	336.69	89.85	1493	48018.5	16.62	
6:16	16			338.38	1	337.38	90.12	1493	48023.0	16.57	
6:17	17			338.83	1	337.83	90.99	1493	48037.5	16.53	
6:18	18			339.07	1	338.07	91.23	1493	48067.5	16.41	
6:19	19			339.37	1	338.37	91.53	1493	48090.0	16.32	
6:20	20			339.74	1	338.74	91.90	1493	48112.5	16.26	
6:21	21			340.17	1	339.17	92.33	1493	48136.0	16.25	
6:22	22			340.02	1	339.02	92.18	1493	48157.0	16.17	
6:23	23			340.40	1	339.40	92.56	1493	48180.0	16.20	
6:24	24			340.53	1	339.53	92.89	1493	48202.0	16.13	
6:25	25			340.97	1	339.97	93.13	1493	48224.0	16.84	Valve Problem, dropped to ~1450 gpm
6:26	26			340.16	1	339.16	92.32	1493	48246.0	16.76	Valve Problem, dropped to ~1450 gpm
6:27	27			340.42	1	339.42	92.58	1493	48268.0	16.18	
6:28	28			340.44	1	339.44	92.60	1493	48290.5	16.13	
6:29	29			340.69	1	339.69	92.85	1493	48313.0	16.13	
6:30	30			340.60	1	339.60	92.78	1493	48335.5	16.08	
6:31	31			340.69	1	339.69	92.85	1493	48357.5	16.08	
6:32	32			340.70	1	339.70	92.86	1493	48379.5	16.10	
6:33	33			341.22	1	340.22	93.38	1493	48401.5	16.08	
6:34	34			341.50	1	340.50	93.66	1493	48423.5	16.08	
6:35	35			341.80	1	340.80	93.96	1493	48445.5	15.99	
6:36	36			341.68	1	340.68	93.84	1493	48467.5	15.94	
6:37	37			341.45	1	340.45	93.61	1493	48489.5	15.89	
6:38	38			341.16	1	341.16	94.32	1493	48511.0	15.91	
6:39	39			341.38	1	341.38	94.54	1493	48532.5	15.85	
6:40	40			341.50	1	341.50	94.66	1493	48554.0	15.80	
6:41	41			341.42	1	341.42	94.58	1493	48575.5	15.78	
6:42	42			341.54	1	341.54	94.70	1493	48597.0	15.77	
6:43	43			341.47	1	341.47	94.63	1493	48618.5	15.77	
6:44	44			341.38	1	341.38	94.54	1493	48640.0	15.78	
6:45	45			341.49	1	341.49	94.65	1493	48661.5	15.80	
6:46	46			341.30	1	341.30	94.46	1493	48683.0	15.78	
6:47	47			341.35	1	341.35	94.51	1493	48704.5	15.81	
6:48	48			341.38	1	341.38	94.54	1493	48726.0	15.80	
6:49	49			341.38	1	341.38	94.54	1493	48747.5	15.80	
6:50	50			341.40	1	341.40	94.56	1493	48769.0	15.79	
6:51	51			341.66	1	341.66	94.82	1493	48790.5	15.75	
6:52	52			341.83	1	341.83	94.99	1493	48812.0	15.72	
6:53	53			342.26	1	342.26	95.42	1493	48833.5	15.65	
6:54	54			342.36	1	342.36	95.42	1493	50130.0	15.65	Pump shut off

Corrected SWL (feet ble)
Measuring Point:
Correction (feet):
Available Drawdown (feet):
Totalizer Start (x1000 gal) = 2,160,500
Totalizer End (x1000 gal) = 1493

**Gilbert 164th Riggs Road
D(2-6)27dcc
Aquifer Test Recovery Data**

Aquifer Test Data											
Project: Gilbert 164th and Riggs Road			Project No.: 008035-001			Corrected SWL (feet bis):			Remarks		
Well Location: D(2-6)27dcc			Well No.: 55-647145			Measuring Point:			2,150,500		
Well Diameter: 18"			Measured By: LNP			Correction (feet):			1		
Pump Setting: 600 ft bis			Pump On Date: 8/20/2007			Available Drawdown (feet):			332.16		
Screen Interval: 700'-780' & 795'-835' bis			Pump off Date: 8/21/2007			Totalizer Start (X1000 gal) =			2,150,500		
How Q Measured: Flowmeter, McCrometer			Duration of Aquifer Test: 24 hr			Totalizer End (X1000 gal) =			1493		
Time of Measurement	Time Since Pumping Started (t) (min.)	Recovery Time (t') (min.)	u'	Sounder Reading (feet)	Correction (feet)	Water Level (feet)	Residual Drawdown (feet)	Calculated Recovery s-s' (ft')	Percent Recovery	Remarks	
6:01	1441	1	1441.00	244.62	1	243.62	-3.22	98.64	103.37		
6:02	1442	2	721.00	246.45	1	245.45	-1.39	96.81	101.46		
6:03	1443	3	481.00	254.13	1	253.13	6.29	89.13	93.41		
6:04	1444	4	361.00	254.62	1	253.62	6.78	88.64	92.89		
6:05	1445	5	289.00	254.48	1	253.48	6.64	88.78	93.04		
6:06	1446	6	241.00	254.22	1	253.22	6.38	89.04	93.31		
6:07	1447	7	206.71	254.02	1	253.02	6.18	89.24	93.52		
6:08	1448	8	181.00	253.72	1	252.72	5.88	89.54	93.84		
6:09	1449	9	161.00	253.52	1	252.52	5.68	89.74	94.05		
6:10	1450	10	145.00	253.33	1	252.33	5.49	89.93	94.25		
6:12	1452	12	121.00	253.07	1	252.07	5.23	90.19	94.52		
6:14	1454	14	103.86	252.9	1	251.90	5.06	90.36	94.70		
6:16	1456	16	91.00	252.74	1	251.74	4.90	90.52	94.86		
6:18	1458	18	81.00	252.55	1	251.55	4.71	90.71	95.06		
6:20	1460	20	73.00	252.42	1	251.42	4.58	90.84	95.20		
6:25	1465	25	58.60	252.18	1	251.18	4.34	91.08	95.45		
6:30	1470	30	49.00	252.05	1	251.05	4.21	91.21	95.59		
6:40	1480	40	37.00	251.79	1	250.79	3.95	91.47	96.86		
6:50	1490	50	29.80	251.46	1	250.46	3.62	91.80	96.21		
7:00	1500	60	25.00	251.32	1	250.32	3.48	91.94	96.35		
7:15	1515	75	20.20	251.08	1	250.08	3.24	92.18	96.60		
7:30	1530	90	17.00	250.9	1	249.90	3.06	92.36	96.79		
7:45	1545	105	14.71	250.5	1	249.50	2.66	92.76	97.21		
8:00	1560	120	13.00	250.5	1	249.50	2.66	92.76	97.21		

Gilbert 164th/ Riggs Road Step-Test Data

Project:	Gilbert 164th and Riggs Road	Project Number:	008035	Static Water Level:	247.49' bis	Totalizer start =	47300000
Well Location:	DV2-627doc	Well No.:	55-647145	Measuring Point:	top of PVC sounding tube	Totalizer end =	47977000
Well Diameter:	18"	Measured By:	LNP & BMH	Elevation Measuring Point:	1' Above Land Surface	Initial Sounding	247.49
Pump Setting:	600' bis	Pump On Date & Time:	8/16/2007 6:00 AM	Available Drawdown:	332.51 ft	Correction =	1.0
Screen Interval(s):	700'-780' bis & 795'-835' bis	Pump Off Date & Time:	8/16/2007 4:00 PM	Distance From Pumping Well	N/A	SWL =	246.49
How Q Measured:	McCrometer Flowmeter/Totalizer	Duration of Test:	10 Hours	Initial Totalizer Reading:	047300 (x1000 gal.)		

