

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



December 31, 2007

Courtland Land LLC
Attention: John Wittrock
5333 N. 7th Street Suite #310
Phoenix, AZ 85014

Janet Napolitano
Governor

Herbert R. Guenther
Director

RE: Non-Exempt Well Permit No. T-216462
Well Registration No. 55-207788; File No. B (4-2) 10 ACC

Dear Mr. Wittrock:

Your permit for the conversion of the above-referenced well is enclosed. The authority to increase the permitted annual volume of this well is granted on the condition that all applicable provisions of the Groundwater Code are met.

Pursuant to the provisions of A.R.S. § 45-604, any person withdrawing groundwater from a well is required to use a water measuring device to record rates of withdrawal in order to provide or allow the computation of an annual volume of pumpage from the well. The total volume of pumpage from the well shall be reported on your Annual Water Withdrawal and Use Report for this calendar year.

The Department has issued the authorization to convert and operate this well pursuant to A.R.S. §§ 45-598 and 45-599 of the Groundwater Code. The legal nature of the water withdrawn from the well may be the subject of court action in the future as part of a determination of surface water rights in your area. If there are court proceedings that could affect your well, you will be notified and be given the opportunity to participate.

Under A.R.S. § 45-593, the person to whom a well is registered must notify the Department of a change in ownership, physical characteristics or any other data about the well in order to keep the well registration records current and accurate. For future changes, *Request to Change Well Information* forms are enclosed.

Your permit has been issued by this Department without a hearing. As such, it is an appealable agency action. You are entitled to appeal and your rights are described in the enclosed notice of right to appeal.

If you have any questions about your permit, please call Tana Zachreson of the Phoenix AMA office at 602-771-8585.



Run Date: 05/23/2006

AZ DEPARTMENT OF WATER RESOURCES

WELL REGISTRY REPORT - WELLS55

Location B 4.0 2.0 10 A C C Well Reg.No 55 - 207788 AMA PHOENIX AMA

Registered Name COURTLAND LAND LLC
5333 N 7TH ST #305
PHOENIX AZ 85014
File Type NEW WELLS (INTENTS OR APPLICATIONS)
Application/Issue Date 06/07/2005

Owner OWNER Well Type WITHDRAWAL PERMIT
Driller No. 671 SubBasin WEST SALT RIVER VALLEY
Driller Name ADT DRILLING dba Advanced Drilling Technology, LLC Watershed AGUA FRIA RIVER
Driller Phone 877-374-5464 Registered Water Uses TEST
County MARICOPA Registered Well Uses WATER PRODUCTION
Discharge Method NO DISCHARGE METHOD LISTED
Power NO POWER CODE LISTED
Intended Capacity GPM 300.00

Well Depth 1,500.00 Case Diam 7.00 Tested Cap 0.00
Pump Cap. 0.00 Case Depth 1,500.00 CRT
Draw Down 0.00 Water Level 359.00 Log X
Acres Irrig 0.00 Finish STEEL - PERFORATED OR SLOTTED CASING

Contamination Site: NO - NOT IN ANY WQARF SITE

Comments On 5/15/06, the Maricopa County Environmental Services Department (MCESD) issued a New Groundwater Source Approval listing this well. The approval was issued to First National Management, Inc. with PWS # 07-007, POE # 003 assigned. File update conducted 5/23/06. mib

Places Of Use

1 B 4.0 2.0 10 A

Current Action

3/15/2006 755 WELL CONSTRUCTION COMPLETED
Action Comment: RT

Action History

5/8/2006 750 WELL LOG RECEIVED
Action Comment: RT
6/13/2005 550 DRILLING AUTHORITY ISSUED
Action Comment:
6/8/2005 600 PERMIT ISSUED
Action Comment:
6/8/2005 552 DRILL CARD HELD BY AMA PENDING SITE VERIFICATION
Action Comment:
6/7/2005 410 AMA APPLICATION/NOI REVIEW COMPLETE
Action Comment:
6/2/2005 867 APP/NOI REVIEW BY HYDRO/WQARF COMPLETE
Action Comment:
5/25/2005 400 HYDROLOGY APPLICATION REVIEW COMPLETE
Action Comment:
5/19/2005 355 APP SENT TO AMA FOR REVIEW
Action Comment:
5/19/2005 365 APP SENT TO HYDROLOGY FOR REVIEW
Action Comment:

Date:	5/23/06	# of pages:	2
From:	MIKE BALL	Co.:	ADAM
Co. (Dept.):	MCESD	Phone #:	602 777 8640
To:	DON TAYLOR	Phone #:	602 500 0688
Post-it® Fax Note:	7671		

Run Date: 05/23/2006

AZ DEPARTMENT OF WATER RESOURCES

WELL REGISTRY REPORT - WELLS55

5/19/2005	866	APP/NOI SENT TO HYDRO/WQARF FOR REVIEW
		Action Comment:
5/18/2005	315	APP RCVD FOR A WITHDRAWAL PERMIT FOR A NEW WELL
		Action Comment:
5/18/2005	700	SITE VERIFIED AS ACCURATE
		Action Comment:



Maricopa County
Environmental Services Department

FAX TRANSMITTAL

To:	Mike Ball		
Company/Dept.:	ADWR		
Phone:	602-771-8640	Fax:	602-771-8691
Re:			

From:	Doug Taylor R.S. Water System Investigator		
Company/Dept.:	MCESD		
Phone:	(602) 506-6631	Fax:	602-372-0688
Date:	May 19, 2006	# of pages:	9

Remarks:

NOTE: FAX NUMBER HAS CHANGED.

NSA attached.

Doug Taylor
Water Systems Investigator
MCESD, Drinking Water Program
dtaylor@mail.maricopa.gov



Maricopa County

Environmental Services

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

New Groundwater Source Approval with Stipulations

Fred T. Wilkinson, President
First National Management Inc.
P.O. Box 1020
Apache Junction, AZ 85217

Groundwater Source Proposed: DWR#: 55-207788

PWS: # 07-007 Designated POE: # 003

Application Receipt: #ES0 80542

Date: May 15, 2006

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

The initial monitoring date assigned to this system was January 1, 1993. This date is used to determine future water quality monitoring and reporting for compliance requirements, and is reflected in the calculation of the dates shown in the stipulations listed below. All water sample monitoring frequencies and required reporting of analysis results are based on the initial monitoring compliance schedule.

STIPULATIONS:

1. The water system shall qualify for and obtain proper approvals on the construction and development of the well. A certificate of **Approval to Construct** the well must be obtained from this Department. Upon completion of the construction work, the system must receive a certificate of **Approval of Construction**. Please contact Wes Shoner, P.E., at (602) 506-0376 for specific information on the procedure and application requirements.
2. **Monitoring Assistance Program.** A public water system serving 10,000 or fewer persons is obligated to participate in the Monitoring Assistance Program (MAP). **Since the water system serves fewer than 10,000 persons, it is required to participate in the MAP.** Under the MAP, a contractor shall collect, transport, and analyze water samples from the participating public water system. The contractor shall monitor for the following chemicals as outlined in Title 18, Chapter 4 of the Arizona Administrative Code:

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New Source Approval

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- Inorganic chemicals (excluding lead, copper, and nitrate)
- Volatile organic chemicals
- Synthetic organic chemicals
- Radiochemicals

The contractor shall deliver analysis results to the owner of the water system and to the Department. Although a contractor performs monitoring when a public water system participates in the MAP, the system owner is responsible for compliance with public notice requirements and any increased monitoring as set forth in the Safe Drinking Water Rules. Additionally, MAP does not perform any distribution monitoring that may be required. For further information, please contact Scott Steinhagen of ADEQ at (602) 771-4445.

2. Microbiological water quality compliance. A total coliform result submitted with the application indicates compliance with the Safe Drinking Water Rule.

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

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

These contaminants will require routine sample collection and laboratory analysis every 3 years. Sample collection for the next inorganic chemical water analysis profile must be conducted **after January 1, 2008 but before December 31, 2008**. The exceptions to this inorganic chemical monitoring schedule are listed below. The inorganic chemicals are sampled at the existing entry point into the distribution system, including those that follow:

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Arsenic. The laboratory reported arsenic as 0.005 mg/l. Should maximum contaminant level of 0.010 mg/l be exceeded, the water system would have to cease use of this source until approved treatment technology is installed.

Nitrate. The indicated level of nitrate 0.95 mg/l is less than the trigger level of 5 mg/l; therefore, annual sampling is required. If a POE sample exceeds the MCL of 10 mg/l, this would represent an acute contaminant violation, and the system would have to take immediate corrective action.

Nitrite. Routine nitrite sample collection and analysis must be performed at every point of entry every nine years. The nitrite level at this time is indicated as <0.1 mg/l. Sampling frequency for nitrite will increase to quarterly in the event it exceeds the trigger level of 0.5 mg/l. The next required nitrite analysis for compliance purposes must be based on water samples collected after January 1, 2011 but before December 31, 2011.

Asbestos. The initial asbestos level is <0.2 mfl. Samples for asbestos analysis must be collected at each point of entry or in distribution and reported every nine years. The next required sample collection for asbestos analysis must be done after January 1, 2011 but prior to December 31, 2011.

Fluoride. The fluoride level is 0.68 mg/l. Community water supplies are required to monitor for the amount of fluoride present in the water. The maximum contaminant level for fluoride is 4 mg/l. However, if the fluoride level is ever greater than 2 mg/l, the system must perform public notice. Fluoride samples must be collected and lab analysis conducted at least every 3 years at each point of entry. Subsequent fluoride results will be due with the next inorganic water chemistry profile during 2008.

Sodium. Community water systems are required to sample and report on the sodium level of the water every 3 years for groundwater sources. Initial sodium level is indicated as 45 mg/l. There is no maximum level for sodium in drinking water at this time. Samples for sodium analysis must be collected at each point where water treatment is conducted.

4. Volatile Organic Chemical water quality compliance. The Volatile Organic Chemical (VOC) water quality data submitted with your application indicate compliance with water quality requirements, with the exception of Toluene. This contaminant was detected at 0.0052 mg/l which exceeds the trigger level of 0.0005 mg/l. The water system will have to initiate quarterly

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monitoring for toluene during the quarter the source is connected to the distribution system. The water system may request reduced monitoring after it has satisfied the Safe Drinking Water Rule's increased monitoring requirement.

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

The next routine VOC samples must be taken during each of the four quarters of 2008.

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

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

The initial sampling requirement for SOC analysis must be conducted for four consecutive quarters during the assigned monitoring year. This sample collection and analysis process must be repeated every three years at each groundwater point of entry. If the laboratory findings show that levels of SOCs are consistently below the MCL levels for these contaminants, the water system may apply for a reduced monitoring frequency. **SOCs should be monitored in each quarter of 2008 at this POE.**

6. Lead and Copper water quality compliance. Results submitted with the new source application indicate the lead level is 0.002 mg/l and copper at 0.01 mg/l which is below the action level. The action level for lead is 0.015 mg/l; the copper action level is 1.3 mg/l.

Public water systems are required to collect water samples from distribution for lead and copper analysis in compliance with specific sample collection instructions. The initial monitoring for lead and copper must be done during two consecutive six-month periods. The required number of samples and the frequency of collection may be reduced if there is no exceedance of the action levels for lead or copper at or above the 90th percentile value. If the action level for these contaminants is exceeded in 10 or more percent of the

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

May 11, 2006
New Source Approval
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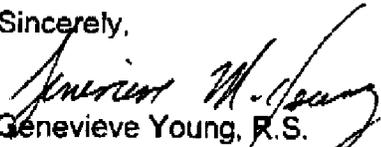
samples taken, additional sampling or treatment of other water quality factors will be necessary. Samples for lead and copper analysis must be collected at sites specified in a site sampling plan.

7. Radiochemicals. Samples must be collected for four consecutive quarters from each EPDS every four years. The results submitted indicate radiochemical levels below the compliance limits. **Initial monitoring must be conducted for four consecutive quarters within one year of introduction of the source.**

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

Any changes, corrections or deletions in the development or use of this ground water source will require prior approval from this Department. If you have any questions or need additional information, please contact Doug Taylor, R.S., at (602) 506-6631 or dtaylor@mail.maricopa.gov.

Sincerely,


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

cc: ADEQ
Wes Shonerd, P.E.
ADWR

NEW SOURCE APPROVAL WATER ANALYSIS WORKSHEET

SYSTEM INFORMATION: PWS ID# 07-007
SOURCE ID#: 55-207788
DATE:

CONTAMINANT	CONT CODE	MCL	Trigger	RESULT REPORTED	EXC MCL	EXC MDL
ASBESTOS in MFL	1084	7		0.2	no	
MICROBIOLOGICAL:						
FECAL COLIFORM	3013	+	+	-	no	
TOTAL COLIFORM	3000	+	+	-	no	
INORGANIC:						
ARSENIC	1005	0.05		0.005	no	
BARIUM	1010	2		0.04	no	
CADMIUM	1015	0.005		0.0002	no	
CHROMIUM	1020	0.1		0.022	no	
COPPER in mg/l	1022		1.3	0.01		no
FLUORIDE	1025	4	2	0.68	no	no
LEAD in mg/l	1030		0.015	0.002		no
MERCURY	1035	0.002		0.0002	no	
NITRATE (AS N)	1040	10	5	0.95	no	no
NITRITE (AS N)	1041	1	0.5	0.1	no	no
SELENIUM	1045	0.05		0.002	no	
ANTIMONY	1074	0.006		0.004	no	
BERYLLIUM	1075	0.004		0.002	no	
CYANIDE (AS FREE CYANIDE)	1024	0.2		0.01	no	
THALLIUM	1085	0.002		0.001	no	
SYNTHETIC ORGANIC:						
2,4-D	2105	0.07	0.0001	0.0001	no	no
2,4,5-TP (SILVEX)	2110	0.05	0.0002	0.0002	no	no
ALACHLOR	2051	0.002	0.0002	0.0002	no	no
TOXAPHENE	2020	0.003	0.001	0.001	no	no
ATRAZINE	2050	0.003	0.0001	0.0001	no	no
CARBOFURAN	2046	0.04	0.0009	0.0009	no	no
PENTACHLOROPHENOL	2326	0.001	0.00004	0.00004	no	no
CHLORDANE	2959	0.002	0.0002	0.0002	no	no
DIBROMOCHLOROPROPANE (DB)	2931	0.0002	0.00002	0.00002	no	no
ETHYLENE DIBROMIDE (EDB)	2946	0.00005	0.00001	0.00001	no	no
HEPTACHLOR	2065	0.0004	0.00004	0.00004	no	no
HEPTACHLOR EPOXIDE	2067	0.0002	0.00002	0.00002	no	no
LINDANE	2010	0.0002	0.00002	0.00002	no	no
METHOXYCHLOR	2015	0.04	0.0001	0.0001	no	no
PCB: POLYCHLORINATED BIPHEN	2383	0.0005	0.0001	AROCLOR	yes	no
AROCLOR 1016	2388		0.00008	0.00008		no
AROCLOR 1221	2390		0.02	0.02		no
AROCLOR 1232	2382		0.0005	0.0005		no
AROCLOR 1242	2394		0.0003	0.0003		no
AROCLOR 1248	2396		0.0001	0.0001		no
AROCLOR 1254	2398		0.0001	0.0001		no
AROCLOR 1260	2400		0.0002	0.0002		no
BENZO (A) PYRENE	2306	0.0002	0.00002	0.00002	no	no
DALAPON	2031	0.2	0.001	0.001	no	no
Di(2-ETHYLHEXY)PHTHALATE	2039	0.006	0.0006	0.0006	no	no

