



0000047881

ORIGINAL

28

**WATCO**

*P.O. BOX 1270 SHOW LOW, AZ 85902/PHONE 928-537-8739/FAX 928-537-8739*

April 14, 2006

Docket No. W-01979A-05-0645

To Whom It May Concern:

During the April 4, 2006 open meeting, the extension of Watco, Inc.'s Certificate of Convenience and Necessity was discussed. The Commissioners requested a copy of the Water Adequacy Report, prepared by Southwest Ground Water, relating to the well that will be used to provide water to the designated service area. Enclosed are the requested copies of the Water Adequacy Report.

To meet the compliance order of the Commission, the information from Navajo County pertaining to Watco, Inc.'s franchise area has also been included.

If you have any questions or comments I can be contacted by any of the means mentioned in the header of this letter. Thank you.

Sincerely,

Thomas Grapp

AZ CORP COMMISSION  
DOCUMENT CONTROL

2006 APR 17 P 12:04

RECEIVED

# Cover Sheet

Do Not Use This Space  
Official  
Use  
Only

Do Not Use This Space  
Official  
Use  
Only

COMPANY NAME: WATCO, INC.  
DBA (if applicable): \_\_\_\_\_  
DOCKET NUMBER(s): W-01979A-05-0645

INSTRUCTIONS: Please choose the item that best describes the nature of the case/filing.

## UTILITIES – NEW APPLICATION

- |   |  |
|---|--|
| <input type="checkbox"/> New CC&N             | <input type="checkbox"/> Interconnection Agreement |
| <input type="checkbox"/> Extension of CC&N    | <input type="checkbox"/> Rates                     |
| <input type="checkbox"/> Deletion of CC&N     | <input type="checkbox"/> Financing                 |
| <input type="checkbox"/> Cancellation of CC&N | <input type="checkbox"/> Formal Complaint          |
| <input type="checkbox"/> Tariff (NEW)         |  |

**Miscellaneous - Specify:** Navajo County Resolution 83-05 - Watco Non-Exclusive Franchise & Information Requested by Commissioners at open meeting April 4-2006 (Water Adequacy Report application)

## UTILITIES – REVISIONS/AMENDMENTS/COMPLIANCE

Application

Decision No: \_\_\_\_\_  
Docket No: \_\_\_\_\_

Tariff

Promotional:   
Compliance:

## MISCELLANEOUS FILINGS

- |   |  |
|---|--|
| <input type="checkbox"/> Affidavit (Publication, Public Notice) | <input type="checkbox"/> Motion to Intervene |
| <input type="checkbox"/> Request/Motion                         | <input type="checkbox"/> Notice of Errata    |
| <input type="checkbox"/> Comments                               | <input type="checkbox"/> Testimony           |
| <input type="checkbox"/> Exception                              | <input type="checkbox"/> Response / Reply    |
| <input type="checkbox"/> Exhibit(s)                             | <input type="checkbox"/> Witness List        |
| <input type="checkbox"/> Miscellaneous - Specify: _____         |  |

4-10-06  
Date

Mark Grapp  
Print name of the person who signed the document  
(i.e. Contact Person, Respondent, Attorney, Applicant, etc.)

83-05

2005-36416

Page 1 of 2

Requested By: BOARD OF SUPERVISORS

Navajo County Recorder - Laurette Justman

12-06-2005 08:45 AM Recording Fee \$0.00

**RESOLUTION NO. 83-05**

**A RESOLUTION OF THE BOARD OF SUPERVISORS OF  
NAVAJO COUNTY, GRANTING A NON-EXCLUSIVE  
FRANCHISE FOR PUBLIC UTILITY PURPOSES  
PURSUANT TO A.R.S. § 40-283 TO WATCO**

BE IT RESOLVED by the Board of Supervisors of Navajo County as follows:

Section 1. There is hereby granted to WATCO, an Arizona public service corporation, public utility or political subdivision, its successors and assigns ("Franchisee"), the right, privilege and non-exclusive franchise to construct, install, maintain and operate on, over, along, across and under the present and future public streets, avenues, alleys, highways, bridges, roads and other public ways in the unincorporated areas of Navajo County under the jurisdiction of the Board of Supervisors, all lines, pipes, cables and other facilities customarily associated with the Applicant's business of supplying water service to its customers.

Section 2. All facilities to be constructed or installed pursuant to this Franchise shall be constructed, installed and maintained in accordance with Navajo County standards, specifications and permit and insurance requirements for work within the public rights of way, as administered by the Navajo County Department of Public Works and Risk Manager.

Section 3. If any facility constructed or installed pursuant to this Franchise is found to interfere unduly with vehicular or pedestrian traffic, Franchisee shall, at its own expense and within a reasonable time after notice thereof by the Department of Public Works, remove or relocate the facility so as to eliminate the undue interference.

Section 4. Franchisee shall bear all expenses, including damage and compensation, for any alteration of the direction, surface, grade or alignment of a public road or other public way, made for the purpose of this Franchise.

Section 5. This Franchise is subject at all times to such regulations and limitations on the use of the public roads and other public ways as the Board of Supervisors may deem best for the public safety and welfare from time to time.

Section 6. If the Board of Supervisors takes action to dispose of an unnecessary public roadway pursuant to A.R.S. § 28-7201 et seq., the Board shall include in the instrument of disposal specific and appropriate language to preserve Franchisee's rights of use as they existed before the disposal.

Section 7. If Franchisee's exercise of its rights under this Franchise causes disturbance of pavement, sidewalk, driveway or other improved surface, or planting or other ground cover, Franchisee shall, at its expense, promptly restore the surface to its prior condition in a manner satisfactory to the Department of Public Works.

Section 8. If Franchisee's facilities within any public road or other public way must be permanently or temporarily relocated due to the relocation, realignment or improvement of the road or way by Navajo County or another governmental entity (including a County Improvement District), Franchisee shall cooperate fully and shall bear the expense of relocating its facilities; provided, however, that if Franchisee's facilities were originally installed before the road or way was granted to Navajo County or the public, Navajo County (or the governmental entity undertaking the relocation, realignment or improvement) shall bear the expense of relocating Franchisee's facilities.

Section 9. To the full extent permitted by law, Franchisee shall indemnify, defend and hold harmless Navajo County and its officials, employees and agents from and against any loss, claim, expense or liability arising out of Franchisee's exercise of its rights under this Franchise.

Section 10. This Franchise shall continue and exist for a period of 25 years from the date hereof.

Section 11. The right, privilege and franchise granted herein shall be binding upon and inure to the benefit of Franchisee, its successors and assigns; provided, however, that no transfer or assignment shall be made without the prior written approval of the Board of Supervisors.

Section 12. Any and all franchisees previously granted to Franchisee by the Board of Supervisors, and any and all resolutions and parts thereof that may conflict with the terms hereof, are hereby repealed.

Section 13. If any provision of this Franchise is adjudged to be invalid or unenforceable in whole or part, the remaining provisions shall not be affected.

PASSED AND ADOPTED on 12/05/05, at Holbrook, Navajo County, Arizona.

Jerry Bruner  
Chairman, Board of Supervisors

Attest:

Darlene Fraley  
Clerk of the Board

The foregoing terms and conditions are hereby accepted by Franchisee.

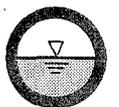
By Mark Grapp  
Title President



**APPLICATION FOR A  
WATER ADEQUACY REPORT**

**CANYON VISTA ESTATES  
Shumway, Arizona**

February 10, 2006





## Southwest Ground-water Consultants, Inc.

---

February 10, 2006

Mr. Alan Dulaney  
Arizona Department of Water Resources  
3550 N. Central Avenue  
Phoenix, AZ 85012

**SUBJECT: APPLICATION FOR A WATER ADEQUACY REPORT  
CANYON VISTA ESTATES, NAVAJO COUNTY, ARIZONA**

Dear Mr. Dulaney:

Southwest Ground-water Consultants, Inc. (SGC) is pleased to submit this Application for a Water Adequacy Report on behalf of Canyon Vista Properties, LLC for the Canyon Vista Estates subdivision located near Shumway, Arizona. The project is proposed as a single family residential subdivision consisting of 56 lots on approximately 105 acres. WATCO, Inc. has signed the Notice of Intent to Serve for the subdivision.

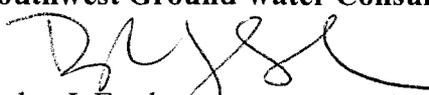
The projected water demand for the Canyon Vista Estates proposed subdivision was calculated using current (2005) WATCO customer demand in the project vicinity. The WATCO average customer (hook-up) demand is currently 233 gallons per day. Typical WATCO customer lot sizes range from 0.25 acres to 2.5 acres. As such, SGC has determined that the large lot adjustment for residential exterior demand is not warranted for Canyon Vista Estates.

Non residential water demand includes irrigation of approximately 3.45 acres of designated open space, trails, and drainage areas. Demand for these tracts was calculated by applying Prescott AMA estimates of 4.9 ac-ft/yr for turf and 1.5 ac-ft/yr for low water use landscaping. System losses were conservatively estimated at 10%, although the WATCO current systems measure only 5% loss.

Please find the enclosed Ownership and Signatory Authority Letter for Canyon Vista Properties, LLC, as well as a recent Warrantee Deed for the subject property.

If there are any questions regarding this application, please call the undersigned at (928) 771-0610.

Sincerely,  
**Southwest Ground-water Consultants, Inc.**

  
Dylan J. Easthouse

cc. Stephen D. Noel, R.G.  
SGC File B.1194

ARIZONA DEPARTMENT OF WATER RESOURCES  
OFFICE OF ASSURED & ADEQUATE WATER SUPPLY  
500 NORTH THIRD STREET  
PHOENIX, ARIZONA 85004

DATE RECEIVED:

PHONE: 602-417-2465 FAX: 602-417-2467  
www.water.az.gov

FILE NUMBER:

**APPLICATION FOR A WATER ADEQUACY REPORT**  
(Refer to application guidelines for assistance in completing this form)

**PART A – GENERAL INFORMATION**

- Name of Subdivision: Canyon Vista Estates
- Location: 12N 22E 31 Navajo  
Township Range Section(s) County
- Owner Name: Canyon Vista Properties, LLC Phone: (602) 212-8551 Fax: (602) 240-6925  
Address: PO Box 4580, Scottsdale, Arizona 85261
- Water Provider: WATCO Phone: (928) 537-8739 Fax: (928) 537-8739  
Address: PO Box 1270, Show Low, Arizona 85902
- Consultant Name Southwest Ground-water  
Consultants, Inc Phone: (928) 771-0610 Fax: (928) 771-0748  
Address: 227 N. Cortez Street, Prescott, AZ 86301
- Primary Contact: Dylan J. Easthouse Phone: (928) 771-0610 Fax: (928) 771-0748  
Address: 227 N. Cortez St., Prescott, AZ 86301

**PART B – WATER DEMAND INFORMATION**

- Include two copies of the map of the proposed subdivision plat, and reference map as an attachment:  
Attachment A Will a copy of this version of the map be submitted to the appropriate platting agency?  Yes  No  
If no, explain: \_\_\_\_\_
- Number of lots: 56 Size of lots: 1.24 acres to 3.78 acres Total Acreage: 105.13
- Projected water demand per residential lot: 233 gallons per day  
Non-Residential demands: Golf course: N/A AF/year Parks: 11.06 AF/year  
Lakes: N/A AF/year Other (specify): System Losses (10%) 2.57 AF/yr  
Total projected demand for the proposed subdivision: 28.2 acre-feet (AF) per year
- Expected year of completion (build out): 2016

### PART C - WATER SUPPLY INFORMATION

1. Please indicate source(s) of water to be used: X Groundwater \_\_\_ Surface Water other than Colorado River water \_\_\_ Colorado River water \_\_\_ Central Arizona Project water \_\_\_ Effluent  
(If the source includes non-groundwater supplies, please complete "Table A" below.)
  
2. Provide two copies of a hydrologic study, and reference the attachment: Attachment B
  
3. a. Method of water distribution: X central distribution system \_\_\_ dry lot subdivision(individual wells)  
 b. If water is to be obtained from a water provider, include a "Notice of Intent to Serve" agreement and reference the attachment: Attachment C
  
4. If any wells proposed to serve the development are within one mile of a Water Quality Assurance Revolving Fund or Superfund site, or if the proposed water supply fails to meet safe drinking water quality standards, provide a study identifying and describing this water and reference the attachment: N/A
  
5. If a "Letter of Water Availability" or "Analysis of Adequate Water supply" has previously been issued for this subdivision, provide a copy of the document and reference the attachment: N/A

Table A: Indicate water sources other than groundwater to be used:

Source of Supply	100 Year Volume (acre feet)	Required Supporting Information (reference any attached documents)
Colorado River water directly delivered		Letter from Bureau of Reclamation contract holder specifying allocation amount and commitment to serve.
Central Arizona Project water directly delivered		What is the term of the contract? Please attach a copy and reference as an attachment:
Surface Water (other than Colorado River water) directly delivered		Surface water right number(s) and type(s) or water district name:
Effluent directly delivered (for non-potable uses only)		Name of entity providing effluent: Any related contracts or agreements (attachment):
Total 100 Year Volume		

## PART D – WATER QUALITY

If the subdivision will be served by a provider regulated by the Arizona Department of Environmental Quality, you must request a report to assess the water quality of the proposed supply. Requests for compliance reports should be directed to Arizona Department of Environmental Quality (ADEQ), Drinking Water Compliance Unit (telephone 602-771-4624), or for areas of Maricopa County that are located outside the boundaries of the Phoenix Active Management Area, contact Maricopa County Environmental Services (telephone 602-506-6666). For new providers, please provide the initial source approval sampling results. For a dry lot subdivision, please provide water quality data from on-site or from nearby sources, usually wells, equivalent to initial source approval data. It may be necessary for the applicant to provide further information in order for ADWR to determine the quality of the proposed supply. If the proposed subdivision is located within one mile of a Water Quality Assurance Revolving Fund or Superfund site, or if the proposed supply fails to meet safe drinking water quality standards, the source of the water which does not meet standards must be identified and a contaminant migration analysis must be submitted.

Reference either the attached study or a copy of a previous determination of water quality: Attachment D

**PART E-FEES**

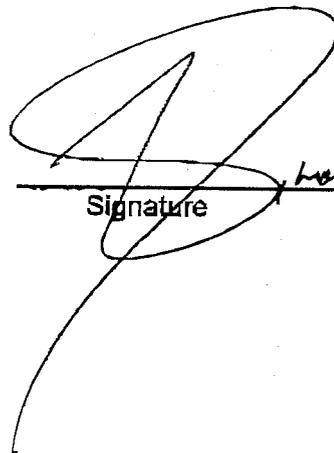
Please calculate fees by complete the appropriate items below, and include the total fees with your application. Payment may be made by cash, check or by entry in an existing fee credit account. Checks should be made payable to the Department of Water Resources. Failure to enclose the required fees will cause the application to be returned. Fees for water adequacy reports are authorized by A.R.S. § 45-113.

1.	Basic Application fee (includes first 20 lots)		<b><u>\$200.00</u></b>
2.	Per-lot review fee (for lots in excess of the first 20):		
	Total lots in this application	<u>56</u>	
	Less first 20 lots	<u>-20</u>	
	Lots subject to additional review fees	<u>36</u> x .50 per lot:	<b><u>\$ 18.00</u></b>
3.	Subtotal (add items #1 and #2 -- maximum of \$800.00)		<b><u>\$ 218.00</u></b>
4.	Credit for prior determination of physical availability 0.20 x subtotal (#3)		<b>\$ _____</b>
5.	<b>TOTAL FEE DUE</b> (Subtract #4 from #3)		<b><u>\$ 218.00</u></b>

**OWNER CERTIFICATION**

I DO HEREBY certify that the information contained in this application and all information accompanying it is true and correct to the best of my knowledge and belief.

*Concha Vista Properties LLC*  
CALY CAL VISTA PROPERTIES, LLC  
Owner Name (Please type or print)

  
Signature

2/7/06  
Date

**CANYON VISTA ESTATES**

---

P.O. Box 4580  
SCOTTSDALE, ARIZONA 85261

(602) 212-8551 FAX (602) 240-6925

December 7, 2005

Mr. Chris Catalano  
Southwest Groundwater Consultants, Inc.  
227 N. Cortez Street  
Prescott, AZ 86301

Re: Canyon Vista Estates

Dear Catalano:

Canyon Vista Properties, LLC ("Canyon Vista") is the owner of Canyon Vista Estates, a legal description of which is enclosed in this letter. I am the Managing Member of Canyon Vista and am authorized to bind Canyon Vista in all contractual matters.

If you have any questions, please do not hesitate to contact me.

Sincerely,

**CANYON VISTA ESTATES**

  
T. Michael Daggott -  
Managing Member

TMD:amh  
Enclosure

2003-28643

Page 1 of 4

Requested By: TRANSNATION TITLE  
Navajo County Recorder - Laurette Justman  
11-06-2003 04:25 PM Recording Fee \$16.00

**RECORDING REQUESTED BY**  
Transnation Title Insurance Company  
**AND WHEN RECORDED MAIL TO:**  
  
CANYON VISTA PROPERTIES, LLC  
1850 N. CENTRAL AVE., #2100  
PHOENIX, AZ 85004

ESCROW NO.: 01306141 - 283 - LS2

SPACE ABOVE THIS LINE FOR RECORDER'S USE

### Warranty Deed

For the consideration of Ten Dollars, and other valuable considerations, I or we,  
Larry Pew and Susan Pew, husband and wife and Monty Reidhead, a married man, as his sole and separate property  
do/does hereby convey to

Canyon Vista Properties, LLC, an Arizona Limited Liability  
the following real property situated in Navajo County, ARIZONA:

**SEE LEGAL DESCRIPTION ATTACHED HERETO AND MADE A PART HEREOF**

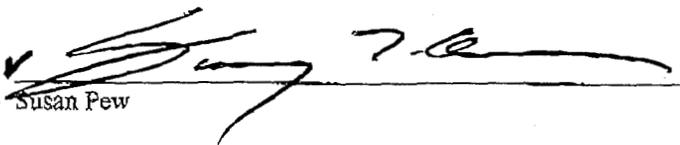
SUBJECT TO: Current taxes and other assessments, reservations in patents and all easements, rights of way, encumbrances,  
liens, covenants, conditions, restrictions, obligations, and liabilities as may appear of record.

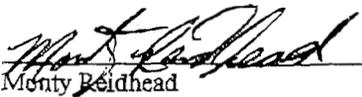
And I or we do warrant the title against all persons whomsoever, subject to the matters set forth above.

Dated October 24, 2003

**SELLERS:**

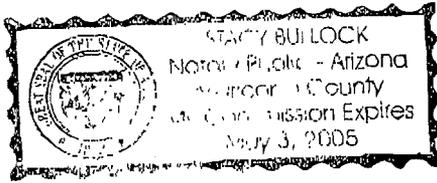
  
\_\_\_\_\_  
Larry Pew

  
\_\_\_\_\_  
Susan Pew

  
\_\_\_\_\_  
Monty Reidhead

Escrow No.: 01306141 - 283 - LS2

State of Arizona  
County of Maricopa } SS

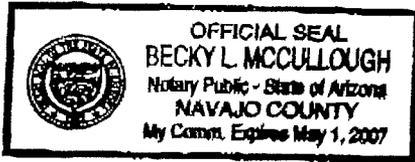


This instrument was acknowledged before me this 29<sup>th</sup>  
day of October, 2003 by **Larry Pew and Susan Pew.**

Mary Bullock  
Notary Public

My commission will expire May 3, 2005

State of Arizona  
County of Maricopa - Navajo } SS



This instrument was acknowledged before me this 30  
day of October, 2003 by **Monty Reidhead.**

Beckyl McCullough  
Notary Public

My commission will expire May 1, 2007

**EXHIBIT "A"**

A parcel of land lying and being situated within a portion of Section 31, Township 12 North, Range 22 East, of the Gila and Salt River Base and Meridian, Navajo County, Arizona, and being more particularly described as follows:

Based on the East half of the South line of said Section 31, between a ½ inch rebar with plastic cap stamped RLS 15197 and marked stone in a cairn monumenting the Southeast corner of said Section 31 and a 1 ½ inch iron pipe with aluminum cap stamped LS 5047 monumenting the South quarter corner of said Section 31, bearing South 89 degrees 26 minutes 30 seconds West, and all bearings contained herein relative thereto, thence;

COMMENCING at the Southeast corner of said Section 31, said point being monumented by a ½ inch rebar with plastic cap stamped RLS 15197 and marked stone in a cairn;

Thence South 89 degrees 26 minutes 30 seconds West a distance of 2647.17 feet to the South quarter corner of said Section 31;

Thence North 00 degrees 31 minutes 44 seconds East, a distance of 1815.00 feet to a ½ inch rebar with plastic cap stamped RLS 15197;

Thence South 89 degrees 57 minutes 00 seconds West a distance of 1348.57 feet to a 5/8 inch rebar with brass cap stamped RLS 15328 and the TRUE POINT OF BEGINNING;

Thence South 89 degrees 57 minutes 00 seconds West a distance of 372.90 feet to a 5/8 inch rebar with aluminum cap stamped LS 13005 and the Southwest corner of the herein described parcel;

Thence North 00 degrees 07 minutes 48 seconds East a distance of 2046.44 feet to a 5/8 inch rebar with aluminum cap stamped LS 13005 and the Northwest corner of the herein described parcel;

Thence North 89 degrees 54 minutes 09 seconds East a distance of 372.90 feet to a 5/8 inch rebar with brass cap stamped RLS 15328;

Thence North 89 degrees 54 minutes 09 seconds East a distance of 1819.87 feet to a 5/8 inch rebar with brass cap stamped RLS 15328;

Thence North 33 degrees 57 minutes 18 seconds East a distance of 224.21 feet to a 5/8 inch rebar with brass cap stamped RLS 15328, and a point on the Southwesterly right of way line of County Road 320;

Thence South 21 degrees 57 minutes 45 seconds East, along said Southwesterly right of way line of County Road 320, a distance of 200.00 feet to a 5/8 Inch rebar with brass cap stamped RLS 15328, and the Northeast corner of the herein described parcel;

Thence South 00 degrees 07 minutes 48 seconds West a distance of 2140.59 feet to a calculated point on the centerline of Silver Creek, and the Southeast corner of the herein described parcel;

**EXHIBIT "A"**  
**(Continued)**

Thence North 67 degrees 32 minutes 54 seconds West, along said centerline of Silver Creek, a distance of 30.49 feet to a calculated point;

Thence North 57 degrees 32 minutes 35 seconds West, along said centerline of Silver Creek, a distance of 287.21 feet to a calculated point;

Thence North 53 degrees 23 minutes 43 seconds West, along said centerline of Silver Creek, a distance of 126.16 feet to a calculated point;

Thence North 50 degrees 20 minutes 01 seconds West, along said centerline of Silver Creek, a distance of 199.60 feet to a calculated point;

Thence North 67 degrees 56 minutes 41 seconds West, along said centerline of Silver Creek, a distance of 82.51 feet to a calculated point;

Thence North 82 degrees 59 minutes 16 seconds West, along said centerline of Silver Creek, a distance of 146.45 feet to a calculated point;

Thence North 80 degrees 23 minutes 14 seconds West, along said centerline of Silver Creek, a distance of 358.43 feet to a calculated point;

Thence South 77 degrees 46 minutes 27 seconds West, along said centerline of Silver Creek, a distance of 162.81 feet to a calculated point;

Thence South 36 degrees 51 minutes 27 seconds West, along said centerline of Silver Creek, a distance of 99.89 feet to a calculated point;

Thence South 56 degrees 47 minutes 57 seconds West, along said centerline of Silver Creek, a distance of 130.88 feet to a calculated point;

Thence South 23 degrees 01 minutes 46 seconds West, along said centerline of Silver Creek, a distance of 223.56 feet to a calculated point;

Thence South 89 degrees 56 minutes 52 seconds West, along said centerline of Silver Creek, a distance of 16.00 feet to a 5/8 inch rebar with brass cap stamped RLS 15328;

Thence South 89 degrees 57 minutes 00 seconds West, a distance of 478.57 feet to the TRUE POINT OF BEGINNING.

# HYDROLOGIC STUDY

**Canyon Vista Estates**  
Shumway, Arizona

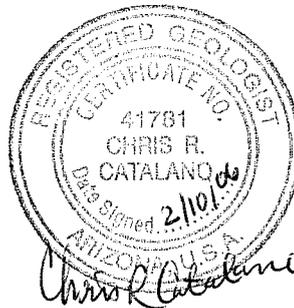
Prepared for:

**Canyon Vista Properties, LLC**  
PO Box 4580  
Scottsdale, AZ 85261

Prepared by:

**Southwest Ground-water Consultants, Inc.**  
227 North Cortez  
Prescott, Arizona 86301

February 10, 2006



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## 1.0 INTRODUCTION

The following hydrologic study has been prepared by Southwest Ground-water Consultants, Inc. (SGC) for the proposed Canyon Vista Estates (CVE) subdivision located near Shumway, Arizona. The proposed project is a single-family residential subdivision consisting of 56 dwelling units on approximately 105 acres. The project is located in a portion of Section 31, Township 12 North, Range 22 East of the Gila and Salt River Base and Meridian, in Navajo County, Arizona (Figure 1).

A purpose of this hydrologic study is to evaluate the current and committed demand of the water company that will supply the water to the proposed Canyon Vista Estates subdivision. The water company that will serve the proposed project is WATCO, Inc. Another purpose of this study is to assess the ground-water resources available to the water company, and the hydrogeologic environment in which the ground water is stored.

This report has been organized into seven sections. Section 2.0 includes a discussion of the current WATCO water system. Section 3.0 consists of a discussion of the current, committed, and projected demands. A hydrogeologic review of the source aquifer and a discussion of WATCO wells are presented in Section 4.0. The calculated impact on the ground-water from the proposed development is presented in Section 5.0. Conclusions are presented in 6.0. References cited throughout this report are listed in Section 7.0.



## 2.0 WATCO WATER COMPANY

WATCO, Inc. (WATCO) currently serves water to approximately 280 customers via two central distribution systems each consisting of one well and one storage reservoir. The proposed Canyon Vista Estates subdivision is located approximately 7.5 miles northwest of the current WATCO service area. WATCO is currently waiting for the Arizona Corporation Commission (ACC) to approve the expansion of their service area to include the proposed Canyon Vista Estates subdivision. A recently drilled production well (55-901337) installed at Canyon Vista Estates, Tract D will supply drinking water to a new central distribution system and storage reservoir to be constructed on the property. Well 55-901337 will also serve the proposed Cedar Mesa Ridge subdivision, which is located approximately one mile to the northeast. The location of the existing WATCO service area and wells, along with the boundary of the new service area to include Canyon Vista Estates, is shown in Figure 1.

WATCO currently operates two water systems (PWS 09-049, and PWS 09-027), each of which consist of one water production well and one water storage reservoir. The locations of these wells and the storage reservoirs are presented in Figure 1. Selected well information from the ADWR database for the two WATCO wells, along with the Canyon Vista Estates well (55-901337), is presented in the following table.

WELL #	ADWR 55#	Depth (feet bgs)	Pumping Rate (gpm)	Static Water Level (feet bgs)
1	603156	525	57	200
2	506606	440	31	215
3	901337	460	200	232

Currently, WATCO maintains a 100,000 gallon storage reservoir at Silver Lake Estates, and a 25,000 storage reservoir at Bourdon Ranch. A 120,000 gallon storage tank has been designed to be located at the Canyon Vista Estates well site (Tract D).



## **3.0 WATER DEMAND**

### **3.1 WATCO CURRENT DEMAND**

WATCO wells pumped a total of 23,814,000 gallons (73.1 ac-ft) of ground water in 2004. Approximately 23,000,000 gallons (70.6 ac-ft) of water were provided to 280 water meters and an estimated 600 people within their service area in 2004. The majority of water meters are connected to single-family residential dwellings.

The WATCO two existing water production wells primarily serve customers in the Bourdon Ranch and Silver Lake Estates subdivisions. The ADWR well registration numbers for these wells are 55-506606, and 55-603156, respectively. Each well supplies a separate water system. A temporary inter-connect is installed between the two systems during the peak season that allows the Bourdon Ranch well to augment the Silver Lake Estates system. WATCO has been approved for funding from Water Infrastructure and Finance Authority of Arizona (WIFA) to construct a permanent connection between these two systems.

The water supply for the proposed Canyon Vista Estates subdivision will be supplied water from a new water production well recently constructed on Tract D of the subdivision. WATCO has initiated application with the Arizona Corporation Commission (ACC) to establish a satellite service area comprised of approximately 800 acres and inclusive of the Canyon Vista Estates property. The production well to serve Canyon Vista Estates, and the new service area of WATCO, are shown in Figure 1. The ADWR well registration number of the Canyon Vista Estates well is 55-901337.

### **3.2 WATCO COMMITTED DEMAND**

The water production well and storage reservoir to be operated by WATCO, and used to supply water to the proposed Canyon Vista Estates subdivision, will also provide water to the proposed Cedar Mesa Ridge subdivision. Cedar Mesa Ridge is located directly adjacent, and northeast of Canyon Vista Estates. It is comprised of 54 single family residential lots on approximately 108 acres. The estimated residential and non-residential demand for Cedar Mesa Ridge is estimated to be 33.34 ac-ft/yr.

### **3.3 CANYON VISTA ESTATES DEMAND**

The Canyon Vista Estates subdivision will consist of 56 single-family residential dwelling units, three tracts reserved for open space or drainage, and one tract reserved for the water production facilities, on a total of approximately 105 acres. Residential water demand for Canyon Vista Estates was calculated by using actual consumption quantities provided by WATCO for 2004. The average unit demand of WATCO is currently 233 gallons per day per hookup. Applying this rate to the 56 proposed dwelling units, the estimated residential water demand for the Canyon Vista Estates subdivision is 14.6 ac-ft/yr.



Open space in Canyon Vista Estates totals approximately 3.45 acres. These tracts of land have been conservatively estimated to be landscaped with turf and low water used plants. Using demand estimates from the Prescott Active Management Area (AMA), the yearly demand for 1.72 acres of turf is 8.45 ac-ft. The yearly demand for 1.73 acres of low water use plants is 2.58 ac-ft. Therefore, the total exterior demand for Canyon Vista Estates is 11.03 ac-ft/yr.

The total demand for Canyon Vista Estates is calculated by adding the estimated residential demand and the exterior non-residential demand with an estimated system loss of 10%. As such, the total water demand for the proposed Canyon Vista Estates subdivision is estimated to be 28.2 ac-ft/yr. Based on the estimated water demand, approximately 18 gallons per minute (gpm) will be required to supply the subdivision at build-out.



## 4.0 WATER SUPPLY

### 4.1 GEOLOGIC STRUCTURE

The project is located in the Little Colorado River Basin in the southern portion of the Colorado Plateau physiographic province. The Colorado Plateau can be described in general terms as a series of Paleozoic sedimentary rock units overlain by Tertiary to Quaternary alluvium, basalts, and volcanic rocks. During the Laramide orogeny, the Colorado Plateau experienced regional uplift, compression, and erosion. Evidence of this, and continued regional extension due to Basin and Range province tectonics, is seen by the presence of extensive faults, joints, and folds in the Little Colorado River Basin (Hart et al, 2002). Movement of ground water in the basin, and in the project vicinity in particular, is strongly influenced by these structural features. Tectonic stresses during the Laramide orogeny produced large folds that have been mapped in the Snowflake-Shumway region (Figure 2).

Sandstone, limestone, and conglomerate comprise the dominant water-bearing rocks in the Little Colorado Basin. Aquifer systems in the sedimentary sequences of particular importance in the basin are: (1) the D aquifer (Dakota Sandstone, Morrison Formation, and Entrada Sandstone), (2) the N aquifer (Navajo Sandstone, Kayenta Formation, and Wingate Sandstone, and (3) the C aquifer (Kaibab Formation, Coconino Sandstone, Schnebly Hill Formation, and Supai Group). In the Snowflake-Taylor area, the C aquifer, in particular the Coconino Sandstone, is the primary aquifer and is thus the focus of this study. (Hart et al, 2002)

The Coconino Sandstone is the principal water-bearing unit of the C aquifer, and is unconfined in most of the area. It is also hydraulically connected to the underlying Schnebly Hill Formation and/or Supai Formation, and the overlying Kaibab Limestone. It is described as a fine to medium grained quartz sandstone, light yellowish gray to pale orange, with generally well sorted, subangular to rounded, and frosted grains that are cemented by quartz, iron oxide, and calcite (Mann, 1976). Large-scale cross bedding is commonly exhibited in outcrops of the Coconino Sandstone, and beds up to 900 feet thick have been reported near Winslow (ADWR, 1989). It is laterally extensive in the Little Colorado River Basin, and is described to generally conform to the surface-water drainage of the basin (Hart et al, 2002). Ground water in the Snowflake-Taylor area is primarily found in the Coconino Sandstone.

### 4.2 STRUCTURE

The geologic structure in the area is dominated by large scale folds that formed during the Laramide orogeny. The Holbrook Anticline and Dry Lake Syncline trend northwest-southeast, perpendicular to the direction of primary tectonic stress, have been mapped from south of Mesa Redonda to an area northwest of Zeniff (Figure 2). A regional cross section running south to north through the proposed subdivision is presented in Figure 3. Figure 4 shows the elevation of the top of the Coconino Sandstone, which in the project vicinity is approximately 300 feet below



ground surface (ft-bgs). Based on review of the cross section, the Coconino Sandstone is the shallowest significant water bearing unit of the regional aquifer underlying the study area.

### 4.3 HYDROLOGY

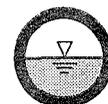
Locations of selected wells from the ADWR well registry database are presented on Figure 5. A copy of the ADWR Well Registry for these wells is presented in Appendix A. Selected Well Driller Reports in the project vicinity and study area are presented in Appendix B. Most wells in the project vicinity are constructed in the Coconino Sandstone aquifer. Very few wells in the region are drilled to sufficient depth to fully penetrate the Coconino Sandstone, which is estimated to be approximately 400 feet thick in the Snowflake-Taylor area.

Well 55-901337 was completed at Canyon Vista Estates by McCray Well Drilling Company Inc. in early 2005 (Figure 5, Map ID #168). Based on review of the Well Driller Report for this well (Appendix B), well 55-901337 penetrates the Coconino Sandstone from approximately 340 feet below ground surface (ft-bgs) to 460 ft-bgs. The total boring and casing depth of well 55-901337 is 460 ft-bgs, and is installed with perforations from 380 ft-bgs to 460 ft-bgs. According to the Well Driller Report, water level in well 55-901337 in early 2005 was 232 ft-bgs.