Step-Rate Discharge Data

Test Performed on August 16, 2007									
Gilbert 164th and Riggs Road									
Gilbert, Arizona									
Step	Step Time (min)	Test Time (min)	Sounding Reading (feet)	Correction (feet)	Water Level (ft bis)	Drawdown (feet)	Discharge (gpm)	Spec. Cap. (gpm / ft)	Totalizer (gal x 1000)
Step 1	0	0	247.49	1.00	246.49	0.00	0.00	0.00	047300
	1	1	260.00	1.00	259.00	12.51	---	---	---
	3	3	269.97	1.00	268.97	22.48	750	33.36	047301
	4	4	280.52	1.00	279.52	33.03	750	22.71	047302
	5	5	280.85	1.00	279.85	33.36	750	22.48	047302.5
	6	6	281.36	1.00	280.36	33.87	750	22.14	047303.5
	7	7	281.78	1.00	280.78	34.29	750	21.87	047304
	8	8	282.02	1.00	281.02	34.53	750	21.72	047306
	9	9	282.14	1.00	281.14	34.65	750	21.65	047306
	10	10	282.26	1.00	281.26	34.77	750	21.67	047307
	12	12	282.65	1.00	281.65	35.16	750	21.33	047308
	14	14	283.30	1.00	282.30	35.81	750	20.94	047310
	16	16	283.24	1.00	282.24	35.75	750	20.98	047311
	18	18	283.35	1.00	282.35	35.86	750	20.91	047312.5
	20	20	283.44	1.00	282.44	35.95	750	20.86	047314
	25	25	283.63	1.00	282.63	36.14	750	20.75	047318
	30	30	284.03	1.00	283.03	36.54	750	20.53	047322
	40	40	284.20	1.00	283.20	36.71	750	20.43	047329
	50	50	284.46	1.00	283.46	36.97	750	20.29	047337
	60	60	284.59	1.00	283.59	37.10	750	20.22	047344
	70	70	284.65	1.00	283.65	37.16	750	20.18	047352
	80	80	284.69	1.00	283.69	37.20	750	20.16	047369.5
	90	90	284.73	1.00	283.73	37.24	750	20.14	047367
	100	100	284.62	1.00	283.62	37.13	750	20.20	047374
	110	110	284.76	1.00	283.76	37.27	750	20.12	047382
	120	120	285.00	1.00	284.00	37.51	750	19.99	047390

Gilbert 164th/ Riggs Road Step-Test Data

Project:	Gilbert 164th and Riggs Road	Project Number:	008035	Static Water Level:	247.48' bis	Totalizer start =	4730000
Well Location:	D(2-6)27dcc	Well No.:	55-647145	Measuring Point:	top of PVC sounding tube	Totalizer end =	4797700
Well Diameter:	18"	Measured By:	LNP & BWH	Elevation Measuring Point:	1' Above Land Surface	Initial Sounding	247.49
Pump Setting:	600' bis	Pump On Date & Time:	8/16/2007 6:00 AM	Available Drawdown:	332.51 ft	Correction =	1.0
Screen Intervals:	700'-780' bis & 785'-835' bis	Pump Off Date & Time:	8/16/2007 4:00 PM	Distance From Pumping Well	N/A	SWL =	246.49
How Q Measured:	McCrometer Flowmeter/Totalizer	Duration of Test:	10 Hours	Initial Totalizer Reading:	047300 (x1000 gal.)		

Step-Rate Discharge Data

Test Performed on August 16, 2007

Gilbert 164th and Riggs Road

Gilbert, Arizona

Step	Step Time (min)	Test Time (min)	Sounding Reading (feet)	Correction (feet)	Water Level (ft bis)	Drawdown (feet)	Discharge (gpm)	Spec. Cap. (gpm / ft.)	Totalizer (gal x 1000)
Step 2	2	122	293.95	1.00	292.95	46.46	936	20.16	047391.5
	3	123	296.05	1.00	295.05	48.56	936	19.28	047392
	4	124	296.46	1.00	295.46	48.97	936	19.12	047393
	5	125	296.75	1.00	295.75	49.26	936	19.01	047394
	6	126	296.93	1.00	295.93	49.44	936	18.94	047395
	7	127	297.04	1.00	296.04	49.55	936	18.90	047396
	8	128	297.03	1.00	296.03	49.54	936	18.90	047397
	9	129	297.00	1.00	296.00	49.51	936	18.91	047398
	10	130	297.29	1.00	296.29	49.80	936	18.80	047398
	12	132	297.20	1.00	296.20	49.71	936	18.84	047400.5
	14	134	297.22	1.00	296.22	49.73	936	18.83	047402.5
	16	136	297.16	1.00	296.16	49.67	936	18.85	047404
	18	138	297.31	1.00	296.31	49.82	936	18.80	047406
	20	140	297.33	1.00	296.33	49.84	936	18.79	047408
	25	145	297.50	1.00	296.50	50.01	936	18.73	047412.5
	30	150	297.60	1.00	296.60	50.11	936	18.69	047417.5
	40	160	297.74	1.00	296.74	50.25	936	18.64	047427
	50	170	297.73	1.00	296.73	50.24	936	18.64	047436
	60	180	297.83	1.00	296.83	50.34	936	18.60	047445.5
	70	190	297.89	1.00	296.89	50.40	936	18.58	047455
	80	200	297.86	1.00	296.86	50.37	936	18.59	047464.5
	90	210	297.88	1.00	296.88	50.39	936	18.58	047474
	100	220	298.11	1.00	297.11	50.62	936	18.50	047483.5
	110	230	298.24	1.00	297.24	50.75	936	18.45	047493
	120	240	298.20	1.00	297.20	50.71	936	18.47	047502

Gilbert 164th/ Riggs Road Step-Test Data

Project:	Gilbert 164th and Riggs Road	Project Number:	008035	Static Water Level:	247.49' bis	Totalizer start =	47300000
Well Location:	DV2-6/270cc	Well No.:	55-647145	Measuring Point:	top of PVC sounding tube	Totalizer end =	47977000
Well Diameter:	18"	Measured By:	LNP & BWH	Elevation Measuring Point:	1' Above Land Surface	Initial Sounder	247.49
Pump Setting:	600' bis	Pump On Date & Time:	8/16/2007 6:00 AM	Available Drawdown:	332.51 ft	Correction =	1.0
Screen Interval(s):	700-780' bis & 795-835' bis	Pump Off Date & Time:	8/16/2007 4:00 PM	Distance From Pumping Well	N/A	SWL =	246.49
How Q Measured:	McCrometer Flowmeter/Totalizer	Duration of Test:	10 Hours	Initial Totalizer Reading:	047300 (x1000.gal.)		

