

Change of Well Ownership Information

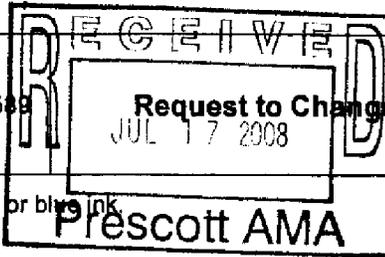
**Change: Prescott Valley Water District, 7501 E. Civic Circle, Prescott Valley AZ 86314
and Prescott Valley Municipal Water System, 7501 E. Civic Circle, Prescott Valley AZ 86314
To: Town of Prescott Valley, 7501 E. Civic Circle, Prescott Valley AZ 86314**

Well # (55)	Well Name	Well Type	Current Owner Name	Change To:
201741	TH-1	Piezometer	PV Water District	Town of Prescott Valley
201742	TH-4,5,6,7	Geotechnical	PV Water District	Town of Prescott Valley
201743	TH-2,3	Geotechnical	PV Water District	Town of Prescott Valley
201744	TH-8	Geotechnical	PV Water District	Town of Prescott Valley
202098	Quailwood 1	Service	PV Water District	Town of Prescott Valley
202382	Half Moon	Hydro-Test	PV Water District	Town of Prescott Valley
202384	Legend Larry	Hydro-Test	PV Water District	Town of Prescott Valley
202386	Long Shot	Service	PV Water District	Town of Prescott Valley
202388	Middle Robin	Service	PV Water District	Town of Prescott Valley
202390	Out & Out	Service	PV Water District	Town of Prescott Valley
202392	Double S	Service	PV Water District	Town of Prescott Valley
205588	Viewpoint Well # 2	Service	PV Municipal Water System	Town of Prescott Valley
209382	Quailwood 3	Service	PV Water District	Town of Prescott Valley
519687	FC Monitor	Monitor	PV Water District	Town of Prescott Valley
523346	Lost Bit	Service	PV Water District	Town of Prescott Valley
535213	Elephant Eye	Service	PV Water District	Town of Prescott Valley
539499	Huggins	Service	PV Water District	Town of Prescott Valley
550395	New Kurtz	Non-Exempt	PV Water District	Town of Prescott Valley
565610		Vadose Zone	PV Water District	Town of Prescott Valley
565611		Piezometer	PV Water District	Town of Prescott Valley
565612		Monitor	PV Water District	Town of Prescott Valley
572698	Fat Chance	Service	PV Water District	Town of Prescott Valley
578737	Medina	Service	PV Water District	Town of Prescott Valley
579719	Mingus West	Service	PV Municipal Water System	Town of Prescott Valley
583143	Fairgrounds	Service	PV Water District	Town of Prescott Valley
590330	Windsong	Service	PV Water District	Town of Prescott Valley
595234	Laredo	Service	PV Water District	Town of Prescott Valley
596028	Manley	Service	PV Water District	Town of Prescott Valley
596302		Monitor	PV Water District	Town of Prescott Valley
612329	PV-1	Non-Exempt	PV Water District	Town of Prescott Valley
612330	PV II	Non-Exempt	PV Water District	Town of Prescott Valley
612331	Lynx Lake Well	Non-Exempt	PV Water District	Town of Prescott Valley
612332	PCC	Non-Exempt	PV Water District	Town of Prescott Valley
613021	Lower Lynx	Non-Exempt	PV Water District	Town of Prescott Valley
613026	Santa Fe	Non-Exempt	PV Water District	Town of Prescott Valley
613028	Howington	Non-Exempt	PV Water District	Town of Prescott Valley
613042	Lake Valley	Non-Exempt	PV Water District	Town of Prescott Valley
617664	Quailwood 2	Service	PV Water District	Town of Prescott Valley

AUG 11 2008



Arizona Department of Water Resources
 Water Management Support Section
 P.O. Box 33589 Phoenix, Arizona 85067-3589
 (602) 771-8500 • (800) 352-8488
 www.azwater.gov



- ❖ Review instructions prior to completing form in black or blue ink
- ❖ You must include with your Notice:
 - check or money order for any required fee(s)
- ❖ Authority for fee: A.A.C. R12-15-151(B)(4)(a), A.R.S. § 45-113(B)
- ** PLEASE PRINT CLEARLY **

FILE NUMBER
WELL REGISTRATION NUMBER 55 - SEE TABLE

SECTION 1: REGISTRY INFORMATION

Well Owner		Location of Well					
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL Town of Prescott Valley		WELL LOCATION ADDRESS (IF ANY)					
MAILING ADDRESS 7501 E. Civic Circle		TOWNSHIP (NS)	RANGE (EW)	SECTION	160 ACRE ¼	40 ACRE ¼	10 ACRE ¼
CITY / STATE / ZIP CODE Prescott Valley, AZ 86314		LATITUDE			LONGITUDE		
CONTACT PERSON NAME AND TITLE John Munderloh, Water Resources Manager		Degrees	Minutes	Seconds	"N	Degrees	Minutes
TELEPHONE NUMBER 928-759-3105	FAX 928-759-3125	METHOD OF LATITUDE/LONGITUDE (CHECK ONE) <input type="checkbox"/> *GPS: Hand-Held					
		<input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> *GPS: Survey-Grade					
		*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE)					
		<input type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify):					
		COUNTY ASSESSOR'S PARCEL ID NUMBER			COUNTY WHERE WELL IS LOCATED		
		BOOK	MAP	PARCEL			

Type of Request (CHECK ONE)

Change of Well Drilling Contractor (Fill out Section 2)
 Change of Well Ownership (Fill out Section 3)
 Change of Well Information (location, use, etc.) (Fill out Section 4)

SECTION 2: REQUEST TO CHANGE WELL DRILLING CONTRACTOR (\$10 Fee Required) **\$10 FEE**

♦ If drilling or abandoning a well, the Department must receive this request and issue authorization to the new drilling firm prior to the commencement of well drilling or abandonment.

Current Well Drilling Contractor		New Well Drilling Contractor	
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL		FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL	
DWR LICENSE NUMBER		DWR LICENSE NUMBER	ROC LICENSE CATEGORY
TELEPHONE NUMBER	FAX	TELEPHONE NUMBER	FAX

SECTION 3: STATEMENT OF CHANGE OF WELL OWNERSHIP (\$10 Fee Required) **\$10 FEE**

♦ If this change pertains to more than one well and the names are the same, only one \$10 fee is required.

Previous Well Owner		New Well Owner	
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL SEE TABLE ATTACHED		FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL Town of Prescott Valley	
MAILING ADDRESS		MAILING ADDRESS 7501 E. Civic Circle	
CITY / STATE / ZIP CODE		CITY / STATE / ZIP CODE Prescott Valley, AZ 86314	
CONTACT PERSON NAME AND TITLE		CONTACT PERSON NAME AND TITLE John Munderloh, Water Resources Manager	
TELEPHONE NUMBER	FAX	TELEPHONE NUMBER	FAX
		928-759-3105	928-759-3125

SECTION 4: CHANGE OF WELL INFORMATION (No Fee Required) **NO FEE**

NOTE: Applies only to wells that have already been drilled. For proposed wells, an amended Notice of Intent to Drill a Well must be filed. EXPLAIN

I HEREBY CERTIFY that the above statements are true to the best of my knowledge and belief

TYPE OR PRINT NAME AND TITLE Larry Tarkowski, Town Manager	SIGNATURE OF WELL OWNER 	DATE 7/10/08
---	-----------------------------	-----------------

ARIZONA DEPARTMENT OF WATER RESOURCES
PRESCOTT ACTIVE MANAGEMENT AREA
2200 East Hillsdale Road, Prescott Arizona 86301-4941
Telephone (928) 778-7202 Fax (928) 776-4507



Transaction Receipt

Date: 7/ 17/ 08
Amount: \$10.00
Payment type: Cash
Applicant: Town of Prescott Valley
Phone #: (928) 759-3105

Check Information if Applicable

Received from:
Check #:
Reference #
Address:
Ph#
Received for: Change of Well Ownership
Comments: 38 Wells Listed
Received By: Jack McCormack

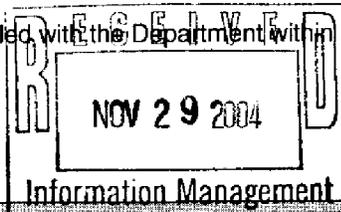
*pk# 928-759-3105
7501 E. Civic Circle
Prescott Valley, AZ.
86314*



Arizona Department of Water Resources
 Records Management Section
 500 N. 3rd Street γ Phoenix, Arizona 85004
 (602) 417-2405 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.



FILE NUMBER B (15-1) 33 DDA
WELL REGISTRATION NUMBER 55 - 202384
PERMIT NUMBER (IF ISSUED)

**** PLEASE PRINT CLEARLY ****

SECTION 1. REGISTRY INFORMATION

Well Owner		Location of Well					
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL Prescott Valley Water District		WELL LOCATION ADDRESS (IF ANY) Legend Harry					
MAILING ADDRESS 7501 Civic Circle		TOWNSHIP (N/S) 15N	RANGE (E/W) 1W	SECTION 33	160 ACRE NE ¼	40 ACRE SE ¼	10 ACRE SE ¼
CITY / STATE / ZIP CODE Prescott Valley, Az. 86314		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"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> GPS: <input type="checkbox"/> Hand-Held <input type="checkbox"/> Survey-Grade					
		COUNTY ASSESSOR'S PARCEL ID NUMBER BOOK		MAP	PARCEL		
		COUNTY WHERE WELL IS LOCATED Yavapai					

SECTION 2. DRILLING AUTHORIZATION

Drilling Firm	
NAME Drill Tech Inc.	
DWR LICENSE NUMBER 239	
TELEPHONE NUMBER 928 - 636-8006	FAX

ENTERED NOV 29 2004

SECTION 3. WELL CONSTRUCTION DETAILS

DATE WELL CONSTRUCTION STARTED 5/20/04	DATE WELL CONSTRUCTION COMPLETED 6/9/04	IF FLOWING WELL, METHOD OF FLOW REGULATION <input type="checkbox"/> Valve <input type="checkbox"/> Other:
Drill Method CHECK ONE <input checked="" type="checkbox"/> Air Rotary <input type="checkbox"/> Bored or Augered <input type="checkbox"/> Cable Tool <input type="checkbox"/> Dual Rotary <input checked="" 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 checked="" type="checkbox"/> Airlift <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 6/09/04		

Well Driller Report and Well Log

WELL REGISTRATION NUMBER

55 - 202384

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

Drill Tech Inc.

SIGNATURE OF QUALIFYING PARTY

DATE

11/24/04

ARIZONA DEPARTMENT OF WATER RESOURCES
PRESCOTT ACTIVE MANAGEMENT AREA
2200 East Hillsdale Road, Prescott Arizona 86301-4941
Telephone (928) 778-7202 Fax (928) 776-4507

Wednesday, April 07, 2004



JANET NAPOLITANO
Governor

HERB GUENTHER
Director

FIELD VERIFICATION REPORT
NEW WELL

Legend Lunny

File Number: B 15 1 33 SE SE NE
Quadrant Tns & Rng Section 160ac 40ac 10ac

Registration Number: 55-202384

Type of Permit & Number: Hydrologic Testing Permit 59-202383

Location of Permit: NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 33, T15N, R1W
10 ac 40 ac 160 ac

Verified Location: NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 33, T15N, R1W
10 ac 40 ac 160 ac

Latitude: N 34° 37' 53.7"

Longitude: W 112° 21' 32.3"

Latitude/Longitude Determined By: GPS

Drill Card in possession of: Owner

Card given to: Kimberley Moon, Prescott Valley Water District, 7501 E, Civic Circle Dr.,
Prescott Valley, AZ 86314

Date and time of inspection: April 1, 2004 @ 1:45 PM

Correct driller on card? YES

Comments: None

Well/s in Radius: NO

Report filed by: (ADWR Employee Name) Jack McCormack

ARIZONA DEPARTMENT OF WATER RESOURCES
PRESCOTT ACTIVE MANAGEMENT AREA
2200 East Hillside Road, Prescott Arizona 86301-4941
Telephone (928) 778-7202 Fax (928) 776-4507



JANET NAPOLITANO
Governor

HERB GUENTHER
Director

April 7, 2004

Prescott Valley Water District
Attn: Kimberly Moon
7501 E. Civic Circle Dr.
Prescott Valley, AZ 86314

Re: Field Verification Report for: 55-202382, 55-202384, 55-202386, 55-202388,
55-202390 and 55-203892

Dear Ms. Moon:

Per A.R.S. § 41-1009, the Arizona Department of Water Resources (Department) is required to provide a copy of the inspection report for each well inspected within 30 days after the inspection.

Enclosed is a copy of the Notification of Inspection and Due Process Rights form that you signed the day of the well site inspections on April 1, 2004. Also enclosed is a copy of the Field Verification Report for the six hydrologic testing wells. This Field Verification Report for the six wells will be sent to the Department's Phoenix office for review. Once the Phoenix office receives and reviews the Field Verification Report, the original drill cards will be mailed to the driller.

If you have any questions or need further assistance, please feel free to contact our office at (928) 778-7202.

Sincerely,

A handwritten signature in cursive script that reads "Jack McCormack".

Jack McCormack
Water Resources Specialist
Prescott Active Management Area

Enclosures

55-202382, 55-202384
55-202386, 55-202388
55-202390, 55-202392

59-202381.0, 59-202383.0
59-202385.0, 59-202387.0
59-202389.0, 59-202391.0

Well Registration No. _____ Application/Right No. _____
Regulated Person: Prescott Valley Water District Address: 7501 E. Civic Circle, Prescott Valley, Arizona 86314
Permit/License No. _____ Phone: _____

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:

Sections 22, 27, 33 + 35 of Township 15 North and Range 1 West
on the following date(s): April 1, 2004

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: Jack McCormack Phone: 928 778 7202

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: ARS 45-599 + 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): Patricia Hill Phone: 602 417 2410

Name (Arizona): Patrick Shanahan Phone: 602 277 7292

(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.

Name (please print): Kimberly J. Moon

Signature: Kimberly J. Moon Title: Utility Engineer

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: Jack McCormack Jack McCormack Date: 4-1-04
(SIGNATURE)

Photo identification presented.
 Copy provided prior to inspection to: Kimberly Moon Time: 1:45 PM

ARIZONA DEPARTMENT OF WATER RESOURCES
GROUNDWATER MANAGEMENT DIVISION
 500 North Third Street - Phoenix, Arizona 85004-3903
 Telephone 602-417-2470
 Fax 602-417-2422

NEW WELL CONSTRUCTION SUPPLEMENT (form DWR 55-90)

Well Registration Number 55- 202384
 (FOR DEPARTMENT USE ONLY)

1. Well Location:

NE ¼ of the SE ¼ of the SE ¼, Sec. 33, Township 15 N Range 1 W.
 10AC 40AC 160AC

2. Position Location of the Well:

Latitude 34 ° 37 ' 52 " Longitude 112 ° 21 ' 33 "

3. County YAVAPAI.

4. Date construction to start: FEBRUARY 2004.

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

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

7. Well construction plan:

a. Drilling method (mud rotary, hollow-stem auger, etc.) AIR HAMMER.

b. Borehole diameters 24 inches from 0 feet to 40 feet.
17.5 inches from 40 feet to 1,200 feet.

c. Casing materials STEEL.

d. Method of well development (bail, air lift, surge, etc.) AIR LIFT & VERICAL TURBINE PUMP.

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

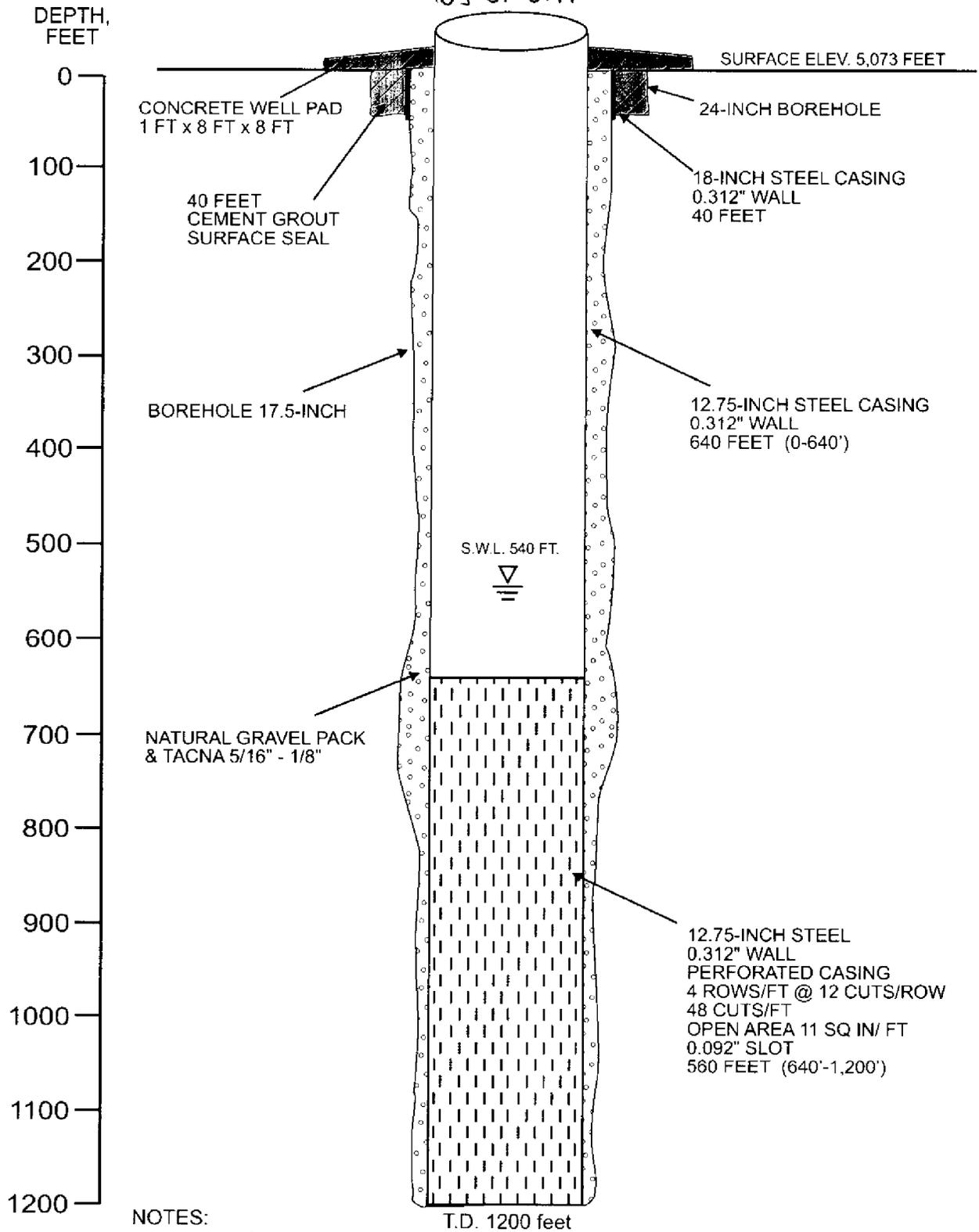
8. Include a detailed construction diagram of the proposed well design. The diagram should verify consistency with minimum construction requirements specified in the Department's well construction rules found in Arizona Administrative Code (A.A.C.) R12-15-801 et. seq. Specifically, the diagram should 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.

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):

WELL WILL NOT BE ABANDONED

Well No. 55-202384

PRESCOTT VALLEY WATER DISTRICT
CONCEPTUAL DRAWING
LEGEND LARRY WELL
(B-15-01)33dda
103-01-011F



NOTES:
1) Not to scale



Prescott Valley Water District

7501 E. Civic Circle
Prescott Valley
Arizona 86314

February 10, 2004

Arizona Department of Water Resources
Prescott Active Management Area (AMA) Office
2200 East Hillsdale Road
Prescott, Arizona 86301 USA

Attn.: Jack McCormick (in Prescott)
(Monica Ortiz in Phoenix was my contact for the Exploratory Drilling Permits)

Re: "Application for Permit to Withdraw Groundwater for Hydrologic Testing Purposes within an Active Management Area (A.R.S. §45-519.01)" (form 51901AP.doc) for:

- NW SW SE Sec 33 T15N R1W "No. 2 Half Moon" ✓
- NE SE SE Sec 33 T15N R1W "No. 3 Legend Larry" ✓
- SW SW SW Sec 27 T15N R1W "No. 4 Long Shot" ✓
- NW NW SW Sec 27 T15N R1W "No. 5 Middle Robin" ✓
- NW NW NW Sec 27 T15N R1W "No. 6 Out & Out" ✓
- NW SW NW Sec 35 T15N R1W "No. 8 Double S" ✓

Dear Mr. McCormick,

Enclosed are six (6) submitted applications to withdraw groundwater for hydrologic testing purposes within an Active Management Area.

(Note that I have not submitted applications for potential wells No. 1 Rusty Nail, No. 7 Little Pete, and No. 9 Half Pint.)

If you have any questions, please do not hesitate to contact Kimberly Moon, Utility Engineer at 759-3083.