Ground-water flow in the Snowflake-Taylor region is to the north, away from a ground-water divide underlying the Mogollon Rim, and toward the Little Colorado River (Figure 7). Recharge to the C aquifer occurs principally from precipitation, and infiltration from streamflow that occurs primarily on the flanks of the Mogollon Rim where fractured Kaibab Formation, Coconino Sandstone, and Supai Group are exposed. Mann (1976) reports that recharge to the regional aquifer occurs along Silver Creek north of Snowflake. The aquifer system discharges some water to springs and wells as it moves northward away from the Mogollon Rim, but most leaves as underflow. Regional dip of the sedimentary rocks in which the ground water is found is the primary controlling factor in the movement of ground water across the study area. (Mann, 1976)

Ground-water elevation across the proposed Canyon Vista Estates subdivision is approximately 5,700 feet above mean sea level (ft-amsl) (Figure 6). Depth to ground water in well 55-901337, which penetrates the Coconino aquifer and is located in Canyon Vista Estates, is approximately 232 ft-bgs (2005). The ADWR GWSI database records indicate a water level in 2001 of 105.72 ft-bgs in a well located approximately 2 miles north of the subject property which also penetrates the Coconino Sandstone. Differences in surface elevation; proximity to structural highs; confined or unconfined ground water conditions; or percent of aquifer penetration can explain differences in depth to water in the region. In the area of the Dry Lake Syncline, between Snowflake and Shumway, artesian wells are not uncommon (Mann, 1976).

Historically, ground-water levels of the Coconino Sandstone aquifer in the region have been declining due to localized ground-water development for agricultural and industrial purposes. Agricultural practices in the Snowflake-Shumway areas obtain water directly from pumping ground water, or from flowing wells and springs that discharge into Silver Creek. Agricultural



ground-water development increased from 4,500 ac-ft/year in 1953 to 13,300 ac-ft in 1972. The Snowflake Paper and Pulp Mill well field northwest of Taylor pumped an additional 9,350 ac-ft in 1972. Combined with increasing domestic needs, ground-water level declines of 5 to 50 feet were recorded between 1951 and 1973 in the Snowflake-Shumway area. (Mann, 1976)

The ADWR GWSI database was queried for historic water level data in the region. Wells with historic water level data were used to determine long term water level trends in the project vicinity. The location of these wells is plotted in Figure 6, along with ground-water contours generated from water levels measured in 2001. A hydrograph presenting the water level measurements from these wells is presented in Figure 7. Based on review of Figure 7, water levels in the Town of Snowflake and Taylor have been declining since 1957 at a rate of approximately 1.1 ft/year. However, well A (12-22) 19add, located approximately 2 miles north of the project, shows an average rise of 0.22 ft/year in measured water levels in the same period of record.

#### 4.4 AQUIFER CHARACTERISTICS

There are limited aquifer test data for wells in the project area. Significant differences in lithology and fracturing of the C aquifer across the Little Colorado River Basin result in a wide range of transmissivity and hydraulic conductivity values throughout the region. In central Apache County, transmissivity values of the C aquifer range from 940 to 9,100 ft<sup>2</sup>/day (Mann and Nemecek, 1983). Transmissivity values of 1.34 to 4,690 ft<sup>2</sup>/day have been reported by the USGS for wells in the vicinity of Flagstaff (Bills and others, 2000). In the Snowflake-Taylor area, numerous wells that sufficiently penetrate the Coconino Sandstone and are properly constructed, have consistently yielded 500 to 2,800 gallons per minute (gpm) (Mann, 1976).

Snowflake Municipal Water Company (SMWC) wells located approximately 8 miles north of Canyon Vista Estates are equipped to pump between 425 and 1,200 gpm. Short term aquifer tests conducted in wells installed in the Coconino Sandstone in the Town of Snowflake and vicinity suggest a transmissivity of the Coconino Sandstone to be in excess of 75,000 gpd/ft. Specific capacities for the Coconino Sandstone in the vicinity of the Town of Snowflake range from 20 to 113 gpm/ft (USGS, 2002). Based on aquifer test data (SGC, 2005), the portion of Coconino Sandstone penetrated by SMWC Well 4 has a specific capacity of 35 gpm/ft. The Pump Installation Completion Report (Appendix B) for the Canyon Vista Estates well (55-901337) reports that during a seven (7) hour aquifer test at 200 gpm, drawdown was 10 feet.

Mann (1979) reported the storage coefficient for the C aquifer under confined conditions to be 0.0009. Work by others (Skibitzke and Bowen, 1983) determined the C aquifer to have a storage coefficient of 0.07 when unconfined. Review of the regional cross-section (Figure 3), and static water level in Canyon Vista Estates well (55-901337) approximately 100 feet above the top of the Coconino Sandstone, suggests that the Coconino Sandstone is confined in the project vicinity.



Based on review of the existing aquifer characteristic data for the Coconino Sandstone, SGC has used a transmissivity value of 40,000 gpd/ft and a storage coefficient of 0.001 for the impact calculations in this report.

#### 4.5 GROUND-WATER QUALITY

In general, ground water in the study area is of suitable chemical quality for potable use. Water in the Moenkopi Formation is generally high in total dissolved solids and wells which are drilled into the Coconino Sandstone and left open to the Moenkopi contain high concentrations of sodium, sulfate, and chloride. In addition, water moving upward through units of the Supai Formation may dissolve evaporite deposits found therein which may degrade the water quality of the Coconino Sandstone aquifer (Akers, 1964). The Coconino Sandstone aquifer in the Snowflake-Taylor area generally contain less than 350 mg/l of dissolved solids and is considered a calcium magnesium bicarbonate type (Mann, 1976).

Ground-water quality from the existing WATCO wells meets current Environmental Protection Agency (EPA) Drinking Water Standards. A current Compliance Status Report for the two existing WATCO public water systems, and recently conducted New Source Approval sampling results from the Canyon Vista Estates well (55-901337), are presented in Appendix C.



## 5.0 IMPACT OF PROPOSED DEMAND ON SUPPLY

The impact on the regional aquifer from pumping the projected maximum water demand has been estimated based on current demand estimates and calculated aquifer coefficients. As previously reported in Section 3.3, the estimated total additional water demand is 18 gpm. SGC has made several assumptions to complete the estimated impact. These assumptions are presented below.

1. The transmissivity of the aquifer penetrated by the Canyon Vista Estates well that will supply the proposed subdivision was estimated by using information stated in the Pump Installation and Completion Report for the well.
2. The coefficient of storage was estimated based on aquifer conditions and material.
3. The total additional water demand of 18 gpm will be pumped from one well.

The impact of pumping the estimated volume of ground water to supply the proposed Canyon Vista Estates subdivision from well 55-901337 has been approximated by applying the Theis non-equilibrium method (1935) as presented below.

Where:	$s = [114.6 (Q) W(u) / T]$	(1)
	$u = 1.87 r^2 S / Tt$	(2)
Given:	$s$ = drawdown at the production well at radius $r$ (feet). $Q$ = constant discharge from the production well (18 gpm). $T$ = transmissivity of the regional aquifer (40,000 gpd/ft). $W(u)$ = well function. $u$ = $1.87 r^2 S / Tt$ $r$ = radius from the production well of calculated $s$ at time $t$ (0.33 ft). $S$ = Coefficient of storage (0.001 dimensionless, estimated based on aquifer material and well yield) $t$ = time since pumping started (36500 days, 100 years).	
Substituting:	$u = 1.87 (0.33 \text{ ft})^2 (0.001) / (40,000 \text{ gpd/ft}) (36500 \text{ d})$ $u = 1.395 \times 10^{-13}$	
Therefore:	$W(u) = 29.02$ (from well function tables)	
and:	$s = [114.6 (18 \text{ gpm}) (29.02) / 40,000 \text{ gpd/ft}]$ $s = 1.50 \text{ feet}$	

The maximum drawdown after 100 years of pumping was calculated using the Theis non-equilibrium equation (Theis, 1935). The drawdown was calculated at a radius of 4 inches (0.33 foot) from the center of the well. The resulting maximum drawdown after 100 years of pumping was calculated to be 1.50 feet.

A range of projected drawdown values based on storage coefficients of 0.01 to 0.0001 was calculated in order to evaluate the sensitivity of the assumed coefficient of storage value of 0.001. The resulting drawdown values at the well, following the above conditions, are 1.39 feet to 1.62 feet, respectively.



Based on the saturated thickness of the portion of the regional aquifer that has been penetrated by well 55-901337, the estimated thickness of the Coconino Sandstone (400 feet), the available test data, and the above analyses and drawdown projections, the regional aquifer has excess capacity to yield groundwater to wells in order to meet the projected demand.

The depth to water after 100 years of pumping was calculated by adding the depth to water measured in well 55-901337 to the drawdown that was calculated for the additional pumping required for the proposed Canyon Vista Estates subdivision plus the simulated water level decline trend (0 ft/yr) plus the committed demand to the Cedar Mesa Ridge subdivision. The 100-year depth to water calculation is shown below.

Static Water Level (Well 55-901337, 2005)	232 feet
Canyon Vista Estates Subdivision*	2 feet
100-Year Ground-water Decline @ -0.0 ft/yr**	0 feet
Cedar Mesa Ridge Subdivision ***	2 feet
<b>Mesquite Springs 100-Year Depth to Water</b>	<b>236 feet</b>

\* An aquifer impact of 2 feet was used in the calculation although the calculated impact was 1.50 feet.

\*\* 100-year decline rate of 0 ft/yr was assigned to the impact analysis in order to be conservative. Historical ground-water levels in the project vicinity have been observed to be rising by 0.22 feet per year.

\*\*\* An aquifer impact of 2 feet was used in the calculation although the calculated impact was 1.2 feet.



## 6.0 CONCLUSIONS

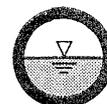
Southwest Ground-water Consultants, Inc. (SGC) has completed this hydrologic study in support of the Application for a Water Adequacy Report for the proposed Canyon Vista Estates subdivision located near Shumway, Arizona. Based on this study, SGC has made the following conclusions.

1. A new water production well operated by WATCO, Inc. will provide water to the proposed Canyon Vista Estates subdivision through a central distribution system.
2. The source aquifer in the area of the proposed subdivision is the Coconino Sandstone.
3. The existing infrastructure and pumping capacity of the one supply well has capacity in excess of the current, committed, and future demands.
4. Water quality for each of the WATCO wells, and Canyon Vista Estates well 55-901337, meets current EPA drinking water standards.
5. The 100-year depth to static water level will not exceed 1,200 feet below ground surface.



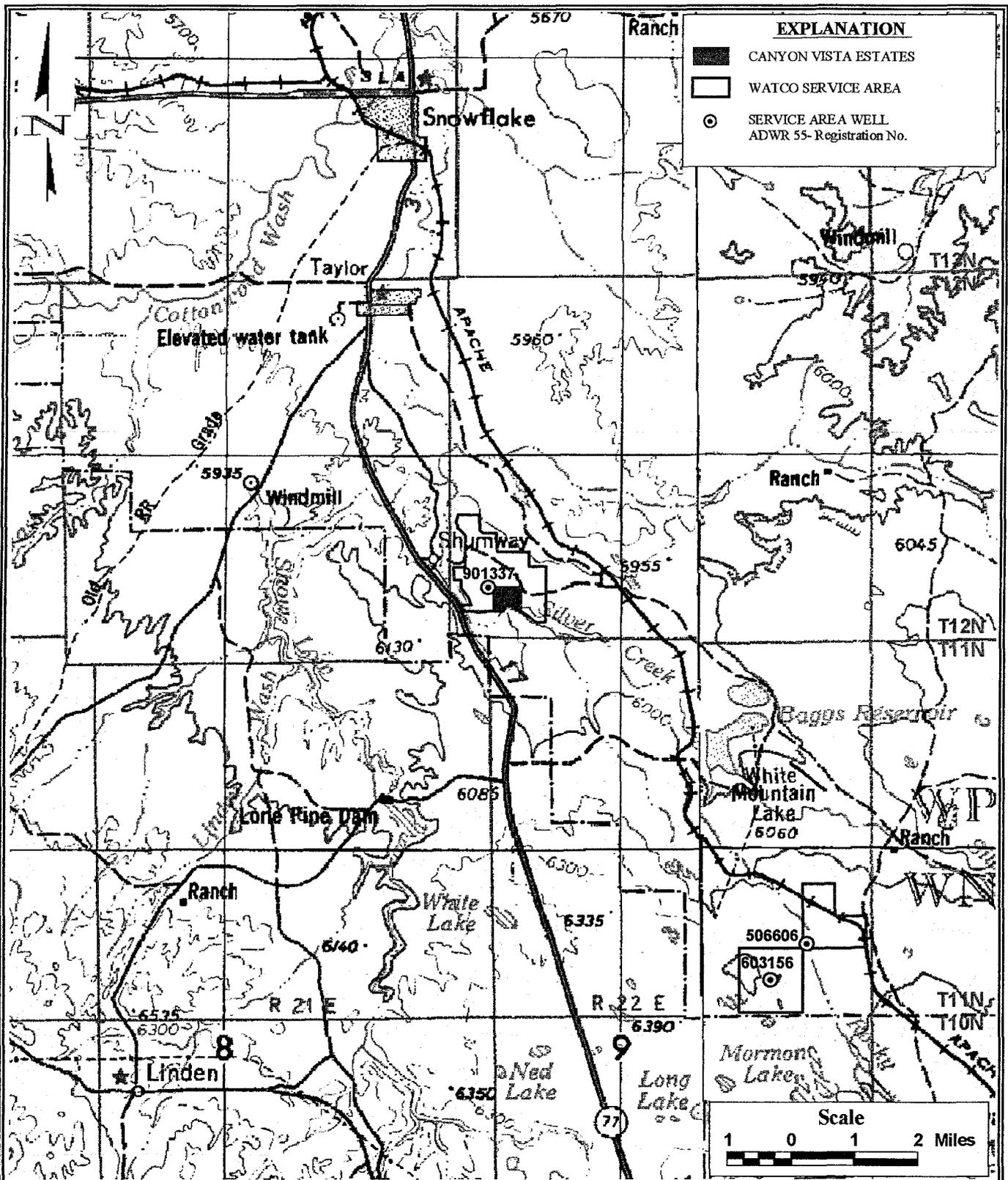
## 7.0 REFERENCES

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- Skibitzke, H. E., and Bowen, R. A., 1983, Model of the ground-water system near Coronado Generating Station in southern Apache County, Arizona: prepared for Salt River Project.
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**FIGURES**





Southwest Ground-water



Consultants, Inc.

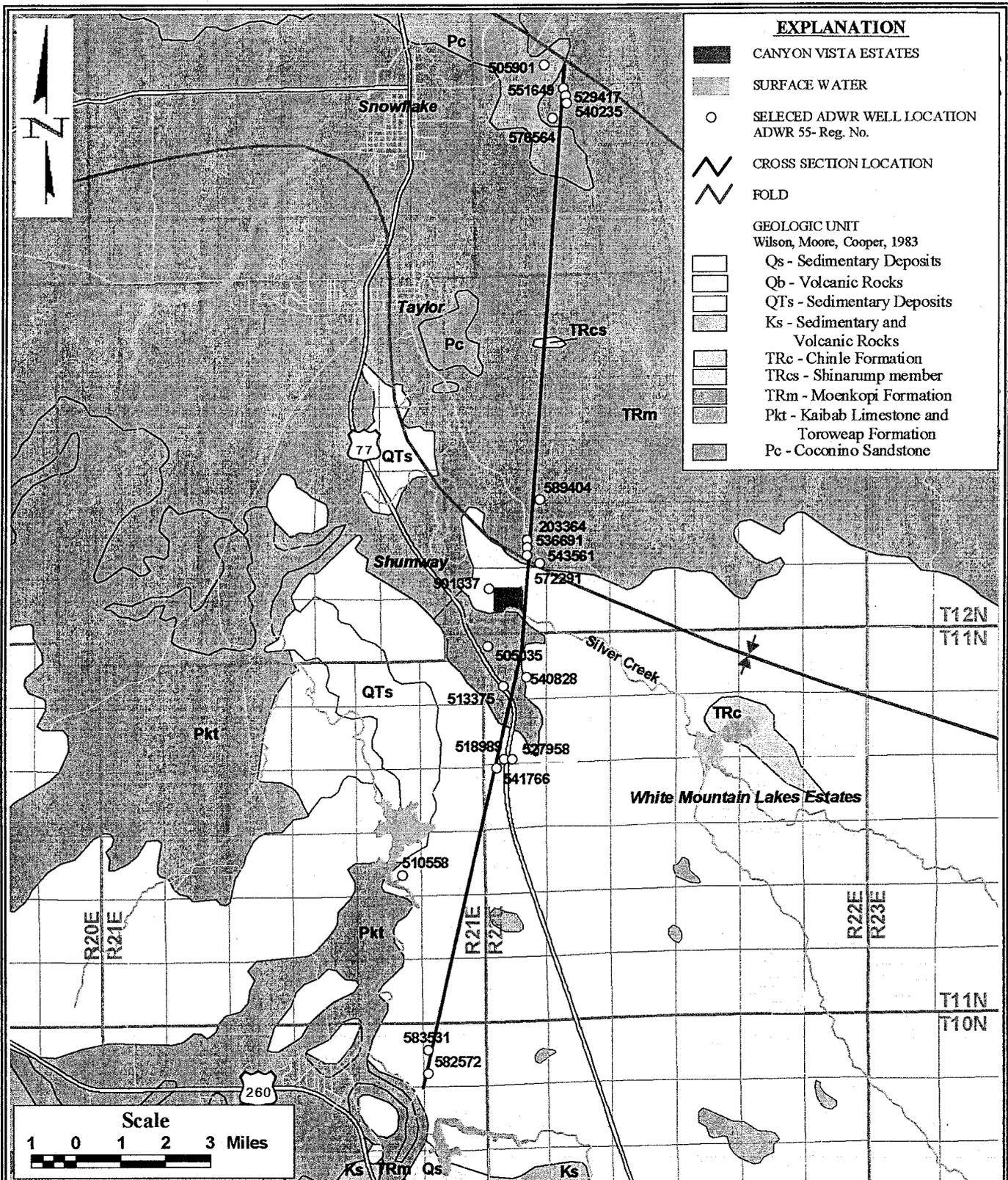
February 9, 2006 Project B.1194

LOCATION MAP

Canyon Vista Estates, Navajo County, Arizona

Figure

1



Southwest Ground-water



Consultants, Inc.

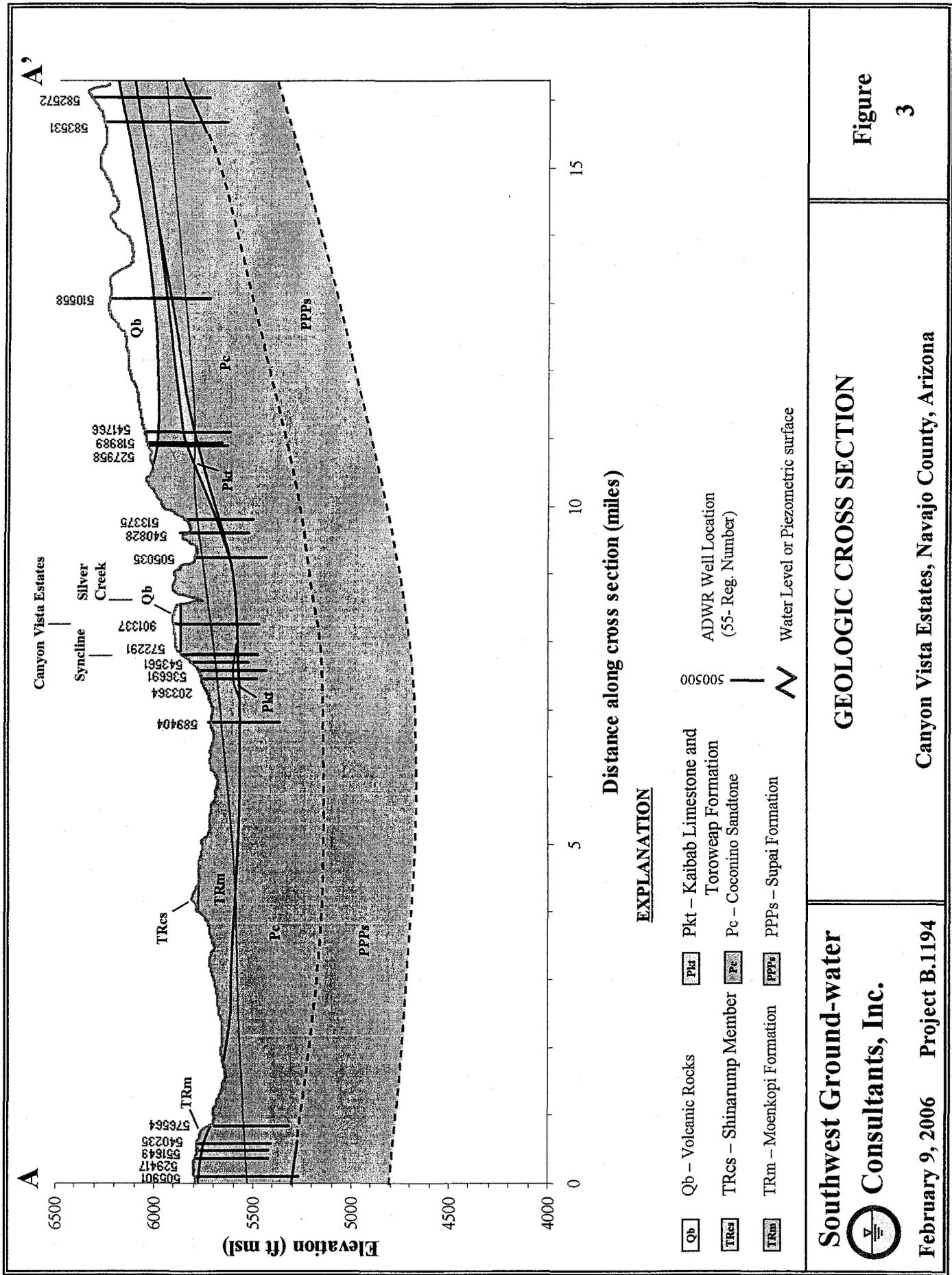
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**GEOLOGY MAP**

Canyon Vista Estates, Navajo County, Arizona

**Figure**

**2**



**Southwest Ground-water Consultants, Inc.**

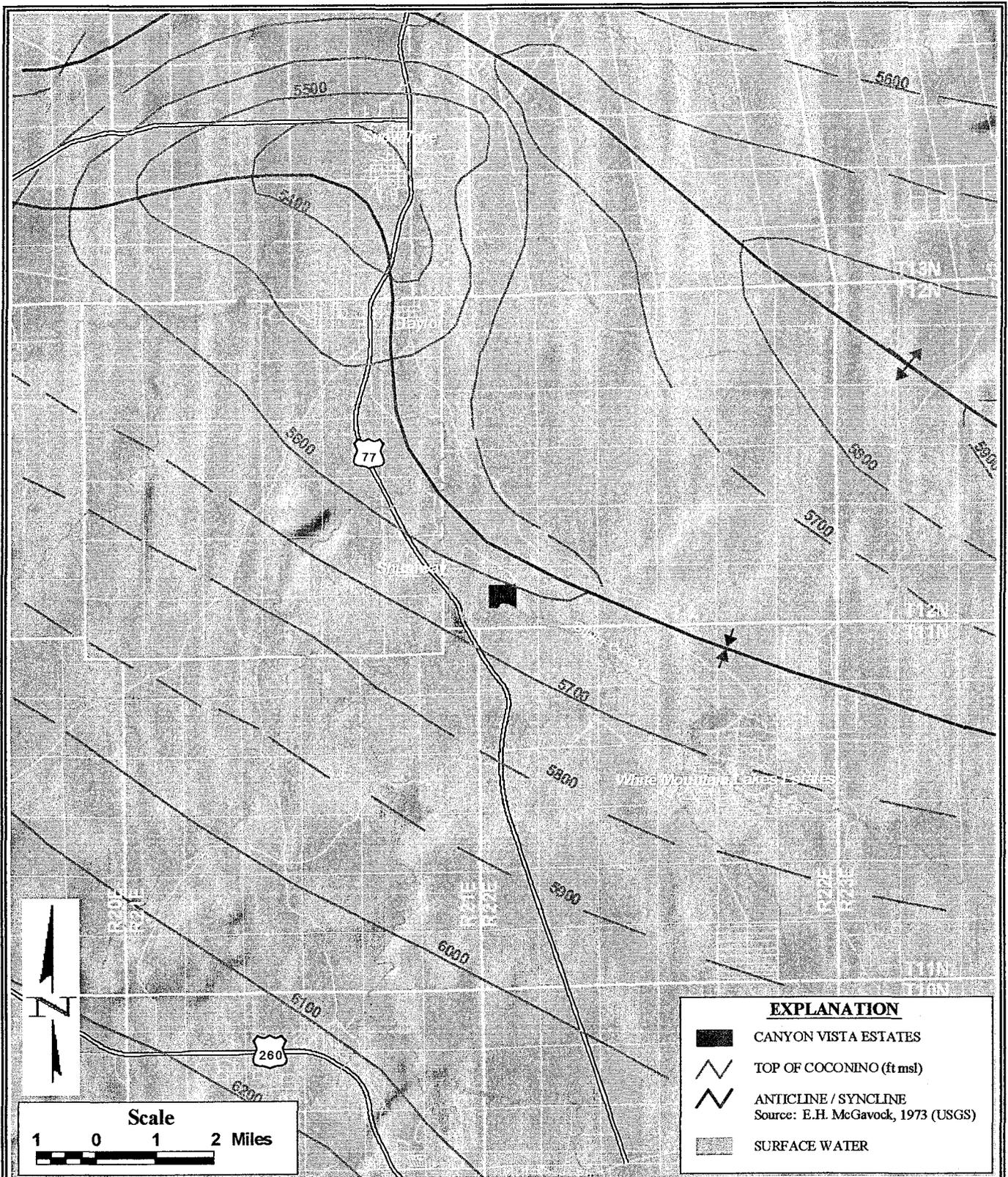
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**GEOLOGIC CROSS SECTION**

Canyon Vista Estates, Navajo County, Arizona

Figure

3

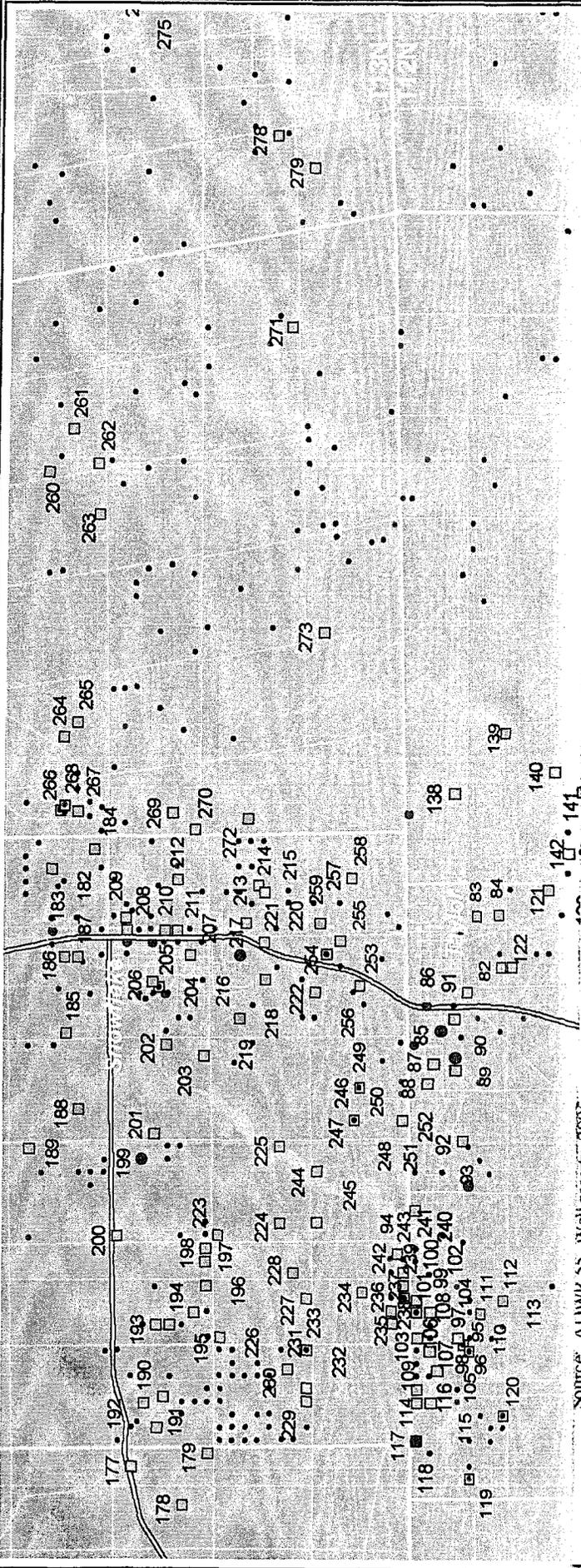


**Southwest Ground-water**  

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**TOP OF COCONINO MAP**  
 Canyon Vista Estates, Navajo County, Arizona

**Figure**  
 4



Source: ADJWK 55- Well registry, 2005

- Municipal or Utility
- Non-exempt Water Production
- Exempt Water Production
- Other Non-water Production
- Cancelled or Abandoned

SURFACE WATER



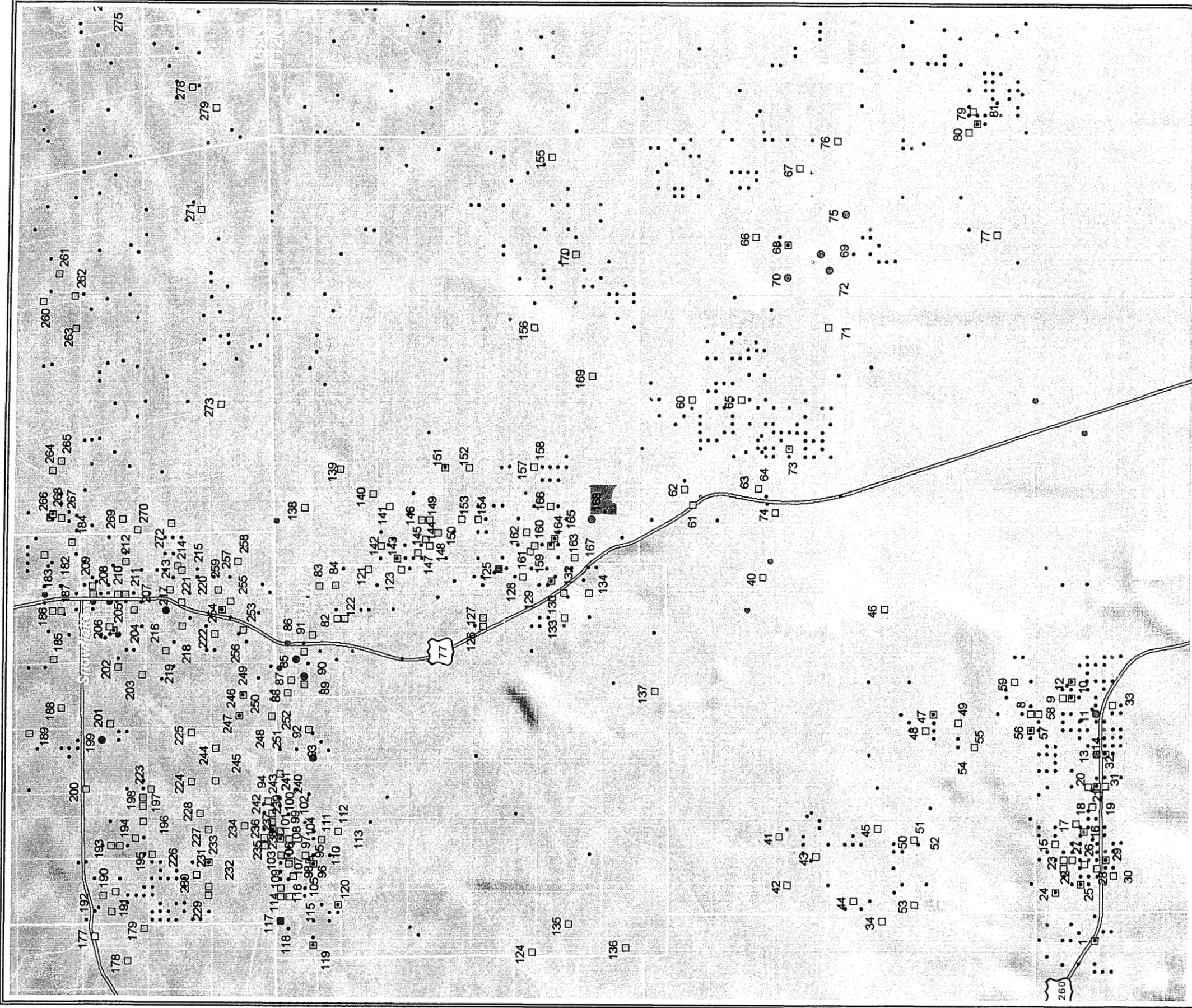
# ADWR WELL LOCATION MAP

Canyon Vista Estates, Navajo County, Arizona


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Figure  
5

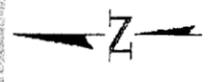


**EXPLANATION**

■ CANYON VISTA ESTATES

ADWR REGISTERED WELL - MAP ID  
 Source: ADWR 55- Well registry, 2005

- Municipal or Utility
- Non-exempt Water Production
- Exempt Water Production
- Other Non-water Production
- Cancelled or Abandoned
- ▨ SURFACE WATER