DI(2-ETHYLHEXY)ADIPATE	2035	0.4	0.0006	0.0006	no	no
DINOSEB	2041	0.007	0.0002	0.0002	no	no
2,3,7,8-TCDD (DIOXIN)	2063	3.00E-08	5E-09	5.00E-09	no	no
DIQUAT	2032	0.02	0.0004	4.00E-04	no	no
ENDOTHALL	2033	0.1	0.009	0.009	no	no
ENDRIN	2005	0.002	0.00001	0.00001	no	no
GLYPHOSATE	2034	0.7	0.006	0.006	no	no
HEXACHLOROBENZENE	2274	0.001	0.0001	0.0001	no	no
HEXACHLOROCYCLOPENTADIEN	2042	0.05	0.0001	0.0001	no	no
OXAMYL	2036	0.2	0.002	0.002	no	no
PICLORAM	2040	0.5	0.0001	0.0001	no	no
SIMAZINE	2037	0.004	0.00007	0.00007	no	no
VOLATILE ORGANIC CHEMICALS:						
1,1-DICHLOROETHYLENE	2977	0.007	0.0005	0.0005	no	no
1,1,1-TRICHLOROETHANE	2981	0.2	0.0005	0.0005	no	no
1,1,2-TRICHLOROETHANE	2985	0.005	0.0005	0.0005	no	no
1,2-DICHLOROETHANE	2980	0.005	0.0005	0.0005	no	no
1,2-DICHLOROPROPANE	2983	0.005	0.0005	0.0005	no	no
BENZENE	2990	0.005	0.0005	0.0005	no	no
CARBON TETRACHLORIDE	2982	0.005	0.0005	0.0005	no	no
CIS-1,2-DICHLOROETHYLENE	2380	0.07	0.0005	0.0005	no	no
ETHYLBENZENE	2992	0.7	0.0005	0.0005	no	no
(MONO)CHLOROBENZENE	2989	0.1	0.0005	0.0005	no	no
O-DICHLOROBENZENE	2968	0.6	0.0005	0.0005	no	no
PARA-DICHLOROBENZENE	2969	0.075	0.0005	0.0005	no	no
STYRENE	2996	0.1	0.0005	0.0005	no	no
TETRACHLOROETHYLENE	2987	0.005	0.0005	0.0005	no	no
TOLUENE	2991	1	0.0005	0.0052	no	yes
TRANS-1,2-DICHLOROETHYLENE	2979	0.1	0.0005	0.0005	no	no
TRICHLOROETHYLENE	2984	0.005	0.0005	0.0005	no	no
VINYL CHLORIDE	2976	0.002	0.0005	0.0005	no	no
XYLENES, TOTAL	2955	10	0.0005	0.0005	no	no
1,2,4-TRICHLOROBENZENE	2378	0.07	0.0005	0.0005	no	no
DICHLOROMETHANE	2984	0.005	0.0005	0.0005	no	no
RADIOCHEMICAL CONTAMINANTS:						
GROSS ALPHA in Pci/l	4000	15	5	3.3	no	no
COMBINED RADIUM (226,228) in Pci/l	4010	5			no	
RADIUM 226 in Pci/l	4020	3			no	
RADIUM 228 in Pci/l	4030					
GROSS BETA in mrem	4100	4	3			
TRITIUM in Pci/l	4102	20,000	1000		no	no
STRONTIUM-90 in Pci/l	4174	8	2		no	no
STRONTIUM-89		4 mrem	10 pCi/l			
IODINE-131		4 mrem	1 pCi/l			
CESIUM-134		4 mrem	10 pCi/l			
OTHER RADIONUCLIDES		4 mrem	0.1 pCi/l			
RADON						
URNIUM						

CORROSIVITY CHEMICALS:				
ALKALINITY	1927			119
HARDNESS/CALCIUM MAGNESIU	1918			37
IRON	1028			
LANGELIER INDEX	1997			-0.021
MAGNESIUM	1031			
MANGANESE	1032			
pH	1925			8.2
SODIUM	1052			45
SULFATE	1055			22
TEMPERATURE (°C)	1996			
TOTAL DISSOLVED SOLIDE-TDS	1930			194
ZINC	1095			



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

RECEIVED
MAY - 8 2006
 Information Management

**Well Driller Report
 and
 Well Log**

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

FILE NUMBER B (4-2) 10 ACC
WELL REGISTRATION NUMBER 55 - 207788
PERMIT NUMBER (IF ISSUED)

**** PLEASE PRINT CLEARLY ****

SECTION 1. REGISTRY INFORMATION						
Well Owner			Location of Well			
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL <i>Courtland Land, LLC.</i>			WELL LOCATION ADDRESS (IF ANY)			
MAILING ADDRESS <i>5333 N. 7th St., Ste. 305</i>			TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE
CITY / STATE / ZIP CODE <i>Phoenix, AZ 85014</i>			<i>4 N</i>	<i>2 W</i>	<i>10</i>	40 ACRE
CONTACT PERSON NAME AND TITLE <i>Mike Lacey</i>			LATITUDE		LONGITUDE	
TELEPHONE NUMBER <i>602-274-2765</i>			<i>33 ° 42 ' 16 " N</i>		<i>112 ° 27 ' 8 " W</i>	
FAX			LAND SURFACE ELEVATION AT WELL			
			Feet Above Sea Level			
			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	MAP	PARCEL	
			COUNTY WHERE WELL IS LOCATED			
			<i>Maricopa</i>			

SECTION 2. DRILLING AUTHORIZATION	
Drilling Firm	
NAME <i>ADT Drilling, Inc.</i>	
DWR LICENSE NUMBER <i>671</i>	
TELEPHONE NUMBER <i>480-471-1122</i>	FAX <i>480-471-1116</i>

ANSWERED MAY 10 2006

SECTION 3. WELL CONSTRUCTION DETAILS		
DATE WELL CONSTRUCTION STARTED <i>3-4-06</i>	DATE WELL CONSTRUCTION COMPLETED <i>3-15-06</i>	IF FLOWING WELL, METHOD OF FLOW REGULATION <input type="checkbox"/> Valve <input type="checkbox"/> Other:
Drill Method	Method of Well Development	Method of Sealing at Reduction Points
CHECK ONE	CHECK ONE	CHECK ONE
<input type="checkbox"/> Air Rotary <input type="checkbox"/> Bored or Augered <input type="checkbox"/> Cable Tool <input checked="" 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):	<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):	<input checked="" type="checkbox"/> None <input type="checkbox"/> Packed <input type="checkbox"/> Swedged <input type="checkbox"/> Welded <input type="checkbox"/> Other (please specify):
	Water Level Information	
	STATIC WATER LEVEL <i>359'</i> Feet Below Land Surface	
	DATE MEASURED <i>3-15-06</i>	

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 207788

SECTION 6. WELL SITE PLAN

NAME OF WELL OWNER

Courtland Land, LLC

COUNTY ASSESSOR'S PARCEL ID NUMBER

BOOK

MAP

PARCEL

- ❖ Please draw the following: (1) the boundaries of property on which the well was located; (2) the well location; (3) the locations of all septic tank systems and sewer systems on the property or within 100 feet of the well location, even if on neighboring properties; and (4) any permanent structures on the property that may aid in locating the well.
- ❖ Please indicate the distance between the well location and any septic tank system or sewer system.

See Attached Map

1" = ___ ft

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

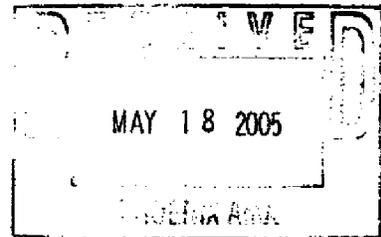
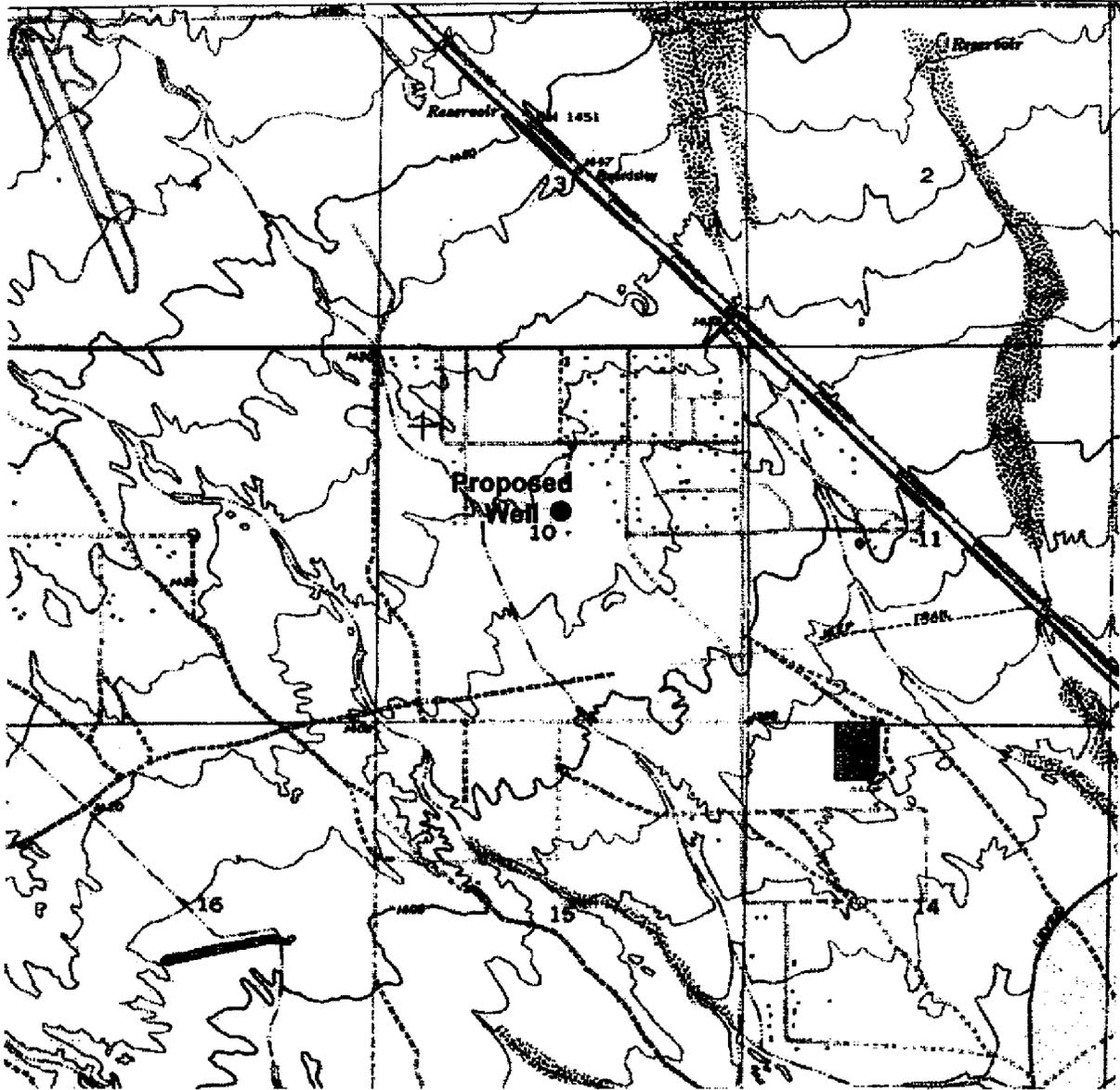
DRILLING FIRM

ADT Drilling, Inc

SIGNATURE OF QUALIFYING PARTY

Jay Chick

DATE



0 0.5 1 miles

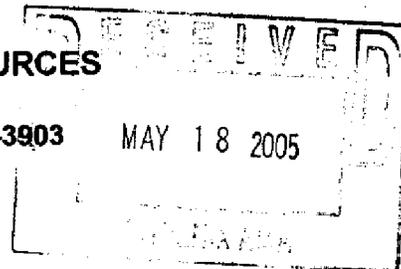
Figure 1- Well Location



Fluid Solutions

Water • Wastewater • Engineering • Environmental Services

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



NEW WELL CONSTRUCTION SUPPLEMENT (form DWR 55-90)

Well Registration Number 55- 207788
(FOR DEPARTMENT USE ONLY)

1. Well Location:

SW ¼ of the SW ¼ of the NE ¼, Sec. 10, Township 4N Range 2W.
10AC 40AC 160AC

2. Position Location of the Well:

Latitude 33° 42' 16" Longitude 112° 27' 08"

3. County Maricopa

4. Date construction to start: May 2005

5. Time period well will remain in use: Indefinitely

6. Is pump equipment to be installed? Yes If so, design pump capacity: 300 GPM.

7. Well construction plan:

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

b. Borehole diameters 12 inches from 0 feet to 20 feet.
7 5/8 inches from 20 feet to 1500 feet.

c. Casing materials Steel

d. Method of well development (bail, air lift, surge, etc.) Airlift

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

8. Include a detailed construction diagram of the proposed well design. The diagram should verify consistency with minimum construction requirements specified in the Department's well construction rules found in Arizona Administrative Code (A.A.C.) R12-15-801 et. seq. Specifically, the diagram should include borehole diameters; casing materials and diameters; perforation intervals; the expected water level; depth and thickness of the surface seal; proposed grouting materials; and the length that the surface or conductor casing will extend above grade, or vault details, if specified.

9. Proposed materials and method of abandonment if well is to be abandoned after project is completed (Minimum requirements per A.A.C. R12-15-816):

Per state regulations

10. Is the proposed wellsite within 100 feet of a septic tank system, sewage disposal area, landfill, hazardous waste facility, storage area of hazardous material, or petroleum storage area or tank? Yes No

11. Is this well to monitor existing contamination? Yes No

Potential contamination? Yes No If yes, please provide explanation: _____

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

If yes then indicate the following:

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

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

If Other, please explain: _____

13. Name of Consulting firm, if any : Fluid Solutions

1121 E. Missouri Ave, Suite 100 Phoenix AZ 85014
Address City State Zip

Contact Person: Michael J. Lacey Telephone Number 602-274-6725

14. Drilling firm: ADT Drilling

DWR License Number: 671 ROC License Category: A-4 & C-53

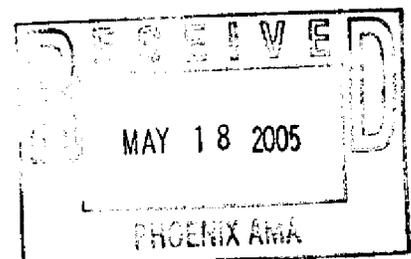
15. Special construction standards, if any, required pursuant to A.A.C. R12-15-821: N/A

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

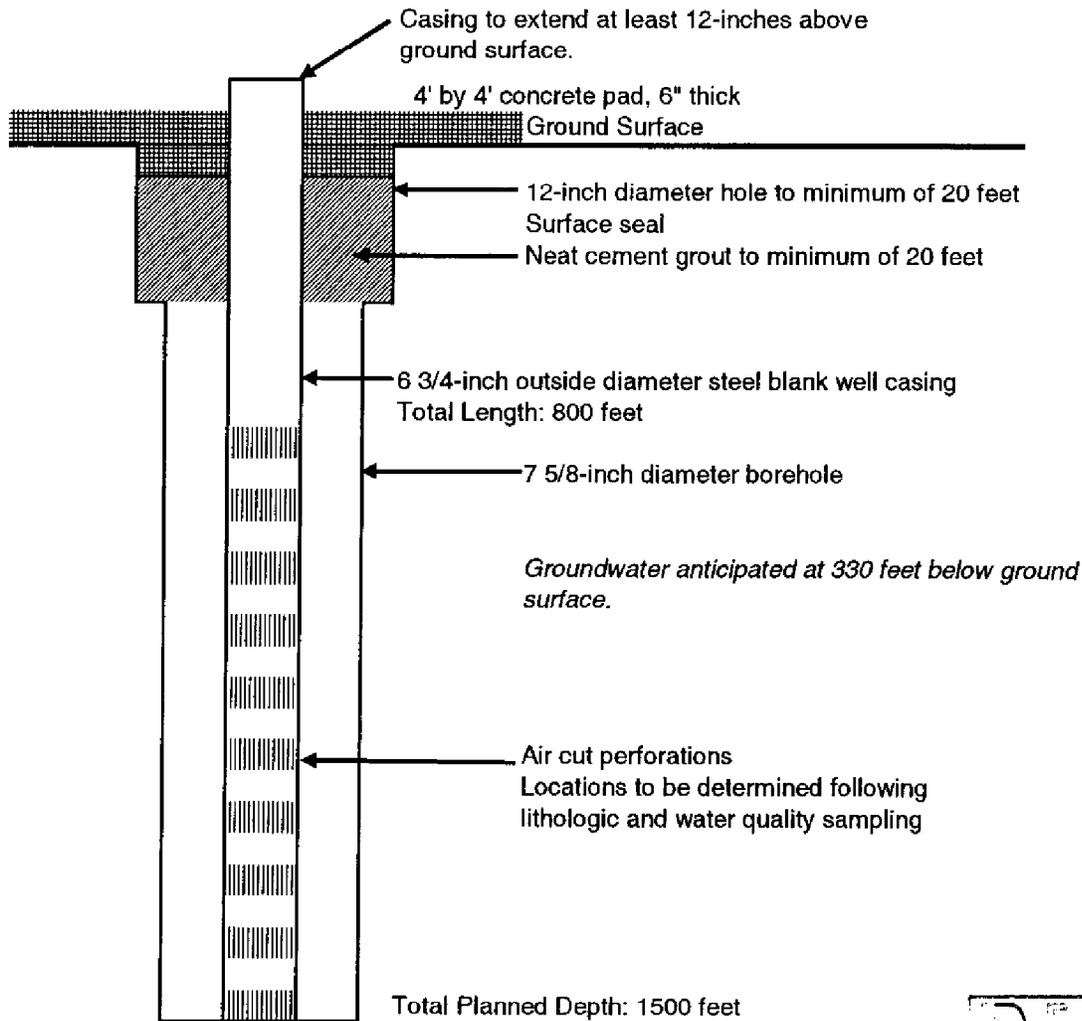
[Signature]
Signature of Applicant

5/17/05
Date

DWR-55-90 (Rev 9/02)