Sincerely,

Larry Tarkowski, Public Works Director

Cc: Kimberly J. Moon, P.E., Utility Engineer, Prescott Valley Water District (Phone: 759-3083)
Gary Weesner, Southwest Water and Mineral Resources, L.L.C.
File, E94-wd

Drilling Authorities

Registry ID	License #	Issue Date	Expiration Date
55-202384	239 ...	03/29/2004	06/28/2004

Comments

Driller Licenses

Company: DRILL-TECH, INC. Qualifying Party: GARTH OWENS Active License

Address1: P.O. BOX 3568 Address2:

City: CHINO VALLEY State: AZ Zip Code: 86323-35 Phone: 928-636-8006 ROC Licenses: C-53 & A-4

Comments: GARTH ROBERT OWENS 1997-2003 ACTIVE

ARIZONA DEPARTMENT OF WATER RESOURCES
WATER MANAGEMENT DIVISION
500 North Third Street
Phoenix, Arizona 85004

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

WELL REGISTRATION NO: 55-202384

PERMIT NO.: 59-202383

AUTHORIZED DRILLER: DRILL-TECH, INC.

LICENSE NO: 239

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

WELL OWNER: Prescott Valley Water District

7501 E. Civic Circle

Prescott Valley, AZ 86314

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

NE $\frac{1}{4}$ of the SE $\frac{1}{4}$ of the SE $\frac{1}{4}$ Section 33 Township 15 North Range 1 West

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

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE 28TH DAY OF JUNE, 2004.

M.L.J.

WATER MANAGEMENT DIVISION

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



COPY ARIZONA DEPARTMENT OF WATER RESOURCES
WATER MANAGEMENT DIVISION
500 North Third Street, Phoenix, Arizona 85004
Telephone 602 417-2470
Fax 602 417-2423



March 29, 2004

JANET NAPOLITANO
Governor

Larry Tarkowski
Prescott Valley Water District
7501 E. Civic Circle Drive
Prescott, Arizona 86314

HERB GUENTHER
Director

RE: Permit to Withdraw Groundwater for Hydrologic Testing No. 59-202383.0000

Dear Permittee:

Your permit as referenced above is enclosed for your records. However, drilling of the well may not proceed until a site inspection has been completed and the drill card released to the driller.

The drill card for the proposed well has been delivered to the Prescott Active Management Area (AMA) office. The well owner or representative of the driller 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 proposed well. After the location of the proposed well has been verified, the drill card will be released and drilling may begin. 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.

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 2004, or the expiration date of the permit, whichever comes first. Additionally, within sixty (60) days of the expiration date of the permit, the permittee shall provide the results of the test data to the Arizona Department of Water Resources, to Darlene Sumpter-King, Phoenix Active Management Area office for evaluation.

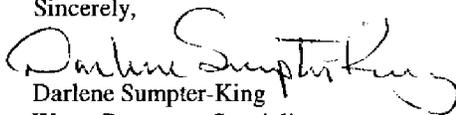
The Department has issued this hydrologic testing permit pursuant to A.R.S. § 45-519.01 of the Groundwater Code. The legal nature of the water withdrawn from your well may be the subject of court action in the future as part of a determination of surface water rights in your area. If there are court proceedings that could affect your well, you will be notified and be given the opportunity to participate.

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 such future use, a Request to Change Well Information form is enclosed.

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 conditions of the permit, please call Jack McCormack of the Prescott AMA office at 928-778-7202.

Sincerely,


Darlene Sumpter-King
Water Resources Specialist

Enclosures

cc: Jack McCormack, Prescott Active Management Area

COPY



ARIZONA DEPARTMENT OF WATER RESOURCES
PERMIT TO WITHDRAW GROUNDWATER FOR
HYDROLOGIC TESTING

PERMIT NO. 59-202383.0000

STATE OF ARIZONA)
) ss.
County of Maricopa)

This is to certify that Application No. 59-202383.0000 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 wells for hydrologic testing, subject to the following limitations and conditions:

Permit Limitations

Permittee:	Prescott Valley Water District 7501 East Civic Circle Drive Prescott Valley, Arizona 86314
Active Management Area:	Prescott
Sub-basin:	Little Chino
Authorized purpose of hydrologic testing:	To withdraw groundwater to test aquifer characteristics and water quality.

COPY

PERMIT NO. 59-202383.0000

Maximum Authorized Withdrawals: 10.00-acre feet.

Disposition of Groundwater: No beneficial use.

Authorized Well Registration Number	File Number	Depth of Well	Casing Diameter	Casing Material
55-202384	B (15-1) 33 DDA	1200 feet	18 inches	Steel

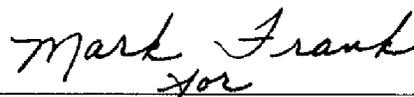
Effective Date of Permit: March 29, 2004

Expiration Date of Permit: June 28, 2004

Permit Conditions

1. Within sixty (60) days of the expiration date of the permit, the permittee shall provide the results of the test data to the Arizona Department of Water Resources for evaluation. Results shall be mailed to Darlene Sumpter-King, Phoenix Active Management Area, Arizona Department of Water Resources, 500 North Third Street, Phoenix, Arizona 85004.
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 wells 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 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.
5. 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, 2004, or the expiration date of this permit, whichever comes first.

WITNESS my hand and seal of office this 29th day of March, 2004.



Jim Holway, Assistant Director

COPY

ARIZONA DEPARTMENT OF WATER RESOURCES
HYDROLOGY DIVISION - WQARF UNIT

MEMORANDUM

DATE: March 22, 2004

TO: Darlene Sumpter-King, Groundwater Management Support
Jack McCormack, Prescott AMA

THROUGH: Teri Davis, WQARF Unit

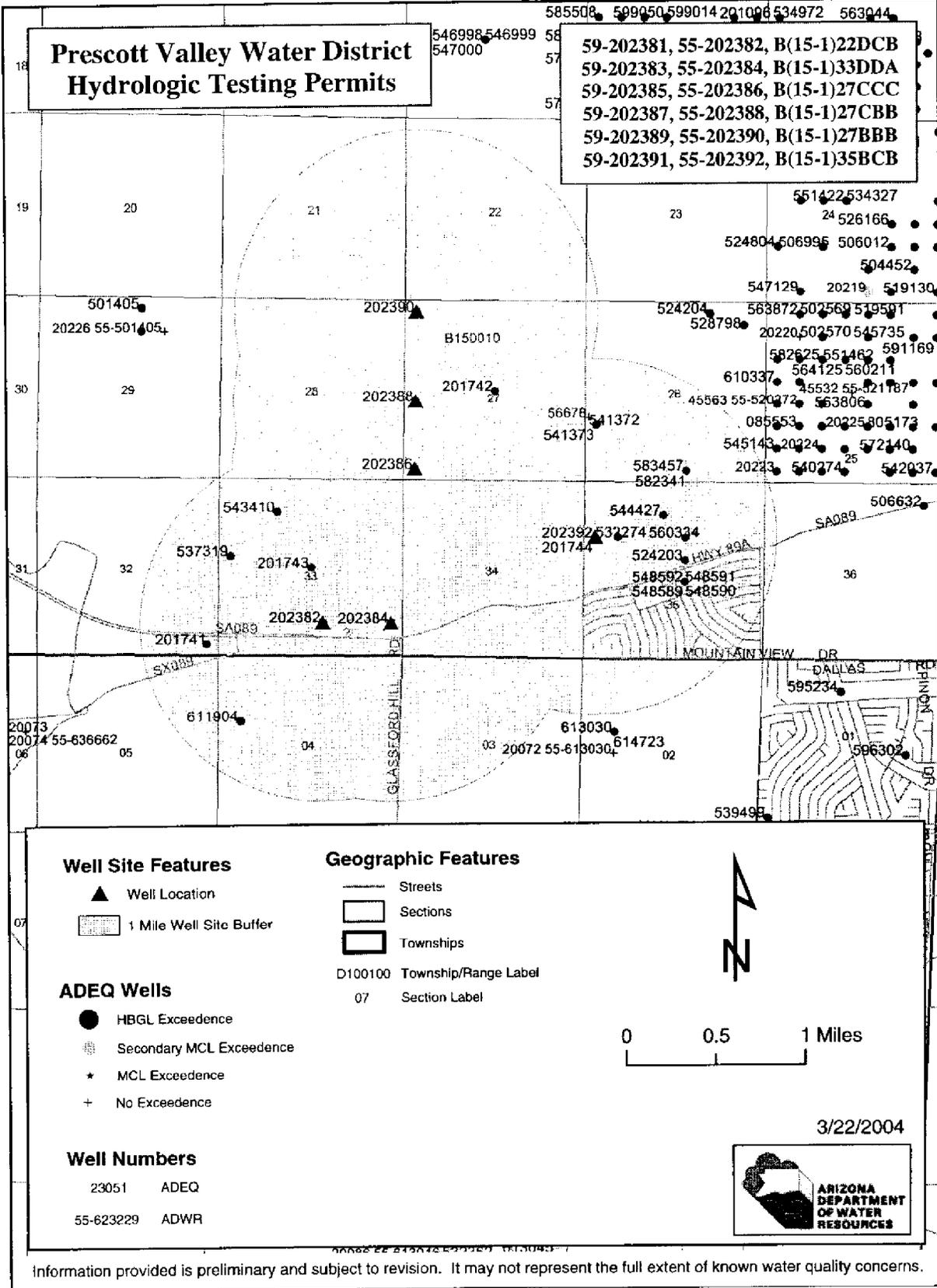
FROM: Andrew Scott, WQARF Unit 

SUBJECT: **Hydrologic Testing Permits - Prescott Valley Water District**

APPLICATIONS: **59-202381, 55-202382, B(15-1)22DCB**
59-202383, 55-202384, B(15-1)33DDA
59-202385, 55-202386, B(15-1)27CCC
59-202387, 55-202388, B(15-1)27CBB
59-202389, 55-202390, B(15-1)27BBB
59-202391, 55-202392, B(15-1)35BCB

1. The area of groundwater withdrawal activities is not located within or in proximity to an area of known significant groundwater contamination. According to Arizona Department of Environmental Quality (ADEQ) Groundwater Database, sample results from wells located within mile of the withdrawal activities indicate parameter concentrations do not exceed Maximum Contaminant Level (MCL) or Secondary Maximum Contaminant Level (MCL2) standards. No samples recorded in the database are more recent than 1997, and these were all taken from one well (ADEQ 56678), so current groundwater conditions are unknown. See attached map and supporting information.
2. Hydrology/WQARF has no objections to issuance of the permits and drill cards.
3. References: Water Quality Information Maps Program (attached), The Groundwater Code (Arizona Revised Statutes, Title 45, Chapter 2), and the rules adopted thereunder.
4. If more information is needed, contact me at (602) 417-2448, ext. 7273. Thank you.

COPY



From: Carol Norton
To: WRDts
Date: 2/19/04 12:26PM
Subject: PVWD Hydro tests

COPY

59-202381 & 55-202382
59-202383 & 55-202384
59-202385 & 55-202386
59-202387 & 55-202388
59-202389 & 55-202390
59-202391 & 55-202392

The Hydrology Division is in receipt of the above referenced Applications to Withdraw Groundwater for Hydrologic Testing. The applicant intends to withdraw 10 acre feet of groundwater from each of six new wells to be drilled. The purpose of the tests is to determine aquifer characteristics. Groundwater withdrawn will be put to beneficial use via stock tanks.

The Hydrology Division supports issuance of this permit with the following Special Condition:

1. Test results shall be submitted to Darlene Sumpter-King, Phoenix Active Management Area, Arizona Department of Water Resources, 500 North Third Street, Phoenix, Arizona 85004, within 60 days upon completion of the test(s).

CC: McCormack, Jack; Modesto, Karen; wrjrm

**ARIZONA DEPARTMENT OF WATER RESOURCES
PRESCOTT ACTIVE MANAGEMENT AREA**

MEMORANDUM

TO: Darlene Sumpter-King

FROM: Jack McCormack

DATE: February 10, 2004

SUBJECT: 6 Applications for Permit to withdraw Groundwater for Hydrologic Testing
Purposes within an Active Management Area for Prescott Valley Water District

Comments: I have reviewed the referenced six applications for hydro testing permits and all six conform to AMA policies and statutory requirements. The Prescott AMA recommends issuance of six permits for hydro testing purposes for Prescott Valley Water District.

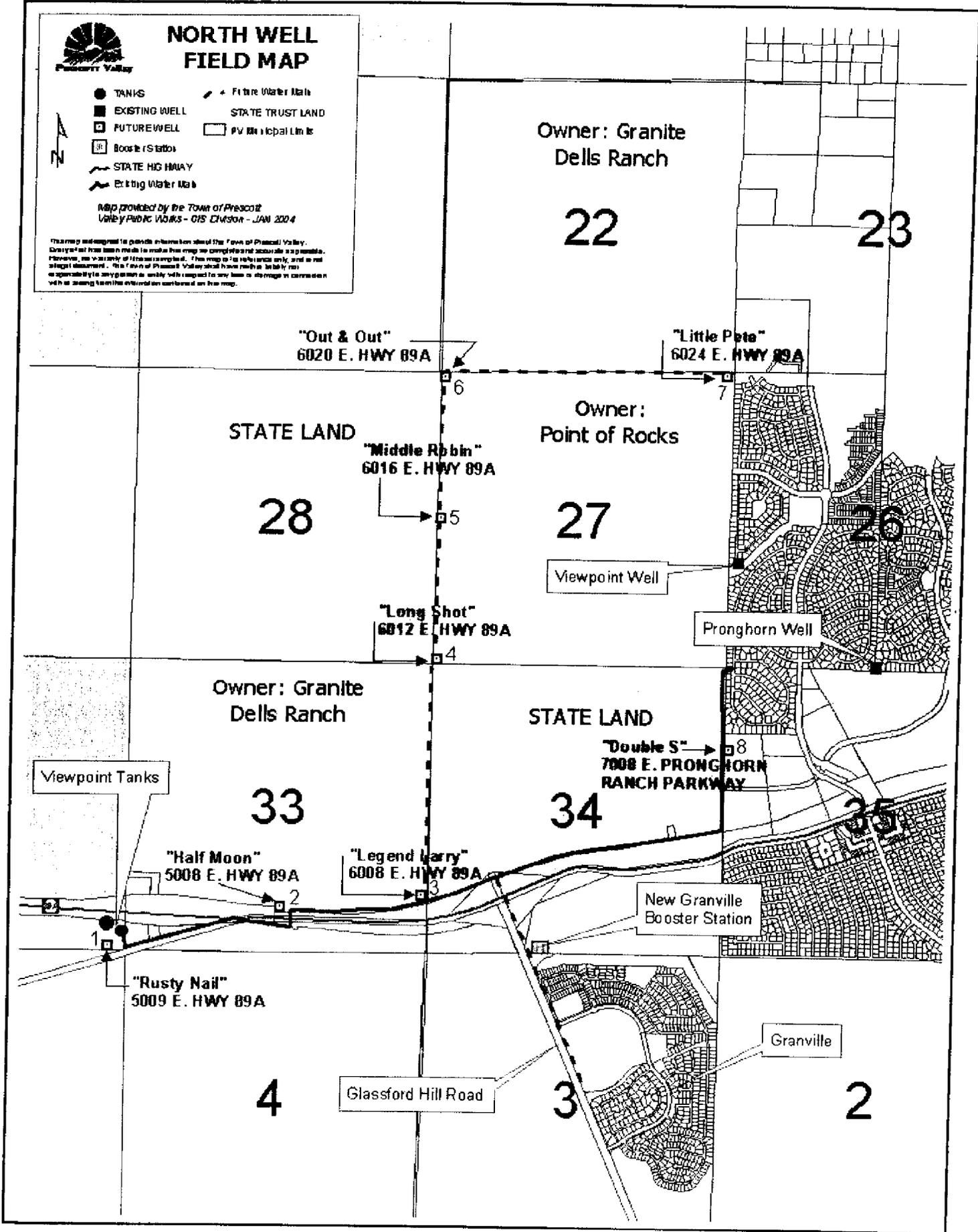


NORTH WELL FIELD MAP

- TANKS
- EXISTING WELL
- FUTUREWELL
- ⊞ Booster Station
- STATE HD HWAY
- ~ Existing Water Main
- ~ Future Water Main
- STATE TRUST LAND
- PV Municipal Limits

Map provided by the Town of Prescott
Valley Public Works - GIS Division - JAN 2004

This map is designed to provide information about the Town of Prescott Valley. Every effort has been made to make this map as complete and accurate as possible. However, no warranty of fitness is made. This map is for reference only, and is not a legal document. The Town of Prescott Valley shall have no liability for any errors or omissions, whether in part or in whole, or for any loss or damage in connection with its use, even if caused by the information contained on this map.



ARIZONA DEPARTMENT OF WATER RESOURCES
WATER MANAGEMENT SUPPORT SECTION
MAIL TO: P.O. BOX 458, PHOENIX, ARIZONA 85001-0458
500 NORTH 3RD STREET - PHOENIX, ARIZONA 85004-3903
 Phone (602) 417-2470 Fax (602) 417-2422

COPY

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

I. INSTRUCTIONS

- COMPLETE ALL APPROPRIATE ITEMS ON THIS APPLICATION AND SIGN IN DESIGNATED PLACE.**
- Mail to: P.O. Box 458, Phoenix, Arizona 85001-0458 or deliver in person to the above address.
- 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.	59-202383
Filed	2-10-2004
AMA	Prescott
S/B	01 w/S 05

II. GENERAL DATA

Please check one:

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

1. NAME OF APPLICANT PRESCOTT VALLEY WATER DISTRICT

Mailing Address 7501 EAST CIVIC CIRCLE

<u>PRESCOTT VALLEY</u>	<u>AZ</u>	<u>86314</u>	<u>928.759.3079</u>
City	State	Zip Code	Telephone Number

2. NAME OF LAND OWNER where groundwater will be withdrawn GRANITE DELLS RANCH, INC.

Mailing address 7604 E. WINDROSE DRIVE

<u>SCOTTSDALE</u>	<u>AZ</u>	<u>85260</u>	<u>N/A</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 LITTLE CHINO VALLEY sub-basin of the PRESCOTT Active Management Area.

5. The specific purpose for the hydrologic testing is: Well development, aquifer testing and pump design

6. Please be specific how the groundwater withdrawn will be put to beneficial use and the groundwater right number for that use if applicable. Water will be recharged to the ground in an area draining to a stock tank.

7. If applicant cannot reasonably put the withdrawn groundwater to a beneficial use or provide it to a rightholder, explain why. Undeveloped area -- water will be stored in stock tank for cattle and antelope if not fully recharged prior to reaching the stock tank.

8. Legal description of land where groundwater will be used: N/A

COPY

9. Name and mailing address of the owner of the land where groundwater will be used: N/A

Mailing Address	City	State	Zip Code	Telephone No.
-----------------	------	-------	----------	---------------

10. Total amount of groundwater for which application is being made: 10 acre feet.

11. Anticipated duration of the hydrologic testing 3 Days Months.

12. Requested duration of the hydrologic testing permit 90 Days Months.

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

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- <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
55- <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

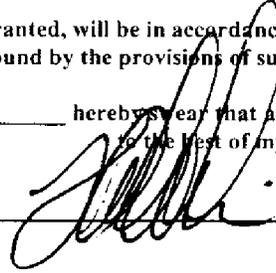
B. WELLS TO BE NEWLY CONSTRUCTED:

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: Public supply
Hydrologic data will be submitted to ADWR for review and permitting for installation of perment pumping plant for suppling municipal water to the Town of Prescott Valley.

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) Larry Tarkowski hereby swear that all information provided in this application is true and correct (print name) to the best of my/our knowledge and belief.

Signature of Applicant  Date 1/27/04

**WELL AND WITHDRAWAL PERMIT
CHECK DEPOSIT REQUEST**

Submitted by: Darlene Sumpter-King

Date: February 11, 2003

Applicant: Prescott Valley Water District

Check submitted by: Prescott Valley Water District

Application No. 59-202383.0000

Code	Type of Fee:	Amount:	Check No.
55	Application for Well Permit		
55	Well Permit Fee		
59	Application for Permit to Withdraw	\$50.00	46029
59	Withdrawal Permit Fee	\$50.00	46029
59	Conveyance of Groundwater Withdrawal Application and/or Permit		
Gen Fund	Legal Noticing Fees		
55	Notice of Intent for Non-Exempt Wells		

PRESCOTT VALLEY WATER DISTRICT

Prescott Valley Water District
7501 East Civic Circle
Prescott Valley, AZ 86314

Bank One - General Checking
Prescott Valley, AZ

02/05/2004

CHECK NO
46029

ONE HUNDRED AND 00/100 DOLLARS *****

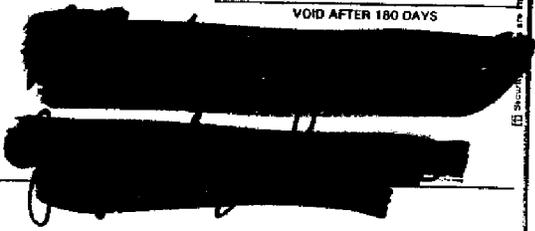
AMOUNT OF CHECK
\$*****100.00
VOID AFTER 180 DAYS

PAY TO THE ORDER OF:

AZ DEPT OF WATER RESOURCES
PO BOX 458
PHOENIX AZ 85001

Chairman

Vice Chairman



**ARIZONA DEPARTMENT OF WATER RESOURCES
PRESCOTT ACTIVE MANAGEMENT AREA OFFICE**

MEMORANDUM

TO: LIHUA LI, FINANCIAL SERVICES
FROM: JACK MCCORMACK, PRESCOTT AMA
DATE: October 17, 2007
RE: Refund for Application for a Permit to Drill or Operate a Service Area Well

On July 20, 2007, the Prescott Valley Water District submitted an Application for a Permit to Drill or Operate a Non-Exempt Well within an Active Management Area Pursuant to A.R.S. § 45-599. This application pertained to well (55-202384). On October 9, 2007 the Department received a letter from the Prescott Valley Water District requesting that this application be withdrawn. The applicant paid \$180 of which \$150 was the application fee and \$30 was the permit fee. The application fee is non-refundable however unless the agency issues a permit, the permit fee is refundable. Therefore, the Prescott Valley Water District is due a refund. Their check received on July 20, 2007 was check number 3740 in the amount of \$410.