**ADWR WELL LOCATION MAP**

Canyon Vista Estates, Navajo County, Arizona

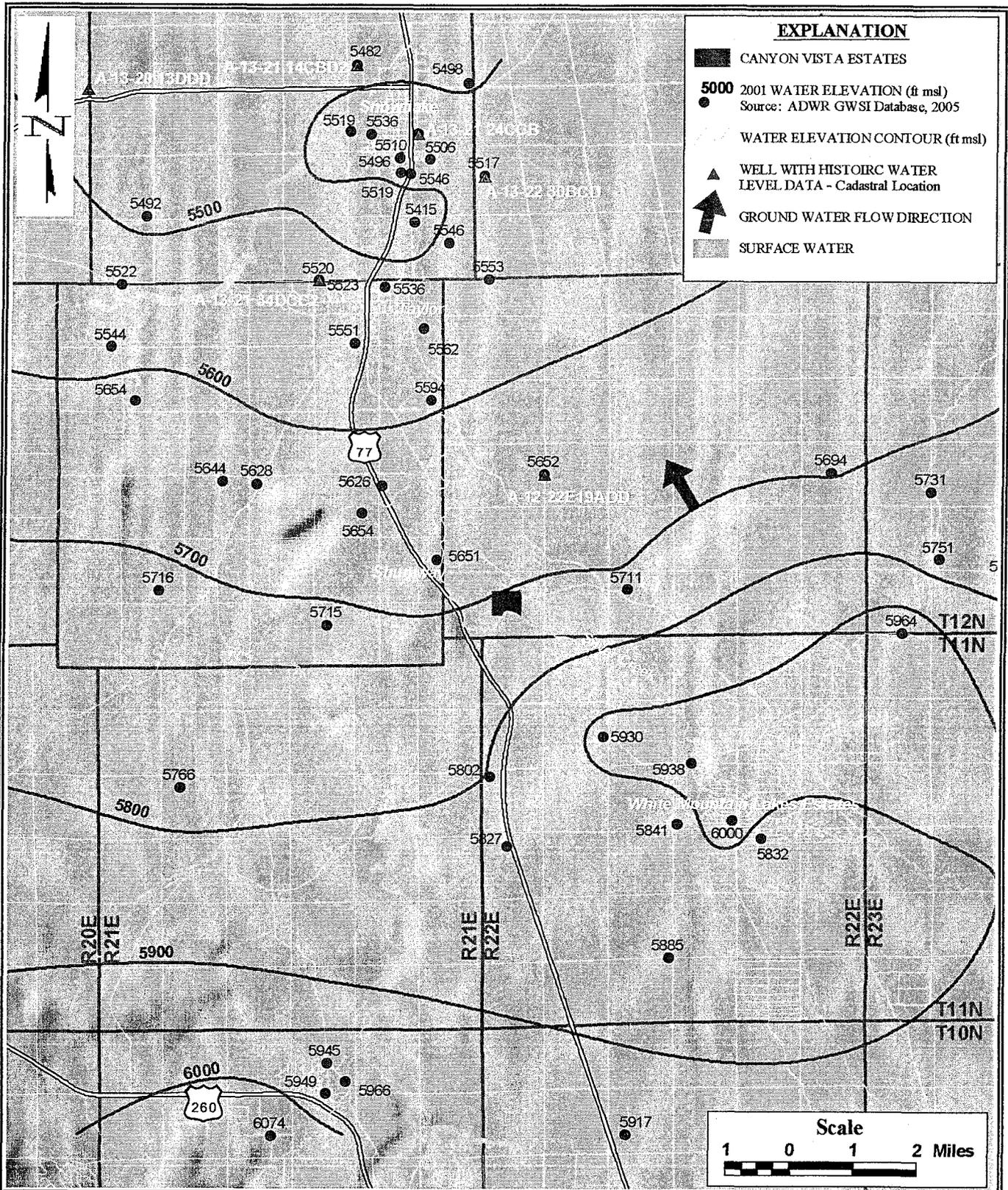
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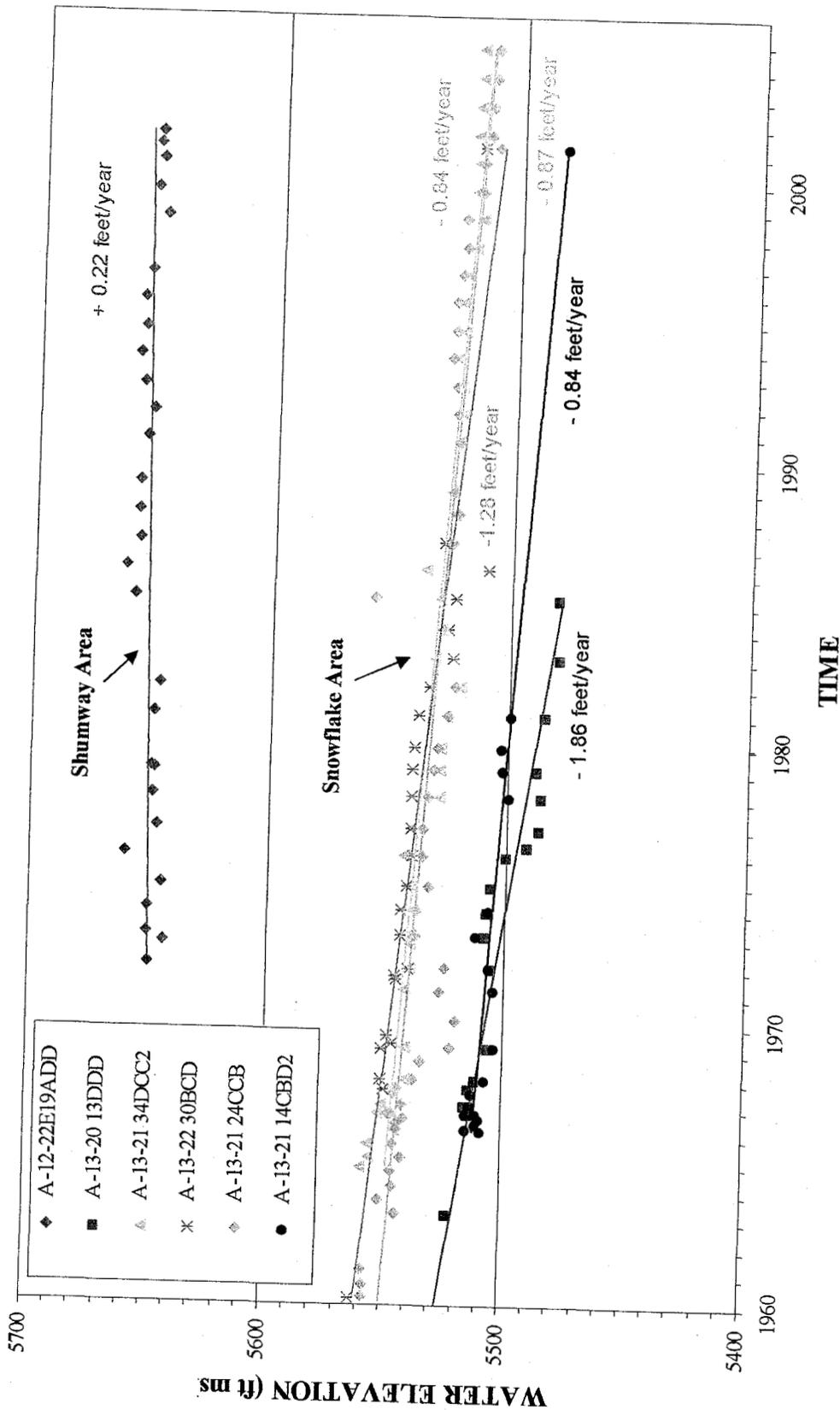
Figure  
 5



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 February 9, 2006 Project B.1194

**WATER ELEVATION MAP**  
 Canyon Vista Estates, Navajo County, Arizona

**Figure**  
 6



Southwest Ground-water  
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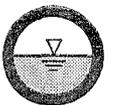
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**HISTORIC WATER LEVELS**

Canyon Vista Estates, Navajo County, Arizona

**Figure**  
7

## APPENDICES



**APPENDIX A**

**REGIONAL ADWR WELL REGISTRY**

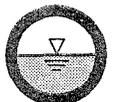


TABLE 1  
ADWR NON-CANCELLED NON-EXEMPT REGISTERED WELLS

Map ID	ADWR Reg	T	R	Sec	Q160	Q40	Q10	Well Type	Well Use	Water Use	Date	Depth WL	Width	Pump Rate	Test Rate	DD	Drill Log	Owner	
1	567924	10.0 N	20.0 E	1 SE	SW	SW	NON-EXEMPT	WP	IRR	IRR	4/12/1998	495	415	8	120	440	X	PERKINS ELDON & DELETHA	
2	803047	10.0 N	20.0 E	3 NW	NW	NW	NON-EXEMPT	WP	D,IRR	D,IRR		500		10	300			CHENEY, JON,	
3	631251	10.0 N	20.0 E	3 NW	NW	NW	NON-EXEMPT	WP	IRR,S,D	IRR,S,D	12/31/1942	567	210	10	30			CHENEY RANCHES,	
4	604931	10.0 N	20.0 E	4 NE	NW	NW	NON-EXEMPT	WP	D,IRR,S	D,IRR,S	7/1/1964	500	350	10	200	200	0	HOPPER,D P	
5	609060	10.0 N	20.0 E	4 NE	NW	NW	NON-EXEMPT	WP	IRR,S,D	IRR,S,D	1/1/1950	100	20	6	40	40	0	FERRIN,H	
6	511719	10.0 N	20.0 E	4 NE	NW	NW	NON-EXEMPT	WP	IRR,D,S	IRR,D,S	8/31/1985	505		12	125	125	20	BEASLEY RIGGS TRUST,	
7	608979	10.0 N	20.0 E	5 SW	NW	NW	NON-EXEMPT	WP	IRR,D	IRR,D	12/20/1973	550	490	6	12	12	0	JACKSON,I H	
8	591269	10.0 N	21.0 E	3 NW	NW	NW	NON-EXEMPT	WP	D	D		380	239	8			X	VITALE	
9	604100	10.0 N	21.0 E	3 NW	SE	SE	NON-EXEMPT	WP	D,S	D,S	6/2/1975	224	178	6	75	75	0	SYOLT, CHARLES,M	
10	618663	10.0 N	21.0 E	3 SW	NE	NE	NON-EXEMPT	WP	IRR	IRR	1/1/1974	274	110	6	10	10	0	WHITE, CHARLES,L	
11	629079	10.0 N	21.0 E	3 SW	SW	SW	NON-EXEMPT	WP	MUN	MUN	1/1/1963		230	6	55	55	0	MOUNTAIN GLEN WATER SERVI	
12	629080	10.0 N	21.0 E	3 SE	NW	NW	NON-EXEMPT	WP	D	D	1/1/1963		230	6	60	60	0	MOUNTAIN GLEN WATER SERVI	
13	607828	10.0 N	21.0 E	4 SW	SE	SE	NON-EXEMPT	WP	IRR,IND	IRR,IND	11/1/1976	393	256	11	800	800	0	PEARCE,J T	
14	506473	10.0 N	21.0 E	4 SW	SE	SE	NON-EXEMPT	WP	MUN	MUN	12/30/1983	340	260	8	50	50	15	X	LINDEN FIRE DISTRICT
15	550317	10.0 N	21.0 E	5 NW	SW	SW	NON-EXEMPT	WP	D,S,IRR	D,S,IRR	9/3/1995	332	257	6				BROWN, ROBERT,	
16	624802	10.0 N	21.0 E	5 SW	SW	SW	NON-EXEMPT	WP	IRR,D	IRR,D	4/14/1979	410	270	8	45	45	0	ALLEN,W	
17	087635	10.0 N	21.0 E	5 SW	NE	NE	NON-EXEMPT	WP	IRR	IRR	1/1/1981	398	270	12	250	250	10	X	VANDENHEEDE
18	618631	10.0 N	21.0 E	5 SE	SW	SW	NON-EXEMPT	WP	MUN	MUN	1/1/1962	300	260	6	35	35	0	SHOW LOW SCHOOL,	
19	606452	10.0 N	21.0 E	5 SE	SW	SW	NON-EXEMPT	WP	IRR,S	IRR,S	2/10/1958	500	280	12	350	350	0	PEARCE,L R	
20	508942	10.0 N	21.0 E	5 SE	SE	SE	NON-EXEMPT	WP	D	D	9/15/1984	313	250	6				WYATT	
21	508941	10.0 N	21.0 E	5 SE	SE	SE	NON-EXEMPT	WP	D	D	11/18/1984	316	280	10	30	30	285	X	WYATT
22	627566	10.0 N	21.0 E	6 NE	SE	SE	NON-EXEMPT	WP	D,IRR,S	D,IRR,S	8/10/1961	385	295	8	150			BCH HOLDNG TRUST - RHODA	
23	523281	10.0 N	21.0 E	6 NE	SE	SE	NON-EXEMPT	WP	D,IRR	D,IRR	6/28/1989	383	282	8				SHOW LOW PARTNERS LLC	
24	617280	10.0 N	21.0 E	6 NW	SE	SE	NON-EXEMPT	WP	D,IRR	D,IRR	6/1/1957	400	340	6	20	20	0	LIVING TRUST OF AUSTIN FR	
25	509333	10.0 N	21.0 E	6 SW	NE	NE	NON-EXEMPT	WP	D,IRR	D,IRR	4/10/1985	380	310	6				DENTON,J	
26	617279	10.0 N	21.0 E	6 SE	SE	SE	NON-EXEMPT	WP	IRR,D	IRR,D		450	345	8	300	300	0	LIVING TRUST OF AUSTIN FR	
27	514193	10.0 N	21.0 E	6 SE	NE	NE	NON-EXEMPT	WP	D,IRR	D,IRR	7/3/1986	330	285	6	15	15	5	X	LAMBERT, A.T. & M.J.,
28	628576	10.0 N	21.0 E	6 SE	SW	SW	NON-EXEMPT	WP	D,IRR,S	D,IRR,S		368	275	6	54	54	0	HOFFMAN,C J	
29	502759	10.0 N	21.0 E	7 NE	NE	NE	NON-EXEMPT	WP	IRR	IRR	5/4/1983	510	330					SEYMORE,D D	
30	207811	10.0 N	21.0 E	7 NE	NW	SW	NON-EXEMPT	WP	IRR,D	IRR,D								BASIC	
31	612046	10.0 N	21.0 E	8 NE	NE	NE	NON-EXEMPT	WP	IRR,D	IRR,D	6/1/1959	400	340	6	20	20	0	NICKS	
32	626262	10.0 N	21.0 E	9 NW	NE	NE	NON-EXEMPT	WP	IRR,D,S	IRR,D,S		395	170	8	50	50	0	BRACLE,A P	
33	505645	10.0 N	21.0 E	10 NW	NW	SE	NON-EXEMPT	WP	D,IRR	D,IRR	11/14/1983	317	180	8	183	183	0	X	HARTNETT,J
34	624980	11.0 N	20.0 E	24 SE	NE	NE	NON-EXEMPT	WP	IRR,S,D	IRR,S,D				6	120	120	0	PERKINS, RONALD,R	
35	509801	11.0 N	20.0 E	31 SE	SE	SE	NON-EXEMPT	WP	D	D	7/13/1985	590	482	10	44	44	0	X	PINEDALE WATER ASSOC,
36	606257	11.0 N	20.0 E	32			NON-EXEMPT	WP	IRR,S,D	IRR,S,D								BRIMHALLS 13 INC	
37	600532	11.0 N	20.0 E	32 NW	NE	NE	NON-EXEMPT	WP	IRR,S	IRR,S	4/28/1972	450	320	11				PINEDALE PROPERTIES,	
38	510996	11.0 N	20.0 E	32 NW	SE	NE	NON-EXEMPT	WP	IRR,S	IRR,S	6/12/1985	438	330	6	35	50	12	X	PEARCEL
39	630052	11.0 N	20.0 E	32 SW	NW	NE	NON-EXEMPT	WP	SUB	SUB				4	50	50	0	ELLINGSON SR,J R	
40	501708	11.0 N	21.0 E	12 SW	SW	NE	NON-EXEMPT	WP	IRR,S,D	IRR,S,D	3/15/1982	260	35	4	17	17	2	X	NAVAJO COUNTY,
41	610380	11.0 N	21.0 E	17 NW	NW	NE	NON-EXEMPT	WP	S	S	8/20/1963	390	338	7	60	60	0	APACHE-SITGREAVES,	
42	536697	11.0 N	21.0 E	18 NW	NE	SE	NON-EXEMPT	WP	D,IRR	D,IRR	9/19/1992	380	330	9	25	25	5	X	SIMPSON REVOC. JOINT LIVI
43	611263	11.0 N	21.0 E	18 SE	NE	NE	NON-EXEMPT	WP	IRR,S,D	IRR,S,D	9/29/1961	350	300	6	60	60	0	SIMPSON,L	
44	611264	11.0 N	21.0 E	19 NW	NW	SE	NON-EXEMPT	WP	IRR,S,D	IRR,S,D	8/17/1971	460	350	8	70	70	0	SIMPSON,E D	
45	627565	11.0 N	21.0 E	20 SW	NE	NW	NON-EXEMPT	WP	IRR,S,D	IRR,S,D	5/18/1960	320	276	6	50	50	0	PERKINS ELDON & DELETHA	

TABLE 1  
ADWR NON-CANCELLED NON-EXEMPT REGISTERED WELLS

Map ID	ADWR Reg	T	R	Sec	Q160	Q40	Q10	Well Type	Well Use	Water Use	Date	Depth WL	Width	Pump Rate	Test Rate	DD	Drill Log	Owner	
46	510558	11.0 N	21.0 E	23 SE	NW	SE	NW	NON-EXEMPT WP	IND	IND	4/10/1985	300	60	12		X	NAVAJO COUNTY,		
47	503789	11.0 N	21.0 E	27 NW	SW	SW	SW	NON-EXEMPT WP	D,IRR	D,IRR	12/19/1983	380	260	10		X	WHETTEN & BEECROFT,		
48	618128	11.0 N	21.0 E	28 NE	SE	NW	SE	NON-EXEMPT WP	IRR	IRR	7/28/1970	316	250	6	20	0	MERRILL,R		
49	605331	11.0 N	21.0 E	28 SE	SE	NE	SE	NON-EXEMPT WP	IRR,S,D	IRR,S,D	5/17/1977	345	280	10	100	0	DUNCAN,S W		
50	609176	11.0 N	21.0 E	29 NW	NW	NW	NW	NON-EXEMPT WP	D,S,IRR	D,S,IRR	1/1/1913	20	15	4			J C & G W CARLISLE,		
51	609177	11.0 N	21.0 E	29 NW	NW	NW	NW	NON-EXEMPT WP	D,S,IRR	D,S,IRR	1/1/1913	20	15	4			J C & G W CARLISLE,		
52	609179	11.0 N	21.0 E	29 NW	NW	NW	NW	NON-EXEMPT WP	D,S,IRR	D,S,IRR	1/1/1960	380	280	8			J C & G W CARLISLE,		
53	609178	11.0 N	21.0 E	30 NW	NW	NW	NW	NON-EXEMPT WP	D,IRR,S	D,IRR,S	1/1/1945						HMH-05 LLC		
54	607831	11.0 N	21.0 E	33 NE	NW	NW	NW	NON-EXEMPT WP	IRR,S,D	IRR,S,D	1/1/1964	300	260	8	40	40	0	PEARCE,J T	
55	607829	11.0 N	21.0 E	33 NE	NW	NW	NW	NON-EXEMPT WP	IRR,S,D	IRR,S,D	1/1/1979	360	69	6	40	40	0	PEARCE,J T	
56	086446	11.0 N	21.0 E	33 SE	SE	SW	SE	NON-EXEMPT WP	IRR	IRR	1/1/1981	505	253	8	1000	0		PEARCE,J T	
57	607830	11.0 N	21.0 E	33 SE	SE	SW	SE	NON-EXEMPT WP	S,D	S,D	1/1/1920	40	25	2				PEARCE,J T	
58	605970	11.0 N	21.0 E	34 SW	SW	SW	SW	NON-EXEMPT WP	IRR,D	IRR,D	1/1/1977	330	240	6				FISH,M J	
59	629078	11.0 N	21.0 E	34 SE	NW	SW	NW	NON-EXEMPT WP	D	D	1/1/1965	245	10	150	150	0		MOUNTAIN GLEN WATER SERVI	
60	901477	11.0 N	22.0 E	5 SE	SE	NE	SE	NON-EXEMPT	D	D	1/22/2005	440	330	9	12	5	X	KIRK	
61	513375	11.0 N	22.0 E	6 SW	SE	NW	SE	NON-EXEMPT WP	D,IRR	D,IRR	4/22/1986	352	125	12		X	HUNSAKER		
62	623147	11.0 N	22.0 E	6 SE	NW	SW	NW	NON-EXEMPT WP	IRR	IRR	4/18/1974	350	3604	12	1000	1000	0	REIDHEAD, TERRENCE,	
63	623145	11.0 N	22.0 E	7 SE	SW	NW	SW	NON-EXEMPT WP	S	S	2/20/1965	400	255	12	700	700	0	REIDHEAD, TERRENCE,	
64	623146	11.0 N	22.0 E	7 SE	SW	NW	SW	NON-EXEMPT WP	IRR,S	IRR,S	1/1/1965	370	255	8	350	350	0	REIDHEAD, TERRENCE,	
65	604175	11.0 N	22.0 E	8 SE	NE	NE	NE	NON-EXEMPT WP	IRR,D	IRR,D	1/1/1977	395	149	5				PINT, NORMAN,	
66	506022	11.0 N	22.0 E	11 SW	SE	NE	SE	NON-EXEMPT WP	IRR,S,D	IRR,S,D	10/22/1983	180	20	12	300	300	100	X	SILVER CREEK LTD PRS,
67	805759	11.0 N	22.0 E	13				NON-EXEMPT WP	IRR,S,D	IRR,S,D	10/13/1986	145	70	6		X	MCBREARY, DENNIS B,		
68	514944	11.0 N	22.0 E	14 NW	SE	NW	SE	NON-EXEMPT WP	D,IRR	D,IRR	1/1/1965	195	95	6	65	65	0	CAMDEN, ALLEN,C	
69	625804	11.0 N	22.0 E	14 SW	SW	NE	SW	NON-EXEMPT WP	MUN	MUN	1/1/1964	220	165	6	50	50	0	WHITE MTN LAKE,	
70	625806	11.0 N	22.0 E	15 NE	SE	NW	SE	NON-EXEMPT WP	MUN	MUN	1/1/1964	220	165	6	50	50	0	WHITE MTN LAKE,	
71	513855	11.0 N	22.0 E	15 SW	SW	SW	SW	NON-EXEMPT WP	IRR	IRR	4/26/1986	500	250	8	150	150	2	X	GLOBAL DEVELOPMENT,
72	625805	11.0 N	22.0 E	15 SE	SE	SE	SE	NON-EXEMPT WP	MUN	MUN	1/1/1964	185	115	6	65	65	0		WHITE MTN LAKE,
73	636224	11.0 N	22.0 E	17 NW	SW	NE	SW	NON-EXEMPT WP	D,IRR	D,IRR	1/9/1979	450	310	6	20	20	0		CRANE
74	541766	11.0 N	22.0 E	18 NW	NW	NE	NW	NON-EXEMPT WP	D	D	1/12/1994	429	242	8	110	115	17	X	LONE PINE GOVT,
75	625803	11.0 N	22.0 E	23 NE	NE	SW	NE	NON-EXEMPT WP	MUN	MUN	8/25/1969	650	305	14	250	250	0		WHITE MTN LAKE,
76	527806	11.0 N	22.0 E	24 NE	NE	NE	NE	NON-EXEMPT WP	IRR,S	IRR,S	5/8/1990	120	20	6		X	SCHURKENS, KURT,		
77	603156	11.0 N	22.0 E	35				NON-EXEMPT WP	D	D	9/1/1963	525	200	8	40	40	0		SILVER WELL SERVICE, *
78	504391	11.0 N	23.0 E	3 SE	SW			NON-EXEMPT CAPPED	D	D	7/1/1983	750	650	6		X	ORBACK ET AL,E		
79	609551	11.0 N	23.0 E	31 NW	NE			NON-EXEMPT WP	D,IRR,S	D,IRR,S	5/1/1975	400	300	6	52	52	0		GOODWIN
80	502700	11.0 N	23.0 E	31 NW	NW	NW	NW	NON-EXEMPT WP	D,IRR	D,IRR	5/25/1982	360	256	6	20	20	0	X	TUPPER, JULIANNE,P
81	507546	11.0 N	23.0 E	31 NW	NW	SE	NW	NON-EXEMPT WP	D,S	D,S	3/29/1984	370	270	6	20	20	0	X	SIMONET
82	620683	12.0 N	21.0 E	1 SW	SW	SE	SW	NON-EXEMPT WP	S,D	S,D	1/1/1956	200	100	6	35	35	0		SHUMWAY,P D
83	606754	12.0 N	21.0 E	1 SE	NW	SE	NW	NON-EXEMPT WP	IRR,S	IRR,S	3/11/1974	200	82	8	50	50	0		BALLANDBY,B T
84	620684	12.0 N	21.0 E	1 SE	SW	SE	SW	NON-EXEMPT WP	IRR	IRR	7/1/1961	250	120	10	600	600	0		TAYLOR, TOWN OF,
85	603610	12.0 N	21.0 E	2 NE	SW	NW	SW	NON-EXEMPT WP	MUN	MUN	1/1/1950	300	130	10	400	400	0		TAYLOR, TOWN OF,
86	502939	12.0 N	21.0 E	2 NE	SW	SE	SW	NON-EXEMPT WP	D,IRR	D,IRR	9/12/1982	200	100	6		X	HATCH		
87	628407	12.0 N	21.0 E	2 NW				NON-EXEMPT WP	IRR	IRR	4/1/1970	240	160	8				SNOWFLAKE UNIFIED,	
88	616563	12.0 N	21.0 E	2 NW	NW	SW	SW	NON-EXEMPT WP	IRR,D	IRR,D	5/1/1973	245	180	6	30	30	0		CAPPS,L
89	202508	12.0 N	21.0 E	2 NW	SW	SE	SW	NON-EXEMPT WP	D,IRR	D,IRR								SHERWOOD	
90	638865	12.0 N	21.0 E	2 NW	SE	SW	SE	NON-EXEMPT WP	IRR,MUN	IRR,MUN	7/31/1947	196	150	12	1000			CORP PRES BISHOP LDS CHUR	

TABLE 1  
ADWR NON-CANCELLED NON-EXEMPT REGISTERED WELLS

Map ID	ADWR Reg	T	R	Sec	Q160	Q40	Q10	Well Type	Well Use	Water Use	Date	Depth WL	Width	Pump Rate	Test Rate	DD	Drill Log	Owner
91	623001	12.0 N	21.0 E	2	SE	NE	NE	NON-EXEMPT WP	D,IRR	D,IRR		200	6					HATCH,D F
92	606275	12.0 N	21.0 E	3				NON-EXEMPT WP	IRR,D	IRR,D		218	6					DESPAIN,E
93	603611	12.0 N	21.0 E	3	SW	NW	NW	NON-EXEMPT WP	MUN	MUN	7/15/1977	400	200	14	1500	0		TAYLOR, TOWN OF,
94	623144	12.0 N	21.0 E	4	NE	NE	NE	NON-EXEMPT WP	IND	IND	1/1/1966	300	190	10	1000	0		REIDHEAD, TERRENCE,
95	619247	12.0 N	21.0 E	5				NON-EXEMPT WP	IRR,D	IRR,D	6/6/1976	300	215	6	60	60	0	MANER,J R
96	608051	12.0 N	21.0 E	5				NON-EXEMPT WP	IRR	IRR	1/1/1973	240		5	35	35	0	POWER,A L
97	626214	12.0 N	21.0 E	5				NON-EXEMPT WP	D	D								TAYLOR INVEST CO,
98	626215	12.0 N	21.0 E	5				NON-EXEMPT WP	IRR,S	IRR,S		400	250	12	1500	1500	0	TAYLOR INVEST CO,
99	630297	12.0 N	21.0 E	5	NE	NE	NE	NON-EXEMPT WP	D	D	1/19/1978	240	157	5	40	40	0	ELLSWORTH,G H
100	609049	12.0 N	21.0 E	5	NE	NE	NE	NON-EXEMPT WP	IRR	IRR		180	120	6	50	50	0	STEWART JR
101	620994	12.0 N	21.0 E	5	NE	NE	NE	NON-EXEMPT WP	IRR,D,S	IRR,D,S	1/1/1975	235		6				WARNER,J W
102	808744	12.0 N	21.0 E	5	NE	NE	NE	NON-EXEMPT WP	D,IRR	D,IRR		250	190	6	50			LITTLE
103	805512	12.0 N	21.0 E	5	NE	NW	NW	NON-EXEMPT WP	IRR,D	IRR,D	12/31/1979							PRITT, JAMES,E
104	808733	12.0 N	21.0 E	5	NE	SW	SW	NON-EXEMPT WP	COM,IRR,D	COM,IRR,D	1/1/1975	260	160	10				LAMB
105	601200	12.0 N	21.0 E	5	NW			NON-EXEMPT WP	IRR	IRR	1/1/1973	250	150	12	1000	1000	0	STEADMAN,C
106	605631	12.0 N	21.0 E	5	NW			NON-EXEMPT WP	D,IRR	D,IRR	1/1/1971	263	150	8	50	50	0	CUNNINGHAM,D
107	629481	12.0 N	21.0 E	5	NW			NON-EXEMPT WP	D	D	7/1/1970	250		6				HAMANN,H M
108	629267	12.0 N	21.0 E	5	NW	NE	SE	NON-EXEMPT WP	IRR	IRR	8/1/1978	220	170	6	35	35	0	ELLSWORTH,D B
109	629266	12.0 N	21.0 E	5	NW	NW	NW	NON-EXEMPT WP	IRR	IRR	6/1/1959	360	170	18	1500	1500	0	TAYLOR, TOWN OF,
110	609514	12.0 N	21.0 E	5	SW	NE	NE	NON-EXEMPT WP	D,IRR	D,IRR	1/15/1962	260	205	8	60	60	0	HANCOCK,R K
111	621654	12.0 N	21.0 E	5	SE	NE	SW	NON-EXEMPT WP	IND	IND								HATCH,S G
112	560516	12.0 N	21.0 E	5	SE	SE	SE	NON-EXEMPT WP	IRR	IRR	4/10/1997	375	170	12	600	750	5 X	THORNHILL, GORDON,C
113	806027	12.0 N	21.0 E	5	SE	SE	SE	NON-EXEMPT WP	D,IRR	D,IRR	5/3/1972	300	180	6	26			FROST, FRANK,H
114	603391	12.0 N	21.0 E	6	NE	NE	NE	NON-EXEMPT WP	IRR	IRR	1/1/1978	280	180	6	65	65	0	WHITING,R
115	603390	12.0 N	21.0 E	6	NE	NE	NE	NON-EXEMPT WP	IRR,D	IRR,D	1/1/1980	180	160	6	50	50	0	WHITING,R
116	527024	12.0 N	21.0 E	6	NE	NE	NE	NON-EXEMPT WP	IRR,COM	IRR,COM	7/13/1990	465	180				X	MCKINNON, PHILL,
117	801790	12.0 N	21.0 E	6	NE	NW	NW	NON-EXEMPT WP	IRR	IRR	7/13/1964	350	181	14	800	800	0	MOUNTAIN FINANCE INC,
118	801791	12.0 N	21.0 E	6	NE	NW	NW	NON-EXEMPT WP	MUN	MUN	1/1/1973	320	180	12	450	450	0	TAYLOR, TOWN OF,
119	502333	12.0 N	21.0 E	6	SW	NW	NW	NON-EXEMPT WP	IRR	IRR	1/20/1983	380	265	10			X	TENNEY,R
120	806781	12.0 N	21.0 E	6	SE	SE	SW	NON-EXEMPT WP	IRR,S,D	IRR,S,D	12/31/1957	300		16				REIDHEAD SAND & ROCK INC
121	601684	12.0 N	21.0 E	12	NE	SE	SE	NON-EXEMPT WP	D	D	10/30/1979	190	40	8	350	350	0	ADAMS,L
122	620917	12.0 N	21.0 E	12	NW	NW	NE	NON-EXEMPT WP	IRR	IRR	4/1/1956	250	85	10	600	600	0	SUNRISE DAIRY,
123	608843	12.0 N	21.0 E	12	SE	SE	SE	NON-EXEMPT WP	IRR,D,S	IRR,D,S	6/1/1971	200	70	10	700	700	0	SALINE FAMILY TRUST
124	625331	12.0 N	21.0 E	19	SW	SW	SW	NON-EXEMPT WP	IRR	IRR	8/25/1963	280		14	1800	1800	0	SILVER CREEK IRRIG,
125	605372	12.0 N	21.0 E	24	NE	SE	SE	NON-EXEMPT WP	D	D	1/1/1900							BROWN
126	801574	12.0 N	21.0 E	24	NW	NW	SW	NON-EXEMPT WP	IRR	IRR	1/1/1954	250	60	8	600	600	0	AZ STATE LAND DEPT,
127	604470	12.0 N	21.0 E	24	NW	NW	SE	NON-EXEMPT WP	IRR	IRR	1/1/1954	250	60	8	600	600	0	CORP PRES BISHOP LDS CHUR
128	514314	12.0 N	21.0 E	24	SE	SE	SE	NON-EXEMPT WP	D,IRR	D,IRR	6/4/1986	210	60	8	100	95	40 X	DENHAM, MELVIN,V
129	561361	12.0 N	21.0 E	24	SE	SE	NE	NON-EXEMPT WP	D,IRR	D,IRR	3/11/1997	200	70	6			X	SCHMITT, DONALD,
130	618212	12.0 N	21.0 E	25	NE			NON-EXEMPT WP	D,IRR	D,IRR	6/1/1959	145	25	6	60	60	0	CHARTRAND, LEEF
131	601587	12.0 N	21.0 E	25	NE	SW	SW	NON-EXEMPT WP	IRR,S	IRR,S	7/30/1973	145	18	6	80	80	0	BROWN
132	808469	12.0 N	21.0 E	25	NE	SW	SW	NON-EXEMPT WP	IRR	IRR		125						BROWN
133	086117	12.0 N	21.0 E	25	NW	SW	SW	NON-EXEMPT WP	IRR	IRR	1/1/1980	230	155					MARTINEAU, ERROL,
134	200829	12.0 N	21.0 E	25	SE	SW	SW	NON-EXEMPT WP	IRR	IRR		483	312	10			X	CALDERWOOD
135	629482	12.0 N	21.0 E	30				NON-EXEMPT WP	D	D		90	60	4				HALL & BRENT,