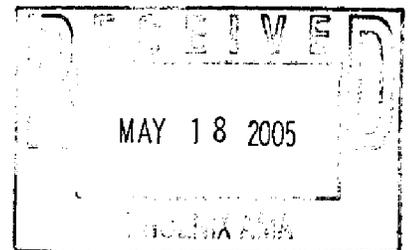


Well No. 55-207788



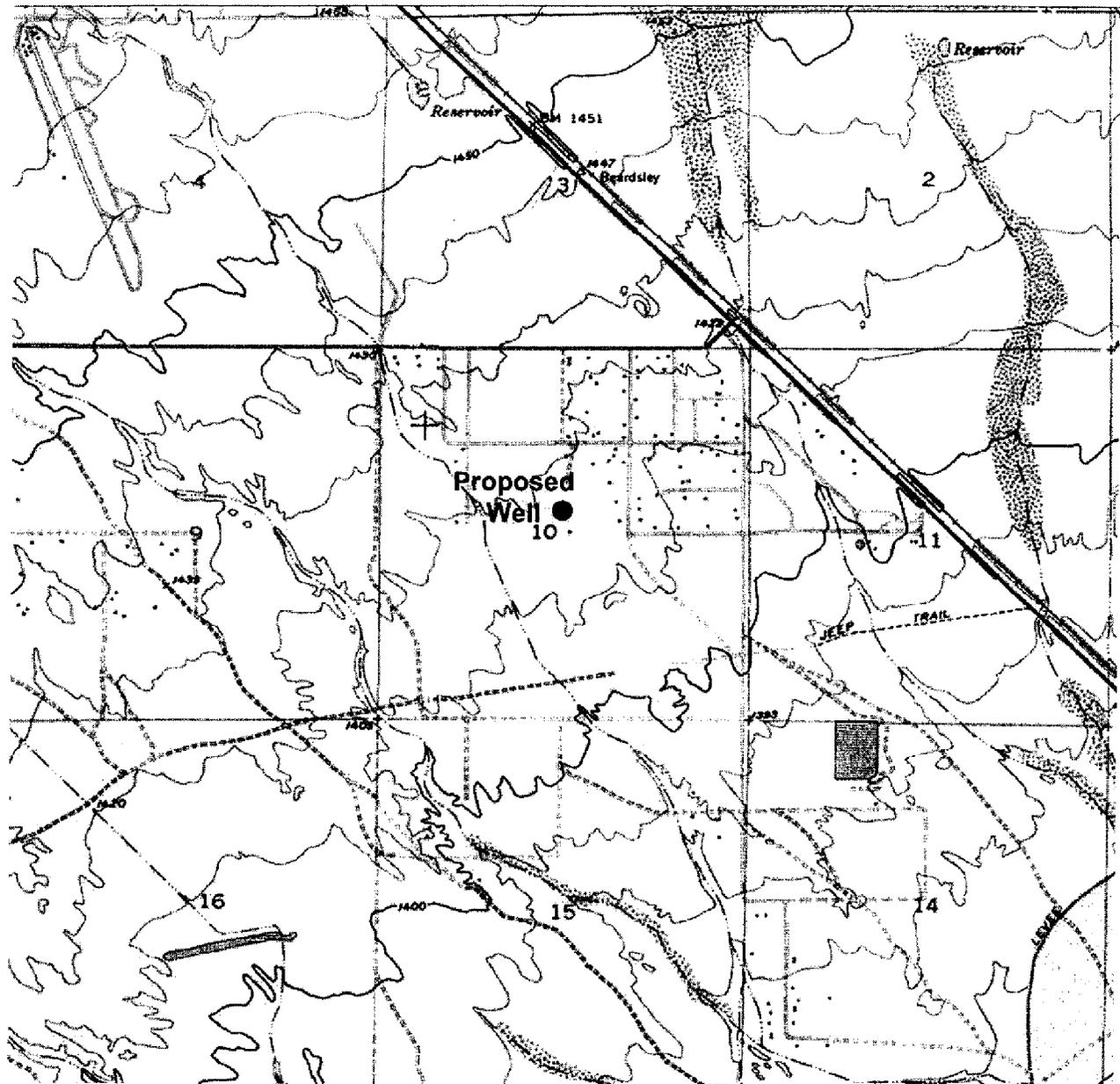
Not to Scale.

Hole will be drilled with dual rotary rig



1121 East Missouri Ave., Suite 100
Phoenix, AZ 85014
(602) 274-6725

Figure 1
Well Construction Diagram
SW SW NE Sec. 10, T4N, R2W




 MAY 18 2005
 PROBATION AGENCY



0 0.5 1 miles

Figure 1- Well Location



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

500 North Third Street, Phoenix, Arizona 85004
Telephone 602-417-2465
Fax 602-417-2467



June 7, 2005

JANET NAPOLITANO
Governor

HERB GUENTHER
Director

Courtland Land LLC
Attn: John Wittrock
5333 N 7th Street, Ste 305
Phoenix AZ 85014

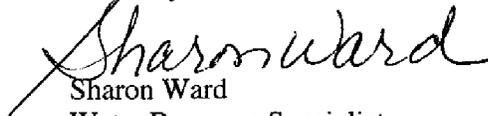
Dear Mr. Wittrock:

This letter is to inform you that the Arizona Department of Water Resources (Department) has conducted a well site inspection for Well Nos. 55-207788.

Per A.R.S. § 41-1009 the Department is required to provide a copy of the inspection report within 30 days after the inspection. Enclosed is a copy of the inspection report. At this time no further action is required.

If you have any questions or need further assistance please feel free to contact me at (602) 417-2465.

Sincerely,


Sharon Ward
Water Resource Specialist
Phoenix Active Management Area

Enclosure

**ARIZONA DEPARTMENT OF WATER RESOURCES
PHOENIX AMA**

500 North Third Street
Phoenix, Arizona 85007
Telephone (602) 417-2465
Fax (602) 417-2467



JANET NAPOLITANO
Governor

HERB GUENTHER
Director

June 7, 2005

**FIELD VERIFICATION REPORT
NEW OR REPLACEMENT WELL**

File Number: **B** (4-2) **10** **A** **C** **C**
Quadrant Tns & Rng Section 160ac 40ac 10ac

Registration Number: New Well # 55-207788

Type of Permit & Number: Hydrotest
Permit # 59-207787

Location of Permit: **SW**¹/₄ **SW**¹/₄ **NE**¹/₄ Section 10, T4N, R2W
10 Acre 40 Acre 160 Acre

Verified Location: **SW**¹/₄ **SW**¹/₄ **NE**¹/₄ Section 10, T4N, R2W
10 Acre 40 Acre 160 Acre

Latitude: N 33° 42' 14.7"

Longitude: W 112° 27' 08.2"

Latitude/Longitude Determined By: GPS: Topo Map Other

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

Card given to: Original card will be sent to driller

Date and time of inspection: Wednesday May 18, 2005 @ 10.30 A.M.

Correct driller on card?

Comments:

Replacement - Distance from the original well: ft

Well/s in Radius: Yes: No:

Report filed by: Sharon Ward, Phoenix AMA
Darlene Sumpter-King, Phoenix AMA

 **COPY**

From: Sharon Ward
To: Darlene Sumpter-King
Date: 6/7/05 9:09AM
Subject: Courtland Land LLC - Hydrotest - Permit # 59-207787 - Well # 55-207788

The Phoenix AMA recommends approval of the above-referenced application for Hydrologic Testing.

Site Inspection has already been completed.

Thank you,
Sharon

CC: J.Scott Miller; Jeff Tannler

 **COPY**

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

MEMORANDUM

DATE: June 2, 2005

TO: Darlene Sumpter-King, Groundwater Management Support
Scott Miller, Phoenix AMA

FROM: Mark Holmes, WQARF Unit 

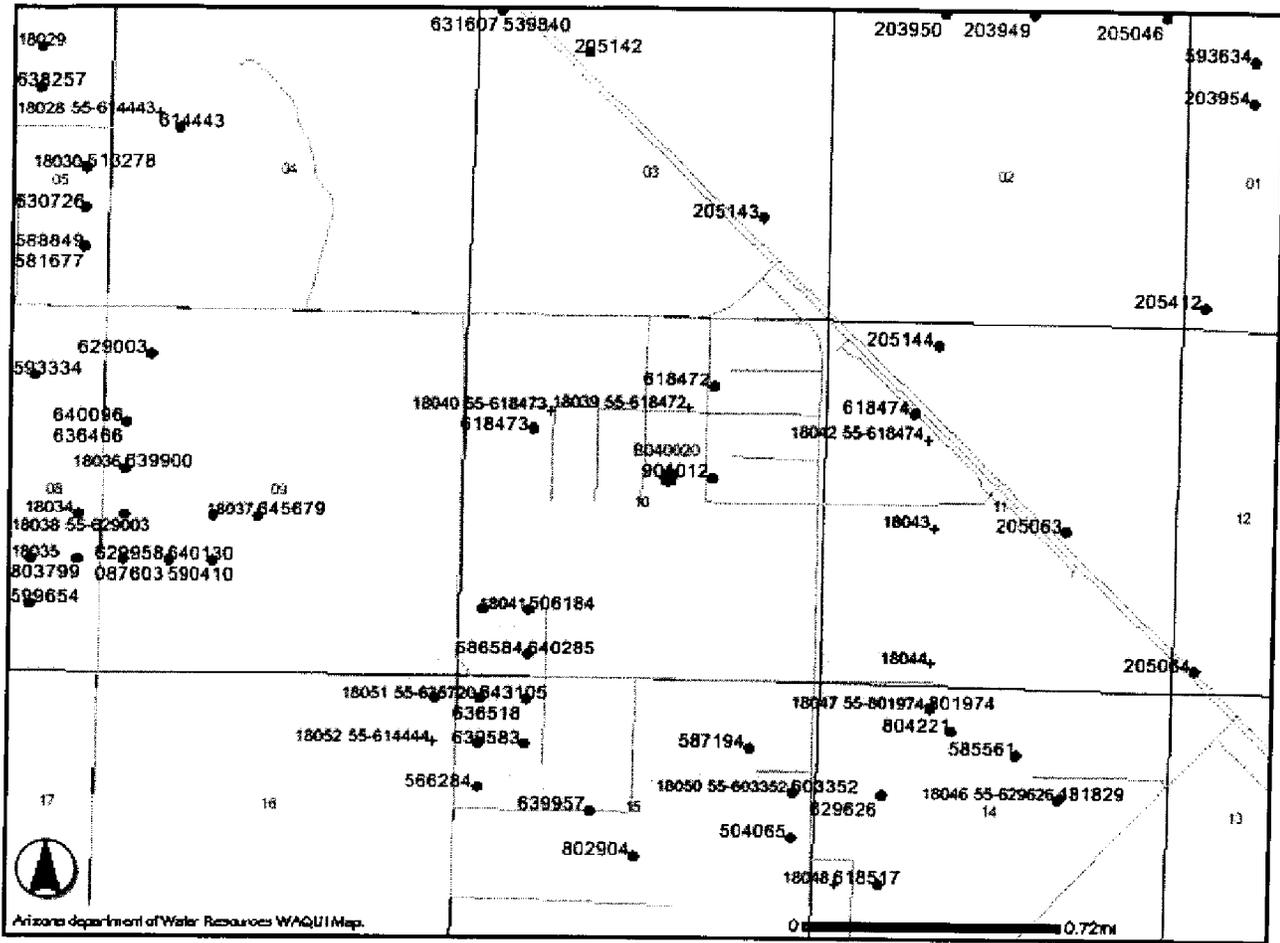
SUBJECT: **55-207788 – Courtland Land LLC
(59-207787)**

APPLICATION: **Permit to Withdraw Groundwater for Hydrologic Testing**

1. The area of groundwater withdrawal activities is not located within or in proximity to an area of known significant groundwater contamination. According to the Arizona Department of Environmental Quality (ADEQ) Groundwater Database, sample results from wells located within one mile of the withdrawal activities indicate that parameter concentrations do not exceed Maximum Contaminant Level (MCL) standards. In addition, parameter concentrations do not exceed Secondary MCL (MCL2) standards or Health Based Guidance Level (HBGL) standards. See attached map and supporting information.
2. The WQARF Unit has no objections to issuance of this permit.
3. References: Water Quality Information Maps Program (attached), The Groundwater Code (Arizona Revised Statutes, Title 45, Chapter 2), and the rules adopted thereunder.
4. If more information is needed, contact me at (602) 417-2400, ext. 7344. Thank you.

attachments: as stated

55-207788, 59-207787



Working Together



Arizona Department of Environmental Quality



Arizona Department of Water Resources

Map generated on 6/2/2005

Water Quality Sample Test Results for ADEQ Wells

Information provided is preliminary and subject to revision.

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

- Legend**
- Highlighted Feature
 - theBufferPolygons
 - theBufferTarget
 - ADEQ Wells
 - Wells > HBGL
 - Wells > Secondary MCL
 - ★ Wells > MCL
 - + No Exceedence
 - REGISTERED WELLS
 - Streets
 - Sections
 - Townships
 - ▨ GWR LUST Buffer