Please prepare a refund check from the imprest (revolving) fund in the amount of thirty dollars (\$30.00) made payable to:

**Prescott Valley Water District
7501 E. Civic Circle
Prescott Valley, AZ 86314**

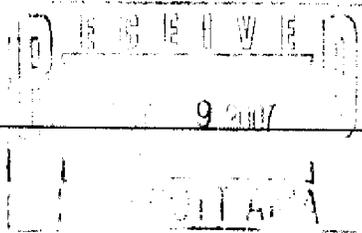
Please mail the check to the attention of John Munderloh.

Please send a copy of the refund check to the Prescott AMA office for our file.

Thank you.

Authorized By:


Prescott Active Management Area Director



Town of Prescott Valley

7501 E. Civic Circle
Prescott Valley
Arizona 86314

October 9, 2007

Jack McCormack
Arizona Department of Water Resources
Prescott Active Management Area
2200 East Hillsdale Road
Prescott AZ 86301-4941

RE: Application for Permit to Drill or Operate a Non-Exempt Wells within an AMA
Well No. 55-202384 (Legend Larry) Application No. S-215982
Well No. 55-541373 (View Point) Application No. S215981

Dear Mr. McCormack

Thank you for the well impact analysis notice dated September 5, 2007 regarding the above mentioned applications. The Town has reevaluated the applications and is asking the Arizona Department of Water Resources (ADWR) for a modification on the applications as follows:

Well No. 55-202384 (Legend Larry) Application No. S-215982: Please withdraw this application for the Legend Larry well (55-202384). The well is not currently equipped and the Town does not plan to equip this well in the near future.

Again, thank you for your consideration.

Sincerely,

John Munderloh
Water Resources Manager

ARIZONA DEPARTMENT OF WATER RESOURCES
PRESCOTT ACTIVE MANAGEMENT AREA
2200 East Hillsdale Road, Prescott Arizona 86301-4941
Telephone (928) 778-7202 Fax (928) 776-4507



September 5, 2007

JANET NAPOLITANO
Governor

HERB GUENTHER
Director

Prescott Valley Water District
Attn: Mark Kieren
7501 E. Civic Circle
Prescott Valley, AZ 86314

RE: Application for Permit to Drill or Operate a Non-Exempt Well within an Active Management Area Pursuant to A.R.S. § 45-599
Well No. 55-202384 (Legand Larry) Application No. S-215982
Well No. 55-541373 (ViewPoint) Application No. S-215981

Dear Mr. Kieren:

The Department of Water Resources (Department) has completed its evaluation of the above reference applications for permits to operate two non-exempt service area wells. A ten-foot drawdown analysis was performed by the Department's Hydrology Division for the subject wells in B-15-01 26 CDC and B-15-1 33 DDA. Due to the proximity of wells 55-541373 and 55-202384, a multiply well impact study was performed and was based on the annual volume of pumpage of 838 and 890 acre-feet. The results of the standard Theis analysis found that the five-year, 10-foot drawdown contour at well 55-541373 would be approximately 234.2 feet. At well 55-202384 the calculated drawdown would be approximately 260.6 feet

Records of the Department indicate that well registration numbers 55-532274, 55-541372, 55-544427, 55-560334 and 55-611904 may fall within the 10-foot drawdown contour and could be impacted by the proposed pumping of the subject wells.

The Department of Water Resources may not grant a well permit that will cause increasing damage to surrounding land and water users.

The following options are available to you for addressing the issue of adverse impact for those wells that fall within the 10-foot drawdown contour:

1. You may reduce the annual volume of pumpage from the proposed well to an amount that does not affect surrounding wells.
2. You may negotiate and obtain waivers from the impacted well owner(s). For your convenience we have enclosed a Well Impact Waiver. (Although withdrawals from these

wells may have discontinued, the owner(s) of all the wells that lie within the drawdown radius would be required to sign waivers if this option were considered).

3. You may submit evidence that proves that the wells of record are not within the radius of impact. This evidence will be subject to field verification by the Prescott AMA.
4. You may withdraw your application.

Please advise within 60 days of the date of this letter what action you intend to take on the applications. Failure to submit the information requested within 60 days may result in the denial of the application. The Department's substantive review time frame is suspended until all of the requested information is provided.

If you have any questions regarding the values used in calculating the area of impact, please contact Alene McCracken, Hydrology Division at 602-771-8535. If you have any other questions or need further assistance, please feel free to contact me at (928) 778-7202

Sincerely,



Jack McCormack
Water Resource Specialist
Prescott Active Management Area

Enclosures

ARIZONA DEPARTMENT OF WATER RESOURCES
Hydrology Division

MEMORANDUM

TO: Jack McCormack, Phoenix AMA

THRU: Drew Swieczkowski, Manager, Water Resources Section *DWS*

FROM: Alene McCracken, Hydrologist, Water Resources Section *Amc*

DATE: August 27, 2007

RE: Town of Prescott Valley/Prescott Valley Water District, Two Applications for a permit to drill or operate non-exempt service area wells in the Prescott AMA.
 Numbers: S-215981 & S-215982;
WELL IMPACT ANALYSES for wells numbered:
 55-541373, B-15-01 26 CBC (S-215981)
 55-202384, B-15-1 33 DDA (S-215982)

Hydrology has completed its evaluation of the above referenced applications for permits to operate two non-exempt service area wells. A ten-foot drawdown analysis was performed by Hydrology for the subject wells in B-15-01 26 CBC and B-15-1 33 DDA. Well 55-541373 was previously evaluated in 1996 for the following permit: T-541373. The permit was issued for only 40 acre feet and had a 10-foot impact radius of 407 feet. No other wells were located in that radius. The transmissivity value used for the analysis was 1197 gpd/ft, calculated from ADWR Modeling Report #9. Well 55-202384 was applied for and drilled as a hydro-test well in 2004. The hydro-test was conducted for only eleven hours, far less than the minimum of 48 hours set forth by Hydrology's Assured Water Supply guidelines. The submitted data only includes two drawdown amounts, a starting value and an ending value. A submitted graph of the data shows more data points. Based on a Cooper-Jacobs plot of the two data points a transmissivity value of 7,479 gpd/ft was calculated, practically identical to the value calculated by the applicant (7,500 gpd/ft). This value is more conservative than the value of approximately 13,000 gpd/ft calculated from the Prescott Model (ADWR, 2002).

Hydrology used the transmissivity value calculated from the pump test data of well 55-202384 to conduct both a standard Theis analysis and THWELLS calculation for the drawdown radius. The specific yield chosen is the value for all layers in the Prescott Model. One image well was used in the THWELLS analysis located approximately 17,700 feet to the southwest. The results are presented below:

Well Location & registration number:	Analysis performed by	Transmissivity Value (gpd/ft)	Specific Yield	Pumping Volume AFA	Ten-Foot Drawdown Radii After Five Years
B-15-01 26 CBC 55-541373 and B-15-1 33 DDA 55-202384	ADWR	7,479	0.06	838 (520 gpm) and 890 (552 gpm)	Irregularly shaped: from ~5740-9000

According to the parameters of the application, the calculated drawdown at well 55-541373 is 234.2 feet for

the five-year time period. At well 55-202384 the calculated drawdown is approximately 260.6 feet.

The location of the proposed well was also reviewed for water quality and subsidence. No additional water quality or subsidence monitoring is required.

Attachments

**Well Spacing Review Sheet
(Impact Analysis)**

Well Reg. No.	55-202384	Well Location:	B (15-1) 33 DDA
Applicant:	Prescott Valley Water District		
Depth of well:	940 feet	Proposed volume:	890 acre-ft/yr
Diameter:	12.75 in.	Q =	552 gpm
Proposed Well:	no	Replacement	NA
Existing:	yes	Replacement no:	

Well Reg. No.	55-541373	Well Location:	B (15-1) 26 CBC
Applicant:	Town of Prescott Valley		
Depth of well:	667 feet	Proposed volume:	838 acre-ft/yr
Diameter:	12.75 in.	Q =	520 gpm
Proposed Well:	no	Replacement	NA
Existing:	yes	Replacement no:	

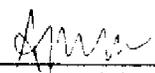
T = **7,479** gpd/ft T Source: **Pump test data from well no. 55-202384**

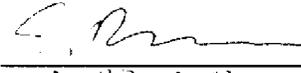
Sy = **0.06** Sy Source: **Prescott Model**

10 foot drawdown radius = **Irregular, see map** **feet (see attached map)**

drawdown at well : **260.6 feet** at 55-202384
 234.2 at 55-541373

WQARF Concerns: **none**
 Subsidence Concerns: **none**

Analyzed by: 
 Date: 5/24/07

Checked by: 
 Date: 8-27-07

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

55-541373 and 55-202384

***** INPUT DATA *****

UNCONFINED AQUIFER - THEIS EQUATION WITH JACOB'S CORRECTION

WATER TABLE CORRECTION APPLIED; DRAWDOWNS EXCEED 10% OF SATURATED THICKNESS

AQUIFER THICKNESS = 400 [ft]
TRANSMISSIVITY = 7479 [gpd/ft]

STORAGE COEFFICIENT = .06

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

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

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

WATER TABLE CORRECTION APPLIED; DRAWDOWNS EXCEED 10% OF SATURATED THICKNESS

AQUIFER THICKNESS = 400 [ft]

***** PUMPING/INJECTION WELL DATA *****

WELL NO. 1 (55-202384)

X-COORDINATE = 0 [ft]
Y-COORDINATE = 0 [ft]
PUMPING/INJECTION RATE = 794880 [gpd]
TIME SINCE START PUMPING/INJECTION = 1825 [day]

WELL NO. 2 (55-541373)

X-COORDINATE = 5875 [ft]
Y-COORDINATE = 5813 [ft]
PUMPING/INJECTION RATE = 748800 [gpd]
TIME SINCE START PUMPING/INJECTION = 1825 [day]

WELL NO. 3 (Image Well)

X-COORDINATE = -9000 [ft]
Y-COORDINATE = -15250 [ft]
PUMPING/INJECTION RATE = 1543680 [gpd]
TIME SINCE START PUMPING/INJECTION = 1825 [day]

***** RESULTS *****

----- Drawdown in [ft] -----

Y [ft]	<- X [ft] ->					
	-7000	-6750	-6500	-6250	-6000	-5750
-600.00	7.592	8.047	8.533	9.051	9.604	10.195
-300.00	7.545	8.007	8.500	9.027	9.590	10.192
0.00	7.486	7.953	8.451	8.984	9.553	10.162
300.00	7.414	7.884	8.385	8.920	9.492	10.104
600.00	7.329	7.799	8.300	8.835	9.407	10.018

Y [ft]	<- X [ft] ->					
	-1000	-750	-500	-250	0	250
-7200.00	9.388	9.278	9.162	9.038	8.908	8.770
-6900.00	9.701	9.613	9.516	9.409	9.293	9.167
-6600.00	10.066	9.999	9.922	9.832	9.730	9.616
-6300.00	10.485	10.441	10.382	10.310	10.222	10.119
-6000.00	10.962	10.941	10.903	10.847	10.773	10.681
-5700.00	11.502	11.505	11.488	11.450	11.390	11.308

-600.00	38.436	42.196	46.255	49.927	51.636	50.257
-300.00	40.625	45.615	52.039	60.088	65.562	60.466
0.00	41.573	47.189	55.217	69.288	260.603	69.718
300.00	40.918	45.946	52.412	60.509	66.030	60.969
600.00	39.017	42.849	46.986	50.741	52.532	51.231
8100.00	9.609	9.999	10.401	10.816	11.245	11.689
8400.00	9.110	9.482	9.865	10.260	10.669	11.091
8700.00	8.626	8.980	9.344	9.719	10.107	10.506
9000.00	8.158	8.493	8.838	9.193	9.559	9.936
9300.00	7.706	8.022	8.347	8.682	9.026	9.380
9600.00	7.268	7.566	7.873	8.187	8.510	8.842

Y [ft]	<- X [ft] ->					
	8000	8250	8500	8750	9000	9250
-600.00	10.582	10.133	9.695	9.266	8.848	8.440
-300.00	11.090	10.623	10.165	9.716	9.278	8.850
0.00	11.620	11.132	10.653	10.184	9.724	9.274
300.00	12.173	11.664	11.163	10.670	10.186	9.713
600.00	12.753	12.220	11.694	11.176	10.667	10.168

Same analysis with origin moved to 55-541373

PUMPING/INJECTION WELL DATA

WELL NO. 1 (55-202384)

X-COORDINATE = -5875 [ft]
 Y-COORDINATE = -5813 [ft]
 PUMPING/INJECTION RATE = 794880 [gpd]
 TIME SINCE START PUMPING/INJECTION = 1825 [day]

WELL NO. 2 (55-541373)

X-COORDINATE = 0 [ft]
 Y-COORDINATE = 0 [ft]
 PUMPING/INJECTION RATE = 748800 [gpd]
 TIME SINCE START PUMPING/INJECTION = 1825 [day]

WELL NO. 3 (Image Well)

X-COORDINATE = -14875 [ft]
 Y-COORDINATE = -21063 [ft]
 PUMPING/INJECTION RATE = 1543680 [gpd]
 TIME SINCE START PUMPING/INJECTION = 1825 [day]

***** RESULTS *****

----- Drawdown in [ft] -----

Y [ft]	<- X [ft] ->					
	-9600	-9300	-9000	-8700	-8400	-8100
-600.00	9.807	10.387	10.981	11.588	12.206	12.831
-300.00	9.347	9.894	10.456	11.030	11.615	12.209
0.00	8.902	9.420	9.951	10.496	11.052	11.617
300.00	8.472	8.963	9.467	9.984	10.513	11.052
600.00	8.059	8.523	9.002	9.493	9.997	10.512

Y [ft]	<- X [ft] ->					
	-600	-300	0	300	600	900
-9600.00	9.847	9.383	8.934	8.500	8.083	7.680
-9300.00	10.402	9.908	9.432	8.973	8.532	8.107
-9000.00	10.974	10.449	9.945	9.461	8.995	8.548
-8700.00	11.560	11.005	10.473	9.963	9.473	9.003
-8400.00	12.158	11.573	11.013	10.478	9.964	9.472
-8100.00	12.766	12.152	11.565	11.005	10.469	9.954
-600.00	44.018	47.882	49.562	47.219	42.709	38.144
-300.00	47.885	55.929	62.079	55.302	46.661	40.222
0.00	49.567	62.081	234.242	61.491	48.431	40.933
300.00	47.227	55.307	61.493	54.773	46.186	39.793
600.00	42.719	46.668	48.435	46.188	41.772	37.293

Y [ft]	<- X [ft] ->					
	-600	-300	0	300	600	900
4500.00	12.605	12.628	12.590	12.491	12.331	12.115
4800.00	11.605	11.622	11.586	11.497	11.357	11.167
5100.00	10.687	10.698	10.665	10.586	10.462	10.295
5400.00	9.842	9.850	9.818	9.747	9.638	9.490
5700.00	9.063	9.068	9.039	8.976	8.878	8.748
6000.00	8.344	8.348	8.321	8.264	8.177	8.062

Y [ft]	<- X [ft] ->					
	4800	5100	5400	5700	6000	6300
-600.00	11.594	10.676	9.831	9.053	8.335	7.672
-300.00	11.611	10.688	9.840	9.059	8.339	7.675
0.00	11.577	10.656	9.810	9.031	8.313	7.651
300.00	11.489	10.577	9.739	8.968	8.257	7.601
600.00	11.349	10.454	9.630	8.871	8.171	7.524

Well Reg. No. 55-202384
 Applicant: Prescott Valley Water District

Well Location B (15-1) 33 DDA

t =	1825 days	Q =	890 acre-ft/yr
s =	25 ft	T =	552 gpm
u =	3.01E-02	Sy =	7479 gpd/ft
			0.06

$$W(u) = 2.9568$$

25 foot drawdown radius = 1913.55 ft = 0.36 mi

t =	1825 days	Q =	890 acre-ft/yr
s =	10 ft	T =	552 gpm
u =	2.10E-01	Sy =	7479 gpd/ft
			0.06

$$W(u) = 1.1827$$

10 foot drawdown radius = 5054.36 ft = 0.96 mi

t =	1825 days	Q =	890 acre-ft/yr
s =	1 ft	T =	552 gpm
u =	1.39E+00	Sy =	7479 gpd/ft
			0.06

$$W(u) = 0.1183$$

1 foot drawdown radius = 13003.62 ft = 2.46 mi

r =	1 ft		
u =	8.2203E-09	drawdown at well	
W(u) =	18.038	s =	152.51 ft

Equations:

$$s = \frac{114.6 Q}{T} W(u) \quad W(u) = \frac{sT}{114.6Q}$$

$$u = \frac{1.87 r^2 Sy}{Tt} \quad r = \sqrt{\frac{Tut}{1.87 Sy}}$$

where:

s = drawdown, ft
 r = radius from well, ft
 t = time, days
 Q = well discharge, gpm
 T = transmissivity, gpd/ft
 Sy = specific yield or storage coeff., %
 u, W(u) = argument, well function

552 gpm
 794880 gpd

Well Reg. No. 55-541373
 Applicant: Town of Prescott Valley

Well Location B (15-1) 26 CBC

t =	1825 days	Q =	520 gpm
s =	25 ft	T =	7479 gpd/ft
u =	2.48E-02	Sy =	0.06

$$W(u) = 3.1402$$

25 foot drawdown radius = 1736.93 ft = 0.33 mi

t =	1825 days	Q =	520 gpm
s =	10 ft	T =	7479 gpd/ft
u =	1.93E-01	Sy =	0.06

$$W(u) = 1.2561$$

10 foot drawdown radius = 4845.46 ft = 0.92 mi

t =	1825 days	Q =	520 gpm
s =	1 ft	T =	7479 gpd/ft
u =	1.44E+00	Sy =	0.06

$$W(u) = 0.1256$$

1 foot drawdown radius = 13235.43 ft = 2.51 mi

r =	1 ft		
u =	8.2203E-09	drawdown at well	
W(u) =	18.04	s =	143.62 ft

Equations:

$$s = \frac{114.6 Q}{T} W(u) \quad W(u) = \frac{sT}{114.6Q}$$

$$u = \frac{1.87 r^2 Sy}{Tt} \quad r = \sqrt{\frac{Tut}{1.87 Sy}}$$

where:

s = drawdown, ft
 r = radius from well, ft
 t = time, days
 Q = well discharge, gpm
 T = transmissivity, gpd/ft
 Sy = specific yield or storage coeff., %
 u, W(u) = argument, well function

520 gpm
 748800 gpd

**ARIZONA DEPARTMENT OF WATER RESOURCES
HYDROLOGY DIVISION – WATER QUALITY UNIT**

MEMORANDUM

TO: Darlene Sumpter-King
Jack McCormack, Prescott AMA
FROM: Dianna Williams
Water Quality Unit
DATE: August 14, 2007
SUBJECT: Application for Permit to Drill or Operate a Non-Exempt Well Within an Active Management Area
Application S-215982 Well 55-202384
Prescott Valley Water District

Hydrology has reviewed the above referenced application for a permit to drill or operate a non-exempt well within an active management area for water quality concerns and well construction for conformance to Arizona well construction standards.

Water Quality

1. The subject 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. The ADEQ Groundwater Quality Database does not include any water quality records within one mile of the subject well. No other water quality data are readily available.