TABLE 1  
ADWR NON-CANCELLED NON-EXEMPT REGISTERED WELLS

Map ID	ADWR Reg	T	R	Sec	Q160	Q40	Q10	Well Type	Well Use	Water Use	Date	Depth WL	Width	Pump Rate	Test Rate	DD	Drill Log	Owner	
136	625335	12.0	N	21.0	E	31	NW	SW	NON-EXEMPT	WP	IRR	11/15/1966	280	15	2200	2200	0	SILVER CREEK IRRIG.	
137	608238	12.0	N	21.0	E	35	SW	SW	NON-EXEMPT	WP	IRR	350	10	600	600	0	PALMER, L.A		
138	808748	12.0	N	22.0	E	6	SE	SW	NON-EXEMPT	WP	S	1/1/1979	300	90	12		HANGCOCK		
139	608844	12.0	N	22.0	E	7	NE	SE	NON-EXEMPT	WP	IRR,S	5/1/1974	250	200	6		SALINE FAMILY TRUST		
140	608845	12.0	N	22.0	E	7	SE	SW	NON-EXEMPT	WP	IRR,S,D	6/1/1971	250	120	14	1300	1300	0	SALINE FAMILY TRUST
141	518716	12.0	N	22.0	E	18	NE	SW	NON-EXEMPT	WP	D	12/4/1987	135	70	6		GAGNE, ELLA MAE,		
142	603905	12.0	N	22.0	E	18	NW	NW	NON-EXEMPT	WP	D,IRR	1/1/1974	84	20	6	50	50	0	LEISTIKO, L
143	808745	12.0	N	22.0	E	18	NW	SW	NON-EXEMPT	WP	D,D							WILSON	
144	609130	12.0	N	22.0	E	18	SW		NON-EXEMPT	WP	IRR,D,S	10/9/1976	300	40	16			3 S INVESTMENTS, INC.	
145	621534	12.0	N	22.0	E	18	SW		NON-EXEMPT	WP	D,IRR	1/1/1976	200	0	10	50	50	0	BUOTER, E
146	808756	12.0	N	22.0	E	18	SW	NE	NON-EXEMPT	WP	NONE							ARIZONA STATE LAND DEPART	
147	628955	12.0	N	22.0	E	18	SW	NW	NON-EXEMPT	WP	IRR,D	4/30/1968	80	10	80	80	0	GAGNE, E M	
148	540545	12.0	N	22.0	E	18	SW	SW	NON-EXEMPT	WP	IRR,D	8/12/1994	172	57	6			HOLLADAY, DERYL, J	
149	618884	12.0	N	22.0	E	18	SW	SE	NON-EXEMPT	WP	IRR,D	2/21/1964	289	55	16	1600	1600	0	HUNT, LOREN, W
150	521373	12.0	N	22.0	E	18	SW	SE	NON-EXEMPT	WP	D	7/4/1988	200	85	8	35	35	0	HUNT, RALPH, H
151	541320	12.0	N	22.0	E	19	NE	NE	NON-EXEMPT	WP	D	2/10/1994	130	60	6			STAKER, NATHAN, B	
152	618885	12.0	N	22.0	E	19	NE	SE	NON-EXEMPT	WP	IRR,D	10/16/1963	320	80	16	2000	2000	0	HUNT, LOREN, W
153	203930	12.0	N	22.0	E	19	NW	SE	NON-EXEMPT	WP	D,IRR		260	56	7			PALMER	
154	599156	12.0	N	22.0	E	19	SW	NE	NON-EXEMPT	WP	D,IRR,S		245	80	7			GIBSON	
155	517523	12.0	N	22.0	E	25	SE	NW	NON-EXEMPT	WP	D,IRR	5/7/1987	268	68	6	130	130	10	BROWN
156	511243	12.0	N	22.0	E	27	NW	SW	NON-EXEMPT	WP	D	7/17/1985	200	140	6	20	15	0	GARRETT
157	600400	12.0	N	22.0	E	30	NE	SE	NON-EXEMPT	WP	IRR	12/31/1944	250	90	10	650			DECKER
158	806079	12.0	N	22.0	E	30	NE	SE	NON-EXEMPT	WP	IRR	12/31/1935	75	10	480				DECKER
159	625330	12.0	N	22.0	E	30	NW	SW	NON-EXEMPT	WP	IRR	6/10/1962	300	0	15	2200	2200	0	SILVER CREEK IRRIG.
160	600396	12.0	N	22.0	E	30	NW	SW	NON-EXEMPT	WP	D	1/1/1964	185	40	6	200	200	0	DECKER, FRED,
161	600399	12.0	N	22.0	E	30	NW	SW	NON-EXEMPT	WP	IRR	1/1/1964	300	75	16	1200	1200	0	DECKER
162	591521	12.0	N	22.0	E	30	NW	SE	NON-EXEMPT	WP	D		350	110	8				SHELTON
163	604321	12.0	N	22.0	E	30	SW		NON-EXEMPT	WP	IRR,D	1/1/1948	200	50	12	125	125	0	NEFF, JAMES, A
164	808727	12.0	N	22.0	E	30	SW	NW	NON-EXEMPT	WP	D								ROWLEY
165	601586	12.0	N	22.0	E	30	SW	NW	NON-EXEMPT	WP	IRR	10/12/1976	250	38	8	150	150	0	BROWN
166	548563	12.0	N	22.0	E	30	SE	NW	NON-EXEMPT	WP	D,S,IRR	5/14/1995	300	117	6				GUFFEY, DONALD,
167	602966	12.0	N	22.0	E	31	NW	NW	NON-EXEMPT	WP	D,S	1/1/1978	470	230	13				SHAFER HOMES INC,
168	901337	12.0	N	22.0	E	31	NW	SE	NON-EXEMPT	WP	UTIL	1/4/2005	460	217	9	200	200	10	CANYON VISTA ESTATES LLC
169	617883	12.0	N	22.0	E	33	NW	SE	NON-EXEMPT	WP	IRR	3/31/1964	400	100	12	600	600	0	LOVE LAKE RANCH,
170	563379	12.0	N	22.0	E	35	NW	NW	NON-EXEMPT	WP	D,IRR,S	9/8/1997	440	365	6				HOSTETTER, CHRIS, C
171	501434	12.0	N	23.0	E	15	NW	NE	NON-EXEMPT	WP	IRR	4/2/1982	500	390	6	50	50	0	DELANEY, P M
172	613832	12.0	N	23.0	E	21			NON-EXEMPT	WP	IRR,S		373	288	6	300	300	0	JOSEPH, H MARC,
173	503724	12.0	N	23.0	E	23	NE	NE	NON-EXEMPT	WP	IRR	11/5/1982	690	600	6	4	4	5	FELIX, C B
174	610079	12.0	N	23.0	E	35	SE	NE	NON-EXEMPT	WP	IRR,S,D	1/18/1977	470	380	6	50	50	0	ARCHER
175	608332	13.0	N	20.0	E	20	NW	NW	NON-EXEMPT	WP	IRR,S,D	12/1/1977	300	290	8	300	300	0	MILLS, O L
176	629070	13.0	N	20.0	E	22	SE	SE	NON-EXEMPT	WP	S	3/1/1972	630	410	8				THOMAS, B K
177	604617	13.0	N	20.0	E	24	NE	NE	NON-EXEMPT	WP	IND	10/14/1975	630	402	20	1800	1800	0	ABITBI CONSOLIDATED SALE
178	604615	13.0	N	20.0	E	24	SW	NE	NON-EXEMPT	WP	IND	3/1/1973	625	373	20	2000	2000	0	ABITBI CONSOLIDATED SALE
179	604616	13.0	N	20.0	E	24	SE	SE	NON-EXEMPT	WP	IND	10/16/1974	730	317	20	1800	1800	0	ABITBI CONSOLIDATED SALE
180	538195	13.0	N	20.0	E	29	NE	SW	NON-EXEMPT	WP	S	2/23/1993	284	148	8				PLATT, EARL,

TABLE 1  
ADWR NON-CANCELLED NON-EXEMPT REGISTERED WELLS

Map ID	ADWR Reg	T	R	Sec	Q160	Q40	Q10	Well Type	Well Use	Water Use	Date	Depth WL	Width	Pump Rate	Test Rate	DD	Drill Log	Owner	
181	806500	13.0	N 20.0	E 29	SW	NE	NE	NON-EXEMPT WP	D	D	12/31/1963	465	425	8	65			PETERSEN WATER CO,A	
182	606009	13.0	N 21.0	E 13	NE	SW	SE	NON-EXEMPT WP	IRR,S,D	IRR,S,D	8/22/1978	190	90	6	65	0		EGNOR,G,W	
183	606105	13.0	N 21.0	E 13	NE	SW	SE	NON-EXEMPT WP	IRR,S,D	IRR,S,D	8/22/1978	190	90	6	65	0		EGNOR,G,W	
184	602033	13.0	N 21.0	E 13	SE	SE	SE	NON-EXEMPT WP	IRR	IRR	1/1/1961	300	105	12	1200	0		LEVINE,L,W	
185	600369	13.0	N 21.0	E 14	SW	NW	NW	NON-EXEMPT WP	IRR	IRR	1/1/1936	150	100	12	1100	0	N	FLAKE,G	
186	808661	13.0	N 21.0	E 14	SE	NE	NW	NON-EXEMPT WP	MIN,IND	MIN,IND		138	95	9	400			BRIMHALL SAND, ROCK & BUI	
187	808662	13.0	N 21.0	E 14	SE	NE	SW	NON-EXEMPT WP	MIN,IND	MIN,IND		231	95	13	760			BRIMHALL SAND, ROCK & BUI	
188	567811	13.0	N 21.0	E 15	SW	NE	SW	NON-EXEMPT WP	D	D	7/16/1998	290	140	10		X			
189	629538	13.0	N 21.0	E 16	NE	NE	SE	NON-EXEMPT WP	D	D	9/15/1977	210	155	8	38	0		HUNT,R,L	
190	610188	13.0	N 21.0	E 19				NON-EXEMPT WP	IRR,S,D	IRR,S,D		380	8					SARGENT,J,B	
191	608323	13.0	N 21.0	E 19	NW	SW	SE	NON-EXEMPT WP	IRR,D	IRR,D	11/21/1980	380	280	6	150	0		PETERSON,N,K	
192	538000	13.0	N 21.0	E 19	NW	SE	NE	NON-EXEMPT WP	D,IRR	D,IRR	4/27/1993	490	350	6		X		REIDHEAD	
193	608330	13.0	N 21.0	E 20	NW	SW	SE	NON-EXEMPT WP	IRR,D	IRR,D	5/1/1975	420	330	6	65	0		MILLS,O,L	
194	502075	13.0	N 21.0	E 20	SW	NW	NE	NON-EXEMPT WP	D	D	3/27/1982	400	297		0	1900	0	X	ELLSWORTH,L
195	602789	13.0	N 21.0	E 20	SW	SE	NW	NON-EXEMPT WP	IRR,S,D	IRR,S,D	8/29/1978	390	304	8	40	0		ARNEY,B	
196	517886	13.0	N 21.0	E 20	SE	SW	SW	NON-EXEMPT WP	D,IRR	D,IRR	6/22/1987	400	256	8	8	3	X	TENNY, LADD,J	
197	514418	13.0	N 21.0	E 20	SE	SE	SW	NON-EXEMPT WP	D	D	10/26/1986	445	270	6	56	45	7	X	WILLIAMS
198	808720	13.0	N 21.0	E 20	SE	SE	SE	NON-EXEMPT WP	D,S	D,S								MORTENSEN	
199	631196	13.0	N 21.0	E 21	NE	SE	NW	NON-EXEMPT WP	MUN	MUN	1/1/1976	320	160	10	600	0		SNOWFLAKE, TOWN OF,	
200	524350	13.0	N 21.0	E 21	NW	NW	NW	NON-EXEMPT WP	IRR	IRR	6/22/1989	450	195	14	800	800	5	X	SNOWFLAKE, TOWN OF,
201	577890	13.0	N 21.0	E 22	NW	SW	SW	NON-EXEMPT WP	COM	COM		300	115	16				BRIMHALL SAND, ROCK & BUI	
202	600401	13.0	N 21.0	E 22	SE	NE	NE	NON-EXEMPT WP	IRR	IRR	1/1/1935	250	100	10	750	750	0	N	DECKER
203	596967	13.0	N 21.0	E 22	SE	SE	SW	NON-EXEMPT WP	D,IRR,COM	D,IRR,COM	4/3/2003	290	162	7				PETERSON	
204	618677	13.0	N 21.0	E 23				NON-EXEMPT WP	IRR	IRR		325	200		300	300	0		SNOWFLAKE UNIFIED,
205	620592	13.0	N 21.0	E 23				NON-EXEMPT WP	D	D	4/26/1979	300	65	6	60	60	0		MALAN,S,K
206	600288	13.0	N 21.0	E 23	NE	SW	SW	NON-EXEMPT WP	IRR,D	IRR,D	4/4/1977	242	35	6	60	60	0	N	SMITH,M
207	606999	13.0	N 21.0	E 23	SE	SE	NW	NON-EXEMPT WP	IRR	IRR	1/1/1917	109	45	8	35	35	0		DANIELE,F
208	603813	13.0	N 21.0	E 24	NW	NW	SW	NON-EXEMPT WP	D	D	10/10/1979	70	17	6	55	55	0		WEBB,L,A
209	208962	13.0	N 21.0	E 24	NW	NW	SE	NON-EXEMPT WP	IRR	IRR								FLAKE	
210	501018	13.0	N 21.0	E 24	SW	NW	NW	NON-EXEMPT WP	D	D	4/19/1982	60	20	6	36	36	20	X	MILLER, ROY,C
211	604441	13.0	N 21.0	E 24	SW	NW	SW	NON-EXEMPT WP	IRR	IRR	1/1/1951	330	110	12	660	660	0		WILLIS RANCH,
212	900976	13.0	N 21.0	E 24	SE	NW	SW	NON-EXEMPT WP	D,IRR,S	D,IRR,S		260	85	6				SILVER CREEK FARM, L.L.C.	
213	805730	13.0	N 21.0	E 25				NON-EXEMPT WP	IRR,S	IRR,S								BRINKERHOFF, DON,	
214	625334	13.0	N 21.0	E 25	NW	SW	SW	NON-EXEMPT WP	IRR	IRR	5/1/1962	300		10	700	700	0		SILVER CREEK IRRIG,
215	600432	13.0	N 21.0	E 25	SW	NE	NE	NON-EXEMPT WP	IRR	IRR	1/1/1954	300	90	8	1000	1000	0	N	TURLEY,L
216	631195	13.0	N 21.0	E 26	NE	SE	NW	NON-EXEMPT WP	MUN	MUN	4/25/1996	310	190	10	275	500	10		SNOWFLAKE, TOWN OF,
217	631197	13.0	N 21.0	E 26	NE	SE	NW	NON-EXEMPT WP	MUN	MUN	7/10/1972	440	170	10	1000	1000	0		SNOWFLAKE, TOWN OF,
218	627982	13.0	N 21.0	E 26	NW	SW	NE	NON-EXEMPT WP	D,IRR	D,IRR	10/29/1980	256	160	8	150	150	0		HATCH,G,R
219	085801	13.0	N 21.0	E 26	NW	SW	NE	NON-EXEMPT WP	D	D	1/1/1980	256	160	8				HATCH,G,R	
220	610780	13.0	N 21.0	E 26	SE	NE	NE	NON-EXEMPT WP	IRR,S,D	IRR,S,D	10/15/1977	240	65	6	100			BRYANT	
221	901707	13.0	N 21.0	E 26	SE	NE	NE	NON-EXEMPT WP	D	D								WILLIS	
222	525295	13.0	N 21.0	E 26	SE	NW	NW	NON-EXEMPT WP	D,IRR	D,IRR	10/12/1989	250	145	8	18	18	0	X	MCQUILLAN, KENNETH,
223	532570	13.0	N 21.0	E 28	NW	NW	NW	NON-EXEMPT WP	D,IRR	D,IRR	7/18/1992	357	242	6				X	WARDER, FRANCIS JR,P
224	623148	13.0	N 21.0	E 28	SW	NW	SE	NON-EXEMPT WP	IRR	IRR	5/22/1973	400	168	12	1200				REIDHEAD, TERRENCE,
225	596743	13.0	N 21.0	E 28	SE	NE	SE	NON-EXEMPT WP	IRR,D	IRR,D		320	200	8				X	LANGELY TEMPLE LAKES, LLC

TABLE 1  
ADWR NON-CANCELLED NON-EXEMPT REGISTERED WELLS

Map ID	ADWR Reg	T	R	Sec	Q160	Q40	Q10	Well Type	Well Use	Water Use	Date	Depth WL	Width	Pump Rate	Test Rate	DD	Drill Log	Owner
226	604610	13.0 N 21.0 E	29 NW	NW	NW	NON-EXEMPT WP	IND	8/23/1960	674	284	30	1700	1700	0			ABITIBI CONSOLIDATED SALE	
227	604611	13.0 N 21.0 E	29 SW	SE	SE	NON-EXEMPT WP	IND	1/12/1961	741	274	30	1700	1700	0			ABITIBI CONSOLIDATED SALE	
228	604612	13.0 N 21.0 E	29 SE	SW	NE	NON-EXEMPT WP	IND	3/9/1961	705	315	30	1900	1900	0			ABITIBI CONSOLIDATED SALE	
229	555624	13.0 N 21.0 E	30 SW	SE	SE	NON-EXEMPT WP	D,S,IRR	6/25/1996	437	340	6				X		WESTVIEW WATER RIGHTS JOI	
230	609726	13.0 N 21.0 E	30 SE			NON-EXEMPT WP	IRR,D,S	1/1/1978	325	300	6						RUIZ, THOMAS,	
231	609727	13.0 N 21.0 E	30 SE			NON-EXEMPT WP	IRR,D,S	1/1/1980	325	300	6						KAY, J W	
232	551627	13.0 N 21.0 E	30 SE	SW	SW	NON-EXEMPT WP	D,S,IRR		27	30	21						MOUNTAIN STATES CMPU,	
233	559107	13.0 N 21.0 E	30 SE	SE	SE	NON-EXEMPT WP	D,IRR	11/29/1996	380	311	8	25	25	352	X		BREWER, ED,	
234	629247	13.0 N 21.0 E	32			NON-EXEMPT WP	D,IND	1/1/1973			0	80	80	0			WHIPPLE, T B	
235	609980	13.0 N 21.0 E	32 SW	SW	NE	NON-EXEMPT WP	D,IRR	1/1/1945	350	209	10	800	800	0			WHIPPLE, J W	
236	609013	13.0 N 21.0 E	32 SW	SE	NW	NON-EXEMPT WP	IRR	11/29/1974	250	108	6	150	150	0	N		TULEY, C	
237	628907	13.0 N 21.0 E	32 SW	SE	SE	NON-EXEMPT WP	IRR	3/18/1973	280	140	7						WILLIAMS, ARTHUR,	
238	501412	13.0 N 21.0 E	32 SW	SE	SE	NON-EXEMPT WP	IRR	1/22/1982	275	215	6	60	60	0	X		BARCLAY, PAUL GAGER,	
239	628558	13.0 N 21.0 E	32 SE	SW	SW	NON-EXEMPT WP	IRR,S,D										COLEMAN	
240	600011	13.0 N 21.0 E	32 SE	SW	SE	NON-EXEMPT WP	IRR	11/1/1974	300	90	8	300	300	0	N		TULEY, C	
241	600011	13.0 N 21.0 E	32 SE	SW	SE	NON-EXEMPT WP	IRR	1/1/1963	78		2	50	50	0	N		TULEY, C	
242	805672	13.0 N 21.0 E	32 SE	SE	SE	NON-EXEMPT WP	D,IRR										BRIMHALL, RAE ELBERT,	
243	805673	13.0 N 21.0 E	32 SE	SE	SE	NON-EXEMPT WP	D,IRR										BRIMHALL, RAE ELBERT,	
244	604614	13.0 N 21.0 E	33 NE	NW	NE	NON-EXEMPT WP	IND	3/2/1964	615	216	20	2100	2100	0			ABITIBI CONSOLIDATED SALE	
245	604613	13.0 N 21.0 E	33 NW	NW	NE	NON-EXEMPT WP	IND	5/17/1961	691	288	30	1850	1850	0			ABITIBI CONSOLIDATED SALE	
246	602504	13.0 N 21.0 E	34			NON-EXEMPT WP	IRR,S,D	7/1/1969	205	160	6	60	60	0			SWEET, G A	
247	610774	13.0 N 21.0 E	34 NW	SW	SE	NON-EXEMPT WP	IRR	1/1/1968	250	0	12	1200					HALL FAMILY TRUST	
248	610776	13.0 N 21.0 E	34 NW	SW	SE	NON-EXEMPT WP	IRR	1/1/1967	350	0	10	700					HALL FAMILY TRUST	
249	610772	13.0 N 21.0 E	34 NW	SW	SE	NON-EXEMPT WP	IRR	1/1/1977	350	0	10	1100					HALL FAMILY TRUST	
250	610775	13.0 N 21.0 E	34 NW	SW	SE	NON-EXEMPT WP	IRR	1/1/1968	350	0	10	700					JIMMY C & SONYA P PETTY, JO	
251	600429	13.0 N 21.0 E	34 SW	SW	SE	NON-EXEMPT WP	IRR	1/1/1950	200	160	12	400	400	0	N		THOMAS, B K	
252	209040	13.0 N 21.0 E	34 SW	SW	SE	NON-EXEMPT WP	IRR										THOMAS	
253	629483	13.0 N 21.0 E	35			NON-EXEMPT WP	D	3/1/1964	385	140	8	400	400	0			TURLEY, L K	
254	625418	13.0 N 21.0 E	35 NE	NE	SW	NON-EXEMPT WP	D	3/1/1975	240	100	6	35	35	0			BALDWIN, N A	
255	552058	13.0 N 21.0 E	35 NE	SE	NE	NON-EXEMPT WP	IRR,S										STRATTON, DAN, E	
256	518978	13.0 N 21.0 E	35 NW	NE	NE	NON-EXEMPT WP	IRR	9/8/1987	283	98	5	100	25	5	X		CHAPMAN, F A,	
257	600410	13.0 N 21.0 E	36 NE	SW	SW	NON-EXEMPT WP	IRR	1/1/1972	250	80	12	1200	1200	0	N		F BAR CATTLE CO,	
258	600412	13.0 N 21.0 E	36 NE	SW	SW	NON-EXEMPT WP	IRR	1/1/1972	175	80	10	450	450	0	N		F BAR CATTLE CO,	
259	625333	13.0 N 21.0 E	36 NW	NW		NON-EXEMPT WP	IRR	8/10/1967	330		15	2000	2000	0			SILVER CREEK IRRIG,	
260	507502	13.0 N 22.0 E	14 NW	SW	SW	NON-EXEMPT WP	D,IRR	4/23/1984	382	231	8				X		FORNFEIST, J H	
261	507505	13.0 N 22.0 E	14 SW	NE	SE	NON-EXEMPT WP	IRR,D	7/1/1984	395	240	11				X		PATTEN, JESSEE, R	
262	517976	13.0 N 22.0 E	14 SW	SW	SW	NON-EXEMPT WP	D,S	6/8/1987	380	300	8				X		MUELLER, AUGUST,	
263	512363	13.0 N 22.0 E	15 SE	SW	SW	NON-EXEMPT WP	D	9/27/1985	295	220	6				X		LEWIS, S	
264	608331	13.0 N 22.0 E	17 SW	NE	NE	NON-EXEMPT WP	D,IRR	12/1/1977	380	280	8	300	300	0			MILLS, O L	
265	505901	13.0 N 22.0 E	17 SE	NW	SW	NON-EXEMPT WP	D	8/30/1983	520	281	12	500	500	70	X		SNOWFLAKE, TOWN OF,	
266	610555	13.0 N 22.0 E	18			NON-EXEMPT WP	IRR,S,D		280	220	8						JAMES, R C	
267	604001	13.0 N 22.0 E	18 SW	NE	SE	NON-EXEMPT WP	IRR	11/15/1978	200	135	6	100	100	0			MICKLE, R C	
268	604766	13.0 N 22.0 E	18 SE	NW	NW	NON-EXEMPT WP	D	3/18/1982	250	145	5						SELLNER, WILLIAM, G	
269	515561	13.0 N 22.0 E	19 SW	NE	SW	NON-EXEMPT WP	D,IRR	12/18/1986	305	105	8				X		WOOD	
270	584420	13.0 N 22.0 E	19 SW	SW	SW	NON-EXEMPT WP	D	12/31/2000	215	115	6	300	300	15	X		KANE	

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ADWR NON-CANCELLED NON-EXEMPT REGISTERED WELLS

Map ID	ADWR Reg	T	R	Sec	Q160	Q40	Q10	Well Type	Well Use	Water Use	Date	Depth WL	Width	Pump Rate	Test Rate	DD	Drill Log	Owner
271	511710	13.0	N	22.0	E	25	SW	NON-EXEMPT	WP	D,S	8/19/1985	475	405	50	50	5	X	AULT ET AL,T
272	614209	13.0	N	22.0	E	30	NW	NON-EXEMPT	WP	IRR,S,D	1/1/1960	350	125	1200	1200	0		AZ STATE LAND DEPT,
273	535805	13.0	N	22.0	E	33	NW	NON-EXEMPT	WP	D,S,IRR	6/25/1993	225	158	6	20	0	X	OAKLEY, DANA,
274	610905	13.0	N	23.0	E	21		NON-EXEMPT	WP	IRR,D,S	1/1/1966	300	200	6				HAMMER,E E
275	504159	13.0	N	23.0	E	21	SW	NON-EXEMPT	WP	IRR,S,D	1/20/1983	300	275	6		X		SPEZZANO JR,D A
276	610551	13.0	N	23.0	E	22	SW	NON-EXEMPT	WP	IRR,S,D	12/5/1973	390	290	6	60	0		HEININGER
277	604180	13.0	N	23.0	E	23	SW	NON-EXEMPT	WP	IRR,S,D	6/1/1978	480	360	6	320	0		VAN VLEET,O
278	505469	13.0	N	23.0	E	30	SE	NON-EXEMPT	WP	D	6/23/1983	350	280	5		X		GERARD-LANGLEY, D.,
279	503107	13.0	N	23.0	E	31	NE	NON-EXEMPT	WP	IRR,S	9/16/1982	393	315	6		X		RATCLIFF,L

**APPENDIX B**

**SELECTED WELL DRILLER REPORTS**



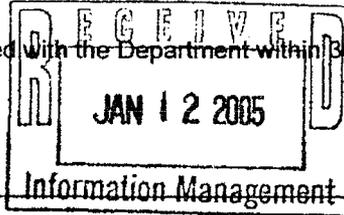


**Arizona Department of Water Resources**  
 Records Management Section  
 500 N. 3rd Street ❖ Phoenix, Arizona 85004  
 (602) 417-2405 ❖ (800) 352-8488  
 www.water.az.gov

**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.

\*\* PLEASE PRINT CLEARLY \*\*



FILE NUMBER <b>A(12-22)31 BDA</b>
WELL REGISTRATION NUMBER <b>55 - 901337</b>
PERMIT NUMBER (IF ISSUED)

**SECTION 1. REGISTRY INFORMATION**

<b>Well Owner</b>		<b>Location of Well</b>					
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL Canyon Vista Estates LLC		WELL LOCATION ADDRESS (IF ANY) Shumway					
MAILING ADDRESS 1850 N. Central Ave. Suite 2100		TOWNSHIP (N/S) 12N	RANGE (E/W) 22E	SECTION 31	160 ACRE NW ¼	40 ACRE SE ¼	10 ACRE NE ¼
CITY / STATE / ZIP CODE Phoenix, AZ, 85004-4584		LATITUDE 34 ° 23 ' 943" N			LONGITUDE 110 ° 03 ' 372" W		
CONTACT PERSON NAME AND TITLE		LAND SURFACE ELEVATION AT WELL 5960 Feet Above Sea Level					
TELEPHONE NUMBER 602 212 8551	FAX	METHOD OF LATITUDE / LONGITUDE (CHECK ONE) <input checked="" type="checkbox"/> Hand-Held					
		<input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input checked="" type="checkbox"/> GPS <input type="checkbox"/> Survey-Grade					
		COUNTY ASSESSOR'S PARCEL ID NUMBER BOOK 204 MAP 8 PARCEL 012F					
		COUNTY WHERE WELL IS LOCATED Navajo					

**SECTION 2. DRILLING AUTHORIZATION**

<b>Drilling Firm</b>	
NAME MCCRAY WELL DRILLING CO INC dba Willis Drlg & Pump Co	
DWR LICENSE NUMBER 88	
TELEPHONE NUMBER 928-538-4414	FAX 928-536-2091

**SECTION 3. WELL CONSTRUCTION DETAILS**

DATE WELL CONSTRUCTION STARTED 12-25-04	DATE WELL CONSTRUCTION COMPLETED 1-4-05	IF FLOWING WELL, METHOD OF FLOW REGULATION <input type="checkbox"/> Valve <input type="checkbox"/> Other:
<b>Drill Method</b> 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 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):	<b>Method of Well Development</b> 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):	<b>Method of Sealing at Reduction Points</b> CHECK ONE <input checked="" type="checkbox"/> None <input type="checkbox"/> Packed <input type="checkbox"/> Swedged <input type="checkbox"/> Welded <input type="checkbox"/> Other (please specify):
<b>Water Level Information</b>		ENTERED JAN 12 2005
STATIC WATER LEVEL 217 Feet Below Land Surface DATE MEASURED Dec 15, 2004		

Well Driller Report and Well Log

WELL REGISTRATION NUMBER  
55 - 901337

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

Borehole			Installed Casing														
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER DIAMETER (inches)	MATERIAL TYPE (✓)				PERFORATION TYPE (✓)						SLOT SIZE IF ANY (inches)	
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE		
0	20	14"	0	380	8 <sup>5</sup> / <sub>4</sub>	X				X							
20	460	11"	380	460	8 <sup>5</sup> / <sub>4</sub>	X								X			6 X 1/4

Installed Annular Material												
DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (✓)								FILTER PACK		
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE			IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE
						GROUT	CHIPS	PELLETS				
0	20			X								
20	250	X										
250	320				X							
320	460	X										

DEPTH OF BORING 460 Feet Below Land Surface      DEPTH OF COMPLETED WELL 460 Feet Below Land Surface

ENTERED JAN 12 2005





**Arizona Department of Water Resources**  
 Records Management Section  
 500 N. 3rd Street • Phoenix, Arizona 85004  
 (602) 417-2405 • (800) 352-8488  
 www.water.az.gov

**Pump Installation Completion Report**

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

FILE NUMBER  
**A(12-22)31 BDA**  
 WELL REGISTRATION NUMBER  
**55-901337**

**\*\* PLEASE PRINT CLEARLY \*\***

SECTION 1. REGISTRY INFORMATION								
<b>Well Owner</b>			<b>Location of Well</b>					
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL <b>Canyon Vista Estates LLC</b>			WELL LOCATION ADDRESS (IF ANY) <b>Shumway</b>					
MAILING ADDRESS <b>1850 N. Central Ave. Suite 2100</b>			TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
CITY/STATE/ZIP CODE <b>Phoenix AZ 85004-4584</b>			<b>12N</b>	<b>22E</b>	<b>31</b>	<b>NW ¼</b>	<b>SE ¼</b>	<b>NE ¼</b>
CONTACT PERSON NAME AND TITLE <b>T. Michael Daggett</b>			COUNTY ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)					
TELEPHONE NUMBER <b>602 212 8551</b>			BOOK <b>204</b>	MAP <b>8</b>	PARCEL <b>012F</b>			
FAX <b>602-240-6925</b>			COUNTY WHERE WELL IS LOCATED <b>NAYASO</b>					

SECTION 2. EQUIPMENT INSTALLED	
DATE PUMP INSTALLED <b>1-12-05</b>	
<b>Pump Type</b> CHECK ONE	<b>Power Type</b> CHECK ONE
<input type="checkbox"/> Air Lift <input type="checkbox"/> Bucket <input type="checkbox"/> Centrifugal <input type="checkbox"/> Jet <input type="checkbox"/> Piston <input type="checkbox"/> Rotary <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Turbine <input type="checkbox"/> Other (please specify):	<input type="checkbox"/> Diesel Engine <input checked="" type="checkbox"/> Electric Motor <input type="checkbox"/> Gasoline Engine <input type="checkbox"/> Hand <input type="checkbox"/> Natural Gas <input type="checkbox"/> Windmill <input type="checkbox"/> Other (please specify):
RATED PUMP CAPACITY <b>200</b> Gallons Per Minute	HORSE POWER RATING OF MOTOR <b>20 HP</b>

SECTION 3. PUMP TEST		
<b>Pump Test Data</b>	<b>Method of Discharge Measurement</b>	<b>Method of Measuring Water Level</b>
DATE WELL TESTED <b>1-17-05</b>	CHECK ONE	CHECK ONE
STATIC WATER LEVEL (A) <b>232</b> Feet Below Land Surface	<input type="checkbox"/> Bailor <input checked="" type="checkbox"/> Bucket - Barrel - Stopwatch <input type="checkbox"/> Current <input type="checkbox"/> Estimated - Air Lift <input type="checkbox"/> Gauge <input type="checkbox"/> Meter <input type="checkbox"/> Orifice <input type="checkbox"/> Volume <input type="checkbox"/> Weir - Flume <input type="checkbox"/> Other (please specify):	<input type="checkbox"/> Air Line <input checked="" type="checkbox"/> Electric Measuring Line (Sounder) <input type="checkbox"/> Steel Tape <input type="checkbox"/> Other (please specify):
PUMPING WATER LEVEL (B) <b>242</b> Feet Below Land Surface		
DRAWDOWN (B) - (A) <b>10</b> Feet Below Land Surface		
TEST PUMPING RATE <b>200</b> Gallons Per Minute		
DURATION OF PUMP TEST (Minimum 4 Hours) <b>7</b> Hours		
TOTAL PUMPING LIFT <b>242</b> Feet		
FOR FLOWING WELL MEASURED SHUT IN HEAD	<input type="checkbox"/> FT <input type="checkbox"/> PSI	

ORIGINAL MAILED TO ADWR  
 1-19-05  
 COPY TO OWNER  
 1-19-05

**COPY**

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

SIGNATURE OF WELL OWNER <b>T. Michael Daggett agent FOR Canyon Vista Estates</b>	DATE <b>1-19-05</b>
---	------------------------

Well Driller Report and Well Log

WELL REGISTRATION NUMBER

55 - 901337

SECTION 6. WELL SITE PLAN

NAME OF WELL OWNER

Canyon Vista Estates LLC

COUNTY ASSESSOR'S PARCEL ID NUMBER

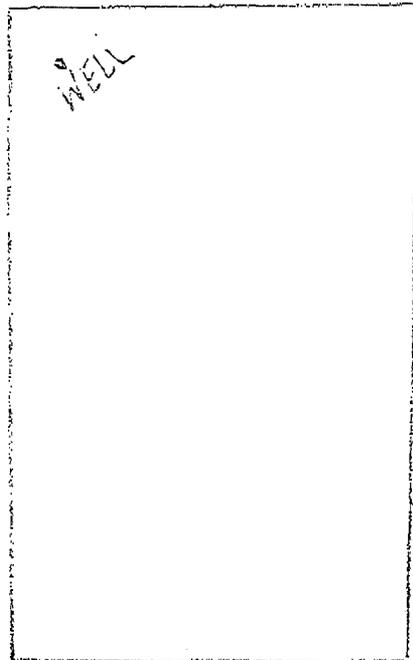
BOOK  
204

MAP  
8

PARCEL  
012F

- ❖ 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



Shumway

17.51

McCray Well Drilling Co Inc

dba

Willis Drilling & Pump Co

1351 S. Main St.

Snowflake, AZ 85937

*Kelly J. Willis*

SIGNATURE of Qualifying Party

1-10-05



REGISTRATION OF EXISTING WELLS

READ INSTRUCTIONS ON BACK OF THIS FORM BEFORE COMPLETING  
PRINT OR TYPE - FILE IN DUPLICATE

03

REGISTRATION FEE (CHECK ONE)  
EXEMPT WELL (NO CHARGE)   
NON-EXEMPT WELL - \$10.00

FOR OFFICE USE ONLY  
REGISTRATION NO. 55- 603156  
FILE NO. A(11-22)35  
FILED 1-27-82 AT 3  
(DATE) (TIME)  
INA \_\_\_\_\_  
AMA \_\_\_\_\_

Silver Well Service Corporation Check #2096 attached.