Step-Rate Discharge Data

Test Performed on August 16, 2007

Gilbert 164th and Riggs Road

Gilbert, Arizona

Step	Step Time (min)	Test Time (min)	Sounder Reading (feet)	Correction (feet)	Water Level (ft bis)	Drawdown (feet)	Discharge (gpm)	Spec. Cap. (gpm / ft)	Totalizer (gal x 1000)
Step 3	2	242	307.85	1.00	306.85	60.36	1108	18.36	---
	3	243	309.63	1.00	308.63	62.14	1108	17.84	047505
	4	244	310.03	1.00	309.03	62.54	1108	17.72	047506.5
	5	245	310.17	1.00	309.17	62.68	1108	17.68	047507.5
	6	246	310.51	1.00	309.51	63.02	1108	17.59	047508.5
	7	247	310.63	1.00	309.63	63.14	1108	17.55	047509.5
	8	248	310.65	1.00	309.65	63.16	1108	17.55	047511
	9	249	310.61	1.00	309.61	63.12	1108	17.56	047512
	10	250	310.58	1.00	309.58	63.09	1108	17.57	047513
	12	252	310.65	1.00	309.65	63.16	1108	17.55	047516
	14	254	310.64	1.00	309.64	63.15	1108	17.55	047517.5
	16	256	310.65	1.00	309.65	63.16	1108	17.55	047519.5
	18	258	310.65	1.00	309.65	63.16	1108	17.55	047522
	20	260	310.68	1.00	309.68	63.19	1108	17.54	047524
	25	265	310.68	1.00	309.68	63.19	1108	17.54	047529.5
	30	270	310.73	1.00	309.73	63.24	1108	17.53	047535.5
	40	280	310.94	1.00	309.94	63.45	1108	17.47	047547
	50	290	311.06	1.00	310.06	63.57	1108	17.43	047558
	60	300	310.94	1.00	309.94	63.45	1108	17.47	047568
	70	310	311.13	1.00	310.13	63.64	1108	17.42	047580
	80	320	310.96	1.00	309.96	63.47	1108	17.46	047592
	90	330	311.04	1.00	310.04	63.55	1108	17.44	047602
	100	340	311.10	1.00	310.10	63.61	1108	17.42	047613
	110	350	311.09	1.00	310.09	63.60	1108	17.43	047624
	120	360	311.15	1.00	310.15	63.66	1108	17.41	047635

Gilbert 164th/ Riggs Road Step-Test Data

Project:	Gilbert 164th and Riggs Road	Project Number:	008035	Static Water Level:	247.48' bis	Totalizer start =	47300000
Well Location:	D(2-6)27dccc	Well No.:	55-647145	Measuring Point:	top of PVC sounding tube	Totalizer end =	47877000
Well Diameter:	18"	Measured By:	LNP & BWH	Elevation Measuring Point:	1' Above Land Surface	Initial Sounding	247.48
Pump Setting:	600' bis	Pump On Date & Time:	8/16/2007 6:00 AM	Available Drawdown:	332.51 ft	Correction =	1.0
Screen Interval(s):	700'-780' bis & 795'-935' bis	Pump Off Date & Time:	8/16/2007 4:00 PM	Distance From Pumping Well	N/A	SWL =	246.48
How Q Measured:	McCrometer Flowmeter/Totalizer	Duration of Test:	10 Hours	Initial Totalizer Reading:	047300 (x1000 gal.)		

Step-Rate Discharge Data

Test Performed on August 16, 2007									
Gilbert 164th and Riggs Road									
Gilbert, Arizona									
Step	Time (min)	Test Time (min)	Sounding Reading (feet)	Correction (feet)	Water Level (ft bis)	Drawdown (feet)	Discharge (gpm)	Spec. Cap. (gpm / ft)	Totalizer (gal x 1000)
Step 4	1	361	317.70	1.00	316.70	70.21	1308	18.63	047637
	2	362	324.40	1.00	323.40	76.91	1308	17.01	047638
	3	363	326.35	1.00	325.35	78.86	1308	16.59	047639
	4	364	326.85	1.00	325.85	79.36	1308	16.49	047640
	5	365	327.15	1.00	326.15	79.66	1308	16.42	047641.5
	6	366	327.25	1.00	326.25	79.76	1308	16.40	047643
	7	367	327.53	1.00	326.53	80.04	1308	16.35	047644
	8	368	327.55	1.00	326.55	80.06	1308	16.34	047645.5
	9	369	327.72	1.00	326.72	80.23	1308	16.31	047647
	10	370	327.84	1.00	326.84	80.35	1308	16.28	047648
	12	372	327.86	1.00	326.86	80.37	1308	16.28	047651
	14	374	327.90	1.00	326.90	80.41	1308	16.27	047653.5
	16	376	327.91	1.00	326.91	80.42	1308	16.27	047656.5
	18	378	328.00	1.00	327.00	80.51	1308	16.25	047659
	20	380	328.07	1.00	327.07	80.58	1308	16.24	047661.5
	25	385	328.10	1.00	327.10	80.61	1308	16.23	047668
	30	390	328.15	1.00	327.15	80.66	1308	16.22	047675
	40	400	328.30	1.00	327.30	80.81	1308	16.19	047688
	50	410	328.30	1.00	327.30	80.81	1308	16.19	047701
	60	420	328.46	1.00	327.46	80.97	1308	16.16	047714.5
	70	430	328.71	1.00	327.71	81.22	1308	16.11	047727.5
	80	440	328.62	1.00	327.62	81.13	1308	16.13	047741
	90	450	328.69	1.00	327.69	81.20	1308	16.11	047754
	100	460	328.85	1.00	327.85	81.36	1308	16.08	047768
	110	470	328.86	1.00	327.86	81.37	1308	16.08	047781.5
	120	480	328.84	1.00	327.84	81.35	1308	16.08	047794

Gilbert 164th/ Riggs Road Step-Test Data

Project:	Gilbert 164th and Riggs Road	Project Number:	008035	Static Water Level:	247.49' bis	Totalizer start =	47300000
Well Location:	D(2-S)27doc	Well No.:	55-647145	Measuring Point:	top of PVC sounding tube	Totalizer end =	47977000
Well Diameter:	18"	Measured By:	LNP & BWH	Elevation Measuring Point:	1' Above Land Surface	Initial Sounder	247.48
Pump Setting:	600' bis	Pump On Date & Time:	8/16/2007 6:00 AM	Available Drawdown:	332.51 ft	Correction =	1.0
Screen Interval(s):	700'-780' bis & 795'-835' bis	Pump Off Date & Time:	8/16/2007 4:00 PM	Distance From Pumping Well	N/A	SWL =	246.48
How Q Measured:	McCrometer Flowmeter/Totalizer	Duration of Test:	10 Hours	Initial Totalizer Reading:	047300 (x1000 gal.)		