06/02/2005

WATER QUALITY FOR COURTLAND LAND LLC

55-207788

All Samples

Rec	DEQ Well	Registry ID	Results	Units	Detection Limits	Detection Limit Units	MCL	MCL Units	MCL2	MCL2 Units	HBGL	HBGL Units	Sample Date	Parameter Name
1	18041		338	UMHOS/CM		UMHOS/CM							AUG 02 1984	SPECIFIC CONDUCTANCE (UMFROSCM @ 25C)
2	18041		17	mg/L		mg/L							AUG 02 1984	SILICA, DISSOLVED (AS SI02)
3	18041		8.5	mg/L		mg/L							AUG 02 1984	MAGNESIUM, DISSOLVED (AS MG)
4	18041		0.75	mg/L		mg/L	10	mg/L					AUG 02 1984	NITRITE PLUS NITRATE, DISS. DET. (AS N)
5	18041		0.01	mg/L	0.01	mg/L							AUG 02 1984	PROSPORUS, DISSOLVED
6	18041		8.2	SU		SU							AUG 02 1984	ORTHOPOSPHATE (AS P)
7	18041		121	mg/L		mg/L							AUG 02 1984	PH, LAB. STANDARD UNITS SU
8	18041		32	DEG C		DEG C							AUG 02 1984	ALKALINITY, TOTAL (AS CAC03)
9	18041		17	ug/L		ug/L							AUG 02 1984	TEMPERATURE, AIR (DEGREES CENTIGRADE)
10	18041		1	ug/L		ug/L	50	ug/L			45	ug/L	AUG 02 1984	LITHIUM, DISSOLVED (AS LI)
11	18041		27	DEG C		DEG C							AUG 02 1984	SELENIUM, DISSOLVED (AS SE)
12	18041		1	ug/L		ug/L	50	ug/L			50	ug/L	AUG 02 1984	CENTIGRADE TEMPERATURE (DEGREES)
13	18041		79	ug/L		ug/L	2000	ug/L			5000	ug/L	AUG 02 1984	ARSENIC, DISSOLVED (AS AS)
14	18041		60	ug/L		ug/L							AUG 02 1984	BARIUM, DISSOLVED (AS BA)
15	18041		39	mg/L		mg/L							AUG 02 1984	BORON, DISSOLVED (AS B)
16	18041		17	mg/L		mg/L		250	mg/L				AUG 02 1984	SODIUM, DISSOLVED (AS NA)
17	18041		22	mg/L		mg/L		250	mg/L		400	mg/L	AUG 02 1984	CHLORIDE, TOTAL IN WATER
18	18041		0.7	mg/L		mg/L	4	mg/L			4	mg/L	AUG 02 1984	SULFATE, TOTAL (AS SO4)
19	18041		21	mg/L		mg/L							AUG 02 1984	FLUORIDE, DISSOLVED (AS F)
20	18041		2.6	mg/L		mg/L							AUG 02 1984	CALCIUM, DISSOLVED (AS CA)
21	18041		0.3	ug/L		ug/L							AUG 02 1984	POTASSIUM, DISSOLVED (AS K)
22	18041		8.1	SU		SU	2	ug/L			2	ug/L	AUG 02 1984	MERCURY, DISSOLVED (AS HG)
23	18041		10	ug/L	10	ug/L		6.5	SU				AUG 02 1984	PH (STANDARD UNITS)
24	18041		330	ug/L		ug/L		50	ug/L				AUG 02 1984	ALUMINUM, DISSOLVED (AS AL)
25	18041		4	ug/L		ug/L							AUG 02 1984	STRONTIUM, DISSOLVED (AS SR)
26	18041		2	ug/L		ug/L		300	ug/L				AUG 02 1984	IRON, DISSOLVED (AS FE)
27	18041		4	ug/L		ug/L	15	ug/L			20	ug/L	AUG 02 1984	LEAD, DISSOLVED (AS PB)
28	18041		1	ug/L		ug/L							AUG 02 1984	MANGANESE, DISSOLVED (AS MN)
29	18041		3	ug/L		ug/L	5	ug/L			5	ug/L	AUG 02 1984	CADMIUM, DISSOLVED (AS CD)
30	18050	55-603352	350	UMHOS/CM		UMHOS/CM							AUG 02 1984	CHROMIUM, HEXAVALENT (AS CR)
31	18050	55-603352	20	mg/L		mg/L							APR 24 1979	SPECIFIC CONDUCTANCE (UMFROSCM @ 25C)
32	18050	55-603352	19	mg/L		mg/L							APR 24 1979	SILICA, DISSOLVED (AS SI02)
33	18050	55-603352	8.7	mg/L		mg/L							APR 24 1979	CALCIUM, DISSOLVED (AS CA)
34	18050	55-603352	1.9	RATIO		RATIO							APR 24 1979	MAGNESIUM, DISSOLVED (AS MG)
35	18050	55-603352	50	PERCENT		PERCENT							APR 24 1979	SODIUM ADSORPTION RATIO
36	18050	55-603352	202	mg/L		mg/L							APR 24 1979	SODIUM, PERCENT SOLIDS, DISSOLVED/SUM OF CONSTITUENTS

06/02/2005

WATER QUALITY FOR COURTLAND LAND LLC

55-207788

Rec	DEQ Well	Registry ID	Results	Units	Detection Limits	Detection Limit Units	MCL	MCL Units	MCL2	MCL2 Units	HBGL	HBGL Units	Sample Date	Parameter Name
37	18050	55-603352	1.2	mg/L		mg/L	10	mg/L					APR 24 1979	NITRITE PLUS NITRATE, DISS. T.D.E.T. (AS N)
38	18050	55-603352	140	mg/L									APR 24 1979	BICARBONATE ION (AS HCO3)
39	18050	55-603352	5.6	mg/L									APR 24 1979	CARBON DIOXIDE (AS CO2)
40	18050	55-603352	110	mg/L									APR 24 1979	ALKALINITY, TOTAL (AS CaCO3)
41	18050	55-603352	28	DEG C		DEG C							APR 24 1979	CENTIGRADE TEMPERATURE (DEGREES)
42	18050	55-603352	90	ug/L		ug/L							APR 24 1979	BORON, DISSOLVED (AS B)
43	18050	55-603352	40	mg/L		mg/L							APR 24 1979	SODIUM, DISSOLVED (AS NA)
44	18050	55-603352	12	mg/L		mg/L		250	mg/L				APR 24 1979	CHLORIDE TOTAL IN WATER
45	18050	55-603352	24	mg/L		mg/L		250	mg/L	400	mg/L		APR 24 1979	SULFATE, TOTAL (AS SO4)
46	18050	55-603352	0.6	mg/L		mg/L	4	mg/L	2	mg/L	4	mg/L	APR 24 1979	FLUORIDE, DISSOLVED (AS F)
47	18050	55-603352	43	mg/L		mg/L							APR 24 1979	SODIUM, PLUS POTASSIUM
48	18050	55-603352	2.9	mg/L		mg/L							APR 24 1979	POTASSIUM, DISSOLVED (AS K)
49	18050	55-603352	63	mg/L		mg/L							APR 24 1979	HARDNESS, TOTAL (AS CaCO3)
50	18050	55-603352	0.27	TON/A-FT		TON/A-FT							APR 24 1979	SOLIDS, DISSOLVED-TONS PER ACRE-FT
51	18050	55-603352	7.6	SU		SU		6.5	SU				APR 24 1979	PH (STANDARD UNITS)
52	18050	55-603352	10	ug/L		10 ug/L		300	ug/L				APR 24 1979	IRON, DISSOLVED (AS FE)
53	18050	55-603352	2	ug/L		ug/L		50	ug/L				APR 24 1979	MANGANESE, DISSOLVED (AS MN)

A large, bold, black stamp with the word "COPY" in a sans-serif font. To the left of the text is a small icon of a document with a folded corner.

From: Carol Norton
To: Sumpter-King, Darlene
Date: 5/25/05 1:41 PM
Subject: 59-207787 Courland Land LLC Hydro Test

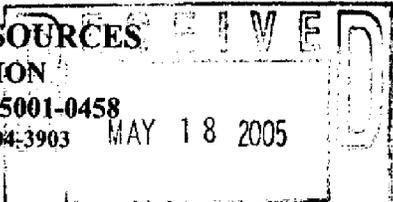
The Hydrology Division is in receipt of the above referenced Application to Withdraw Groundwater for Hydrologic Testing. The applicant intends to withdraw 10 acre feet of groundwater from one new well to be drilled, no. 55-207788 B(04-02)10 acc. The purpose of the test is to determine aquifer characteristics. Groundwater withdrawn will not be put to beneficial use.

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

1. Test results shall be submitted to Darlene Sumpter-King, Phoenix Active Management Area, Arizona Department of Water Resources, 500 North Third Street, Phoenix, Arizona 85004, within 60 days upon completion of the test(s). 5/25/5

CC: Modesto, Karen; Ward, Sharon; wrjasm; Zachreson, Tana

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



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

COPY

I. INSTRUCTIONS

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

FOR DEPARTMENT USE ONLY	
Application/Permit No.	59-207787
Filed	5-18-2005
AMA	PHOENIX
S/B	04 w/s 06

II. GENERAL DATA

Please check one:

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

1. NAME OF APPLICANT Courtland Land LLC

Mailing Address 5333 N. 7th Street, Suite 305

Phoenix	AZ	85014	602-265-3713
City	State	Zip Code	Telephone Number

2. NAME OF LAND OWNER where groundwater will be withdrawn Courtland Land LLC

Mailing address 5333 N. 7th Street, Suite 305

Phoenix	AZ	85014	602-265-3713
City	State	Zip Code	Telephone Number

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

- To obtain groundwater samples not exceeding 3 acre feet per annum for testing groundwater quality in order to comply with applicable environmental controls for a period of up to 10 years (A.R.S. § 45-519.01.A.)
- To test hydrologic characteristics and conditions, including groundwater quality. Groundwater withdrawn shall not exceed 10 acre feet nor shall the period of withdrawal exceed 90 days, (A.R.S. § 45-519.01.B.)
- To withdraw more than 10 acre feet of groundwater for hydrologic testing purposes, and/or for a period greater than 90 days include specifics of testing circumstances that require such withdrawal and/or period, (A.R.S. § 45-519.01.D.)
- To withdraw groundwater to test the hydrologic characteristics of a potential artificial groundwater recharge project site, or a potential underground storage and recovery project site. The period of withdrawal may not exceed 2 years (A.R.S. § 45-519.01.E.)

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

5. The specific purpose for the hydrologic testing is: Determine aquifer conditions and water quality

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

7. If applicant cannot reasonably put the withdrawn groundwater to a beneficial use or provide it to a rightholder, explain why. No significant non-potable uses of water exist within two (2) miles of the site

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

9. Name and mailing address of the owner of the land where groundwater will be used: Courtland Land LLC

5333 N. 7th Street, Suite 305	Phoenix	AZ	85014	602-265-3713
Mailing Address	City	State	Zip Code	Telephone No.

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

11. Anticipated duration of the hydrologic testing 10 Days 0 Months.

12. Requested duration of the hydrologic testing permit 0 Days 8/12/05 Months.

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

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

15. Groundwater to be withdrawn by means of:

A. WELLS ALREADY IN EXISTENCE:

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

B. WELLS TO BE NEWLY CONSTRUCTED:

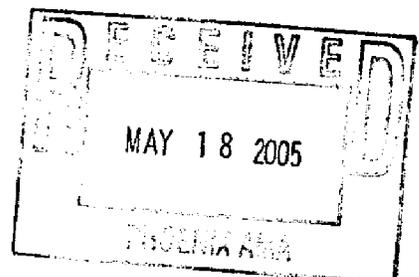
Complete and attach New Well Construction Supplement, DWR form 55-90, for each new well to be drilled.

16. State your plans for the well(s) after testing is completed: Depending on results of aquifer testing, well will be abandoned or may be converted to a production well

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

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

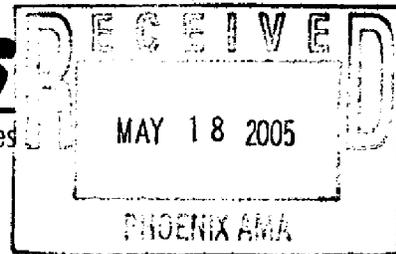
Signature of Applicant [Signature] Date 5/17/05





Fluid Solutions

Water • Wastewater • Engineering • Environmental Services



May 17, 2005

COPY

HAND DELIVERED

Arizona Department of Water Resources
Groundwater Management Support
P.O. Box 458
Phoenix, Arizona 85001-0458

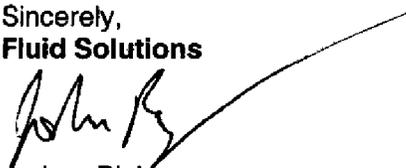
Re: Notice of Intent to Drill a Hydrologic Test Permit

To Whom It May Concern:

Please find enclosed an Application for a Hydrologic Test Permit. Also enclosed with the form is a check in the amount of \$100.

Thank you for your assistance. If there are any questions, please contact the undersigned at 602-274-6725.

Sincerely,
Fluid Solutions



Joshua Blakey
Staff Hydrologist

Enclosures

 **COPY**

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



June 13, 2005

JANET NAPOLITANO
Governor

John Wittrock
Courtland Land LLC
5333 N. 7th Street, #305
Phoenix, Arizona 85014

HERB GUENTHER
Director

RE: Permit to Withdraw Groundwater for Hydrologic Testing No. 59-207787.0000
Well Registration No. 55-207788; File No. B (4-2) 10 ACC

Dear Permittee:

Your permit as referenced above is enclosed for your records. The on-site inspection has been completed and the drill card for the proposed wells has been delivered to the driller you selected.

Pursuant to the provisions of A.R.S. § 45-604, any person withdrawing groundwater from a well is required to use a water measuring device to record rates of withdrawal in order to provide or allow the computation of an annual volume of pumpage from the well. The total volume of pumpage shall be reported on an annual report. The first annual reporting period shall be from the date of issuance of this permit until the end of the year 2005, or the expiration date of the permit, whichever comes first. Additionally, within sixty (60) days of the expiration date of the permit, the permittee shall provide the results of the test data to the Arizona Department of Water Resources, to Darlene Sumpter-King, Water Management Division office for evaluation.

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

Under A.R.S. § 45-593, the person to whom a well is registered must notify the Department of a change in ownership, physical characteristics or any other data about the well in order to keep the well registration records current and accurate. For such future use, a Request to Change Well Information form is enclosed.

The permit has been issued by this Department without a hearing. As such, it is an appealable agency action. You are entitled to appeal and your rights are described in the enclosed notice of right to appeal.

Courtland Land LLC
June 13, 2005
Page two

 **COPY**

If you have any questions about the permit, please call Sharon Ward of the Phoenix AMA office at 602-417-2465.

Sincerely,



Darlene Sumpter-King
Water Resource Specialist

Enclosure

cc: Mike Lacey, Fluid Solutions
Sharon Ward, Phoenix Active Management Area
ADWR Hydrology Division

PERMIT NO. 59-207787.0000

 **COPY**

Maximum Authorized Withdrawals: 10.00 acre-feet.

Disposition of Groundwater: No Beneficial use.

Authorized Well Registration Number:	File Numbers:	Depth of Well	Casing Diameter	Casing Material
55-207788	B (4-2) 10 ACC	1500	6 $\frac{3}{4}$ inches	Steel

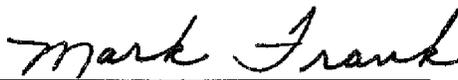
Effective Date of Permit: June 13, 2005

Expiration Date of Permit: June 12, 2006

Permit Conditions

1. Within sixty (60) days of the expiration date of the permit, the permittee shall provide the results of the test data to the Arizona Department of Water Resources for evaluation. Results shall be mailed to Darlene Sumpter-King, Water Management Division, Arizona Department of Water Resources, 500 North Third Street, Phoenix, Arizona 85004.
2. This approval for test wells and pump test does not constitute a commitment by the Department for the granting of a right to withdraw groundwater or converting the test well into a production well.
3. The well drilled for this project shall be drilled in compliance with the Arizona Department of Water Resources minimum well construction standards, A.A.C. R12-15-811.
4. The issuance of the permit does not waive any federal, state, county or local government ordinances, regulations or permits for which the facility may have to comply.
5. The permittee shall monitor withdrawals of groundwater and shall report the total amount of groundwater withdrawn on an annual water withdrawal and use report. The first annual reporting period shall be from the date of issuance of this permit through December 31, 2005, or the expiration date of this permit, whichever comes first.

WITNESS my hand and seal of office this 13th day of June, 2005.



Mark Frank, Acting Assistant Director

Drilling Authorities

Registry ID	License #	Issue Date	Expiration Date
55-007738	671	06/08/2005	06/07/2006
Comments			

Driller Licenses

Company		Qualifying Party	
ADT DRILLING dba Advanced Drilling Technology		SEE COMMENTS	<input checked="" type="checkbox"/> Active License
Address1		Address2	
28150 N ALMA SCHOOL RD #103		- PMB 440	
City	State	Zip Code	Phone
SCOTTSDALE	AZ	85262	877-374-5464
			RQC Licenses
			C-53 & A-4
Comments			
JAY MARCUS CLICK 1999-2006 ACTIVE ROBERT ANTHONY SLANE 1999 - 2000 INACTIVE (SEE 663) dba Advanced Drilling Technology, L.L.C.			

ARIZONA DEPARTMENT OF WATER RESOURCES
WATER MANAGEMENT DIVISION

500 North Third Street
Phoenix, Arizona 85004

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

WELL REGISTRATION NO: 55-207788 PERMIT NO.: 59-207787

AUTHORIZED DRILLER: ADT DRILLING LICENSE NO: 671

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

WELL OWNER: Courtland Land LLC 5333 N. 7th St., Ste.305 Phoenix, AZ 85014

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

SW¹/₄ of the SW¹/₄ of the NE¹/₄ Section 10 Township 4 North Range 2 West

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

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE 12TH DAY OF JUNE, 2006.