1. Name of Registrant: Silver Well Service Corporation  
R.R. 2, Box 20148, Show Low, Arizona 85901  
(Address) (City) (State) (Zip)

2. File and/or Control Number under previous groundwater law:  
35- Unknown - well drilled in 1963  
(File Number) (Control Number)

3. a. The well is located within the Lot 28, Silver Lake Estates Section 35  
of Township 11 N N/S, Range 22 E E/W, G & SRB & M, in the  
County of Navajo.

b. If in a subdivision: Name of subdivision Silver Lake Estates #1 & #2  
Lot No. 28, Address Lot 28, Brown Trout Drive

4. The principal use(s) of water (Examples: irrigation - stockwater - domestic - municipal - industrial)  
Domestic

5. If for irrigation use, number of acres irrigated from well \_\_\_\_\_.

6. Owner of land on which well is located. If same as Item 1, check this box   
\_\_\_\_\_  
(Address) (City) (State) (Zip)

7. Well data (If data not available, write N/A)  
a. Depth of Well 525' feet  
b. Diameter of casing 8" inches  
c. Depth of casing 500' approximately feet  
d. Type of casing steel  
e. Maximum pump capacity 40 gal PM gallons per minute.  
f. Depth to water 200' feet below land surface.  
g. Date well completed Sept. (Month) 1963 (Year)

8. The place(s) of use of water. If same as Item 3, check this box   
1/4 1/4 1/4, Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_  
1/4 1/4 1/4, Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_

Attach additional sheet if necessary.

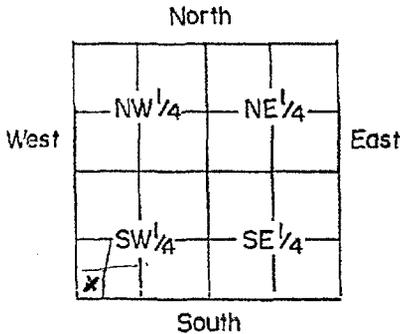
9. DATE January 26, 1982 SIGNATURE OF REGISTRANT George E. Wickman  
George E. Wickman, President

EXEMPT WELL  
FILING FEE: \$10.00

DEPARTMENT OF WATER RESOURCES  
NOTICE OF INTENTION TO DRILL OR DEEPEN  
AN EXEMPT WELL

RECEIVED EXEMPT WELL  
NOV 2 - 1983

Section 45-596, Arizona Revised Statutes, provides: A person may not drill or cause to be drilled any well or deepen or replace an existing well without first filing a Notice of Intention to Drill with the Department on a form prescribed and furnished by the Department. The well shall be completed within one year after the date of Notice. An exempt well means a well having a pump with maximum design capacity of not more than 35 gallons per minute which is used to withdraw groundwater. An exempt well may include the non-commercial irrigation of less than 2 acres of land.



- Indicate Well Location by X  
(Above diagram represents one  
640 acre section)

WELL/LAND LOCATION:

1. Township 11N  
2. Range 22E  
3. Section 25  
4. SW 1/4 SW 1/4 SW 1/4  
10 acre sub-division  
County Navajo

Owner of Well:

Borden Ranch Limited Partnership  
Name  
3443 N Central Suite 610  
Address  
Phoenix, Az 85012  
City State Zip

Owner of Land:

Same  
Name  
Address  
City State Zip

DESCRIPTION OF WELL:

8. Diameter 6"  
Depth 450  
9. Type of Casing Steel  
10. Principal use of Water. domestic

11. Other uses Intended

None  
(If for non-commercial irrigation, state approximate area being cultivated.)

12. Construction will start about:  
Nov 83  
Month Year

PLACE OF USE:

13. Township 11N  
14. Range 22E  
15. Section 25  
16. Legal description of land water is to be used on:  
SW-SW-SW

17. Design Pump Capacity

20

18. Action Requested:

Drill   
Deepen   
Replace

19. This notice filed by:

Owner   
Lessee   
Driller

DO NOT WRITE IN THIS SPACE  
OFFICE RECORD  
FILE NO. A(11-22)25 ccc  
FILED 11-2-83 BY ET  
INPUT 11-4-83 BY ET  
DUPLICATE MAILED 11-3-83 BY ET  
REGISTRATION NO. 55-506606  
AMA NON EXPANSION AREA -

Name L. B. DRILLING  
Box 4166  
Address Huachuca City, AZ 85616  
City State Zip

20. Drillers Name:

Name L. B. DRILLING  
Box 4166  
Address Huachuca City, AZ 85616  
City State Zip

Department License Number

Fill out this form in duplicate and mail to Box 2600, Phoenix, Arizona, 85002, or deliver to 99 East Virginia, Suite 100, Phoenix, Arizona, 85004.

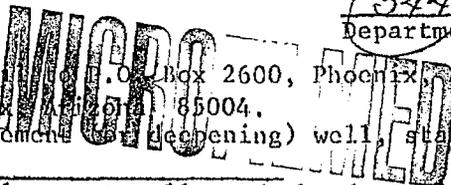
If the Exempt Well is in fact a replacement (deepening) well, state the registration number of the existing well. NA

Construction standards for new and replacement wells and the deepening and abandonment of existing wells, shall be in accordance with Department Rules and Regulations.

Harry Bliss, state that the construction will be under the direct and personal supervision of the well driller designated on this form and that the designated driller holds a contractor's license pursuant to ARS 45-595.

Oct 31, 1983  
Date

Harry Bliss  
Signature of Person Filing



WELL DRILLER REPORT



This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner Borden Ranch LTD. Partnership  
Name

Address

2. Lessee or Operator \_\_\_\_\_  
Name

Address B. DRILLING

3. Driller L.B. Drilling  
Name

Box 4166

Huachuca City, AZ 85616

Box 4166 Huachuca City Az. 85616  
Address

4. Location of well: Navajo 11N 22E 25 SWXSWXSW

5. Permit No. \_\_\_\_\_  
(if issued)

DESCRIPTION OF WELL

6. Total depth of hole 440 ft.

7. Type of Casing Steel

8. Diameter and length of casing 6 in. from 0 to 440, \_\_\_\_\_ in from \_\_\_\_\_ to \_\_\_\_\_.

9. Method of sealing at reduction points \_\_\_\_\_

10. Perforated from 280 to 440, from \_\_\_\_\_ to \_\_\_\_\_, from \_\_\_\_\_ to \_\_\_\_\_

11. Size of cuts 1/8 Number of cuts per foot Three

12. If screen was installed: Length \_\_\_\_\_ ft. Diam \_\_\_\_\_ in. Type \_\_\_\_\_

13. Method of construction drilled  
drilled, dug, driven, bored, jetted, etc.

14. Date started 11 8 83  
Month day year

15. Date completed 11 15 83  
Month day year

16. Depth to water 215 ft. (If flowing well, so state.)

17. Describe point from which depth measurements were made, and give sea-level elevation if available. ground level

18. If flowing well, state method of flow regulation \_\_\_\_\_

19. REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DO NOT WRITE IN THIS SPACE	
OFFICE RECORD	
Registration No. <u>55-506606</u>	
Received _____	By _____
Entered <u>12-8-83</u>	By <u>dc</u>
File No. <u>A(11-22)25ccc</u>	

MICROFILMED

(Well log to appear on Reverse side)

456-1312





REGISTRATION OF EXISTING WELLS

READ INSTRUCTIONS ON BACK OF THIS FORM BEFORE COMPLETING  
PRINT OR TYPE - FILE IN DUPLICATE

03

REGISTRATION FEE (CHECK ONE)

EXEMPT WELL (NO CHARGE)

NON-EXEMPT WELL - \$10.00

FOR OFFICE USE ONLY

REGISTRATION NO. 55- 646524

FILE NO. A(11-22)250d

FILED 6-14-82 AT 3P  
(DATE) (TIME)

INA \_\_\_\_\_

AMA \_\_\_\_\_

1. Name of Registrant: Douglas B. Christensen

P.O. Box 222 Show Low, Az. 85901  
(Address) (City) (State) (Zip)

2. File and/or Control Number under previous groundwater law:

N/A 35- N/A  
(File Number) (Control Number)

3. a. The well is located within the SE  $\frac{1}{4}$  NE  $\frac{1}{4}$  --  $\frac{1}{4}$ , Section 25,  
of Township 11 N/S, Range 22 E/W, G & SRB & M, in the  
County of Navajo.

b. If in a subdivision: Name of subdivision Laguna Estates No. 1,  
Lot No. 91, Address N/A.

4. The principal use(s) of water (Examples: irrigation - stockwater - domestic - municipal - industrial)  
Domestic

5. If for irrigation use, number of acres irrigated from well N/A.

6. Owner of land on which well is located. If same as Item 1, check this box   
Douglas B & Susanne R. Christensen & Val L. Reidhead and Shirley Reidhead  
BOX 222 Show Low AZ 85901  
(Address) (City) (State) (Zip)

7. Well data (If data not available, write N/A)

a. Depth of Well Approx. 600' feet

b. Diameter of casing 8" inches

c. Depth of casing N/A feet

d. Type of casing Steel

e. Maximum pump capacity Presently - 18gpm gallons per minute.  
Estimated 100 possible

f. Depth to water 296' feet below land surface.

g. Date well completed N/A  
(Month) (Day) (Year)

8. The place(s) of use of water. If same as Item 3, check this box .

1/4 1/4 1/4, Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_  
1/4 1/4 1/4, Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_

Attach additional sheet if necessary.

9. DATE 6-10-82 SIGNATURE OF REGISTRANT Douglas B. Christensen

DEPARTMENT OF WATER RESOURCES  
99 East Virginia Avenue  
Suite 100  
Phoenix, Arizona 85004

CHANGE OF WELL INFORMATION

Registration Number 55- 646524

A(11-22)25 ad

I request the following information be changed in Well File Number NEW OWNER

OF WELL HIGH COUNTRY WATER INC.

Date 11-29, 19 86 Wesley F. Johnson  
Signature of Well Owner

STATEMENT OF CHANGE OF WELL OWNERSHIP

I, WESLEY F. JOHNSON (HIGH COUNTRY WATER INC.) state that I am (no longer) the  
(new) owner of the well described below:

Township \_\_\_\_\_ Range \_\_\_\_\_ Section \_\_\_\_\_, \_\_\_\_\_  $\frac{1}{4}$  \_\_\_\_\_  $\frac{1}{4}$  \_\_\_\_\_  $\frac{1}{4}$

Registration #55- \_\_\_\_\_ File No. \_\_\_\_\_

CHRISTENSEN  
Previous Owner

HIGH COUNTRY WATER INC.  
New Owner

Address \_\_\_\_\_

P.O. BOX 36  
Address

SHOWLOW AZ. 85901  
City State Zip

BUCKEYE AZ. 85326  
City State Zip

NOTE: ARS §45-593 requires that the Department be notified of change of well ownership and that the well owner is required to keep the Department's Well Registration records current and accurate. Well data and ownership changes must be submitted within 30 days after changes take place.

NOTE: SAVE THIS FORM TO REPORT FUTURE  
CHANGES IN OWNERSHIP OR WELL  
DATA SUCH AS PUMP CAPACITY, ETC.

ENTERED MAY 02 1986

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

- 1. Owner Town of Snowflake  
Name  
PO Box AE Snowflake, Az. 85937  
Address
- 2. Lessee or Operator \_\_\_\_\_  
Name  
\_\_\_\_\_  
Address
- 3. Driller A to Z Drilling + Pump Service  
Name  
Box 263 Taylor, Az. 85939  
Address
- 4. Location of well: \_\_\_\_\_
- 5. Permit No. \_\_\_\_\_  
(if issued)

DESCRIPTION OF WELL

- 6. Total depth of hole 520 ft.
- 7. Type of Casing Steel
- 8. Diameter and length of casing 12 in. from 0 to 400', ~~10~~ in from ~~395'~~ to 520'.
- 9. Method of sealing at reduction points 10 in. is belled out to 12 in. at top
- 10. Perforated from 300' to 400', from 400 to 520, from \_\_\_\_\_ to \_\_\_\_\_
- 11. Size of cuts 1/4" x 4 in. Number of cuts per foot 26
- 12. If screen was installed: Length \_\_\_\_\_ ft. Diam \_\_\_\_\_ in. Type \_\_\_\_\_
- 13. Method of construction drilled  
drilled, dug, driven, bored, jetted, etc.
- 14. Date started Aug 1 ~~1983~~ 1983  
Month day year
- 15. Date completed Aug 30 1983  
Month day year
- 16. Depth to water 280 ft. (If flowing well, so state.)
- 17. Describe point from which depth measurements were made, and give sea-level elevation if available.  
Ground level, 5700 ft.

18. If flowing well, state method of flow regulation \_\_\_\_\_

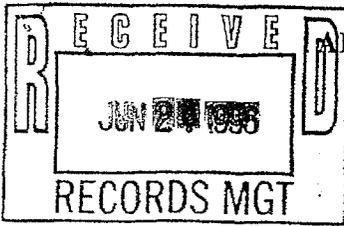
19. REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DO NOT WRITE IN THIS SPACE  
OFFICE RECORD  
Registration No. 55-505901  
Received \_\_\_\_\_ By \_\_\_\_\_  
Entered 1-30-84 By \_\_\_\_\_  
File No. A(13-22)17dbc

(Well log to appear on Reverse side)







ARIZONA DEPARTMENT OF WATER RESOURCES

500 North Third Street
Phoenix, Arizona 85004

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. COPPERSTATE DRILLING & SUPPLY
BOX 190
SNOWFLAKE, AZ 85937

2. Owner Name: James Campell
Address:

3. Location: 13 N/S 22 E/W 20 1/4 SW 1/4 NE 1/4 NE
Township Range Section 10-acre 40-acre 160-acre

4. Well Registration No. 55-551649 (Required)

5. Permit No. (If issued)

DESCRIPTION OF WELL

6. Total depth of hole 370' ft.

7. Type of casing POC

8. Diameter and length of casing 5 in. from 0' to 350' in from to

9. Method of sealing at reduction points

10. Perforated from 340' to 370' from to from to

11. Size of cuts 3/32 DAW Number of cuts per foot 4

12. If screen was installed: Length ft. Diam in. Type

13. Method of construction Drilled
(drilled, dug, driven, bored, jetted, etc)

14. Date started 5 - 16 96
Month Day Year

15. Date completed 5 23 96
Month Day Year

16. Depth to water 283' ft. (If flowing well, so state)

17. Describe point from which depth measurements were made, and give sea-level elevation if available
ground level

18. If flowing well, state method of flow regulation:

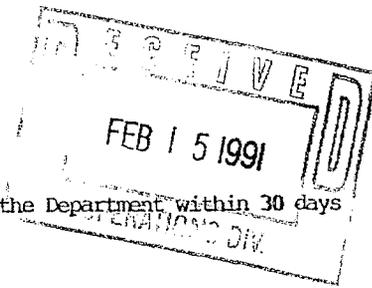
19. Remarks:

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
Registration No. 55-551649
File No. A(13-22)20 AAC
Received By
Entered ENTERED JUL 5 1996



STATE OF ARIZONA  
 DEPARTMENT OF WATER RESOURCES  
 15 South 15th Avenue  
 Phoenix, Arizona 85007

WELL DRILLER REPORT



This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner Jose T. Corona  
Box 235 Gadsden Az. 85334  
Name Mailing Address
2. Driller Copperstate Drilling & Supply  
Box 880 Taym Az 85439  
Name Mailing Address
3. Location of well: T 13 N Rwy 22 East Sec 20 NW 1/4 NE 1/4 NE 1/4
4. Permit No. 55-529417  
 (If issued)

DESCRIPTION OF WELL

5. Total depth of hole 340 ft.
6. Type of casing 340' PVC 22' Steel
7. Diameter and length of casing 6 in. from 0 to 340' in from      to     .
8. Method of sealing at reduction points
9. Perforated from 320 to 340, from      to     , from      to     .
10. Size of cuts 7/8" dia hole Number of cuts per foot 10
11. If screen was installed: Length      ft. Diam      in. Type
12. Method of construction Drilled  
drilled, dug, driven, bored, jetted, etc
13. Date started 12-18-90  
Month Day Year
14. Date completed 1-17-91  
Month Day Year
15. Depth to water 28' ft. (If flowing well, so state)
16. Describe point from which depth measurements were made, and give sea-level elevation if available ground level
17. If flowing well, state method of flow regulation:
18. Remarks:

DO NOT WRITE IN THIS SPACE

REG. No. 55-529417  
 File No. A(13-22)20 AAB  
 Entered      By     

ENTERED FEB 15 1991





ARIZONA DEPARTMENT OF WATER RESOURCES

15 South 15th Avenue  
Phoenix, Arizona 85007

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner Name: Barbarome Plaza  
Address: Box 1467 Snowflake Az. 85937  
Street City State Zip
2. Driller Name: Pappastato Drilling & Supply  
Address: Box 190 Snowflake Az 85137  
Street City State Zip
3. Location: 13 N/S 220W 20 NW 1/4 SE 1/4 NE 1/4  
Township Range Section 10-acre 40-acre 160-acre
4. Well Registration No. 55- 540235 (Required)
5. Permit No. \_\_\_\_\_ (If issued)



DESCRIPTION OF WELL

6. Total depth of hole 368 ft.
7. Type of casing PVC Sec. 40
8. Diameter and length of casing 5 in. from 0 to 368, in from \_\_\_\_\_ to \_\_\_\_\_
9. Method of sealing at reduction points Ø
10. Perforated from 368 to 368, from \_\_\_\_\_ to \_\_\_\_\_, from \_\_\_\_\_ to \_\_\_\_\_
11. Size of cuts 3/32 Number of cuts per foot 4
12. If screen was installed: Length Ø ft. Diam \_\_\_\_\_ in. Type \_\_\_\_\_
13. Method of construction \_\_\_\_\_  
(drilled, dug, driven, bored, jetted, etc)
14. Date started 9 21 93  
Month Day Year
15. Date completed 9 27 93  
Month Day Year
16. Depth to water 285' ft. (If flowing well, so state)
17. Describe point from which depth measurements were made, and give sea-level elevation if available  
5400

18. If flowing well, state method of flow regulation: \_\_\_\_\_

19. Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DO NOT WRITE IN THIS SPACE

Re 55-540235  
Fi A(13-22)20ADB  
Re  
En **ENTERED OCT 25 1993**

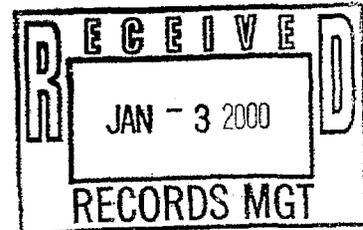


**ARIZONA DEPARTMENT OF WATER RESOURCES**

500 North Third Street  
Phoenix, Arizona 85004

**WELL DRILLER REPORT**

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.



1. CADENHEAD DRILLING, INC  
8010 WELL ROAD  
SHOW LOW, AZ 85901-8610

2. Owner Name: Emilita McDonald  
Address: Xensington CA 94707  
City State Zip

3. Location: 130 NS 220 EW 20 1/4 NW 1/4 NW 1/4 SE  
Township Range Section 10-acre 40-acre 160-acre

4. Well Registration No. 55- 576564 (Required)  
5. Permit No. \_\_\_\_\_ (If issued)

**DESCRIPTION OF WELL**

6. Total depth of hole 375 ft.  
7. Type of casing PVC  
8. Diameter and length of casing 5 in. from 5 to 375, in from \_\_\_\_\_ to \_\_\_\_\_  
9. Method of sealing at reduction points \_\_\_\_\_  
10. Perforated from 315 to 375, from \_\_\_\_\_ to \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_  
11. Size of cuts 1/8" x 12" Number of cuts per foot 2  
12. If screen was installed: Length \_\_\_\_\_ ft. Diam \_\_\_\_\_ in. Type \_\_\_\_\_  
13. Method of construction drilled  
(drilled, dug, driven, bored, jetted, etc)  
14. Date started 10- 8 99  
Month Day Year  
15. Date completed 10 11 99  
Month Day Year  
16. Depth to water 262 ft. (If flowing well, so state)  
17. Describe point from which depth measurements were made, and give sea-level elevation if available  
\_\_\_\_\_  
18. If flowing well, state method of flow regulation: \_\_\_\_\_

19. Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**ENTERED JAN 07 2000**

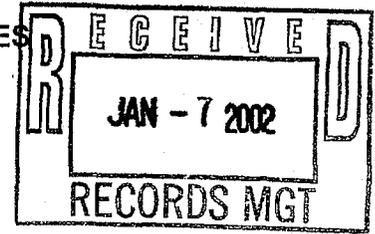
**DO NOT WRITE IN THIS SPACE  
OFFICE RECORD**

Registration No. 55-576564  
File No. A(13-22) 20 DBB  
Received \_\_\_\_\_ By \_\_\_\_\_  
Entered \_\_\_\_\_ By \_\_\_\_\_



ARIZONA DEPARTMENT OF WATER RESOURCES

500 North 3rd Street  
Phoenix, Arizona 85004



WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. MCCRAY WELL DRILLING COMPANY, INC.  
P.O. BOX 720 1333 S. MAIN ST.  
SNOWFLAKE, AZ 85937-0720
2. Owner Name: Kent Mount  
Address: Snowflake AZ 85937  
City State Zip
3. Location: 12N 01S 22E 01W 19 1/4 SE 1/4 SE 1/4 SE  
Township Range Section 10-acre 40-acre 160-acre
4. Well Registration No. 55-589404 (Required)
5. Permit No. \_\_\_\_\_ (If Issued)

DESCRIPTION OF WELL

6. Total depth of hole 300 ft.
7. Type of casing Steel
8. Diameter and length of casing 6 in. from -1 to 300, in from \_\_\_\_\_ to \_\_\_\_\_
9. Method of sealing at reduction points None
10. Perforated from 320 to 300, from \_\_\_\_\_ to \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_
11. Size of cuts 2 X 1/4 Number of cuts per foot 8
12. If screen was installed: Length NA ft. Diam NA in. Type NA
13. Method of construction drilled  
(drilled, dug, driven, bored, jetted, etc)
14. Date started 11 15 01  
Month Day Year
15. Date completed 12 4 01  
Month Day Year
16. Depth to water 321 ft. (If flowing well, so state)
17. Describe point from which depth measurements were made, and give sea\_level elevation if available
18. If flowing well, state method of flow regulation:
19. Remarks: good quality & quantity of water

DO NOT WRITE IN THIS SPACE  
OFFICE RECORD

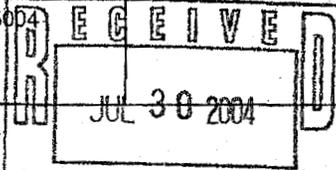
Registration No. 55- 589404  
File No. A(12-22) 19 DDD  
Received \_\_\_\_\_ By \_\_\_\_\_  
Entered \_\_\_\_\_ By \_\_\_\_\_





ARIZONA DEPARTMENT OF WATER RESOURCES  
 Records Management Section  
 500 N. 3rd Street \* Phoenix, Arizona 85004  
 (602) 417-2405 \* (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.

\*\* PLEASE PRINT CLEARLY \*\*

WELL NUMBER <b>A(12-22) 30 DAB</b>
WELL REGISTRATION NUMBER <b>55-203364</b>
PERMIT NUMBER (IF ISSUED)

SECTION 1: REGISTRY INFORMATION	
<b>Well Owner</b>	<b>Location of Well</b>
FULL NAME OF COMPANY, ORGANIZATION OR INDIVIDUAL <b>JERRY BARBER</b>	WELL LOCATION ADDRESS (IF KNOWN) <b>Louellake Rd</b>
MAILING ADDRESS <b>1225 LONE PINE DAM RD</b>	TOWNSHIP (N/S) <b>12N</b> RANGE (E/W) <b>22E</b> SECTION <b>30</b>
CITY / STATE / ZIP <b>SHOW LOW, AZ 85901</b>	160 ACRE <b>SE 1/4</b> 40 ACRE <b>NE 1/4</b> 10 ACRE <b>NW 1/4</b>
CONTACT PERSON NAME AND TITLE	LATITUDE <b>34-24-626</b> LONGITUDE <b>110-02-698</b>
TELEPHONE NUMBER <b>928-537-5395</b>	LAND SURFACE ELEVATION AT WELL <b>5828</b> Feet Above Sea Level
FAX	METHOD OF LATITUDE / LONGITUDE (CHECK ONE) <input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input checked="" type="checkbox"/> GPS: <input type="checkbox"/> Survey-Grade <input checked="" type="checkbox"/> Hand-Held
	COUNTY ASSESSOR'S PARCEL ID NUMBER BOOK <b>204</b> MAP <b>7</b> PARCEL <b>032</b>
	COUNTY WHERE WELL IS LOCATED <b>Navajo County</b>

SECTION 2: DRILLING AUTHORIZATION	
<b>Drilling Firm</b>	
NAME <b>MCCRAY WELL DRILLING CO INC dba Willis Drlg &amp; Pump Co</b>	
DWR LICENSE NUMBER <b>88</b>	
TELEPHONE NUMBER <b>928-536-4414</b>	FAX <b>928-536-2091</b>

SECTION 3: WELL CONSTRUCTION DETAILS		
DATE WELL CONSTRUCTION STARTED	DATE WELL CONSTRUCTION COMPLETED	IF FLOWING WELL, METHOD OF FLOW REGULATION <input type="checkbox"/> Valve <input type="checkbox"/> Other
<b>Drill Method</b>	<b>Method of Well Development</b>	<b>Method of Sealing at Reduction Points</b>
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 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)	CHECK ONE <input checked="" type="checkbox"/> Airlift <input type="checkbox"/> Ball <input type="checkbox"/> Surge Back <input type="checkbox"/> Surge Pump <input type="checkbox"/> Other (please specify)	CHECK ONE <input checked="" type="checkbox"/> None <b>NA</b> <input type="checkbox"/> Packed <input type="checkbox"/> Swedged <input type="checkbox"/> Welded <input type="checkbox"/> Other (please specify)
	<b>Water Level Information</b>	
	STATIC WATER LEVEL <b>90</b> Feet Below Land Surface	
	DATE MEASURED <b>5-20-04</b>	

**ENTERED AUG - 5 2004**

Well Driller Report and Well Log

WELL REGISTRATION NUMBER  
55-203364

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

Borehole			Installed Casing													
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER DIAMETER (inches)	MATERIAL TYPE (X)				PERFORATION TYPE (X)					SLOT SIZE IF ANY (inches)	
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED		IF OTHER TYPE, DESCRIBE
0	20	10	0	20	5 5/8	X										
20	280	8	20	240	5 5/8		X									
			240	280	5 5/8		X						X			1/4" x 6

Installed Annular Material												
DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (X)							FILTER PACK			
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE			IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE
						GROUT	CHIPS	PELLETS				
0	20			X								
20	210	X										
210	230							X				
230	280	X										

DEPTH OF BORING 280 Feet Below Land Surface      DEPTH OF COMPLETED WELL 280 Feet Below Land Surface



ARIZONA DEPARTMENT OF WATER RESOURCES

15 South 15th Avenue  
Phoenix, Arizona 85007

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

- 1. Owner Name: Henry Shaker  
Address: 3653 W. Shangri-La Rd. Phoenix, Az 85029  
Street City State Zip
- 2. Driller Name: McCray Well Drilling  
Address: Box 720 Snowflake, Az 85937  
Street City State Zip
- 3. Location: 12 N 22 E 30 SW 1/4 NE 1/4 SE 1/4  
Township Range Section 10-acre 40-acre 160-acre
- 4. Well Registration No. 55- 536691 (Required)
- 5. Permit No. — (If issued)

DESCRIPTION OF WELL

- 6. Total depth of hole ~~338~~ 340 ft.
- 7. Type of casing PVC & Steel
- 8. Diameter and length of casing 5 in. from -1 to 340, in from — to —.
- 9. Method of sealing at reduction points —
- 10. Perforated from 300 to 340, from — to —, from — to —.
- 11. Size of cuts 1/4" X 6 Number of cuts per foot 8
- 12. If screen was installed: Length — ft. Diam — in. Type —
- 13. Method of construction drilled  
(drilled, dug, driven, bored, jetted, etc)
- 14. Date started Sept 18 1992  
Month Day Year
- 15. Date completed Oct 5 1992  
Month Day Year
- 16. Depth to water 115 ft. (If flowing well, so state)
- 17. Describe point from which depth measurements were made, and give sea level elevation if available  
—

18. If flowing well, state method of flow regulation:

19. Remarks: well sealed at 293'  
with steel casing formation  
packer & cement grout  
good water quality

**MICROFILMED**

DO NOT WRITE IN THIS SPACE

Re. 55-536691  
Fil. A(12-22)30DAC  
Re.  
En. ENTERED JAN 12 1993



ARIZONA DEPARTMENT OF WATER RESOURCES

15 South 15th Avenue  
Phoenix, Arizona 85007

WELL DRILLER REPORT

151994

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner Name: O. J. GILLASPY  
Address: RT. 3 BOX 7672 SHOW LOW AZ 85901  
Street City State Zip
2. Driller Name: MCCRAY WELL DRILLING CO. INC.  
Address: P.O. BOX 720 SNOWFLAKE AZ 85937  
Street City State Zip
3. Location: 12 N<sup>th</sup> 22 E<sup>st</sup> 30 NW 1/4 SE 1/4 SE 1/4  
Township Range Section 10-acre 40-acre 160-acre
4. Well Registration No. 55-543561 (Required)
5. Permit No. \_\_\_\_\_ (If issued)

DESCRIPTION OF WELL

6. Total depth of hole 295 ft.
7. Type of casing Steel
8. Diameter and length of casing 5 in. from -1 to 295, \_\_\_\_\_ in from \_\_\_\_\_ to \_\_\_\_\_
9. Method of sealing at reduction points none
10. Perforated from 255 to 295, from \_\_\_\_\_ to \_\_\_\_\_, from \_\_\_\_\_ to \_\_\_\_\_
11. Size of cuts 1/4 X 6 Number of cuts per foot 8
12. If screen was installed: Length \_\_\_\_\_ ft. Diam \_\_\_\_\_ in. Type \_\_\_\_\_
13. Method of construction drilled  
(drilled, dug, driven, bored, jetted, etc)
14. Date started May, April 27 1994  
Month Day Year
15. Date completed May 6 1994  
Month Day Year
16. Depth to water 108 ft. (If flowing well, so state)
17. Describe point from which depth measurements were made, and give sea-level elevation if available
18. If flowing well, state method of flow regulation: \_\_\_\_\_

19. Remarks: Sealed at top of  
Coronino at 250' with  
formation packer and  
grout

DO NOT WRITE IN THIS SPACE  
OFFICE RECORD

Registration No. 55-543561  
File No. A(12-22)30ddb  
Received ENTERED  
Entered BY JUL 20 1994

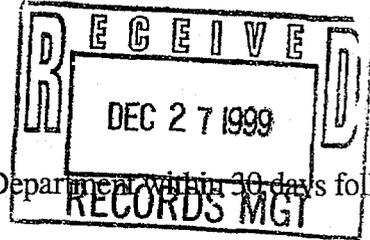


ARIZONA DEPARTMENT OF WATER RESOURCES

500 North Third Street  
Phoenix, Arizona 85004

WELL DRILLER REPORT

\*



This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. MCCRAY WELL DRILLING COMPANY, INC.  
P.O. BOX 720  
SNOWFLAKE, AZ 85937-0720

2. Owner Name: Terry Godfrey  
Address: P.O. 298 Snowflake AZ 85937  
City State Zip

3. Location: 12 NS 22 EW 30  $\frac{1}{4}$  SE  $\frac{1}{4}$  SE  $\frac{1}{4}$  SE  
Township Range Section 10-acre 40-acre 160-acre

4. Well Registration No. 55- 572291 (Required)  
5. Permit No. \_\_\_\_\_ (If issued)

DESCRIPTION OF WELL

- 6. Total depth of hole 320 ft.
- 7. Type of casing Steel & PVC
- 8. Diameter and length of casing 6 in. from \_\_\_\_\_ to \_\_\_\_\_, in from \_\_\_\_\_ to \_\_\_\_\_
- 9. Method of sealing at reduction points -
- 10. Perforated from 280 to 320, from \_\_\_\_\_ to \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_
- 11. Size of cuts "4" x 6" Number of cuts per foot 8
- 12. If screen was installed: Length - ft. Diam \_\_\_\_\_ in. Type \_\_\_\_\_
- 13. Method of construction drilled  
(drilled, dug, driven, bored, jetted, etc)
- 14. Date started December 3 1999  
Month Day Year
- 15. Date completed December 8 1999  
Month Day Year
- 16. Depth to water 120 ft. (If flowing well, so state)
- 17. Describe point from which depth measurements were made, and give sea-level elevation if available
- 18. If flowing well, state method of flow regulation: \_\_\_\_\_

19. Remarks: Good quality and quantity of water

DO NOT WRITE IN THIS SPACE  
OFFICE RECORD

Registration No. 55-572291  
File No. A(12-22) 30 DDD  
Received \_\_\_\_\_ By \_\_\_\_\_  
Entered \_\_\_\_\_ By \_\_\_\_\_