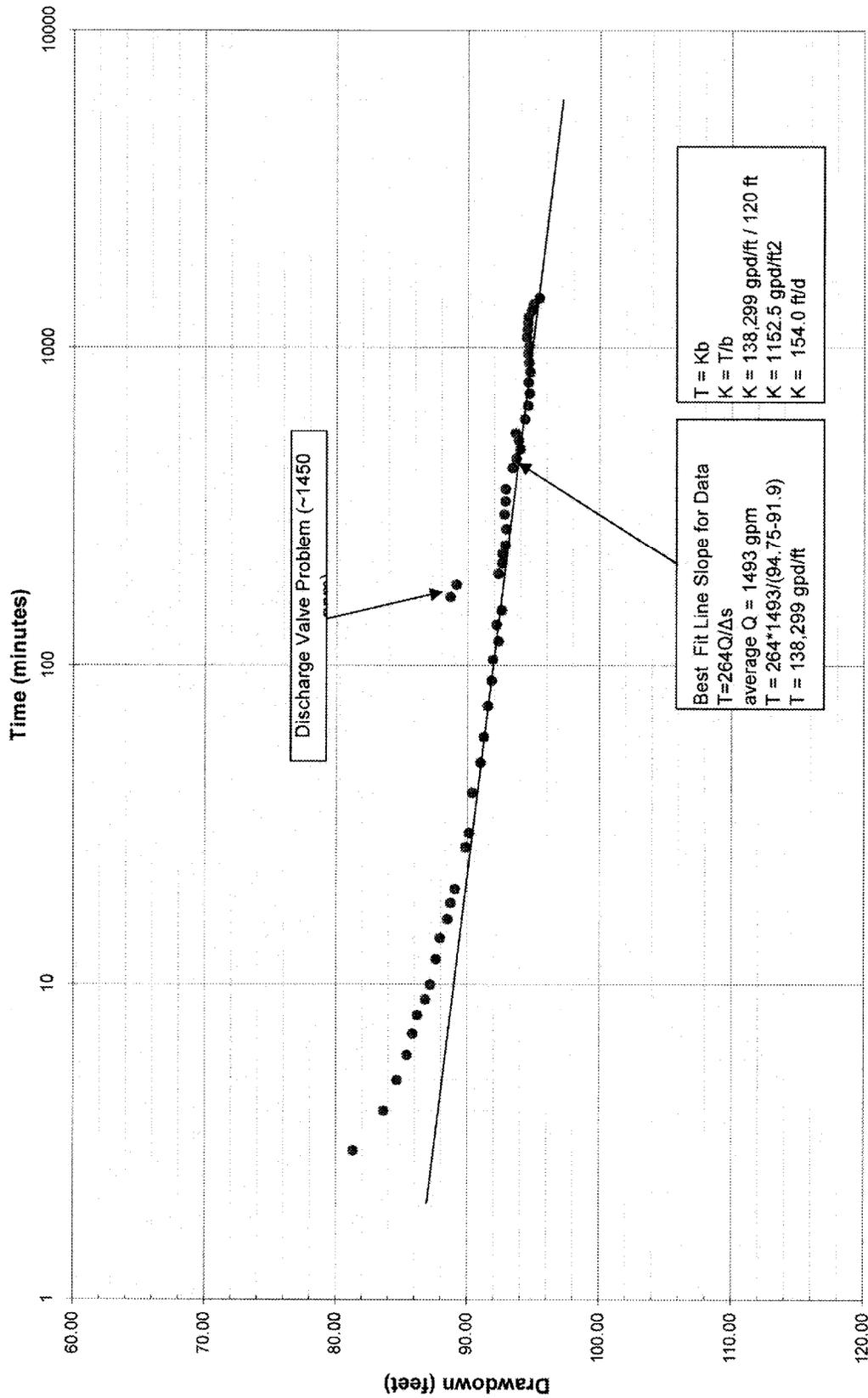
Step-Rate Discharge Data

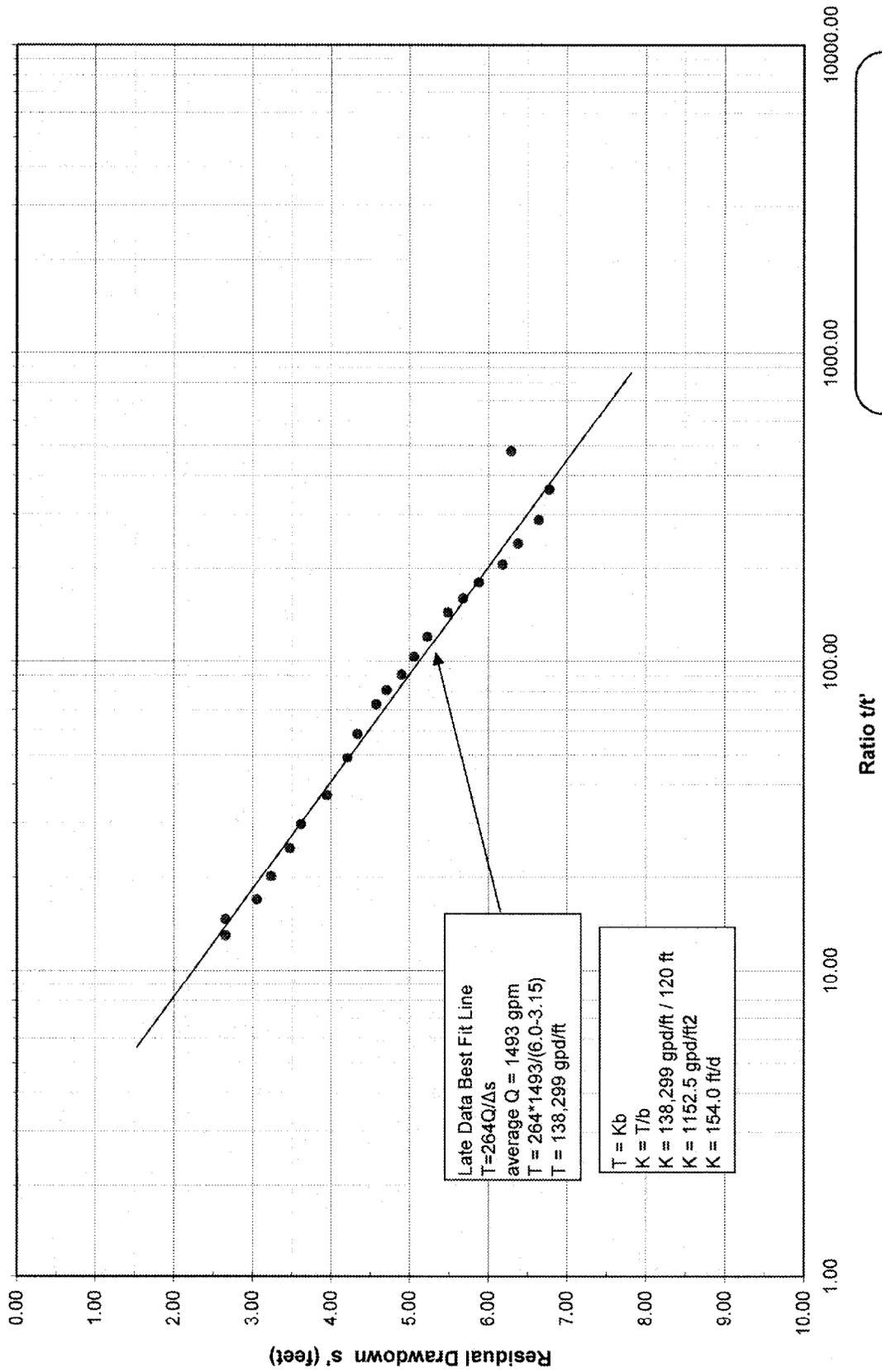
Test Performed on August 16, 2007

Gilbert 164th and Riggs Road

Gilbert, Arizona

Step	Step Time (min)	Test Time (min)	Sounder Reading (feet)	Correction (feet)	Water Level (ft bis)	Drawdown (feet)	Discharge (gpm)	Spec. Cap. (gpm / ft)	Totalizer (gal x 1000)
5	2	482	340.45	1.00	339.45	92.96	1525	16.41	047797
	3	483	344.00	1.00	343.00	96.51	1525	15.81	047798
	4	484	344.87	1.00	343.87	97.38	1525	15.66	047799.5
	5	485	345.16	1.00	344.16	97.67	1525	15.62	047801
	6	486	345.32	1.00	344.32	97.83	1525	15.59	047803
	7	487	345.39	1.00	344.39	97.90	1525	15.58	047804.5
	8	488	345.51	1.00	344.51	98.02	1525	15.56	047806
	9	489	345.58	1.00	344.58	98.09	1525	15.55	047807.5
	10	490	345.75	1.00	344.75	98.26	1525	15.52	047809
	12	492	345.90	1.00	344.90	98.41	1525	15.50	047812
	14	494	346.07	1.00	345.07	98.58	1525	15.47	047815
	16	496	346.08	1.00	345.08	98.59	1525	15.47	047818
	18	498	345.95	1.00	344.95	98.46	1525	15.49	047821.5
	20	500	346.28	1.00	345.28	98.79	1525	15.44	047824.5
	25	505	346.55	1.00	345.55	99.06	1525	15.40	047832
	30	510	346.70	1.00	345.70	99.21	1525	15.38	047839.5
	40	520	346.76	1.00	345.76	99.27	1525	15.37	047855
	50	530	346.56	1.00	345.56	99.07	1525	15.40	047870
	60	540	346.68	1.00	345.68	99.19	1525	15.38	047886.5
	70	550	346.70	1.00	345.70	99.21	1525	15.38	047902
	80	560	346.62	1.00	345.62	99.13	1525	15.39	047916
	90	570	346.64	1.00	345.64	99.15	1525	15.39	047931.5
	100	580	346.47	1.00	345.47	98.98	1525	15.41	047946.5
	110	590	346.76	1.00	345.76	99.27	1525	15.37	047963
	120	600	346.95	1.00	345.95	99.46	1525	15.34	047977





THEIS RECOVERY PLOT
 Gilbert 164th and Riggs Road
 Gilbert, Arizona

Test Date: August 20-21, 2007



**ARIZONA DEPARTMENT OF WATER RESOURCES
WATER MANAGEMENT DIVISION**

3550 North Central Avenue, Phoenix, Arizona 85012
Telephone 602 771-8585
Fax 602 771-8688



Janet Napolitano
Governor

Herbert R. Guenther
Director

April 3, 2007

Town of Gilbert
Attn: Kathy Rall
90 E. Civic Center Drive
Gilbert AZ 85234

RE: Permit to Withdraw Groundwater for Hydrologic Testing No. 59-214674.0000
Well Registration No. 55-214675; File No. D (2-6) 27 DCC

Dear Permittee:

Your permit as referenced above is enclosed for your records. Please be aware that the approval of this hydrologic testing permit does not constitute a commitment by the Department for the granting of a right to withdraw groundwater or converting the test well into a water production well. A drill card has not been issued pending your selection of a licensed drilling contractor. Once you have selected a contractor and notified the Department of your selection in writing, the drill card will be mailed to the driller you selected. A site inspection is not required at this time; however, if you apply in the future to convert the hydrologic testing well into a water production well, a site inspection will be required at that time. During that site inspection, the Department will verify the location of the well.

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 shall be reported on an annual report. The first annual reporting period shall be from the date of issuance of this permit until the end of the year 2007, or the expiration date of the permit, whichever comes first. Additionally, within sixty (60) days upon completion of the hydrologic testing, the permittee shall provide the results of the test data to the Arizona Department of Water Resources, to Sharon Ward, Water Management Division office for evaluation.

In the event the location of the proposed well changes, you must notify the Department of Water Resources 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.