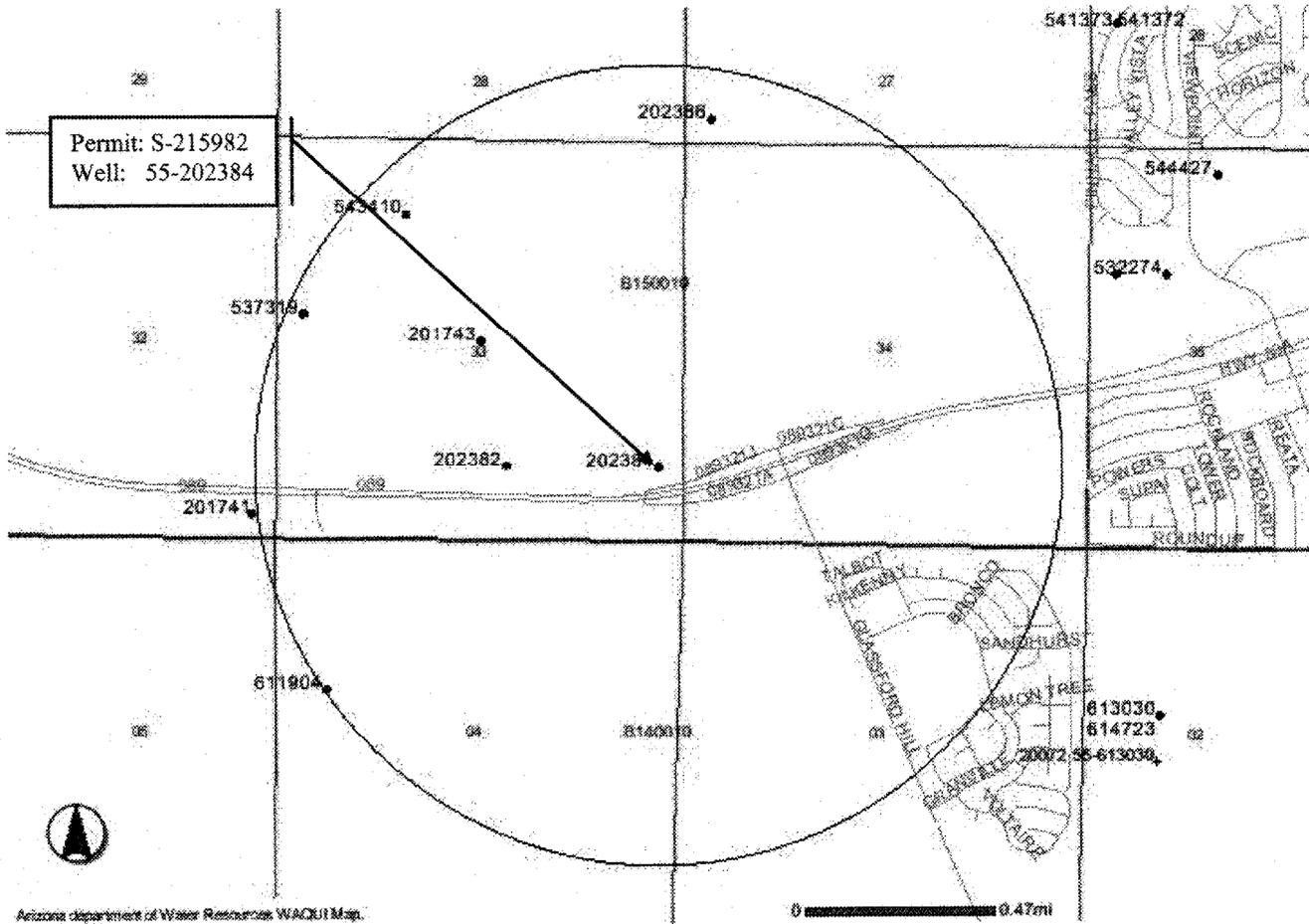
Well Construction Standards

3. The subject well was drilled to 1200 feet below the land surface and screened from 650 to 1200 feet. The well was completed in the upper alluvial unit. The well meets 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 1-8555.

C: Alene McCracken, Hydrology
Enclosure Water Quality map
Water Quality Table *dlw*

**S-215982 – 55-202384 PRESCOTT VALLEY WATER DISTRICT
 PERMIT TO DRILL OR OPERATE A NON EXEMPT WELL
 WITHIN PRESCOTT AMA,
 B (15-1) 33 DDA**



Arizona Department of Water Resources WACRIT Map

Working Together



**Arizona
 Department
 of Environmental
 Quality**



**Arizona
 Department
 of Water
 Resources**

Map generated on 7/26/2007

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
 - ▨ VFP Site Buffer
 - Registry

From: Joseph Snyder
To: Alene McCracken; David Christiana; Jack McCormack; Seandale Poe
Date: 7/24/07 12:27PM
Subject: Prescott Valley Water District S-215982 55-202384

Prescott Valley Water District
S-215983 55-202384
Conversion of Existing Well to Service Area Well
B915-1)33DDA
34 37 53.7N 112 21 32.3
Service Area Right No: 56-003012.0000

J.R. Snyder Jr.
Water Resources Specialist
jrsnyder@azwater.gov
602-771-8606
Arizona Department of Water Resources
3550 N. Central Ave.
Phoenix, AZ 85012-2105

Mail Envelope Properties (46A65291.EC1 : 20 : 1666)

Subject: Prescott Valley Water District S-215982 55-202384
Creation Date: 7/24/07 12:27PM
From: Joseph Snyder
Created By: wrjzs@azwater.gov

Recipients	Action	Date & Time
azwater.gov PHOENIX.ADWR WRAMM (Alene McCracken) WRDGC (David Christiana) WRSAP (Seandale Poe)	Delivered	07/24/07 12:27PM

azwater.gov
 PRESCOTT.ADWR
 WRJXM (Jack McCormack)

Post Office	Delivered	Route
PHOENIX.ADWR	07/24/07 12:27PM	azwater.gov
PRESCOTT.ADWR	Pending	azwater.gov

Files	Size	Date & Time
MESSAGE	1188	07/24/07 12:27PM
TEXT.htm	982	
PrescottValleyWaterDistrict (S-215982_55-202384) Appl.pdf		1251560
	07/24/07 12:07PM	

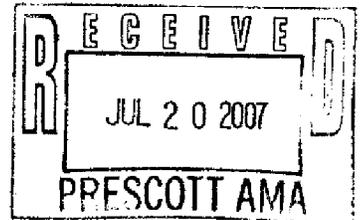
Options

Auto Delete: No
Expiration Date: None
Notify Recipients: Yes
Priority: Standard
Reply Requested: No
Return Notification: None

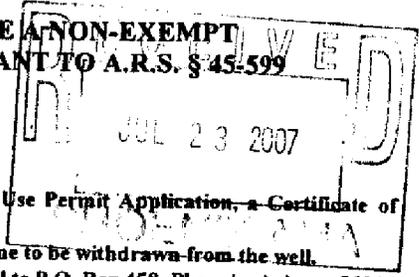
Concealed Subject: No
Security: Standard

To Be Delivered: Immediate
Status Tracking: All Information

STATE OF ARIZONA
 DEPARTMENT OF WATER RESOURCES
 WATER MANAGEMENT SUPPORT SECTION
 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



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



I. INSTRUCTIONS:

- This application should be used to obtain a permit to:
 - Drill a non-exempt well in conjunction with a new or existing General Industrial Use Permit Application, a Certificate of Grandfathered Right, a Service Area Right, or an Irrigation District Right.
 - Convert an existing well to a non-exempt well, or increase the annual permitted volume to be withdrawn from the well.
- Complete all appropriate items on this application, sign in the appropriate place and mail to P.O. Box 458, Phoenix, Arizona 85001-0458 or hand deliver to 3550 North Central Avenue, Phoenix, Arizona 85012
- Pursuant to A.R.S. § 45-599, the application fee is \$150.00. Pursuant to A.A.C. R12-15-151(B)(4), the permit fee is \$30.00. You may submit both fees at the time of filing the application.

II. GENERAL DATA:

FOR DEPARTMENT USE ONLY

1. Applicant PRESOTT VALLEY WATER DISTRICT
 Mailing Address 7501 E CIVIC CIRCLE
PRESOTT VALLEY AZ 86314
 City State Zip Code
 Contact Person MARK KIEREN
 Telephone Number (928) 759 3085

Application No. S-215982 Registration
 No. 55-202384
 File No. B(15-1)33 DDA
 Date Received 07-23-07
 AMA PRESOTT
 W/S 06 S/B 1

2. Name of Land Owner PRESOTT VALLEY WATER DISTRICT
 Mailing Address 7501 E CIVIC CIRCLE
PRESOTT VALLEY AZ 86314
 City State Zip Telephone Number (928) 759 3085

3. Applicant is: Owner Lessee
 4. Proposed well is: New well Conversion (enlargement) of existing well Replacement well in a new location.
 5. Claim of entitlement to withdraw groundwater is based upon:
 Certificate of Grandfathered Right No: _____
 General Industrial Use Permit No. 59- _____
 Service Area Right No: 56-003012.0000
 Irrigation District Right No: _____

6. The principal use(s) of groundwater will be (be specific) MUNICIPAL

7. Well location: NE ¼ SE ¼ SE ¼ Section 33 Township 15 N/S Range 1 E/W
 10 Acre 40 Acre 160 Acre

8. Position location of the well: Latitude N 39 ° 37 ' 53.7 " N Longitude W 112 ° 21 ' 32.3 " W

9. Design Pump Capacity 550 gpm Depth 1200 feet
 Diameter 17.5 inches Type of casing STEEL

10. Proposed annual volume of water 890 acre feet

11. Well is located in the LITTLE CHINO subbasin of the PRESOTT Active Management Area.

12. If the well is located in the Santa Cruz AMA, please attach documentation and explanation showing that the location of the proposed well will not result in local water tables experiencing a long-term decline.

13. Approximate date construction will begin: MONTH 05 YEAR 04

Estimated time to complete new well COMPLETED (If longer than 1 year, attach explanation.)

14. Legal description of the land where the groundwater will be used:

1/4 1/4 1/4 Section 14 Township N Range 1 E/W YAVAPAI
10 Acre 40 Acre 160 Acre

15. Is the proposed well site within 100 feet of a septic tank system, sewage disposal area, landfill, hazardous waste facility or storage area of hazardous materials? Yes No (if yes, a request for a variance must accompany this application pursuant to R12-15-820.)

16. Driller's Name DRILL TECH INC DWR License No: 239 ROC License Category _____

Mailing Address: PO BOX 3568 CHINO VALLEY AZ 86323 928 636 8006
Street City State Zip Telephone Number

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

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

18. Is the proposed well located in your service area? Yes No

19. Will groundwater withdrawn be used in your service area? Yes No (If answer is no, attach explanation.)

IV. FOR REPLACEMENT WELL IN NEW LOCATION ONLY:

20. Registration number of original well 55- _____

21. Location of the original well: 1/4 1/4 1/4 Section _____ Township _____ N/S Range _____ E/W
10 Acre 40 Acre 160 Acre

22. Distance between original well and proposed replacement well _____ feet.

23. When determining impacts under the Department's well spacing rules, the director will take into account the collective efforts of reducing or terminating withdrawals from the well being replaced combined with the proposed withdrawals from the replacement well if the applicant submits a hydrological study demonstrating those collective effects to the satisfaction of the director.

Will a hydrological study be submitted? Yes No

24. Will the original well be abandoned if applicant receives a permit to drill a replacement well? Yes No.

(If yes, please submit a completed Notice of Intent to Abandon a Well along with this application.)

If no, explain the planned use of the original well _____

V. FOR CONVERSION (ENLARGEMENT) OF EXISTING WELL ONLY:

25. Registration number of the existing well 55- 202384 Present pump design capacity 550 gallons per minute.
Present permitted volume 890 acre-feet per year.

26. The new design pump capacity will be SAME gallons per minute. New permitted volume will be SAME acre-feet per year.

27. The existing well has previously been used in conjunction with or for the following: HYDRO TEST

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

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

Signature of Applicant [Signature] Date 7/18/07

ARIZONA DEPARTMENT OF WATER RESOURCES
GROUNDWATER MANAGEMENT DIVISION
 500 North Third Street - Phoenix, Arizona 85004-3903
 Telephone 602-417-2470
 Fax 602-417-2422

NEW WELL CONSTRUCTION SUPPLEMENT (form DWR 55-90)

Well Registration Number 55- 202384
 (FOR DEPARTMENT USE ONLY)

1. Well Location:

NE 1/4 of the SE 1/4 of the SE 1/4, Sec. 33, Township 15 N Range 1 W.
 10AC 40AC 160AC

2. Position Location of the Well:

Latitude 34 ° 37 ' 52 " Longitude 112 ° 21 ' 33 "

3. County YAVAPAI

4. Date construction to start: FEBRUARY 2004

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

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

7. Well construction plan:

a. Drilling method (mud rotary, hollow-stem auger, etc.) AIR HAMMER

b. Borehole diameters 24 inches from 0 feet to 40 feet.
17.5 inches from 40 feet to 1,200 feet.

c. Casing materials STEEL

d. Method of well development (bail, air lift, surge, etc.) AIR LIFT & VERICAL TURBINE PUMP

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.

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):

WELL WILL NOT BE ABANDONED

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. Will the proposed well be a replacement well in the same location (A.R.S. §§ 45-596 and 45-597, A.A.C. R12-15-840)? A replacement well is one located no more than 660 feet from the original well that it is replacing, and which is not expected to withdraw on an annual basis more groundwater than historical annual withdrawals from the original well. Yes No

If yes then indicate the following:

(a) Record the registration number for the well that will be replaced: 55-_____

(b) Will the original well to be replaced be Capped, Abandoned Other.

If Other, please explain: _____

13. Name of Consulting firm, if any : SOUTHWEST WATER AND MINERAL RESOURCES, LLC

P.O. BOX 50245 PHOENIX AZ 85076
Address City State Zip

Contact Person: GARY WEESNER Telephone Number 480.893.2523

14. Drilling firm: DRILLTECH

DWR License Number: 239 ROC License Category: C-53 & A-4

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

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

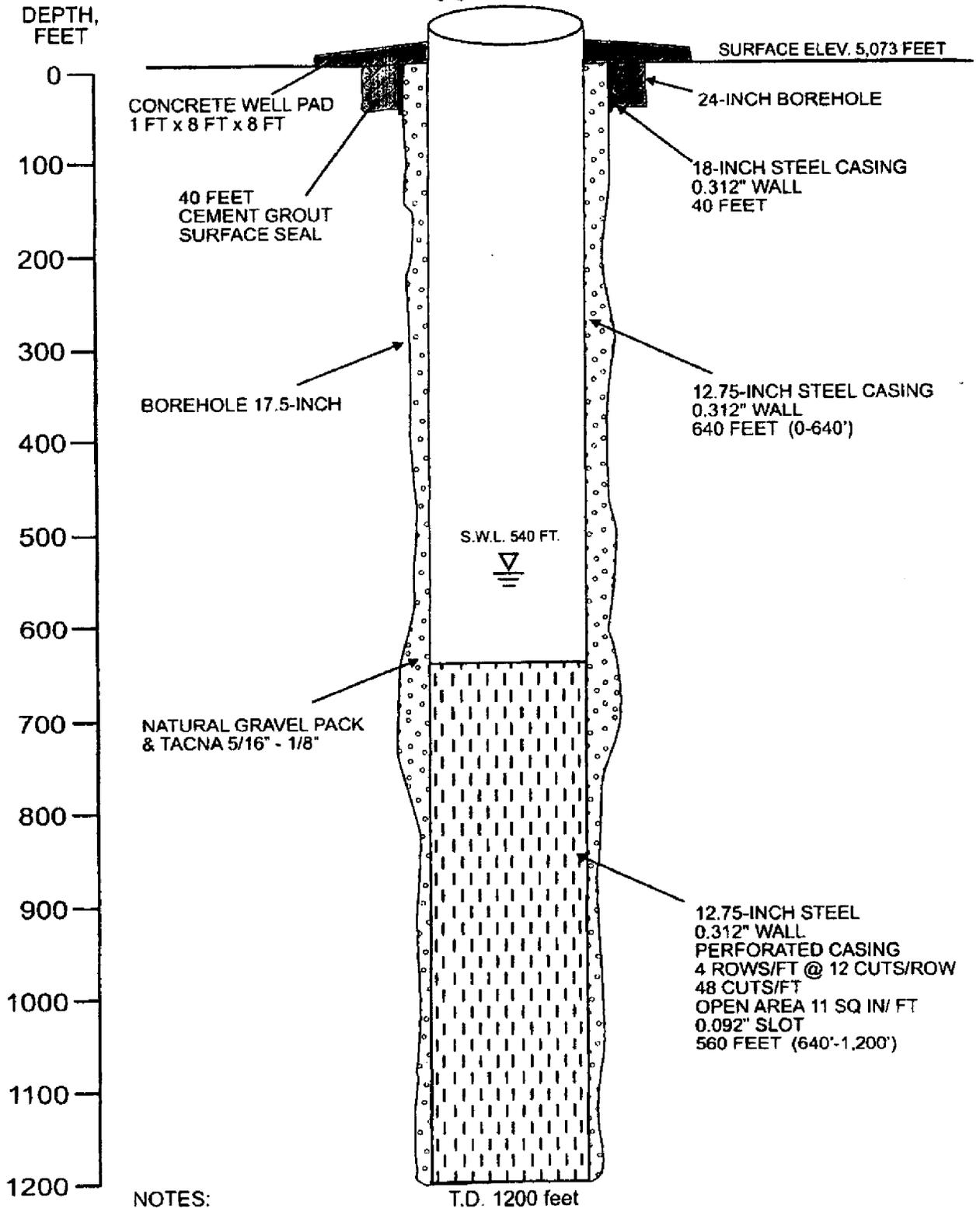
Signature of Applicant



1/27/04
Date

Well No. 55-202384

PRESCOTT VALLEY WATER DISTRICT
CONCEPTUAL DRAWING
LEGEND LARRY WELL
(B-15-01)33dda
103-01-011F



NOTES:
1) Not to scale

ARIZONA DEPARTMENT OF WATER RESOURCES
PRESCOTT ACTIVE MANAGEMENT AREA
2200 East Hillsdale Road, Prescott Arizona 86301-4941
Telephone (928) 778-7202 Fax (928) 776-4507



Transaction Receipt

Date: 07/ 20/ 07

Amount: \$410..00

Payment type: Check

Received from JOHN MUNDERLOUH

Applicant: PRESCOTT VALLEY

Phone#: (928) 759 - 3105

Check Information if Applicable

Check #: 3740

Reference # 91-2

Name: JOHN MUNDERLOUH

Address: 2195 TONTO RIDGE, PRESCOTT, 86305

Ph# (928) -

Received for: MISC. (SEE COMMENTS)

Comments: 2 SERVICE AREA WELL APPS AND 5 CHANGE OF WELL
INFO

Received By: Amy Levy

TABLE 1. WELLTEST HOLE CONSTRUCTION SUMMARY

Well Name/ADWR Registration Number/Legal Location, Latitude/Longitude	Date Completed	Total Depth of Well, feet		Screened Intervals, ft bis	Surface elevation, feet above mean sea level (ft msl)	Depth to water, ft bis	Groundwater level elevation, ft msl	Date measured	Notes
		below land surface (ft bis)	Intervals, ft bis						
<u>Legend Larry 55-202384</u> (B-15-01)33dda N 34° 37' 53.9" W 112° 21' 35.0"	01/30/04	940	617 - 789 Open Hole 789 - 940	5,065	492.7	4,572	06/15/04	TH-3 located 5 feet south	
<u>Long Shot 55-202386</u> (B-15-01)27ccc N 34° 38' 37.5" W 112° 21' 33.4"	05/28/04	920	584 - 756 Open Hole 756 - 920	5,019	475.9	4,543	06/04/04	TH-4 located 29 feet south	
<u>Middle Robin 55-202388</u> (B-15-01)27cbb N 34° 39' 02.2" W 112° 21' 33.6"	06/10/04	930	521 - 691 Open Hole 691 - 930	4,996	461.0	4,535	06/28/04		
<u>Out & Out 55-202390</u> (B-15-01)27bbb N 34° 39' 28.4" W 112° 21' 33.6"	07/02/04	807	628 - 693 Open Hole 693 - 807	4,967	431.6	4,535	07/07/04	TH-6 located 30 feet south	
<u>Double S 55-202392</u> (B-15-01)35bbb N 34° 38' 21.4" W 112° 20' 30.9"	05/13/04	1,200	535 - 619 708 - 880 Open hole 880 - 1,200	4,999	430.1	4,569	05/19/04		

TABLE 2. CONSTANT RATE AQUIFER TEST SUMMARY

Well Identifier	Date(s) Conducted	Average Discharge Rate, gpm	Maximum Drawdown, End of Pumping Phase, ft	Specific Capacity, gpm/ft drawdown	Drawdown Test Transmissivity, gpd/ft	Recovery Transmissivity, gpd/ft	Recovery Late Transmissivity, gpd/ft	Saturated Thickness based on pre-test static water level, feet	Estimated Hydraulic Conductivity, ft/day
Double S	5/22/04 - 5/23/04	522	98.4	5	17,800	11,500	19,100	770	2 - 3
Legend Larry	6/15/04 - 5/17/04	535	119.5	4	7,500	11,500	--	447	2 - 3
Long Shot		900	29.3	31	95,000	80,000	--	445	24 - 29
Long Shot - Observation Well (TH-4) located 29 feet from Pumping well	6/5/04 - 6/6/04	NA	10.1	--	297,000	--	--	779	51
Middle Robin	06/28/04 - 06/29/04	960	1.2	800	3,200,000	--	--	469	912
Out & Out	07/08/04	963	13.2	73	880,000	1,270,000	--	375	307 - 453

Abbreviations/Footnotes:

gpm = gallons per minute

gpd/ft gallons per minute per foot aquifer thickness

-- Not calculated

NA Not applicable

TABLE 4. COMPARISON OF DRILLING FINDINGS TO CURRENT ADWR MODEL ASSUMPTIONS

Well Identifier	Out & Out	Double S	Middle Robin	Long Shot	Legend Larry
Legal Location	B(15-01) 27bbb	B(15-01) 35bbb	B(15-01) 27cbb	B(15-01) 27ccc	B(15-01) 33dda
Land Surface Elevation, feet above mean sea level (ft. msl)	4,967	4,999	4,996	5,019	5,065
Depth to Water, feet below land surface (ft. bls)	431.6	430.1	461.0	475.9	492.7
Total Depth of Borehole, ft. bls	807	1,200	930	1,258	940