MLJ

WATER MANAGEMENT DIVISION

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



COPY

**Arizona Dept of Water Resources - Darlene Sumpter-King
PHOENIX AMA - CHECK DEPOSIT REQUEST**

Date: May 18, 2005

Applicant: Courtland Land LLC

Payment submitted by: Fluid Solutions

Address on check: 1121 E. Missouri #100 Phoenix, AZ 85014

Application No. 59-207787 (55-207788)

Code	Type of Fee:	Amount:	Check No.
55	Application for Well Permit (\$150.00)		
55	Well Permit Fee (\$30.00)		
58	Type I Conversion Request Flex Account Transfers (\$100.00)		
59	Application for Permit to Withdraw (\$50.00 or \$150.00)	\$50.00	6077
59	Withdrawal Permit Fee (\$50.00)	\$50.00	6077

6077

FLUID SOLUTIONS

1121 E. MISSOURI #100
PHOENIX, AZ 85014
PHONE (602) 274-6725

M & I MARSHALL & ILSLEY BANK
ARIZONA
91-404-1221

5/17/2005

PAY TO THE
ORDER OF

Arizona Department of Water Resources

\$ **100.00

One Hundred and 00/100*****

DOLLARS

Arizona Department of Water Resources
500 North 3rd Street
Phoenix, Arizona 85004

MEMO



Details on back
Security Features Included.

MP

Sincerely,

Vanessa Reyes

Vanessa Reyes
Water Resources Specialist

Enclosures

cc: Tana Zachreson, Phoenix AMA
File



PERMIT NO. T-213856

Well Location: The SW ¼ of the SW ¼ of the NE ¼ of Section 10, Township 4 North, Range 2 West of the GSRB&M.

Depth: 1500 ft.
Casing Material: Steel
Casing Diameter: 7 inches

Maximum Pumping Capacity: 300 gallons per minute

Maximum Annual Volume: 176 acre-feet

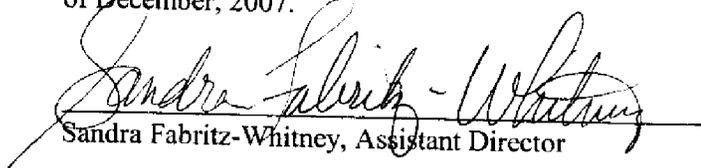
Authorized Place of Use for Groundwater Withdrawn: As Authorized by Type 2 Non-Irrigation Grandfathered Right No. 58-117273.0002 & Lease of Type 2 Right No. 58-112312.0004

Authorized Use of Groundwater: As Authorized by Type 2 Non-Irrigation Grandfathered Right No. 58-117273.0002 & Lease of Type 2 Right No. 58-112312.0004

Permit Conditions

1. This permit is issued pursuant to A.R.S. § 45-599 and authorizes the permittee to operate an existing well for the purpose of withdrawing groundwater for the use or uses set forth in the permit. This permit does not authorize the permittee to withdraw surface water from the well. If the permittee withdraws surface water from the well in any year, the permittee shall do so only pursuant to a decreed or appropriative surface water right and shall separately report in the annual report filed pursuant to A.R.S. § 45-632 the amount of groundwater and surface water withdrawn from the well.
2. The issuance of the permit does not waive any federal, state, county or local government ordinances, regulations or permits for which the facility may have to comply.

WITNESS my hand and seal of office this 31st day of December, 2007.


Sandra Fabritz-Whitney, Assistant Director

Vanessa R. Reyes

From: Tana Zachreson [tzachreson@azwater.gov]
Sent: Thursday, December 20, 2007 6:52 PM
To: Vanessa R. Reyes
Subject: Fwd: Re: IPR Summary for approval

Attachments: FestivalFoothillsIPR.PDF



FestivalFoothillsIPR
.PDF (37 K...

Here is Jeff's sign-off for Courtland Homes T-216462 (55-207788.) He labeled the pdf incorrectly. The attachment is my Courtland sign-off but he titled it Festival Foothills, so disregard the title.

Whenever you have a chance, can you draft the cover letter and permit for me to review? Has Sharon showed you how to do this yet? If not, don't worry about it. I know there are probably others that need to be done first. The timeframe for this application is not up until Jan. 18th, so it can wait a little while. We can work on it on Thursday when I get back if you want to wait.

THANKS SO MUCH.

Merry Christmas!

Tana

>>> Jeff Tannler 12/19/07 10:28AM >>>
Here you go! Hey if I don't see you, have a wonderful Christmas!!
Jeff

>>> Tana Zachreson 12/18/07 06:55PM >>>
Hi!

I have attached a T-app summary for your approval. Please let me know if you have any questions. I will be out of the office tomorrow, returning on Thursday.

Thanks,

Tana

IPR SUMMARY REVIEW MEMORANDUM

*Prepared by Tana Zachreson, Phoenix AMA
December 18, 2007*

APPLICANT: Courtland Land L.L.C.
APPLICATION NO: T-216462, 55-207788
APPLICATION TYPE: Non-Exempt, Non-Service Area Well

Summary of the facts: On October 18, 2007, Courtland Land L.L.C. filed an application for a permit to convert an existing hydrotest well to non-exempt, non-service area well. Well Registration No. 55-207788 is located in the SW ¼ SW ¼ NE ¼ Section 10 T4N R2W, which is between 183rd Avenue and Citrus Rd. and between Happy Valley Rd. and Pinnacle Peak Rd. The well will be used for construction and municipal purposes for Beardsley Water Company.

The applicant's claim of entitlement to withdraw groundwater is based upon Type 2 Non-Irrigation Grandfathered Right No. 58-117273.0003, owned by Courtland Capital, LLC with an annual allotment of 26 acre-feet and lease of Type 2 Right No. 58-112312.0004 owned by Phoenix Country Club with an annual allotment of 527 acre-feet. The applicant's lease of Type 2 Right No. 58-112312.0004 is for 150 acre-feet and expires on December 31, 2007. The applicant has indicated that they will renew the lease.

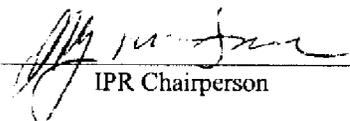
The design pump capacity of the well is 300 gpm with a proposed annual volume of 176 acre-feet. The well impact analysis indicates that the five-year ten-foot drawdown radius is less than 10 feet. No wells are impacted. Hydrology and Water Quality do not have any objections to the issuance of the permit.

AMA Recommendations: The Phoenix AMA recommends approval for 176 acre-feet per year.

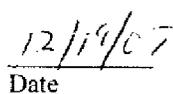
IPR Special Conditions:

IPR Committee Recommendations:

- Approved
- Denied
- Other (explanation) _____



IPR Chairperson



Date

ARIZONA DEPARTMENT OF WATER RESOURCES
Hydrology Division

M E M O R A N D U M

TO: Vanessa Reyes, Phoenix AMA

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

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

DATE: December 3, 2007

RE: Courtland Homes LLC, Application for a permit to drill or operate non-exempt non-service area well in the Phoenix AMA.
Numbers: T-216462, **WELL IMPACT ANALYSES** for well numbered:
55-207788, B-4-2 10 ACC

Hydrology has completed its evaluation of the above referenced application for a permit to drill or operate a non-exempt non-service area well. A ten-foot drawdown analysis was performed by Hydrology for the well in B-4-2 10 ACC Hydrology used the parameters calculated from the most recent SRV Model to conduct both a standard Theis analysis and THWELLS calculation for the drawdown radius. No image wells were used in the THWELLS analysis. The results are presented below:

Well Location & registration number:	Analysis performed by	Transmissivity Value (gpd/ft)	Specific Yield	Pumping Volume AFA	Ten-Foot Drawdown Radii After Five Years
B-4-2 10 ACC 55-207788	ADWR	18,174	0.07	176 (109 gpm)	<10

According to the parameters of the application, the calculated drawdown at the well is 14.5 feet for the five-year time period. The location of the proposed well was also reviewed for water quality and subsidence. No additional water quality or subsidence monitoring is required. For the purpose of AMA review, please use Hydrology's calculated radius.

Attachments

Well Spacing Review Sheet

Well Reg. No. **55-207788**
Applicant: **Courtland Land LLC**

Well Location: **B (4-2) 10 ACC**

Depth of well: **1500** feet
Diameter: **6** in.

Proposed Well: **yes** Replacement: **NA**
Existing: **no** Replacement no:

Proposed volume: **176** acre-ft/yr
Q = **109** gpm
T = **18,174** gpd/ft T Source: **SRV Model**

Sy = **0.07** Sy Source: **SRV Model**

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

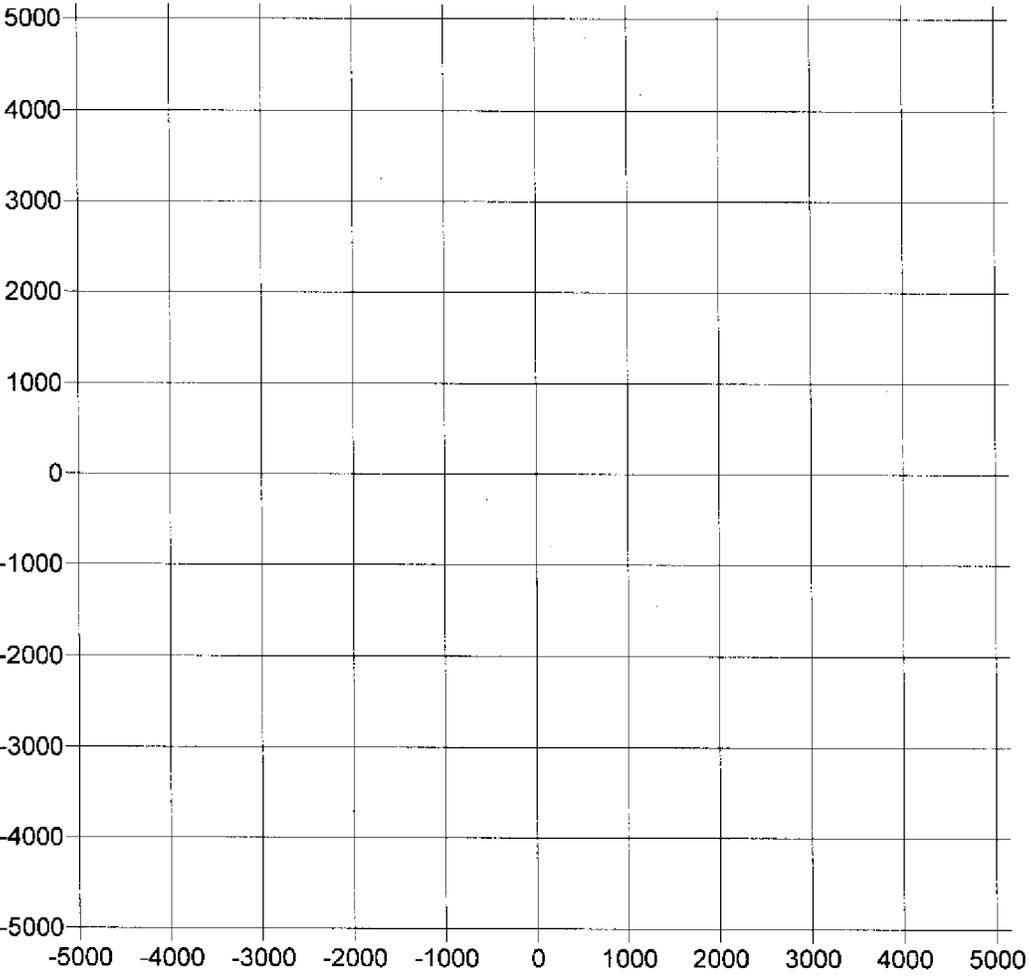
drawdown at well = **14.5** feet

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

Analyzed by: *Amme*
Date: *11/28/07*

Checked by: *S. R.*
Date: *11-29-07*

Courtland Homes
55-207788
B (4-2) 10 ACC
T=18,174 GPD/FT
Sy=0.07
Q=109 gpm



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

55-207788

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

UNCONFINED AQUIFER - THEIS EQUATION WITH JACOB'S CORRECTION

WATER TABLE CORRECTION APPLIED

AQUIFER THICKNESS = 1141 [ft]
TRANSMISSIVITY = 18174 [gpd/ft]

STORAGE COEFFICIENT = .07

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

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

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

WATER TABLE CORRECTION APPLIED

AQUIFER THICKNESS = 1141 [ft]

PUMPING/INJECTION WELL DATA

WELL NO. 1 (55-207788)

X-COORDINATE = 0 [ft]
Y-COORDINATE = 0 [ft]
PUMPING/INJECTION RATE = 157123 [gpd]
TIME SINCE START PUMPING/INJECTION = 1825 [day]

***** RESULTS *****

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

Y [ft]	<- X [ft] ->						
	-20	-10	0	10	20	30	
-50.00	7.455	7.531	7.558	7.531	7.455	7.345	
-40.00	7.712	7.825	7.867	7.825	7.712	7.558	
-30.00	8.011	8.193	8.266	8.193	8.011	7.785	
-20.00	8.347	8.673	8.828	8.673	8.347	8.011	
-10.00	8.673	9.308	9.789	9.308	8.673	8.193	
0.00	8.828	9.789	14.542	9.789	8.828	8.266	
10.00	8.673	9.308	9.789	9.308	8.673	8.193	
20.00	8.347	8.673	8.828	8.673	8.347	8.011	
30.00	8.011	8.193	8.266	8.193	8.011	7.785	
40.00	7.712	7.825	7.867	7.825	7.712	7.558	
50.00	7.455	7.531	7.558	7.531	7.455	7.345	

THEIS CALCULATION

Well Reg. No. 55-207788 Well Location B (4-2) 10 ACC
 Applicant: Courtland Land LLC

t =	1825 days	Q =	176 acre-ft/yr
s =	25 ft	T =	109 gpm
u =	0.00E+00	Sy =	18174 gpd/ft
			0.07

$W(u) = 36.3354$

25 foot drawdown radius = 0.00 ft = 0.00 mi

t =	1825 days	Q =	176 acre-ft/yr
s =	10 ft	T =	109 gpm
u =	2.73E-07	Sy =	18174 gpd/ft
			0.07

$W(u) = 14.5341$

10 foot drawdown radius = 8.32 ft = 0.00 mi

t =	1825 days	Q =	176 acre-ft/yr
s =	1 ft	T =	109 gpm
u =	1.52E-01	Sy =	18174 gpd/ft
			0.07

$W(u) = 1.4534$

1 foot drawdown radius = 6205.96 ft = 1.18 mi

r =	1 ft		
u =	3.94663E-09	drawdown at well	
W(u) =	18.77	s =	12.91 ft

Equations:

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

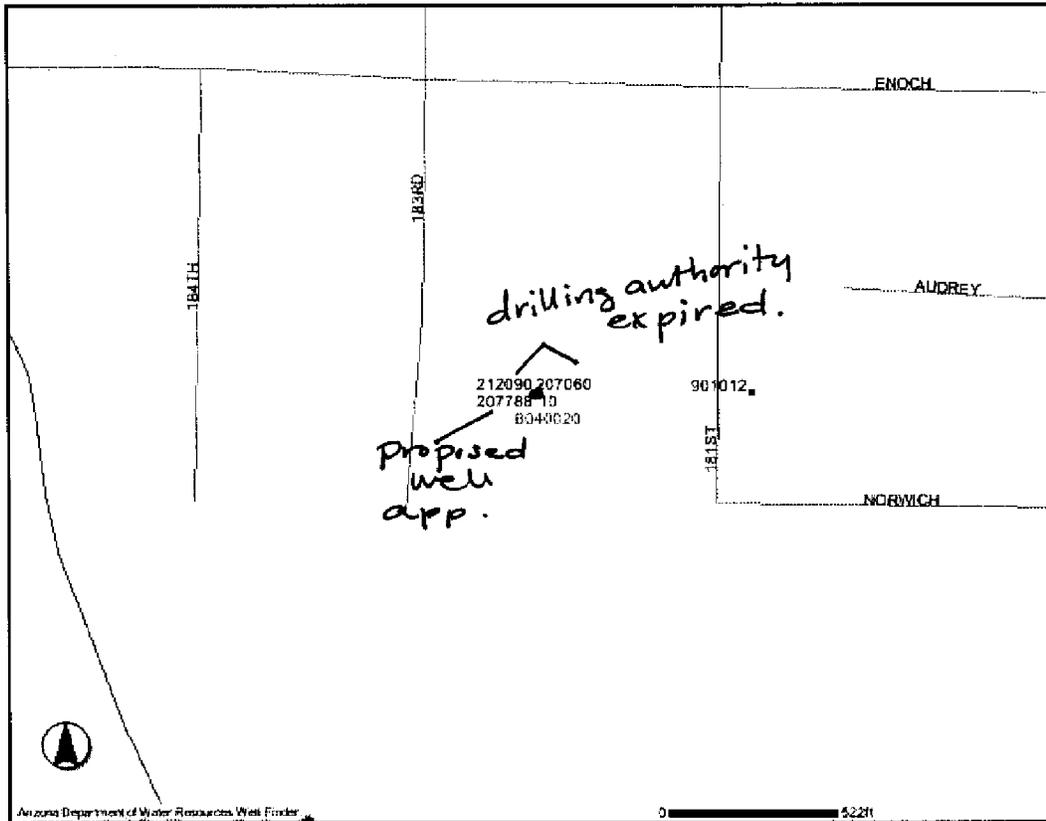
$$u = \frac{1.87 r^2 Sy}{Tt} \quad r = \sqrt{\frac{Tut}{1.87 Sy}}$$

109 gpm 157123 gpd

where:

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

55-207788, T-216462 (5-yr, 10-ft drawdown radius of 10 feet)



Arizona Department of Water Resources

- Legend**
- Selected Feature
 - Buffer Polygon
 - Buffered Feature
 - Well Registry
 - Stream
 - Road
 - Township
 - Section

Map generated on 12/18/2007

The information contained in the Well Registration database has not been verified by the state of Arizona and ADWR is unable to guarantee the accuracy of this information. Each mapped well location may represent more than one well and program limitations may inhibit the display of all matching registry numbers per location.