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. For future changes, a Request to Change Well Information form is enclosed.

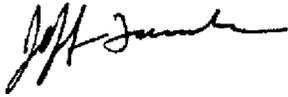
Town of Gilbert
April 3, 2007
Page Two

The Department has issued this hydrologic testing permit pursuant to A.R.S. § 45-519.01 of the Groundwater Code. The legal nature of the water withdrawn from your 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.

The 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 about the permit, please call Sharon Ward of the Phoenix AMA office at 602-771-8614.

Sincerely,



Jeff Tannler
Water Resources Supervisor

Enclosure

cc: Don Hanson, Clear Creek Associates
Sharon Ward, Phoenix Active Management Area
File



ARIZONA DEPARTMENT OF WATER RESOURCES
PERMIT TO WITHDRAW GROUNDWATER FOR
HYDROLOGIC TESTING
PURSUANT TO A.R.S. § 45-519.01

PERMIT NO. 59-214674.0000

STATE OF ARIZONA)
) ss.
COUNTY OF MARICOPA)

This is to certify that Application No. 59-214674.0000 meets the requirements of Title 45, Chapter 2, Article 7 for a Permit to Withdraw Groundwater for Hydrologic Testing. The Director hereby grants authority to the Permittee to construct and operate a well for hydrologic testing pursuant to A.R.S. § 45-519.01, subject to the following limitations and conditions:

Permit Limitations

Permittee: Town of Gilbert
 90 East Civic Center Drive
 Gilbert Arizona 85234

Active Management Area: Phoenix

Sub-basin: East Salt River Valley

PERMIT NO. 59-214674.0000

Authorized purpose of hydrologic testing: Characterization of aquifer physical parameters and quality for groundwater production

Maximum Amount of Groundwater to be Withdrawn: 20 Acre-Feet Per Annum

Authorized Disposition of Groundwater: Water will be used for dust control during construction

Authorized Points of Withdrawal:

Authorized Well Registration Numbers:	File Numbers:	Depth of Well	Casing Diameter	Casing Material
55-214675	D(2-6)27DCC	1110 Feet	18 Inches	Steel

Effective Date of Permit: April 3, 2007

Expiration Date of Permit: April 2, 2008

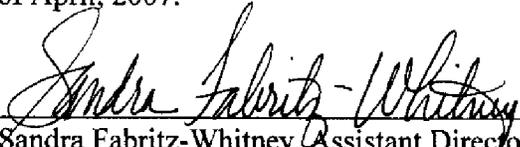
Permit Conditions

1. Within sixty (60) days upon completion of the hydrologic testing, the permittee shall provide the results of the test data to the Arizona Department of Water Resources for evaluation. Results shall be mailed to Sharon Ward, Water Management Support, Arizona Department of Water Resources, 3550 North Central, Phoenix, Arizona 85012.
2. This approval for test wells and pump test does not constitute a commitment by the Department for the granting of a right to withdraw groundwater or converting the test well into a production well.
3. The well drilled for this project shall be drilled in compliance with the Arizona Department of Water Resources minimum well construction standards, A.A.C. R12-15-811.
4. 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, 2007, or the expiration date of this permit, whichever comes first.

PERMIT NO. 59-214674.0000

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 3rd day
of April, 2007.



Sandra Fabritz-Whitney, Assistant Director

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

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

WELL REGISTRATION NO: 55-214675 PERMIT NO.: 59-214674

AUTHORIZED DRILLER: ARIZONA BEEMAN DRILLING LICENSE NO: 360

AUTHORITY TO DRILL A NON-EXEMPT WELL(S) INSIDE THE PHOENIX ACTIVE MANAGEMENT AREA FOR HYDROLOGIC TESTING HAS BEEN GRANTED TO:

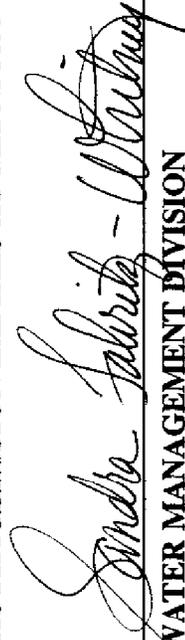
WELL OWNER: Town of Gilbert 90 E. Civic Center Drive Gilbert AZ 85234

The well(s) is/are to be located in the:

SW ¼ of the SW ¼ of the SE ¼ of Section 27 Township 2 South Range 6 East

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

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE 2ND DAY OF APRIL, 2008.