ALLUVIUM

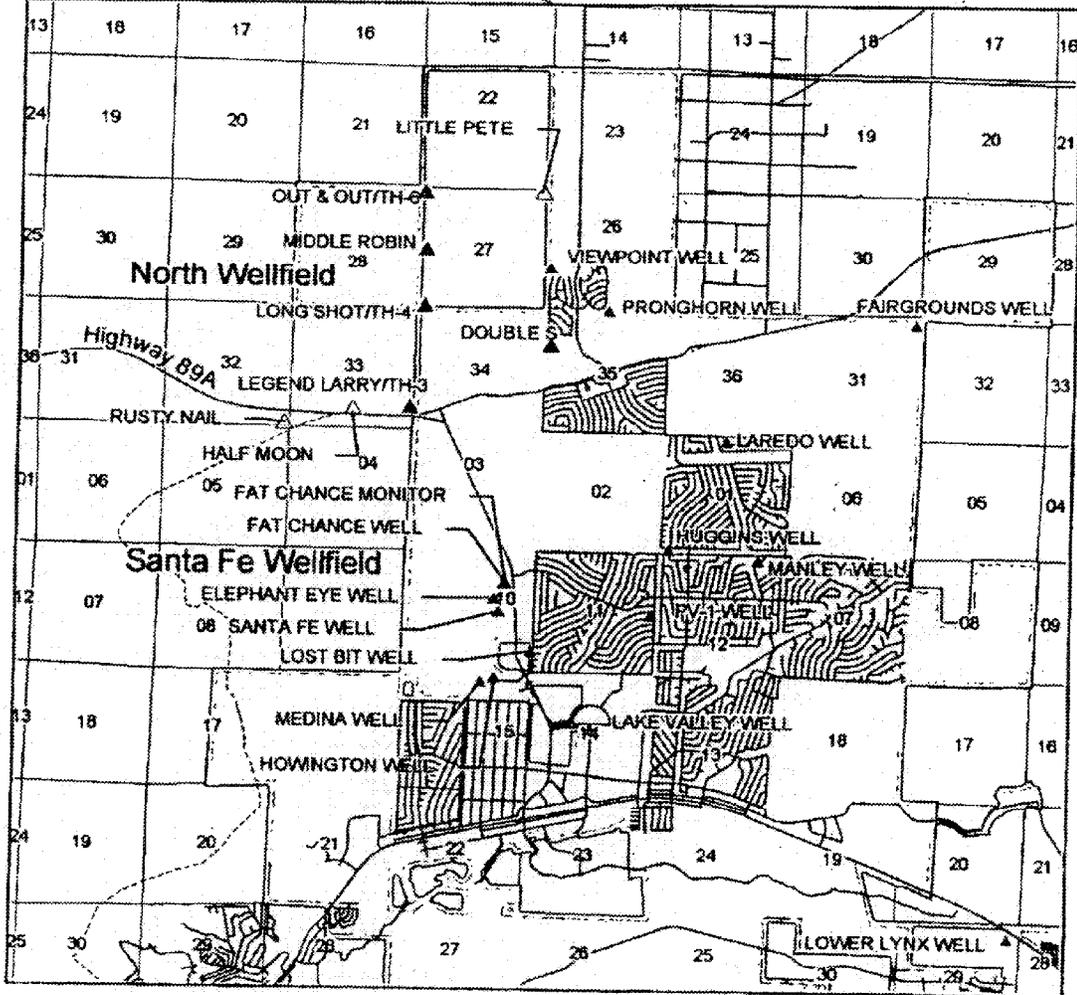
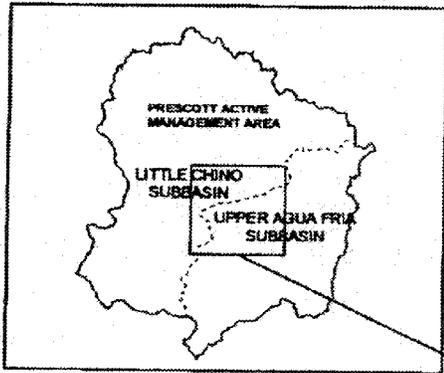
Depth to Bottom, ft bls	666	945	660	680	>940
Elevation Bottom, ft msl	4,301	4,054	4,336	4,339	<4,125
Current Saturated Thickness, feet (ft)	234	515	199	204	>447

VOLCANICS

Depth to Bottom, feet (ft)	>807	>1,200	>930	>1,258	Unit Not Encountered
Elevation Bottom, ft msl	<4,160	<3,799	<4,065	<3,761	
Current Saturated Thickness, ft	>141	>255	>270	>578	

ADWR MODEL

Cell Number	1036	1170	1125	1169	1256
Land Surface Elevation for Cell, ft msl	4,950	5,000	5,000	5,025	5,065
Elevation Bottom UAU, ft msl	4,300	4,100	4,200	3,955	4,200
Elevation Bottom LVU, ft msl	4,100	3,900	4,000	3,775	4,000



Explanation

- Town of Prescott Valley Limits
- Roads
- Subbasin Boundary (ADWR, 2003)
- Municipal Wells
- District Wells
- North Wellfield Wells and Test Holes
- Planned North Wellfield wells, not drilled

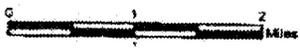
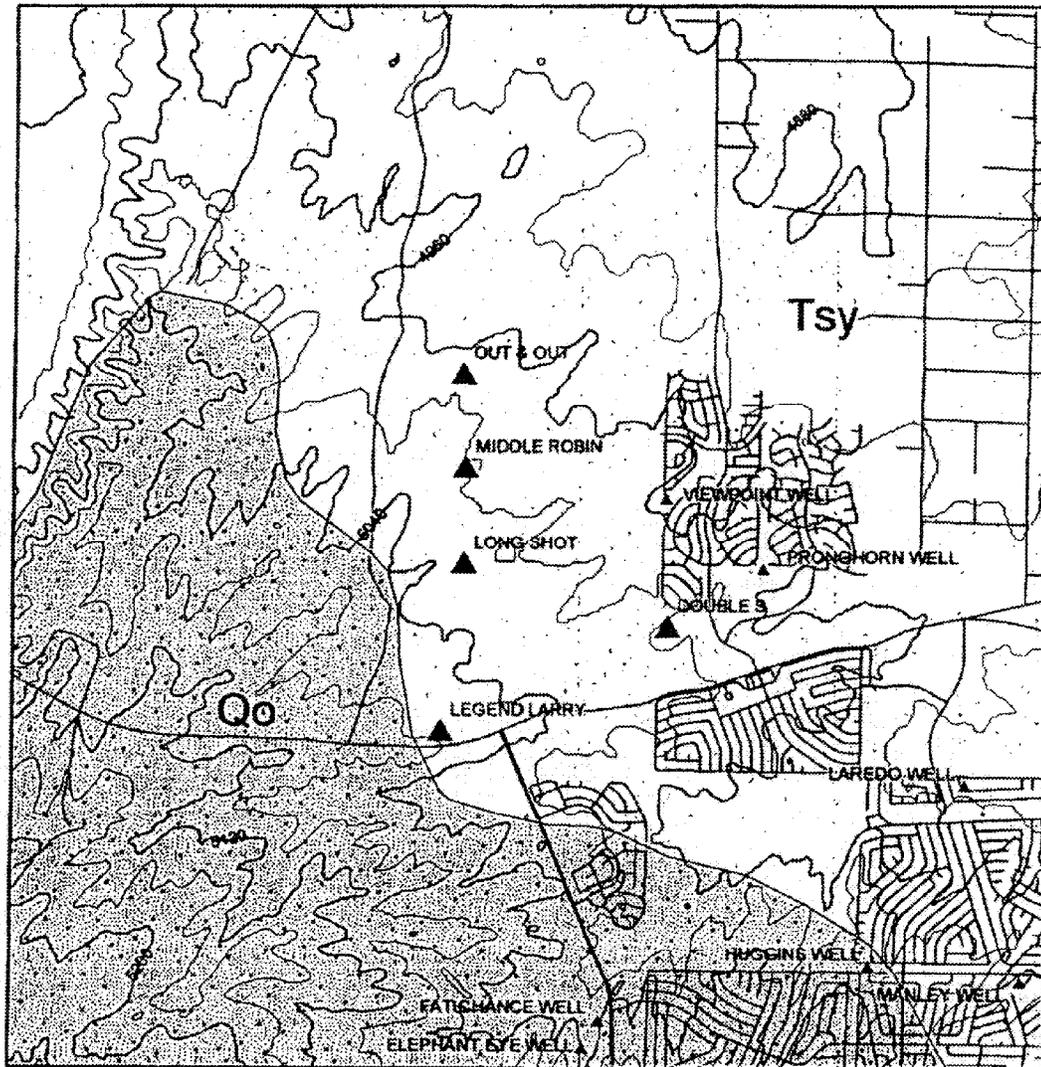


Figure 1. Location Map
Prescott Valley North Wellfield Project



Basemap Sources:

Arizona Geologic Survey (1997) for Surface Geology
Town of Prescott Valley (2004) for topographic contours, well locations, and road features

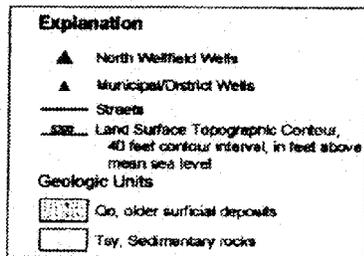
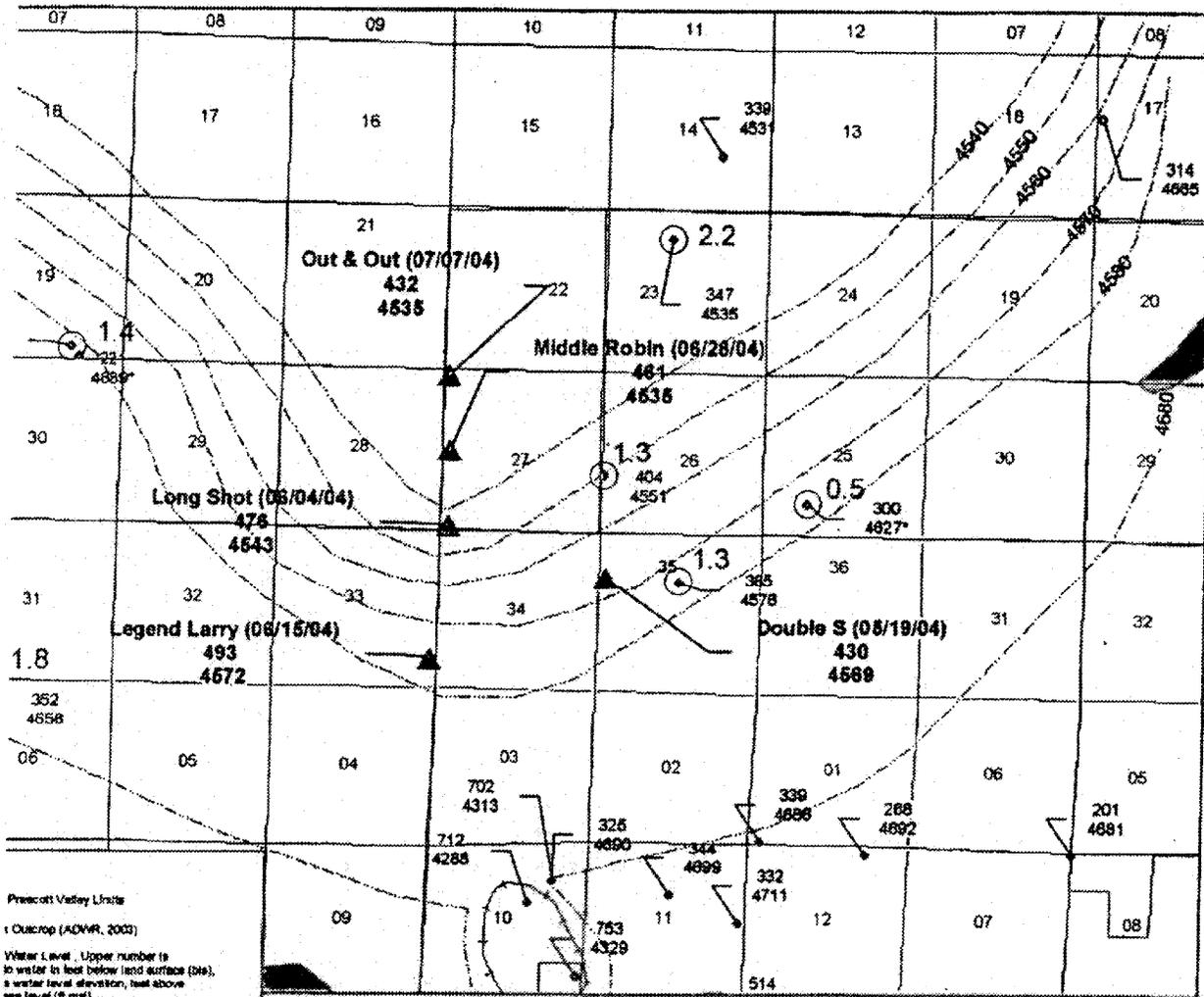


Figure 2. Surface Geology and Topography
Prescott Valley North Wellfield Project

R 1 W

R 1



Prescott Valley Units
1 Outcrop (ADNR, 2003)
Water Level: Upper number is
to water in feet below land surface (ble),
a water level elevation, feet above
sea level (ft msl)
Wellfield Well, same labeling as QMSI wells
bottom of measure date
r of Equal Groundwater Level
in, in ft msl
ation Contour
s of Well with Groundwater Level Hydrograph
s 4, Number is decline rate in feet per year
not used to construct water level contours

Figure 3. Water Levels (2004) and Groundwater Level Decline, Prescott Valley North Wellfield Project

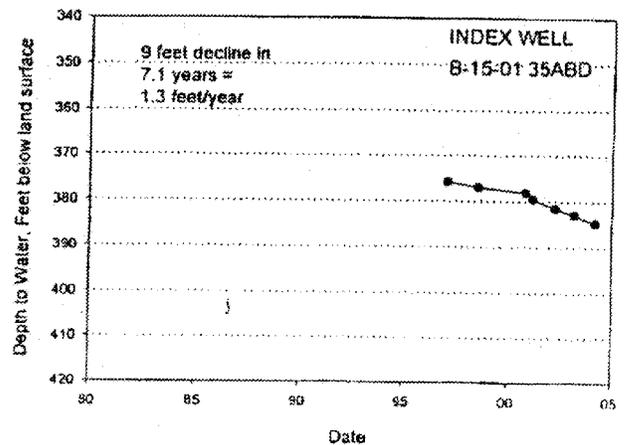
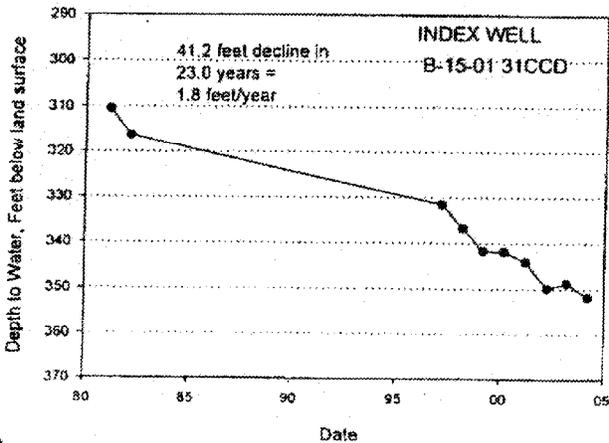
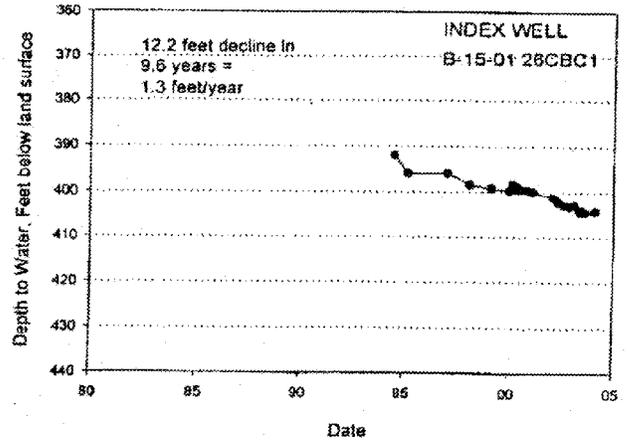
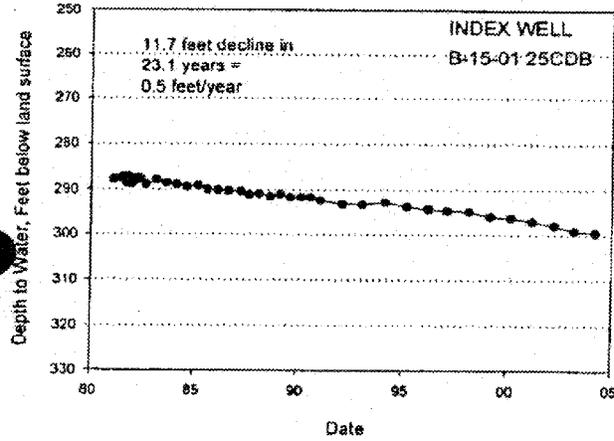
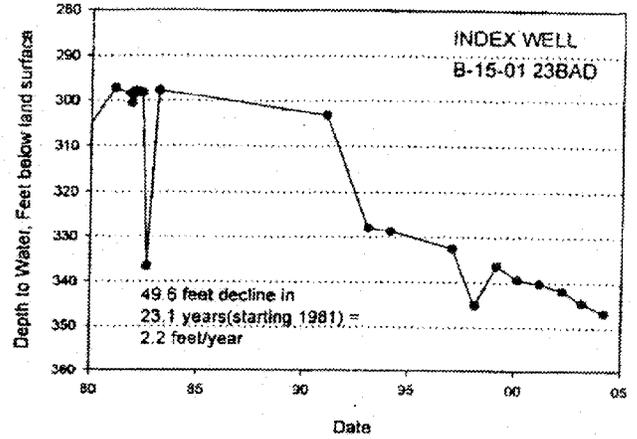
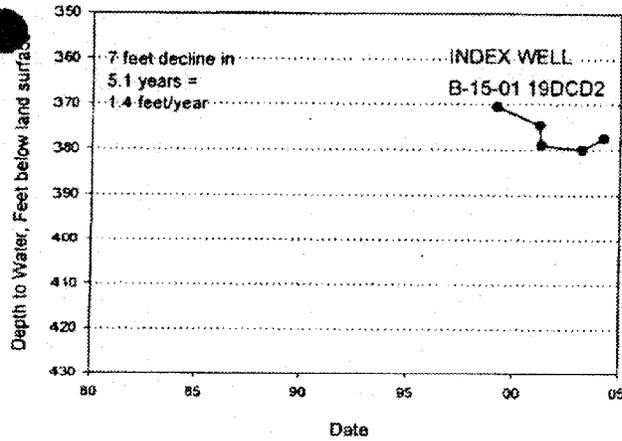