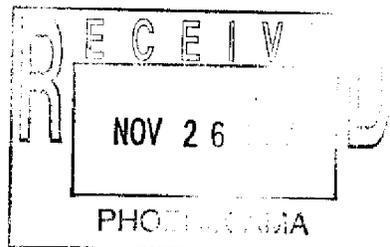


Fluid Solutions

Water • Wastewater • Engineering • Environmental Services

November 20, 2007

TRANSMITTED VIA E-MAIL – HARD COPY MAILED



Arizona Department of Water Resources
Phoenix Active Management Area
3550 North Central Avenue
Phoenix, Arizona 85012
Attn: Tana Zachreson, Water Resource Specialist

**Re: Response to November 14, 2007 Letter
Application No. T-216462, Well Registration No. 55-207788**

Dear Tana:

On behalf of Courtland Homes, Fluid Solutions submits the following response to the issues raised in the above referenced letter.

Well as-built diagram. The attached plan sheet contains an as-built diagram of the above referenced well. Much of this information is already on file with the Department on the *Well Driller Report and Well Log*.

Hydrologic Testing Data. Drawdown data was not collected during the testing of this well in a manner suitable for submittal to ADWR. The well was pumped at a maximum rate of 179 gallons per minute. A total of 1.08 acre-feet was reported to the Department as being pumped during the testing of this well.

Laboratory samples were collected from the well and analyzed for the full New Source Suite. The results of this testing are already in the Department's files as evidenced by the imaged records for 55-207788.

Claim of Entitlement. The regulatory purpose of the open-ended question posed by the Department with regard to the water right leases is unclear. These leases were valid at the time of the application and remain valid at the time of this response.

58-117273 is owned by Courtland Capital, Inc. John Wittrock is an authorized signatory for Courtland Homes, Courtland Capital and Courtland Land. This lease will be extended as necessary to support the application and Courtland's use of the well indefinitely.

No decision has been made as to whether to extend the lease of 58-112312. However, it is likely that either: this lease will be extended; a replacement Type 2 secured; or additional withdrawal authority, in the form of Beardsley Water Company's Service Area Right will be added to the well as necessary.

Ms. Tana Zachreson, ADWR
Phoenix AMA
November 20, 2007
Page 2

Please let me know if you have any questions regarding the above responses. I respectfully request that the Department contact me via e-mail or telephonically at 602-274-6725 if any items require further information. Thank you for your assistance.

Sincerely,
Fluid Solutions


Michael J. Lacey
Principal Hydrologist, Member

Attachment

Cc: John Wittrock, Courtland Homes
Sharon Ward, ADWR-Phoenix AMA
Alene McCracken, ADWR-Hydrology

ARIZONA DEPARTMENT OF WATER RESOURCES

Phoenix Active Management Area Office

3550 North Central Avenue, Phoenix, Arizona 85012

Telephone (602) 771-8585

Fax (602) 771-8688



JANET NAPOLITANO
Governor

HERB GUENTHER
Director

November 14, 2007

Courtland Homes, Inc.
ATTN: John Wittrock
5333 N. 7th St., Ste 310
Phoenix, AZ 85014

**Re: Application for Permit to Drill or Operate a Non-Exempt Well, Application No. T-216462
Well Registration No. 55-207788**

Dear Mr. Wittrock:

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

- Please submit an as-built diagram and the results for the constant rate drawdown portion of the pump test. If you have any questions regarding this request, please contact Alene McCracken, Hydrology Division at 602-771-8535.
- The application indicates that the claim of entitlement to withdraw the proposed annual volume is based upon leases of Type 2 Non-Irrigation Grandfathered Right Nos. 58-117273.0003 and 58-112312.0004. The leases expire on December 31, 2007. Is there an option to renew the leases?

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

If you have any questions, please call Sharon Ward or Tana Zachreson of the Phoenix Active Management Area at (602) 771-8585.

Sincerely,

A handwritten signature in black ink, appearing to read "Tana Zachreson".

Tana Zachreson
Water Resource Specialist
Phoenix Active Management Area

Enclosure

cc: Fluid Solutions, Attn: Michael Lacey
Sharon Ward, Phoenix AMA
file

Run Date: 11/14/2007

AZ DEPARTMENT OF WATER RESOURCES

WELL REGISTRY REPORT - WELLS55

Location B 4 0 2 0 10 A C C Well Reg.No 55 - 207788 AMA PHOENIX AMA

Registered Name: COURTLAND LAND LLC
5333 N 7TH ST STE B-310
PHOENIX AZ 85014
File Type: NEW WELLS (INTENTS OR APPLICATIONS)
Application/Issue Date: 06/07/2005

Owner: OWNER
Driller No: 671
Driller Name: ADT DRILLING dba Advanced Drilling Technology, LLC
Driller Phone: 877-374-5464
County: MARICOPA
Well Type: WITHDRAWAL PERMIT
SubBasin: WEST SALT RIVER VALLEY
Watershed: AGUA FRIA RIVER
Registered Water Uses: TEST
Registered Well Uses: WATER PRODUCTION
Discharge Method: NO DISCHARGE METHOD LISTED
Power: NO POWER CODE LISTED
Intended Capacity GPM: 300.00

Well Depth: 1,500.00
Pump Cap: 0.00
Draw Down: 0.00
Case Diam: 7.00
Case Depth: 1,500.00
Water Level: 359.00
Acres Irrig: 0.00
Tested Cap: 0.00
CRT
Log X
Finish: STEEL - PERFORATED OR SLOTTED CASING

Contamination Site: NO - NOT IN ANY WQARF SITE

Comments: On 5/15/06, the Maricopa County Environmental Services Department (MCESD) issued a New Groundwater Source Approval listing this well. The approval was issued to First National Management, Inc. with PWS # 07-007, POE # 003 assigned. File update conducted 5/23/06. mib

Places Of Use

B 4 0 2 0 10 A

Current Action

10/30/2007 867 APP/NOI REVIEW BY HYDRO/WQARF COMPLETE
Action Comment: dw

Action History

10/24/2007 321 APP/NOI SENT TO WATER QUALITY FOR REVIEW
Action Comment: dh
10/24/2007 322 APP/NOI SENT TO AMA FOR REVIEW
Action Comment: dh
10/19/2007 305 APP RCVD FOR A WELL PERMIT FOR A CONVERSION
Action Comment: dh
5/8/2006 750 WELL LOG RECEIVED
Action Comment: RT
3/15/2006 755 WELL CONSTRUCTION COMPLETED
Action Comment: RT
6/13/2005 550 DRILLING AUTHORITY ISSUED
Action Comment:
6/8/2005 600 PERMIT ISSUED
Action Comment:
6/8/2005 552 DRILL CARD HELD BY AMA PENDING SITE VERIFICATION
Action Comment:
6/7/2005 410 AMA APPLICATION/NOI REVIEW COMPLETE
Action Comment:

Run Date: 11/14/2007

AZ DEPARTMENT OF WATER RESOURCES
WELL REGISTRY REPORT - WELLS55

6/2/2005	867	APP/NOI REVIEW BY HYDRO/WQARF COMPLETE
		Action Comment:
5/25/2005	400	HYDROLOGY APPLICATION REVIEW COMPLETE
		Action Comment:
5/19/2005	355	APP SENT TO AMA FOR REVIEW
		Action Comment:
5/19/2005	365	APP SENT TO HYDROLOGY FOR REVIEW
		Action Comment:
5/19/2005	866	APP/NOI SENT TO HYDRO/WQARF FOR REVIEW
		Action Comment:
5/18/2005	315	APP RCVD FOR A WITHDRAWAL PERMIT FOR A NEW WELL
		Action Comment:
5/18/2005	700	SITE VERIFIED AS ACCURATE
		Action Comment:

ARIZONA DEPARTMENT OF WATER RESOURCES
HYDROLOGY DIVISION – WATER QUALITY UNIT

MEMORANDUM

TO: Danita Haywood, Phoenix AMA
Sharon Ward, Phoenix AMA
Tana Zachreson, Phoenix AMA
Kevin Crego, Phoenix AMA
FROM: Dani Williams
Water Quality Unit
DATE: October 30, 2007
SUBJECT: Application for Permit to Drill or Operate a Non-Exempt Well in an AMA
Application T-216462 Well 55-207788
Courtland Land LLC

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

Water Quality

1. The well is not near an area of known groundwater contamination that is being remediated pursuant to an U.S. Environmental Protection Agency, Arizona Department of Environmental Quality (ADEQ), or Department of Defense program.
2. The ADEQ Groundwater Quality Database does not include any water quality records within one mile of the subject well. No other current water quality data are readily available.

Well Construction Standards

3. The well was drilled to 1500 feet below the land surface and screened from 560 to 830 feet and 1050 to 1500 feet. The well will was completed in the middle alluvial unit. The well meets minimum well construction standards.

The Hydrology Water Quality Unit has no objections to approving this permit. If additional information is needed, please contact me at extension 1-8555.

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



From: Alene McCracken
To: Haywood, Danita
Date: 10/24/07 9:34AM
Subject: Re: Courtland Land LLC (T-216462/55-207788)

Hello Everyone,

Please request that the applicant submit an as-built diagram and the results for the constant rate drawdown portion of the pump test. I have checked in Fortis and no test results have been received nor the as-built diagram.

Thanks,

Alene

>>> Danita Haywood 10/24/07 09:02AM >>>

CC: Crego, Kevin; Ward, Sharon

Arizona Department of Water Resources Groundwater Right/Facility Report

RIGHT #: 58-117273.0003 STATUS DATE: 10/24/2007
AMA: PHOENIX AMA RIGHT/PERMIT/FACILITY TYPE: TYPE 2 NON-IRRIGATION GFR
LAND OWNERSHIP : PRIVATE OR COMPANY FILE STATUS: ACTIVE - FULL CONVEYANCE
2007 ALLOTMENT: 26.00 BMP Enrollee: N RETIRED ACRES: 0.00
WATER DUTY ACRES: 0.00 IRRIGATION ACRES 0.00 WATER DUTY 0
IRRIGATION DISTRICT NAME: MAWA: 0

NAME & ADDRESS

COURTLAND CAPITAL LLC TYPE: OWNER
ATTN: JOHN WITTRUCK
5333 N 7TH ST STE B-305
PHOENIX AZ 85014 2842

PLACE OF USE

5 T1.0N R2.0W

10 T4.0N R2.0W

15 T4.0N R2.0W

BOOK/MAP/PARCEL

*** NO DATA FOUND ***

WELL SERVING

Well#	55 - 207788	Location	SW SW NE 10 T4.0N R2.0W	Year	2007
Well#	55 - 211025	Location	SW SW SE 15 T4.0N R2.0W	Year	2007
Well#	55 - 212090	Location	SW SW NE 10 T4.0N R2.0W	Year	2007
Well#	55 - 215419	Location	SW SW SW 15 T4.0N R2.0W	Year	2007
Well#	55 - 577174	Location	NW NW SW 5 T1.0N R2.0W	Year	2007

RIGHT TO FACILITY RELATIONSHIPS

*** NO DATA FOUND ***

Certificate of Grandfathered Groundwater Right

COUNTY OF MARICOPA

STATE OF ARIZONA DEPARTMENT OF WATER RESOURCES

*This is to certify that pursuant to the provisions of
Title 45, Chapter 2, Arizona Revised Statutes*

COURTLAND CAPITAL, LLC
5333 NORTH 7TH STREET, SUITE B-305
PHOENIX, ARIZONA 85014-2842

is granted

TYPE 2 NON-IRRIGATION GRANDFATHERED RIGHTS

in the

PHOENIX ACTIVE MANAGEMENT AREA

for **26.00** acre-feet of groundwater annually from January 1 through December 31. Groundwater withdrawn pursuant to this right may be used for a non-irrigation purpose(s). The well registration number(s) and the location of the well(s) where the groundwater will be withdrawn pursuant to this right is as follows:

55-207788	SW 1/4 of SW 1/4 of NE 1/4	Sec 10	T4N	R2W	GSRB&M
55-211025	SW 1/4 of SW 1/4 of SE 1/4	Sec 15	T4N	R2W	GSRB&M
55-212090	SW 1/4 of SW 1/4 of NE 1/4	Sec 10	T4N	R2W	GSRB&M
55-215419	SW 1/4 of SW 1/4 of SW 1/4	Sec 15	T4N	R2W	GSRB&M
55-577174	NW 1/4 of NW 1/4 of SW 1/4	Sec 5	T1N	R2W	GSRB&M

The use of groundwater under this right shall be in accordance with the laws of the State of Arizona and restrictions placed on use by the Director of the Department of Water Resources pursuant to Title 45, Chapter 2, Arizona Revised Statutes.



CERTIFICATE NO. 58-117273.0003

is granted this 24th day of October, 2007

ARIZONA DEPARTMENT OF WATER RESOURCES

Mark Frank
Area Director, Phoenix Active Management Area

The Department of Water Resources must be notified if the above named person(s) makes an address change or conveys ownership of the right to another person(s).

Certificate Of Grandfathered Groundwater Right

COUNTY OF MARICOPA

STATE OF ARIZONA DEPARTMENT OF WATER RESOURCES

*This is to certify that pursuant to the provisions of
Title 45, Chapter 2, Arizona Revised Statutes*

PHOENIX COUNTRY CLUB
2901 NORTH 7TH STREET
PHOENIX, ARIZONA 85014-5402

is granted

TYPE 2 NON-IRRIGATION GRANDFATHERED RIGHTS

in the

PHOENIX ACTIVE MANAGEMENT AREA

for 527.00 acre-feet of groundwater annually from January 1 through December 31. Groundwater withdrawn pursuant to this right may be used for a non-irrigation purpose(s). The well registration number(s) and the location of the well(s) where the groundwater will be withdrawn pursuant to this right is as follows:

55-085686	SE ¼	NW ¼	SE ¼	Sec 14	T1N	R1W	GSRB&M
55-207807	SW ¼	NE ¼	NW ¼	Sec 21	T1N	R4W	GSRB&M
55-207788	SW ¼	SW ¼	NE ¼	Sec 10	T4N	R2W	GSRB&M
55-208811	SW ¼	SW ¼	NE ¼	Sec 14	T1N	R5W	GSRB&M
55-210845	SW ¼	SW ¼	SW ¼	Sec 15	T4N	R2W	GSRB&M
55-211025	SW ¼	SW ¼	SE ¼	Sec 15	T4N	R2W	GSRB&M
55-212090	SW ¼	SW ¼	NE ¼	Sec 10	T4N	R2W	GSRB&M
55-214252	NW ¼	NW ¼	SW ¼	Sec 14	T3N	R2W	GSRB&M
55-522643	SE ¼	SW ¼	NW ¼	Sec 22	T4N	R2W	GSRB&M
55-600016	NW ¼	NW ¼	NE ¼	Sec 14	T1N	R5W	GSRB&M
55-606502	NE ¼	NE ¼	SW ¼	Sec 28	T2N	R3E	GSRB&M

The use of groundwater under this right shall be in accordance with the laws of the State of Arizona and restrictions placed on use by the Director of the Department of Water Resources pursuant to Title 45, Chapter 2, Arizona Revised Statutes.