ANSWERED DEC 28 1999





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

\*\* PLEASE PRINT CLEARLY \*\*

**RECEIVED**  
 JAN 12 2005  
 Information Management

FILE NUMBER <b>A(12-22)31 BDA</b>
WELL REGISTRATION NUMBER <b>55 - 901337</b>
PERMIT NUMBER (IF ISSUED)

**SECTION 1. REGISTRY INFORMATION**

<b>Well Owner</b>		<b>Location of Well</b>					
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL Canyon Vista Estates LLC		WELL LOCATION ADDRESS (IF ANY) Shumway					
MAILING ADDRESS 1850 N. Central Ave. Suite 2100		TOWNSHIP (N/S) 12N	RANGE (E/W) 22E	SECTION 31	160 ACRE NW ¼	40 ACRE SE ¼	10 ACRE NE ¼
CITY / STATE / ZIP CODE Phoenix, AZ, 85004-4584		LATITUDE 34 °   23 '   943" N			LONGITUDE 110 °   03 '   372" W		
CONTACT PERSON NAME AND TITLE		LAND SURFACE ELEVATION AT WELL 5960 Feet Above Sea Level					
TELEPHONE NUMBER 602 212 8551	FAX	METHOD OF LATITUDE / LONGITUDE (CHECK ONE) <input checked="" type="checkbox"/> Hand-Held					
		<input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input checked="" type="checkbox"/> GPS <input type="checkbox"/> Survey-Grade					
		COUNTY ASSESSOR'S PARCEL ID NUMBER					
		BOOK 204	MAP 8	PARCEL 012F			
		COUNTY WHERE WELL IS LOCATED Navajo					

NW

**SECTION 2. DRILLING AUTHORIZATION**

<b>Drilling Firm</b>	
NAME MCCRAY WELL DRILLING CO INC dba Willis Drig & Pump Co	
DWR LICENSE NUMBER 88	
TELEPHONE NUMBER 928-536-4414	FAX 928-536-2091

**SECTION 3. WELL CONSTRUCTION DETAILS**

DATE WELL CONSTRUCTION STARTED 12-25-04	DATE WELL CONSTRUCTION COMPLETED 1-4-05	IF FLOWING WELL, METHOD OF FLOW REGULATION <input type="checkbox"/> Valve <input type="checkbox"/> Other:
<b>Drill Method</b> 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 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):	<b>Method of Well Development</b> 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):	<b>Method of Sealing at Reduction Points</b> CHECK ONE <input checked="" type="checkbox"/> None <input type="checkbox"/> Packed <input type="checkbox"/> Swedged <input type="checkbox"/> Welded <input type="checkbox"/> Other (please specify):
<b>Water Level Information</b>		<b>ENTERED JAN 12 2005</b>
STATIC WATER LEVEL 217 Feet Below Land Surface DATE MEASURED Dec 15, 2004		

Well Driller Report and Well Log

WELL REGISTRATION NUMBER  
55 - 901337

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

Borehole			Installed Casing														
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER DIAMETER (inches)	MATERIAL TYPE (✓)				PERFORATION TYPE (✓)					SLOT SIZE IF ANY (inches)		
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED		IF OTHER TYPE, DESCRIBE	
0	20	14"	0	380	8 <sup>5</sup> / <sub>4</sub>	X				X							
20	460	11"	380	460	8 <sup>5</sup> / <sub>4</sub>	X								X			6 X 1/4

Installed Annular Material												
DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (✓)							FILTER PACK			
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE			IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE
						GROUT	CHIPS	PELLETS				
0	20			X								
20	250	X										
250	320				X							
320	460	X										

DEPTH OF BORING 460 Feet Below Land Surface	DEPTH OF COMPLETED WELL 460 Feet Below Land Surface
---	---

ENTERED JAN 12 2005

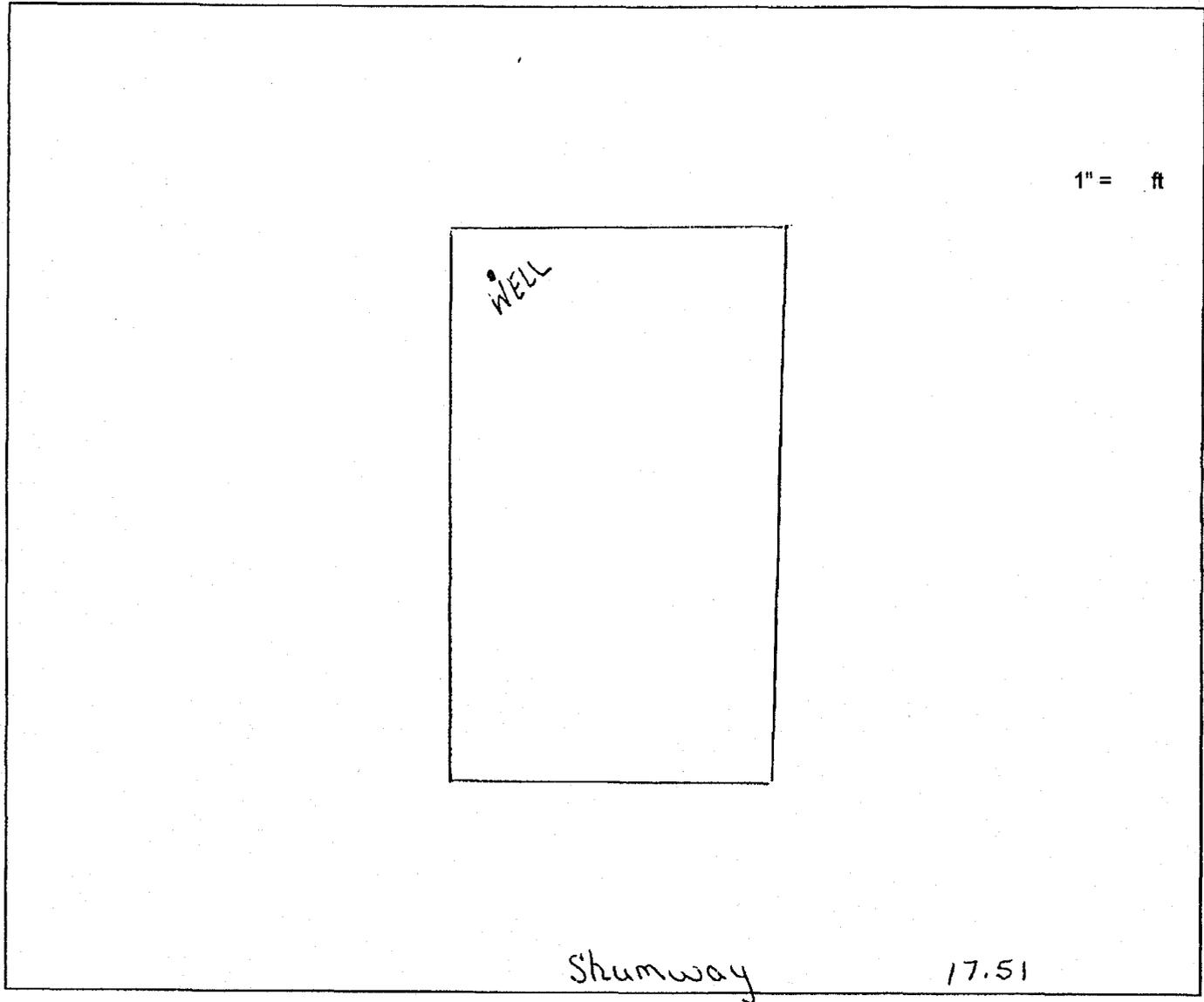


Well Driller Report and Well Log

WELL REGISTRATION NUMBER  
55 - 901337

SECTION 6. WELL SITE PLAN		
NAME OF WELL OWNER	COUNTY ASSESSOR'S PARCEL ID NUMBER	
Canyon Vista Estates LLC	BOOK 204	MAP 8 PARCEL 012F

- ❖ 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.



McCray Well Drilling Co Inc  
dba  
Willis Drilling & Pump Co  
1351 S. Main St.  
Snowflake, AZ 85937

*Kelly J Will* 1-10-05  
SIGNATURE of Qualifying Party

WELL DRILLER REPORT



This report should be prepared by the driller in all detail in accordance with the Department within 30 days following completion of the well.

1. Owner CEDAR VALLEY INC  
Name  
BOX 492 SNOWFLAKE AZ 85901  
Address

2. Lessee or Operator \_\_\_\_\_  
Name  
Address

3. Driller MCCRAY WELL DRILLING CO., INC.  
Name  
P. O. Box 728  
SNOWFLAKE, AZ. 85937  
Address

4. Location of well: 11 N 22E 6 SW 1/4 NW 1/4 NW 1/4

5. Permit No. \_\_\_\_\_  
(if issued)

DESCRIPTION OF WELL

6. Total depth of hole 360 ft.

7. Type of Casing Steel

8. Diameter and length of casing 6 in. from 350' to 360', \_\_\_\_\_ in from \_\_\_\_\_ to \_\_\_\_\_

9. Method of sealing at reduction points None

10. Perforated from 320 to 355, from \_\_\_\_\_ to \_\_\_\_\_, from \_\_\_\_\_ to \_\_\_\_\_

11. Size of cuts 1/4 x 6 Number of cuts per foot 6

12. If screen was installed: Length \_\_\_\_\_ ft. Diam \_\_\_\_\_ in. Type \_\_\_\_\_

13. Method of construction Drilled  
drilled, dug, driven, bored, jetted, etc.

14. Date started 3 05 83  
Month day year

15. Date completed 4 4 83  
Month day year

16. Depth to water 220 ft. (If flowing well, so state.)

17. Describe point from which depth measurements were made, and give sea-level elevation if available.

18. If flowing well, state method of flow regulation \_\_\_\_\_

19. REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DO NOT WRITE IN THIS SPACE  
OFFICE RECORD  
Registration No. 55-505035  
Received \_\_\_\_\_ By \_\_\_\_\_  
Entered 4.13.83 By \_\_\_\_\_  
File No. A(11-22)6bbc

MICROFILMED

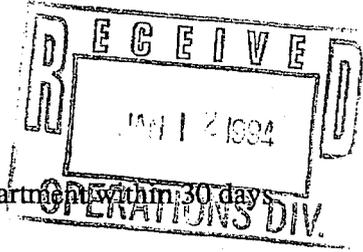
(Well log to appear on Reverse side)



ARIZONA DEPARTMENT OF WATER RESOURCES

15 South 15th Avenue  
Phoenix, Arizona 85007

WELL DRILLER REPORT



This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner Name: PATRICK Reidhead  
Address: W.M.L. Rt 2 Box 9050E Showlow AZ 85901

2. Driller Name: E.C. Cadenhead Drilling  
Address: W.M.L. Rt 2 Box 8950 Showlow AZ 85901

3. Location: 11 N/S 22 E/W 16 SE 1/4 NW 1/4 SE 1/4  
Township Range Section 10-acre 40-acre 160-acre

4. Well Registration No. 55- 540828 (Required)

5. Permit No. \_\_\_\_\_ (If issued)

DESCRIPTION OF WELL

6. Total depth of hole 350 ft.

7. Type of casing PUC

8. Diameter and length of casing 5 in. from 5 to 340, \_\_\_\_\_ in from \_\_\_\_\_ to \_\_\_\_\_.

9. Method of sealing at reduction points \_\_\_\_\_

10. Perforated from 300 to 340, from \_\_\_\_\_ to \_\_\_\_\_, from \_\_\_\_\_ to \_\_\_\_\_.

11. Size of cuts 1/8" x 12" Number of cuts per foot 2

12. If screen was installed: Length \_\_\_\_\_ ft. Diam \_\_\_\_\_ in. Type \_\_\_\_\_

13. Method of construction drilled  
(drilled, dug, driven, bored, jetted, etc)

14. Date started 11 14 93  
Month Day Year

15. Date completed 11 25 93  
Month Day Year

16. Depth to water 185 ft. (If flowing well, so state)

17. Describe point from which depth measurements were made, and give sea-level elevation if available  
\_\_\_\_\_

18. If flowing well, state method of flow regulation: \_\_\_\_\_

19. Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DO NOT WRITE IN THIS SPACE  
**ENTERED JAN 12 1994**  
Reg 55-540828  
File A(11-22)6DBD  
Rec  
Entt



STATE OF ARIZONA  
DEPARTMENT OF WATER RESOURCES  
99 EAST VIRGINIA AVENUE  
PHOENIX, ARIZONA 85004

WELL DRILLER REPORT



This report should be prepared by the driller in all detail and filed with the Department of Water Resources within 30 days following completion of the well.

- Owner Andrew T. Watts  
Name  
P.O. Box 348, Gilbert Az. 85234  
Mailing Address
- Driller McCray Well Drilling Co. Inc.  
Name  
P.O. Box 720 Snowflake, Az. 85937  
Mailing Address
- Location of well: Twp 11N Rge. 22E Sec. 6 NW $\frac{1}{4}$  SE $\frac{1}{4}$  SW $\frac{1}{4}$
- Permit No. \_\_\_\_\_  
(if issued)

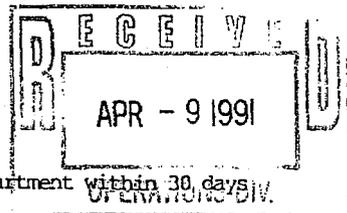
DESCRIPTION OF WELL

- Total depth of hole 352 ft.
- Type of casing Steel
- Diameter and length of casing 12 in. from 0 to 352, 0 in from \_\_\_\_\_ to \_\_\_\_\_.
- Method of sealing at reduction points No reduction
- Perforated from 285 to 350, from \_\_\_\_\_ to \_\_\_\_\_, from \_\_\_\_\_ to \_\_\_\_\_.
- Size of cuts  $\frac{1}{4}$ " X 6" Number of cuts per foot 4
- If screen was installed: Length \_\_\_\_\_ ft. Diam \_\_\_\_\_ in. Type \_\_\_\_\_
- Method of construction Drilled  
drilled, dug, driven, bored, jetted, etc.
- Date started Feb. 20 1986  
Month Day Year
- Date completed April 22 1986  
Month Day Year
- Depth to water 125 ft. (If flowing well, so state.)
- Describe point from which depth measurements were made, and give sea-level elevation if available \_\_\_\_\_
- If flowing well, state method of flow regulation: \_\_\_\_\_
- Remarks: \_\_\_\_\_

**MICROFILMED**

DO NOT WRITE IN THIS SPACE OFFICE RECORD	
Registration No. <u>55-513375</u>	
Received _____	By _____
Entered _____	By _____
File No. <u>A(11-22)6 cdb</u>	





WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

- 1. Owner Dirick C. Overham  
4567 W. Echo Lane <sup>Name</sup> Glendale, AZ. 85302  
<sub>Mailing Address</sub>
- 2. Driller McCray Well Drilling Co, Inc.  
P.O. Box 720 <sup>Name</sup> Snowflake, AZ. 85937  
<sub>Mailing Address</sub>
- 3. Location of well: Twp 11N. Rge 22E Sect 7 S6 1/4 S6 1/4 SW 1/4
- 4. Permit No. \_\_\_\_\_  
(If issued)

DESCRIPTION OF WELL

- 5. Total depth of hole 400 ft.
- 6. Type of casing Steel
- 7. Diameter and length of casing 8 in. from -1 to 400, in from \_\_\_\_\_ to \_\_\_\_\_.
- 8. Method of sealing at reduction points no reducers but sealed at 230ft. grouted
- 9. Perforated from 355 to 400, from \_\_\_\_\_ to \_\_\_\_\_, from \_\_\_\_\_ to \_\_\_\_\_.
- 10. Size of cuts 1/4" x 6 Number of cuts per foot 8
- 11. If screen was installed: Length no ft. Diam \_\_\_\_\_ in. Type \_\_\_\_\_
- 12. Method of construction drilled - Rotary & Cable tool  
drilled, dug, driven, bored, jetted, etc
- 13. Date started 12 3 90  
Month Day Year
- 14. Date completed 4 8 91  
Month Day Year
- 15. Depth to water 245 ft. (If flowing well, so state)
- 16. Describe point from which depth measurements were made, and give sea-level elevation if available \_\_\_\_\_

- 17. If flowing well, state method of flow regulation: \_\_\_\_\_
- 18. Remarks: backfilled with mud sl  
on gravel  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

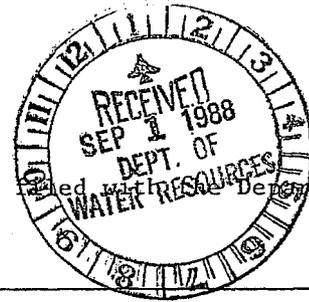
DO	55-527958
REG. No.	A(11-22)7cdd
File No.	_____
Entered	<b>ENTERED APR - 9 1991</b> By _____

**MICROFILMED**



STATE OF ARIZONA  
DEPARTMENT OF WATER RESOURCES  
99 EAST VIRGINIA AVENUE  
PHOENIX, ARIZONA 85004

WELL DRILLER REPORT



This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

- Owner Derek C. Overham  
Name  
4567 W. Echo lane Glendale AZ. 85302  
Mailing Address
- Driller McCray well drilling Co. Inc.  
Name  
P.O. Box 720 Snowflake AZ. 85937  
Mailing Address
- Location of well: Twp 11N Rg 22E Sect 7 SW 1/4 SE 1/4 SW 1/4
- Permit No. \_\_\_\_\_  
(if issued)

DESCRIPTION OF WELL

- Total depth of hole 380 ft.
- Type of casing Steel
- Diameter and length of casing 8 in. from 0 to 380, 0 in from \_\_\_\_\_ to \_\_\_\_\_
- Method of sealing at reduction points N/A
- Perforated from 330 to 375, from \_\_\_\_\_ to \_\_\_\_\_, from \_\_\_\_\_ to \_\_\_\_\_
- Size of cuts 1/4" x 6 Number of cuts per foot 6
- If screen was installed: Length N/A ft. Diam \_\_\_\_\_ in. Type \_\_\_\_\_
- Method of construction drilled  
drilled, dug, driven, bored, jetted, etc.
- Date started 7 10 88  
Month Day Year
- Date completed 8 20 88  
Month Day Year
- Depth to water \_\_\_\_\_ ft. (If flowing well, so state.)
- Describe point from which depth measurements were made, and give sea-level elevation if available \_\_\_\_\_
- If flowing well, state method of flow regulation: \_\_\_\_\_
- Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**MICROFILMED**

55-518989  
A(11-22)-7-cdc  
Enter **ENTERED SEP 02 1988** By \_\_\_\_\_



ARIZONA DEPARTMENT OF WATER RESOURCES  
15 South 15th Avenue  
Phoenix, Arizona 85007

DEPARTMENT OF WR

FEB 18 1994

WELL DRILLER REPORT *WS*

OPERATIONS DIV.

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner Name: Lone Pine Landfill, Govern. Financing Corp. *c/o Navajo Cty. Director of Public Works*  
Address: P.O. Box 668 Holbrook, AZ 86025
2. Driller Name: H-F Drilling, Inc.,  
Address: 1150 West Trenton Avenue, Orange CA 92667
3. Location: 11 N/S 22 E/W 11 NE 1/4 NW 1/4 NW 1/4  
Township Range Section 10-acre 40-acre 160-acre
4. Well Registration No. 55-541766 (Required)
5. Permit No. \_\_\_\_\_ (If issued)

DESCRIPTION OF WELL

6. Total depth of hole 429 ft.
7. Type of casing 8-inch mild steel
8. Diameter and length of casing 8 in. from \_\_\_\_\_ to 299, 8 in from 424 to 429.
9. Method of sealing at reduction points N/A
10. Perforated from 299" to 424, from \_\_\_\_\_ to \_\_\_\_\_, from \_\_\_\_\_ to \_\_\_\_\_.
11. Size of cuts .040" wire wrap Number of cuts per foot \_\_\_\_\_
12. If screen was installed: Length 125 ft. Diam 8 in. Type .040" wire wrap  
mild steel
13. Method of construction air & mud rotary  
(drilled, dug, driven, bored, jetted, etc)
14. Date started 12/27/93
15. Date completed 01/12/94
16. Depth to water 242 TOC - confined ft. (If flowing well, so state)
17. Describe point from which depth measurements were made, and give sea-level elevation if available  
top of casing/sounding port - north side 6063.6 = TOC  
6060 = ground surface
18. If flowing well, state method of flow regulation: N/A
19. Remarks: 80-115 gpm pump set  
at 36'

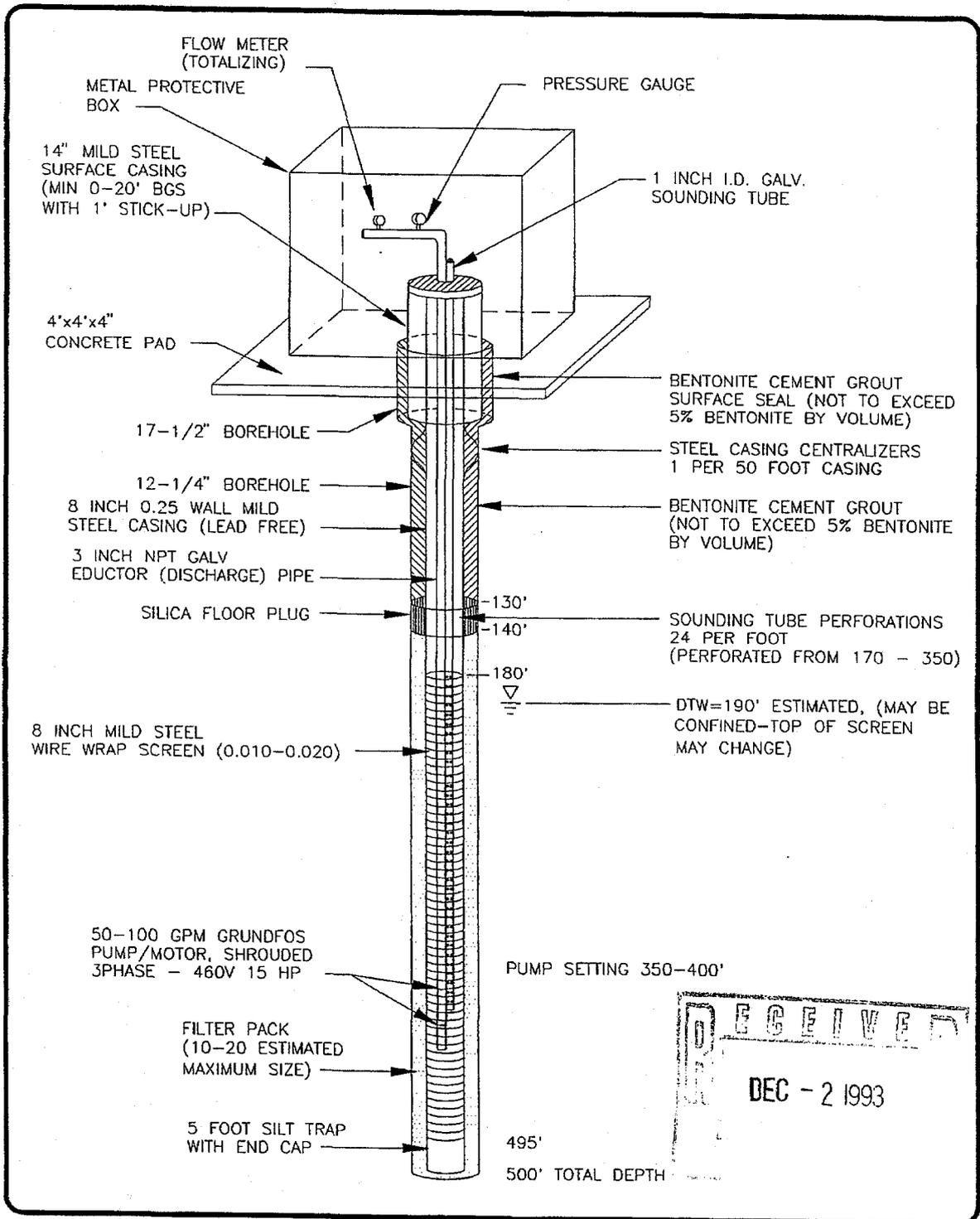
**MICROFILMED**

DO NOT WRITE IN THIS SPACE

55-541766  
A(11-22)18BBA

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Enter

ENTERED FEB 22 1994



**Emcon Associates**

DRAWN BY: GAL      DATE LAST REVISED: 11-23-93

LONE PINE GOVERNMENTAL FINANCING  
 LONE PINE TRANSFER STATION  
 WATER SUPPLY WELL PRELIMINARY DESIGN  
 NAVAJO COUNTY, ARIZONA  
 WATER SUPPLY WELL PRELIMINARY DESIGN

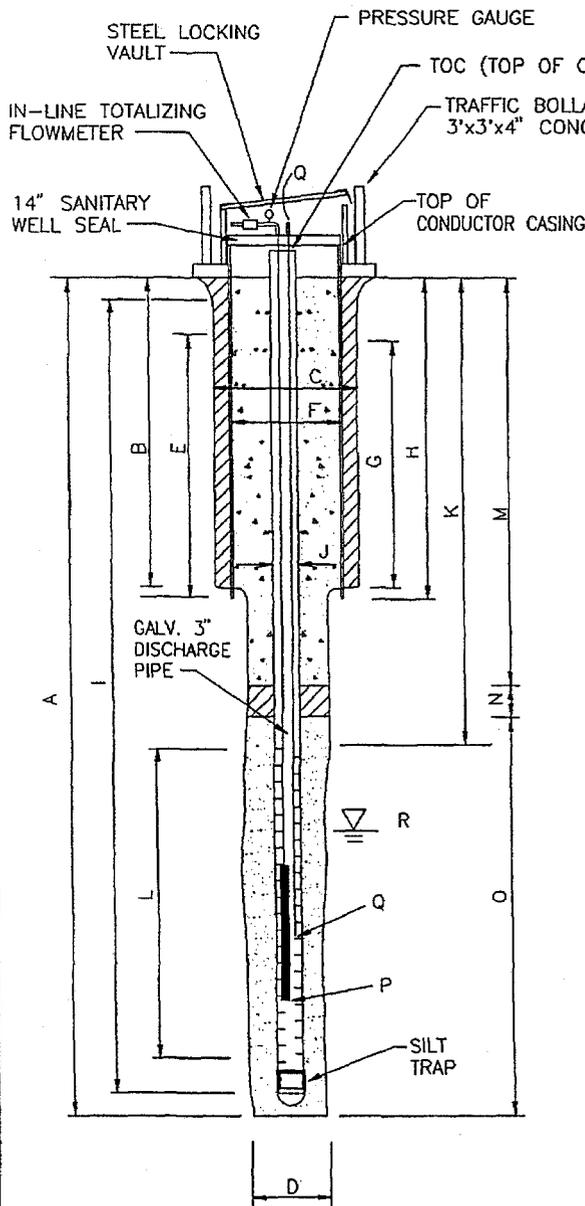
FIGURE  
**1**  
 PROJECT NO.  
 2093-110.58

**WATER SUPPLY WELL PRELIMINARY DESIGN**



FEB 18 1994

OPERATIONS DIV.



NOT TO SCALE

EXPLORATORY BORING

- A. TOTAL DEPTH: 434'
- B. UPPER BORING DEPTH: 13'
- C. UPPER BORING DIAMETER: 20"
- D. LOWER BORING DIAMETER: 12-1/4"  
DRILLING METHOD: AIR & MUD ROTARY

CONDUCTOR CASING

- E. CASING LENGTH: 13'  
MATERIAL: MILD STEEL  
CENTRALIZERS: EVERY 50'
- F. DIAMETER: 14"  
STICK-UP: 3.2'
- G. UPPER (OUTER) SEAL: 13'  
SEAL MATERIAL: BENTONITE CEMENT GROUT
- H. DEPTH: 13'

WELL CONSTRUCTION

- I. TOTAL CASING LENGTH: 429' (BGS)  
MATERIAL: MILD STEEL  
BLANK CASING/SILT TRAP: 424-429'
- J. DIAMETER: 8"
- K. DEPTH TO TOP PERFORATIONS: 299'
- L. PERFORATED LENGTH: 125'  
PERFORATED INTERVAL: 299' TO 424'  
PERFORATION TYPE: CONTINUOUS WIRE WRAP  
PERFORATION SIZE: 0.040  
CENTRALIZERS: EVERY 20'
- M. BACKFILL: 0-246'  
BACKFILL MATERIAL: BENTONITE-CEMENT GROUT
- N. SEAL: 246-258'  
SEAL MATERIAL: #0/30 LONE STAR SAND
- O. GRAVEL PACK: 268-429'  
PACK MATERIAL: 8-16 LONE STAR SAND
- P. DEPTH OF PUMP INTAKE: 363'  
PUMP TYPE: 15H GRUNDFOS PUMP  
& HITACHI MOTOR
- Q. DEPTH OF SOUNDING TUBE: 350'  
PERFORATED INTERVAL: 200-350'  
SOUNDING TUBE MATERIAL: 1" GALV. PIPE
- R. DEPTH TO WATER: 242'



**EMCON**  
Associates

LONE PINE GOV. FINANCING CORPORATION  
LONE PINE TRANSFER STATION  
WATER SUPPLY WELL AS-BUILT  
SHOW LOW, ARIZONA

WATER SUPPLY WELL WS-1

FIGURE

PROJECT NO.  
2726-300.01

DRAWN BY: TDC

DATE LAST REVISED: 2/7/94

CAD FILE 72630001 KRISTIE

# LOG OF EXPLORATORY BORING

PROJECT NUMBER 2726-300.01

BORING NO. WS-1

PROJECT NAME Lone Pine Transfer Station

PAGE 1 OF 9

BY K. Kilgore DATE 12/28/93

SURFACE ELEV. ft.

			GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO- GRAPHIC COLUMN	DESCRIPTION	WELL DETAIL
				5			<p><b>BASALT-</b> Gray (6/N6). Dry. Small vesicles (2-3mm) ~30%. Some vesicles filled with carbonates. Some phenocrysts visible with 10X lens (very fine). Possibly quartz, olivine. (Locally known as Malapai Basalt).</p>	
				10			As above.	
				15			As above.	
				20				
				25				
				30			<p><b>BASALT-</b> Grey to black with ash. Very fine grained grey sand. Otherwise as above, but more pulverized by rig.</p>	
				35				
				40			Color change to very dark gray. Increase in quartz phenocrysts. Increase grain size (no ash).	
				45				
				50				



**REMARKS**  
The borehole was drilled by HF Drilling, Inc. using a RT-1800 direct air rotary rig.

DEPARTMENT OF WR

FEB 18 1994

**NOT TO BE REPRODUCED WITHOUT PERMISSION**

# LOG OF EXPLORATORY BORING

PROJECT NUMBER 2726-300.01

BORING NO. WS-1

PROJECT NAME Lone Pine Transfer Station

PAGE 2 OF 9

BY K. Kilgore DATE 12/28/93

SURFACE ELEV. ft.

			GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO- GRAPHIC COLUMN	DESCRIPTION	WELL DETAIL
				55			Very fine crystals of olivine visible, 15-10%. ~10-15% quartz. Added water to hole to reduce dust.	
				60				
				65				
				70				
				75				
				80			@80' - Sudden drop of bit 1' <b>TOP OF MOENKOPI FORMATION</b>	
				85			<b>CLAY(CH)-</b> Light reddish brown (5YR 6/4). Medium stiffness. High plasticity. Medium to high dry strength. Dry to slightly moist. Alternating with mudstone and siltstone (same color).	
				90				
				95				
				100				

DEPARTMENT OF WR

FEB 18 1994

OPERATIONS DIV.

**REMARKS**

The borehole was drilled by HF Drilling, Inc. using a 1 1/2" 1800 direct air rotary rig.



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# LOG OF EXPLORATORY BORING

PROJECT NUMBER 2726-300.01

BORING NO. WS-1

PROJECT NAME Lone Pine Transfer Station

PAGE 3 OF 9

BY K. Kilgore DATE 12/28/93

SURFACE ELEV. ft.

			GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-GRAPHIC COLUMN	DESCRIPTION	WELL DETAIL
				105			MUDSTONE (MS)- Dark reddish grey (5YR 4/2).	
				110				
				115			@115'-120' - Color and lithologic change.	
				120			SILTSTONE- Dark reddish brown (5YR 3/4) to dusky red (2.5YR 4/4). Calcareous cementation, moderate reaction with HCl. Well indurated. With thin beds of very fine grained dark reddish brown sandstone. Wet @120'.	
				125			SANDSTONE (SS)- Dark reddish brown. @120-130'. Very fine grained. Wet. calcareous cementation. Hard. Moderate reaction with HCl.	
				130				
				135				
				140				
				145			Thin layers of MUDSTONE: brown (7.5YR 5/3) in sandstone. Dry.	
				150				

DEPARTMENT OF WAR



**REMARKS**

The borehole was drilled by HF Drilling, Inc. using a RT 1800 direct air rotary rig.

FEB 18 1994

OPERATIONS DIV.

MICROFILMED

# LOG OF EXPLORATORY BORING

PROJECT NUMBER 2726-300.01

BORING NO. WS-1

PROJECT NAME Lone Pine Transfer Station

PAGE 4 OF 9

BY K. Kilgore DATE 12/28/93

SURFACE ELEV. ft.

			GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO- GRAPHIC COLUMN	DESCRIPTION	WELL DETAIL
				155		[Dotted pattern]	<p><b>TOP OF WUPATKI SANDSTONE</b> Brown (7.5YR 5/3) sandstone @155'. Very fine grained. Clacareous cementation. Dry.</p>	
				160		[Dotted pattern]	<p><b>SANDSTONE (SS)-</b> Brownish yellow (10YR 6/6). No reaction with HCl. Well cemented. Very fine grained.</p>	
				165		[Dotted pattern]		
				170		[Dotted pattern]	<p>As above, but slight increase in grain size to mostly fine and little medium sand. No reaction with HCl. (Basal Wupatki Sandstone).</p>	
				175		[Dotted pattern]		
				180		[Diagonal hatching]	<p><b>TOP OF KAIBAB FORMATION</b> <b>UNCONSOLIDATED CLAYEY GRAVEL (GC)-</b> Poorly sorted. Mostly 1/2" subrounded chert and sandstone. 25-30% poorly sorted subrounded sand. Clay matrix. Sand- coarse quartz, olivine, and jasper. No reaction with HCl.</p>	
				185		[Diagonal hatching]		
				190		[Diagonal hatching]		
				195		[Diagonal hatching]		
				200		[Diagonal hatching]		

**REMARKS**

The borehole was drilled by HF Drilling, Inc. using a RT 1800 direct air rotary rig.

DEPARTMENT OF WR

FEB 18 1994

OPERATIONS DIV.