WATER MANAGEMENT DIVISION



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

**ARIZONA DEPARTMENT OF WATER RESOURCES
HYDROLOGY DIVISION
TECHNICAL SUPPORT SECTION - WQARF UNIT**

MEMORANDUM

DATE: March 21, 2007
TO: Patty Curtis, Groundwater Management Support
Scott Miller, Phoenix AMA
FROM: John Mawarura, WQARF Unit JM
SUBJECT: Permit 59-214674, Well 55-214675
APPLICATION: **Application for Permit to Withdraw Groundwater for Hydrologic Testing Purposes – Town of Gilbert**

Hydrology has reviewed the above referenced application for a permit to withdraw groundwater for hydrologic testing purposes for water quality concerns and well construction for conformance to Arizona well construction standards.

Water Quality

1. The area of groundwater withdrawal and use activities is not located near an area of known groundwater contamination that is being actively remediated pursuant to an U.S. Environmental Protection Agency, Arizona Department of Environmental Quality (ADEQ), or Department of Defense program.
2. According to the ADEQ Groundwater Database, sample results from wells located within one mile of the withdrawal and use activities indicate that parameter concentrations exceed the secondary maximum contaminant level (MCL2) for chloride (Cl), and sulfate (SO4) and the Arizona Health Based Guidance Levels (HBGLs) for sulfate. Water quality results are from samples collected on January 10, 1973; therefore, current aquifer conditions are unknown. No other water quality data are readily available.

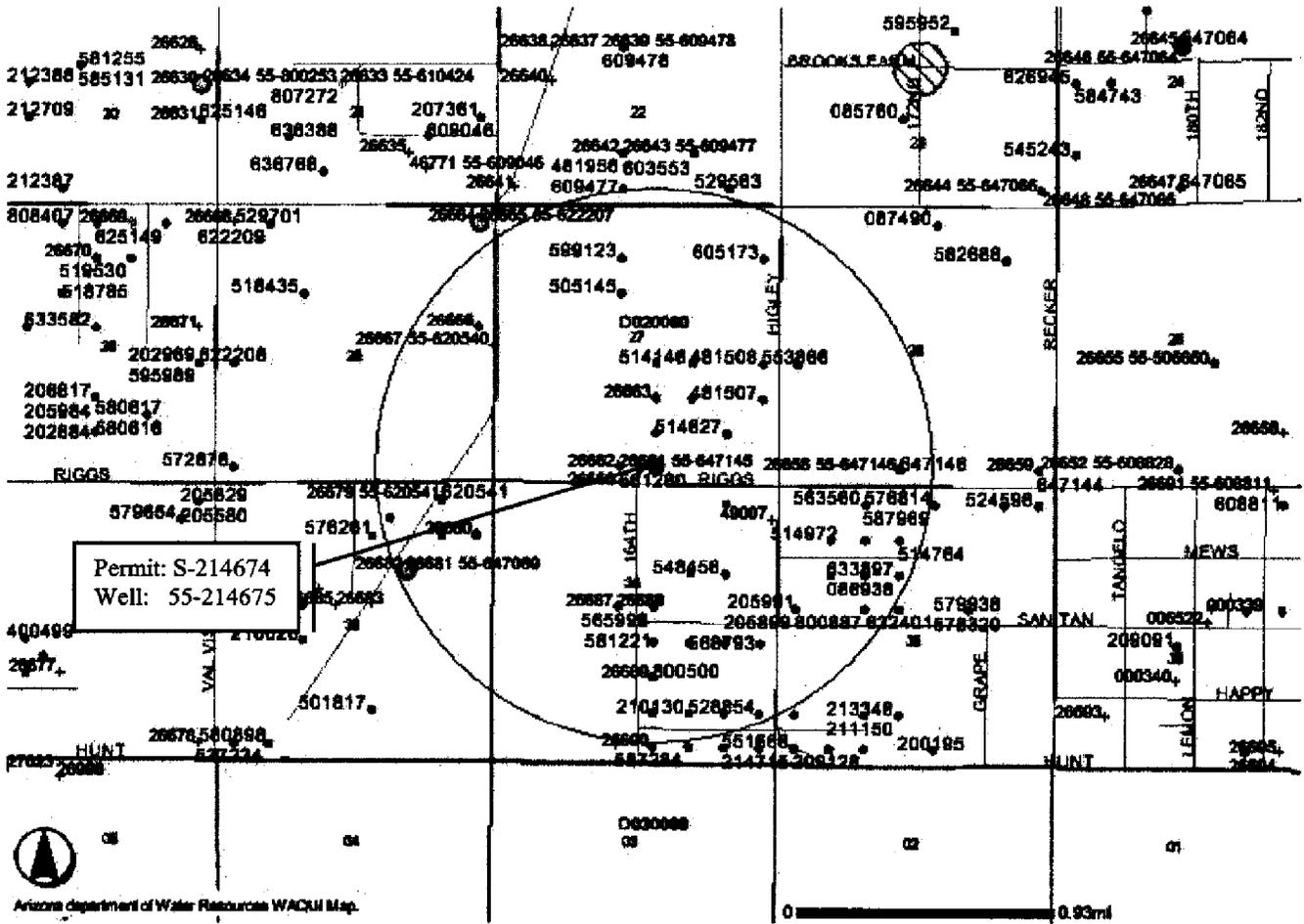
Well Construction Standards

3. The proposed well will be drilled to 1,300 feet and screened from 620 to 1090 feet. The design is consistent with minimum well construction standards.

The Hydrology WQARF Unit has no objections to approving this permit. If additional information is needed, please contact me at extension 1-8561.

Attachment: WAQUI map
Water Quality Table

**S-214674/55-214675/ TOWN OF GILBERT
 PERMIT TO WITHDRAW GROUNDWATER FOR HYDROLOGIC PURPOSES
 WITHIN PHOENIX AMA,
 D (2-6) 27 DCC**



Arizona Department of Water Resources WACRM Map.

Working Together



Arizona Department of Environmental Quality



Arizona Department of Water Resources

Map generated on 3/21/2007

Water Quality Sample Test Results for ADEQ Wells

Information provided is preliminary and subject to revision.

It may not represent the full extent of known water quality concerns.

- Legend**
- Highlighted Feature
 - theBuffer/Polygons
 - theBuffer/Target
 - ADEQ Wells
 - Wells > HCL
 - Wells > Secondary MCL
 - Wells > MCL
 - No Exceedence
 - REGISTERED WELLS
 - Streets
 - Sections
 - Townships
 - GWR LUST Buffer
 - RCRA Site Buffer
 - VRP Site Buffer
 - Registery

Rec	Results	Units	Detection Limits	Detection Limit Units	MCL	MCL Units	MCL2	MCL2 Units	Sample Date	Parameter Name	HBGL	HBGL Units	DEQ Well	Registry ID
1	330	mg/L		mg/L			250	mg/L	JAN 10 1973	CHLORIDE, TOTAL IN WATER			26682	
2	300	mg/L		mg/L			250	mg/L	JAN 10 1973	SULFATE, TOTAL (AS SO4)	400	mg/L	26682	

COPY

ARIZONA DEPARTMENT OF WATER RESOURCES
WATER MANAGEMENT DIVISION
MAIL TO: P.O. BOX 458, PHOENIX, ARIZONA 85001-0458
3550 NORTH CENTRAL AVENUE - PHOENIX, ARIZONA 85012
Phone (602) 771-8585 Fax (602) 771-8688

RECEIVED
Gilbert 164th Riggs Rd
MAR 15 2007
INFO MGMT

APPLICATION FOR PERMIT TO WITHDRAW GROUNDWATER FOR HYDROLOGIC TESTING PURPOSES WITHIN AN ACTIVE MANAGEMENT AREA (A.R.S. §45-519.01)

I. INSTRUCTIONS

- 1. COMPLETE ALL APPROPRIATE ITEMS ON THIS APPLICATION AND SIGN IN DESIGNATED PLACE.
- 2. Mail to: P.O. Box 458, Phoenix, Arizona 85001-0458 or deliver in person to the above address.
- 3. Pursuant to A.R.S. § 45-113, the application fee is \$50.00, and the permit fee is \$50.00. You may submit both checks at the time of filing the application.