CERTIFICATE NO. 58-112312.0004

is granted this 5th day of FEBRUARY, 2007

ARIZONA DEPARTMENT OF WATER RESOURCES

Mark Frank
Area Director, Phoenix Active Management Area

Light Number	58-112312.0004	PHOENIX COUNTRY CLUB 2901 N 7TH STREET PHOENIX, AZ 85014-5402 602 283 5208
Right Type	M TYPE 2 NON-IRRIGATION GFR	
AMA	C PHOENIX AMA	
	Current Allotment	527.00
	Current Active Leased Total	300.00
7 Active Leases Only		

Associated Lease(s)					Lessee
Lease ID	Status	Start Date	End Date	Lease Acre Feet	Lessee
50-112312.0000	AA	6/1/2006	12/31/2007	150.00	COURTLAND LAND LLC
50-112312.0001	AA	6/1/2006	12/31/2007	150.00	

Certificate Of Grandfathered Groundwater Right

COUNTY OF MARICOPA

STATE OF ARIZONA DEPARTMENT OF WATER RESOURCES

*This is to certify that pursuant to the provisions of
Title 45, Chapter 2, Arizona Revised Statutes*

PHOENIX COUNTRY CLUB
2901 NORTH 7TH STREET
PHOENIX, ARIZONA 85014-5402

is granted

TYPE 2 NON-IRRIGATION GRANDFATHERED RIGHTS

in the

PHOENIX ACTIVE MANAGEMENT AREA

for 527.00 acre-feet of groundwater annually from January 1 through December 31. Groundwater withdrawn pursuant to this right may be used for a non-irrigation purpose(s). The well registration number(s) and the location of the well(s) where the groundwater will be withdrawn pursuant to this right is as follows:

55-085686	SE ¼	NW ¼	SE ¼	Sec 14	T1N	R1W	GSRB&M
55-207807	SW ¼	NE ¼	NW ¼	Sec 21	T1N	R4W	GSRB&M
55-207788	SW ¼	SW ¼	NE ¼	Sec 10	T4N	R2W	GSRB&M
55-208811	SW ¼	SW ¼	NE ¼	Sec 14	T1N	R5W	GSRB&M
55-210845	SW ¼	SW ¼	SW ¼	Sec 15	T4N	R2W	GSRB&M
55-211025	SW ¼	SW ¼	SE ¼	Sec 15	T4N	R2W	GSRB&M
55-212090	SW ¼	SW ¼	NE ¼	Sec 10	T4N	R2W	GSRB&M
55-214252	NW ¼	NW ¼	SW ¼	Sec 14	T3N	R2W	GSRB&M
55-522643	SE ¼	SW ¼	NW ¼	Sec 22	T4N	R2W	GSRB&M
55-600016	NW ¼	NW ¼	NE ¼	Sec 14	T1N	R5W	GSRB&M
55-606502	NE ¼	NE ¼	SW ¼	Sec 28	T2N	R3E	GSRB&M

The use of groundwater under this right shall be in accordance with the laws of the State of Arizona and restrictions placed on use by the Director of the Department of Water Resources pursuant to Title 45, Chapter 2, Arizona Revised Statutes.



CERTIFICATE NO. 58-112312.0004

is granted this 5th day of FEBRUARY, 2007

ARIZONA DEPARTMENT OF WATER RESOURCES

Mark Frank
Area Director, Phoenix Active Management Area

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

**NOTIFICATION OF LEASE OF ALL OR A PORTION OF A
TYPE 2 NON-IRRIGATION GRANDFATHERED RIGHT**

INSTRUCTIONS

- Both the owner and the lessee must print name and sign this form.
- This form is for a lease of a Type 2 Grandfathered Right. If there is a change of ownership of the Type 2 Grandfathered Right, please contact the conveyance department at 602-771-8585.
- If a new certificate is requested, please provide the original certificate of Grandfathered Right. If the original certificate has been lost or destroyed, a notarized statement to this effect must be submitted, along with a \$35.00 certificate re-issue fee made payable to the Department of Water Resources.

AMA: Phoenix Pinal Prescott Santa Cruz Tucson

Notification of: Lease Sub-Lease

The undersigned parties hereby notify the Arizona Department of Water Resources of the lease of all or a portion of the following Certificate of Type 2 Non-Irrigation Grandfathered Right:

1. Certificate of Grandfathered Right Number: 58- 112312 . 0004
2. Amount of right indicated on the Certificate: 527 acre-feet per annum.
3. Amount of right to be assigned to lessee: 150 acre-feet per annum.
4. Amount of right still available for leasing: 377 acre-feet per annum.
5. Duration of lease: from 6/1/06 to 12/31/07
month/day/year month/day/year
6. Describe the lessee's intended non-irrigation use: Construction Water and Initiation of Service Area _____
 - a. Is this right associated with an industrial facility (i.e. golf course, etc)? If so, please enter the name and/or ADWR facility number: Phoenix Country Club
 - b. List other rights associated with the proposed use: N/A
7. Well information
 Will the lease result in the temporary addition of one or more points of withdrawal from the wells currently listed on the above referenced Certificate of Grandfathered Right? Yes No

OWNER
(Print or Type)

NAME _____
 Print Name Pasquale J. LaRocca
 COMPANY Phoenix Country Club
 ADDRESS 2901 N. 7th Street
Phoenix, AZ 85004
 PHONE _____

Pasquale J. LaRocca 7/6/06
 SIGNATURE DATE

LESSEE
(Print or Type)

NAME _____
 Print Name John Wittrock
 COMPANY DVWDC, Inc c/o Courtland Land LLC
 ADDRESS 5333 N. 7th Street
Phoenix, AZ 85014-2821
 PHONE 602-265-3713

John Wittrock 6-30-06
 SIGNATURE DATE

If you have questions regarding this notification, please call your local Active Management Area office
 Phoenix: 602-771-8585 Pinal: 520-836-4857 Prescott: 520-778-7202 Tucson: 520-770-3800 Santa Cruz: 520-761-1814

2. Will the type of use of the groundwater change after this conveyance? YES NO. If yes, describe the new use. (Note: In accordance with A.R.S. § 45-474(A), the owner of a Type 2 Non-irrigation Grandfathered Right that is issued for purposes of mineral extraction or processing, or for purposes of electrical energy generation, may not convey the right for any other purpose.)

PART III. APPLICATION FOR REVISED CERTIFICATE TO REFLECT NEW OR ADDITIONAL POINTS OF WITHDRAWAL

In accordance with A.R.S. § 45-471(C), the undersigned hereby requests the Arizona Department of Water Resources to issue a revised certificate of Type 2 Non-irrigation Grandfathered Right to reflect different points of withdrawal or to remove all wells from this certificate.

1. Wells to be added to the certificate (list by ADWR registration number; non-exempt wells only). If no new wells are to be added, write "None."

55- <u>SEE ATTACHED LIST</u>	Twp	Rng	Sec	Quarters			Owner Name	Proposed Type 2 Withdrawals
				160	40	10		
_____	_____	_____	_____	_____	_____	_____	_____	_____ acre-feet annually
_____	_____	_____	_____	_____	_____	_____	_____	_____ acre-feet annually
_____	_____	_____	_____	_____	_____	_____	_____	_____ acre-feet annually

2. Wells to be removed from the certificate (list by ADWR registration number) and status of removed wells:

55- _____	_____ not in use	_____ capped	_____ abandoned	_____ exempt	pump cap: _____ gpm
55- _____	_____ not in use	_____ capped	_____ abandoned	_____ exempt	pump cap: _____ gpm
55- _____	_____ not in use	_____ capped	_____ abandoned	_____ exempt	pump cap: _____ gpm

PART IV. GRANTOR AND GRANTEE OR CURRENT OWNER INFORMATION

GRANTOR (SELLER)
OR CURRENT OWNER

(Print or Type)

NAME Paquale J. LaRecca
 ADDRESS 2901 N. 7th St.
 PHONE (602) 263-5208
 SIGNATURE Paquale J. LaRecca DATE 7/6/06

GRANTEE (BUYER)
OR OTHER OWNERS OF
NEW POINTS OF WITHDRAWAL

(Print or Type)

NAME John Wittrack
 ADDRESS 5333 N 7th Street, Suite 301
 PHONE (602) 265-9467
 SIGNATURE [Signature] DATE 6-30-06

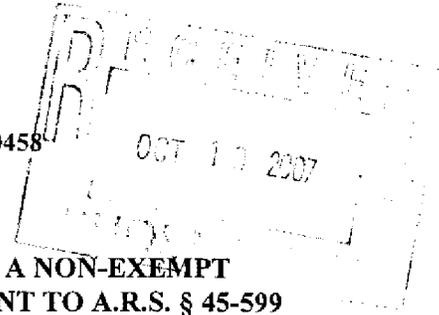
**Part III. Application For Revised Certificate To Reflect New Or Additional Points
Of Withdrawal**

	Twp	Rng	Sec	Quarters			Owner Name	Proposed Type 2 Withdrawals
			160	40	10			
55-211025	4N	2W	15	D	C	C	DWDC, Inc	up to 150 acre-feet annually
55-210845	4N	2W	15	C	C	C	Austin Ranch LLC	up to 150 acre-feet annually
55-212090	4N	2W	10	A	C	C	Beardsley Water Co.	up to 150 acre-feet annually
55-207787	4N	2W	10	A	C	C	Courtland Land LLC	up to 150 acre-feet annually
55-522643	4N	2W	22	B	C	D	Deer Valley Ind Ltd Part.	up to 150 acre-feet annually

55-207788, 5955-

Total withdrawal will not exceed 150 acre-feet annually

STATE OF ARIZONA
 DEPARTMENT OF WATER RESOURCES
 WATER MANAGEMENT SUPPORT SECTION
 MAIL TO: P.O. BOX 458, PHOENIX, ARIZONA 85001-0458
 3550 North Central Avenue, Phoenix, Arizona 85012
 Phone (602) 771-8585 Fax (602) 771-8688



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

I. INSTRUCTIONS:

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

II. GENERAL DATA:

FOR DEPARTMENT USE ONLY

1. Applicant Courtland Land LLC
 Mailing Address 5333 N. 7th St. #310
Phoenix AZ 85014
 City State Zip Code
 Contact Person John Wittrock
 Telephone Number _____

Application No. F-216463 Registration
 No. 207788
 File No. B(4-2)10 ALL
 Date Received 10/18/07
 AMA Phx
 W/S 06 S/B 04

2. Name of Land Owner Applicant
 Mailing Address _____

City State Zip Telephone Number

3. Applicant is: Owner Lessee
4. Proposed well is: New well Conversion (enlargement) of existing well Replacement well in a new location.
5. Claim of entitlement to withdraw groundwater is based upon:
 - Certificate of Grandfathered Right No: 58-117273-0002, 58-112312.0004
 - General Industrial Use Permit No. 59- _____
 - Service Area Right No: _____
 - Irrigation District Right No: _____

6. The principal use(s) of groundwater will be (be specific) Construction Water and Municipal

7. Well location: SW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 10 Township 4 N/S Range 2 E/W
 10 Acre 40 Acre 160 Acre

8. Position location of the well: Latitude 33 ° 42 ' 16 " N Longitude 112 ° 27 ' 8 " W

9. Design Pump Capacity 300 gpm Depth 1500 feet
 Diameter _____ inches Type of casing Steel

10. Proposed annual volume of water Up to 176 acre feet

11. Well is located in the West Salt River Valley Subbasin of the Phoenix Active Management Area.

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

13. Approximate date construction will begin: MONTH Existing YEAR _____

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

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

_____ 1/4 _____ 1/4 _____ 1/4 Section _____ Township 4 N~~S~~ Range 2 ~~SW~~ County Maricopa
10 Acre 40 Acre 160 Acre 3, 10, 11, 14, 15

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

16. Driller's Name ADT DWR License No: 671 ROC License Category _____

Mailing Address: 28150 N. Alma School Pkwy., #103
PMB #440 Scottsdale AZ 85262 (480) 471-1177
Street City State Zip Telephone Number

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

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

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

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

IV. FOR REPLACEMENT WELL IN NEW LOCATION ONLY:

20. Registration number of original well 55- _____

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

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

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

Will a hydrological study be submitted? Yes No

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

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

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

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

25. Registration number of the existing well 55- 207788 Present pump design capacity _____ gallons per minute.
Present permitted volume _____ acre-feet per year.

26. The new design pump capacity will be _____ gallons per minute. New permitted volume will be up to 176 acre-feet per year.

27. The existing well has previously been used in conjunction with or for the following: Domestic Water and Construction Water

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

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

Signature of Applicant [Signature] Date 10/17/07

PART II. NOTIFICATION OF CHANGE OF OWNERSHIP

In accordance with A.R.S. § 45-482(B), the undersigned parties hereby notify the Arizona Department of Water Resources of the conveyance of this Type 2 Non-Irrigation Grandfathered Right

1. Please specify the effective date of this ownership change ____/____/____ and the quantity of groundwater withdrawn between January 1 of that calendar year and the effective date: _____ acre-feet.

PART III. REQUEST FOR CHANGE IN POINT OF WITHDRAWAL

In accordance with A.R.S. § 45-471(C), the undersigned parties hereby request the Arizona Department of Water Resources to issue a revised certificate of Type 2 Non-irrigation Grandfathered Right to reflect different points of withdrawal or to remove all wells from this certificate:

1. Wells to be added to certificate (list by ADWR registration number; non-exempt wells only). If no new wells are to be added, write "None":

	Twp	Rng	Sec	Quarters	Owner Name	Proposed Type 2 Withdrawals
				160 40 10		
55 - 207788	4N	2W	10	A C C	Courtland Land, LLC	26 acre-feet annually
55 - _____	_____	_____	_____	_____	_____	_____ acre-feet annually
55 - _____	_____	_____	_____	_____	_____	_____ acre-feet annually

2. Wells to be removed from certificate (list by ADWR registration number) and status of removed wells. If no wells are to be removed, write "None":

55 - _____	_____ not in use	_____ capped	_____ abandoned	_____ exempt	pump cap: _____ gpm
55 - _____	_____ not in use	_____ capped	_____ abandoned	_____ exempt	pump cap: _____ gpm
55 - _____	_____ not in use	_____ capped	_____ abandoned	_____ exempt	pump cap: _____ gpm

PART IV. GRANTOR AND GRANTEE OR CURRENT OWNER INFORMATION

SELLER/GRANTOR
OR (CURRENT OWNER)
(Print or Type)

BUYER/GRANTEE
OR OTHER OWNERS
OF NEW POINTS OF WITHDRAWAL
(Print or Type)

NAME Courtland Capital, LLC

NAME Courtland Land, LLC

ADDRESS 5333 N. 7th St., #305

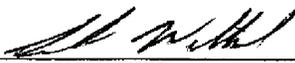
ADDRESS 5333 N. 7th St., #310

Phoenix, AZ 85014

Phoenix, AZ 85014

TELEPHONE (602) 265-3713

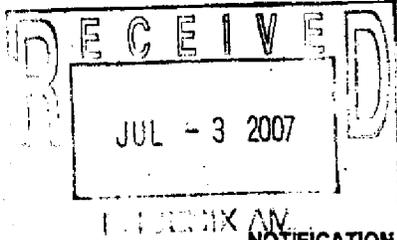
TELEPHONE ()


SIGNATURE

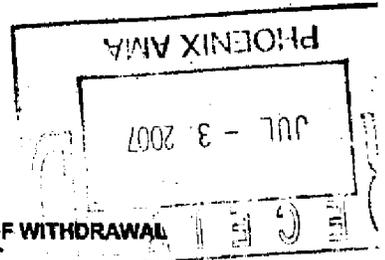
10/17/07
DATE


SIGNATURE

10/17/07
DATE



ARIZONA DEPARTMENT OF WATER RESOURCES
WATER MANAGEMENT DIVISION
P.O. BOX 458 PHOENIX, ARIZONA 85001-0458



NOTIFICATION OF CHANGE OF OWNERSHIP AND/OR CHANGE IN POINT OF WITHDRAWAL
FOR A TYPE 2 NON-IRRIGATION GRANDFATHERED RIGHT

INSTRUCTIONS AND REQUIRED ATTACHMENTS

- COMPLETE PART I AND PART IV OF THIS FORM. IF YOU ARE REPORTING AN OWNERSHIP CHANGE, PART II MUST BE COMPLETED ALSO. IF YOU ARE REQUESTING A CHANGE IN POINT OF WITHDRAWAL, PART III MUST BE COMPLETED ALSO. OBTAIN ALL REQUIRED SIGNATURES. MAIL THE COMPLETED FORM TO THE ABOVE ADDRESS OR HAND DELIVER IT TO ADWR AT 3550 NORTH CENTRAL AVENUE IN PHOENIX.
- ENCLOSE THE ORIGINAL CERTIFICATE OF GRANDFATHERED GROUNDWATER RIGHT. THIS DOCUMENT IS AVAILABLE FROM THE SELLER/GRANTOR OR CURRENT OWNER. IF THE ORIGINAL CERTIFICATE HAS BEEN LOST, A NOTARIZED STATEMENT TO THIS EFFECT MUST BE SUBMITTED.
- ENCLOSE A \$35.00 FEE TO COVER ISSUANCE OF A NEW CERTIFICATE. CHECKS MAY BE MADE PAYABLE TO 'ADWR'. THIS FEE IS BEING REQUESTED IN ACCORDANCE WITH A.A.C. R12-15-151(B)(5)(C).
- IF THE TYPE 2 RIGHT WILL BE LEASED IN FULL OR IN PART, A NOTIFICATION OF LEASE OF A TYPE 2 NON-IRRIGATION GRANDFATHERED RIGHT (FORM 58-800) MUST BE FILED ALSO.
- PURSUANT TO A.A.C. R12-15-401, IF YOU REQUEST A REVISED CERTIFICATE TO REFLECT NEW OR ADDITIONAL POINTS OF WITHDRAWAL, THE DEPARTMENT WILL ISSUE A WRITTEN NOTICE GRANTING OR DENYING YOUR APPLICATION WITHIN 180 DAYS AFTER RECEIPT OF THE APPLICATION. THE DEPARTMENT WILL FIRST DETERMINE WHETHER THE APPLICATION IS ADMINISTRATIVELY COMPLETE (ADMINISTRATIVE REVIEW PERIOD) AND THEN WHETHER THE APPLICATION MEETS THE SUBSTANTIVE CRITERIA ESTABLISHED BY STATUTE OR RULE (SUBSTANTIVE REVIEW PERIOD). THE TIME FRAME FOR ADMINISTRATIVE COMPLETENESS REVIEW IS 45 DAYS. THE TIME FRAME FOR SUBSTANTIVE REVIEW IS 135 DAYS. THE OVERALL TIME FRAME OF 180 DAYS ENCOMPASSES BOTH THE ADMINISTRATIVE REVIEW AND THE SUBSTANTIVE REVIEW TIME FRAMES. THESE TIME FRAMES MAY BE SUSPENDED IF THE DEPARTMENT DETERMINES THAT THE APPLICATION IS NOT COMPLETE AND REQUESTS ADDITIONAL INFORMATION IN WRITING.
- IF YOU NEED ASSISTANCE PLEASE CONTACT THE CONVEYANCE UNIT AT 602-771-8500 (PHOENIX AREA) OR 800-352-8488 (STATEWIDE). THE ADWR WEBSITE ADDRESS IS www.azwater.gov.

PART I. GENERAL INFORMATION

1. Certificate of Grandfathered Groundwater Right number: 58 - 117273 0002
2. Amount of right indicated on certificate: 26.0 acre-feet annually.
3. Active Management Area: Phoenix
4. Describe the intended non-irrigation use(s). (Note: in accordance with A.R.S. § 45-474(A), the owner of a Type 2 Non-Irrigation Grandfathered Right that is issued for purposes of mineral extraction or processing, or for purposes of electrical energy generation, may not convey the right for any other purpose.)
Construction water, dust control, service
area establishment

PART II. NOTIFICATION OF CHANGE OF OWNERSHIP

In accordance with A.R.S. § 45-482(B), the undersigned parties hereby notify the Arizona Department of Water Resources of the conveyance of this Type 2 Non-Irrigation Grandfathered Right:

1. Please specify the effective date of this ownership change 6/01/07 and the quantity of groundwater withdrawn between January 1 of that calendar year and the effective date: -0- acre-feet.

PART III. REQUEST FOR CHANGE IN POINT OF WITHDRAWAL

In accordance with A.R.S. § 45-471(C), the undersigned parties hereby request the Arizona Department of Water Resources to issue a revised certificate of Type 2 Non-irrigation Grandfathered Right to reflect different points of withdrawal or to remove all wells from this certificate:

1. Wells to be added to certificate (list by ADWR registration number; non-exempt wells only). If no new wells are to be added, write "None":

	Twp	Rng	Sec	Quarters	Owner Name	Proposed Type 2 Withdrawals
				160 40 10		
55 -	<u>see attached list</u>					acre-feet annually
55 -	_____					acre-feet annually
55 -	_____					acre-feet annually

2. Wells to be removed from certificate (list by ADWR registration number) and status of removed wells. If no wells are to be removed, write "None":

55 -	<u>616557</u>	<input checked="" type="checkbox"/>	not in use	<input type="checkbox"/>	capped	<input type="checkbox"/>	abandoned	<input type="checkbox"/>	exempt	pump cap:	_____	gpm
55 -	_____	<input type="checkbox"/>	not in use	<input type="checkbox"/>	capped	<input type="checkbox"/>	abandoned	<input type="checkbox"/>	exempt	pump cap:	_____	gpm
55 -	_____	<input type="checkbox"/>	not in use	<input type="checkbox"/>	capped	<input type="checkbox"/>	abandoned	<input type="checkbox"/>	exempt	pump cap:	_____	gpm

PART IV. GRANTOR AND GRANTEE OR CURRENT OWNER INFORMATION

SELLER/GRANTOR
OR CURRENT OWNER
(Print or Type)

BUYER/GRANTEE
OR OTHER OWNERS
OF NEW POINTS OF WITHDRAWAL
(Print or Type)

NAME Western Town, L.L.C.
c/o Jaren Corporation
ADDRESS 4455 E. Camelback #215A
Phoenix, AZ 85018

NAME Courtland Capital, L.L.C.
ADDRESS 5333 N. 7th Street #305
Phoenix, AZ 85014

TELEPHONE (602) 840-4800
[Signature] 06/26/2007

TELEPHONE (602) 265-3713
[Signature] 6/28/07

SIGNATURE _____ DATE _____
I, Jerome Hirsch, President of Hirsch General Corporation, in its capacity as Manager of Western Town, LLC

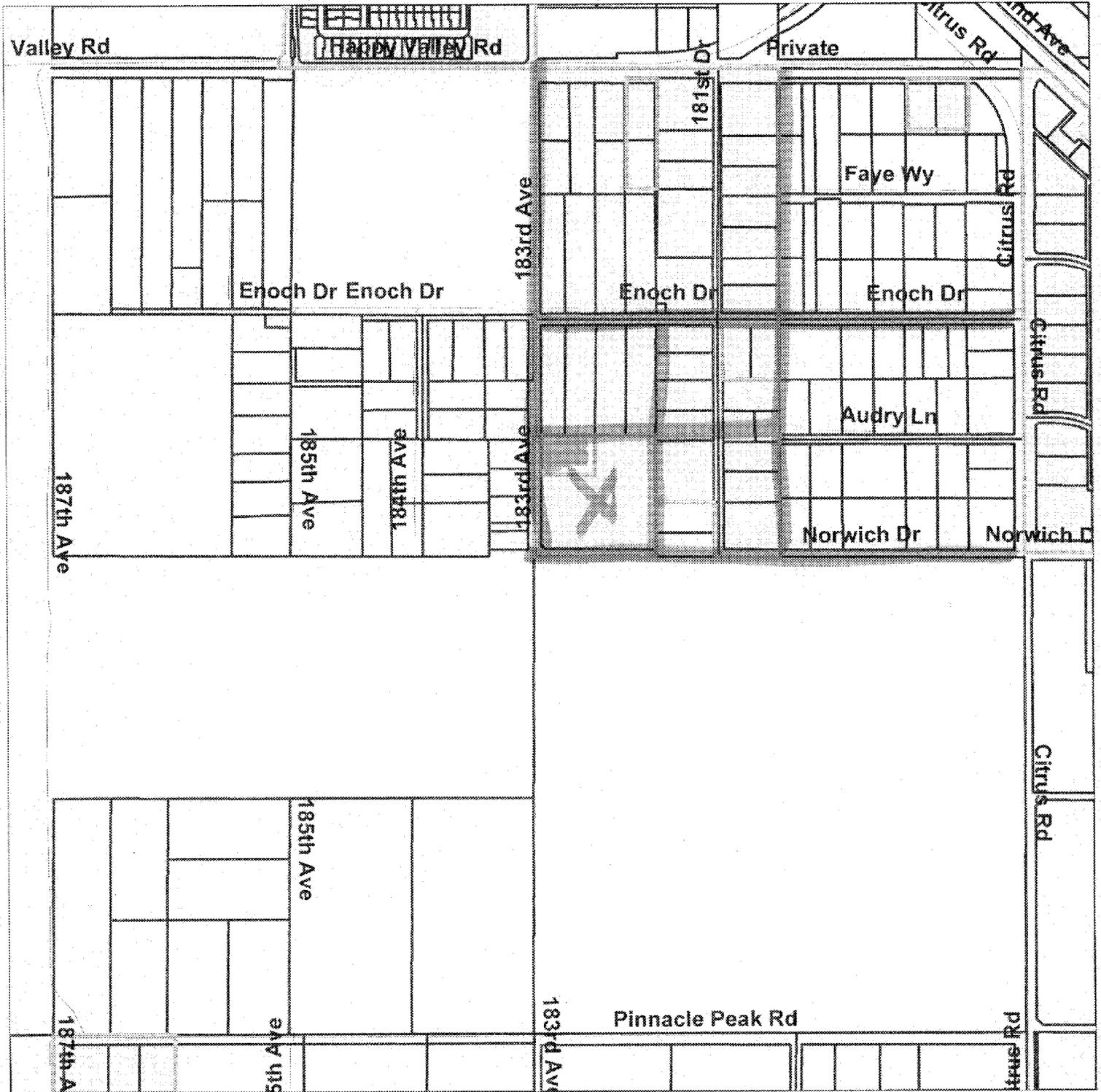
**Part III. Application For Revised Certificate To Reflect New Or Additional Points
Of Withdrawal**

				Quarters			Owner Name	Proposed Type 2 Withdrawals
	Twp	Rng	Sec	160	40	10		
55-211025	4N	2W	15	D	C	C	DVWDC, Inc	up to 26 acre-feet annually
55-215419	4N	2W	15	C	C	C	Austin Ranch LLC	up to 26 acre-feet annually
55-212090	4N	2W	10	A	C	C	Beardsley Water Co.	up to 26 acre-feet annually
→ 55-207788	4N	2W	10	A	C	C	Courtland Land LLC	up to 26 acre-feet annually
55-522643	4N	2W	22	B	C	D	Deer Valley Ind Ltd Part.	up to 26 acre-feet annually
55-577174	1N	2W	5	C	B	B	Courtland Homes, Inc.	up to 26 acre-feet annually

Total withdrawal will not exceed 26 acre-feet annually

4N 2W Section 10

ALL



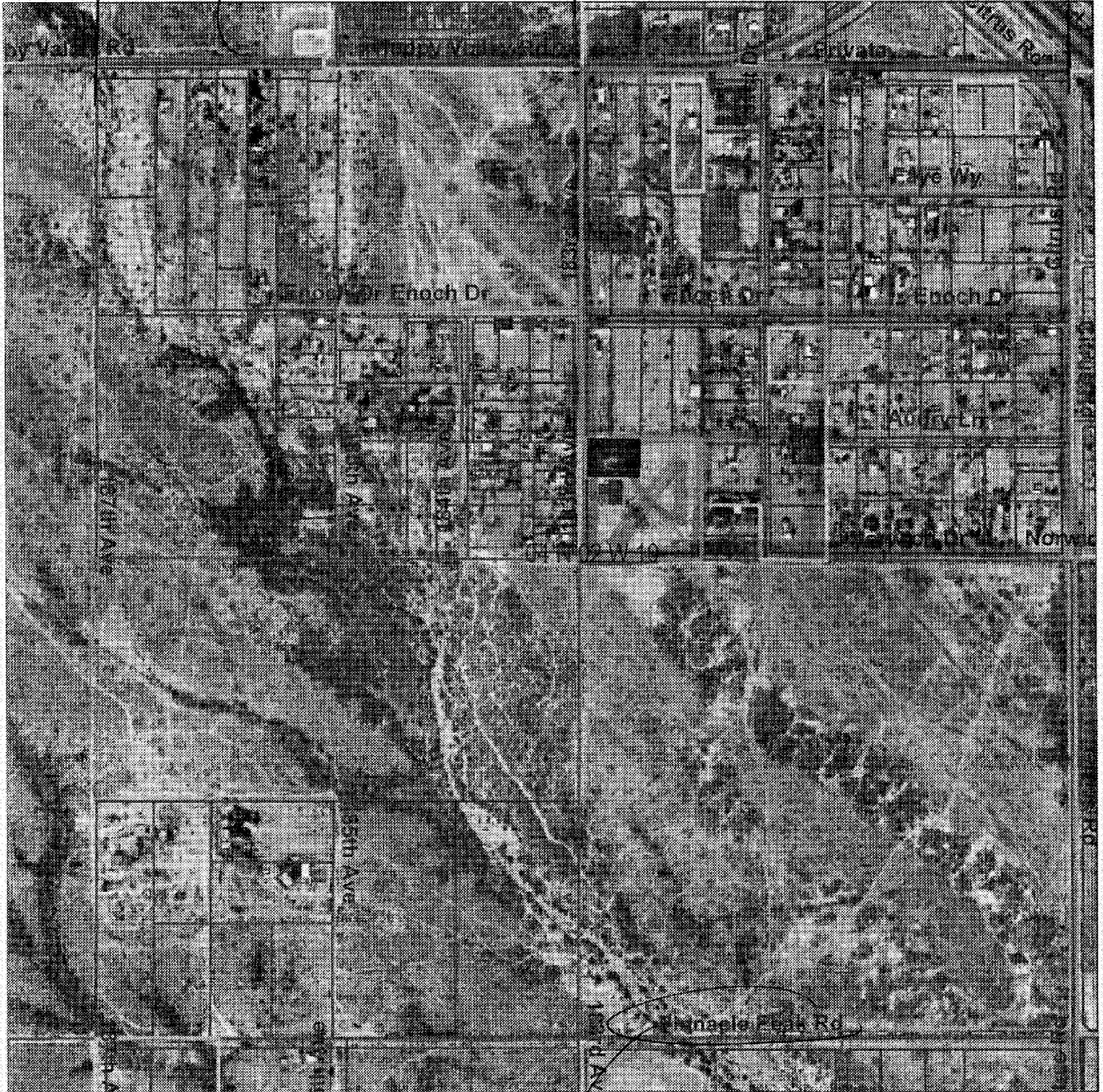
4N 2W Section 10

187th Ave

Happy valley Rd.

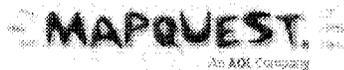
183rd Ave
(Acc)

Citrus Rd



Pinnacle Peak

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★ Buckeye, AZ US

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**PHOENIX AMA
CHECK DEPOSIT REQUEST**

Submitted By:	Danita Haywood	Date:	10/19/07
Right Owner or Applicant:	COURTLAND LAND L.L.C.		
GFR or Permit No(s):	58-117273.0002 & 58-112312.004		

CHECK INFORMATION

Check Number: 1403
Check Amount: 180.00
Name on Check: MICHAEL J & ALISA C LACEY
Address: 1345 E VINEDO. LN
City, ST, Zip: TEMPE, AZ 85284
Telephone:

Code	Type of Fee:	Amount:	Check No.
55	Application for Well Permit)	180.00 150.00 <i>DH</i>	1403
55	Well Permit Fee (\$30.00)	30.00 <i>DH</i>	1403
58	Type I Conversion Request Flex Account Transfers (\$100.00)		
58	Notification of Change of Ownership of an Irrigation Grandfathered Right (\$35.00)		
60	Application to Substitute Irrigation Acres		
59	Applications for Permit to Withdraw (\$50.00 or \$150.00)		
59	Withdrawal Permit Fee (\$50.00)		
59	Conveyance of Groundwater Withdrawal Application and/or Permit (\$35.00)		
Gen Fund	Legal Noticing Fees (Various)		
55	Notice of Intent for Non-Exempt Wells (\$150.00)		