MICROFILMED

# LOG OF EXPLORATORY BORING

PROJECT NUMBER 2726-300.01

BORING NO. WS-1

PROJECT NAME Lone Pine Transfer Station

PAGE 5 OF 9

BY K. Kilgore DATE 12/28/93

SURFACE ELEV. ft.

			GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO- GRAPHIC COLUMN	DESCRIPTION	WELL DETAIL
				205				
				210			Fossiliferous cherts. Crinoids calyx imprints, sponges.	
				215				
				220			@220' - Gravel has increasing content (~20%) subangular dolomitic sandstone gravel. No reaction with HCl. Decreased chert content.	
				225				
				230			<b>TOP OF COCONINO SANDSTONE (SS)-</b> @~225'-230': pink to very pale brown (7.5YR 7/3 - 10YR 7/3) fine grained sandstone. Well indurated. No reaction with HCl. Moderate to strong cementation.	
				235				
				240				
				245				
				250				

**REMARKS**

The borehole was drilled by HF Drilling, Inc. using a RT 1800 direct air rotary rig.

DEPARTMENT OF WR

FEB 18 1994

OPERATIONS DIV.



**EMCON**  
ASSOCIATES

MICROFILMED

# LOG OF EXPLORATORY BORING

PROJECT NUMBER 2726-300.01

BORING NO. WS-1

PROJECT NAME Lone Pine Transfer Station

PAGE 6 OF 9

BY K. Kilgore DATE 12/28/93

SURFACE ELEV. ft.

			GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO- GRAPHIC COLUMN	DESCRIPTION	WELL DETAIL
				255				
				260				
				265				
				270				
				275			<p>Foam added to hole @275'.  <b>COCONINO SANDSTONE (SS)</b>- Very pale brown (10YR8/4) to yellow (10YR 8/3) to white (2.5YR 8/2). Very fine grained, uniform, well rounded, well sorted sand. Ranging from very strong silica cemented to unconsolidated (joints and fractures)/ loose. Water @270'-275' (top). Water encountered @275', rose to 242'.</p>	
				280				
				285				
				290				
				295				
				300				

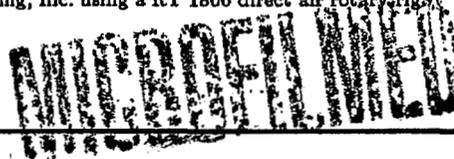
**REMARKS**

The borehole was drilled by HD Drilling, Inc. using a RT 1800 direct air rotary rig.

DEPARTMENT OF WR

FEB 18 1994

OPERATIONS DIV.



# LOG OF EXPLORATORY BORING

PROJECT NUMBER 2726-300.01

BORING NO. WS-1

PROJECT NAME Lone Pine Transfer Station

PAGE 7 OF 9

BY K. Kilgore DATE 12/28/93

SURFACE ELEV. ft.

			GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO- GRAPHIC COLUMN	DESCRIPTION	WELL DETAIL
				305			@305' - Decision to convert to mud. Cannot maintain borehole stability.	
				310				
				315				
				320			As above.	
				325				
				330				
				335				
				340				
				345			Decrease in penetration rate per driller.	
				350				



**REMARKS**

The borehole was drilled by HF Drilling, Inc. using a RT 1800 direct air rotary rig.

DEPARTMENT OF WR

FEB 18 1994

OPERATIONS DIV.

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# LOG OF EXPLORATORY BORING

PROJECT NUMBER 2726-300.01

BORING NO. WS-1

PROJECT NAME Lone Pine Transfer Station

PAGE 8 OF 9

BY K. Kilgore DATE 12/28/93

SURFACE ELEV. ft.

			GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO- GRAPHIC COLUMN	DESCRIPTION	WELL DETAIL
				355				
				360				
				365				
				370				
				375				
				380				
				385				
				390				
				395				
				400				

**REMARKS**

The borehole was drilled by HE Drilling, Inc. using a RT 1800 direct air rotary rig.

DEPARTMENT OF WR

FEB 18 1994

OPERATIONS DIV



MICROFILMED

# LOG OF EXPLORATORY BORING

PROJECT NUMBER 2726-300.01

BORING NO. WS-1

PROJECT NAME Lone Pine Transfer Station

PAGE 9 OF 9

BY K. Kilgore DATE 12/28/93

SURFACE ELEV. ft.

			GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-GRAPHIC COLUMN	DESCRIPTION	WELL DETAIL
				405			Fine grained, unconsolidated @400'-410'.	
				410			Well cemented.	
				415				
				420				
				425				
				430				
				435			<b>TOTAL DEPTH AT 433 FEET</b>	
				440			Target depth was 500 feet. Very slow penetration (5' in >1.5 hrs.). Very well cemented. Driller reports bit following a joint/fracture smaller than bit diameter. Decision made to terminate boring before target depth.	
				445				
				450				



REMARKS  
The borehole was drilled by HF Drilling, Inc. using a RT 1800 direct air rotary rig.

DEPARTMENT OF WR  
FEB 18 1994  
OPERATIONS DIV.

MICROFILMED

MICROFILMED

**Southwest Geophysical Services, Inc.**

GEOPHYSICAL WELL LOG: SONG  
 PERM DATUM: GL  
 LOG MEASURED FROM: GL  
 OTHER SERVICES: GMA/NEUTRON/CAL ELOG

COMPANY: EMCON  
 PROJECT/FIELD: W-1  
 SHOW LOW

LOCATION: COUNTY: NAHVALO T: # STATE: ARIZONA ELEVATION: RB: 0 FT. OF: 0

DATE	RUN NO. 1	RUN NO. 2	FLUID LEVEL	RUN NO. 1
12-30-83	10	10	10	10
DEPTH DRILLER	432 FT	FLUID NATURE	DRILLING MUD	
DEPTH LOGGER	432 FT	FLUID RESISTIVITY		
BOTTOM LOGGED	432 FT	FL. RES. @ B.T.L.		
TOP LOGGED INT.	20 FT	FL. RES. @ B.T.L.		
CASING LEVEL	20 FT	CIRCULATION TEMP		
CASING SIZE	8"	BOI HOLE TEMP		
CASING SET	7 7/8"	TOOL #	SONIC	
BT SIZE	8"	LOGGED BY:	S. LANGFORD	
BT SIZE	8"	WITNESSED BY:	K. KILGORE	

REMARKS:  
 DRILLING CO.: H-F DRILLING FULLERTON, CA  
 THANK YOU

**Southwest Geophysical Services, Inc.**

GEOPHYSICAL WELL LOG: SONG  
 PERM DATUM: GL  
 LOG MEASURED FROM: GL  
 OTHER SERVICES: GMA/NEUTRON/CAL ELOG

COMPANY: EMCON  
 PROJECT/FIELD: W-1  
 SHOW LOW

LOCATION: COUNTY: NAHVALO T: # STATE: ARIZONA ELEVATION: RB: 0 FT. OF: 0

DATE	RUN NO. 1	RUN NO. 2	FLUID LEVEL	RUN NO. 1
12-30-83	10	10	10	10
DEPTH DRILLER	432 FT	FLUID NATURE	DRILLING MUD	
DEPTH LOGGER	432 FT	FLUID RESISTIVITY		
BOTTOM LOGGED	432 FT	FL. RES. @ B.T.L.		
TOP LOGGED INT.	20 FT	FL. RES. @ B.T.L.		
CASING LEVEL	20 FT	CIRCULATION TEMP		
CASING SIZE	8"	BOI HOLE TEMP		
CASING SET	7 7/8"	TOOL #	SONIC	
BT SIZE	8"	LOGGED BY:	S. LANGFORD	
BT SIZE	8"	WITNESSED BY:	K. KILGORE	

REMARKS:  
 DRILLING CO.: H-F DRILLING FULLERTON, CA  
 THANK YOU

**Southwest Geophysical Services, Inc.**

GEOPHYSICAL WELL LOG: CHAMBERLAIN  
 PERM DATUM: GL  
 LOG MEASURED FROM: GL  
 OTHER SERVICES: ELOG SONIC

COMPANY: EMCON  
 PROJECT/FIELD: W-1  
 SHOW LOW

LOCATION: COUNTY: NAHVALO T: # STATE: ARIZONA ELEVATION: RB: 0 FT. OF: 0

DATE	RUN NO. 1	RUN NO. 2	FLUID LEVEL	RUN NO. 1
12-30-83	30	30	30	30
DEPTH DRILLER	432 FT	FLUID NATURE	DRILLING MUD	
DEPTH LOGGER	432 FT	FLUID RESISTIVITY		
BOTTOM LOGGED	432 FT	FL. RES. @ B.T.L.		
TOP LOGGED INT.	20 FT	FL. RES. @ B.T.L.		
CASING LEVEL	20 FT	CIRCULATION TEMP		
CASING SIZE	8"	BOI HOLE TEMP		
CASING SET	7 7/8"	TOOL #	SONIC	
BT SIZE	8"	LOGGED BY:	S. LANGFORD	
BT SIZE	8"	WITNESSED BY:	K. KILGORE	

REMARKS:  
 DRILLING CO.: H-F DRILLING FULLERTON, CA  
 THANK YOU

**Southwest Geophysical Services, Inc.**

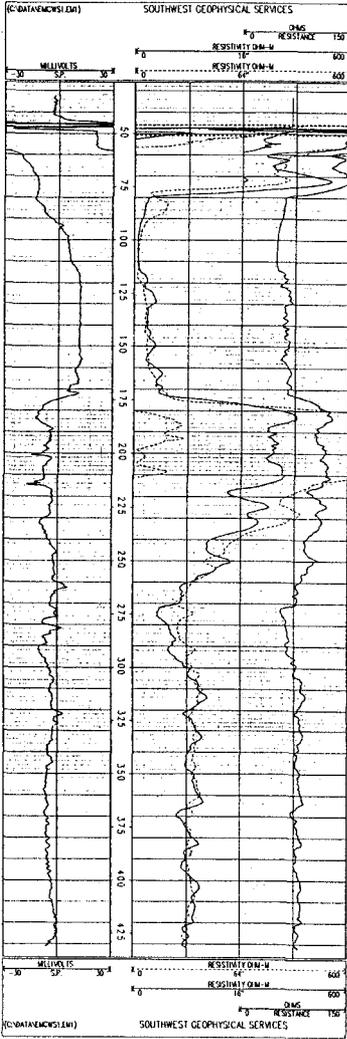
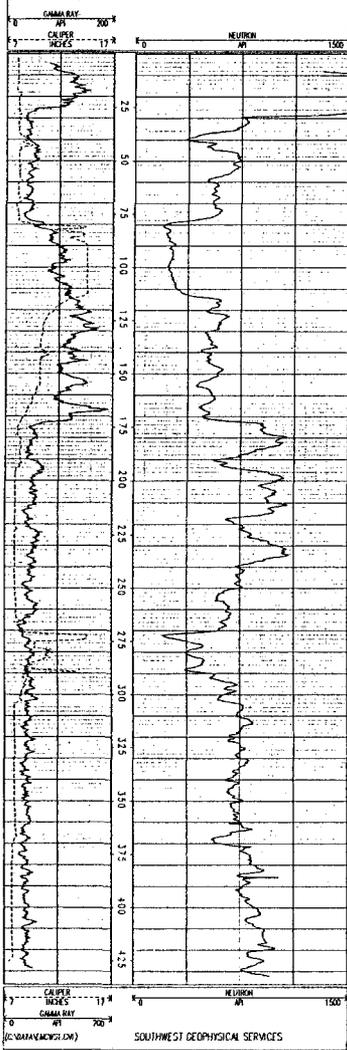
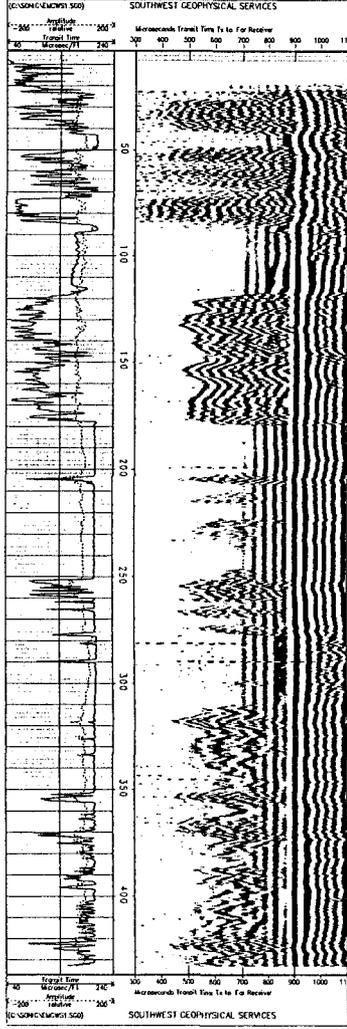
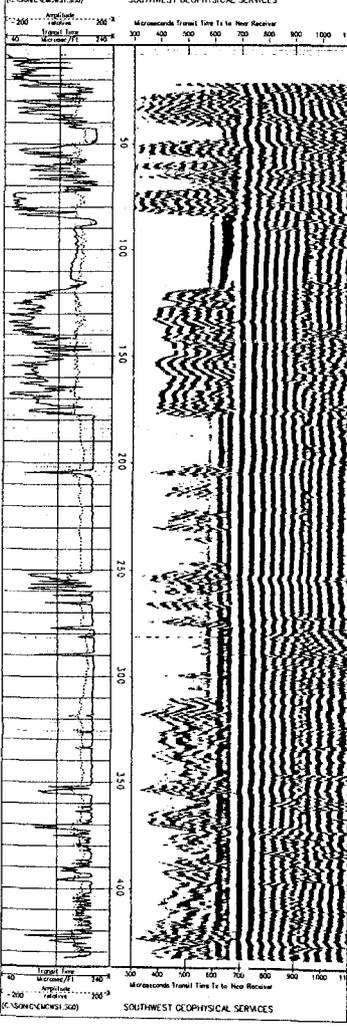
GEOPHYSICAL WELL LOG: CHAMBERLAIN  
 PERM DATUM: GL  
 LOG MEASURED FROM: GL  
 OTHER SERVICES: GMA/NEUTRON/CAL SONIC

COMPANY: EMCON  
 PROJECT/FIELD: W-1  
 SHOW LOW

LOCATION: COUNTY: NAHVALO T: # STATE: ARIZONA ELEVATION: RB: 0 FT. OF: 0

DATE	RUN NO. 1	RUN NO. 2	FLUID LEVEL	RUN NO. 1
12-30-83	30	30	30	30
DEPTH DRILLER	432 FT	FLUID NATURE	DRILLING MUD	
DEPTH LOGGER	432 FT	FLUID RESISTIVITY		
BOTTOM LOGGED	432 FT	FL. RES. @ B.T.L.		
TOP LOGGED INT.	20 FT	FL. RES. @ B.T.L.		
CASING LEVEL	20 FT	CIRCULATION TEMP		
CASING SIZE	8"	BOI HOLE TEMP		
CASING SET	7 7/8"	TOOL #	SONIC	
BT SIZE	8"	LOGGED BY:	S. LANGFORD	
BT SIZE	8"	WITNESSED BY:	K. KILGORE	

REMARKS:  
 DRILLING CO.: H-F DRILLING FULLERTON, CA  
 THANK YOU



STATE OF ARIZONA

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner Navajo County Name \_\_\_\_\_  
Holbrook, AZ 86025 Address \_\_\_\_\_

2. Lessee or Operator Name \_\_\_\_\_  
Address \_\_\_\_\_

3. Driller A to Z Drilling & Pump Service Name \_\_\_\_\_  
P.O. Box 263, Taylor, AZ 85939 Address \_\_\_\_\_



4. Location of well: \_\_\_\_\_

5. Permit No. \_\_\_\_\_  
(if issued)

DESCRIPTION OF WELL

6. Total depth of hole 300 ft.

7. Type of Casing steel

8. Diameter and length of casing 12 in. from 0 to 300, \_\_\_\_\_ in from \_\_\_\_\_ to \_\_\_\_\_

9. Method of sealing at reduction points none

10. Perforated from 130 to 300, from \_\_\_\_\_ to \_\_\_\_\_, from \_\_\_\_\_ to \_\_\_\_\_

11. Size of cuts 3/16" x 6" Number of cuts per foot 4

12. If screen was installed: Length \_\_\_\_\_ ft. Diam \_\_\_\_\_ in. Type none

13. Method of construction Drilled  
drilled, dug, driven, bored, jetted, etc.

14. Date started March 18 1985  
Month day year

15. Date completed April 10, 1985  
Month day year

16. Depth to water 60 ft. (If flowing well, so state.)

17. Describe point from which depth measurements were made, and give sea-level elevation if available.  
ground level  
Sea-level elevation 5750

18. If flowing well, state method of flow regulation \_\_\_\_\_

19. REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DO NOT WRITE IN THIS SPACE  
OFFICE RECORD  
Registration No. 55-510558  
Received \_\_\_\_\_ By \_\_\_\_\_  
Entered 10-21-85 By S.V.  
File No. A(11-21)23 dbd

**MICROFILMED**

(Well log to appear on Reverse side)

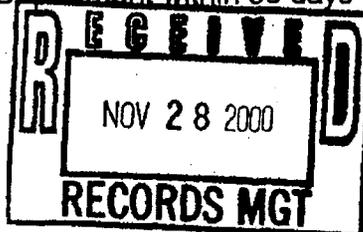


ARIZONA DEPARTMENT OF WATER RESOURCES

500 North 3rd Street  
Phoenix, Arizona 85004

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.



1. H.E. BEEMAN WELL DRILLING  
P.O. BOX 1498  
SHOW LOW, AZ 85901-1498

2. Owner Name: Frank Emery Marion 1724 E. Redfield Rd  
Address: Tempe, AZ 85283  
City State Zip

3. Location: 10 DS 21 EW 1 1/4 SW 1/4 NW 1/4 NW  
Township Range Section 10-acre 40-acre 160-acre

4. Well Registration No. 55-583531 (Required)

5. Permit No. \_\_\_\_\_ (If Issued)

DESCRIPTION OF WELL

- 6. Total depth of hole 620 ft.
- 7. Type of casing Steel
- 8. Diameter and length of casing 8 in. from 0 to 20, 5 in from 0 to 620
- 9. Method of sealing at reduction points Welded
- 10. Perforated from 600 to 620, from \_\_\_\_\_ to \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_
- 11. Size of cuts 1/8 x 6 Number of cuts per foot 10
- 12. If screen was installed: Length \_\_\_\_\_ ft. Diam \_\_\_\_\_ in. Type \_\_\_\_\_
- 13. Method of construction Drilled  
(drilled, dug, driven, bored, jetted, etc)
- 14. Date started Oct 13 00  
Month Day Year
- 15. Date completed Oct 16 00  
Month Day Year
- 16. Depth to water 540 ft. (If flowing well, so state)
- 17. Describe point from which depth measurements were made, and give sea level elevation if available
- 18. If flowing well, state method of flow regulation: \_\_\_\_\_

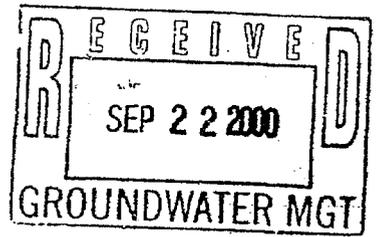
19. Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

RECEIVED NOV 30 2000

RECEIVED NOV 9 2000

DO NOT WRITE IN THIS SPACE  
OFFICE RECORD

Registration No. 55- 583531  
File No. A(10-21) 1 BCC  
Received \_\_\_\_\_ By \_\_\_\_\_  
Entered \_\_\_\_\_ By \_\_\_\_\_

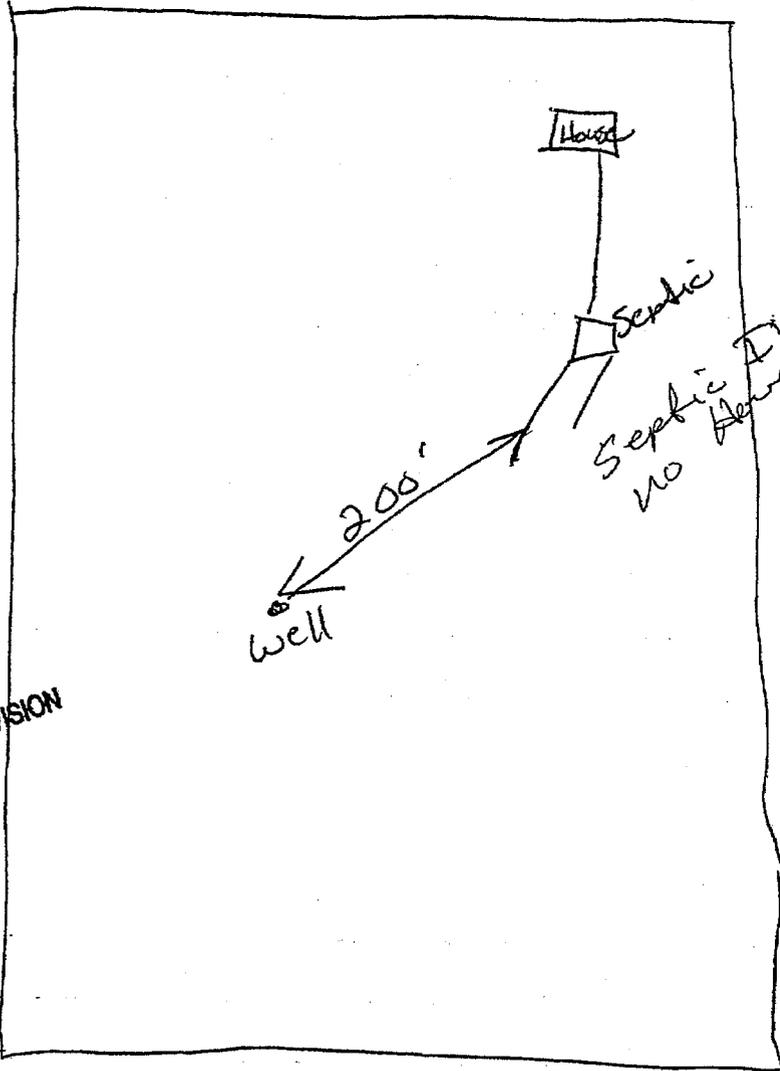


363

South



599



NAVAJO COUNTY  
DEVELOPMENT SERVICES  
PLANNING AND BUILDING DIVISION

Hwy 260

Fernk mersion

5 Acres

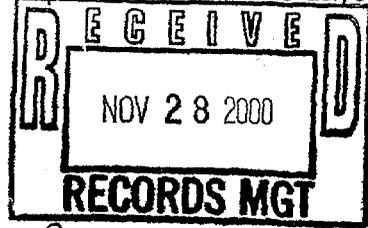
Juniper Ridge Property Parcel # 209-02-009D



ARIZONA DEPARTMENT OF WATER RESOURCES  
500 North 3rd Street  
Phoenix, Arizona 85004

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.



- H.E. BEEMAN WELL DRILLING  
P.O. BOX 1498  
SHOW LOW, AZ 85901-1498
- Owner Name: Allen Brian Brendevold P.O. Box 1537  
Address: Taylor, AZ 85939  
City State Zip
- Location: 10 N 21 E 1 1/4 NW 1/4 SW 1/4 SW  
Township Range Section 10-acre 40-acre 160-acre
- Well Registration No. 55-582572 (Required)
- Permit No. \_\_\_\_\_ (If Issued)

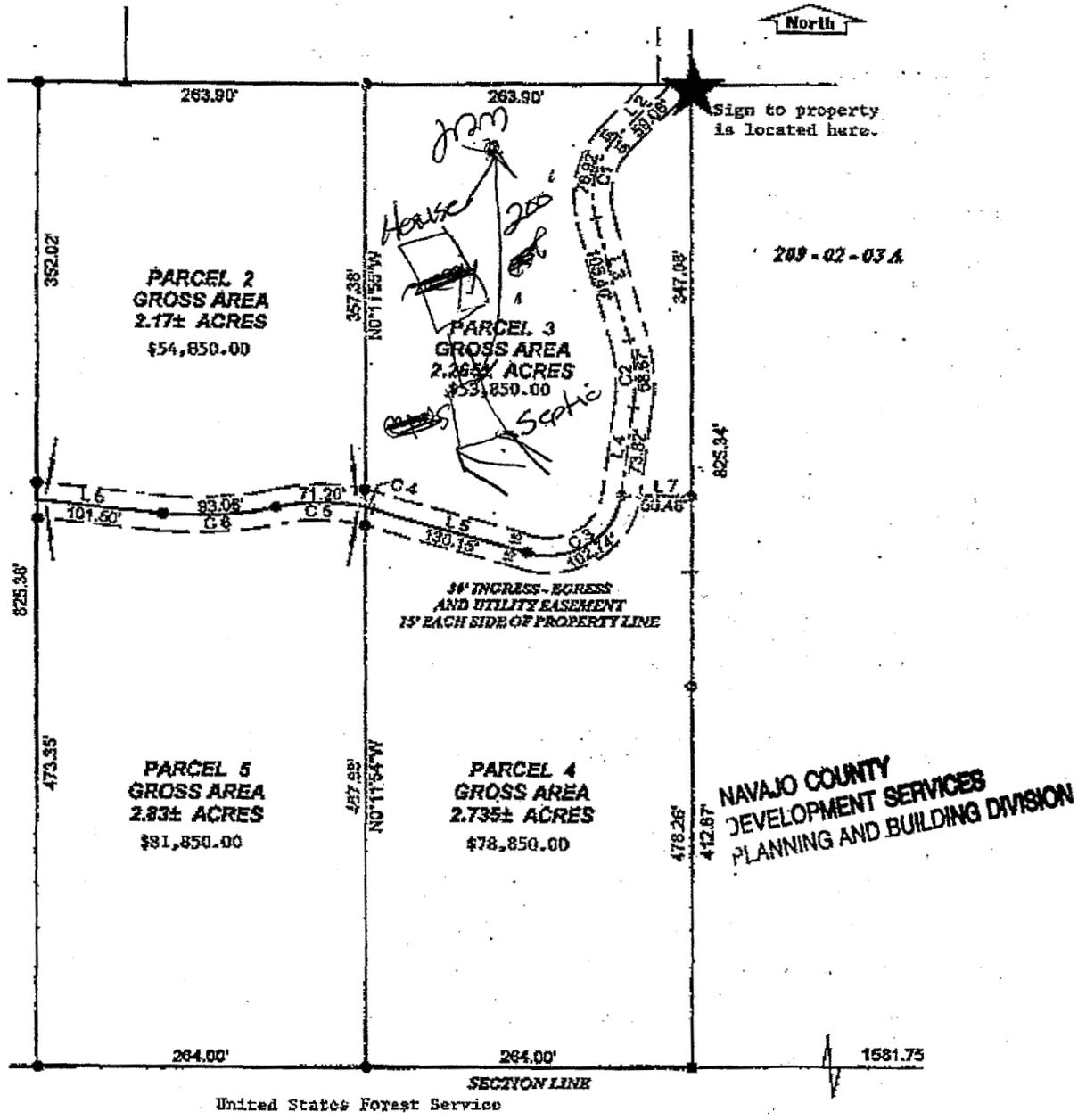
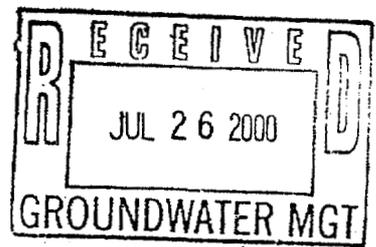
DESCRIPTION OF WELL

- Total depth of hole 590 ft.
- Type of casing Steel
- Diameter and length of casing 8 in. from 0 to 20, 0 in from 590 to \_\_\_\_\_
- Method of sealing at reduction points welded
- Perforated from 570 to 590, from \_\_\_\_\_ to \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_
- Size of cuts 1/8 x 6 Number of cuts per foot 10
- If screen was installed: Length \_\_\_\_\_ ft. Diam \_\_\_\_\_ in. Type \_\_\_\_\_
- Method of construction Drilled  
(drilled, dug, driven, bored, jetted, etc)
- Date started Sept 22 00  
Month Day Year
- Date completed Sept 28 00  
Month Day Year
- Depth to water 540 ft. (If flowing well, so state)
- Describe point from which depth measurements were made, and give sea level elevation if available
- If flowing well, state method of flow regulation: \_\_\_\_\_
- Remarks: \_\_\_\_\_

DO NOT WRITE IN THIS SPACE  
OFFICE RECORD  
Registration No. 55- 582572  
File No. A(10-21) 1 CCB  
Received \_\_\_\_\_ By \_\_\_\_\_  
Entered \_\_\_\_\_ By \_\_\_\_\_

RECEIVED NOV 28 2000

# Frank M. Smith & Associates, Inc.



For more information, please call:  
**Frank M. Smith, CRB**  
 Office: (520) 369-4000  
 Phoenix: (602) 258-3311

P.O. Box 1368 • Pinetop, Arizona 85935 • E-mail: fsrealty@whitemtns.com • Website: <http://www.resortaz.com>  
 Pinetop: (520) 369-4000 • Phoenix: (602) 258-3311 • Facsimile: (520) 369-1383



# LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	10	Topsoil
10	80	Red Sand
80	230	White "
230	320	tanish yellow sand
320	510	White
510	540	Reddish Sand
540	580	White "
580	590	Dark Red Sand

I hereby certify that this well was drilled by me (or under by supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller Name: H.E. BEEMAN WELL DRILLING

P.O. BOX 1498

Street

SHOW LOW, AZ 85901-1498

City

State

Zip

Phone No.

Signature of Driller

Date

**APPENDIX C**

**WATER QUALITY**

C-1



Arizona Department of Environmental Quality  
Water Quality Compliance Assurance Unit  
1110 W. Washington Street, 5415B-1  
Phoenix, AZ 85007

Drinking Water Compliance Status Report

Public Water System Name: Silver Well Service Corp.

Public Water System ID #: 09-027

Public Water System Type:  CO  Non-transient Non-community  Transient Non-community

Overall Compliance Status:  No Major Deficiencies  Major Deficiencies

Monitoring and Reporting Status:  No Major Deficiencies  Major Deficiencies

Comments:

Operation and Maintenance Status:  No Major Deficiencies  Major Deficiencies

Comments:

Major unresolved/ongoing operation and maintenance deficiencies:

- |   |   |
|---|---|
| <input type="checkbox"/> unable to maintain 20psi           | <input type="checkbox"/> inadequate storage           |
| <input type="checkbox"/> cross connection/backflow problems | <input type="checkbox"/> surface water treatment rule |
| <input type="checkbox"/> treatment deficiencies             | <input type="checkbox"/> approval of construction     |
| <input type="checkbox"/> certified operator                 | <input type="checkbox"/> other                        |

Date of last inspection / sanitary survey: 5-13-02

**Administrative Orders:**

Is an ADEQ administrative order in effect?  Yes  No

Comments:

**System Information:**

Number of Points of Entry 1 Number of Sources 1 Population Served 706

Service Connections 752 Initial Monitoring Year 1994 Initial MAP Year 2000

Evaluation completed by: Jim Puckett

Phone: 602-771-4649 Date: 10-31-05

Based upon data submitted by the water system, ADEQ has determined that this system is currently delivering water that meets water quality standards required by Arizona Administrative Code, Title 18, Chapter 4. This compliance status report does not guarantee the water quality for this system in the future. This compliance status report does not reflect the status of any other water system owned by this utility company.

**Arizona Department of Environmental Quality**  
**Water Quality Compliance Assurance Unit**  
1110 W. Washington Street, 5415B-1  
Phoenix, AZ 85007

**Drinking Water Compliance Status Report**

**Public Water System Name:** Bourdon Ranch Estates

**Public Water System ID #:** 09-049

**Public Water System Type:**  CO  Non-transient Non-community  Transient Non-community

**Overall Compliance Status:**  No Major Deficiencies  Major Deficiencies

**Monitoring and Reporting Status:**  No Major Deficiencies  Major Deficiencies  
Comments:

**Operation and Maintenance Status:**  No Major Deficiencies  Major Deficiencies  
Comments:

Major unresolved/ongoing operation and maintenance deficiencies:

- |   |   |
|---|---|
| <input type="checkbox"/> unable to maintain 20psi           | <input type="checkbox"/> inadequate storage           |
| <input type="checkbox"/> cross connection/backflow problems | <input type="checkbox"/> surface water treatment rule |
| <input type="checkbox"/> treatment deficiencies             | <input type="checkbox"/> approval of construction     |
| <input type="checkbox"/> certified operator                 | <input type="checkbox"/> other                        |

Date of last inspection / sanitary survey: 7-1-03

**Administrative Orders:**

Is an ADEQ administrative order in effect?  Yes  No

Comments:

**System information:**

Number of Points of Entry 1      Number of Sources 1      Population Served 81

Service Connections 29      Initial Monitoring Year 1997      Initial MAP Year 2000

**Evaluation completed by:** **Jim Puckett**

**Phone:** 602-771-4649      **Date:** 1-5-06

Based upon data submitted by the water system, ADEQ has determined that this system is currently delivering water that meets water quality standards required by Arizona Administrative Code, Title 18, Chapter 4. This compliance status report does not guarantee the water quality for this system in the future. This compliance status report does not reflect the status of any other water system owned by this utility company.

>>>> LABORATORY INFORMATION <<<<<  
To be filled out by laboratory personnel

SPECIMEN NUMBER: 01/17/05 17:00 (24 hr clock)  
5010717-01 Sample date Sample time

ID Number AZ0004 Name: Legend Technical Services, Inc.

Comments: \_\_\_\_\_

Authorized Signature: Barbara Frank

Date Public Water System Notified: \_\_\_\_\_

\*\*\* RADIOCHEMICAL ANALYSIS \*\*\*  
>>> To be filled out by laboratory personnel <<<

Analysis Method	MCL Value	MDL Value	Contaminant Name	Cont. Code	Analysis Run Date	Results	Exceeds MCL
EPA 600/00-02	15 Pci/l	3 Pci/l	Gross Alpha** 4000		01/21/05	9.8 +/- 4.6	<input type="checkbox"/>
	5 Pci/l		Combined Radium (226,228)	4010	01/24/05	<0.5	<input type="checkbox"/>
		1 Pci/l	Radium 226	4020	01/24/05	<0.5	<input checked="" type="checkbox"/>
		1 Pci/l	Radium 228	4030	01/24/05	<0.5	<input checked="" type="checkbox"/>
	4 mrem	3pCi/l	Gross Beta	4100			<input type="checkbox"/>
	20,000 Pci/l***		Tritium	4102			<input type="checkbox"/>
	8 Pci/l***		Strontium-90	4174			<input type="checkbox"/>

>>>> LABORATORY INFORMATION <<<<<  
To be filled out by laboratory personnel

SPECIMEN NUMBER: 01/17/05 17:00 (24 hr clock)  
5010717-01 Sample date Sample time

ID Number AZ0004 Name: Legend Technical Services, Inc.

Comments: Radiochemistry performed by Radiation Safety Engineering, Chandler, AZ. #A20462.

Authorized Signature: Barbara Frank

Date Public Water System notified: \_\_\_\_\_

\* A composite radiochemical sample means four quarterly samples from a single source only.

\*\* Gross alpha is the value of all alpha particle emitters except for uranium and radon 222. Radium 226 is included in the reported gross alpha value. All units are reported in picocuries per liter (Pci/l) EXCEPT for gross beta which is reported in millirem per year.

\*\*\* These values are assumed to produce a total body or organ dose of 4 millirem per year.

**\*\*\* ASBESTOS \*\*\***

**>>> To be filled out by Laboratory Personnel <<<**

Analysis Method	MCL Value	Contaminant Name	Cont. Code	Analysis Run Date	Results	Exceeds MCL
EPA 100.1	7MFL	Asbestos	1094	01/25/05	<5.2	<input type="checkbox"/>

**>>>> LABORATORY INFORMATION <<<<<**

**To be filled out by laboratory personnel**

SPECIMEN NUMBER: 01/17/05 17:00 (24 hr clock)  
5010717-01 Sample date Sample time

ID Number AZ0004 Name: Legend Technical Services, Inc.

Comments: Asbestos analyzed by Fiberquant, Phoenix, AZ: #AZ0633.

Authorized Signature: *[Signature]*

Date Public Water System Notified: \_\_\_\_\_

**\*\*\* MICROBIOLOGICAL ANALYSIS \*\*\***

**>>>To be filled out by laboratory personnel<<<**

Analysis Method	MCL Value	Contaminant Name	Cont. Code	Test Start Date/Time	Analysis Run Date/Time	Result
SM 9223B	Present/ 1 or more Coliform	Total Coliform	3000			

**ONLY REPORT FECAL RESULT IF TOTAL COLIFORM RESULT IS POSITIVE**

Analysis Method	MCL Value	Contaminant Name	Cont. Code	Test Start Date/Time	Analysis Run Date/Time	Result
	Present/ 1 or more Coliform	E. Coli or Fecal Coliform	3013			

**>>>> LABORATORY INFORMATION <<<<<**

**To be filled out by laboratory personnel**

SPECIMEN NUMBER: 01/17/05 17:00 (24 hr clock)  
5010717-01 Sample date Sample time

ID Number AZ0004 Name: Legend Technical Services, Inc.

Comments: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

Date Public Water System Notified: \_\_\_\_\_

DWAR 9: Revised March 11, 2002



**\*\*\*SYNTHETIC ORGANIC CHEMICAL ANALYSIS\*\*\***  
**>>>To be filled out by laboratory Personnel<<<**

Analysis Method	MCL Value	Trigger Value	Contaminant Name	Cont. Code	Analysis Run Date/Time	Results	Exceeds MCL	Exceeds Trigger
EPA 515.3	0.07	.0001	2,4-D	2105	01/25/05	<0.0001	<input type="checkbox"/>	<input type="checkbox"/>
EPA 515.3	0.05	.0002	2,4,5-TP (Silvex)	2110	01/25/05	<0.0002	<input type="checkbox"/>	<input type="checkbox"/>
EPA 525.2	0.002	.0002	Alachlor	2051	01/26/05	<0.0002	<input type="checkbox"/>	<input type="checkbox"/>
EPA 505	0.003	.001	Toxaphene	2020	01/25/05	<0.001	<input type="checkbox"/>	<input type="checkbox"/>
EPA 525.2	0.003	.0001	Atrazine	2050	01/26/05	<0.0001	<input type="checkbox"/>	<input type="checkbox"/>
EPA 531.1	0.04	.0009	Carbofuran	2046	01/24/05	<0.0009	<input type="checkbox"/>	<input type="checkbox"/>
EPA 515.3	0.001	.00004	Pentachlorophenol	2326	01/25/05	<0.00004	<input type="checkbox"/>	<input type="checkbox"/>
EPA 505	0.002	.0002	Chlordane	2959	01/25/05	<0.0002	<input checked="" type="checkbox"/>	<input type="checkbox"/>
EPA 504.1	0.0002	.00002	Dibromochloropropane(DBCP)	2931	01/21/05	<0.00002	<input type="checkbox"/>	<input type="checkbox"/>
EPA 504.1	0.00005	.00001	Ethylene Dibromide(EDB)	2946	01/21/05	<0.00001	<input type="checkbox"/>	<input type="checkbox"/>
EPA 525.2	0.0004	.00004	Heptachlor	2065	01/26/05	<0.00004	<input checked="" type="checkbox"/>	<input type="checkbox"/>
EPA 525.2	0.0002	.00002	Heptachlor Epoxide	2067	01/26/05	<0.00002	<input checked="" type="checkbox"/>	<input type="checkbox"/>
EPA 525.2	0.0002	.00002	Lindane	2010	01/26/05	<0.00002	<input type="checkbox"/>	<input type="checkbox"/>
EPA 525.2	0.04	.0001	Methoxychlor	2015	01/26/05	<0.0001	<input type="checkbox"/>	<input type="checkbox"/>
	0.0005	.0001	PCB:Polychlorinated Biphenyls*	2383			<input type="checkbox"/>	<input type="checkbox"/>
EPA 525.2	0.0002	.00002	Benzo (a) Pyrene	2306	01/26/05	<0.00002	<input type="checkbox"/>	<input type="checkbox"/>
EPA 515.3	0.2	.001	Dalapon	2031	01/25/05	<0.001	<input type="checkbox"/>	<input type="checkbox"/>
EPA 525.2	0.006	.0006	Di(2-ethylhexyl)phthalate	2039	01/26/05	<0.0006	<input type="checkbox"/>	<input checked="" type="checkbox"/>
EPA 525.2	0.4	.0006	Di(2-ethylhexyl)adipate	2035	01/26/05	<0.0006	<input type="checkbox"/>	<input type="checkbox"/>
EPA 515.3	0.007	.0002	Dinoseb	2041	01/25/05	<0.0002	<input type="checkbox"/>	<input type="checkbox"/>
EPA 1613B	3x10 <sup>-8</sup>	5x10 <sup>-9</sup>	2,3,7,8-TCDD (Dioxin)	2063	01/26/04	<5 x 10 <sup>-9</sup>	<input type="checkbox"/>	<input type="checkbox"/>
EPA 549.2	0.02	.0004	Diquat	2032	01/25/05	<0.0004	<input type="checkbox"/>	<input type="checkbox"/>
EPA 548.1	0.1	.009	Endothal	2033	01/25/05	<0.009	<input type="checkbox"/>	<input type="checkbox"/>
EPA 525.2	0.002	.00001	Endrin	2005	01/26/05	<0.00001	<input type="checkbox"/>	<input type="checkbox"/>
EPA 547	0.7	.006	Glyphosate	2034	01/27/05	<0.006	<input type="checkbox"/>	<input type="checkbox"/>
EPA 525.2	0.001	.0001	Hexachlorobenzene	2274	01/26/05	<0.0001	<input type="checkbox"/>	<input type="checkbox"/>
EPA 525.2	0.05	.0001	Hexachlorocyclopentadiene	2042	01/26/05	<0.0001	<input type="checkbox"/>	<input type="checkbox"/>
EPA 531.1	0.2	.002	Oxamyl	2036	01/24/05	<0.002	<input type="checkbox"/>	<input type="checkbox"/>
EPA 515.3	0.5	.0001	Picloram	2040	01/25/05	<0.0001	<input type="checkbox"/>	<input type="checkbox"/>
EPA 525.2	0.004	.00007	Simazine	2037	01/26/05	<0.00007	<input type="checkbox"/>	<input type="checkbox"/>

\* Aroclor results may be submitted in lieu of PCB

**>>>>LABORATORY INFORMATION<<<<**  
**To be filled out by laboratory personnel**

SPECIMEN NUMBER: 01/17/05 17:00 (24 hr clock)  
5010717-01 Sample date Sample time

ID Number AZ0004 Name: Legend Technical Services, Inc.

Comments: EPA 504, 505, 515, 525, 531, 548, 549 performed by Environmental Health Laboratories, South Bend, IN: #AZ0432.  
EPA 1613B performed by Pace Analytical Services, Minneapolis, MN: #A20014

Authorized Signature: *Barbara Clark*

Date Public Water System Notified: \_\_\_\_\_



ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY  
**DRINKING WATER SOURCE APPROVAL FORM**  
SAMPLES TO BE TAKEN AT SOURCE ONLY  
>>>> PUBLIC WATER SYSTEM INFORMATION <<<<  
>>>> TO BE FILLED OUT BY SYSTEM PERSONNEL <<<<

System ID#	<u>Canyon Vista Estates LLC</u>	System Name	
<u>01/17/05</u>	<u>17:00</u> (24 hr clock)		
Sample date	Sample time		
ADEQ Project Number		<u>55-901337</u>	Well ID Number
NEW SYSTEM YES <input type="checkbox"/> NO <input type="checkbox"/>			
NEW P.O.E. YES <input type="checkbox"/> NO <input type="checkbox"/>			Surface Water Intake ID Number
<u>Curtis Winder</u>		<u>(602) 212-8551</u>	Owner/Contact Person Phone Number
Owner/Contact Person Name			
		<u>Well Head</u>	
Owner/Contact Fax Number		SAMPLING SITE ID	
SAMPLE TYPE		SAMPLE COLLECTION POINT/ID	
<input checked="" type="checkbox"/> Compliance Monitoring		Point of Entry#	

This form is intended to be completely filled out and ALL pages submitted together for all microbiological and chemical tests detailed on this form. If more than one laboratory participated in the analyses, please attach a copy of the original laboratory report, signed by the performing laboratory, to the back of this form. **ALL RESULTS SHALL BE REPORTED IN MILLIGRAMS PER LITER (MG/L) UNLESS OTHERWISE SPECIFIED.**

**PLEASE MAIL THIS COMPLETED FORM TO:**

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY  
TECHNICAL REVIEW UNIT  
DRINKING WATER SECTION (MO - 248C)  
3033 NORTH CENTRAL AVE., PHOENIX, AZ 85012

Arizona Department of Environmental Quality  
**Drinking Water Additional Radiochemical Analysis Report**  
 \*\*\*Samples To Be Taken At POE Only\*\*\*

System ID \_\_\_\_\_ System Name \_\_\_\_\_  
 01/17/2005 17:00

Sample Date \_\_\_\_\_ Sample Time \_\_\_\_\_ Owner/Contact Person \_\_\_\_\_

POE# \_\_\_\_\_ Owner/Contact Fax Number \_\_\_\_\_

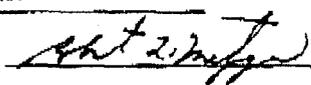
COMPLIANCE SAMPLE TYPE

- Reduced Monitoring Date Q1 Collected \_\_\_\_\_  
 Quarterly Date Q2 Collected \_\_\_\_\_  
 Composite of four quarterly samples Date Q3 Collected \_\_\_\_\_  
 Date Q4 Collected \_\_\_\_\_

**\*\*\*RADIOCHEMICAL ANALYSIS\*\*\***  
 >>>To be filled out by laboratory personnel<<<

Analysis Method	MCL	Reporting Limit	Contaminant Name	Cont. Code	Analyses Run Date	Result	Exceed MCL
	15 pCi/L		Adjusted Gross Alpha	4000			
600/00-02		3 pCi/L	Gross Alpha	4002	01/21/2005	9.8±4.6	
7500 - Rn			Radon	4004			
00-07	30 µg/L	(reserved)	Combined Uranium	4006			
			Uranium 234	4007			
			Uranium 235	4008			
			Uranium 238	4009			
	5 pCi/L	1 pCi/L	Combined Radium (226,228)	4010	01/24/2005	<0.5	
903.1		1 pCi/L	Radium 226	4020	01/24/2005	<0.5	
904.0		1 pCi/L	Radium 228	4030	01/24/2005	<0.5	

**\*\*\*LABORATORY INFORMATION\*\*\***  
 >>>To be filled out by laboratory personnel<<<

Specimen Number: 5010717-01  
 Lab ID Number: AZ0462 Lab Name: Radiation Safety Engineering, Inc.  
 Comments: 24165 Authorized Signature:   
 Date Public Water System Notified: \_\_\_\_\_

**ARIZONA DEPARTMENT OF WATER RESOURCES  
OFFICE OF ASSURED WATER SUPPLY  
500 NORTH THIRD STREET  
PHOENIX, ARIZONA 85004  
PHONE: (602) 417-2465 FAX: (602) 417-2467**

**SUPPLEMENT TO APPLICATION FOR A WATER ADEQUACY REPORT**

**NOTICE OF INTENT TO SERVE**

Municipal Water Provider Name (please type or print): WATCO

ADEQ Public Water System Number (please indicate the number valid for this subdivision): \_\_\_\_\_

Subdivision/Development Name: Canyon Vista Estates

The undersigned municipal water provider agrees to provide to the development indicated above an amount of water sufficient to satisfy the water demands of the development as stated in the application for an assured water supply or water adequacy. This Notice of Intent to Serve is conditioned upon the provider's receipt of necessary approvals from the Arizona Corporation Commission and other regulatory agencies, and the provider's receipt of all necessary payments.

The municipal water provider, if a private water company, further attests that the subject development is either within the boundaries of the company's existing Certificate of Convenience and Necessity or that a formal request has been filed with the Arizona Corporation Commission to extend the boundaries to include the development.

This Notice of Intent to Serve agreement is agreed to under the signature of an agent of the municipal water provider authorized to sign the agreement:

Name of Municipal Water Provider's authorized agent (please type or print)

Mark Grapp

Signature of Authorized Agent of Municipal Water Provider

Date

  
\_\_\_\_\_

2-7-06

Arizona Department of Environmental Quality  
Water Quality Compliance Assurance Unit  
1110 W. Washington Street, 5415B-1  
Phoenix, AZ 85007

Drinking Water Compliance Status Report

Public Water System Name: Silver Well Service Corp.

Public Water System ID #: 09-027

Public Water System Type:  CO  Non-transient Non-community  Transient Non-community

Overall Compliance Status:  No Major Deficiencies  Major Deficiencies

Monitoring and Reporting Status:  No Major Deficiencies  Major Deficiencies  
Comments:

Operation and Maintenance Status:  No Major Deficiencies  Major Deficiencies  
Comments:

Major unresolved/ongoing operation and maintenance deficiencies:

- |   |   |
|---|---|
| <input type="checkbox"/> unable to maintain 20psi           | <input type="checkbox"/> inadequate storage           |
| <input type="checkbox"/> cross connection/backflow problems | <input type="checkbox"/> surface water treatment rule |
| <input type="checkbox"/> treatment deficiencies             | <input type="checkbox"/> approval of construction     |
| <input type="checkbox"/> certified operator                 | <input type="checkbox"/> other                        |

Date of last inspection / sanitary survey: 5-13-02

**Administrative Orders:**

Is an ADEQ administrative order in effect?  Yes  No

Comments:

**System Information:**

Number of Points of Entry 1 Number of Sources 1 Population Served 706

Service Connections 752 Initial Monitoring Year 1994 Initial MAP Year 2000

Evaluation completed by: Jim Puckett

Phone: 602-771-4649

Date: 10-31-05

Based upon data submitted by the water system, ADEQ has determined that this system is currently delivering water that meets water quality standards required by Arizona Administrative Code, Title 18, Chapter 4. This compliance status report does not guarantee the water quality for this system in the future. This compliance status report does not reflect the status of any other water system owned by this utility company.

**Arizona Department of Environmental Quality**  
**Water Quality Compliance Assurance Unit**  
1110 W. Washington Street, 5415B-1  
Phoenix, AZ 85007

**Drinking Water Compliance Status Report**

**Public Water System Name:** Bourdon Ranch Estates

**Public Water System ID #:** 09-049

**Public Water System Type:**  CO  Non-transient Non-community  Transient Non-community

**Overall Compliance Status:**  No Major Deficiencies  Major Deficiencies

**Monitoring and Reporting Status:**  No Major Deficiencies  Major Deficiencies  
Comments:

**Operation and Maintenance Status:**  No Major Deficiencies  Major Deficiencies  
Comments:

Major unresolved/ongoing operation and maintenance deficiencies:

- |   |   |
|---|---|
| <input type="checkbox"/> unable to maintain 20psi           | <input type="checkbox"/> inadequate storage           |
| <input type="checkbox"/> cross connection/backflow problems | <input type="checkbox"/> surface water treatment rule |
| <input type="checkbox"/> treatment deficiencies             | <input type="checkbox"/> approval of construction     |
| <input type="checkbox"/> certified operator                 | <input type="checkbox"/> other                        |

Date of last inspection / sanitary survey: 7-1-03

**Administrative Orders:**

Is an ADEQ administrative order in effect?  Yes  No  
Comments:

**System information:**

Number of Points of Entry 1      Number of Sources 1      Population Served 81

Service Connections 29      Initial Monitoring Year 1997      Initial MAP Year 2000

**Evaluation completed by:** Jim Puckett

**Phone:** 602-771-4649      **Date:** 1-5-06

Based upon data submitted by the water system, ADEQ has determined that this system is currently delivering water that meets water quality standards required by Arizona Administrative Code, Title 18, Chapter 4. This compliance status report does not guarantee the water quality for this system in the future. This compliance status report does not reflect the status of any other water system owned by this utility company.

>>>> LABORATORY INFORMATION <<<<<  
To be filled out by laboratory personnel

SPECIMEN NUMBER: 01/17/05 17:00 (24 hr clock)  
5010717-01 Sample date Sample time

ID Number AZ0004 Name: Legend Technical Services, Inc.

Comments: \_\_\_\_\_

Authorized Signature: *Burman Frank*

Date Public Water System Notified: \_\_\_\_\_

\*\*\* RADIOCHEMICAL ANALYSIS \*\*\*  
>>> To be filled out by laboratory personnel <<<<

Analysis Method	MCL Value	MDL Value	Contaminant Name	Cont. Code	Analysis Run Date	Results	Exceeds MCL
EPA 600/00-02	15 Pci/l	3 Pci/l	Gross Alpha**4000		01/21/05	9.8 +/- 4.6	<input type="checkbox"/>
	5 Pci/l		Combined Radium (226,228)	4010	01/24/05	<0.5	<input type="checkbox"/>
		1 Pci/l	Radium 226	4020	01/24/05	<0.5	<input type="checkbox"/>
		1 Pci/l	Radium 228	4030	01/24/05	<0.5	<input type="checkbox"/>
	4 mrem	3pCi/l	Gross Beta	4100			<input type="checkbox"/>
	20,000 Pci/l***		Tritium	4102			<input type="checkbox"/>
	8 Pci/l***		Strontium-90	4174			<input type="checkbox"/>

>>>> LABORATORY INFORMATION <<<<<  
To be filled out by laboratory personnel

SPECIMEN NUMBER: 01/17/05 17:00 (24 hr clock)  
5010717-01 Sample date Sample time

ID Number AZ0004 Name: Legend Technical Services, Inc.

Comments: Radiochemistry performed by Radiation Safety Engineering, Chandler, AZ: #A20462

Authorized Signature: *Burman Frank*

Date Public Water System notified: \_\_\_\_\_

\* A composite radiochemical sample means four quarterly samples from a single source only.

\*\* Gross alpha is the value of all alpha particle emitters except for uranium and radon 222. Radium 226 is included in the reported gross alpha value. All units are reported in picocuries per liter (Pci/l) EXCEPT for gross beta which is reported in millirem per year.

\*\*\* These values are assumed to produce a total body or organ dose of 4 millirem per year.

**\*\*\* ASBESTOS \*\*\***

**>>> To be filled out by Laboratory Personnel <<<**

Analysis Method	MCL Value	Contaminant Name	Cont. Code	Analysis Run Date	Results	Exceeds MCL
EPA 100.1	7MPL	Asbestos	1094	01/25/05	<5.2	<input type="checkbox"/>

**>>>> LABORATORY INFORMATION <<<<<**  
**To be filled out by laboratory personnel**

SPECIMEN NUMBER: 01/17/05 17:00 (24 hr clock)  
5010717-01 Sample date Sample time

ID Number AZ0004 Name: Legend Technical Services, Inc.

Comments: Asbestos analyzed by Fiberquant, Phoenix, AZ: #AZ0633.

Authorized Signature: *[Handwritten Signature]*

Date Public Water System Notified: \_\_\_\_\_

**\*\*\* MICROBIOLOGICAL ANALYSIS \*\*\***

**>>> To be filled out by laboratory personnel <<<**

Analysis Method	MCL Value	Contaminant Name	Cont. Code	Test Start Date/Time	Analysis Run Date/Time	Result
SM 9223B	Present/ 1 or more Coliform	Total Coliform	3000			

**ONLY REPORT FECAL RESULT IF TOTAL COLIFORM RESULT IS POSITIVE**

Analysis Method	MCL Value	Contaminant Name	Cont. Code	Test Start Date/Time	Analysis Run Date/Time	Result
	Present/ 1 or more Coliform	E. Coli or Fecal Coliform	3013			

**>>>> LABORATORY INFORMATION <<<<<**  
**To be filled out by laboratory personnel**

SPECIMEN NUMBER: 01/17/05 17:00 (24 hr clock)  
5010717-01 Sample date Sample time

ID Number AZ0004 Name: Legend Technical Services, Inc.

Comments: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

Date Public Water System Notified: \_\_\_\_\_

DWAR 9: Revised March 11, 2002

**\*\*\*AROCLOR (PCBs SCREENING TEST)\*\*\***

>>>To be filled out by laboratory personnel<<<

Analysis Method	Trigger Value	Contaminant Name	Cont. Code	Analysis Run Date	Results*	Exceeds** Trigger
EPA 505	0.00008	Aroclor 1016	2388	01/25/05	<0.00008	<input type="checkbox"/>
EPA 505	0.02	Aroclor 1221	2390	01/25/05	<0.02	<input type="checkbox"/>
EPA 505	0.0005	Aroclor 1232	2392	01/25/05	<0.0005	<input type="checkbox"/>
EPA 505	0.0003	Aroclor 1242	2394	01/25/05	<0.0003	<input type="checkbox"/>
EPA 505	0.0001	Aroclor 1248	2396	01/25/05	<0.0001	<input type="checkbox"/>
EPA 505	0.0001	Aroclor 1254	2398	01/25/05	<0.0001	<input type="checkbox"/>
EPA 505	0.0002	Aroclor 1260	2400	01/25/05	<0.0002	<input type="checkbox"/>

**>>>>LABORATORY INFORMATION<<<<<**

To be filled out by laboratory personnel

SPECIMEN NUMBER: 5010717-01      01/17/05      17:00 (24 hr clock)  
 Sample date      Sample time

ID Number AZ0004      Name: Legend Technical Services, Inc.

Comments: EPA 505 performed by Environmental Health Laboratories, South Bend, IN; #AZ0432.

Authorized Signature: *William Frank*

Date Public Water System Notified: \_\_\_\_\_

**\*\*\* VOLATILE ORGANIC CHEMICALS ANALYSIS \*\*\***

>>> To be filled out by Laboratory Personnel <<<

Analysis Method	MCL Value	MDL/Trigger Value	Contaminant Name	Cont. Code	Analysis Run Date/Time	Results	Exceeds MCL	Exceeds Trigger
EPA 524.2	0.007	0.0005	1,1-Dichloroethylene	2977	01/27/05	<0.0005	<input type="checkbox"/>	<input type="checkbox"/>
EPA 524.2	0.2	0.0005	1,1,1-Trichloroethane	2981	01/27/05	<0.0005	<input type="checkbox"/>	<input type="checkbox"/>
EPA 524.2	0.005	0.0005	1,1,2-Trichloroethane	2985	01/27/05	<0.0005	<input type="checkbox"/>	<input type="checkbox"/>
EPA 524.2	0.005	0.0005	1,2-Dichloroethane	2980	01/27/05	<0.0005	<input type="checkbox"/>	<input type="checkbox"/>
EPA 524.2	0.005	0.0005	1,2-Dichloropropane	2983	01/27/05	<0.0005	<input type="checkbox"/>	<input type="checkbox"/>
EPA 524.2	0.005	0.0005	Benzene	2990	01/27/05	<0.0005	<input type="checkbox"/>	<input type="checkbox"/>
EPA 524.2	0.005	0.0005	Carbon Tetrachloride	2982	01/27/05	<0.0005	<input type="checkbox"/>	<input type="checkbox"/>
EPA 524.2	0.07	0.0005	cis-1,2-Dichloroethylene	2380	01/27/05	<0.0005	<input type="checkbox"/>	<input type="checkbox"/>
EPA 524.2	0.7	0.0005	Ethylbenzene	2992	01/27/05	<0.0005	<input type="checkbox"/>	<input type="checkbox"/>
EPA 524.2	0.1	0.0005	(mono)chlorobenzene	2989	01/27/05	<0.0005	<input type="checkbox"/>	<input type="checkbox"/>
EPA 524.2	0.6	0.0005	o-Dichlorobenzene	2968	01/27/05	<0.0005	<input type="checkbox"/>	<input type="checkbox"/>
EPA 524.2	0.075	0.0005	para-Dichlorobenzene	2969	01/27/05	<0.0005	<input type="checkbox"/>	<input type="checkbox"/>
EPA 524.2	0.1	0.0005	Styrene	2996	01/27/05	<0.0005	<input type="checkbox"/>	<input type="checkbox"/>
EPA 524.2	0.005	0.0005	Tetrachloroethylene	2987	01/27/05	<0.0005	<input type="checkbox"/>	<input type="checkbox"/>
EPA 524.2	1	0.0005	Toluene	2991	01/27/05	<0.0005	<input type="checkbox"/>	<input type="checkbox"/>
EPA 524.2	0.1	0.0005	Trans-1,2-Dichloroethylene	2979	01/27/05	<0.0005	<input type="checkbox"/>	<input type="checkbox"/>
EPA 524.2	0.005	0.0005	Trichloroethylene	2984	01/27/05	<0.0005	<input type="checkbox"/>	<input type="checkbox"/>
EPA 524.2	0.002	0.0005	Vinyl Chloride	2976	01/27/05	<0.0005	<input type="checkbox"/>	<input type="checkbox"/>
EPA 524.2	10	0.0005	Xylenes, total	2955	01/27/05	<0.0005	<input type="checkbox"/>	<input type="checkbox"/>
EPA 524.2	0.07	0.0005	1,2,4-Trichlorobenzene	2378	01/27/05	<0.0005	<input type="checkbox"/>	<input type="checkbox"/>
EPA 524.2	0.005	0.0005	Dichloromethane	2964	01/27/05	<0.0005	<input type="checkbox"/>	<input type="checkbox"/>



**\*\*\*INORGANIC CHEMICAL ANALYSIS\*\*\***  
 >>>To be filled out by Laboratory Personnel<<<

Analysis Method	MCL Value	Contaminant Name	Cont. Code	Test Start Date/Time	Analysis Run Date/Time	Results	Exceeds MCL	Exceeds Trigger
EPA 200.9	0.05	Arsenic	1005	01/29/05	01/29/05	<0.002	<input type="checkbox"/>	<input type="checkbox"/>
EPA 200.7	2.0	Barium	1010	01/27/05	01/27/05	0.15	<input type="checkbox"/>	<input type="checkbox"/>
EPA 200.9	0.005	Cadmium	1015	01/29/05	01/29/05	<0.0002	<input checked="" type="checkbox"/>	<input type="checkbox"/>
EPA 200.7	0.1	Chromium	1020	01/27/05	01/27/05	<0.005	<input type="checkbox"/>	<input type="checkbox"/>
EPA 200.7	1.3	Copper (Action Level)	1022	01/27/05	01/27/05	<0.01	<input type="checkbox"/>	<input type="checkbox"/>
SM 4500-F C	4.0	Fluoride	1025	01/21/05	01/21/05	<0.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>
EPA 200.9	0.015	Lead (Action Level)	1030	01/29/05	01/29/05	0.010	<input type="checkbox"/>	<input type="checkbox"/>
EPA 245.1	0.002	Mercury	1035	01/26/05	01/26/05	<0.0002	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Calculation	10	Nitrate (as N)	1040	01/27/05	01/27/05	0.27	<input type="checkbox"/>	<input type="checkbox"/>
SM 4500NO2B1		Nitrite (as N)	1041	01/19/05	01/19/05	<0.10	<input type="checkbox"/>	<input type="checkbox"/>
EPA 200.9	0.05	Selenium	1045	01/29/05	01/29/05	<0.005	<input type="checkbox"/>	<input type="checkbox"/>
EPA 200.9	0.006	Antimony	1074	02/02/05	02/02/05	<0.004	<input type="checkbox"/>	<input type="checkbox"/>
EPA 200.7	0.004	Beryllium	1075	01/27/05	01/27/05	<0.002	<input type="checkbox"/>	<input type="checkbox"/>
SM 4500CNE	0.2	Cyanide (as free cyanide)	1024	01/24/05	01/24/05	<0.01	<input type="checkbox"/>	<input type="checkbox"/>
EPA 200.7	0.1	Nickel	1036	01/27/05	01/27/05	<0.02	<input type="checkbox"/>	<input type="checkbox"/>
EPA 200.9	0.002	Thallium	1085	01/26/05	01/26/05	<0.001	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**\*\*\*CORROSIVITY CHEMICAL ANALYSIS\*\*\***  
 >>>To be filled out by Laboratory Personnel<<<

EPA 300.0	Sulfate	1055	01/21/05	01/21/05	7.5	<input type="checkbox"/>	<input type="checkbox"/>
EPA 200.7	Sodium	1052	01/27/05	01/27/05	12	<input type="checkbox"/>	<input type="checkbox"/>
EPA 150.1	pH	1925	01/19/05	01/19/05	7.60	<input type="checkbox"/>	<input type="checkbox"/>
SM 2320B	Alkalinity	1927	01/25/05	01/25/05	197	<input type="checkbox"/>	<input type="checkbox"/>
SM 2340B	Hardness/Calcium	1918	01/27/05	01/27/05	175	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Calculation	Langelier Index	1997	02/09/05	02/09/05	0.213	<input type="checkbox"/>	<input type="checkbox"/>
	Temperature (°C)	1996				<input type="checkbox"/>	<input type="checkbox"/>
SM 2540C	Total Dissolved Solids-TDS	1930	01/24/05	01/24/05	196	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**>>>>LABORATORY INFORMATION<<<<<**  
 To be filled out by laboratory personnel

SPECIMEN NUMBER: 5010717-01      01/17/05      17:00 (24 hr clock)  
 Sample date      Sample time

ID Number AZ0004      Name: Legend Technical Services, Inc.

Comments: \_\_\_\_\_

Authorized Signature: *Barbara Frank*

Date Public Water System Notified: \_\_\_\_\_

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY  
DRINKING WATER SOURCE APPROVAL FORM  
SAMPLES TO BE TAKEN AT SOURCE ONLY  
>>>> PUBLIC WATER SYSTEM INFORMATION <<<<  
>>>> TO BE FILLED OUT BY SYSTEM PERSONNEL <<<<

System ID#	<u>Canyon Vista Estates LLC</u>	System Name	
Sample date	<u>01/17/05</u>	Sample time	<u>17:00</u> (24 hr clock)
ADEQ Project Number		Well ID Number	<u>55-901337</u>
NEW SYSTEM YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
NEW P.O.E. YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
Owner/Contact Person Name	<u>Curtis Winder</u>	Owner/Contact Person Phone Number	<u>(602) 212-8551</u>
Owner/Contact Fax Number		Well Head	<u>SAMPLING SITE ID</u>
SAMPLE TYPE		SAMPLE COLLECTION POINT/ID	
<input checked="" type="checkbox"/> Compliance Monitoring		Point of Entry#	

This form is intended to be completely filled out and ALL pages submitted together for all microbiological and chemical tests detailed on this form. If more than one laboratory participated in the analyses, please attach a copy of the original laboratory report, signed by the performing laboratory, to the back of this form. **ALL RESULTS SHALL BE REPORTED IN MILLIGRAMS PER LITER (MG/L) UNLESS OTHERWISE SPECIFIED.**

**PLEASE MAIL THIS COMPLETED FORM TO:**

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY  
TECHNICAL REVIEW UNIT  
DRINKING WATER SECTION (MO - 248C)  
3033 NORTH CENTRAL AVE., PHOENIX, AZ 85012

Arizona Department of Environmental Quality  
**Drinking Water Additional Radiochemical Analysis Report**  
 \*\*\*Samples To Be Taken At POE Only\*\*\*

System ID \_\_\_\_\_ System Name \_\_\_\_\_  
 01/17/2005 17:00

Sample Date \_\_\_\_\_ Sample Time \_\_\_\_\_ Owner/Contact Person \_\_\_\_\_

POE# \_\_\_\_\_ Owner/Contact Fax Number \_\_\_\_\_

**COMPLIANCE SAMPLE TYPE**

- Reduced Monitoring Date Q1 Collected \_\_\_\_\_  
 Quarterly Date Q2 Collected \_\_\_\_\_  
 Composite of four quarterly samples Date Q3 Collected \_\_\_\_\_  
 Date Q4 Collected \_\_\_\_\_

\*\*\*RADIOCHEMICAL ANALYSIS\*\*\*  
 >>>To be filled out by laboratory personnel<<<

Analysis Method	MCL	Reporting Limit	Contaminant Name	Cont. Code	Analyses Run Date	Result	Exceed MCL
	15 pCi/L		Adjusted Gross Alpha	4000			
600/00-02		3 pCi/L	Gross Alpha	4002	01/21/2005	9.8±4.6	
7500 - Rn			Radon	4004			
00-07	30 µg/L	(reserved)	Combined Uranium	4006			
			Uranium 234	4007			
			Uranium 235	4008			
			Uranium 238	4009			
	5 pCi/L	1 pCi/L	Combined Radium (226,228)	4010	01/24/2005	<0.5	
903.1		1 pCi/L	Radium 226	4020	01/24/2005	<0.5	
904.0		1 pCi/L	Radium 228	4030	01/24/2005	<0.5	

\*\*\*LABORATORY INFORMATION\*\*\*  
 >>>To be filled out by laboratory personnel<<<

Specimen Number: 5010717-01

Lab ID Number: AZ0462 Lab Name: Radiation Safety Engineering, Inc.

Comments: 24165

Authorized Signature: \_\_\_\_\_

Date Public Water System Notified: \_\_\_\_\_