Figure 4. Groundwater Level Hydrographs
Prescott Valley North Wellfield Project

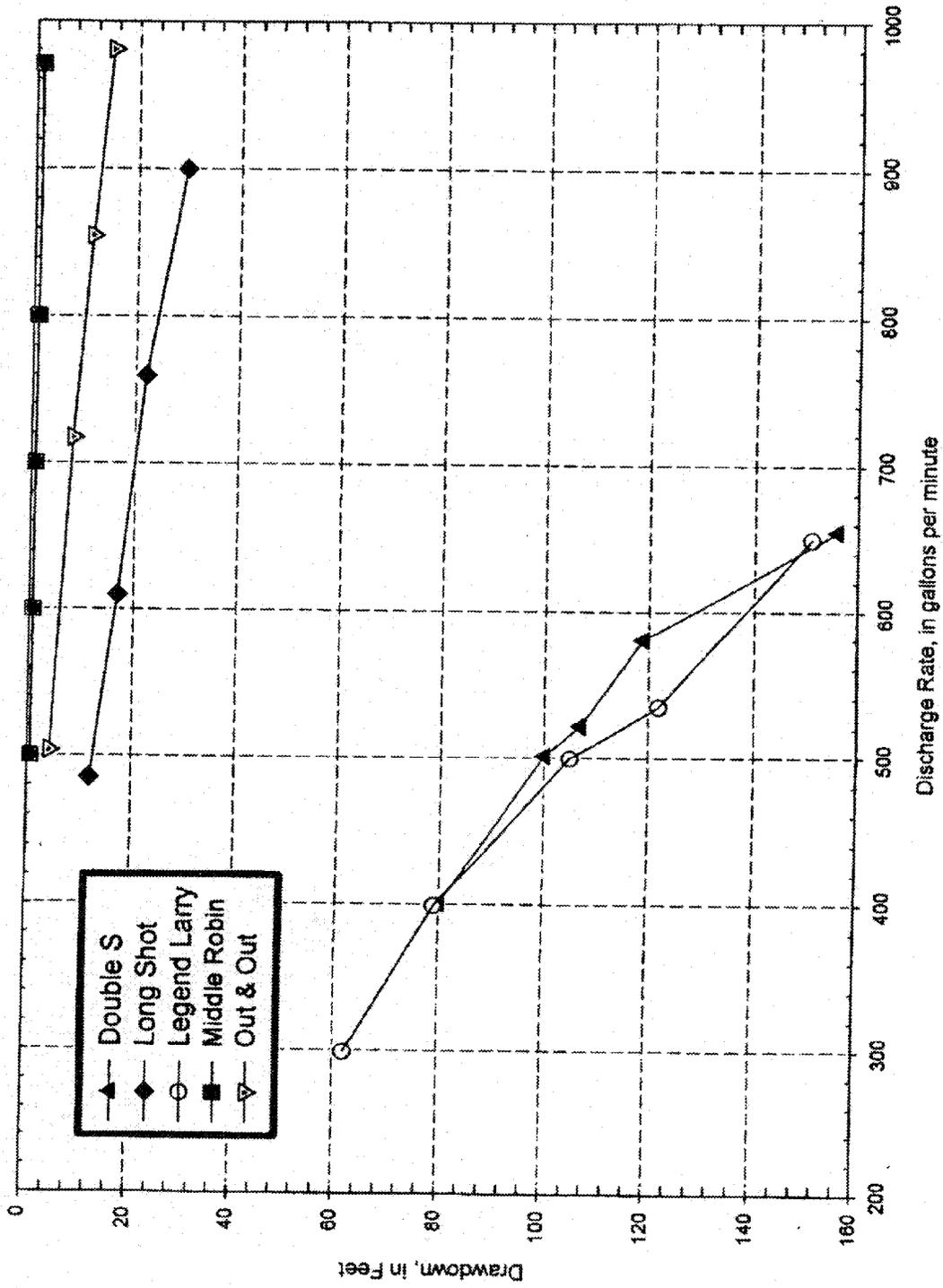
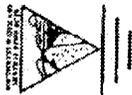


Figure 5. Pumping and Drawdown Summary
Prescott Valley North Wellfield Project



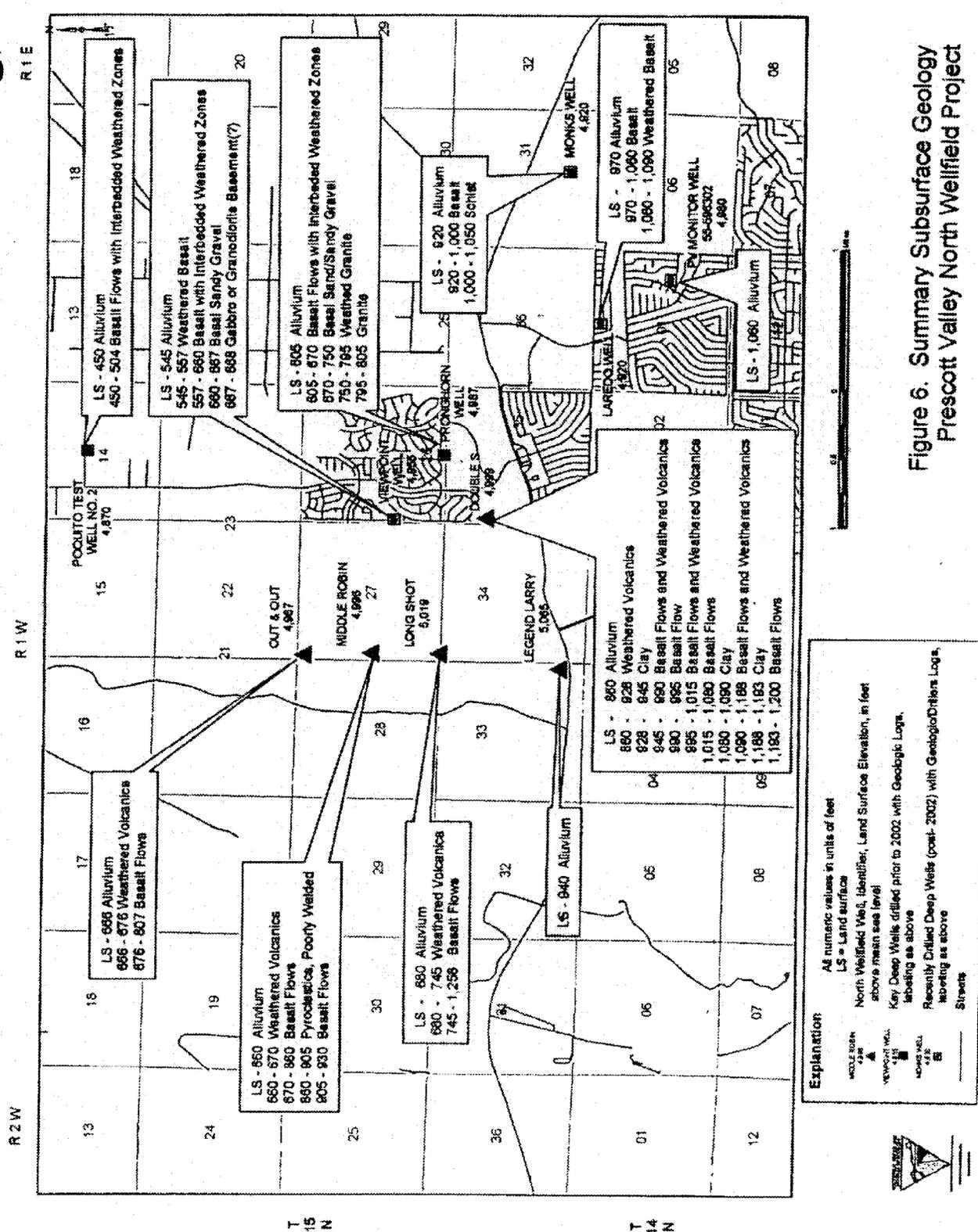


Figure 6. Summary Subsurface Geology
Prescott Valley North Wellfield Project

Explanation

All numeric values in units of feet

LS = Land surface

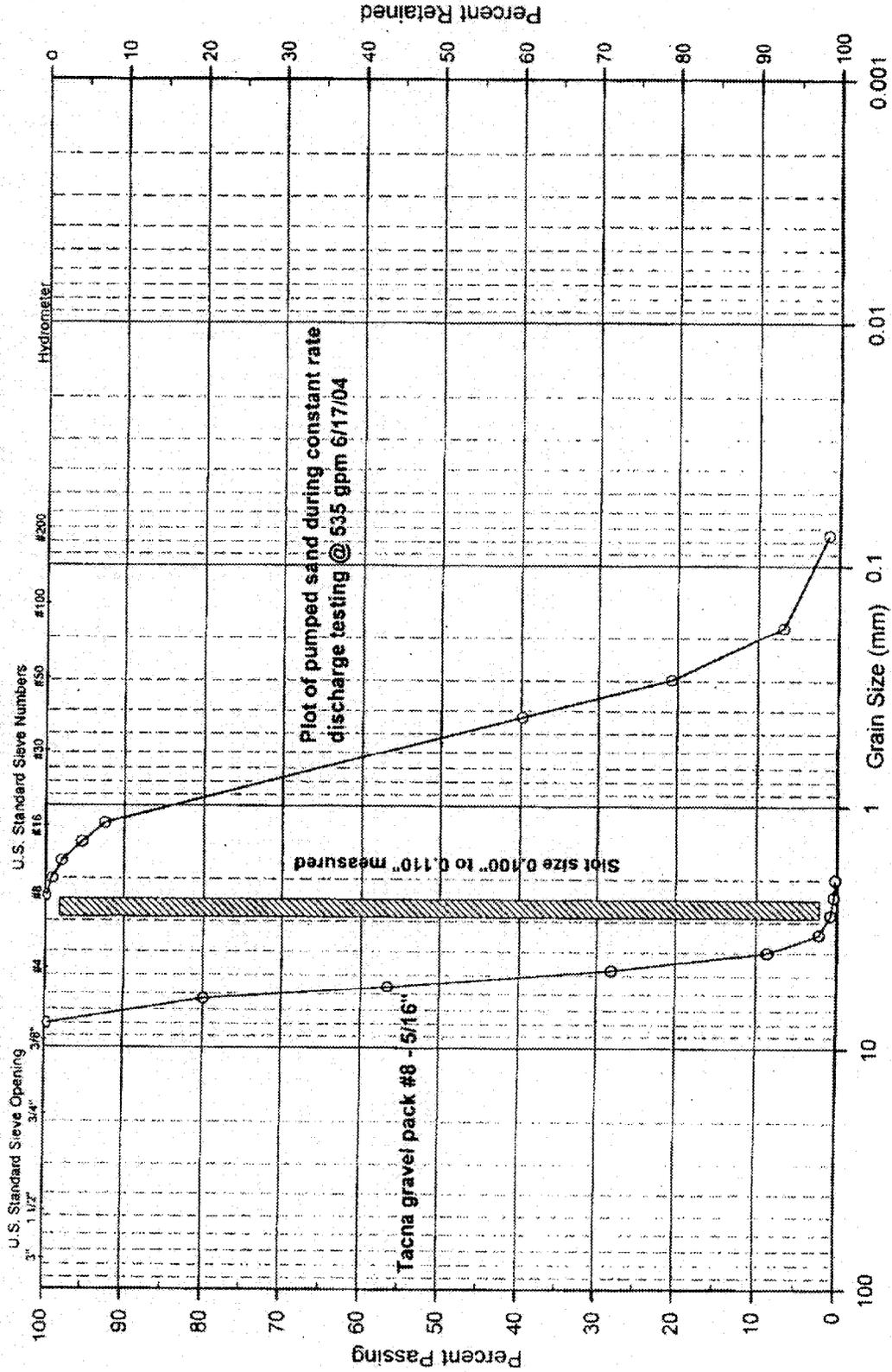
North Wellfield Well, Identifier, Land Surface Elevation, in feet above mean sea level

Key Deep Wells drilled prior to 2002 with Geologic Logs, labeling as above

Recently Drilled Deep Wells (post-2002) with Geologic/Other Logs, labeling as above

Streets

PWWD - LEGEND LARRY PRODUCTION WELL



SOUTHWEST WATER AND MINERAL RESOURCES, L.L.C.

P.O. BOX 50245
PHOENIX, ARIZONA 85076
480.893.2523

SIEVE ANALYSIS

PROJECT NAME: PVWD North Well Field - Legend Larry Well PROJECT NO.: 04-295

SAMPLE I.D. : Tacna #8 - 5/16" well rock

SOURCE LOCATION: Tacna, AZ

DATE: 6/18/2004

BY: G.D. Weesner

TOTAL SAMPLE SIZE: 1,495.5 grams

U.S. Standard Sieve Series	mm	Individual Weight Retained	Individual Percent Retained	Percent passing
5/16" - 0.3125"	8.000	6.8	0.5	99.5
# 3 - 0.2500"	6.300	293.4	19.6	79.9
#3.5 - 0.2230"	5.600	348.2	23.3	56.6
#4 - 0.1870"	4.750	426.6	28.5	28.1
#5 - 0.1570"	4.000	292.4	19.6	8.6
#6 - 0.1320"	3.360	94.8	6.3	2.2
#7 - 0.1100"	2.800	20.8	1.4	0.8
# 8 - 0.0937"	2.360	6.2	0.4	0.4
#10 - 0.0787"	2.000	<u>3.7</u>	<u>0.2</u>	0.2
TOTALS		1,492.9	99.8	

HYDROMETER ANALYSIS				% OF TOTAL PASSING	PARTICLE DIA. (mm)
TIME	HYD READ	HYD. CORR.	CORR. READING		
0.5 min.					0.050
1.0 min.					0.037
4.0 min.					0.019
19.0 min.					0.009
60.0 min.					0.005
7 hr. 15 min.					0.002

Coefficient of Uniformity, Cu = 1.45

Coefficient of Curvature, Cc = 1.01

SOUTHWEST WATER AND MINERAL RESOURCES, L.L.C.

P.O. BOX 50245
PHOENIX, ARIZONA 85076
480.893.2523

SIEVE ANALYSIS

PROJECT NAME: PVWD North Well Field - Legend Larry Well PROJECT NO.: 03-280

SAMPLE I.D. : Pumped sand sample

SOURCE LOCATION: PVWD Legend Larry Production Well

DATE: 6/18/2004

BY: G.D. Weesner

TOTAL SAMPLE SIZE: 813.8 grams

U.S. Standard Sieve Series	mm	Individual Weight Retained	Individual Percent Retained	Percent passing
5/16" - 0.3125"	8.000	0.0	0.0	100.0
# 3 - 0.2500"	6.300	0.0	0.0	100.0
#3.5 - 0.2230"	5.600	0.0	0.0	100.0
#4 - 0.1870"	4.750	0.0	0.0	100.0
#5 - 0.1570"	4.000	0.0	0.0	100.0
#6 - 0.1320"	3.360	0.0	0.0	100.0
#7 - 0.1100"	2.800	0.0	0.0	100.0
# 8 - 0.0937"	2.360	2.5	0.3	99.7
#10 - 0.0787"	2.000	5.3	0.7	99.0
#12 - 0.0661"	1.680	9.7	1.2	97.8
#14 - 0.0555"	1.410	20.6	2.5	95.3
#16 - 0.0469"	1.180	23.8	2.9	92.4
#40 - 0.0165"	0.425	428.2	52.6	39.8
#50 - 0.0117"	0.297	155.5	19.1	20.7
#80 - 0.0070"	0.180	112.2	13.8	6.9
#200 - 0.0029"	0.075	45.4	5.6	1.3
PAN	silt/clay	<u>9.0</u>	<u>1.1</u>	
TOTALS		812.2	99.8	

HYDROMETER ANALYSIS		HYD. CORR.	CORR. READING	% OF TOTAL PASSING	PARTICLE DIA. (mm)
TIME	HYD READ				
0.5 min.					0.050
1.0 min.					0.037
4.0 min.					0.019
19.0 min.					0.009
60.0 min.					0.005
7 hr. 15 min.					0.002

Coefficient of Uniformity, $C_u = 3.15$

Coefficient of Curvature, $C_c = 1.03$

Log ID: Legend Larry/Test Hole TH-3

Depth (feet)

Lithology/Drilling Comments

Drilling Rate
Feet per hour

Depth (feet)

Natural Gamma

Resistivity 64

Resistivity 16

150

200

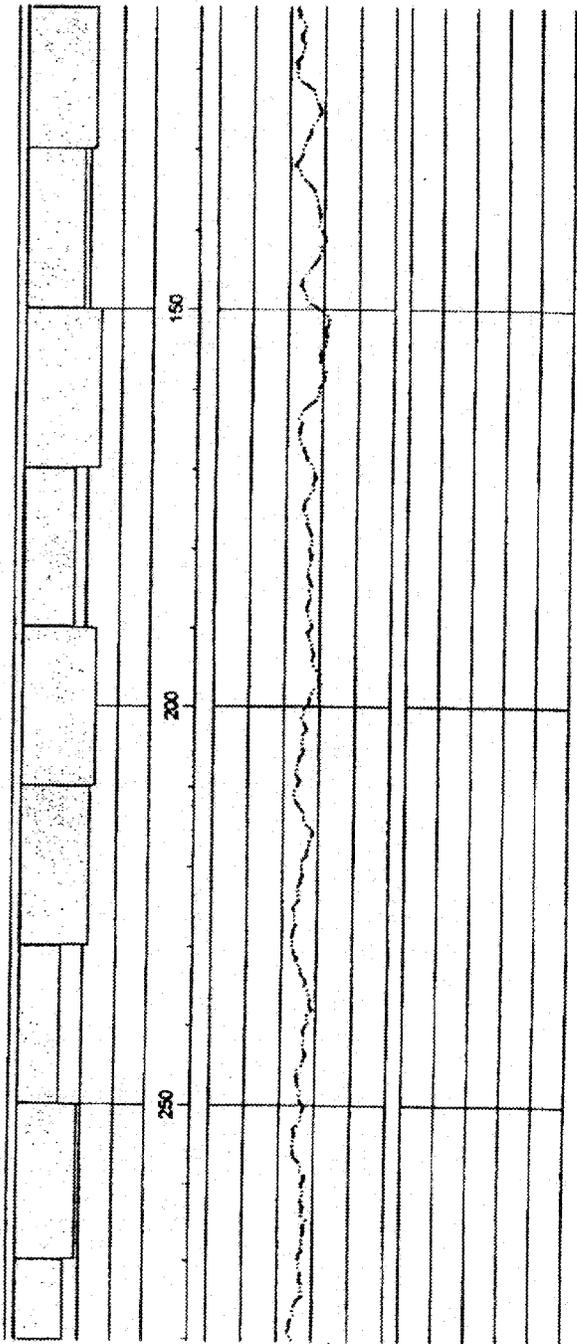
250

SILTY SANDY GRAVEL: 15% silt, 40% med.-v. crs. sand, 25% granules, 20% pebbles, 1" max. size, avg. 1/4", strong rx to HCl, unconsolidated, >170' increase in silt to about 20%, poorly sort., 132-190' interbedded zones, 165-169' very soft formation

SANDY GRAVEL: 5-10% silt, 30% med.-v. crs. sand, 25% granules, 35% pebbles, 1 1/4" max. size, avg. 3/8", mod. rx to HCl, unconsolidated, poorly sorted

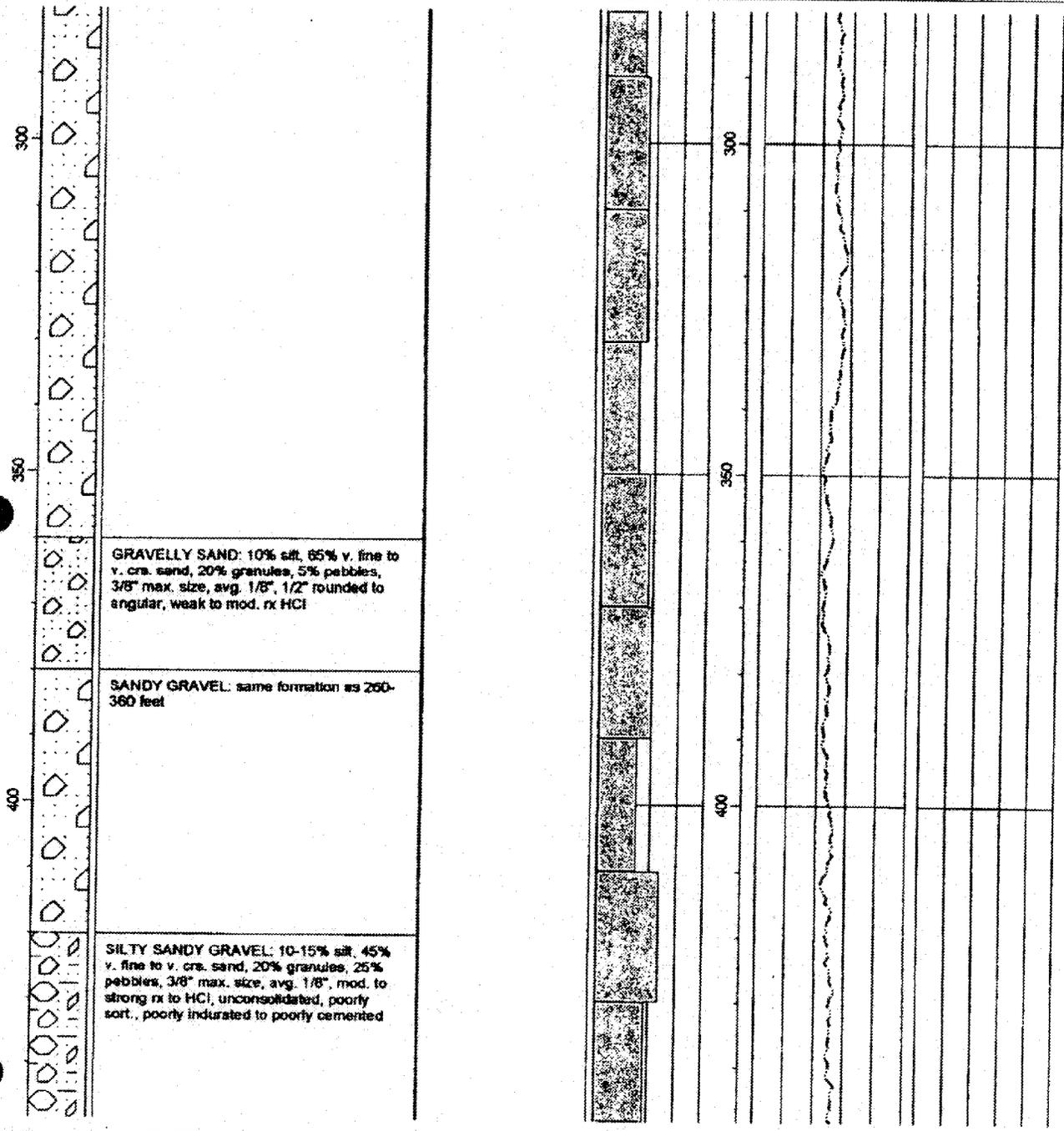
SILTY SANDY GRAVEL

SANDY GRAVEL: 5-10% silt, 30% crs.-v. crs. sand, 25% granules, 35% pebbles, 5/8" max. size, avg. 1/4", mod. rx to HCl, unconsolidated, poorly sort., 320-340 more silt in this zone 10-15%, <2% well-rounded, 5% rounded, 20% sub-rounded, 50% sub-angular, 20% angular, 5% v.-angular