FOR DEPARTMENT USE ONLY	
Application/Permit No.	59-214674
Filed	3-15-2007
AMA	Phoenix
S/B	6
W/S	LS

II. GENERAL DATA

Please check one:

- New Application
- Renewal or Modification of Permit No. 59-_____.

1. NAME OF APPLICANT Town of Gilbert

Mailing Address 90 E. Civic Center Dr.

<u>Gilbert</u>	<u>Arizona</u>	<u>85234</u>	<u>(480) 503-6842</u>
City	State	Zip Code	Telephone Number

2. NAME OF LAND OWNER where groundwater will be withdrawn Town of Gilbert

Mailing address 90 E. Civic Center Dr.

<u>Gilbert</u>	<u>AZ</u>	<u>85234</u>	<u>(480) 503-6842</u>
City	State	Zip Code	Telephone Number

3. PURPOSE OF THIS TESTING PERMIT (check only one box):

To obtain groundwater samples not exceeding 3 acre feet per annum for testing groundwater quality in order to comply with applicable environmental controls for a period of up to 10 years (A.R.S. § 45-519.01.A.)

To test hydrologic characteristics and conditions, including groundwater quality. Groundwater withdrawn shall not exceed 10 acre feet nor shall the period of withdrawal exceed 90 days. (A.R.S. § 45-519.01.B.)

- To withdraw more than 10 acre feet of groundwater for hydrologic testing purposes, and/or for a period greater than 90 days include specifics of testing circumstances that require such withdrawal and/or period. (A.R.S. § 45-519.01.D.)

To withdraw groundwater to test the hydrologic characteristics of a potential artificial groundwater recharge project site, or a potential underground storage and recovery project site. The period of withdrawal may not exceed 2 years (A.R.S. § 45-519.01.E.)

4. Groundwater will be withdrawn within the East Salt River sub-basin of the Phoenix Active Management Area.

5. The specific purpose for the hydrologic testing is: Characterization of aquifer physical parameters and quality for groundwater production.

6. Please be specific how the groundwater withdrawn will be put to beneficial use and the groundwater right number for that use if applicable.

The water will be used for dust control at the site.

7. If applicant cannot reasonably put the withdrawn groundwater to a beneficial use or provide it to a rightholder, explain why.

N/A

8. Legal description of land where groundwater will be used: T2S, R6E, SECTION 27

9. Name and mailing address of the owner of the land where groundwater will be used: Town of Gilbert

Same as above

Mailing Address	City	State	Zip Code	Telephone No.
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10. Total amount of groundwater for which application is being made: 20 acre-feet.

11. Anticipated duration of the hydrologic testing 7 Days _____ Months.

12. Requested duration of the hydrologic testing permit _____ Days 12 Months.

13. State the testing circumstances that require withdrawals in excess of 10 acre feet or a testing period for more than 90 days:

A 10-hour step-rate test will be performed, followed by a constant-rate test up to 7 days in duration for the well. The average flow rate will not exceed 2,000gpm.

14. Indicate the system by which the groundwater withdrawn for a test involving a potential recharge or storage and recovery project will be added back to the aquifer.

N/A

15. Groundwater to be withdrawn by means of:

A. WELLS ALREADY IN EXISTENCE:

Registration No.	Location	Depth	Diameter of Casing	Case Type
55- _____	_____	_____	_____	_____
55- _____	_____	_____	_____	_____

B. WELLS TO BE NEWLY CONSTRUCTED:

Complete and attach New Well Construction Supplement, DWR form 55-90, for each new well to be drilled.

16. State your plans for the well(s) after testing is completed: Conversion to Service Area Well

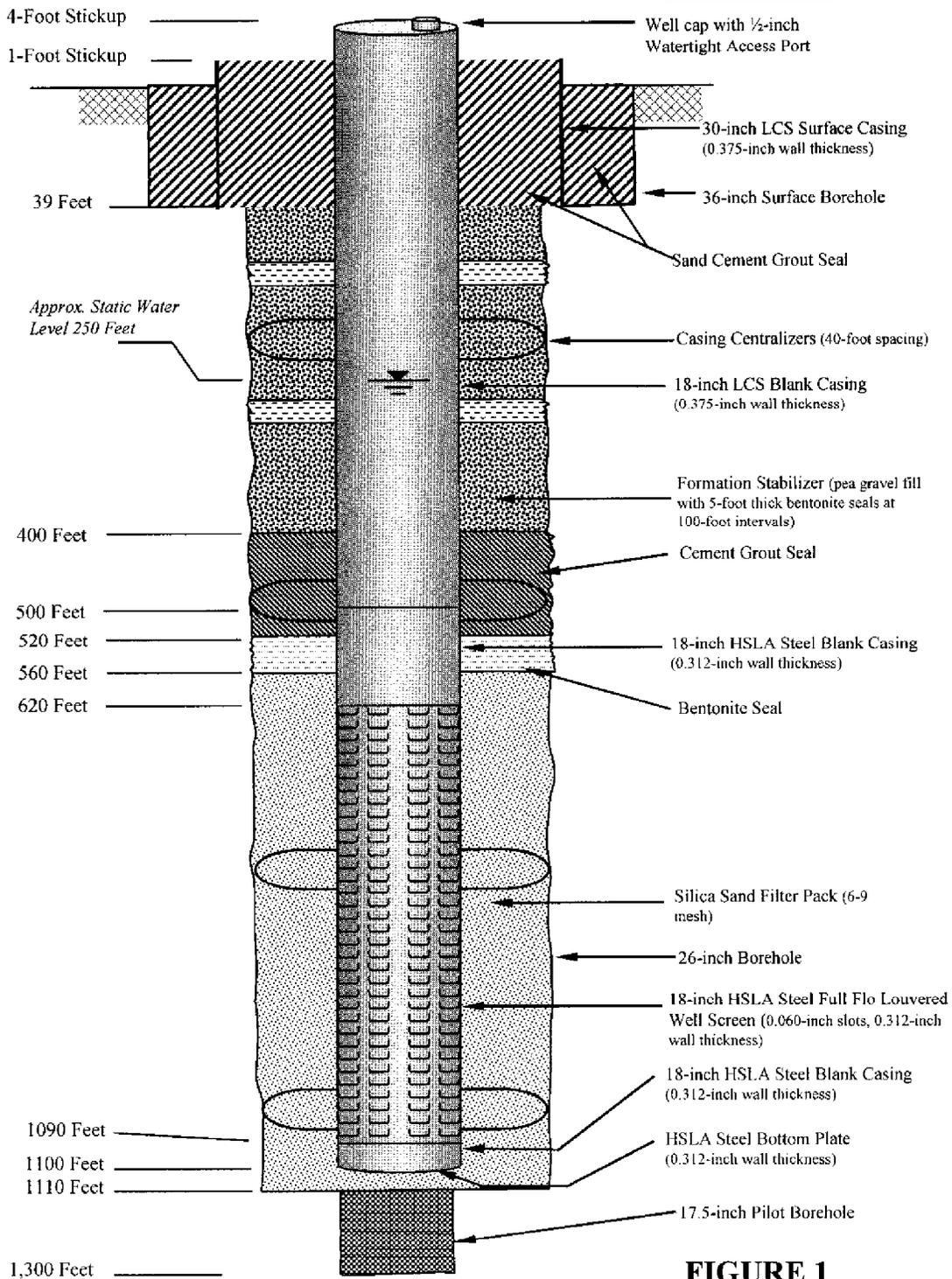
It is understood that the Permit, if granted, will be in accordance with the Groundwater Management Code (Title 45, Chapter 2). The permittee will be bound by the provisions of such law and the provisions of the Permit issued.

I (we) KATHY RALL hereby swear that all information provided in this application is true and correct to the best of my/our knowledge and belief.

Signature of Applicant Kathy Rall Date 3/8/07

Well 55-214675

Location: D(2-6)27dcc



Not To Scale

FIGURE 1
PRELIMINARY DESIGN

Town of Gilbert
(164th & Riggs Road Well)
Gilbert, Arizona

Notes: HSLA = high-strength low-alloy
LCS = low carbon steel
All diameters are O.D. except the well screen, which is nominal or if stated differently.



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- 214675

1. Well Location:

SW ¼ of the SW ¼ of the SE ¼, Sec. 27, Township 2S Range 6E.
 10AC 40AC 160AC

2. Position Location of the Well:

Latitude N33 ° 13 ' 11 " Longitude W111 ° 43 ' 40 "

Datum: NAD 83 NAD 27 Other: _____

3. County Maricopa.

4. Date construction to start: May 1, 2007.

5. Time period well will remain in use: 50 years.

6. Is pump equipment to be installed? Yes If so, design pump capacity: 1,500 GPM.

7. Well construction plan:

a. Drilling method (mud rotary, hollow-stem auger, etc.) Reverse Circulatory Rotary.

b. Borehole diameters 36 inches from Surface feet to 40 feet.
26 inches from 40 feet to 1,110 feet.

c. Casing materials 18" LCS blank, 18"HSLA blank, 18" HSLA Full Flo Louvered screen.

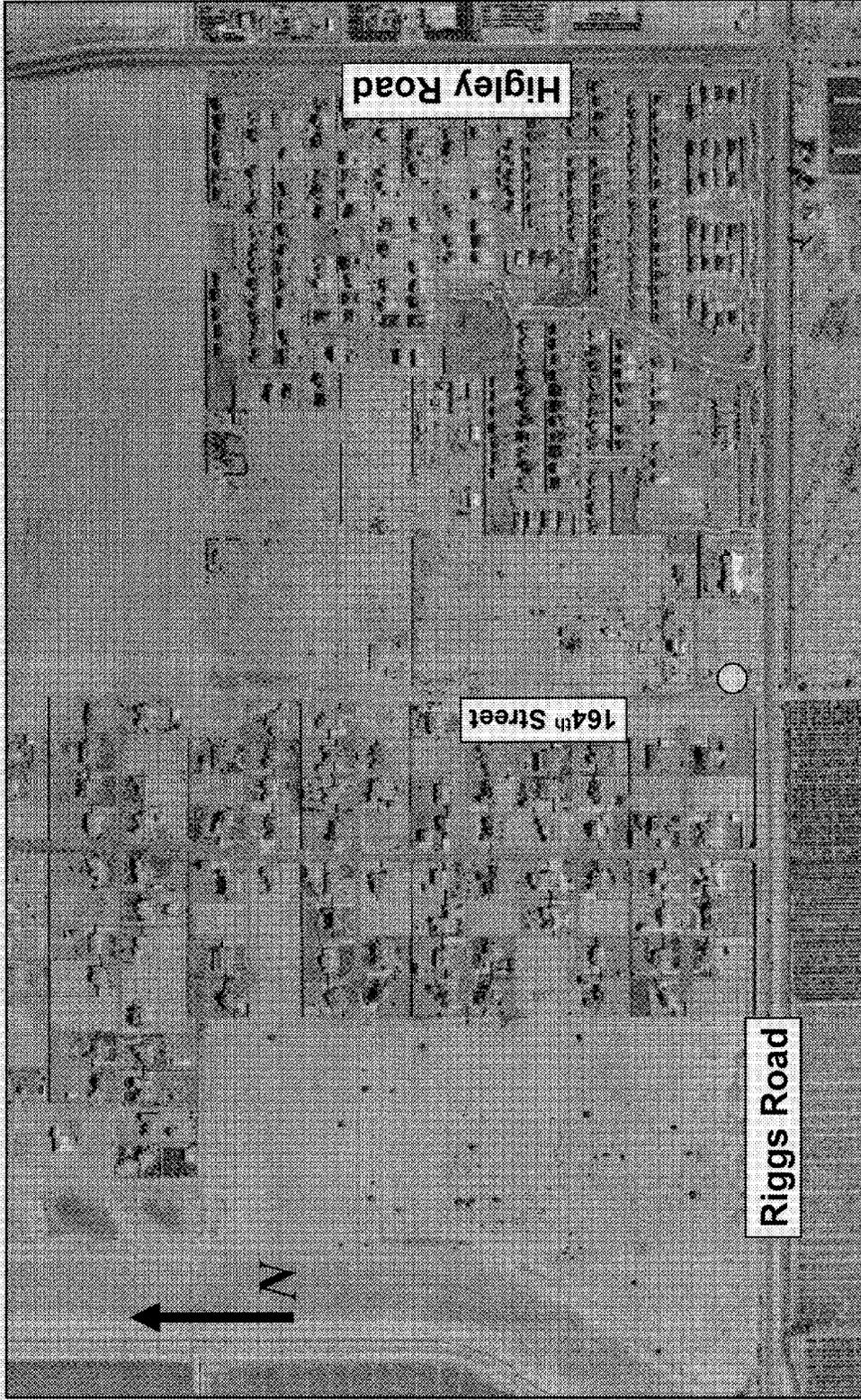
d. Method of well development (bail, air lift, surge, etc.) Swab and airlift, and pump and surge.

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):



EXPLANATION

- Well Site

FIGURE 1
WELL LOCATION MAP
GILBERT 164TH & RIGGS
ROAD WELL
GILBERT, ARIZONA

**Arizona Dept of Water Resources – Patty Curtis
PHOENIX AMA - CHECK DEPOSIT REQUEST**

Date: March 16, 2007

Applicant: Town of Gilbert.

Payment submitted by: Clear Creek Associates PLC

Address on check 6155 E. Indian School Road, Suite 200 Scottsdale, Arizona 85251

Application No. 59-214674.0000 & 55-214675

Code	Type of Fee:	Amount:	Check No.
55	Application for Well Permit (\$150.00)		
55	Well Permit Fee (\$30.00)		
58	Type I Conversion Request Flex Account Transfers (\$100.00)		
59	Application for Permit to Withdraw (\$50.00 or \$150.00)	\$50.00	012417
59	Withdrawal Permit Fee (\$50.00)	\$50.00	012417
59	Conveyance of Groundwater Withdrawal Application and/or Permit (\$35.00)		
Gen Fund	Legal Noticing Fees (Various)		
55	Notice of Intent for Non-Exempt Wells (\$150.00)		
	Other		