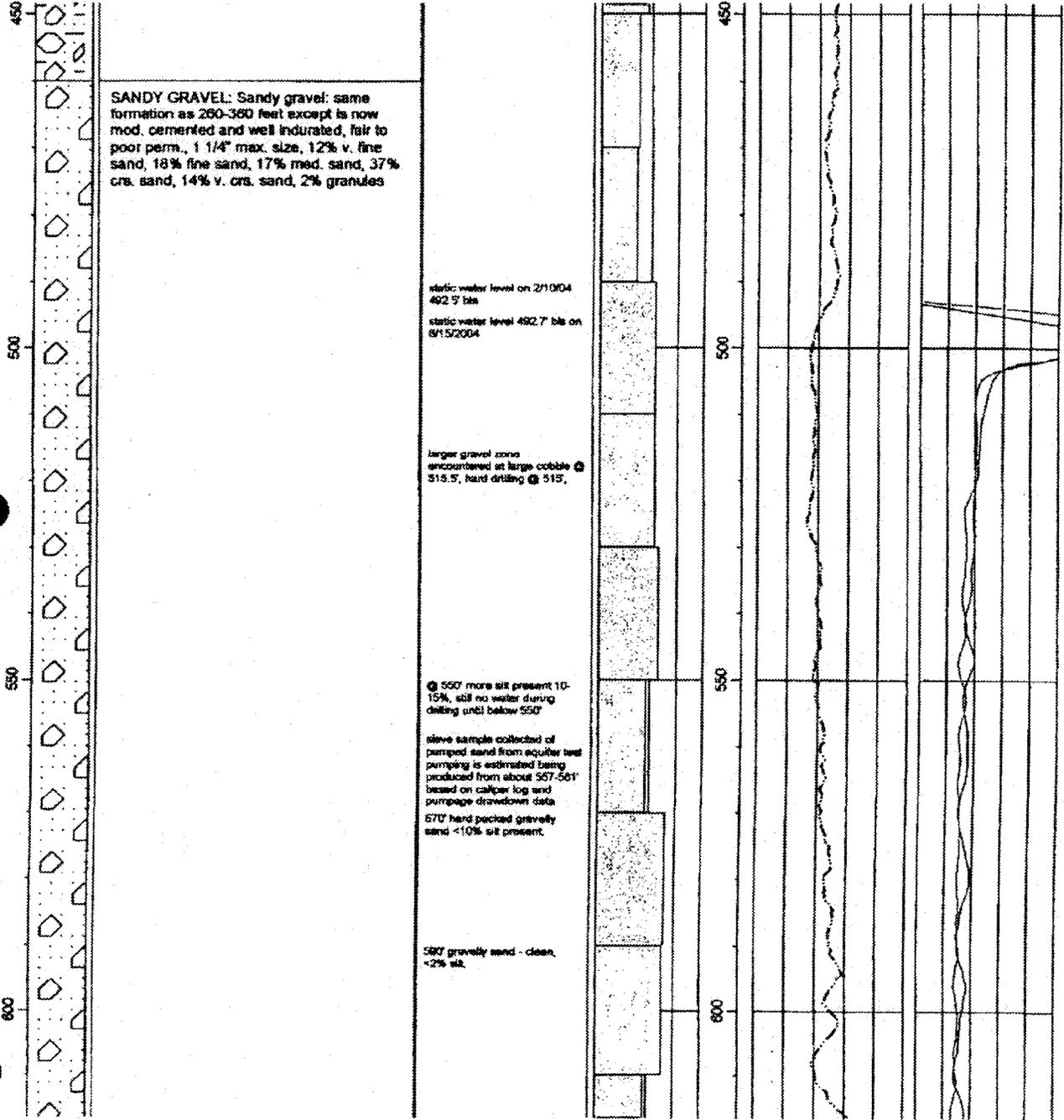
Log ID: Legend Larry/Test Hole TH-3

Depth (feet)	Lithology/Drilling Comments	Drilling Rate Feet per hour	Natural Gamma	Resistivity 64



Log ID: Legend Larry/Test Hole TH-3

Depth (feet)	Lithology/Drilling Comments	Drilling Rate Feet per hour	Natural Gamma	Resistivity 64
		0 100 150	0 150	0 150

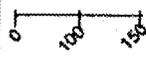


Log ID: Legend Larry/Test Hole TH-3

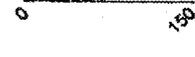
Depth (feet)

Lithology/Drilling Comments

Drilling Rate
Feet per hour



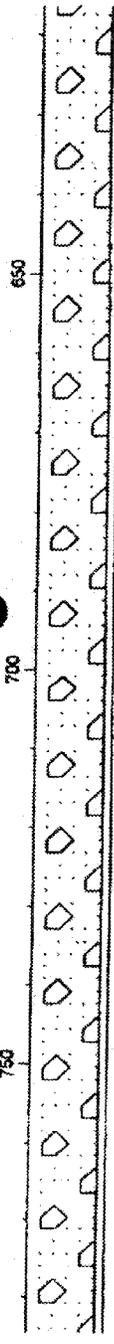
Natural Gamma



Resistivity 64



Resistivity 16



621-628' small zone of silty sand

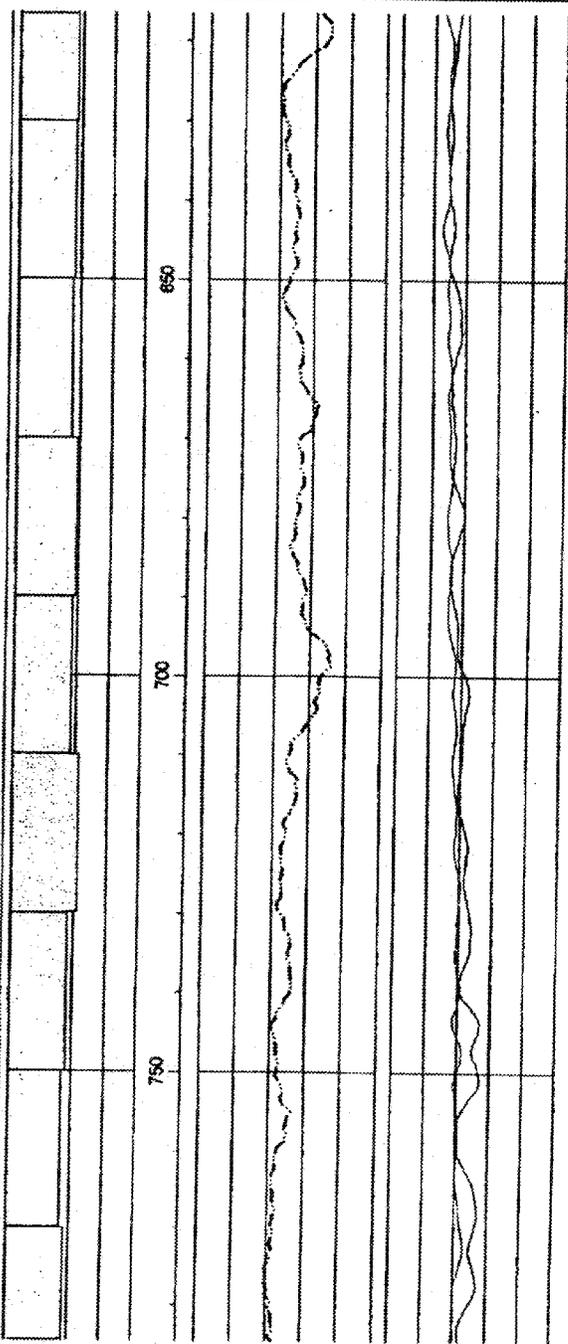
658' 1" frags. of volcanics.

690-690', larger pebbles, faster drilling, gravelly sand mostly.

710' very clean material, ~3% silt, zones of interbedded sandy gravel. Lithology: 10% basalt frags, 90% washed granite, fine - med sand zones, clean well sorted, little to no water present during air lifting. litho: 10% basalt, 90% granite frags

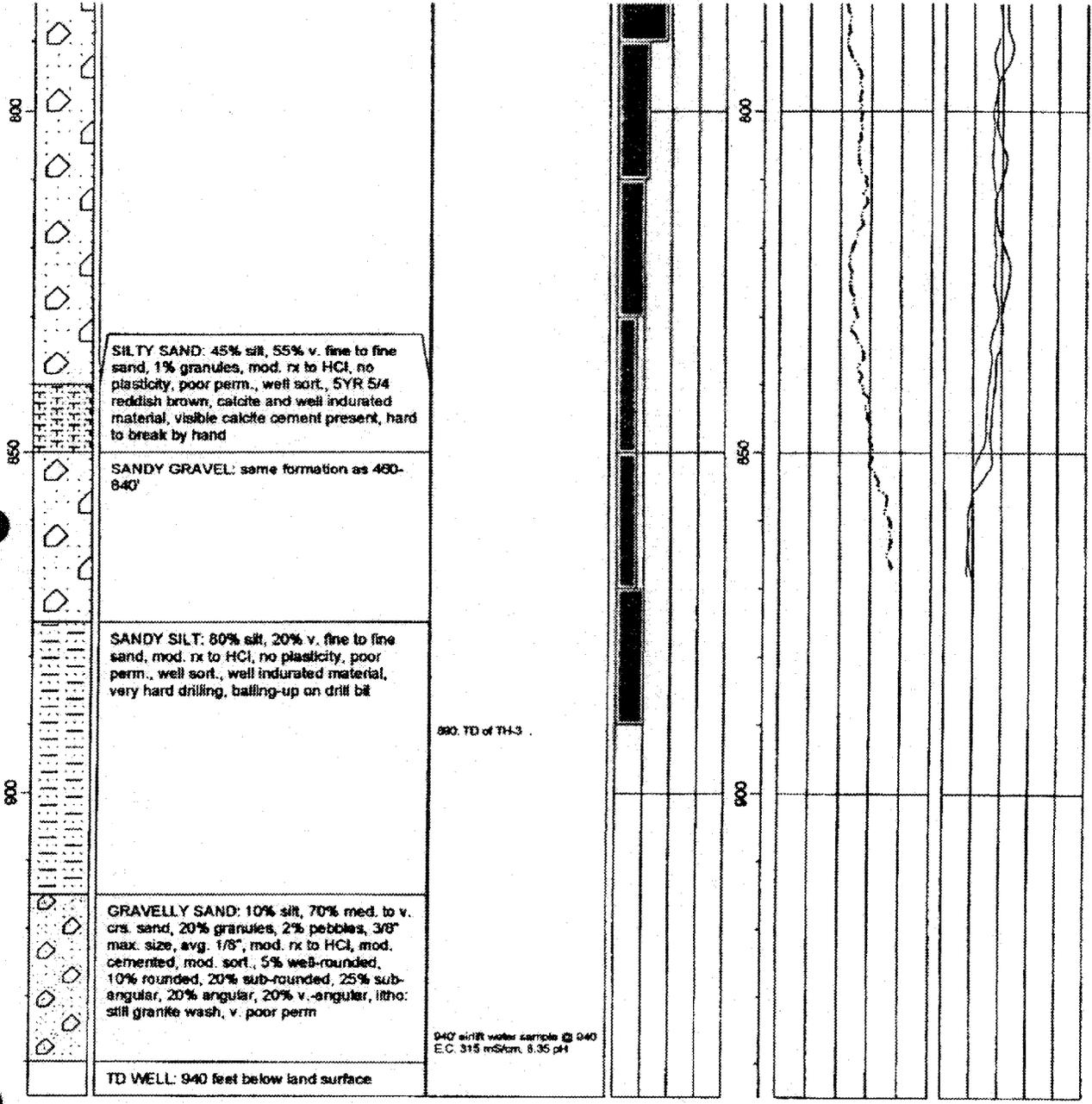
730' avg. airlift est. 20 gpm, 3/4" frag. of sub-rounded gneiss

770' air hammer having problems due to increased volume of water in hole.



Log ID: Legend Larry/Test Hole TH-3

Depth (feet)	Lithology/Drilling Comments	Drilling Rate Feet per hour	Natural Gamma	Resistivity 64
		0 100 150	0 150	0 150



940' air/water sample @ 940
E.C. 315 mS/cm, 8.35 pH

AQUIFER TEST - FIELD DATA SHEET

WELL IDENTIFICATION: Legend Larry 55-202384

N 34° 37' 53.9" W 112° 21' 35.0"

WELL LOCATION: (B-15-01)33dda₂

Pumped Well
 Observation Well

WELL OWNER: PVWD

SURFACE ELEVATION: 5,065'

OBSERVER: G.D. Weesner

MAP
 LEVEL
 ALTIMETER/GPS (WAAS)

MEASURING POINT: 1" PVC AIRL, 3.5' abv. ground level

STATIC WATER LEVEL: 496.24'

DATE: 6/15/2004

TIME: 13:05

DISCHARGE RATE OF PUMPED WELL: 299-650 gpm

Development: 24.27 hrs.

Step-drawdown 9.05 hrs.

Constant-rate: 12.00 hrs.

Recovery: 3.68 hrs.

WELL CASING DIAMETER: 12.75-inch

6/15-19/2004

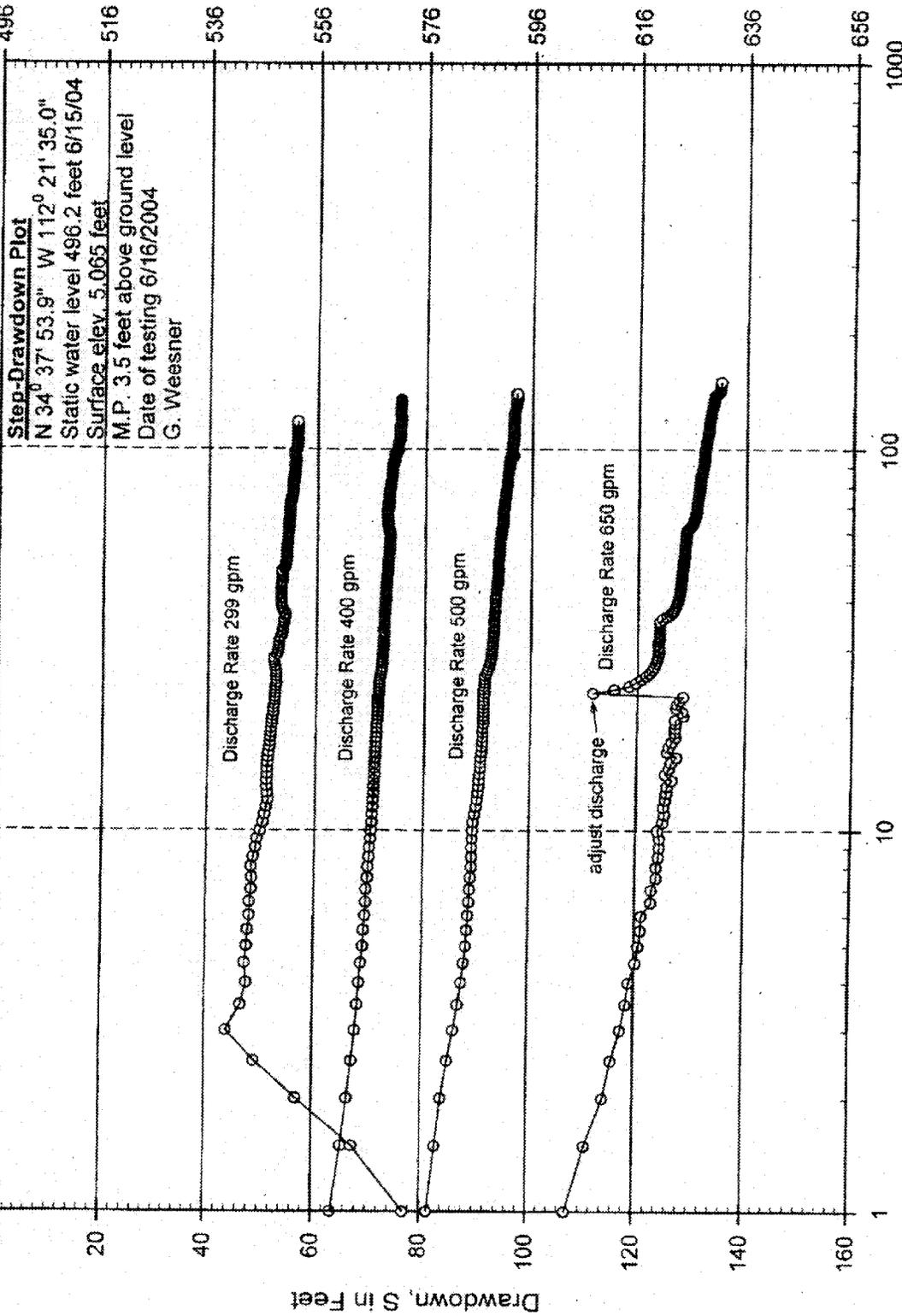
REMARKS: Pump setting 700', 175 hp, 6" drop-pipe, 480 V, 3 phase, 3,450 rpm set by Pumptech, 6" new McCrometer Ultra Mag electromagnetic flowmeter used

Time	Elapsed Time t	Step Time	Discharge Q in GPM	Specific Capacity gpm/ft	Water Level, Ft.	Drawdown n feet	Flowmeter Totalizer gals	Time	PSI	Remarks
6/15/2004										
13:05:00					496.24					static water level - pre-development
15:48:00	0.0						4,484,000	15:48:00		start development pumping
6/15/2004										
7:22:00	934.0						4,928,000	7:22:00		end of development pumping
<i>In-Situ miniTROLL pressure transducer installed -- 30 second readings</i>										
Unable to make hand water level measurements due to pump cable snags										
Step-drawdown Test No. 1 (299 gpm)										
10:27:00	0.0	0.0					4,928,000	10:27:00		start pump
10:36:00	9.0	9.0	300						138.2	start Rossum sand tester 2.5 ml @ 10:37
10:41:00	14.0	14.0	300						137.1	Rossum 3.15 ml @ 10:37 = 105 ppm
10:46:00	19.0	19.0	299						136.1	Rossum 4.3 ml @ 10:46 = 98 ppm
10:56:00	29.0	29.0	303						136.0	Rossum 5.2 ml @ 10:57 = 41 ppm
11:04:00	37.0	37.0								
11:11:04	44.1	44.1	295	5.8	549.78	53.54	4,939,000	11:04:56	136.0	Rossum 6.0 ml @ 11:16 = 21 ppm
11:18:00	52.0	52.0	300						137.0	start Rossum 0.0 ml @ 11:19
11:50:00	83.0	83.0	300						135.0	Rossum 0.55 ml @ 11:51 = 8.5 ppm
12:23:00	116.0	116.0	300						135.0	
12:25:00	118.0	118.0							135.0	Rossum 1.0 ml @ 12:24 = 7.0 ppm
Step-drawdown Test No. 2 (400 gpm)										
12:25:00	118.0	0.0								
12:27:00	120.0	2.0	400				4,965,000	12:30:00	107.5	Rossum 2.1 ml @ 12:38 = 39 ppm
12:39:00	132.0	14.0	398						107.0	Rossum 3.8 ml @ 12:52 = 53 ppm
12:50:00	143.0	25.0	401						105.5	E.C. = 295 µS/cm, 74.1°F, pH 8.05
13:12:00	185.0	47.0	398						105.0	Rossum 5.5 ml @ 13:13 = 45 ppm
13:55:00	208.0	90.0	401						105.5	Rossum 8.2 ml @ 13:56 = 31 ppm
14:23:00	236.0	118.0	400						105.0	Rossum 0.23 ml @ 14:00
14:27:00	240.0	122.0	399	5.3	571.46	75.22			104.0	Rossum 8.4 ml @ 14:25 = 125 ppm, 8.0 ml @ 14:38 = 61 ppm
14:40:00	253.0	135.0					5,016,000	14:38:02		398.8 gpm
Step-drawdown Test No. 3 (500 gpm)										
14:40:00	253.0	0.0							84.3	Rossum 0.0 ml @ 14:43
14:41:00	254.0	1.0	504				5,024,000	14:54:29	80.3	Rossum 6.8 ml @ 14:53 = 340 ppm
14:52:00	285.0	12.0	500						79.5	Rossum 0.0 ml @ 15:43
15:35:00	308.0	55.0	502						77.5	E.C. = 294 µS/cm, 73.4°F, pH 8.05
16:13:00	346.0	93.0	502							
16:39:00	372.0	119.0	500	5.2	592.76	98.54			77.9	Rossum 4.9 ml @ 16:14 = 79 ppm
17:00:00	393.0	140.0	498						79.3	Rossum 9.0 ml @ 16:40 = 79 ppm

Time	Elapsed Time t	Step Time	Discharge Q in GPM	Specific Capacity gpm/ft	Water Level, Ft.	Drawdown in feet	Flowmeter Totalizer gals	Time	PSI	Remarks
Step-drawdown Test No. 4 (650 gpm)										
17:00:00	363.0	0.0	651				5,088,000	17:01:48	79.3	
17:05:00	368.0	5.0	650						37.4	
17:09:00	401.0	8.0	645						37.0	
17:18:00	411.0	18.0	650						36.0	Rossum 0.0 ml @ 18:05
17:31:00	424.0	31.0	645						38.5	Rossum 0.5 ml @ 18:07 = 125 ppm
18:02:00	455.0	62.0	650						33.7	Rossum 5.8 ml @ 18:38 = 65 ppm
18:37:00	490.0	97.0	647						32.0	Rossum 0.0 ml @ 18:16
18:17:00	530.0	137.0	647			miniTROLL reading			33.0	Rossum 0.35 ml @ 18:17 = 180 ppm
19:29:00	542.0	149.0	647	4.8	631.32	135.08	5,183,000	19:28:40	31.7	648.8 gpm, Rossum 0.78 ml @ 19:19 = 108 ppm, 2.4 ml @ 19:27 = 101 ppm
19:30:00	543.0	150.0								pump off
Constant Rate Test (635 gpm)										
8/16/2004										
22:30:00	0.0						5,183,000	22:30:00		start pumping, genset @ 3,320 hrs.
22:35:00	5.0		535				5,188,000	22:38:24	80.3	
22:40:00	10.0		533				5,193,000	22:48:34	78.2	531.6 gpm
22:50:00	20.0		532			miniTROLL reading			75.0	Rossum 0.0 ml @ 22:54
23:09:00	38.0		528	5.5	591.82	65.58	5,202,000	23:06:37	74.0	527.8 gpm, Rossum 4.9 ml @ 22:58 = 800 ppm
23:28:00	56.0		538				5,214,000	23:28:53	69.0	538.9 gpm, Rossum 8.0 ml @ 23:05 = 220 ppm
23:47:00	77.0		535						69.0	
8/17/2004										
0:27:00	117.0		535				5,245,000	0:26:51	68.0	534.8 gpm
1:58:00	208.0		531						68.0	Rossum 0.0 ml @ 02:02, 0.3 ml @ 02:04 = 75 ppm
2:08:00	218.0		540				5,298,000	2:08:37	66.0	531.2 gpm, Rossum 0.8 ml @ 02:09 = 50 ppm
3:59:00	329.0		535				5,359,000	4:00:10	72.0	537.2 gpm, Rossum 2.65 ml @ 04:01 start, 3.9 ml @ 04:04 = 210 ppm
5:47:00	437.0		534						65.5	Rossum 0.0 ml @ 06:18, 0.22 ml @ 06:22 = 27 ppm, 1.95 ml @ 06:40 = 48 ppm
7:02:00	512.0		535				5,455,000	6:59:45	63.2	534.6 gpm
8:18:00	588.0		535				5,498,000	8:20:06	61.2	535.2 gpm, Rossum 4.8 ml @ 08:21 start, 7.5 ml @ 08:37 = 91 ppm
10:20:00	710.0		537			miniTROLL reading	5,563,000	10:21:12	58.7	538.7 gpm, E.C. = 292 mS/cm, 73.80F, pH 8.10
10:25:00	715.0		535	4.5	615.70	119.48				
10:30:00	720.0						5,567,000	10:30:00		pump off, genset 3,332 hrs.
RECOVERY										
Time	Elapsed Time t	Recovery Time t	W	Water Level, FT.	Drawdown S, FT.					Remarks
10:30:00	720.0	0.0								pressure transducer data for recovery
14:10:00	840.0	220.0	4.3	504.41	8.17					

Time	Elapsed Time t	Step Time	Discharge Q in GPM	Specific Capacity gpm/ft	Water Level, Ft.	Drawdown n feet	Flowmeter Totalizer gals	Time	PSI	Remarks
Install 7 bags = 9 yards of Tacna #8 - 5/16" filter pack gravel										
6/19/2004										
7:45			720				5,567,000	7:45		Driltech started well and started adding gravel prior to my arrival
8:20:00			720				5,593,000	8:20:48		Rossum 0.0 ml @ 08:19 start, 0.58 ml @ 08:22 = 96 ppm
8:26:00			720							1.15 ml @ 08:26 = 82 ppm
8:31:00			720							0.0 ml @ 08:49, 2.1 ml @ 09:02 = 81 ppm
9:13:00			720							3.8 ml @ 09:13 = 77 ppm, surge pump 1X
9:18:00			720							0.0 ml @ 09:48 start, 1.3 ml @ 09:52 = 150 ppm
9:52:00			720							surge pump 1X
9:59:00			720							dump 50 ppm from water truck on top of gravel to try to move gravel pack
10:10:00			720							0.0 ml @ 10:29 start, 1.5 ml @ 10:34 = 150 ppm,
10:42:00			250							2.35 ml @ 10:41 = 81 ppm
10:53:00			255							reduce discharge rate
										pump off, 0.0 ml @ 10:46 start, 0.26 ml @ 10:52 = 21 ppm
Add hose fittings pumphead and flood 160 gpm pack into well on top of gravel filter to move down past bridging										
13:39:00										
14:18:00			725	4.8	646.3	150.0				0.0 ml @ 14:13 start, 1.1 ml @ 14:20 = 78 ppm, 2.5 ml @ 14:31 = 63 ppm
14:31:00			725							pump off
14:36:00	0									start pump
14:47:00	11		243	4.4	551.8	55.6			140	
15:01:00	25		250	4.7	549.9	53.7				0.34 ml @ 14:59 start, 0.50 ml @ 15:07 = 7.5 ppm
15:16:00	42		255	4.8	548.9	52.7				0.70 ml @ 15:19 = 6.3 ppm
15:20:00	44		337							
15:25:00	49		335	5.4	558.5	62.3			120	0.8 ml @ 15:28 = 5.0 ppm
15:40:00	64		332	5.2	559.9	63.7				0.11 ml @ 15:33 start, 0.20 ml @ 15:36 = 9.0 ppm
15:57:00	81		332	5.2	560.0	63.6				0.36 ml @ 15:55 = 4.7 ppm
15:58:00	82									
16:00:00	84		407	5.8	569.0	72.8				0.49 ml @ 16:04 = 7.2 ppm
16:19:00	103		400	5.3	571.5	76.3				0.78 ml @ 16:20 = 9.0 ppm
16:51:00	135		400							0.0 ml @ 16:24
16:52:00	136		480						88	0.40 ml @ 16:50 = 7.7 ppm
17:11:00	155		474	5.3	571.5	89.2				1.3 ml @ 17:10 = 23 ppm
17:36:00	180		472	5.2	571.5	90.1			85	1.6 ml @ 17:32 = 6.8 ppm, 0.0 ml @ 17:34
17:51:00	195		470							0.7 ml @ 17:50 = 22 ppm
17:52:00	196		560							
18:10:00	214		548	5.2	571.5	105.0				1.2 ml @ 18:07 = 14 ppm
18:43:00	247		545	5.1	571.5	106.8				3.1 ml @ 18:24 = 53 ppm
18:44:00	248									0.0 ml @ 18:25, 1.1 ml @ 18:41 = 34 ppm
18:56:00	260		725		644.2	148.0				
18:00:00	264									surge pump 1X
18:05:00	269						5,828,000	18:08		
18:19:00	283									pump off, genset 3.344 hrs.

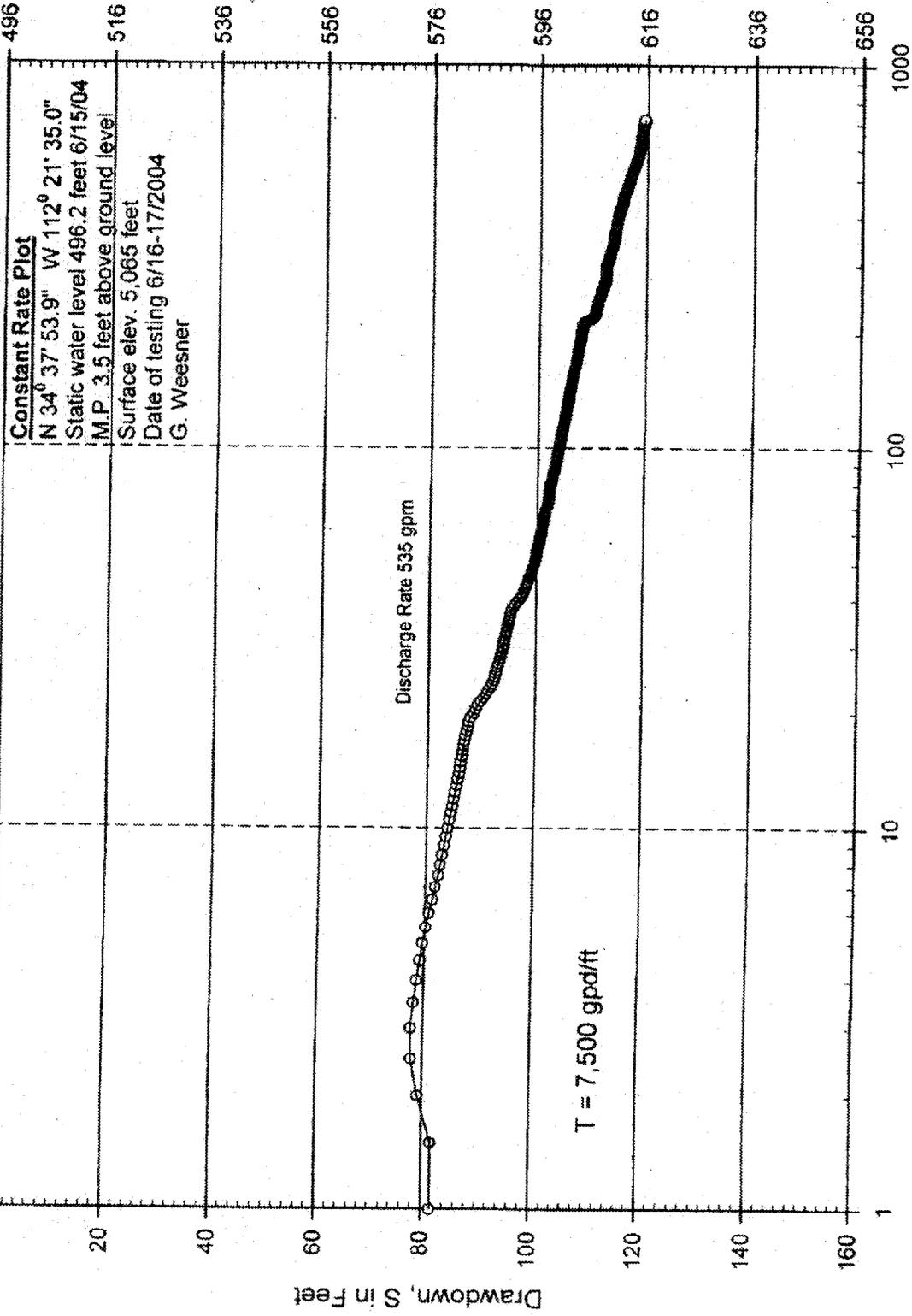
Prescott Valley Water District - Legend Larry Well (B-15-01)33dda



Time Pumping Started, Minutes

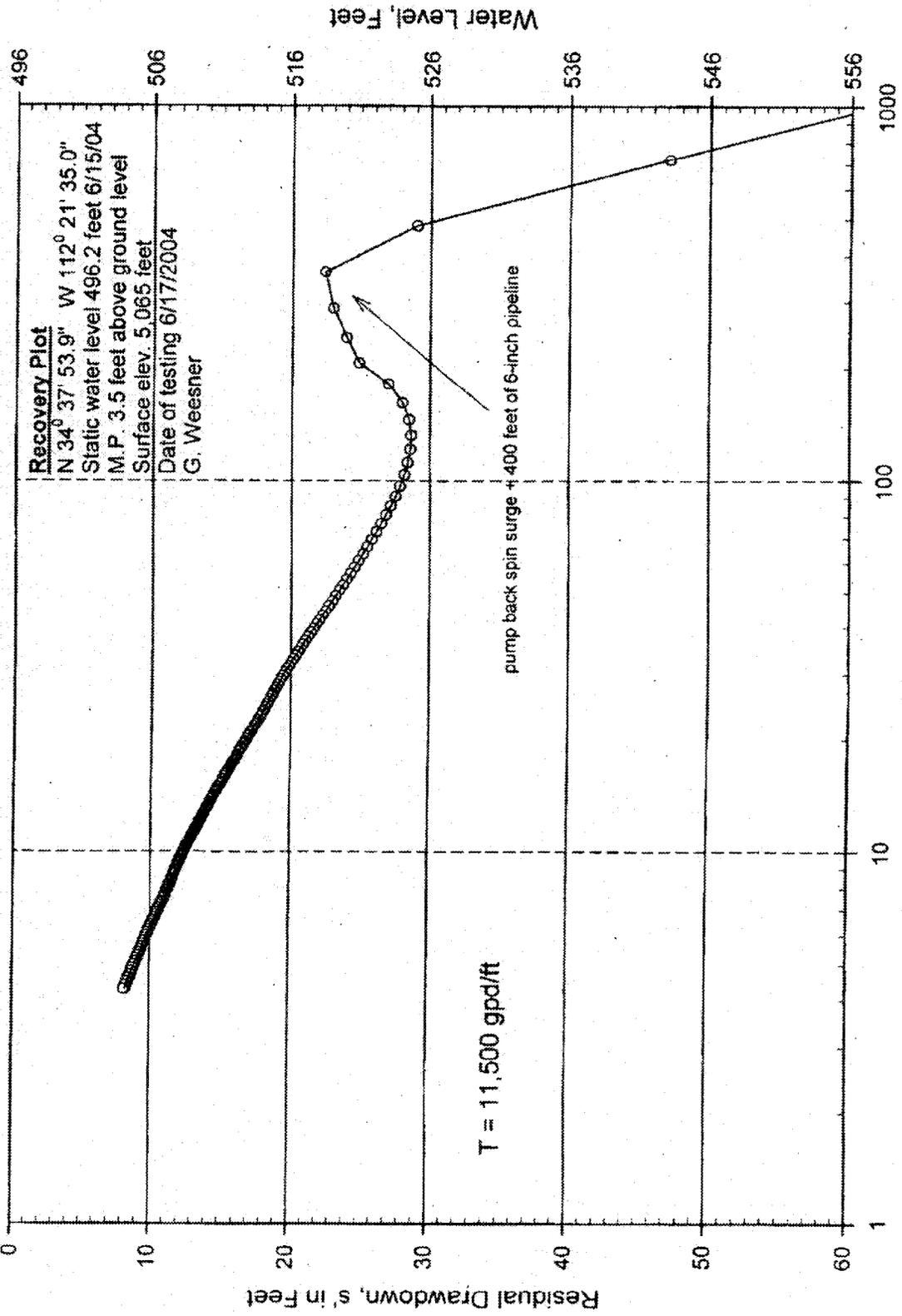
SWMR

Prescott Valley Water District - Legend Larry Well (B-15-01)33dda₂



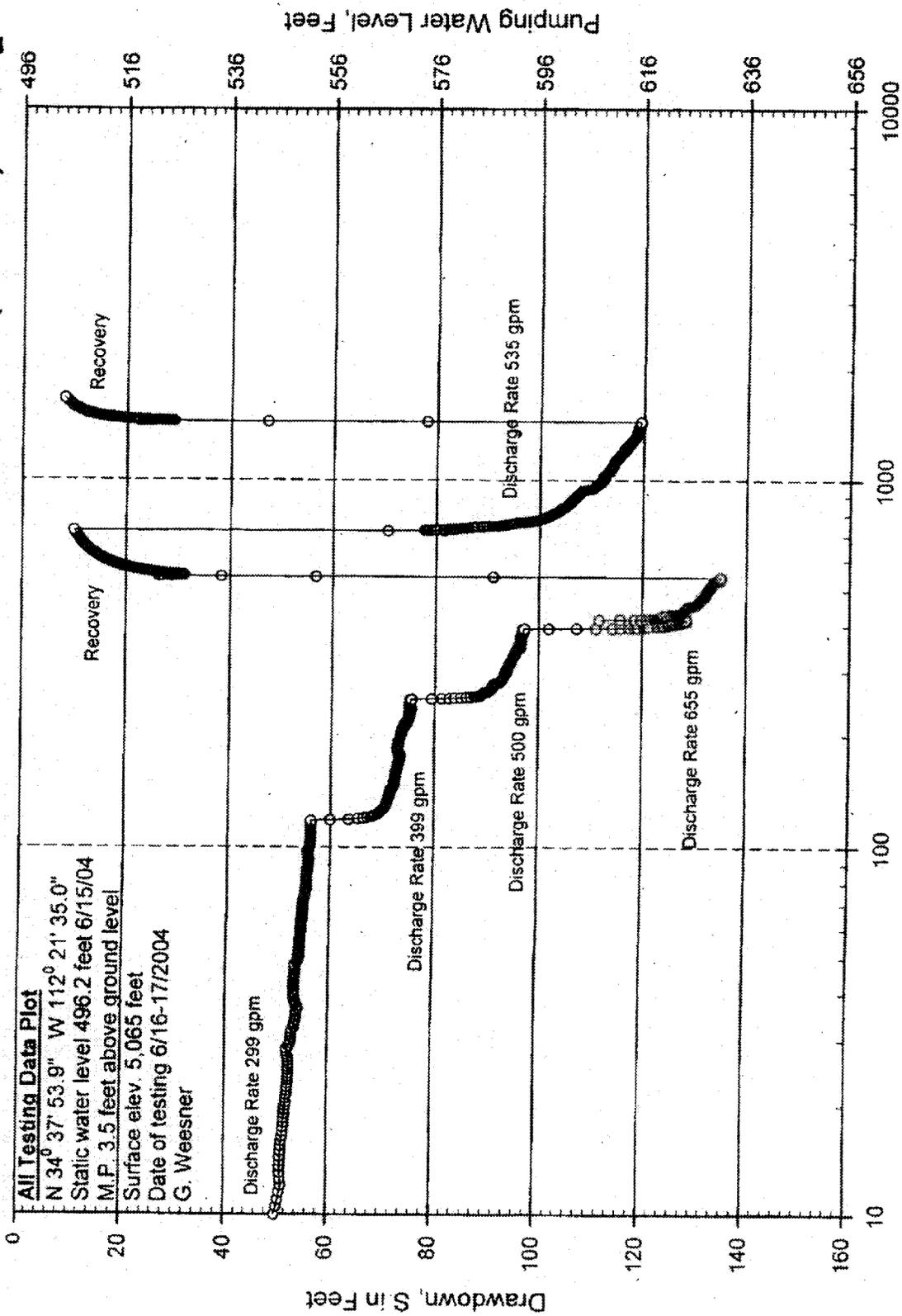
SW/MR

Prescott Valley Water District - Legend Larry Well (B-15-01)33dda z



SWMR

Prescott Valley Water District - Legend Larry Well (B-15-01)33dda.z



SWMR

Run Date: 07/24/2007

AZ DEPARTMENT OF WATER RESOURCES
WELL REGISTRY REPORT - WELLS55

Location B 15.0 1.0 33 D D A Well Reg.No 55 - 202384 AMA PRESCOTT AMA

Registered Name PRESCOTT VALLEY WATER DISTRICT
7501 E CIVIC CIRCLE
PRESCOTT VALLEY AZ 86314
File Type NEW WELLS (INTENTS OR APPLICATIONS)
Application/Issue Date 03/26/2004

Owner OWNER
Driller No. 239
Driller Name DRILL-TECH, INC.
Driller Phone 928-636-8006
County YAVAPAI
Well Type WITHDRAWAL PERMIT
SubBasin LITTLE CHINO
Watershed VERDE RIVER
Registered Water Uses MUNICIPAL
Registered Well Uses WATER PRODUCTION
Discharge Method NO DISCHARGE METHOD LISTED
Power NO POWER CODE LISTED
Intended Capacity GPM 550.00

Well Depth 790.00 Case Diam 13.00 Tested Cap 0.00
Pump Cap. 0.00 Case Depth 790.00 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 conversion to service area well
56-003012.0000

Places Of Use
B 15.0 1.0 33 D D A

Current Action
7/23/2007 305 APP RCVD FOR A WELL PERMIT FOR A CONVERSION
Action Comment: jrsjr

Action History
11/29/2004 750 WELL LOG RECEIVED
Action Comment: DH
6/9/2004 755 WELL CONSTRUCTION COMPLETED
Action Comment: DH
4/1/2004 700 SITE VERIFIED AS ACCURATE
Action Comment:
3/29/2004 600 PERMIT ISSUED
Action Comment:
3/29/2004 552 DRILL CARD HELD BY AMA PENDING SITE VERIFICATION
Action Comment:
3/22/2004 867 APP/NOI REVIEW BY HYDRO/WQARF COMPLETE
Action Comment:
2/19/2004 400 HYDROLOGY APPLICATION REVIEW COMPLETE
Action Comment:
2/12/2004 355 APP SENT TO AMA FOR REVIEW
Action Comment:
2/12/2004 365 APP SENT TO HYDROLOGY FOR REVIEW
Action Comment:
2/12/2004 866 APP/NOI SENT TO HYDRO/WQARF FOR REVIEW
Action Comment:

Run Date: 07/24/2007

AZ DEPARTMENT OF WATER RESOURCES

WELL REGISTRY REPORT - WELLS55

2/10/2004 315 APP RCVD FOR A WITHDRAWAL PERMIT FOR A NEW WELL

Action Comment: