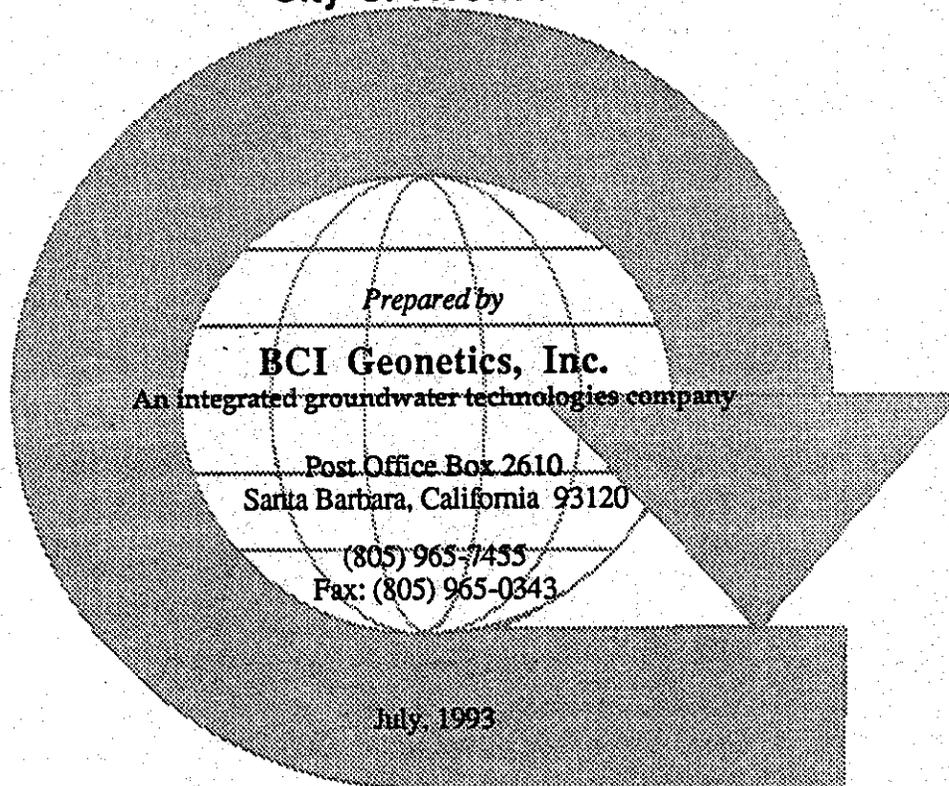


HYDROLOGIC REPORT

For Underground Storage and Recovery Permit Application

A Report for the
City of Avondale



Prepared by

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July, 1993

UNDERGROUND STORAGE AND RECOVERY PERMIT APPLICATION

HYDROLOGIC REPORT

FOR THE CITY OF AVONDALE'S STORAGE AND RECOVERY TECHNICAL PROGRAM

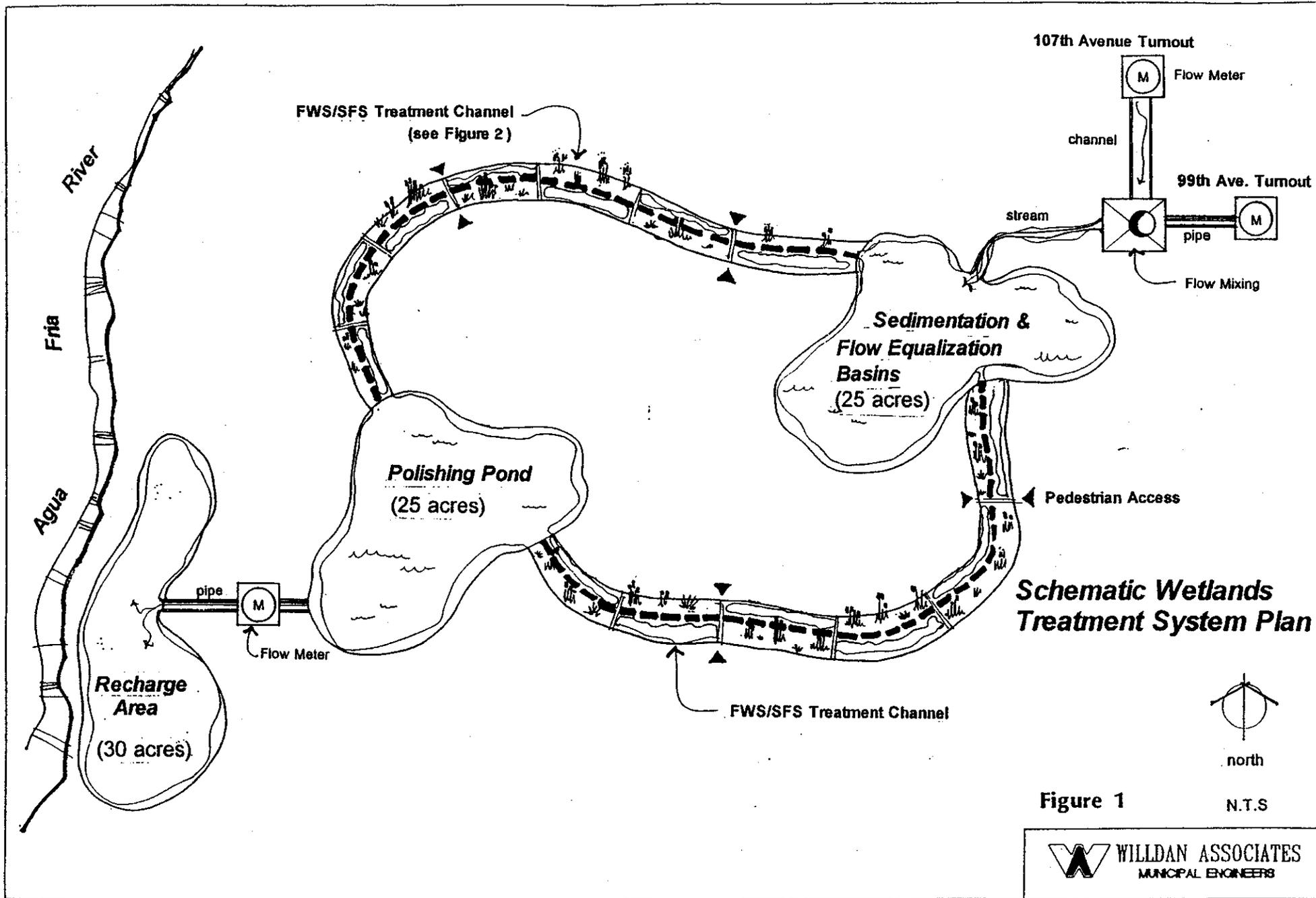
The enclosed documents constitute the Underground Storage and Recovery Permit Pilot Project Hydrologic Report. As indicated on the Application Form, the project will recharge and store 5,000 AFY using a series of shallow spreading basins. The water will be transferred from the Grand Canal to a series of holding ponds and constructed wetlands prior to being moved to the actual recharge basins.

This pilot project will be used as a testing program to determine what potential quantities of water could be effectively treated and recharged in a full-scale project. The pilot project will test the importance of such factors as water quality, ability of the aquifer to accept the water from the spreading ponds, the amount of land required for the project, and operating parameters for the wetlands treatment process.

A. SITE LAYOUT MAP

The project area consists of a series of basins each serving a distinct purpose in the treatment and recharge of the available water (shown schematically in figure 1). Initially, the Grand Canal-derived water will be transferred to a series of ponds which will first allow for precipitation of the suspended solids, and will also be constructed to act in a flow equalization function. The bottoms of these basins will be lined with impermeable materials to prevent infiltration of the water into the underlying sediments. The water will then pass through a pair of alternating surface and subsurface flow denitrification channels where specialized aquatic plants will be maintained for the sole purpose of water treatment. These channels will empty out into a large "polishing" wetlands basin. These wetlands features





will also be constructed with impermeable bottoms. The major constituent targeted for treatment by the wetlands is nitrate, which can range above MCL's during some periods of the year. Biological processes occurring in wetland environments are well-documented as an effective method for reducing nitrate concentrations. Following the wetlands treatment, the water will be transferred via a pipeline to the recharge basins. These recharge basins will be located at the southwestern edge of the project area, north of McDowell Road and along the eastern boundary of the Agua Fria River.

Previous land uses within the recharge area are insignificant because the area lies within the Agua Fria River flood plain which, until the dike was constructed, was prone to flooding. A Phase I Environmental Site Assessment was conducted on the 80-acre area planned for the recharge operations by Water Resources Associates (dated April 20, 1993); primary findings conclude: "WRA personnel observed no significant evidence to suggest contamination of the subject property by hazardous materials from present on-site activities." This report is included as Appendix A. Significant dumping of non-hazardous materials was noted (e.g., household rubbish, landscaping debris, old tires, discarded furniture), but no evidence of hazardous materials was found. There are currently agricultural and limited livestock operations to the east and northeast of the recharge site. Surface and subsurface sampling will be conducted prior to onset of recharge operations to determine the impacts of these land uses on the soil and groundwater of the area. Also included in this report is the property history and chain-of-title research conducted on the recharge parcels.

B. OPERATIONAL PLAN

1) FACILITY PLAN

The schematic illustration of the pilot project facility is included as Figure 1. Maintenance schedules for the recharge basins will be determined by testing during the initial periods of recharge. Recharge rates in these types of facilities typically decline over a given period of several weeks of water spreading. Following a noticeable decline in recharge rates, the basin will be allowed to dry-out which, as demonstrated in similar operations, will largely restore the recharge rates. Over extended periods of recharging, the basin bottom will become somewhat clogged with a combination of filtered-out, fine-grained sediments and algal material.



When this layer becomes significantly thick, either "discing" (simply churning up or "ripping" the bottom sediment) or scraping (to remove the sediment) and sand-washing will be done. It is anticipated that scraping will only be done when the results of discing are insufficient to restore the infiltration rates.

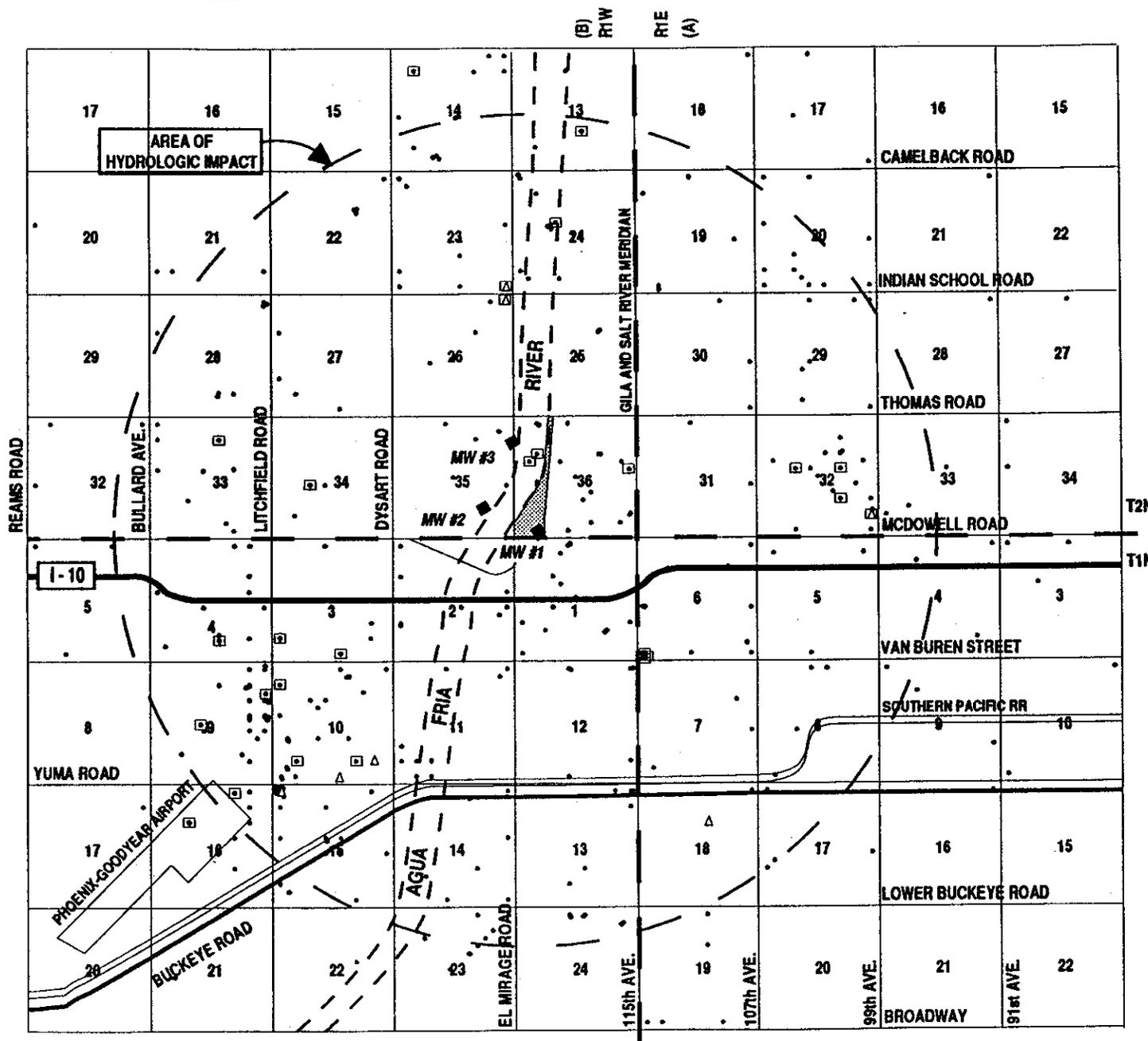
The source water will be treated in a constructed wetlands which will consist of two parallel denitrification streams which will discharge into a large "polishing" wetlands treatment basin. Both the channelized and basinal treatment facilities will be lined with impermeable liners and will contain native vegetation, including various species of bulrushes (i.e., *Scirpus acutus*, *S. macrocarpa*, *S. olneyi*, and/or *S. californicus*) and cattails (i.e., *Typha latifolia*, *T. domingensis*), which are documented to be highly efficient in removing nitrate-N. Both influent and effluent nitrate-N concentrations will be monitored by on-line batch nitrate analyzers. The influent nitrate analyzer will be located upstream of the sedimentation basins. This would permit anticipation of shock loading to the anaerobic denitrification system and provide allowances for adjusting system operation to preclude excessive effluent nitrate concentrations. Separate on-line batch analyzers would be used to sample the effluent prior to discharge into the polishing basin. This will help determine operating parameters of the anaerobic denitrification system.

Water quantity measuring instrumentation will consist of propeller flow meters. One flow meter would be located at a point between the canal turnout and the sedimentation basins to monitor the influent flows to the treatment system. The meter would be equipped with both local flow indication and totalized flow, and would also transmit flow information to a computer control system. Flow metering from the polishing basin would be by a pipe-mounted propeller flow meter located in the flow stream discharging from the polishing pond. By comparing influent and effluent flows, both the seasonal effects of evaporation and the integrity of the impermeable membrane system will be determined.

2) MONITORING PLAN

At least three wells will be used to monitor the changes in water table elevation and water quality throughout the recharge program. The proposed well locations are shown on Figure 2. The wells will be specially constructed for both monitoring water levels and acquiring water quality samples. Well #1 is located up-gradient in the regional groundwater table. Wells #2 & #3 will be located in





LEGEND

NORTH

0 1 2
SCALE (miles)

RECHARGE AREA

WELL LOCATIONS

CITY OF AVONDALE WELL LOCATIONS

WELL LOG AVAILABLE

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Figure 2. Map showing location of wells within area of hydrologic impact for the 2-year, 5,000 AFY pilot project. Proposed locations for three monitoring wells shown with solid diamonds. No extractions beyond current amounts are included in calculation of AOH radius.

two down-gradient positions. All three wells will be monitored to determine both water quality changes and the rate and magnitude of water level build-up.

Initially, City of Avondale personnel will measure water levels in the monitoring wells twice a week. Following stabilization of the groundwater mound, measurements will be taken on a weekly basis. These water level measurements will be used to calibrate the groundwater mound model and thus help predict water levels at various distances from the recharge site as well as projected water levels for greater recharge rates and time periods. These data will be used to determine more accurately the regional effects of a full-scale recharge project.

Water samples will be taken monthly from these wells for comprehensive water quality testing, including general mineral and physical constituents.

3) RECOVERY WELLS

No additional recovery wells are planned for the pilot project. Existing Avondale municipal wells will continue to be used as the primary extraction wells for City use. Increased pumpage is not expected until significant growth and associated water demand increases occur.

C. HYDROLOGIC CONDITIONS

1) WELL INVENTORY

Table 1 presents the well inventory for all documented wells within the Area of Hydrologic Impact (AOHI), calculated to be a circle 18,000 ft in diameter, centered on the spreading basins. The locations of these documented wells are shown on Figure 2. There are no known wells within the actual project boundary.

2) WELL LOGS

Twenty-seven well logs were obtained from the DWR in the immediate area of the recharge site (see Appendix B); these wells are shown in Figure 2 with an open



square symbol. Lithology information from these wells was used to determine both the recharge potential of the area and aquifer characteristics for the recharge mounding model. This information was correlated with data in the 1992 ADWR report "Phoenix-Goodyear Airport Groundwater Flow and Transport Model" ("PGA report"), by Greg Bushner.

3) AMBIENT GROUNDWATER QUALITY

Attached as Appendix C are recent water quality reports for the City of Avondale wells, which are located on all sides of the proposed recharge site (see Figure 2 for well locations, shown with a triangle).

4) MOUNDING ANALYSIS

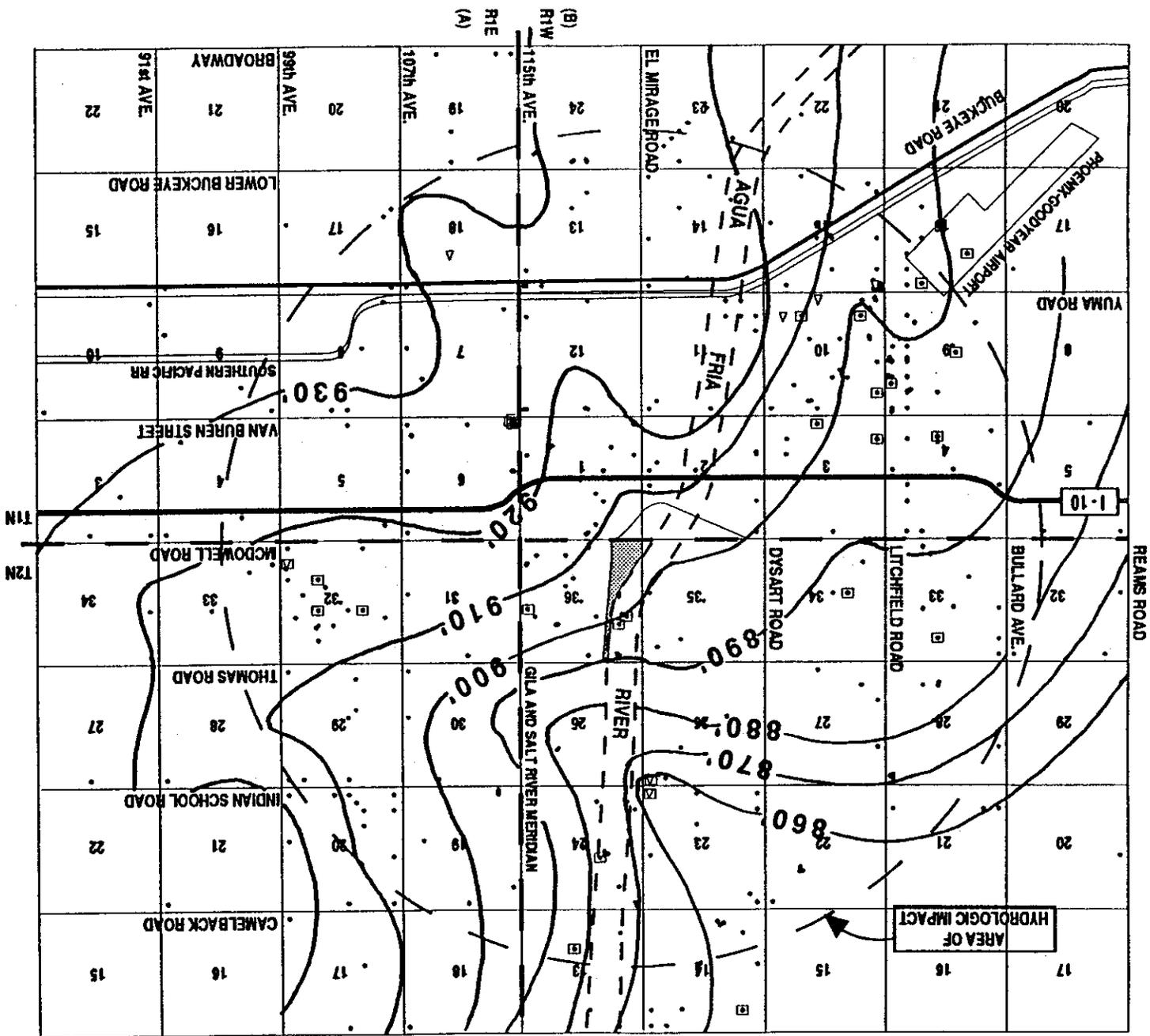
The water table contour map for the area is shown on Figure 3. The input data for this map are from the November, 1991 water level survey conducted by DWR in this area (obtained from Andy Kurtz, DWR). Water level data used to construct the map are shown in Table 2. Within the map area, several of the data points do not fit with the surrounding measured water levels and are considered to be erroneous -- either because of an incorrect reading or because of non-static water table conditions (i.e., the water level in the well was not fully recovered following pumping).

Hydraulic conductivity and storativity values for the A, B and C sub-units of the Upper Alluvial Unit, determined from extensive aquifer testing and documented in the PGA report, were used for the project area. Thicknesses of the individual sub-units were determined from local well logs and correlation with cross-section B-B' of the 1992 PGA report. Calculation of aquifer characteristics (see Table 3) was determined by summing the products of the sub-unit's percentage of total thickness and the respective aquifer parameter (i.e., permeability, specific yield, or transmissivity).

The mounding analysis for the recharge program calculates expected rise of groundwater levels as a result of recharge using both the Hantush method (for the area beneath and directly adjacent to the recharge site) and the Theis method (for greater distances from the recharge site). In the Hantush model, two forms of the equation are necessary depending on whether the distance to the observation point



Figure 3. Water level contour map for area surrounding proposed recharge site. Contour interval is 10 ft; datum is mean sea level. Actual water levels used are shown in Table 2.

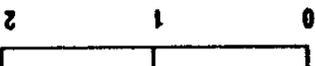


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- RECHARGE AREA
- WELL LOCATIONS
- CITY OF AVONDALE
- WELL LOCATIONS
- WELL LOG AVAILABLE

SCALE (miles)



NORTH



LEGEND

("r") is greater or less than the radius of the total area of spreading basins ("R"). At 2.5 times the radius of the spreading basin, the source basin can be considered to act as a "well" and therefore the Theis transient radial flow equation applies. The results of the mounding analysis are shown in graphical form in Figure 4 and in map view on Figure 5. The actual values used in the plots are shown on Figure 6.

Based on various tests done in these types of sediments, a long-term infiltration rate of 0.5 ft/day (which includes periods of drying out and maintenance operations) was chosen as a conservative value for the purpose of the modeling. Diagnostic infiltration tests will be conducted in the next several weeks, although long-term infiltration rates will not be known until a significant period of actual basin spreading has been conducted.

Finally, Figure 7 illustrates the theoretical response of the regional water table elevations to the recharge mound. The resultant water level contours are not likely to represent the actual water levels during the project; significant pumping by City of Avondale wells located to the north of the recharge site will likely deepen the water levels and thereby draw a disproportionate amount of the recharge water in that direction.



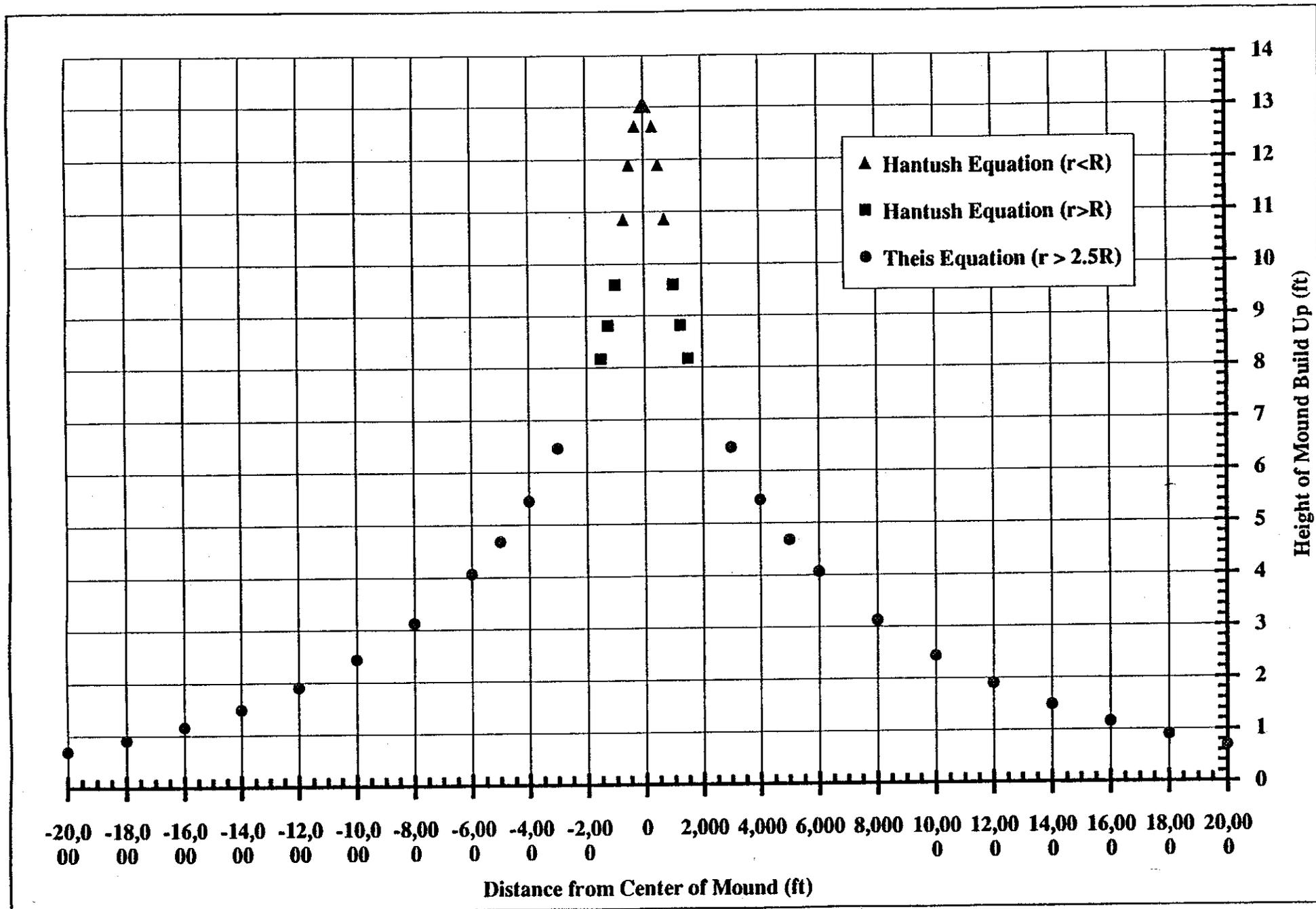
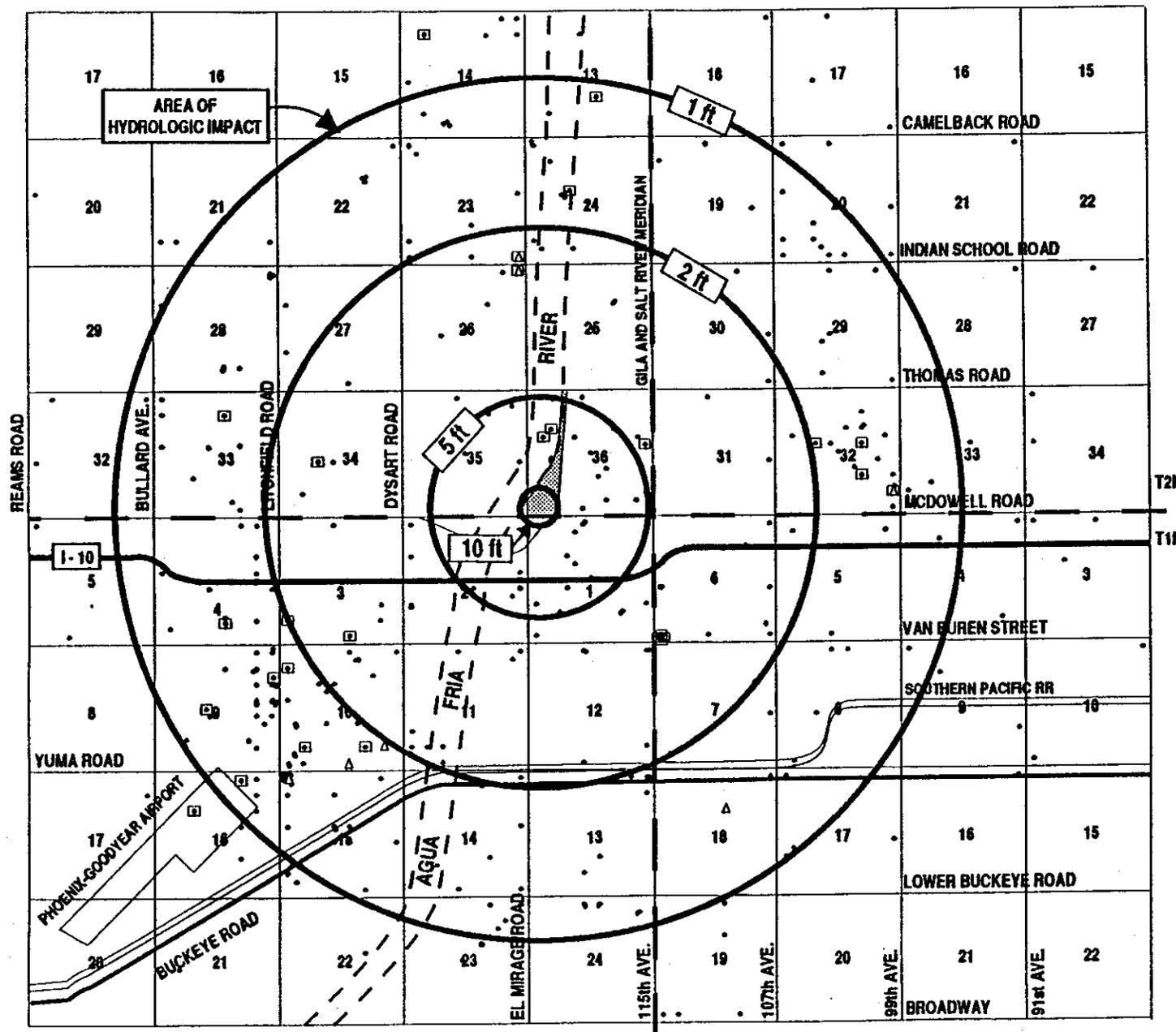


Figure 4. Illustration of height of groundwater recharge mound during 2-year, pilot scale project. No recovery during the entire period is assumed in the calculation. "R" is diameter of recharge basin area; "r" is distance to observation point.



LEGEND

NORTH

0 1 2
SCALE (miles)

RECHARGE AREA

WELL LOCATIONS

CITY OF AVONDALE WELL LOCATIONS

WELL LOG AVAILABLE

(B) RTW R1E (A)

Figure 5. Map showing 1, 2, 5 and 10 ft contours of recharge mound build-up calculated for the 2-year, 5,000 AFY pilot project. No extractions beyond current amounts are included in model.

Distance	Hantush ($r < R$)	Hantush ($r > R$)	Theis
r (ft)	BUILD-UP (ft)	BUILD-UP (ft)	BUILD-UP (ft)
1	13.0		
25	13.0		
50	13.0		
100	13.0		
300	12.6		
500	11.9		
700	10.9		
1,000		9.6	
1,250		8.8	
1,500		8.2	
3,000			6.5
4,000			5.5
5,000			4.7
6,000			4.1
8,000			3.1
10,000			2.4
12,000			1.9
14,000			1.5
16,000			1.2
18,000			0.9
20,000			0.7
25,000			0.4
30,000			0.2
35,000			0.1
40,000			0.05

"R" = Radius of total area of recharge basins.

"r" = Distance from center of recharge basins to observation point.

Figure 6. Spreadsheet showing calculated values and equations used in mound model. Values assume aquifer parameters shown in Table 3 for 2 years of recharge at 5,000 AFY. Two forms of the Hantush equation are used to represent conditions directly beneath the recharge basins and also farther away. The Theis equation is used for distances greater than $2.5 \cdot R$.

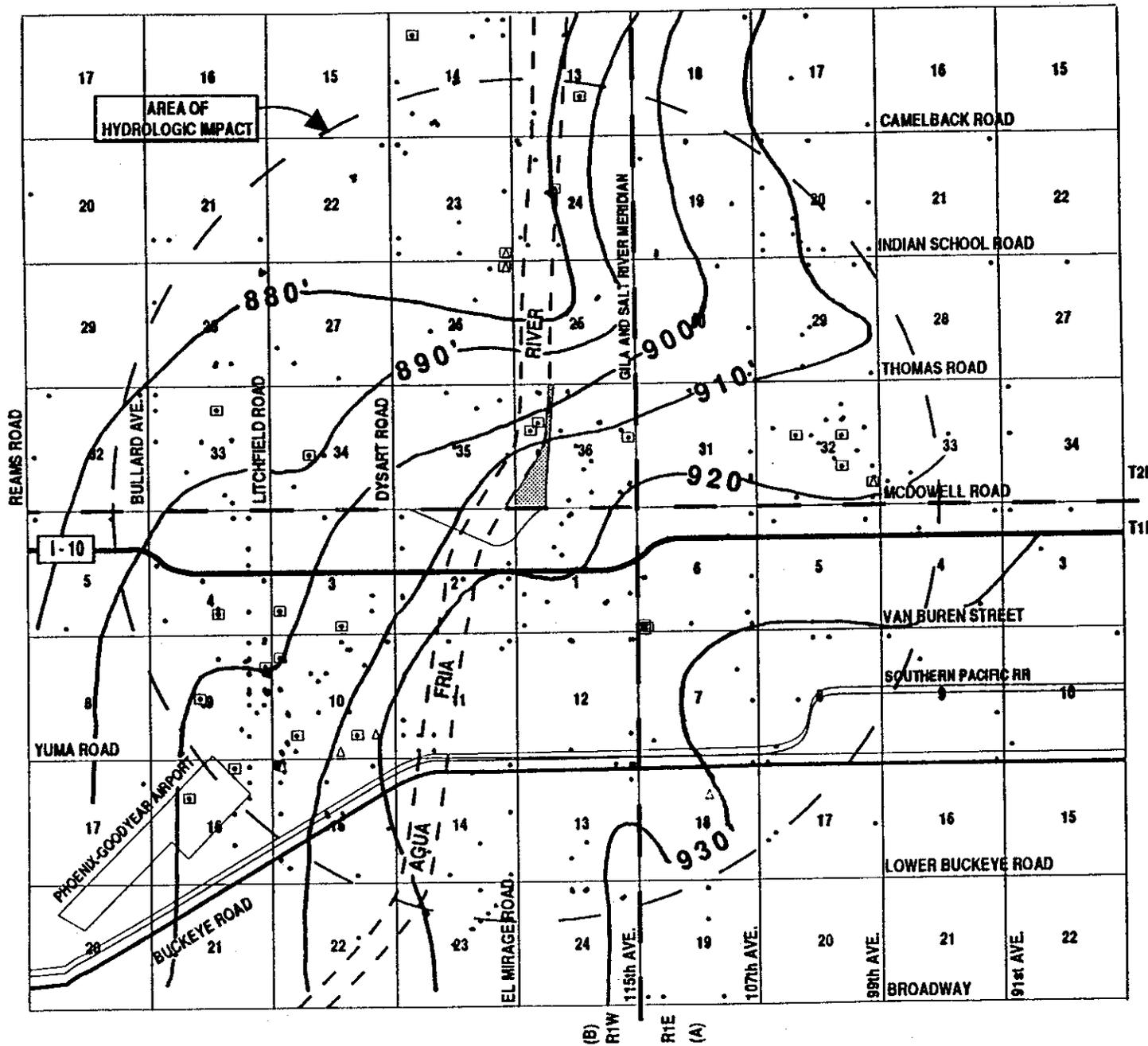


Figure 7. Water level contour map showing result of superimposing mound contours on water level contours for area surrounding proposed recharge site. Contour interval is 10 ft; datum is mean sea level.

LEGEND

NORTH

SCALE (miles)

RECHARGE AREA

WELL LOCATIONS

CITY OF AVONDALE WELL LOCATIONS

WELL LOG AVAILABLE

BCI Geonetics, Inc.

INVENTORY OF WELLS WITHIN AREA OF HYDROLOGIC INFLUENCE

NOTES	QUAD	TOWN.	RANGE	SECTION	QUARTER			WATER USE	WELL USE	TOTAL DEPTH OF WELL (feet)	CONSTRUCTION DETAILS		
					1	2	3				CASING DIAMETER (in)	DEPTH CASED (ft)	PERFORATED INTERVALS (ft)
	A	1	1	4	A	A	A	A	W	400	20		
	A	1	1	4	B	A	C	A	W	565	20	548	
	A	1	1	4	C	C	D	D	W		8		
	A	1	1	4	D	A	C	N	A	100			
	A	1	1	4	D	D	B	E	W	700	20		
	A	1	1	5	A	A		A	W	560	20	560	
	A	1	1	5	B	B		D	W	250	8	250	
	A	1	1	5	C	D	D	D	W	352	6	352	
	A	1	1	6	A			A	W	600	24	150	
	A	1	1	6	A	A	A	A	W	600	24	160	
	A	1	1	6	B			F	W	400	8	394	
	A	1	1	6	C	B	B	BA	W	1230	20	1230	
	A	1	1	6	C	B	B	D	W	397	8	389	
	A	1	1	6	C	C	C	DF	W				
	A	1	1	6	C	C	C	M	Q	110	6	110	80-110'
	A	1	1	6	C	C	C	M	Q	110	6	110	80-110'
	A	1	1	6	C	C	C	M	Q	110	6	110	70-110'
	A	1	1	6	C	C	C	M	Q	100	4	100	60-100'
	A	1	1	6	C	D	D	D	W				
	A	1	1	6	D	A	A	A	W	430	20	430	
	A	1	1	6	D	D	D	DJ	W		8		
	A	1	1	7	A	D	B	DJ	W		8		
	A	1	1	7	C	C		DF	W		8		
	A	1	1	7	D	A	A	D	W	300	6	15	
	A	1	1	8	A	B	B	D	W	365	8	365	
	A	1	1	8	B	A	A	AJD	W	367	20	365	
	A	1	1	8	C	A	B	A	W	435	20	435	
	A	1	1	8	C	C		D	W	112	21		
	A	1	1	17				D	W	385	4		
	A	1	1	17	B	B	B	D	W	197	6	200	
	A	1	1	17	B	B	B	A	W	452	20	411	
	A	1	1	17	C	B		A	W				
	A	1	1	17	C	B	C	D	W		6	213	
	A	1	1	17	D	A	A	A	W	157			
	A	1	1	18	A	A	A	A	W	320	0		
City Well #3	A	1	1	18	A	C	B	E	W	538	12	538	
	A	2	1	19	B	B	C	JA	W		16	390	
	A	2	1	19	C	C	D	I	W				
	A	2	1	19	C	C	D	A	W		8		
	A	2	1	19	D	A	B	A	W				
	A	2	1	19	B	A	A	N	WU	193	20		
	A	2	1	20	B	A	A	DJ	W				
	A	2	1	20	B	B	B	A	W	800	24	800	
	A	2	1	20	C	C	B	A	W	714	24	714	
	A	2	1	20	C	C	C	A	W	696	24	696	
	A	2	1	20	C	D		A	D	700	8	700	
	A	2	1	20	C	D	B	E	W	696	20	696	
	A	2	1	20	C	D	D	G	W	700	8	700	
	A	2	1	20	D	A	A	AB	W	500	20	500	
	A	2	1	20	D	D	D	A	W	560	20	560	
	A	2	1	29	A	A	A	D	W	187			
	A	2	1	29	A	A	B	D	W	454	6	454	
	A	2	1	29	B	A	A	A	W	500	20	350	
	A	2	1	29	C	A		D	W	351	8	351	
	A	2	1	29	C	A	A	A	W	800	20	800	
	A	2	1	29	C	D		D	W	375	6		
	A	2	1	29	D	D		AB	W	600	20	600	
	A	2	1	30	A	B	A	N	B	295	8	295	
Abd 11/28/89	A	2	1	30	A	B	B	A	WU	375	20	250	
	A	2	1	30	D	A	A	A	W	1350	20	1272	
	A	2	1	30	D	D	D	AB	W	630	20	630	
	A	2	1	31	B	A	A	D	W	350	6	350	
	A	2	1	31	D	A	A	A	W	600	20	600	
	A	2	1	32				D	W	85	6	85	
	A	2	1	32	A	B	D	A	W	685	12	390	

Table 1.

INVENTORY OF WELLS WITHIN AREA OF HYDROLOGIC INFLUENCE

NOTES	QUAD	TOWN.	RANGE	SECTION	QUARTER			WATER USE	WELL USE	TOTAL DEPTH OF WELL (feet)	CONSTRUCTION DETAILS		
					1	2	3				CASING DIAMETER (in)	DEPTH CASED (ft)	PERFORATED INTERVALS (ft)
	A	2	1	32	A	C	A	D	W	425	8	425	
	A	2	1	32	A	C	A	JD	W	422	8	422	
	A	2	1	32	A	C	B	DJ	W	520	8	480	
	A	2	1	32	A	C	D	D	W	397	10	397	100'-397'
	A	2	1	32	A	D		A	W	500			
	A	2	1	32	B	C		D	W	560	8	560	
	A	2	1	32	B	D	C	D	W	350	8		
	A	2	1	32	B	D	D	JD	W	305	8	305	
	A	2	1	32	C	D	C	D	W	585	6	540	
	A	2	1	32	D	A	B	A	W	775	20	775	
	A	2	1	32	D	A	D	D	W	452	8	200	
	A	2	1	32	D	B		D	W				
	A	2	1	32	D	B	D	D	W	425	8	421	
City Well	A	2	1	32	D	D	A	DE	W				
Replcd by City Well #8	A	2	1	32	D	D	A	ED	WU	500	16	500	
City Well #8	A	2	1	32	D	D	A	D	W	660	16	660	360'-640'
	A	2	1	32	D	D	D	D	W	283	6	257	
	A	2	1	33	C			D	W				
	A	2	1	33	C	C	C	A	W	483	18	483	
	A	2	1	33	C	C	C	A	W	1725	20	900	
	A	2	1	33	C	D	D	A	W	800	20	800	
	B	1	1	1				D	W	400			
	B	1	1	1	B	A							
	B	1	1	1	B	A	A	A	W	200	20	200	
	B	1	1	1	B	A	A	D	W	312	8		
	B	1	1	1	B	D		JD	W				
	B	1	1	1	B	D	B	D	W		9	339	
	B	1	1	1	C			A	W				
	B	1	1	1	C	A	B	AD	W		8	386	
	B	1	1	1	C	B	C	A	W		16	270	
	B	1	1	1	C	C	C	D	W		6	400	
	B	1	1	1	D			D	W				
	B	1	1	1	D			D	W				
	B	1	1	1	D	A	D	D	W	365	8	240	
	B	1	1	2	A	D	D	D	W	200	6	200	
	B	1	1	2	B	B	B	A	W	800	20	650	
	B	1	1	2	B	C	B	A	W	400	20	400	
	B	1	1	2	C	B	C	A	W		8		
	B	1	1	2	C	B	C	A	W		12		
	B	1	1	2	D	A		JDA	W	150	6		
	B	1	1	2	D	A	A	A	W				
	B	1	1	2	D	B	B	A	W	400	20	400	
	B	1	1	3	B	A	A	A	W	714	20		
	B	1	1	3	C	C	B	M	Q	145	6	145	
	B	1	1	3	D	C	C	N	N	260	6	260	173'-260'
	B	1	1	3	D	D	B	E	W	502	16	502	
	B	1	1	4	A	A	B	A	W	702	20		
	B	1	1	4	A	B	A	JD	W	603	12	603	
	B	1	1	4	A	D	B	M	O	160	8	160	
	B	1	1	4	A	D	C	N	G				
	B	1	1	4	B	C		A	W				
	B	1	1	4	C	A	A	A	W				
	B	1	1	4	C	C		D	W				
	B	1	1	4	D	A	A	A	W				
	B	1	1	4	D	C	B	M	O	160	6	160	300'-350'
	B	1	1	4	D	C	B	M	O	355	6	185	
	B	1	1	4	D	D	B	M	O	176	6	20	
	B	1	1	9	A	A	A	M	O	136	7	21	
	B	1	1	9	A	A	A	M	Q	280	10	275	
	B	1	1	9	A	A	C	M	O	130	18	130	
	B	1	1	9	A	A	C	M	O	130	18	130	
	B	1	1	9	A	B	C	M	O	160	6	20	
	B	1	1	9	A	D	A	M	O	160	18	160	
	B	1	1	9	A	D	A	M	O	360	6	20	294.5'-344.5'

Table 1.

INVENTORY OF WELLS WITHIN AREA OF HYDROLOGIC INFLUENCE

NOTES	QUAD	TOWN	RANGE	SECTION	QUARTER			WATER USE	WELL USE	TOTAL DEPTH OF WELL (feet)	CONSTRUCTION DETAILS		
					1	2	3				CASING DIAMETER (in)	DEPTH CASED (ft)	PERFORATED INTERVALS (ft)
	B	1	1	9	A	D	A	M	O	135	7	20	
	B	1	1	9	A	D	B	F	U	620	8	607	
	B	1	1	9	A	D	C	T	P	84	1	84	
	B	1	1	9	A	D	C	T	P	84	1	84	
	B	1	1	9	A	D	D	T	P	90	4	84	
	B	1	1	9	A	D	D	T	P	84	1	84	
	B	1	1	9	A	D	D	T	P	84	1	84	
	B	1	1	9	A	D	D	T	P	278	8	278	
	B	1	1	9	A	D	D	T	P	215	2	215	
	B	1	1	9	C			N	O				
	B	1	1	9	C	A	A	M	O	350	10	302	
	B	1	1	9	C	A	A	M	O	450	10	200	
	B	1	1	9	D			N	G				
	B	1	1	9	D	A		N	G				
	B	1	1	9	D	A	A	M	O	135	7	20	
	B	1	1	9	D	A	B	M	O	107	4	105	
	B	1	1	9	D	D	B			501	16	501	
	B	1	1	10	A			F	W				
	B	1	1	10	A	A	A	A	W	900	20	900	
	B	1	1	10	A	B		A	W				
	B	1	1	10	A	B		D	W				
	B	1	1	10	A	B	B	D	W	335	8	335	
	B	1	1	10	B	B	C	M	Q	282	10	280	260'-280'
	B	1	1	10	B	C	C	E	W	610	12	600	
	B	1	1	10	B	D		N	G				
	B	1	1	10	B	D	A	A	W	300	16	300	
	B	1	1	10	B	D	B	E	W	385	6	375	
	B	1	1	10	C	A		N	G				
	B	1	1	10	C	B		DA	W				
	B	1	1	10	C	B		A	W		5		
	B	1	1	10	C	B		D	W	281	5	281	
	B	1	1	10	C	C		DA	W	386	8	386	
	B	1	1	10	C	C		D	W	386	8	386	
	B	1	1	10	C	C	A	N	N	260	6	260	173'-260'
	B	1	1	10	C	C	C	M	O				
	B	1	1	10	C	C	C	N	G				
	B	1	1	10	C	C	D	E	W	192	6	160	
	B	1	1	10	D	B		D	W	205	6	200	
	B	1	1	10	D	C	A	N	N	260	6	260	173'-260'
City Well #2	B	1	1	10	D	C	C	ED	W	460	20	500	
City Well #1	B	1	1	10	D	D	B	ED	W	456	16	500	
	B	1	1	11	A	A	A	A	W	165	20	165	
	B	1	1	11	A	A	A	D	W	500	6	500	
	B	1	1	11	B	A	A	A	W	460	14	246	
	B	1	1	11	C	B	C	ADJ	W	114	6	114	
	B	1	1	11	C	C	A	M	O				
	B	1	1	11	C	C	B	D	W				
	B	1	1	11	C	C	D	M	O				
	B	1	1	11	C	D	B	M	O				
	B	1	1	11	C	D	C	M	O				
	B	1	1	12	A	A	A	A	W				
	B	1	1	12	A	A	A	D	W	226			
	B	1	1	12	B	A	A	A	W	800	20	600	
	B	1	1	12	B	A	A	A	W	600	20	600	
	B	1	1	12	C	D	D	D	W	400	6	400	
	B	1	1	12	D	D	A	D	W	204			
	B	1	1	13	A	A	A	D	W	299	8		
	B	1	1	13	A	A	A	D	W	410	8	410	
	B	1	1	13	A	A	B	A	W				
	B	1	1	13	A	A	D	D	W		6		
	B	1	1	13	C	D	A	D	W	391	8	363	
	B	1	1	13	D	B	C	AB	W	200	20	200	
	B	1	1	14	A	A	A	D	W	126	6	126	
	B	1	1	14	A	B		D	W	185	8	185	
	B	1	1	14	A	D	D	A	W				

Table 1.

INVENTORY OF WELLS WITHIN AREA OF HYDROLOGIC INFLUENCE

NOTES	QUAD	TOWN	RANGE	SECTION	QUARTER			WATER USE	WELL USE	TOTAL DEPTH OF WELL (feet)	CONSTRUCTION DETAILS		
					1	2	3				CASING DIAMETER (in)	DEPTH CASED (ft)	PERFORATED INTERVALS (ft)
	B	1	1	14	C			D	W				
	B	1	1	14	C	D	D	A	W	135	18	135	
	B	1	1	14	D	B	D	F	W	378	8	363	
City Well	B	1	1	14	D	D	D	D	W	363	8	363	
	B	1	1	15	A	A	B	B	A	150			
	B	1	1	15	A	C	C	N	M				
	B	1	1	15	B	A	D	A	W	414	16	400	
	B	1	1	15	B	B	B	M	Q	75	4	45	
	B	1	1	15	B	B	B	D	W	333	10	333	
	B	1	1	15	B	B	B	M	Q	75	4	45	
City Well #4	B	1	1	15	B	B	B	ED	W	400	14	332	
	B	1	1	15	B	B	B	M	Q				
	B	1	1	15	B	B	B	M	Q				
	B	1	1	15	B	B	B	M	Q				
	B	1	1	15	B	B	B	N	O				
	B	1	1	15	B	B	B	M	Q				
	B	1	1	15	B	B	C	M	O	100	4	20	
	B	1	1	15	B	C	C	M	O	80	4	20	
	B	1	1	15	B	D	D	N	M	105	4	100	
	B	1	1	15	B	D	D	M	O	70	30	70	
	B	1	1	15	C	A	A	M	O				
	B	1	1	15	C	C		D	W				
	B	1	1	15	C	C	B	A	W	203	20	203	
	B	1	1	15	D	A	A	D	W	276		276	
	B	1	1	15	D	B	B	N	N	260	6	20	
	B	1	1	15	D	B	B	M	O				
City Well	B	1	1	15	D	C	D	ED	W	550	16	500	
	B	1	1	16	A	B	A			402	10	395	355'-395'
	B	1	1	16	A	C	D			100	4	20	
	B	1	1	16	B	D	B			235	10	225	175'-225'
	B	1	1	23				D	W	386	6	325	
	B	1	1	23	A			AJ	W		6	120	
	B	1	1	23	A	A	A	DJ	W	390	8		
	B	1	1	23	A	A	C	D	W	380	6	379	
	B	1	1	23	A	B	A	D	W	379	6	373	
	B	1	1	23	A	C		D	W	377	6	370	
	B	1	1	23	A	C		DA	W				
	B	1	1	23	A	C	A	D	W	174	8	171	
Abd 2/3/92	B	1	1	23	A	D	D	E	WU	335	12		
	B	1	1	23	B			LI	WD				
	B	1	1	24	A	A		DJ	W	126	6	126	
	B	1	1	24	A	A		D	W	85	6		
	B	1	1	24	A	B	B	A	W	280	20	280	
	B	1	1	24	A	B	B	D	W	120	6	120	
	B	1	1	24	B	A	A	A	W	450	16		
	B	1	1	24	B	A	A	DJ	W	220	6	220	
	B	2	1	13	B	A	D	A	W	1002	16	1002	
	B	2	1	13	C	C	A	A	W	414	16	414	
	B	2	1	13	D	B	C	I	W	406	8	406	220'-260', 340'-385'
	B	2	1	14	A	A	D	A	W	1000	16		
	B	2	1	14	A	B	D	A	W	753	20	753	
	B	2	1	14	B	B	D	DAJ	W	400	6	401	300'-380'
	B	2	1	14	C	C	A	D	W	500	8	450	
	B	2	1	14	C	D		D	W	400	10	400	
	B	2	1	14	C	D		ADJ	W	435	8	405	
	B	2	1	14	C	D		DA	W	250	6	250	
	B	2	1	14	D	B	B	N	U	48	16		
	B	2	1	14	D	B	B	A	W	720	20		
	B	2	1	21	C	C	B	A	W	1990	20	1250	
	B	2	1	22	A	C	B	M	Q	50			
	B	2	1	22	A	C	B	M	Q	60			
	B	2	1	22	A	C	B	M	Q	50			
	B	2	1	23	A	D	D	D	W				
	B	2	1	23	B	B		D	W				
	B	2	1	23	B	B	B	N	U	334	8		

Table 1.

INVENTORY OF WELLS WITHIN AREA OF HYDROLOGIC INFLUENCE

NOTES	QUAD	TOWN	RANGE	SECTION	QUARTER			WATER USE	WELL USE	TOTAL DEPTH OF WELL (feet)	CONSTRUCTION DETAILS		
					1	2	3				CASING DIAMETER (in)	DEPTH CASSED (ft)	PERFORATED INTERVALS (ft)
	B	2	1	23	C	C	B	N	U	714	12		
	B	2	1	23	C	C	C	N	U	200	10		
	B	2	1	23	D	B	B	D	W	850	16	850	
	B	2	1	23	D	B	C	D	W	685	20	685	
Abd 7/17/90	B	2	1	23	D	C	C	A	U	502	20		
Abd	B	2	1	23	D	C	C	E	W				
	B	2	1	23	D	C	C	EA	W	616	16	40	
City Well #7	B	2	1	23	D	D	D	E	W	530	18	520	200' of screen
	B	2	1	24				N	G				
	B	2	1	24	B	B	B	JD	W	420	6	400	
	B	2	1	24	B	B	B	JD	W	400	6	400	
	B	2	1	24	B	B	D	A	W	1200	20	910	
	B	2	1	24	B	D	C	F	W	435	8	415	298'-390'
	B	2	1	24	B	D	C	D	W	435	8	415	
	B	2	1	24	B	D	C	F	W				
	B	2	1	24	C	C		A	W	480	20		
	B	2	1	24	C	C	B	D	W	480	6	420	
	B	2	1	24	C	D		D	W	314	8	314	
	B	2	1	25				N	G				
	B	2	1	25	A	C	A	A	W	607	16	607	
	B	2	1	25	A	C	A	M	Q				
	B	2	1	26				DJ	W	600	6	600	
City Well #6	B	2	1	26	A	A	A	E	W	608	18	604	240' of screen
628740	B	2	1	26	A	A	B	D	W	200	6		
Duplicate of 628740	B	2	1	26	A	A	B	D	W	200	6		
	B	2	1	26	A	C	A	A	W	800	20	600	
Abd 4/29/91	B	2	1	26	B	B	D	D	WU	500	12	500	
	B	2	1	26	C	A	B	M	O	170	4	170	
	B	2	1	27	B	C	B	G	W				
	B	2	1	27	C	A	A	N	U	214	26		
	B	2	1	27	C	B	C	A	W	902	20		
	B	2	1	27	D	C	C	A	W	930	20		
	B	2	1	28	A	A	A	M	Q				
	B	2	1	28	A	A	A	M	Q				
	B	2	1	28	A	A	A	M	Q				
	B	2	1	28	B	C	B	D	WU	614	10	614	
	B	2	1	28	D	C	B	A	W	593	16		
	B	2	1	28	D	C	B	N	U	92	26		
	B	2	1	33	A	B	C	M	O	180	8	180	130'-180'
	B	2	1	33	A	C	D	M	Q	148	6	138	
	B	2	1	33	B	B	B	A	W	318	20		
	B	2	1	33	B	B	C	N	U				
	B	2	1	33	B	C	C	A	W	506	20		
	B	2	1	33	B	D	D	A	W	926	20		
	B	2	1	33	C	A	C	M	O	160	8	160	
	B	2	1	33	D	C		D	C				
	B	2	1	33	D	C	D	D	W	150	8	148	
	B	2	1	34	A	A	D	A	W	386	20		
	B	2	1	34	A	D	A	N	U				
	B	2	1	34	C	A	A	A	W	1014	20		
	B	2	1	34	C	A	B	M	O	160	8	160	110'-160'
	B	2	1	34	D	A	D	A	W	926	20		
	B	2	1	35				DI	W	600	8	600	
	B	2	1	35	A	A		DA	W				
	B	2	1	35	A	B	D	A	W	600	20	600	
	B	2	1	35	B	A	A	A	W				
	B	2	1	35	D	A	A	A	W	867	20	867	
	B	2	1	36				A	W				
	B	2	1	36	A	C	A	D	W	200	4	200	
	B	2	1	36	A	C	A	D	W	425	8	4	
	B	2	1	36	A	D		A	W	265	20	165	
	B	2	1	36	A	D	D	D	W	326	8	322	
	B	2	1	36	B	A	A	D	W	250	8	200	
	B	2	1	36	B	B	A	A	W	800	18	800	

Table 1.

INVENTORY OF WELLS WITHIN AREA OF HYDROLOGIC INFLUENCE

NOTES	QUAD	TOWN	RANGE	SECTION	QUARTER			WATER USE	WELL USE	TOTAL DEPTH OF WELL (feet)	CONSTRUCTION DETAILS		
					1	2	3				CASING DIAMETER (in)	DEPTH CASED (ft)	PERFORATED INTERVALS (ft)
	B	2	1	36	B	B	A	A	W	866	20	866	
	B	2	1	36	B	C		D	W	383	8	363	
	B	2	1	36	B	C	A	A	W	925	18	640	200'-620'
	B	2	1	36	B	D		D	W	400	8	400	
	B	2	1	36	C	B	A	A	W	250	20	250	
	B	2	1	36	C	B	A	A	W	630	20	630	
	B	2	1	36	C	D	D	DJ	W	400	8	400	
	B	2	1	36	D	B		A	W	400	20	350	
	B	2	1	36	D	B	C	A	W	400	20	350	
	B	2	1	36	D	C		D	W	195	6	195	
	B	2	1	36	D	D		D	W	220	5		
	B	2	1	36	D	D	A	D	W	405	8	464	
	B	2	1	36	D	D	A	D	W	252	6	252	
LEGEND:	WATER USE												
	A	AGRICULTURAL						A	ANODE				
	B	UTILITY						B	GROUNDING				
	C	COMMERCIAL						G	GEOTECHNICAL				
	D	DOMESTIC						N	CATHODIC				
	E	MUNICIPAL						O	OBSERVATION				
	F	INDUSTRIAL						P	PIEZOMETER				
	G	RECREATIONAL						Q	MONITORING				
	J	STOCK						U	ABANDONED				
	M	MONITORING						W	WATER PRODUCTION				
N	NONE												

WATER LEVEL DATA

LOCAL ID								WELL ALTITUDE (FEET)	DATE MEASURED	WATER LEVEL ELEVATION (FEET)	DEPTH TO WATER (FEET)
A	1	1	4	A	A	A	2	1028.00	11/11/91	926.6	101.40
A	1	1	6	C	B	B		995.00	11/5/91	928.3	66.70
A	1	1	6	C	B	B	2	994.00	11/19/91	917.9	76.10
A	1	1	6	C	D	D		998.00	11/20/91	924.7	73.30
A	1	1	6	D	A	A		1010.00	12/5/91	917.9	92.10
A	1	1	7	C	C	D		987.00	11/19/91	925.4	61.60
A	1	1	8	B	A	A		1008.00	11/20/91	925.8	82.20
A	1	1	8	C	A	B		999.00	12/5/91	938.2	60.80
A	1	1	17	B	B	B		991.00	11/19/91	935.4	55.60
A	1	1	17	B	B	B		986.00	11/12/91	924.0	62.00
A	1	1	18	A	C	B		1035.00	11/4/91	909.1	125.90
A	2	1	20	B	B	B		1028.00	11/4/91	908.3	119.70
A	2	1	20	B	C	C	2	1028.00	11/4/91	909.7	117.30
A	2	1	20	C	A	C		1027.00	11/4/91	909.7	117.30
A	2	1	20	C	C	C	2	1022.00	11/12/91	904.5	117.50
A	2	1	20	C	C	C		1037.00	11/5/91	921.7	115.30
A	2	1	20	D	A	A		1037.00	11/5/91	921.7	115.30
A	2	1	20	D	D	D	2	1032.00	11/5/91	920.4	111.60
A	2	1	20	D	D	D		1032.00	11/5/91	920.4	111.60
A	2	1	29	C	A	A	2	1023.00	11/11/91	906.9	116.10
A	2	1	29	D	D	D	2	1028.00	11/5/91	914.6	113.40
A	2	1	29	D	D	D		1013.00	11/11/91	895.4	117.60
A	2	1	30	C	A	A	2	1013.00	11/11/91	895.4	117.60
A	2	1	30	C	A	A		1011.00	11/11/91	888.2	122.80
A	2	1	30	C	B	B		1011.00	11/11/91	888.2	122.80
A	2	1	30	D	A	A	2	1018.00	11/11/91	860.7	157.30
A	2	1	30	D	A	A		1018.00	11/11/91	860.7	157.30
A	2	1	30	D	D	D	2	1017.00	11/5/91	903.8	113.20
A	2	1	30	D	D	D		1017.00	11/5/91	903.8	113.20
A	2	1	30	D	D	D		1018.00	11/19/91	915.9	102.10
A	2	1	31	D	A	A		1018.00	11/19/91	915.9	102.10
A	2	1	31	D	A	A		1024.00	11/18/91	913.6	110.40
A	2	1	32	A	A	C		1024.00	11/18/91	913.6	110.40
A	2	1	32	A	C	A		1023.00	11/18/91	914.2	108.80
A	2	1	32	A	C	A		1023.00	11/18/91	914.2	108.80
A	2	1	32	D	A	B	2	1024.00	11/11/91	914.2	109.80
A	2	1	32	D	A	B		1023.00	11/12/91	909.2	113.80
A	2	1	32	D	D	A		1023.00	11/12/91	909.2	113.80
A	2	1	32	D	D	A		1028.00	11/11/91	917.9	110.10
A	2	1	33	A	C	C		1028.00	11/11/91	917.9	110.10
A	2	1	33	C	C	C		1022.00	11/11/91	885.2	136.80
A	2	1	33	C	C	C		1022.00	11/11/91	885.2	136.80
A	2	1	33	C	D	D	2	1023.00	11/11/91	917.8	105.20
A	2	1	33	C	D	D		1023.00	11/11/91	917.8	105.20
B	1	1	1	B	A	C		986.00	11/19/91	913.4	72.60
B	1	1	1	B	A	C		986.00	11/19/91	913.4	72.60
B	1	1	1	B	D	A		987.00	11/19/91	912.7	74.30
B	1	1	1	B	D	A		987.00	11/19/91	912.7	74.30
B	1	1	1	C	A	A		987.00	11/19/91	918.8	68.20
B	1	1	1	C	A	A		987.00	11/19/91	918.8	68.20
B	1	1	1	C	A	B		985.00	11/19/91	917.8	67.20
B	1	1	1	C	A	B		985.00	11/19/91	917.8	67.20
B	1	1	2	B	B	B		994.00	11/12/91	900.6	93.40
B	1	1	2	B	B	B		994.00	11/12/91	900.6	93.40
B	1	1	2	B	C	B		991.00	11/18/91	902.0	89.00
B	1	1	2	B	C	B		991.00	11/18/91	902.0	89.00
B	1	1	2	D	A	A		979.00	11/19/91	914.8	64.20
B	1	1	2	D	A	A		979.00	11/19/91	914.8	64.20
B	1	1	3	B	A	A		993.00	11/18/91	896.5	96.50
B	1	1	3	B	A	A		993.00	11/18/91	896.5	96.50
B	1	1	3	D	A	C		984.00	11/13/91	901.4	82.60
B	1	1	3	D	A	C		984.00	11/13/91	901.4	82.60
B	1	1	4	A	A	B		991.00	11/18/91	891.3	99.70
B	1	1	4	A	A	B		991.00	11/18/91	891.3	99.70
B	1	1	4	A	B	A	2	990.00	11/13/91	892.2	97.80
B	1	1	4	A	B	A		990.00	11/13/91	892.2	97.80
B	1	1	4	B	C	C		996.00	11/25/91	892.7	103.30
B	1	1	4	B	C	C		996.00	11/25/91	892.7	103.30
B	1	1	4	C	A	A		994.00	11/25/91	894.4	99.60
B	1	1	4	C	A	A		994.00	11/25/91	894.4	99.60
B	1	1	9	A	A	B		990.00	11/19/91	903.8	86.20
B	1	1	9	A	A	B		990.00	11/19/91	903.8	86.20
B	1	1	9	D	D	B		975.00	11/13/91	905.9	69.10
B	1	1	9	D	D	B		975.00	11/13/91	905.9	69.10
B	1	1	10	A	A	A	2	983.00	11/12/91	907.7	75.30
B	1	1	10	A	A	A		983.00	11/12/91	907.7	75.30
B	1	1	10	A	C	D		976.00	11/25/91	908.2	67.80
B	1	1	10	A	C	D		976.00	11/25/91	908.2	67.80
B	1	1	10	B	C	C		974.00	11/13/91	859.0	115.00
B	1	1	10	B	C	C		974.00	11/13/91	859.0	115.00

Table 2

WATER LEVEL DATA

LOCAL ID							WELL ALTITUDE (FEET)	DATE MEASURED	WATER LEVEL ELEVATION (FEET)	DEPTH TO WATER (FEET)	
B	1	1	10	B	D	A	975.00	12/4/91	902.0	73.00	
B	1	1	10	B	D	B	974.00	11/13/91	879.7	94.30	
B	1	1	10	C	B	B	974.00	12/4/91	904.0	70.00	
B	1	1	10	C	B	D	969.00	12/4/91	893.1	75.90	
B	1	1	10	C	C	D	966.00	11/13/91	900.3	65.70	
B	1	1	11	A	A	A	972.00	11/19/91	922.0	50.00	
B	1	1	11	A	A	B	972.00	11/19/91	921.4	50.60	
B	1	1	11	B	A	B	978.00	11/19/91	922.8	55.20	
B	1	1	11	C	C	B	1	971.00	12/4/91	922.6	48.40
B	1	1	11	C	C	B	2	969.00	12/4/91	922.3	46.70
B	1	1	12	B	A	A	2	980.00	11/19/91	917.7	62.30
B	1	1	13	A	A	B	2	985.00	11/20/91	900.0	85.00
B	1	1	13	D	B	C		983.00	11/5/91	928.5	54.50
B	1	1	15	B	A	D		970.00	11/27/91	903.5	66.50
B	1	1	15	C	C	B		967.00	11/13/91	906.1	60.90
B	1	1	16	A	A	B		965.00	12/4/91	907.2	57.80
B	1	1	16	A	A	C		960.00	12/4/91	902.0	58.00
B	1	1	16	A	D	B		962.00	12/4/91	904.0	58.00
B	1	1	16	D	B	D		958.00	12/4/91	900.7	57.30
B	2	1	13	B	A	D		1033.00	11/4/91	877.6	155.40
B	2	1	14	A	B	D	2	1044.00	11/5/91	800.4	243.60
B	2	1	14	C	B	B		1057.00	11/5/91	853.7	203.30
B	2	1	23	D	B	B		1031.00	11/22/91	851.5	179.50
B	2	1	23	D	C	B		1030.00	11/22/91	843.9	186.10
B	2	1	23	D	D	D		1018.00	11/12/91	845.6	172.40
B	2	1	24	B	B	D		1022.00	11/5/91	871.8	150.20
B	2	1	25	A	C	A		1005.00	11/18/91	878.8	126.20
B	2	1	25	A	D	C		1003.00	11/19/91	859.2	143.80
B	2	1	25	B	B	B		1008.00	11/18/91	852.3	155.70
B	2	1	25	B	C	B		1003.00	11/11/91	873.7	129.30
B	2	1	26	A	A	A		1015.00	11/12/91	763.6	251.40
B	2	1	26	A	C	A		1013.00	11/11/91	871.0	142.00
B	2	1	26	C	B	C	2	1016.00	11/11/91	877.0	139.00
B	2	1	27	A	B	D		1019.00	11/21/91	1019.0	0.00
B	2	1	27	C	B	C		1008.00	11/18/91	887.4	120.60
B	2	1	27	D	C	C		1007.00	11/18/91	886.6	120.40
B	2	1	33	B	C	C	2	1002.00	11/18/91	885.7	116.30
B	2	1	33	B	D	D	2	999.00	11/18/91	887.6	111.40
B	2	1	34	C	A	A	2	998.00	11/18/91	889.0	109.00
B	2	1	34	D	D	A		996.00	11/18/91	893.7	102.30
B	2	1	35	A	A	B		997.00	11/18/91	891.0	106.00
B	2	1	35	A	B	D		992.00	11/18/91	895.0	97.00
B	2	1	36	A	C	D		1003.00	11/19/91	905.0	98.00
B	2	1	36	A	D	C		1003.00	11/19/91	862.4	140.60
B	2	1	36	B	A	A		996.00	11/19/91	894.5	101.50
B	2	1	36	B	B	A	3	997.00	11/18/91	890.8	106.20
B	2	1	36	C	D	D		992.00	11/19/91	910.5	81.50

Table 2

UPPER ALLUVIAL UNIT SUB-UNIT	SUB-UNIT THICKNESS (ft)	% OF TOTAL THICKNESS	HORIZ. PERMEABILITY (gpd/sq.ft.)	HORIZ. PERMEABILITY (ft/day)	SPECIFIC YIELD	TRANSMISSIVITY (gpd/ft)
A*	70	23	550	74	0.1	39,000
B	90	30	150	20	0.05	14,000
C	140	47	1,025	137	0.2	144,000
TOTAL	300	AVG'S ==>	650	87	0.1	200,000
* Saturated thickness used for sub-unit A; actual thickness is 150 ft.						

Table 3. Aquifer characteristics used in recharge mound model.

APPENDIX A

PHASE I ENVIRONMENTAL SITE ASSESSMENT



BCI Geonetics, Inc.

Avondale US&R Permit Application

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
and
50-YEAR CHAIN-OF-TITLE FOR
AN 80-ACRE VACANT PARCEL
AVONDALE, ARIZONA**



Water Resources Associates, Inc.

Hydrologists • Hydrogeologists • Engineers • Forensic Hydrologists



Water Resources Associates, Inc.

A Subsidiary of Yellowstone Environmental Services, Inc.

April 20, 1993

Frank L. Ross, Esquire
820 East Van Buren Street, Suite 110
Goodyear, AZ 85338

SUBJECT: PHASE I ENVIRONMENTAL SITE ASSESSMENT AND 50-YEAR CHAIN-OF-TITLE SEARCH FOR APPROXIMATELY 80 ACRES OF VACANT LAND IN AVONDALE, ARIZONA

Dear Mr. Ross:

Water Resources Associates, Inc. (WRA) has completed the scope of work as outlined in our agreement dated March 17, 1993 to conduct a Phase I Environmental Site Assessment and a 50-year chain-of-title search at the subject property. The report of our findings is enclosed. An executive summary is provided immediately following this letter.

WRA is pleased to provide these services to you. After reviewing this document, if you have any questions or require additional information, please do not hesitate to call.

Sincerely,

WATER RESOURCES ASSOCIATES, INC.

Bruce Campbell
Staff Environmental Scientist

Alan C. Thomas
Manager
Environmental Assessment Services

REVIEWED AND APPROVED

Dennis C. Knudsen
Regional Vice President

Attachment: Phase I ESA Report

cc: Edward D. Ricci, Vice President - WRA
WRA File AE13910

ae13910m01

EXECUTIVE SUMMARY

Mr. Frank Ross, Attorney at Law, has retained Water Resources Associates, Inc. (WRA) to perform a Phase I Environmental Site Assessment (ESA) of an irregularly shaped, 80-acre parcel of vacant land in Avondale, Arizona.

The Phase I ESA included a review of selected public environmental and historical records concerning the subject property and adjacent areas. The Phase I ESA also included a visual observation of the site in order to confirm the aspects of the records review and to identify features suggesting the potential presence of petroleum or hazardous substances on the subject property, or the potential for migration of petroleum or hazardous substances from adjacent land onto the subject property.

This assessment confirmed that the subject property is currently 80 acres of undeveloped land adjacent to the Agua Fria River. WRA personnel observed no significant evidence to suggest contamination of the subject property by hazardous materials from present on-site activities. However, WRA observed significant dumping on the subject property and on-going agricultural activities to the east of the site.

On-Site Dumping - Although there appears to be significant quantities of dumped tires, household rubbish, landscaping debris, and discarded appliances on the site, none of this refuse appeared hazardous, and no staining or distressed vegetation were observed in the vicinity of this material. WRA recommends that the refuse on the subject property be removed and properly disposed. To prevent future dumping, access should be restricted by berming or fencing.

Off-Site Agricultural Land and Livestock Operation - The subject property is immediately down-gradient from active agricultural land and a livestock operation (dairy), both of which have been in operation according to aerial photographs since 1967. If future development includes beneficial use of ground water, WRA recommends sampling of ground water beneath the subject property for Clean Water Act regulated substances including pesticide, herbicide, and nitrogen product residues.

WRA personnel observed no other significant evidence to suggest contamination of the subject property by petroleum or hazardous substances. No further investigation, other than that discussed above, is suggested at this time.

If other potentially hazardous substances, facilities, features, or conditions become evident during development of the site, they may be brought to the immediate attention of this firm to enable formulation of suitable recommendations.



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1.0 INTRODUCTION

1.1 BACKGROUND

WRA has been retained by Mr. Frank Ross, Attorney at Law, to perform a Phase I ESA at an irregularly-shaped 80-acre vacant parcel of land in Avondale, Arizona. This work was performed in accordance with the scope of work outlined in our agreement dated March 17, 1993.

1.2 SCOPE OF WORK

The Phase I ESA included a review of selected public environmental and historical records concerning the subject property and adjacent areas. The Phase I ESA also included a visual observation of the site in order to confirm aspects of the records review, and to identify features suggesting the potential presence of petroleum or hazardous substances on the subject property, or the potential for migration of petroleum or hazardous substances from adjacent land onto the subject property.

1.3 LIMITATIONS

The conclusions presented herein are based on WRA's interpretation of selected available data. This ESA does not include an evaluation of occupational health and safety hazards. WRA is not responsible for the accuracy of data obtained from officials of regulatory agencies, nor for discrepancies between our conclusions and future activities at the site which may result in conditions which were not present at the time of this investigation. Our interpretations are based upon the review of selected public records and observations of specific field conditions. It should also be recognized that WRA's work was done in accordance with our understanding of the regulatory standards which existed at the time the work was



performed. The presence, nature, or extent of potential contamination on the subject property can only be conclusively determined through appropriate sampling and analysis. Because no sampling was performed as part of the scope of work, WRA can give no warranties or guarantees concerning potential contaminants or environmental media not addressed through sampling and analysis.



2.0 PROPERTY LOCATION AND DESCRIPTION

A site location map is provided in Figure 1. The subject property is more generally located in a portion of the West half of Section 36, Township 2 North, Range West of the Gila and Salt River Baseline and Meridian. The property is described by the Maricopa County Assessor's Office as portions of Parcels 501-74-005A, 501-74-004J, 501-74-003B, 501-74-004E, 501-74-004H, 501-74-009B, 501-74-012F, 501-74-012M, and 507-74-020B. A legal description and chain-of-title are provided in Appendix A.

2.1 CURRENT DEVELOPMENT

The subject property is currently a vacant parcel of land located along the east bank of the Agua Fria River between Thomas and McDowell Roads and between El Mirage Road (123rd Avenue) and 119th Avenue in Avondale, Arizona.

2.2 GEOLOGY AND HYDROGEOLOGY

2.2.1 Regional and Site Geology

The subject property lies in the Salt River Valley, a broad alluvial basin within the Basin and Range physiographic province, which includes southern Arizona. The Basin and Range province is characterized by a series of northwest trending fault-block mountain ranges separated by alluvial valleys.

The Salt River Valley is surrounded by mountains composed primarily of granite, metamorphic and volcanic rocks, and minor amounts of sedimentary rocks. The valley floor is generally characterized by basin-fill deposits of varying thickness. The area of the subject property is underlain by irregular fluvial and lacustrine deposits of sand, gravel, silt, and clay extending to approximately 1,200 feet below ground surface (bgs) (Laney and Hahn, 1986).



2.2.2 Ground Water

Review of the Arizona Department of Water Resources (ADWR) Hydrologic Map Series, Report No. 12, indicates that ground water below the subject property occurs at approximately 95 feet bgs. The generalized direction of ground-water flow is to the northwest, although local variations in water level and flow are possible due to large-scale pumping in the area (Reeter and Remick, 1983).

2.3 TOPOGRAPHY AND DRAINAGE

WRA reviewed the United States Geological Survey (USGS) topographic map for the Tolleson Quadrangle, dated 1957 and photo-revised in 1982, to confirm field observations of topography and drainage on the subject property. According to the USGS map, the site lies at approximately 990 feet above mean sea level (MSL).

A review of the April 15, 1988, Flood Insurance Rate Map (FIRM) was conducted for flood zone information. According to Panel #04013C2080D of the FIRM maps, the subject property is located in Flood Zone A, an area within the limits of the 100-year floodplain. Flood insurance is typically required for properties occurring in Flood Zone A.

2.4 METEOROLOGY

The Salt River Valley lies in the northeastern part of the Sonoran desert, which is characterized by hot summers and cool winters. The average daily maximum temperature is 105° F in July and 65° F in December, while daily minimum temperatures average 80° F in July and 39° F in December. Annual rainfall averages 7.5 inches on the valley floor, with most of the precipitation occurring during two rainy seasons. In winter, occasional storm systems moving inland from the Pacific Ocean result in widespread rainfall of light to moderate intensity. Summer storm events are typically caused by warm air masses moving northward from the Gulf of Mexico and the west coast of Mexico. Summer rainfall events are generally more localized and highly variable in intensity. Potential annual lake evaporation has been measured at 72 inches of water and thus may be approximately 10 times annual rainfall in the Salt River Valley (Sellers and Hill, 1974).



2.5 SITE UTILITY INFORMATION

With the exception of high-voltage power lines transecting the center of the site from north to south, no structures, utility connections, or service structures were observed on the subject property. The subject property lies on the borderline between the Arizona Public Service (APS) and Salt River Project (SRP) electrical service areas.



3.3 AERIAL PHOTOGRAPHY REVIEW

WRA personnel reviewed selected aerial photographs of the subject property from 1967 to 1993. A brief description of the reviewed photographs is listed below.

- 10-09-67 This photograph shows the subject property as a portion of the Agua Fria River channel. McDowell and Thomas Roads border the property to the south and north, respectively. The surrounding area to the west is agricultural land and to the east is agricultural land and a livestock operation.
- 03-08-69 This photograph shows no significant change to the subject property or surrounding area from the 1967 photograph.
- 05-04-70 This photograph shows no significant change to the subject property or surrounding area from the 1969 photograph.
- 01-11-73 This photograph shows a structure present adjacent to the northeast corner of the subject property. No other significant changes to the subject property or surrounding area from the 1970 photograph were shown.
- 12-30-75 This photograph shows a sand and rock removal operation present in the northern portion of the property. No other changes to the subject property or surrounding area from the 1973 photograph were observed.
- 12-28-76 No significant changes to the subject property or surrounding area from the 1975 photograph were observed.
- 12-14-78 This photograph shows no significant change to the subject property from the 1976 photograph. However, the sand and rock operation previously noted appears to be expanding toward the north. The I-10 freeway is shown under construction to the south of the property.



- 12-15-79 This photograph shows no significant change to the subject property from the 1978 photograph.
- 12-15-80 This photograph shows the sand and rock removal operation moved from the north portion to the south portion of the subject property. The north portion has been graded flat. No other significant changes to the subject property or surrounding area from the 1979 photograph were observed.
- 12-20-81 No significant changes to the subject property or surrounding area from the 1980 photograph were observed.
- 12-31-82 With the exception of continuing construction on the I-10 Freeway south of the subject property, no significant changes were noted from the 1981 photograph.
- 12-07-83 With the exception of continuing construction on the I-10 Freeway south of the subject property, no significant changes were noted from the 1982 photograph.
- 12-28-85 This photograph shows the Agua Fria River re-channelized west of the subject property and McDowell Road modified to curve south at the southeast corner of the property. The McDowell Road bridge over the river has been completed. Sand and rock removal operations do not appear to be present on the property.
- 12-30-86 This photograph shows the subject property and surrounding area with no significant changes from the 1985 photograph. The subject property and surrounding area are shown essentially as they appeared during the site survey.
- 12-17-87 This photograph shows the subject property and surrounding area with no significant changes from the 1986 photograph. The subject property and surrounding area are shown essentially as they appeared during the site survey.
- 12-30-88 This photograph shows the subject property and surrounding area with no significant changes from the 1987 photograph. The subject property and surrounding area are shown essentially as they appeared during the site survey.



12-31-90 This photograph shows the subject property and surrounding area with no significant changes from the 1988 photograph. The subject property and surrounding area are shown essentially as they appeared during the site survey.

12-25-91 This photograph shows the subject property and surrounding area with no significant changes from the 1990 photograph. The subject property and surrounding area are shown essentially as they appeared during the site survey.

01-04-93 This photograph shows the subject property and surrounding area with no significant changes from the 1991 photograph. The subject property and surrounding area are shown essentially as they appeared during the site survey.

3.4 HISTORICAL MAPS

WRA reviewed the USGS topographic map for the Tolleson Quadrangle, dated 1957 and photo-revised in 1982 to evaluate evidence of historical development on the subject property. This review indicated that the subject property was located predominately in a river channel area between 1957 to 1982.

3.5 CITY DIRECTORIES

City directories for the Phoenix metropolitan area are generally reviewed to determine past occupancy of a property. Past occupancies can provide an indication of the nature of activities conducted on the subject property. In order to perform a city directory search, a numerical street address or telephone number listing is required. WRA personnel found no indication of past or present on-site structures, therefore no city directory search was performed.



4.0 REGULATORY AGENCY RECORDS REVIEW

4.1 SUPERFUND/WQARF/ACIDS SITES

The United States Environmental Protection Agency (EPA) maintains the National Priorities List (NPL) of federal "Superfund" sites in Arizona. Review of the list of NPL sites for Arizona, dated January 29, 1993, indicated that the subject property is not located within a 2-mile radius of a Federal Superfund Site.

ADEQ maintains a project list for the Water Quality Assurance Revolving Fund (WQARF), or "State Superfund" program. Review of the most recent WQARF list dated January 29, 1993, indicated that the subject property is not located within a 2-mile radius of a WQARF study area.

The U.S. EPA maintains the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) list, which is used to track activities conducted under the federal Superfund program. Review of the CERCLIS list, dated October 26, 1992, indicated that no listed sites are located within a 0.5-mile radius of the subject property.

The ADEQ list entitled Arizona CERCLA Information and DATA System (ACIDS) is a state equivalent to the CERCLIS list. Review of the ACIDS list, dated December 30, 1992, indicated that the subject property does not appear on this list. No listed ACIDS sites are located within a 0.5-mile radius of the subject property.

4.2 LANDFILLS

The State of Arizona maintains a list of active municipal solid waste landfills (MSWLF), rubbish landfills (RLF), and private solid waste landfills (PSWLF). Review of the active landfill list, dated February 1993 indicated that one active landfill facility is currently located within a 2-mile radius of the subject property. Specific information regarding the landfill is listed below.



Name	Owner	Address	Approximate Location Relative to Site
Allied MSWLF Maricopa	CalMat of Arizona	south of Indian School Road, west side of Agua Fria River	¼ mile north

Review of the ADEQ list of closed solid waste landfills (CSWLF) and closed solid waste open dumps (CSWOD), dated February, 1993, indicated that two closed landfills are located within a 2-mile radius of the subject property. Specific information regarding these closed landfills is listed below.

Name	Owner	Address	Approximate Location Relative to Site
Avondale CSWLF Maricopa	Maricopa County	north side of the intersection of U.S. 85 and the Agua Fria	2 miles south
Old Town Dump CSWLF Maricopa	Goodyear Tire & Rubber	Dysart Road to RID Canal (north of Thomas) mile east	½ mile northwest

4.3 HAZARDOUS WASTE FACILITIES

The Resource Conservation and Recovery Act (RCRA) database, maintained by ADEQ, includes facilities that are involved in the generation, transport, treatment, or disposal of hazardous waste and have been assigned an EPA identification number. Inclusion of a facility on this list does not necessarily mean that the site is contaminated or causing contamination. Review of the RCRA database, current through November 17, 1992, indicated that no registered RCRA facilities are within a 0.5-mile radius of the subject property. The subject property is not listed in the RCRA database.

The RCRA Compliance Log, maintained by ADEQ, includes facilities which have been reported to be in violation of hazardous waste regulations. Review of the log, current through December 2, 1992, indicated the subject property is not listed. No facilities located within a 0.5-mile radius have been reported to be in violation of RCRA regulations.



4.4 HAZARDOUS MATERIALS INCIDENTS

Review of the ADEQ Emergency Response Unit HAZMAT Incident Logbook, which lists hazardous materials spills, threats, fires, and incidents, indicated that from 1984 through 1992, no reported HAZMAT incidents have occurred within a 0.5-mile radius of the subject property. No HAZMAT incidents have been reported for the subject property.

4.5 UNDERGROUND STORAGE TANKS

According to the ADEQ list of registered underground storage tanks (UST) facilities, dated September 9, 1992, two registered UST facilities are located within a 0.5-mile radius of the subject property. No USTs are registered for the subject property. The ADEQ information regarding these registered tanks is listed below.

ADEQ Registration Number	Facility Name/Address	Number of USTs	Status	Approximate Location Relative to Site
0-002952	Country Boy Crop Dusting 901 North 115th Avenue	5	2 current 3 removed	½ mile south
0-005709	Wooten Kennels 11901 West Thomas Road	1	1 permanent	¼ mile east

4.6 LEAKING UNDERGROUND STORAGE TANKS

Based on a review of the ADEQ list of leaking underground storage tanks (LUST) dated September 1, 1992, no LUST sites are recorded as occurring on the subject property. No reported LUST incidents are listed as occurring within a 0.5-mile radius of the subject property.



4.7 DRY WELLS

Arizona rules require owners to register all dry wells on their property with ADEQ. The Water Permits unit of ADEQ maintains a list of all dry wells that have been registered with the State to date. According to ADEQ records, there are no facilities with registered dry wells within a 0.5-mile radius of the subject property. No dry wells are registered at the subject property.

4.8 REGISTERED WELLS

According to the Arizona Department of Water Resources (ADWR), there are 25 registered or reported wells located within a 0.5-mile radius of the subject property. No registered or reported wells are listed as occurring on the subject property. Specific information concerning the wells located within a 0.5-mile radius of the site is listed below.

Location	Owner	Registration Number	Depth (ft)	Diameter (in)	Use	Drill Date	Approximate Location Relative to Site
B (2-1) 35 AA	Argoud, M.D	WR 648882	NL	NL	D,A	05-19-82	½ mile west
B (2-1) 35 ABD	Rayner, J.M.	WR 608795	600	20	A	05-19-82	½ mile west
B (2-1) 35 DAA	Rayner, J.M.	WR 608793	867	20	A	05-19-82	¼ mile west
B (2-1) 36	Peterson, W.G.	WR 800297	NL	NL	A	10-25-82	¼ mile east
B (2-1) 36 ACA	Kulikov, A.A.	WR 639035	200	4	D	06-10-82	½ mile east
B (2-1) 36 ACA	Smiley, L.S. & Goodin, James	WR 640406	425	8	D	07-13-82	½ mile east
B (2-1) 36 AD	Brummet, P.H.	WR 603441	265	20	A	01-25-92	½ mile east
B (2-1) 36 ADD	Treguboff	WR 500548	326	8	D	07-31-81	½ mile east
B (2-1) 36 BAA	Wooten, R.	WR 800766	250	8	D	07-27-83	¼ mile east
B (2-1) 36 BBA	Rayner, J.M.	WR 608790	800	18	A	05-19-82	½ mile east
B (2-1) 36 BBA	Rayner, J.M.	WR 608792	866	20	A	05-19-82	½ mile east
B (2-1) 36 BC	Treguboff, P.J.	WR 602231	383	8	D	03-08-82	½ mile east
B (2-1) 36 BCA	Rayner, J.	WR 604634	925	18	A	02-28-83	½ mile east
B (2-1) 36 BD	Baker, W.L.	WR 605816	400	8	D	04-13-82	½ mile east
B (2-1) 36 CBA	Rayner, J.M.	WR 608794	630	20	A	05-19-82	½ mile east
B (2-1) 36 CBA	Rayner, J.M.	WR 608794	630	20	A	05-19-82	½ mile east
B (2-1) 36 CDD	Baker, D.	WR 605821	400	8	D,J	04-13-82	½ mile east
B (2-1) 36 DB	Baker, et al	WR 604817	400	20	A	04-13-82	½ mile east



Location	Owner	Registration Number	Depth (ft)	Diameter (in)	Use	Drill Date	Approximate Location Relative to Site
B (2-1) 36 DC	Eggink, C.N.	WR 800746	195	6	D	07-26-83	½ mile east
B (1-1) 1 BA	Brainard & Naifeh	55-623980	NL	NL	NL	NL	½ mile southeast
B (1-1) 1 BAA	Vernon Shaffer	55-639762	200	20	A	1940	½ mile southeast
B (1-1) 1 BAA	Albert	55-603360	312	8	D	1972	½ mile southeast
B (1-1) 1 BD	Naifen, J.R.	55-610425	NL	NL	NL	NL	½ mile southeast
B (1-1) 1 BDB	Vernon Shaffer	55-639761	352	9	D	1976	½ mile southeast
B (1-1) 2 ADD	Anderson	55-6186486	200	6	D	1949	½ mile south

D = Domestic

E = Municipal

4.9 AREA GROUND-WATER CONDITIONS

Potential sources of information concerning ground-water quality in the area of the subject property include the ADEQ Annual Report on Groundwater Quality Sampling Results and reports of various Superfund, WQARF, or other site investigations in the area of the subject property. However, no monitoring data was provided for wells located within a 0.5-mile radius of the subject property.



5.0 SITE OBSERVATIONS

WRA personnel inspected the subject property on April 12, 1993. The focus of the site inspection was to identify potential environmental hazards resulting from previous or existing land uses, and to observe the subject property for features indicating the possible presence of unregistered wells, unregistered USTs, or other potentially hazardous facilities on the property. Selected photographs taken at the time of the site inspection are listed and included as Appendix B.

The site is an irregularly-shaped vacant 80-acre parcel of land located along the east bank of the Agua Fria River between Thomas and McDowell Roads and between El Mirage Road (123rd Avenue) and 119th Avenue in Avondale, Arizona (see Figure 1). Historically, the property was part of the Agua Fria River channel. However, in 1984, the river was re-channelized to flow to the west of the site as part of local flood-control efforts. The property exhibits the characteristics of a river channel with uneven terrain, sandy surface soils, and stands of salt cedar (*Tamarix* spp.) defining the east and west banks of the former channel. Several dirt roads were present on the subject property and a high voltage power line transects the property from north to south. Although posted with "NO DUMPING" signs along the south border, access is basically unrestricted and a significant quantity of dumped refuse was observed in various places throughout the property. This refuse consisted of old tires, household rubbish, landscaping debris, and discarded furniture and appliances (see photograph numbers 5 through 8, and 11 and 12). Due to recent heavy rainfall, a significant growth of grasses and broad-leaf weeds and some standing water obscured the ground surface in several areas of the site. However, the areas surrounding the dumped refuse were inspected and no significant staining or containers that would indicate the presence of hazardous waste were observed. WRA observed one person walking through the site picking through the dumped refuse. Considering the size and placement of the trees on-site, it is possible that one or more "homeless" persons presently reside on the subject property.



6.0 CONCLUSIONS AND RECOMMENDATIONS

Based upon the results of our records search and site observations, WRA has developed the following opinions regarding potential environmental hazards on or near the subject property.

This assessment confirmed that the subject property is currently 80 acres of undeveloped land adjacent to the Agua Fria River. WRA personnel observed no significant evidence to suggest contamination of the subject property by hazardous materials from present on-site activities. However, WRA observed significant dumping on the subject property and on-going agriculture activities to the east of the site.

On-Site Dumping - Although there appears to be significant quantities of dumped tires, household rubbish, landscaping debris, and discarded appliances, none of this refuse appeared hazardous, and no staining or distressed vegetation were observed in the vicinity of this material. WRA recommends that the refuse on the subject property be removed and properly disposed. To prevent future dumping, access should be restricted by berming or fencing.

Off-Site Agricultural Land and Livestock Operation - The subject property is immediately down-gradient from active agricultural land and a livestock operation (dairy), both of which have been in operation according to aerial photographs since 1967. If future development includes beneficial use of ground water, WRA recommends sampling of ground water beneath the subject property for Clean Water Act regulated substances including pesticide, herbicide, and nitrogen product residues.

WRA personnel observed no other significant evidence to suggest contamination of the subject property by petroleum or hazardous substances. No further investigation, other than that discussed above, is suggested at this time.

If other potentially hazardous substances, facilities, features, or conditions become evident during development of the site, they may be brought to the immediate attention of this firm to enable formulation of suitable recommendations.



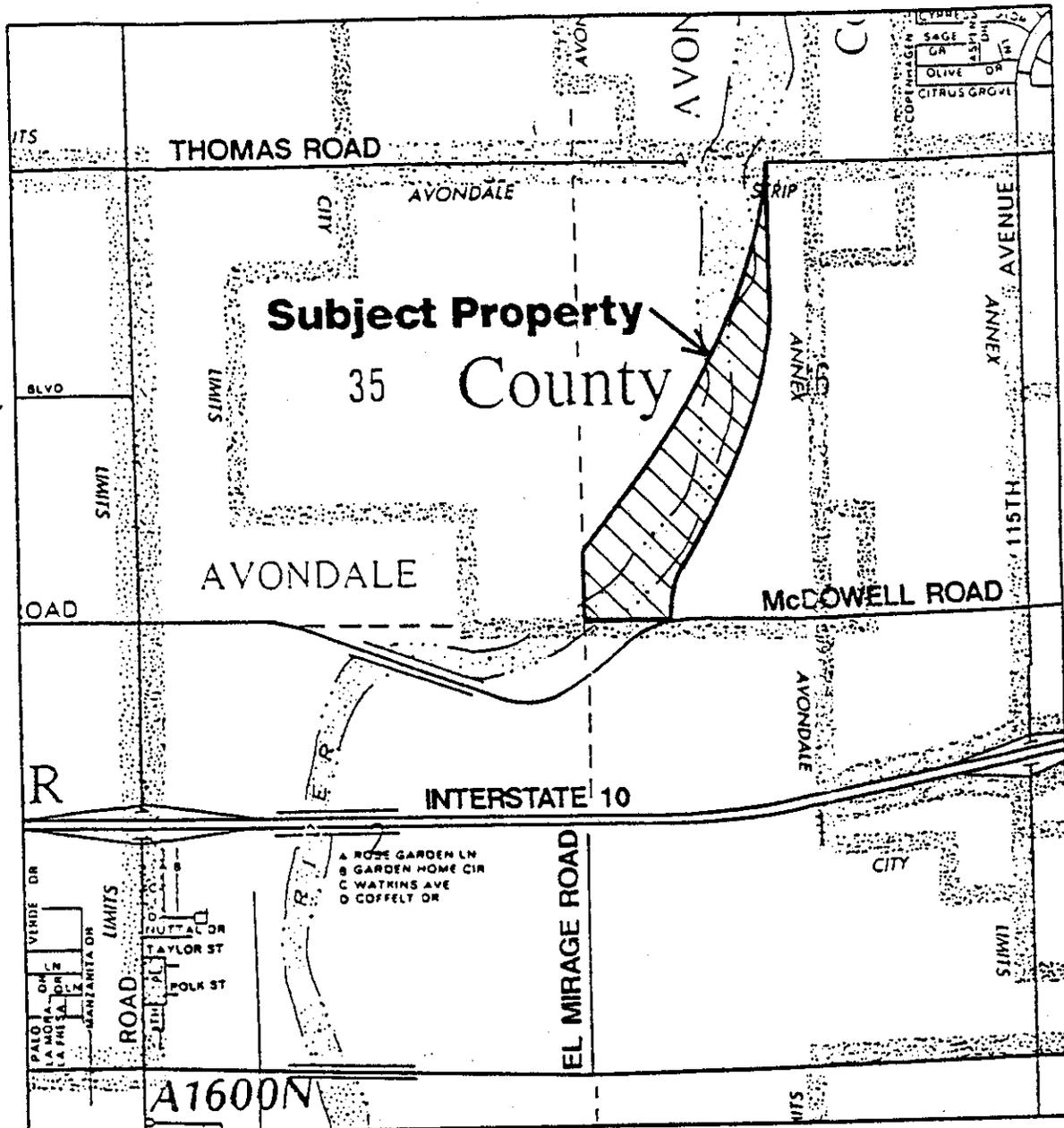
7.0 REFERENCES

- ADEQ. 1991. State of Arizona 1990 Annual Report: Arizona Groundwater Quality Sampling Results, 1990 Annual Report. Arizona Department of Environmental Quality. July, 1991.
- ADEQ. 1991. Hazardous Materials Incident Logbook. Arizona Department of Environmental Quality, Emergency Response Unit, 1984 - December 1992.
- ADEQ. 1992. Resource Conservation Recovery Act (RCRA) Database. Arizona Department of Environmental Quality. November 17, 1992.
- ADEQ. 1992. Underground Storage Tank (UST) List. Arizona Department of Environmental Quality, September 9, 1992.
- ADEQ. 1993. Water Quality Assurance Revolving Fund (WQARF) Sites. Arizona Department of Environmental Quality, Office of Waste Programs. January 29, 1993.
- ADEQ. 1992. Arizona CERCLA Information and Data System. Arizona Department of Environmental Quality, Office of Waste Programs. December 30, 1992.
- ADEQ. 1993. Closed Solid Waste Landfills and Dumps. Arizona Department of Environmental Quality, February, 1993.
- ADEQ. 1993. Dry Well Registration List. Arizona Department of Environmental Quality. February 3, 1993.
- ADEQ. 1992. Leaking Underground Storage Tank (LUST) List. Arizona Department of Environmental Quality. September 1, 1992.
- ADEQ. 1993. List of Active Landfills. Arizona Department of Environmental Quality. February, 1993.
- ADEQ. 1992. RCRA Compliance Log. Arizona Department of Environmental Quality. December 2, 1992.
- ADWR. 1992. Well Registry. Arizona Department of Water Resources. May 1, 1992.
- CERCLIS. 1992. Arizona List-8, Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS). October 26, 1992.
- FEMA. 1988. Flood Insurance Rate Map, panel #04013C2080D, Federal Emergency Management Agency. April 15, 1988.
- Landiscor Aerial, 1967-1993. Aerial photographs.
- Salt River Project. 1989. Annual Water Quality Report. Salt River Project.
- Sellers, W. D. and R. H. Hill, eds. 1974. Arizona Climate, 1931-1974. Tucson, University of Arizona Press.



FIGURES





Water Resources Associates, Inc.

A Subsidiary of Yellowstone Environmental Services, Inc.

PROJECT NO. AE13910
DATE 4/15/93

DRAWN BY KMA
CHECKED BY BEC

VICINITY MAP

FIGURE 1

THOMAS ROAD

El Mirage Road Alignment

Agricultural

Agricultural

Channelized Agua Fria River

Livestock Operation

Former Agua Fria River Channel

Agricultural

McDOWELL ROAD

LEGEND

-  Tree
-  Dumped Refuse
-  Standing Water



NORTH

NOT TO SCALE

Water Resources Associates, Inc.

A Subsidiary of Yellowstone Environmental Services, Inc.

PROJECT NO. AE13910

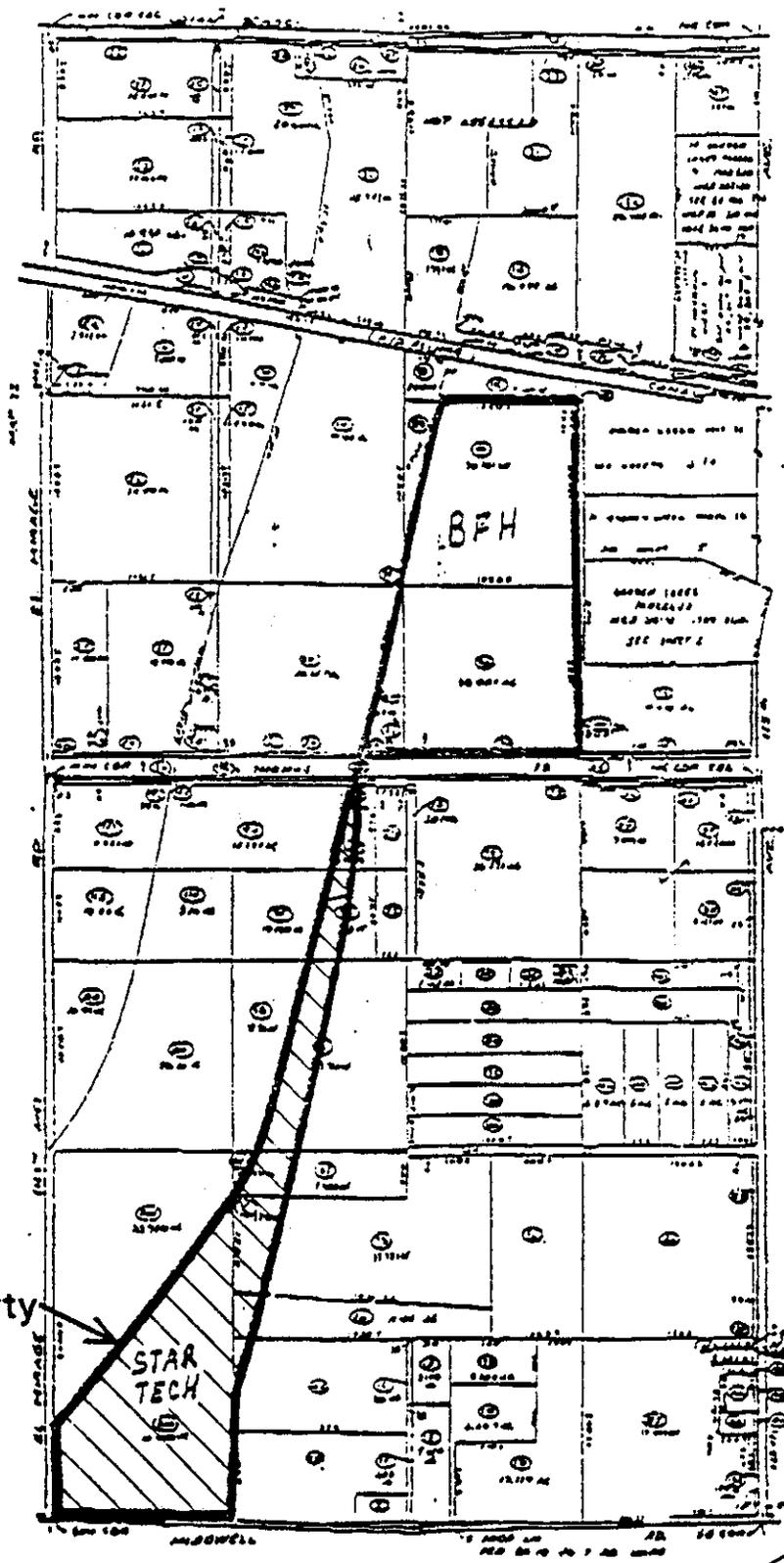
DRAWN BY KMA

DATE 4/15/93

CHECKED BY BEC

SITE DIAGRAM

FIGURE 2



Subject Property



NORTH
NOT TO SCALE

Water Resources Associates, Inc.

A Subsidiary of Yellowstone Environmental Services, Inc.

PROJECT NO. AE13910
DATE 4/15/93

DRAWN BY KMA
CHECKED BY BEC

PLAT MAP

FIGURE 3

APPENDIX A

Chain-of-Title



EXHIBIT A

Parcel No. 1:

The Southeast quarter of the Northwest quarter and the North half of the North half of the Northeast quarter of the Southwest quarter of Section 36, Township 2 North, Range 1 West, of the Gila and Salt River Base and Meridian, Maricopa County, Arizona.

Parcel No. 2:

That portion of the Northeast quarter of the Southwest quarter of Section 36, Township 2 North, Range 1 West, of the Gila and Salt River Base and Meridian, Maricopa County, Arizona which lies north of the fence line found by beginning at the center of said Section 36, thence South 89 degrees 49 minutes 12 seconds West 1314.42 feet, thence South 0 degrees 38 minutes 44 seconds East 1004.21 feet to the TRUE POINT OF BEGINNING of the fence; thence South 89 degrees 49 minutes 16 seconds East 1971.34 feet to the eastern boundary line of the West half of the Northwest quarter of the Southeast quarter of said Section 36.

CHAIN OF TITLE

1. Patent from State of Arizona to W. E. Campbell, dated 7-12-35, recorded 7-16-35 in Book 290 of Deeds, page 514.
2. Warranty Deed from W. E. Campbell, a bachelor, to Lawrence Baker and Iva Annis Baker, husband and wife, dated 10-5-43, recorded 11-13-43 in Book 398 of Deeds, page 255.
3. Quit Claim Deed from L. Baker and Isa Baker to United States of America, dated 9-10-45, recorded 10-9-45 in Book 455 of Deeds, page 557.
4. Decree of Distribution from Estate of Iva Annice Baker, also known as Iva Annis Baker, also known as Iva Baker, deceased, to Lawrence Baker, dated 6-30-64, recorded 7-9-64 in Docket 5123, page 275.
5. Warranty Deed from Lawrence Baker to Wilbur Lee Baker or Lois June Baker, husband and wife, dated 4-1-76, recorded 4-9-76 in Docket 11624, page 805.

NOTE: Lawrence Baker retained a life estate in said premises.

6. Quit Claim Deed from Lawrence Baker to Wilbur Lee Baker and Lois June Baker, dated 5-20-80, recorded 7-22-80 in Docket 14561, page 846.

LEASES

1. Lease by and between W. E. Campbell, Lessor, and Carter Oil & Gas Company, Lessee, recorded 5-31-21 in Book 7 of Leases, page 137, and disclosed by instrument recorded 11-13-43 in Book 398 of Deeds, page 255.
2. Unrecorded Lease to Jesse Rhodes and Linda Rhodes, as disclosed by instrument recorded 1-6-89 in Document No. 89007865.
3. Lease by and between Dellit E. Baker and Eulora R. Baker, husband and wife, Lessor, and Jesse Rhodes and Linda Rhodes, husband and wife, D.B.A. W. L. Dairy, Lessee, dated 3-1-88, recorded 2-17-89 in Document No. 89075784.

STATE OF ARIZONA, I hereby certify that the within instrument was filed and recorded,
County MARICOPA JUL 22 1980 at 1 15 M
In District No. 14561 Page 546 at the request of L. Baker

Fee No: 230048
Indexed: OK
Compared: OK
Photostated:
Fee: \$3.00
I.R.S. \$

When recorded mail to:

Mr. L. Baker
P.O. Box 284
Tucson, Arizona 85703

Witness my hand and official seal.

BILL HENRY

County Recorder

By: [Signature]

Deputy Recorder

Quit-Claim Deed

Stamp 4/11/80
Ch. 477

For the consideration of Ten Dollars, and other valuable considerations, I or we, LAWRENCE BAKER a married man in his sole and separate right

herby quit-claim to WILBUR LEE BAKER and LOIS JUNE BAKER as joint tenants with right of survivorship

all right, title, or interest in the following real property situated in Maricopa County, Arizona:

That portion of the NE 1/4 of the SW 1/4 and that portion of the W 1/2 of the NW 1/4 of the SE 1/4 of Section 36 T2N, R1W, G&SRBM which lies north of the fence line found by beginning at the center of Section 36 thence S 89°49'12"W 1314.43' feet thence S 0°38'44"E 1004.21 feet to the TRUE POINT OF BEGINNING of the fence:

thence S86°49'16"E 1971.34 feet to the eastern boundary of the W 1/2, NW 1/4, SE 1/4 of Section 36 comprising approximately 37.95 acres. EXCEPT the N 1/2, N 1/2, NE 1/4, SW 1/4 of Section 36 already given to them.

AND EXCEPT an easement of 40 feet along the eastern boundary and an undivided 1/2 interest in one square acre upon which a well is located in the northeast corner of the W 1/2 of the NW 1/4 of the SE 1/4 of Section 36.

TOGETHER with such additions and deletions as may have occurred through adverse possession around the boundaries of said property.

The above deed is accepted and approved by the Grantees; it being their intention to acquire said premises as joint tenants with right of survivorship and not as community property or as tenants in common.

STATE OF ARIZONA)
County of Maricopa) ss.

Wilbur Lee Baker
Lois June Baker

This instrument was acknowledged before me this 22 day of July 1980 by WILBUR LEE BAKER and LOIS JUNE BAKER.

Lawrence Baker
Notary Public

My commission expires:

4-27-84

Dated this 22th day of July, 1980

Lawrence Baker
Lawrence Baker

STATE OF ARIZONA
County of Maricopa) ss.

This instrument was acknowledged before me this 22 day of July, 1980, by Lawrence Baker

My commission will expire

[Signature]
Notary Public

11624 805

APR 9 - 1976 - II 10

STATE OF ARIZONA
COUNTY OF MARICOPA

I hereby certify that the within instrument was filed and recorded
in DOCKET 11624-805 and indexed in DEEDS

Fee No

861.17

Compared

Photostated

Fee:

400

A

at the request of W. L. Baker

When recorded mail to
Wilbur L. Baker
Rt. 1 Box 70A
Tolleson, Arizona 85353

Witness my hand and official seal.
TOM FREESTONE
Deputy Recorder

By [Signature] Deputy Recorder

Warranty Deed

For the consideration of Ten Dollars, and other valuable considerations, ~~Lawrence~~ Lawrence Baker,
a married man as his sole and separate property, retaining a
Life Estate interest thereof
do hereby convey to Wilbur Lee Baker or Lois June Baker, Husband and Wife
as JTWROS

the following real property situated in Maricopa County, Arizona: approximately 50 acres described
as: SE 1/4 NW 1/4 Section 36 T 2N R1W, and the North 1/2 of the
N 1/2 of NE 1/4 SW 1/4 Section 36 T 2N, R1W of the G & S R B & M.

SUBJECT TO all taxes, assessments, reservations in patents and all easements, rights of way, encumbrances, liens, cov-
enants, conditions and restrictions as may appear of record.

And I do hereby warrant the title against all persons whatsoever subject to the matters above set forth.

Dated this 1st day of April, 1976

Lawrence Baker

STATE OF ARIZONA
County of Maricopa

This instrument was acknowledged before me
this 1st day of April, 1976 by
Lawrence Baker

STATE OF ARIZONA
County of Maricopa

[Signature] Notary Public
My commission will expire Apr. 1, 1977

This instrument was acknowledged before me
this _____ day of _____, 19____ by

PIONEER NATIONAL TITLE INSURANCE COMPANY
PHOENIX, ARIZONA

Notary Public
My commission will expire

K06

- REAL ESTATE INFORMATION SERVICES -

TRW 501-7

501-74-002

TAX PARCEL	OWNER MAILING ADDRESS	MARICOPA	1992	TAX PARCEL						
PROPERTY ADDRESS TITLEHOLDER CONTRACT PURCHASER SEC TWN RNG GRID	CENSUS ZONE	LEGAL DESCRIPTION	PHONE REC-DATE DKT-PG DXT-PG REC-DATE	SALE PRICE / DATE PRIOR SALE / DATE PRIM ASSESS SEC ASSESS	TI VC TI VC LCIC DESCRIPTION LC IC	PCL SIZE ASNTX TAX AREA PROP TAX YR	TOTAL FCV LAND- FCV IMPR- FCV TOTAL LIM			
36 2N 1W		(36 2N 1W) PT E2 SW4 BEG 420' W OF COR SD SEA SEA SW4 TH RUN N 210' TH E 420' TH S 210' TH W 420' TO BEG EX S 40' 1.64 AC						501-75-014		
TYPE OF IMPROVEMENT		BLDG SF	YR	HEATING	A/C	EXT WL	GRADE	CONDITION	IMP FCV	
R-3 RESIDENTIAL		1,024	48	NONE	EVAP	1	FAIR	AVERAGE	823,674	
501-74-0039	2304 N 119 AVE PHOENIX AZ85039 PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR BAKER WILBUR LEE & LOIS JUNE	14561- 846	07-22-80							501-75-015
36 2N 1W		(36 2N 1W) PT NE4 SW4 & PT W2 NW4 SEA LY MLY OF FOL DESC LN COM AT CEN SEC TH W 1314.4 2F TH S 1004.21F TO BEG OF LN DESC TH S 860 49M E 1971.34F TO PT ON E LN W2 NW4 SEA & END OF LN DESC EX W2 N2 NE4 SW4 & EX ANY PT LY MLY OF FOL DESC LN COM AT SW COR SEC 1 N M 671.48F TO BEG OF LN DESC TH W 400 25M E 1375.31F TH MELT ALG CUR CONC MLY HAV RA D OF 4464.72F A DIST OF 2244.04F TO END OF LN DESC								501-76-001
TYPE OF IMPROVEMENT		BLDG SF	YR	HEATING	A/C	EXT WL	GR/DE	CONDITION	IMP FCV	
MOBILE HOME IMPR (NOT COMM.)			85				FAIR	AVERAGE	82,924	
501-74-003C	3335 W DURANGO ST PHOENIX AZ85009 PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR FLOOD CONTROL DIST OF MARICOPA COUNTY	16438- 752	11-23-82							501-76-002
36 2N 1W		(36 2N 1W) TH PT W2 NW4 NE4 SW4 LY MLY OF FOL DESC LN COM AT SW COR SEC TH W 671.48F TO BEG OF LN DESC TH N 400 25M E 1375.31F TH MELT ALG CUR CONC MLY HAV RAD OF 4464.72 F A DIST OF 2244.04F TO END OF LN DESC EX ANY PT LY W/IN N2 N2 NE4 SW4								501-76-001
501-74-003B	PO BOX 284 TOLLESON AZ85353 PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR BAKER DELLIT E & EULORA	9145- 402								501-76-001
36 2N 1W		(36 2N 1W) S2 SE4 SW4 EX BEG 420F W OF SE COR SD SEA SEA SW4 TH N 210F E 420F S 210F W 420F TO BEG & EX S 40F N3								501-76-001
501-74-004E	PO BOX 284 TOLLESON AZ85353 PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR BAKER DELLIT E & EULORA	9168- 890								501-76-001
36 2N 1W		(36 2N 1W) N2 OF SE4 SW4								501-76-001
501-74-004H	PO BOX 284 TOLLESON AZ85353 PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR BAKER DELLIT E & EULORA	14561- 847	07-22-80							501-76-001
36 2N 1W		(36 2N 1W) PT NE4 SW4 & PT W2 NW4 SEA LY S OF FOL DESC LN COM AT CEN SEC TH W 1314.42 F TH S 1004.21F TO BEG O F LN DESC TH S 860 49M E 1971.34F TO E LN W2 NW4 SEA & END OF LN DESC								501-76-001
501-74-004J	2304 N 119 AVE PHOENIX AZ85039 PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR BAKER WILBUR LEE & LOIS JUNE	11624- 805	04-09-76							501-76-001
36 2N 1W		(36 2N 1W) HIGH DENSITY AG								501-76-001

L06

COPYRIGHT 1984

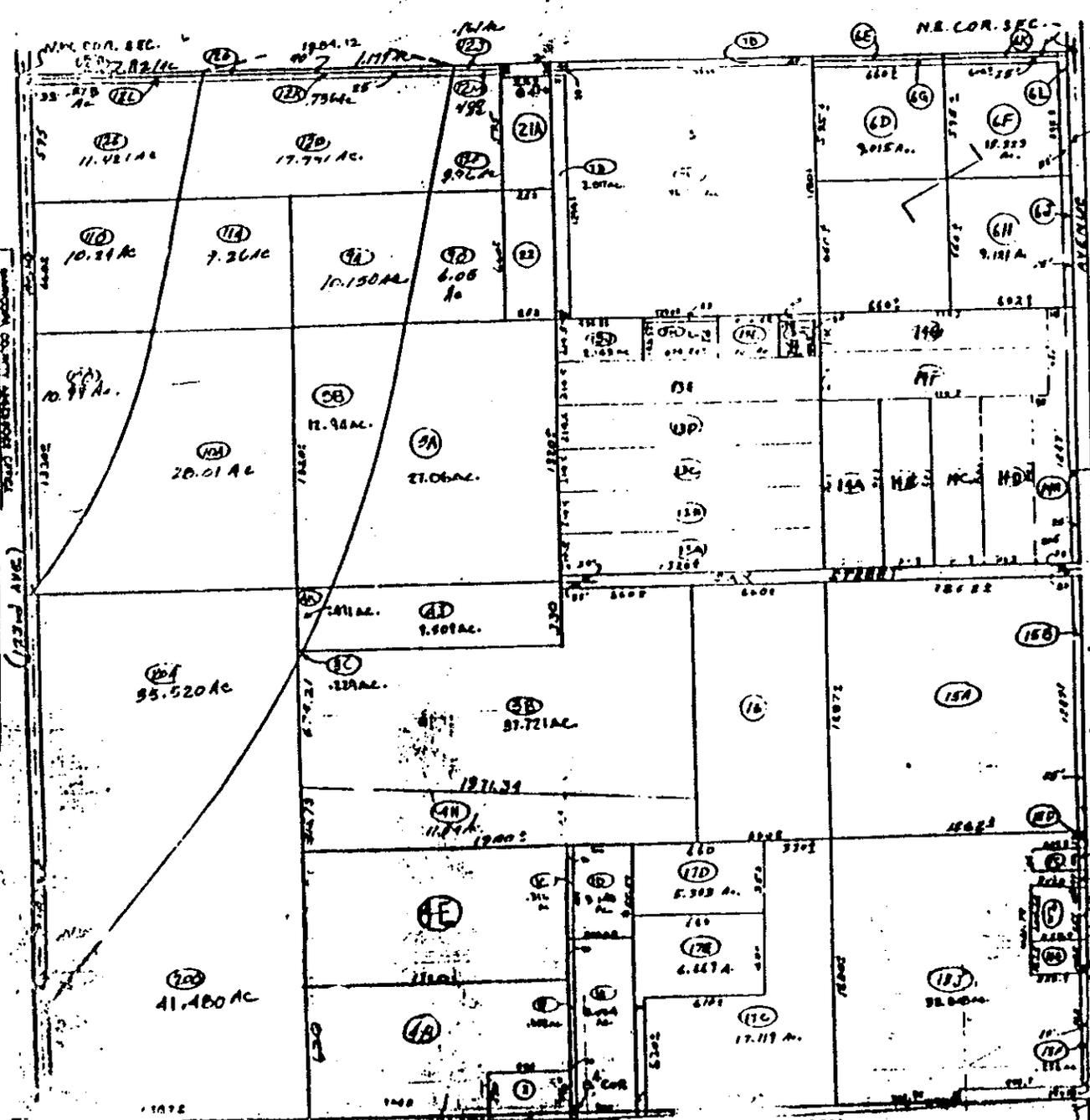
- REAL ESTATE INFORMATION SERVICES -

501-74-004

TRW
501-7

TAX PARCEL		OWNER MAILING ADDRESS				MARICOPA		1992		TOTAL FCV		TAX PARCEL					
PROPERTY ADDRESS	TITLEHOLDER	CONTRACT PURCHASER	SEC TWN	RNG	GRID	CENSUS	ZONE	LEGAL DESCRIPTION	DKT-PG	PHONE REC-DATE	SALE PRICE / DATE	TI VC	PCL SIZE	LAND- FCV	IMPR- FCV	TOTAL LIM	
SEC TWN	RNG	GRID	CENSUS	ZONE	LEGAL DESCRIPTION	DKT-PG	PHONE REC-DATE	SALE PRICE / DATE	TI VC	PCL SIZE	LAND- FCV	IMPR- FCV	TOTAL LIM				
36	2N	1W			(36 2N 1W) N2 N2 NE4 SW4 EX ANY PT LY NWLY OF FOL DESC LN COM AT SW COR SEC TH N 671.4 8F TO BEG OF LN DESC TH N 40D 25M E 1375.31F TH NELY ALG CUR CONC NWLY NAV RAD OF 4464.72F A DIST OF 2244.04F TO END OF LN DESC												501-76-004
501-74-005		3335 W DURANGO ST PHOENIX AZ85009									\$0		.491 AC	\$400			
		PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR									\$0		16.0X	\$400			
		FLOOD CONTROL DIST OF MARICOPA COUNTY				16438-	752	11-23-82			\$60	UNDETERMINED	9200	\$0			
36	2N	1W			(36 2N 1W) TH PT N2 N2 NE4 SW4 LY NWLY OF FOL DESC LN COM AT SW4 SEC TH N 671.48F TO BEG OF LN DESC TH N 40D 25M E 1375.31F TH NELY ALG CUR CONC NWLY NAV RAD OF 4464.72F A DIST OF 2244.04F TO END OF LN DESC						\$65	96 00	\$0.00	\$91			501-76-004
501-74-005A		2304 N 119 AVE PHOENIX AZ85039									\$0		27.060 AC	\$144,989			
		PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR									\$0		14.9X	\$37,343			
		BAKER WILBUR LEE & LOIS JUNE				11624-	805	04-09-76			\$19,315	HIGH DENSITY AG	7900	\$107,646			501-76-004
36	2N	1W			(36 2N 1W) SE4 NW4 EX ANY PT LY NWLY OF FOL DESC LN COM AT SW COR SEC TH N 671.48F TO BEG OF LN DESC TH N 40D 25M E 1375.31F TH NELY ALG CUR CONC NWLY NAV RAD OF 4464.72F A DIST OF 2244.04F TH N 11D 37M E 1572.69F TO N LN SEC 8 END OF LN DESC						\$21,160	45 07	\$2,209.04	\$91			
		TYPE OF IMPROVEMENT				BLDG SF	YR	HEATING	A/C	EXT WL	GRADE	CONDITION	IMP FCV				
		R-2 RESIDENTIAL				912	46	NONE	EVAP	1	MINIMUM	AVERAGE	\$13,084				501-76-004
		R-2 RESIDENTIAL				1,016	16	NONE	EVAP	1	MINIMUM	AVERAGE	\$9,240				
		MISC COMMERCIAL STRUCTURE				711	59	NONE	EVAP	1	FAIR	AVERAGE	\$48,562				
		MISCELLANEOUS IMPROVEMENTS									FAIR	AVERAGE	\$28,025				
		MISCELLANEOUS IMPROVEMENTS									FAIR	AVERAGE	\$8,735				
501-74-005B		3335 W DURANGO ST PHOENIX AZ85009									\$0		12.940 AC	\$29,200			501-76-004
		PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR									\$0		16.0X	\$29,200			
		FLOOD CONTROL DIST OF MARICOPA COUNTY				16438-	752	11-23-82			\$3,765	UNDETERMINED	7900	\$0			
36	2N	1W			(36 2N 1W) TH PT SE4 NW4 LY NWLY OF FOL DESC LN COM AT SW COR SEC TH N 671.48F TO BEG OF LN DESC TH N 40D 25M E 1375.31F TH NELY ALG CUR CONC NWLY NAV RAD OF 4464.72F A DIST OF 2244.04F TH N 11D 37M E 1572.69F TO N LN SEC 8 END OF LN DESC						\$4,670	96 00	\$0.00	\$91			501-76-004
501-74-006A		637 W PALMAIRE PHOENIX AZ85021									\$0		9.015 AC	\$3,834			
		PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR									\$0		16.0X	\$3,834			
		GELLER EARL & FRANCES FRAZIN ETAL TR				86-	288165	06-10-86			\$525	FIELD CROPS	9200	\$0			
36	2N	1W			(36 2N 1W) NW4 NE4 NE4 EX N 65F						\$565	41 00	\$81.10	\$91			501-76-004
501-74-006B		637 W PALMAIRE PHOENIX AZ85021									\$0		.606 AC	\$500			
		PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR									\$0		16.0X	\$500			
		GELLER EARL & FRANCES FRAZIN ETAL TR				86-	288165	06-10-86			\$80	UNDETERMINED	9200	\$0			
36	2N	1W			(36 2N 1W) N 40F OF NW4 NE4 NE4						\$80	88 00	\$11.94	\$91			501-76-004
501-74-006C		637 W PALMAIRE PHOENIX AZ85021									\$0		18.223 AC	\$7,744			
		PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR									\$0		16.0X	\$7,744			
		FRAZIN LAWRENCE N & FRANCES				86-	211743	04-30-86			\$1,060	FIELD CROPS	9200	\$0			
											\$1,135	41 00	\$163.32	\$91			501-76-004

SECTION 36, T-2N R-1W



THOMAS RD.
2900 N.

SCALE 1"=400'

Handwritten notes and a small table on the left side of the map. The table has several columns and rows, with some entries that are partially legible. It appears to be a record of land transactions or survey data.

INDEXED COUNTY ABSTRACT OFFICE
SCALE 1"=400'
REVISIONS

NO.	DATE	BY	REVISION
1	1/15/12
2
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1600 N.

50 YEAR CHAIN OF TITLE REPORT WITH LEASES

ASSESSOR'S NO. 501-74-004E
PORTION OF 501-74-004H

FILE NO. 93-10090

DATED: 3-18-93

BLANK'S TITLE RESEARCH DOES HEREBY REPORT A 50 YEAR CHAIN OF
TITLE TO THE PREMISES DESCRIBED ON EXHIBIT "A". THIS IS A CHAIN
OF TITLE REPORT ONLY AND IS NOT TO BE CONSIDERED AS A COMMITMENT
TO INSURE OR A POLICY FOR TITLE INSURANCE OR ANY FORM OF
WARRANTY OF TITLE. THE TOTAL LIABILITY IS LIMITED TO THE FEE
PAID FOR THIS REPORT.

1. TITLE TO THE ESTATE OR INTEREST COVERED BY THIS REPORT IS
VESTED IN:

DELLIT E. BAKER AND EULORA BAKER, HUSBAND AND WIFE.

2. SEE CHAIN OF TITLE (LEASES) ATTACHED HERETO.

3. THE LAND DESCRIBED IN THIS REPORT IS LOCATED IN MARICOPA
COUNTY, STATE OF ARIZONA AND MORE FULLY SET FORTH ON EXHIBIT
"A".

EXHIBIT A

Parcel No. 1: The North half of the Southeast quarter of the Southwest quarter of Section 36, Township 2 North, Range 1 West, of the Gila and Salt River Base and Meridian, Maricopa County, Arizona.

Parcel No. 2: That portion of the Northeast quarter of the Southwest quarter of Section 36, Township 2 North, Range 1 West, of the Gila and Salt River Base and Meridian, Maricopa County, Arizona which lies south of the fence line found by beginning at the center of said Section 36, thence South 89 degrees 49 minutes 12 seconds West 1314.42 feet, thence South 0 degrees 38 minutes 44 seconds East 1004.21 feet to the TRUE POINT OF BEGINNING of the fence; thence South 89 degrees 49 minutes 16 seconds East 1971.34 feet to the eastern boundary line of the West half of the Northwest quarter of the Southeast quarter of said Section 36.

CHAIN OF TITLE

1. Patent from State of Arizona to W. E. Campbell, dated 7-12-35, recorded 7-16-35 in Book 290 of Deeds, page 513.

2. Patent from State of Arizona to W. E. Campbell, dated 7-12-35, recorded 7-16-35 in Book 290 of Deeds, page 514.

3. Warranty Deed from W. E. Campbell, a bachelor, to Lawrence Baker and Iva Annis Baker, dated 10-5-43, recorded 11-13-43 in Book 398 of Deeds, page 255.

4. Decree of Distribution from Estate of Iva Annice Baker, also known as Iva Annis Baker, also known as Iva Baker, deceased, to Lawrence Baker, dated 6-30-64, recorded 7-9-64 in Docket 5123, page 275.

5. Warranty Deed from Lawrence Baker to Dellit E. Baker and Eulora Baker, husband and wife, dated 1-4-72, recorded 1-7-72 in Docket 9168, page 890.

6. Quit Claim Deed from Lawrence Baker to Dellit E. Baker and Eulora Baker, husband and wife, dated 5-19-80, recorded 7-22-80 in Docket 14561, page 847.

LEASE

1. Lease by and between W. E. Campbell, Lessor, and Carter Oil & Gas Company, Lessee, recorded 5-31-21 in Book 7 of Leases, page 137, and disclosed by instrument recorded 11-13-43 in Book 398 of Deeds, page 255.

STATE OF ARIZONA, County of MARICOPA, JUL 22 1980-1 12, M 220049, In Book 13561, Page 417

Witnessed and attested: Witness my hand and official seal. Contained: BILL HENNY, Notary Public

Quit-Claim Deed

For the consideration of Ten Dollars, and other valuable considerations, I or we, LAWRENCE BAKER a married man in his sole and separate right hereby quit claim to DELLIT E. BAKER and EULORA BAKER, his wife as joint tenants with right of survivorship

all right, title, or interest in the following real property situated in Maricopa County, Arizona.

That portion of the NE 1/4 of the SW 1/4 and that portion of the W 1/2 of the NW 1/4 of the SE 1/4 of Section 36 T2N, R1W, G&SRBM which lies south of the fence line found by beginning at the center of Section 36 thence S 89°049'12"W 1314.42' feet thence S 0°38'44"E 1004.21 feet to the TRUE POINT OF BEGINNING of the fence:

thence S36°49'16"E 1971.34 feet to the eastern boundary of the W 1/2, NW 1/4, SE 1/4 of Section 36 comprising approximately 11.54 acres.

TOGETHER with an easement of 40 feet along the eastern boundary of the northern portion and not including 1/2 interest in one acre upon which a well is located in the northeast corner of the northern portion of the W 1/2 of the NW 1/4 of the SE 1/4 of Section 36;

TOGETHER with such additions and deletions as may have occurred through adverse possession around the boundaries of said property.

The above deed is accepted and approved by the Grantees; it being their intention to acquire said premises as joint tenants with right of survivorship, and not as community property or as tenants in common.

STATE OF ARIZONA County of Maricopa ss. Dellit E. Baker, Eulora Baker

This instrument was acknowledged before me this 10th day of May 1980 by: DELLIT E. BAKER and EULORA BAKER.

Notary Public (Signature)

My commission expires: 4-27-84

Dated this 19th day of May, 1980

Lawrence Baker (Signature)

STATE OF ARIZONA County of Maricopa

This instrument was acknowledged before me this 19th day of May, 1980, by Lawrence Baker

My commission will expire

When recorded return to
Thomas J. Lang,
P.O. Box 471
Phoenix, Az. 85001

0168 1890

04543

0168

WARRANTY DEED OF GIFT

THIS INDENTURE, made this 4 day of August, 1972,
between LAWRENCE BAKER of Maricopa County, Arizona, a married
man in his sole and separate right (hereinafter, GRANTOR), and
DELLIE E. BAKER and EULORA BAKER, his wife, as joint tenants
with right of survivorship and not as tenants in common and
not as community property, (hereinafter, GRANTEES)

WITNESSETH:

The said Grantor, for and in consideration of the love and
affection that he bears toward the grantees, and for the purpose
of making them a gift, does hereby grant and convey unto the
said grantees as joint tenants with right of survivorship and
not as tenants in common and not as community property, that
certain property situate in the County of Maricopa, State of
Arizona, to-wit:

The North half of the Southeast quarter of the
Southwest quarter of Section 36, Township 2
North, Range 1 West, of the Gila and Salt River
Base and Meridian;

EXCEPT easements and rights of way for roadways.

TOGETHER WITH the tenements, hereditaments and appurtenances
whatsoever thereunto belonging or in anywise appertaining; SUBJECT
TO existing taxes, assessments, liens, encumbrances, covenants,
conditions, restrictions, rights of way, and easements of record.

9165 and 801

AND Grantor warrants the title to said property against all persons whomsoever, subject to the matters set forth above.

IN WITNESS WHEREOF, Grantor has hereunto set his hand the day and year first hereinabove written.

Lawrence Baker
Lawrence Baker

STATE OF ARIZONA)
County of Maricopa) ss.

4 The foregoing instrument was acknowledged before me this day of January, 1972, by LAWRENCE BAKER, a married man dealing with his sole and separate property.

WITNESS my hand and official seal the day and year in this certificate written.

Leonard D. Austin
Notary Public

My commission expires:

April 73

The above deed is accepted and approved by the Grantees; to being their intention to acquire said premises as joint tenants with right of survivorship, and not as community property or as tenants in common.

DATED this 4 day of January, 1972.

Bert E. Baker
Bert E. Baker

Eulora Baker
Eulora Baker

(CONTINUED ON NEXT FRAME)

K06

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- REAL ESTATE INFORMATION SERVICES -



501-74-002

501-7

TAX PARCEL		OWNER MAILING ADDRESS				MARICOPA		1992		PCL SIZE		TOTAL FCV		
PROPERTY ADDRESS	TITLEHOLDER	CONTRACT PURCHASER	SEC TWM	RNG	GRID	CENSUS	ZONE	LEGAL DESCRIPTION	SALE PRICE / DATE	DATE	TI	VC	ASMTX	LAND- FCV
SEC TWM	RNG	GRID	CENSUS	ZONE	LEGAL DESCRIPTION	DKT-PG	DKT-PG	PHONE REC-DATE	PRIM ASSESS	LCIC DESCRIPTION	TAX AREA	PROP TAX YR	IMPR- FCV	TOTAL LIM
36	2N	1W						(36 2N 1W) PT E2 SW4 BEG 420' W SE COR SD SEA SEA SW4 TH RUM H 210' TH E 420' TH S 210' TH W 420' TO BEG EX S 40' 1.64 AC						
TYPE OF IMPROVEMENT		BLDG SF	YR	HEATING	A/C	EXT WL	GRADE	CONDITION	IMP FCV					
R-3 RESIDENTIAL		1,024	48	NONE	EVAP	1	FAIR	AVERAGE	\$23,674					
501-74-003B	2304 N 119 AVE PHOENIX AZ85039								\$0				37.721 AC	\$18,955
PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR									\$0				15.7X	\$16,031
BAKER WILBUR LEE & LOIS JUNE		14561- 846	07-22-80						\$2,690	FIELD CROPS			9200	\$2,924
36	2N	1W						(36 2N 1W) PT NE4 SW4 & PT W2 NW4 SEA LY MLY OF FOL DESC LN COM AT CEN SEC TH W 1314.4 2F TH S 1004.21F TO BEG OF LN DESC TH S 86D 49M E 1971.34F TO PT ON E LN W2 NW4 SEA & END OF LN DESC EX N2 N2 NE4 SW4 & EX ANY PT LY MLY OF FOL DESC LN COM AT SW COR SEC 1 H N 671.48F TO BEG OF LN DESC TH N 40D 25M E 1375.31F TH MELT ALG CUR CONC MLY HAV RA D OF 4464.72F A DIST OF 2244.04F TO END OF LN DESC	\$2,800	41 00		\$406.98	91	\$0
TYPE OF IMPROVEMENT		BLDG SF	YR	HEATING	A/C	EXT WL	GR/DE	CONDITION	IMP FCV					
MOBILE HOME IMPR (NOT COMM.)			85				FAIR	AVERAGE	\$2,924					
501-74-003C	3335 W DURANGO ST PHOENIX AZ85009								\$0				.229 AC	\$100
PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR									\$0				16.0X	\$100
FLOOD CONTROL DIST OF MARICOPA COUNTY		16438- 752	11-23-82						\$15	UNDETERMINED			9200	\$0
36	2N	1W						(36 2N 1W) TH PT W2 NW4 NE4 SW4 LY MLY OF FOL DESC LN COM AT SW COR SEC TH N 671.48F TO BEG OF LN DESC TH N 40D 25M E 1375.31F TH MELT ALG CUR CONC MLY HAV RAD OF 4464.72 F A DIST OF 2244.04F TO END OF LN DESC EX ANY PT LY W/IN N2 N2 NE4 SW4	\$15	96 00		\$0.00	91	\$0
501-74-004B	PO BOX 284 TOLLESON AZ85353								\$0				17.148 AC	\$7,289
PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR									\$0				16.0X	\$7,289
BAKER DELLIT E & EULORA		9145- 402							\$490	FIELD CROPS			9200	\$0
36	2N	1W						(36 2N 1W) S2 SEA SW4 EX BEG 420F W OF SE COR SD SEA SEA SW4 TH N 210F E 420F S 210F W 420F TO BEG & EX S 40F RD	\$1,070	41 00		\$112.76	91	\$0
501-74-004E	PO BOX 284 TOLLESON AZ85353								\$0				20.000 AC	\$8,500
PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR									\$0				16.0X	\$8,500
BAKER DELLIT E & EULORA		9168- 890							\$1,160	FIELD CROPS			9200	\$0
36	2N	1W						(36 2N 1W) N2 OF SEA SW4	\$1,250	41 00		\$179.30	91	\$0
501-74-004H	PO BOX 284 TOLLESON AZ85353								\$0				11.540 AC	\$4,904
PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR									\$0				16.0X	\$4,904
BAKER DELLIT E & EULORA		14561- 847	07-22-80						\$670	FIELD CROPS			9200	\$0
36	2N	1W						(36 2N 1W) PT NE4 SW4 & PT W2 NW4 SEA LY S OF FOL DESC LN COM AT CEN SEC TH W 1314.4 2F TH S 1004.21F TO BEG O F LN DESC TH S 86D 49M E 1971.34F TO E LN W2 NW4 SEA & END OF LN DESC	\$720	41 00		\$103.42	91	\$0
501-74-004J	2304 N 119 AVE PHOENIX AZ85039								\$0				9.509 AC	\$13,124
PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR									\$0				16.0X	\$13,124
BAKER WILBUR LEE & LOIS JUNE		11624- 805	04-09-						\$1,545	HIGH DENSITY AG			9200	\$0
									\$1,930	45 07		\$256.88	91	\$0

TAX PARCEL

501-75-014

501-75-015

501-76-001

501-76-002

501-76-003

501-76-004

501-76-005

501-76-006

50 YEAR CHAIN OF TITLE REPORT WITH LEASES

ASSESSOR'S NO. 501-74-009B, 012F, 012M, 020B

FILE NO. 93-10092

DATED: 3-18-93

BLANK'S TITLE RESEARCH DOES HEREBY REPORT A 50 YEAR CHAIN OF TITLE TO THE PREMISES DESCRIBED BELOW. THIS IS A CHAIN OF TITLE REPORT ONLY AND IS NOT TO BE CONSIDERED AS A COMMITMENT TO INSURE OR A POLICY FOR TITLE INSURANCE OR ANY FORM OF GUARANTEE OF TITLE. THE TOTAL LIABILITY IS LIMITED TO THE FEE PAID FOR THIS REPORT.

1. TITLE TO THE ESTATE OR INTEREST COVERED BY THIS REPORT IS VESTED IN:

JACK M. RAYNER, JR., AS PERSONAL REPRESENTATIVE OF THE ESTATE OF JACK M. RAYNER, SR., DECEASED, AS TO AN UNDIVIDED 58.34% INTEREST; AND JACK M. RAYNER, JR., AS TRUSTEE OF THE DALE FAY RAYNER TRUST UNDER AMENDED TRUST AGREEMENT DATED FEBRUARY 3, 1984, AS TO AN UNDIVIDED 41.66% INTEREST.

2. SEE CHAIN OF TITLE (LEASES) ATTACHED HERETO.

3. THE LAND DESCRIBED IN THIS REPORT IS LOCATED IN MARICOPA COUNTY, STATE OF ARIZONA AND MORE FULLY SET FORTH AS ASSESSOR NOS. SHOWN ABOVE.

CHAIN OF TITLE

1. Warranty Deed from J. B. Kay and Angie Kay, husband and wife, to W. E. Campbell, a bachelor, dated 6-11-23, recorded 6-25-23 in Book 174 of Deeds, page 499.
2. Patent from State of Arizona to William E. Campbell, dated 6-8-35, recorded 6-20-35 in Book 290 of Deeds, page 310.
3. Quit Claim Deed from Jules L. Vermeersch to Willie Wise and Dorothy Pearl Wise, dated 11-23-37, recorded 11-23-37 in Book 313 of Deeds, page 248.
4. Quit Claim Deed from Addie Mae Wells, wife of William E. Wells, to William E. Wells, dated 12-20-37, recorded 12-27-37 in Book 313 of Deeds, page 326.
5. Warranty Deed from Jules L. Vermeersch and Rosalie E. Vermeersch, husband and wife, to Willie Wise and Dorothy Pearl Wise, husband and wife, dated 11-3-42, recorded 11-13-42 in Book 377 of Deeds, page 341.
6. Warranty Deed from Willie Wise and Dorothy Pearl Wise, husband and wife, to Andrew R. Wade and Florence Wade, husband and wife, dated 10-23-42, recorded 11-13-42 in Book 377 of Deeds, page 342.
7. Warranty Deed from William E. Wells, also known as W. E. Wells, husband of Addie Mae Wells, to Bert Smith and Louise Smith, husband and wife, dated 6-25-51, recorded 7-12-51 in Docket 776, page 19.
8. Decree of Distribution from Estate of Florence Wade to Andrew R. Wade, dated 6-24-48, recorded 8-4-52 in Docket 968, page 371.
9. Warranty Deed from Bert Smith and Louise Smith, husband and wife, to Margaret L. Jones, dated 3-15-55, recorded 3-29-55 in docket 1582, page 506.
10. Joint Tenancy Deed from Margaret L. Jones to Bert Smith and Louise Smith, husband and wife, dated 3-16-55, recorded 3-29-55 in Docket 1582, page 508.
11. Agreement For Sale from Bert Smith and Louise Smith, husband and wife, to Earl Shipp and Idalee Shipp, husband and wife, dated 3-7-55, recorded 3-29-55 in Docket 1582, page 510.
Pay Off Deed recorded in Docket 2382, page 211.

12. Quit Claim Deed from Jim B. Wooten to A. R. Wade, dated 4-7-55, recorded 4-7-55 in Docket 1592, page 134.

13. Warranty Deed from Earl Shipp and Idalee Shipp, husband and wife, to A. W. Austin and Mary E. Austin, husband and wife, dated 6-8-55, recorded 2-17-56 in Docket 1831, page 359.

14. Quit Claim Deed from Lucille Wooten, wife of Jim B. Wooten, also known as Jim Barden Wooten, to Abbott H. Goldenkoff, Administrator of the Estate of A. R. Wade, dated 4-30-56, recorded 5-15-56 in Docket 1902, page 212.

15. Quit Claim Deed from Rosalie E. Vermeersch, wife of Jules L. Vermeersch, to Abbott H. Goldenkoff, Administrator of the Estate of A. R. Wade, dated 4-19-56, recorded 5-15-56 in Docket 1902, page 214.

16. Administrative Deed from Abbott H. Goldenkoff, Administrator of the Estate of A. R. Wade, to William F. Johns and Anne Yanagisawa Johns, husband and wife, dated 5-8-56, recorded 5-15-56 in Docket 1902, page 218.

17. Warranty Deed from Warren Austin, also known as A. W. Austin, and Mary E. Austin, husband and wife, to John M. Rayner and Dale Fay Rayner, husband and wife, an undivided 1/2 interest, and Nolan Snodgrass, husband of Lola L. Snodgrass, an undivided 1/2 interest, dated 1-10-58, recorded 1-23-58 in Docket 2382, page 212.

18. Agreement for Sale from William F. Johns and Anne Yanagisawa Johns, husband and wife, to Charles M. Gould, husband of Ella M. Gould, as to an undivided 1/2 interest, and Frank G. Weigerding, husband of Marvene Weigerding, as to an undivided 1/2 interest, dated 1-8-58, recorded 2-25-58 in Docket 2409, page 5.
Pay Off Deed recorded in Docket 5953, page 73.

19. Disclaimer Deed from Marvene Weigerding to Frank G. Weigerding, dated 1-8-58, recorded 2-25-58 in Docket 2409, page 8.

20. Disclaimer Deed from Ella M. Gould to Charles M. Gould, dated 1-8-58, recorded 2-25-58 in Docket 2409, page 9.

21. Warranty Deed from Charles M. Gould and Ella M. Gould, husband and wife, and Frank G. Weigerding and Marvene Weigerding, husband and wife, to A-O Realty Co., a partnership consisting of Charles M. Gould, Frank G. Weigerding and Mary Linn, dated 1-2-58, recorded 12-17-58 in Docket 2691, page 37.

22. Warranty Deed from William F. Johns and Anne Yanagisawa Johns, husband and wife, to Willauer Investment Company, an Arizona corporation, dated 1-20-59, recorded 1-27-59 in Docket 2731, page 103.

NOTE: Vendor's interest in Agreement recorded in Docket 2409, page 5.

23. Warranty Deed from Charles M. Gould and Ella M. Gould, husband and wife, and Frank G. Weigerding and Marvene Weigerding, husband and wife, to A-O Realty Co., a partnership consisting of Charles M. Gould, Frank G. Weigerding and Mary Linn, dated 2-12-59, recorded 3-10-59 in Docket 2782, page 500.

24. Warranty Deed from A-O Realty Co., a partnership consisting of Charles M. Gould, Frank G. Weigerding and Mary Linn, to Charles M. Gould and Ella M. Gould, husband and wife, dated 1-8-63, recorded 1-23-63 in Docket 4437, page 336.

25. Agreement For Sale from Charles M. Gould and Ella M. Gould, husband and wife, to Jack M. Rayner and Dale Fay Rayner, husband and wife, dated 10-25-67, recorded 10-31-67 in Docket 6815, page 21.

Pay Off Deed recorded in Docket 15089, page 394.

26. Deed from Charles M. Gould and Ella M. Gould, husband and wife, to Betty J. Jarrell, Virginia L. Gray and Patricia M. Mathis, Trustee under Trust Agreement dated _____, dated 8-11-75, recorded 9-10-75 in Docket 11333, page 432.

NOTE: Vendor's interest in Agreement recorded in Docket 6815, page 21.

27. Warranty Deed from Nolan Snodgrass, husband of Lola L. Snodgrass, to Jack M. Rayner, Sr. and Carol Jane Rayner, husband and wife, dated 3-6-78, recorded 3-16-78 in Docket 12774, page 623.

28. Quit Claim Deed from Jack M. Rayner, Jr., as personal representative of the Estate of Dale Fay Rayner, deceased, to Jack M. Rayner, Jr., as Trustee of the Dale Fay Rayner Trust, dated 12-2-87, recorded 12-31-87 in Document No. 87767452.

29. Tax Waiver on Jack M. Rayner, Sr., deceased, dated 7-28-87, recorded 8-5-88 in Document No. 88217927.

30. Quit Claim Deed from Jack M. Rayner, Jr., as Personal Representative of the Estate of Jack M. Rayner, Sr., deceased, Jack M. Rayner, Jr., as Trustee of the Dale Fay Rayner Trust under amended Trust dated 2-3-84, and Jack M. Rayner, Jr. and Carol Jane Rayner, to Wayne A. Smith, a single man, dated 8-1-89, recorded 8-7-89 in Document No. 89363160.

31. Quit Claim Deed from Wayne A. Smith, a single man, to Jack M. Rayner, Jr., as Personal Representative of the Estate of Jack M. Rayner, Sr., deceased, as to an undivided 58.34% interest; and Jack M. Rayner, Jr., as Trustee of the Dale Fay Rayner Trust under amended Trust Agreement dated February 3, 1984, as to an undivided 41.66% interest, dated 8-1-89, recorded 8-7-89 in Document No. 89363161.

LEASE

1. Lease by and between W. E. Campbell, Lessor, and Carter Oil & Gas Company, Lessee, recorded 5-31-21 in Book 7 of Leases, page 137, and disclosed by instrument recorded 11-13-43 in Book 398 of Deeds, page 255.

. Lease by and between William E. Wells, Lessor, and A. B. Hale, Lessee, recorded 5-7-46 in Book 18 of leases, page 565.

. Unrecorded Lease to Discovery West Ranches Partners, as disclosed by instrument recorded 3-6-92 in Document No. 920118836.

2 OF 4
54

RECORDED IN OFFICIAL RECORDS
OF MARICOPA COUNTY, ARIZONA
AUG 7 1989-9 22
HELEN PURCELL, County Recorder
FEE 13.00 PGS 8

Please return recorded instrument to:

Wayne A. Smith
Robbins & Green, P.A.
1800 Citibank Tower
3300 North Central Avenue
Phoenix, Arizona 85012

89 363167

Q/CL DEED (QD)

AE DISCLS (DA)

THIS DEED IS EXEMPT FROM THE AFFIDAVIT AND FEE REQUIREMENTS OF A.R.S. §42-1612 PURSUANT TO A.R.S. §42-1614(B)(9).

QUIT CLAIM DEED

Effective Date:

August 1, 1989

County and State where Real Property is located:

Maricopa County, Arizona

GRANTOR:

WAYNE A. SMITH, a single man
3300 North Central Avenue
Suite 1800
Phoenix, Arizona 85012

GRANTEE:

JACK M. RAYNER, JR., as Personal Representative of the ESTATE OF JACK M. RAYNER, SR., deceased, as to an undivided 58.34% interest; and JACK M. RAYNER, JR., as Trustee of the DALE PAY RAYNER TRUST under Amended Trust Agreement dated February 3, 1984, as to an undivided 41.66% interest
P.O. Box 100
Zhrenberg, Arizona 85334

Subject Real Property (Address or Location):

Sectional land located between McDowell Road and Indian School Road east of Dysart Road

Subject Real Property (Legal Description):

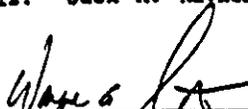
See Exhibit "A" attached hereto for legal description of Subject Property

89 363161

For Valuable Consideration, Grantor quit claims to Grantee all right, title and interest of Grantor in the Subject Real Property, together with all rights and privileges appurtenant or to become appurtenant to the Subject Real Property on the Effective Date.

The following information is provided in compliance with A.R.S. §33-401(c):

The beneficiary of the Dale Fay Rayner Trust under Amended Trust Agreement dated February 3, 1984 is: Jack M. Rayner, Jr., P.O. Box 100, Ehrenberg, Arizona 85334.



Wayne A. Smith

STATE OF ARIZONA)
) ss.
County of Maricopa)

On this 1st day of August, 1989, before me, a Notary Public, personally appeared Wayne A. Smith, known to me or satisfactorily proven to be the person whose name is above subscribed, who acknowledged to me that he executed the foregoing instrument.



Notary Public

My Commission Expires:
5-29-92

EXHIBIT "A"

89 363161

PARCEL NO. 1:

All that portion of the Southeast quarter of the Northeast quarter of Section Twenty-six (26), Township Two (2) North, Range One (1) West of the Gila and Salt River Base and Meridian, Maricopa County, Arizona, described as follows:

BEGINNING at the East quarter corner of said Section 26; thence North 34 degrees 51 minutes East 226.70 feet; thence North 49 degrees 55 minutes West 820 feet to the True Point of Beginning, being the most Northerly corner the land conveyed to FRANK E. RAYNER, by Deed recorded in Book 161 of Deeds, page 430, records of Maricopa County, Arizona; thence North 17 degrees 27 minutes 30 seconds West 122.10 feet to a point on the South right-of-way line of the Roosevelt Irrigation District Canal; thence North 30 degrees 36 minutes West on and along the South right-of-way line of said Roosevelt Irrigation District Canal 786.3 feet; thence Westerly on an 11 degree curve to the left 44.2 feet along the South right-of-way line of Roosevelt Irrigation District Canal to the West line of the Southeast quarter of the Northeast quarter of said Section 26; thence South 532.43 feet, more or less, along the West line of the Southeast quarter of the Northeast quarter of said Section 26 to a point 415.09 feet North of the Southwest corner of said Southeast quarter of the Northeast quarter of Section 26 and being the corner of land of FRANK E. RAYNER; thence North 70 degrees 25 minutes East 863 feet along the North line of RAYNER Land to the True Point of Beginning.

PARCEL NO. 2:

That part of the Southeast quarter of the Northeast quarter of Section Twenty-six (26), Township Two (2) North, Range One (1) West of the Gila and Salt River Base and Meridian, Maricopa County, Arizona, described as follows:

BEGINNING at a point on the East line of said Section 26 distant Northerly 295 feet from the East quarter of said Section 26; thence North 49 degrees 55 minutes West a distance of 451.50 feet; thence North 17 degrees 27 minutes 30 seconds West 122.10 feet to a point on the Southerly line of the Roosevelt Irrigation District right-of-way; thence North 9 degrees 24 minutes East a distance of 40 feet; thence South 80 degrees 36 minutes East along the Southerly line of said right-of-way 531.72 feet to a point on the East line of said Section 26; thence South 0 degrees 00 minutes 50 seconds West on and along said East Section line a distance of 488.32 feet to the Point of Beginning.

PARCEL NO. 3:

Beginning at the East quarter corner of Section Twenty-six (26), Township Two (2) North, Range One (1) West of the Gila and Salt River Base and Meridian, Maricopa County, Arizona; thence West along the South line of the Southeast quarter of the Northeast quarter of said Section 26 a distance of 1320 feet to the Southwest corner of said Southeast quarter of the Northeast quarter; thence North along the West line of said Southeast quarter of the Northeast quarter a distance of 425 feet; thence North 70 degrees 25 minutes East 863 feet; thence South 49 degrees 55 minutes East 820 feet; thence South 32 degrees 56 minutes West 218 feet to the Point of Beginning;

EXCEPT that portion thereof lying within Section 25, Township 2 North, Range 1 West of the Gila and Salt River Base and Meridian, Maricopa County, Arizona.

89 363161

PARCEL NO. 4:

The Northeast quarter of the Southeast quarter of Section Twenty-six (26), Township Two (2) North, Range One (1) West of the Gila and Salt River Base and Meridian, Maricopa County, Arizona.

PARCEL NO. 5A:

That part of the Southwest quarter of the Northwest quarter of Section Twenty-five (25), Township Two (2) North, Range One (1) West of the Gila and Salt River Base and Meridian, Maricopa County, Arizona, described as follows:

BEGINNING at the West quarter corner of said Section 25; thence North 34 degrees 51 minutes East a distance of 226.70 feet; thence North 49 degrees 55 minutes West 168.50 feet to a point on the West line of said Section 25; thence North 0 degrees 00 minutes 55 seconds East on and along the West line of said Section 25, a distance of 488.32 feet to a point on the Southerly line of the Roosevelt Irrigation District right-of-way; thence South 80 degrees 36 minutes East on and along said right-of-way line 662.55 feet; thence South 0 degrees 15 minutes 55 seconds East a distance of 581.75 feet to a point on the East and West mid-section line of said Section 25; thence North 89 degrees 25 minutes West on and along said mid-section line a distance of 653.50 feet to the Point of Beginning;

EXCEPT therefrom that portion lying within the following described property:

COMMENCING at the Southeast corner of said Southwest quarter of the Northwest quarter of said Section 25; thence North (assumed) along the East line of said Southwest quarter of the Northwest quarter a distance of 580.34 feet, more or less to the Southerly right-of-way of the Roosevelt Irrigation District Flume said right-of-way being 100 feet in width; thence North 80 degrees 41 minutes 25 seconds West (recorded North 80 degrees 36 minutes 00 seconds West) along said right-of-way a distance of 715.00 feet; thence South 17 degrees 49 minutes 00 seconds West 723.37 feet, more or less to the South line of said Southwest quarter of the Northwest quarter; thence South 89 degrees 29 minutes 05 seconds East (recorded South 89 degrees 25 minutes 00 seconds East) along said South line of said South line of said Southwest quarter of the Northwest quarter a distance of 926.95 feet, more or less to the Point of Beginning.

PARCEL NO. 5B:

That part of the Southwest quarter of the Northwest quarter of Section Twenty-five (25), Township Two (2) North, Range One (1) West of the Gila and Salt River Base and Meridian, Maricopa County, Arizona, described as follows:

BEGINNING at the West quarter corner of said Section 25; thence North 34 degrees 51 minutes East 226.70 feet; thence North 49 degrees 55 minutes West a distance of 168.50 feet to a point on the West line of said Section 25; thence South on and along said West line of said Section 25 a distance of 295 feet to the Point of Beginning.

PARCEL NO. 6:

The West 433 feet of the Southwest quarter of the Southwest quarter of Section Twenty-five (25), Township Two (2) North, Range One (1) West of the Gila and Salt River Base and Meridian, Maricopa County, Arizona.

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PARCEL NO. 7:

The Southwest quarter of the Northwest quarter of Section Thirty-six (36), Township Two (2) North, Range One (1) West of the Gila and Salt River Base and Meridian, Maricopa County, Arizona;

EXCEPT that portion lying within the following described parcel of land within the Agua Fria River Channel:

BEGINNING at the Southwest corner of said Section; thence along the West Section line North 00 degrees 02 minutes 50 seconds East 571.48 feet to the Southeastery right-of-way line of said Channel and the True Point of Beginning; thence continuing North 00 degrees 02 minutes 50 seconds East 1947.70 feet to the Northwestery right-of-way line of said Channel; thence along said right-of-way line Northeastery 1502.35 feet along a curve concave Northwestery having a radius of 3204.72 feet and an initial tangent bearing of North 38 degrees 29 minutes 22 seconds East; thence along a tangent and along said right-of-way line North 11 degrees 37 minutes 47 seconds East 1324.96 feet to the North line of said Section at a point which bears South 89 degrees 29 minutes 36 seconds East 895.47 feet from the Northwest corner of said Section; thence along said Section; line South 89 degrees 29 minutes 36 seconds East 1284.12 feet to the Southeastery right-of-way of said Channel; thence along said right-of-way line South 11 degrees 37 minutes 47 seconds West 1572.69 feet to a point of curvature; thence Southwestery along said right-of-way line 2244.04 feet along a curve to the right having a radius of 4464.72 feet; thence along a tangent and along said right-of-way line South 40 degrees 25 minutes 39 seconds West 1375.31 feet to the True Point of Beginning.

PARCEL NO. 8:

The South half of the Northwest quarter of the Northwest quarter of Section Thirty-six (36), Township Two (2) North, Range One (1) West of the Gila and Salt River Base and Meridian, Maricopa County, Arizona;

EXCEPT that portion lying within the following described parcel of land within the Agua Fria River Channel:

BEGINNING at the Southwest corner of said Section; thence along the West Section line North 00 degrees 02 minutes 50 seconds East 571.48 feet to the Southeastery right-of-way line of said Channel and the True Point of Beginning; thence continuing North 00 degrees 02 minutes 50 seconds East 1947.70 feet to the Northwestery right-of-way line of said Channel; thence along said right-of-way line Northeastery 1502.35 feet along a curve concave Northwestery having a radius of 3204.72 feet and an initial tangent bearing of North 38 degrees 29 minutes 22 seconds East; thence along a tangent and along said right-of-way line North 11 degrees 37 minutes 47 seconds East 1324.96 feet to the North line of said Section at a point which bears South 89 degrees 29 minutes 36 seconds East 895.47 feet from the Northwest corner of said Section; thence along said Section line South 89 degrees 29 minutes 36 seconds East 1284.12 feet to the Southeastery right-of-way of said Channel; thence along said right-of-way line South 11 degrees 37 minutes 47 seconds West 1572.69 feet to a point of curvature; thence Southwestery along said right-of-way line 2244.04 feet along a curve to the right having a radius of 4464.72 feet; thence along a tangent and along said right-of-way line South 40 degrees 25 minutes 39 seconds West 1375.31 feet to the True Point of Beginning.

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PARCEL NO. 9:

The North half of the North half of the Northwest quarter of Section Thirty-six (36), Township Two (2) North, Range One (1) West of the Gila and Salt River Base and Meridian, Maricopa County, Arizona;

EXCEPT the East 252 feet thereof; and

EXCEPT that portion lying within and East of the East line of the following described parcel of land within the Agua Fria River Channel:

BEGINNING at the Southwest corner of said Section; thence along the West Section line North 00 degrees 02 minutes 50 seconds East 671.48 feet to the Southeasterly right-of-way line of said Channel and the True Point of Beginning; thence continuing North 00 degrees 02 minutes 50 seconds East 1947.70 feet to the Northwesterly right-of-way line of said Channel; thence along said right-of-way line Northeasterly 1502.35 feet along a curve concave Northwesterly having a radius of 3204.72 feet and an initial tangent bearing of North 38 degrees 29 minutes 22 seconds East; thence along a tangent and along said right-of-way line North 11 degrees 37 minutes 47 seconds East 1324.96 feet to the North line of said Section at a point which bears South 89 degrees 29 minutes 36 seconds East 895.47 feet from the Northwest corner of said Section; thence along said Section line South 89 degrees 29 minutes 36 seconds East 1284.12 feet to the Southeasterly right-of-way of said Channel; thence along said right-of-way line South 11 degrees 37 minutes 47 seconds West 1572.69 feet to a point of curvature; thence Southwesterly along said right-of-way line 2244.04 feet along a curve to the right having a radius of 4464.72 feet; thence along a tangent and along said right-of-way line South 40 degrees 25 minutes 39 seconds West 1375.31 feet to the True Point of Beginning.

PARCEL NO. 10:

The Northeast quarter of the Southwest quarter of Section Thirty-five (35), Township Two (2) North, Range One (1) West of the Gila and Salt River Base and Meridian, Maricopa County, Arizona.

PARCEL NO. 11:

The Southeast quarter of the Northeast quarter of Section Thirty-five (35), Township Two (2) North, Range One (1) West of the Gila and Salt River Base and Meridian, Maricopa County, Arizona; and

The West half of the Northeast quarter of Section Thirty-five (35), Township Two (2) North, Range One (1) West of the Gila and Salt River Base and Meridian, Maricopa County, Arizona.

PARCEL NO. 12:

The Southeast quarter of the Northwest quarter of Section Thirty-five (35), Township Two (2) North, Range One (1) West of the Gila and Salt River Base and Meridian, Maricopa County, Arizona.

PARCEL NO. 13:

The East half of the Southeast quarter of Section Thirty-five (35), Township Two (2) North, Range One (1) West of the Gila and Salt River Base and Meridian, Maricopa County, Arizona;

EXCEPT any part thereof lying Southeasterly of the following described line:

BEGINNING at a point on the South line of said Section 35, lying North 89 degrees 39 minutes 52 seconds West 2215.68 feet of the Southeast corner of said Section 35 and being the True Point of Beginning of said line; thence North 40 degrees 25 minutes 39 seconds East 3313.75 feet to a point of curvature; thence Northeasterly along a curve to the left having a radius of 3204.72 feet to the East line of the Section and the termination of said line.

PARCEL NO. 14:

The Northwest quarter of the Southeast quarter of Section Thirty-five (35), Township Two (2) North, Range One (1) West of the Gila and Salt River Base and Meridian, Maricopa County, Arizona.

PARCEL NO. 15:

The Southwest quarter of the Southeast quarter of Section Thirty-five (35), Township Two (2) North, Range One (1) West of the Gila and Salt River Base and Meridian, Maricopa County, Arizona;

EXCEPT any part lying within the following described parcel:

BEGINNING at the Southeast corner of said Section; thence along the South line of said Section North 89 degrees 39 minutes 52 seconds West 568.65 feet to the True Point of Beginning; thence continuing North 89 degrees 39 minutes 52 seconds West 1647.03 feet; thence North 40 degrees 25 minutes 39 seconds East 1313.75 feet to a point of curvature; thence Northeasterly 1000 feet along a curve to the left having a radius of 3204.72 feet to the East line of said Section; thence along said Section line South 00 degrees 02 minutes 50 seconds West 1947.70 feet, said point bears North 00 degrees 02 minutes 50 seconds East 671.48 feet from the Southeast corner of said Section; thence South 00 degrees 25 minutes 39 seconds West 877.73 feet to the True Point of Beginning.

PARCEL NO. 16:

The South half of the Northeast quarter of the Northwest quarter of Section Thirty-six (36), Township Two (2) North, Range One (1) West of the Gila and Salt River Base and Meridian, Maricopa County, Arizona;

EXCEPT the East 252 feet thereof; and

EXCEPT that portion lying within the following described parcel of land within the Agua Fria River Channel:

BEGINNING at the Southwest corner of said Section; thence along the West Section line North 00 degrees 02 minutes 50 seconds East 671.48 feet to the Southeasterly right-of-way line of said Channel and the True Point of Beginning; thence continuing North 00 degrees 02 minutes 50 seconds East 1947.70 feet to the Northwesterly right-of-way line of said Channel; thence along said right-of-way line Northeasterly 1502.35 feet along a curve concave Northwesterly having a radius of 3204.72 feet and an initial tangent bearing of North 38 degrees 29 minutes 22 seconds East; thence along a tangent and along said right-of-way line North 11 degrees 37 minutes 47 seconds East 1324.96 feet to the North line of said Section at a point which bears South 89 degrees 29 minutes 36 seconds East 895.47 feet from the Northwest corner of said Section; thence along said Section line South 89 degrees 29 minutes 36 seconds East 1284.12 feet to the Southeasterly right-of-way of said Channel; thence along said right-of-way line South 11 degrees 37 minutes 47 seconds West 1572.69 feet to a point of curvature; thence Southwesterly along said right-of-way line 2244.04 feet along a curve to the right having a radius of 4464.72 feet; thence along a tangent and along said right-of-way line South 40 degrees 25 minutes 39 seconds West 1375.31 feet to the True Point of Beginning.

89-363161

PARCEL NO. 17:

The North half of the North half of the Northwest quarter of Section Thirty-six (36), Township Two (2) North, Range One (1) West of the Gila and Salt River Base and Meridian, Maricopa County, Arizona;

EXCEPT the East 252 feet thereof; and

EXCEPT that portion lying within and West of the West line of the following described parcel of land within the Agua Fria River Channel:

BEGINNING at the Southwest corner of said Section; thence along the West Section line North 00 degrees 02 minutes 50 seconds East 671.48 feet to the Southeasterly right-of-way line of said Channel and the True Point of Beginning; thence continuing North 00 degrees 02 minutes 50 seconds East 1947.70 feet to the Northwesterly right-of-way line of said Channel; thence along said right-of-way line Northeast 1502.35 feet along a curve concave Northwest having a radius of 3204.72 feet and an initial tangent bearing of North 38 degrees 29 minutes 22 seconds East; thence along a tangent and along said right-of-way line North 11 degrees 37 minutes 47 seconds East 1324.96 feet to the North line of said Section at a point which bears South 89 degrees 29 minutes 36 seconds East 895.47 feet from the Northwest corner of said Section; thence along said Section line South 89 degrees 29 minutes 36 seconds East 1284.12 feet to the Southeasterly right-of-way of said Channel; thence along said right-of-way line South 11 degrees 37 minutes 47 seconds West 1572.69 feet to a point of curvature; thence Southwesterly along said right-of-way line 2244.04 feet along a curve to the right having a radius of 4464.72 feet; thence along a tangent and along said right-of-way line South 25 degrees 25 minutes 39 seconds West 1375.31 feet to the True Point of Beginning.

PARCEL NO. 18:

The West half of the Southwest quarter of Section Thirty-six (36), Township Two (2) North, Range One (1) West of the Gila and Salt River Base and Meridian, Maricopa County, Arizona;

EXCEPT that portion lying within the following described parcel of land within the Agua Fria River Channel:

BEGINNING at the Southwest corner of said Section; thence along the West Section line North 00 degrees 02 minutes 50 seconds East 671.48 feet to the Southeasterly right-of-way line of said Channel and the True Point of Beginning; thence continuing North 00 degrees 02 minutes 50 seconds East 1947.70 feet to the Northwesterly right-of-way line of said Channel; thence along said right-of-way line Northeast 1502.35 feet along a curve concave Northwest having a radius of 3204.72 feet and an initial tangent bearing of North 38 degrees 29 minutes 22 seconds East; thence along a tangent and along said right-of-way line North 11 degrees 37 minutes 47 seconds East 1324.96 feet to the North line of said Section at a point which bears South 89 degrees 29 minutes 36 seconds East 895.47 feet from the Northwest corner of said Section; thence along said Section line South 89 degrees 29 minutes 36 seconds East 1284.12 feet to the Southeasterly right-of-way of said Channel; thence along said right-of-way line South 11 degrees 37 minutes 47 seconds West 1572.69 feet to a point of curvature; thence Southwesterly along said right-of-way line 2244.04 feet along a curve to the right having a radius of 4464.72 feet; thence along a tangent and along said right-of-way line South 25 degrees 25 minutes 39 seconds West 1375.31 feet to the True Point of Beginning.

PARCEL NO. 19:

The East half of the Southeast quarter of Section Thirty-five (35), Township Two (2) North, Range One (1) West of the Gila and Salt River Base and Meridian, Maricopa County, Arizona;

EXCEPT any part thereof lying Northwesterly of the following described line:

BEGINNING at a point on the South line of said Section 35 lying North 89 degrees 39 minutes 52 seconds West 568.65 feet of the Southeast corner of said Section 35 and being the True Point of Beginning of said line; thence North 40 degrees 25 minutes 39 seconds East 877.73 feet to the East line of said Section 35 and the termination of said line.

- REAL ESTATE INFORMATION SERVICES -



501-74-012

TRW
501-77

TAX PARCEL	OWNER MAILING ADDRESS	PHONE	1992	TOTAL FCV	TAX PARCEL	
PROPERTY ADDRESS	GRID CENSUS ZONE LEGAL DESCRIPTION	REC-DATE	DATE TI VC PCL SIZE ASMTX TAX AREA	LAND-FCV IMPR-FCV TOTAL LIM		
TITLEHOLDER		REC-DATE	DATE TI VC PCL SIZE ASMTX TAX AREA	LAND-FCV IMPR-FCV TOTAL LIM		
CONTRACT PURCHASER			DATE TI VC PCL SIZE ASMTX TAX AREA	LAND-FCV IMPR-FCV TOTAL LIM		
SEC TWM RNG			DATE TI VC PCL SIZE ASMTX TAX AREA	LAND-FCV IMPR-FCV TOTAL LIM		
501-74-012H	P O BOX 100 EHREMBERG AZ85334 PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR RAYNER JACK M JR TR	89-363161 08-07-89	30 30 \$230 \$735	.821 AC 16.0X 7900 \$44.06 91	\$4,920 \$4,920 \$0 \$0	501-77-010
	(36 2N 1W) TH PT OF N 40F OF N2 N2 N4 LY W OF W BDY OF PARC DESC IN D/P 16112-181 EX W 33F					
501-74-012J	P O BOX 100 EHREMBERG AZ85334 PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR RAYNER JACK M JR TR	89-363161 08-07-89	30 30 \$25 \$25	.161 AC 25.0X 7900 \$2.90 91	\$100 \$100 \$0 \$0	
	(36 2N 1W) TH PT OF N 40F OF N2 N2 N4 LY E OF E BDY OF PARC DESC IN D/P 16112-181 EX E 84 YDS TH/OF					
501-74-012K	3335 W DURANGO PHOENIX AZ85009 PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR MARICOPA COUNTY FLOOD CONTROL DIST	16112-181 06-24-82	30 30 \$270 \$270	.736 AC 16.0X 7930 \$0.00 91	\$1,709 \$1,709 \$0 \$0	501-77-011
	(36 2N 1W) TH PT OF S 25F OF N 65F OF N2 N2 N4 AS DESC IN D/P 16112-181					
501-74-012L	P O BOX 100 EHREMBERG AZ85334 PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR RAYNER JACK M JR TR	89-363161 08-07-89	30 30 \$145 \$490	.513 AC 16.0X 7930 \$28.44 91	\$3,060 \$3,060 \$0 \$0	501-77-012A
	(36 2N 1W) TH PT OF S 25F OF N 65F OF N2 N2 N4 LY W OF W BDY OF PARC DESC IN D/P 16112-181 EX W 33F					
501-74-012M	P O BOX 100 EHREMBERG AZ85334 PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR RAYNER JACK M JR TR	89-363161 08-07-89	30 30 \$15 \$15	.100 AC 25.0X 7930 \$1.80 91	\$62 \$62 \$0 \$0	501-77-012C
	(36 2N 1W) TH PT OF S 25F OF N 65F OF N2 N2 N4 LY E OF E BDY OF PARC DESC IN D/P 16112-181 EX E 84 YDS					
501-74-013A	P O BOX 306 TOLLESON AZ85353 11710 W ENCANTO TREGUBOFF PETER J & BETTIE J CO TR	88-428657 08-30-88	30 30 \$11,775 \$11,775	.000 AC 11.4X 9200 \$1,477.10 91	\$119,171 \$4,314 \$114,857 \$0	501-77-012D
	(36 2N 1W) N 214.5F OF S 247.5F SW4 NE4					
501-74-013B	P O BOX 306 TOLLESON AZ85353 PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR TREGUBOFF PETER J & BETTIE J CO TR	88-428657 08-30-88	30 30 \$380 \$405	6.500 AC 16.0X 9200 \$58.42 91	\$2,763 \$2,763 \$0 \$0	501-77-012E
	(36 2N 1W) N 214.5F OF S 462F SW4 NE4					
501-74-013C	P O BOX 306 TOLLESON AZ85353 PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR TREGUBOFF PETER J & BETTIE J CO TR	88-428657 08-30-88	30 30 \$380 \$405	6.500 AC 16.0X 9200 \$58.42 91	\$2,763 \$2,763 \$0 \$0	501-77-013A
	(36 2N 1W) N 214.5F S 676.5F SW4 NE4					



- REAL ESTATE INFORMATION SERVICES -



501-74-020

501-

TAX PARCEL		OWNER MAILING ADDRESS		MARICOPA		1992		SALE PRICE / DATE		TI VC		PCL SIZE		TOTAL FCV	
PROPERTY ADDRESS	TITLEHOLDER	PHONE	REC-DATE	SALE PRICE	DATE	TI	VC	ASMTX	LAND- FCV	IMPR- FCV	TOTAL LIM				
CONTRACT PURCHASER	SEC TWN RNG GRID	DKT-PG	REC-DATE	PRIM ASSESS	DATE	LCIC	DESCRIPTION	TAX AREA	PROP TAX	YR					
SEC TWN RNG GRID	CENSUS ZONE	LEGAL DESCRIPTION		SEC ASSESS	LC IC										
501-74-020A	3335 W DURANGO PHOENIX AZ85009			\$0				32.520 AC	\$79,900						
	PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR			\$0				16.0X	\$79,900						
	MARICOPA COUNTY FLOOD CONTROL DIST	16112-	181 06-24-82	\$10,360	UNDETERMINED			9200	\$0						
	36 2N 1W	(36 2N 1W) TH PT W2 SW4 LY W/IN FOL DESC PARC BEG SW COR SEC TH N 671.48F TPOB TH CONT N 1947.70F TH NELY ALG CUR CONC NWLY HAV RAD OF 3204.72F & INITIAL TAN BRG OF N 38D 2 9M E 1502.35F TH N 11D 37M E 1324.96F TO N LN SEC TH E 1284.12F TH S 11D 37M W 1572.69 F TH SWLY ALG CUR TO RT HAV RAD OF 4464.72F 2244.04F TH S 40D 25M W 1375.31F TO TPOB E X S 40F & EX W 33F		\$12,785	96 00			80.00 91	\$0						
501-74-020B	P O BOX 100 EHRENBURG AZ85334			\$0				44.480 AC	\$43,293						
	PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR			\$0				16.0X	\$42,923						
	RAYNER JACK M JR TR	89-363161	08-07-89	\$12,465	FIELD CROPS			9200	\$370						
	36 2N 1W	(36 2N 1W) W2 SW4 EX ANY PT TH/OF LY W/IN FOL DESC PARC BEG SW COR SEC TH N 671.48F TP OB TH CONT N 1947.70F TH NELY ALG CUR CONC NWLY HAV RAD OF 3204.72F & INITIAL TAN BRG OF N 38D 29M E 1502.35F TH N 11D 37M E 1324.96F TO N LN SEC TH E 1284.12F TH S 11D 37M W 1572.69F TH SWLY ALG CUR TO RT HAV RAD OF 4464.72F 2244.04F TH S 40D 25M W 1375.31F TO TPOB & EX S 40F & EX W 33F		\$42,760	41 00			\$3,929.78 91	\$0						
	TYPE OF IMPROVEMENT		BLDG SF	YR	HEATING	A/C	EXT WL	GRADE	CONDITION	IMP FCV					
	MISCELLANEOUS IMPROVEMENTS			73				FAIR	AVERAGE	\$370					
501-74-021A	RT 1 BOX 760 TOLLESON AZ85353			\$0				3.380 AC	\$155,715						
	PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR			\$0				12.0X	\$5,000						
	WOOTEN ROBERT & PEGGY	85-586531	12-11-85	\$20,270	MIXED COMPLEX			7900	\$150,715						
	36 2N 1W	(36 2N 1W) E 84 YDS OF N2 NE4 NW4 EX N 75' RD 3.38 AC		\$20,270	03 10			\$2,329.26 91	\$0						
	TYPE OF IMPROVEMENT		BLDG SF	YR	HEATING	A/C	EXT WL	GRADE	CONDITION	IMP FCV					
	MISCELLANEOUS IMPROVEMENTS			74				FAIR	AVERAGE	\$10,796					
	R-3 RESIDENTIAL		2,871	74	FORCED	REFRIG	1	FAIR	AVERAGE	\$83,240					
	R-3 RESIDENTIAL		992	70	FORCED	REFRIG	1	FAIR	AVERAGE	\$56,679					
501-74-022	RT 1 BOX 760 TOLLESON AZ85353			\$0				3.800 AC	\$5,800						
	PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR			\$0				16.0X	\$5,800						
	WOOTEN ROBERT & PEGGY	85-586531	12-11-85	\$870	VCT LTD OR NO DEV PT			7900	\$0						
	36 2N 1W	(36 2N 1W) E 84 YDS OF S2 NE4 NW4 3.80 AC		\$930	00 85			\$101.90 91	\$0						
501-75-001J	2828 N CENTRAL AVE STE 900 PHOENIX AZ85004			\$0				397.563 AC	\$131,196						
	PROPERTY ADDRESS NOT AVAILABLE FROM ASSESSOR			\$0				16.0X	\$131,196						
	SUNCOR DEVELOPMENT	86-728397	12-31-86	\$23,090	FIELD CROPS			7981	\$0						
	34 2N 1W	(34 2N 1W) TH PT SEC 34 DAF BEG NW COR SEC TH E 3070.45F TH S 3950.09F TH W 65F TH S 5 81.34F TO N LN PROP P/D 14185-736 TH W ALG SD N LN 386.60F TO NW COR SD PROP TH S 670F TH E 860.01F TH S 80F TO S LN SEC TH W ALG SD S LN 3476.15F TO SW COR SEC TH N ALG W LN SEC 5280.76F H/L TO POB EX WELLSITE 34-B & EX N 40F TH/OF & EX W 33F TH/OF & EX S 5 SF RD & EX 55F RD PER MCR 200/32 & EX 18F X 20F TRI IN SW COR TH/OF		\$24,810	41 00			\$3,284.42 91	\$0						

TAX PARCE

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REAL ESTATE INFORMATION SERVICES



501-77

501-74-008

MARICOPA

1992

TAX PARCEL	OWNER MAILING ADDRESS	PHONE REC-DATE	SALE PRICE / DATE	TI VC / DATE	PCL SIZE ASMTX TAX AREA	TOTAL FCV LAND-FCV IMPR-FCV TOTAL LIM	TAX PARCEL	PRC
PROPERTY ADDRESS	GRID CENSUS ZONE	LEGAL DESCRIPTION	DATE	LCIC DESCRIPTION	PROP TAX YR			
501-74-008B	1906 N 115TH AVE PHOENIX AZ85039 WOOD ALBERT E & MAREA E	602-936-3466 10700-352 06-17-74	\$0 \$0 \$90 \$100	VACANT, RESIDENTIAL 00 10	.061 AC 10.0X 9230 \$12.44 91	\$1,000 \$1,000 \$0 \$0	501-77-001G	PRC WAI
501-74-008C	1906 N 115TH AVE PHOENIX AZ85039 WOOD ALBERT E & MAREA E	602-936-3466 10700-352 06-17-74	\$0 \$0 \$4,025 \$4,025	SINGLE FAMILY RES. 01 34	.000 AC 10.0X 9200 \$504.94 91	\$37,983 \$7,600 \$30,383 \$0	501-77-001J	PRC WAI
501-74-009A	3335 W DURANGO ST PHOENIX AZ85009 MARICOPA COUNTY FLOOD CONTROL DIST	16112-181 06-24-82	\$0 \$0 \$3,050 \$3,050	UNDETERMINED 96 00	10.150 AC 16.0X 7900 \$0.00 91	\$22,800 \$22,800 \$0 \$0	501-77-001K	PRC WAI
501-74-009B	P O BOX 100 EHREMBERG AZ85334 RAYNER JACK M JR TR	89-363161 08-07-89	\$0 \$0 \$600 \$600	VACANT, UNDETERMINED 00 04	6.050 AC 16.0X 7900 \$48.94 91	\$3,750 \$3,750 \$0 \$0	501-77-001L	PRC WAI
501-74-010A	3335 W DURANGO ST PHOENIX AZ85009 MARICOPA COUNTY FLOOD CONTROL DIST	16112-181 06-24-82	\$0 \$0 \$8,205 \$10,080	UNDETERMINED 96 00	28.010 AC 16.0X 7900 \$0.00 91	\$63,000 \$63,000 \$0 \$0	501-77-001M	PRC WAI
501-74-010B	P O BOX 100 EHREMBERG AZ85334 RAYNER JACK M JR TR	89-363161 08-07-89	\$0 \$0 \$3,075 \$10,550	FIELD CROPS 41 00	10.990 AC 16.0X 7900 \$591.02 91	\$65,940 \$65,940 \$0 \$0	501-77-002D	PRC BEI
501-74-010B	P O BOX 100 EHREMBERG AZ85334 RAYNER JACK M JR TR	89-363161 08-07-89	\$0 \$0 \$3,075 \$10,550	FIELD CROPS 41 00	10.990 AC 16.0X 7900 \$591.02 91	\$65,940 \$65,940 \$0 \$0	501-77-002E	PRC WAI
501-74-010B	P O BOX 100 EHREMBERG AZ85334 RAYNER JACK M JR TR	89-363161 08-07-89	\$0 \$0 \$3,075 \$10,550	FIELD CROPS 41 00	10.990 AC 16.0X 7900 \$591.02 91	\$65,940 \$65,940 \$0 \$0	501-77-002F	PRC WAI
501-74-010B	P O BOX 100 EHREMBERG AZ85334 RAYNER JACK M JR TR	89-363161 08-07-89	\$0 \$0 \$3,075 \$10,550	FIELD CROPS 41 00	10.990 AC 16.0X 7900 \$591.02 91	\$65,940 \$65,940 \$0 \$0	501-77-003	PRC WAI

APPENDIX B
Site Photographs



Site Photographs

PHOTO NO.

DESCRIPTION

1. Southeast corner of property viewing north.
2. Southeast corner of property viewing west.
3. Southwest corner of property viewing north.
4. Southwest corner of property viewing east.
5. Refuse and debris in south center of property.
6. Refuse, tires, and standing water in south center of property.
7. Refuse and landscaping debris in south center of property.
8. Refuse on north end of property.
9. West center of property viewing north.
10. West center of property viewing south.
11. Refuse on west center of property.
12. Tires and standing water on south border of property.



Site Photographs



Photograph #1
Southeast corner of property viewing north.



Photograph #2
Southeast corner of property viewing west.



Site Photographs (cont.)



Photograph #3
Southwest corner of property viewing north.



Photograph #4
Southwest corner of property viewing east.



Site Photographs (cont.)



Photograph #5
Refuse and debris in south center of property.



Photograph #6
Refuse, tires, and standing water in south center of property.



Site Photographs (cont.)



Photograph #7
Refuse and landscaping debris in south center of property.



Photograph #8
Refuse on north end of property.



Site Photographs (cont.)



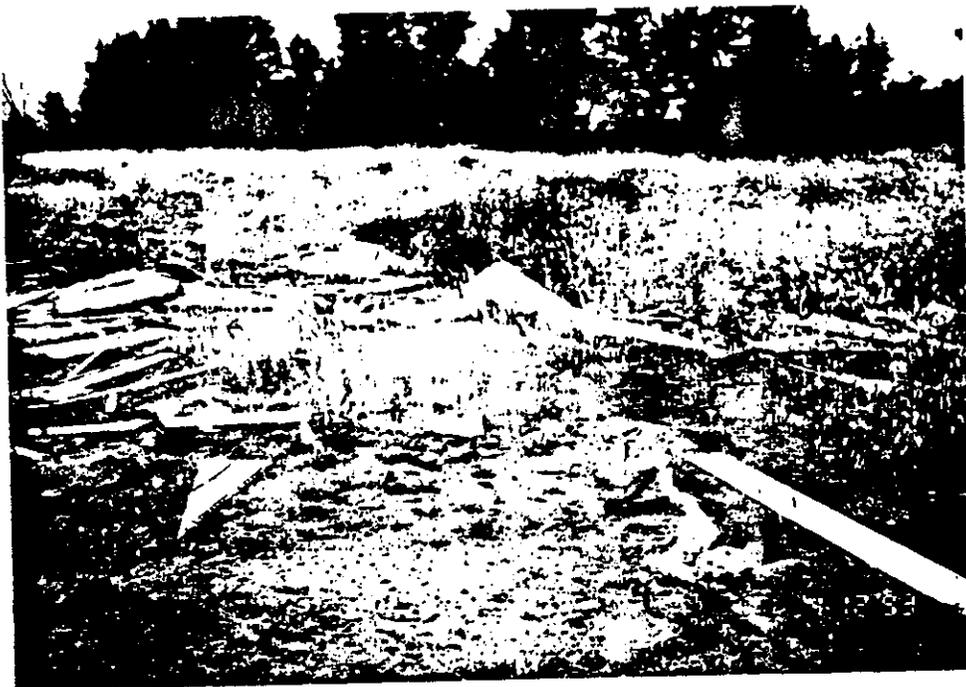
Photograph #9
West center of property viewing north.



Photograph #10
West center of property viewing south.



Site Photographs (cont.)



Photograph #11
Refuse on west center of property.



Photograph #12
Tires and standing water on south border of property.



APPENDIX B

WELL LOGS FROM IMMEDIATE AREA OF RECHARGE SITE



7/30/92

ARIZONA DEPARTMENT OF WATER RESOURCES WELL REPORT
 OPERATIONS DIVISION
 **** WELLS IN LEGAL DESCRIPTION ORDER ****

Q U A D	T O W N	R N G E	S E C T	Q T R 1 2 3	REG NO	WELL DEPTH	DEPTH CASED	CD AI SA EM	WL AE TV EE RL	YIELD (GPM)	DRILL DATE ISSUE DATE	DRL LIC NO.	WATER USE WELL USE	WT EY LP LE	WS AH TE RD	L O G	C O R T	O W N
A	1.0	1.0	06	C B B	55-620400	0397	0389	08	0140	00035	0/00/1976		D	N	06	N	N	P
LEVERTON RT 1 BOX 90 TOLLESON					AZ	85353	.00-				2/05/1982		W					
A	1.0	1.0	06	C C C	55-803006					00000			DF	E	06	N	N	P
VAL-MAR INVESTMENTS 2600 N CENTRAL AVE PHOENIX					AZ	85004	.00-				9/18/1985		W					
A 1.0 1.0 06 C C C					55-528307	0110	0110	08	0075	00000	5/05/1990	215	H	X	06	N	N	P
KOKOSING CONST CO PO BOX 226 FREDRICKTOWN					OH	43019	.00-				5/30/1990		Q					
A 1.0 1.0 06 C C C					55-528308	0110	0110	08	0075	00000	5/07/1990	215	H	X	06	N	N	P
KOKOSING CONST CO PO BOX 226 FREDRICKTOWN					OH	43019	.00-				5/30/1990		Q					
A 1.0 1.0 06 C C C					55-528309	0110	0110	08	0075	00000	9/08/1990	216	H	X	06	N	N	P
KOKOSING CONST CO PO BOX 226 FREDRICKTOWN					OH	43019	.00-				5/30/1990		Q					
A 1.0 1.0 06 C C C					55-528310	0100	0100	04	0075	00000	4/05/1991	475	H	X	06	N	N	P
KOKOSING CONST CO PO BOX 226 FREDRICKTOWN					OH	43019	.00-				5/30/1990		Q					
A	1.0	1.0	06	C D D	55-633223					00000			D	E	06	N	N	P
FLEMING PO BOX 101 AVONDALE					AZ	85323	.00-				5/07/1982		W					

①

WELL DRILLER REPORT

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

1. Owner KOKOSING CONST.
Name

Mailing Address

2. Driller WEBER ENVIRONMENTAL
Name

16825 S. WEBER DR.
Mailing Address

3. Location of well: _____

4. Permit No. 15-528307
(If issued)

DESCRIPTION OF WELL

5. Total depth of hole 110' ft.

6. Type of casing 6" steel

7. Diameter and length of casing 6 in. from 0 to 110', in from _____ to _____.

8. Method of sealing at reduction points _____

9. Perforated from 110' to 50', from _____ to _____, from _____ to _____.

10. Size of cuts 3/8 x 1" Number of cuts per foot _____

11. If screen was installed: Length 30 ft. Diam 4 in. Type PVC

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

13. Date started 06 05 90
Month Day Year

14. Date completed 06 06 90
Month Day Year

15. Depth to water 76' ft. (If flowing well, so state)

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

17. If flowing well, state method of flow regulation: _____

18. Remarks: _____

DO NOT WRITE IN THIS SPACE	
OFFICE RECORD	
REG. No.	<u>[REDACTED]</u>
File No.	<u>A(1-1)6ccc1</u>
Entered	<u>ENTERED JUL 25 1990</u>

DWR-55-55-2/89

RECEIVED
JUL 23 1990
OPERATIONS DIV.

MICROFILMED

MICROFILMED

2

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

WELL DRILLER REPORT

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

1. Owner KOKOSING Const.
Name

Mailing Address

2. Driller WEBER ENVIRONMENTAL
Name

16825 S. WEBER DR.
Mailing Address

3. Location of well: _____

4. Permit No. 55-528308
(If issued)

DESCRIPTION OF WELL

5. Total depth of hole 110' ft.

6. Type of casing 6" STEEL

7. Diameter and length of casing 6 in. from 0 to 110' in from _____ to _____.

8. Method of sealing at reduction points _____

9. Perforated from 110' to 80', from _____ to _____, from _____ to _____.

10. Size of cuts 3/8 x 1 Number of cuts per foot _____

11. If screen was installed: Length 30 ft. Diam 4 in. Type PVC

12. Method of construction Drilled
drilled, dug, driven, bored, jettted, etc

13. Date started 06 06 90
Month Day Year

14. Date completed 06 07 90
Month Day Year

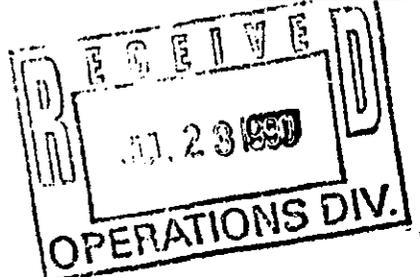
15. Depth to water 78' ft. (If flowing well, so state)

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

17. If flowing well, state method of flow regulation: _____

18. Remarks: _____

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
REG. No. _____
File No. A(1-1)6ccc2
Entered ENTERED JUL 25 1990



3

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

WELL DRILLER REPORT

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

1. Owner KOKOSING Const
Name

Mailing Address

2. Driller WEBER ENVIRONMENTAL
Name
16825 S. WEBER DR.
Mailing Address

3. Location of well: _____

4. Permit No. 55-528308
(If issued)

DESCRIPTION OF WELL

5. Total depth of hole 110' ft.

6. Type of casing 6" STEEL

7. Diameter and length of casing 6 in. from 0 to 110', in from _____ to _____.

8. Method of sealing at reduction points _____

9. Perforated from 110' to 70', from _____ to _____, from _____ to _____.

10. Size of cuts 3/8 x 1 Number of cuts per foot _____

11. If screen was installed: Length 30 ft. Diam 4 in. Type PVC.

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

13. Date started 06 07 90
Month Day Year

14. Date completed 06 08 90
Month Day Year

15. Depth to water 76' ft. (If flowing well, so state)

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

17. If flowing well, state method of flow regulation: _____

18. Remarks: _____

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
REG. No. 326309
File No. A(1-1)6ccc 3
Entered ENTERED JUL 25 1990

DWR-55-55-2/89

RECEIVED
JUL 28 1990
REGISTRATION DIV.

MICROFILMED

7/30/92

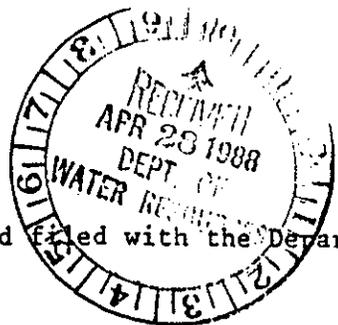
ARIZONA DEPARTMENT OF WATER RESOURCES WELL REPORT
 OPERATIONS DIVISION
 **** WELLS IN LEGAL DESCRIPTION ORDER ****

PAGE 14

QUAD	TOWNSHIP	RANGE	SECTION	QTR	REG NO	WELL DEPTH	DEPTH CASED	CD	WL AE TV EE YIELD (GPM)	DRILL DATE ISSUE DATE	DRL LIC NO.	WATER USE WELL USE	WT EY LP LE	WS AH TE RD	L O G	C O R T	O W N
A	2.0	1.0	32	A C A	55-622177	0422	0422	08	0200 00021	6/04/1968		JD	E	06	N	N	P
RAY PO BOX 335 TOLLESON AZ 85353 .00																	
A	2.0	1.0	32	A C B	55-624792	0520	0480	08	0150 00035	4/17/1971		DJ	E	06	N	N	P
BROWN RT 1 BOX 63 BB TOLLESON AZ 85353 .00																	
A 2.0 1.0 32 A C B 55-62008 0207 0302 08 0140 00025 4/23/1982 360 D E 06 N N P																	
JONES, JESSE 10522 W EARL PHOENIX AZ 85252 .00-																	
A	2.0	1.0	32	A D	55-622896	0500	0000	00	0000 00035	6/15/1970		A	N	06	N	N	P
RUNYON PO BOX 39579 PHOENIX AZ 85069 .00																	
A	2.0	1.0	32	B C	55-634414	0560	0560	08	0141 00010	0/00/1976		D	E	06	N	N	P
REYNOLDS, D.M. INC 22 E VICTORY ST PHOENIX AZ 85040 .00-																	
A 2.0 1.0 32 B D D 55-685929 0350 0000 08 0100 00010 12/01/1980 010 D E 06 N N P																	
SEARLE RT 4 BOX 355 PHOENIX AZ 85031 .00																	
A	2.0	1.0	32	B D D	55-631060	0305	0305	08	0180 00000	0/00/1972		JD	E	06	N	N	P
ANDRUS 10326 W ENCANTO TOLLESON AZ 85353 .00-																	

5

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



WELL DRILLER REPORT

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

- 1. Owner JESSE JONES
10522 W EARL Name Phoenix Az 85252
Mailing Address
- 2. Driller Az Bremen Drilling Co
Box 3370 A.J. Az 85278
Mailing Address
- 3. Location of well: 2N1E32 SE SW NE
- 4. Permit No. 55-520984
(if issued)

DESCRIPTION OF WELL

- 5. Total depth of hole 397 ft.
- 6. Type of casing 6" steel x .188 wall foreign steel
- 7. Diameter and length of casing 10 in. from 0 to 20, 6 in from 0 to 397.
- 8. Method of sealing at reduction points Cement Grout
- 9. Perforated from 100 to 397, from _____ to _____, from _____ to _____ staggered
- 10. Size of cuts 1/16 Number of cuts per foot 6
- 11. If screen was installed: Length _____ ft. Diam _____ in. Type _____
- 12. Method of construction Drilled
drilled, dug, driven, bored, jetted, etc.
- 13. Date started 4 18 88
Month Day Year
- 14. Date completed 4 23 88
Month Day Year
- 15. Depth to water 140 ft. (If flowing well, so state.)
- 16. Describe point from which depth measurements were made, and give sea-level elevation if available _____

- 17. If flowing well, state method of flow regulation: _____
- 18. Remarks: WELL MAKE 500 GPM
plus

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

REG. NO. _____

File No. A(2-1)32acd

Entered **ENTERED APR 28 1988** By _____

MICROFILMED

WELL DRILLER REPORT

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

1. Owner Rodney A Searle Name
Rt 4 Box 355 Phoenix Az 85031 Address

2. Lessee or Operator _____ Name
_____ Address

3. Driller Shelton Pump & Drilling Inc Name
119 7th Ave West Buckeye Az 85326 Address

4. Location of well: SWSNW T2N R1E Sec32

5. Permit No. _____
(if issued)

DESCRIPTION OF WELL

6. Total depth of hole 350' ft.

7. Type of Casing Steel

8. Diameter and length of casing 8" in. from _____ to _____, _____ in from to _____.

9. Method of sealing at reduction points _____

10. Perforated from N/A to N/A, from _____ to _____, from _____ to _____

11. Size of cuts N/A Number of cuts per foot _____

12. If screen was installed: Length N/A ft. Diam _____ in. Type _____

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

14. Date Completed _____
Month _____ day _____ year _____

15. Date Started _____
Month _____ day _____ year _____

16. Depth to water 110 ft. (If flowing well, so state.)

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

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

19. REMARKS: _____

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Registration No. _____

Received _____ By _____

Entered 1-9-81 By RET

File No. A(2-1)32bdc

(Well log to appear on Reverse side)

MICROFILMED



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

Registration No. 95-685929
Owner of _____
Well Site SEARLE
File No. A(2-1)32bdc

COMPLETION REPORT

1. A Completion Report is to be filed with the Department within 30 days after installation of pump equipment.
2. The tested pumping capacity of the well in gallons per minute for a non-flowing well should be determined by measuring the discharge of the pump after continuous operation for at least four hours and for a flowing well by measuring the natural flow at the land surface.
3. Drawdown of the water level for a non-flowing well should be measured in feet after not less than four hours of continuous operation and while still in operation and for a flowing well the shutin pressure should be measured in feet above the land or in pounds per square inch at the land surface.
4. The static groundwater level should be measured in feet from the surface immediately prior to the well capacity test.

LOCATION OF THE WELL:

10432 W Encanto

Date well completed _____ Depth of well 350 FT

1. Well Test:

Test pumping capacity ~~20~~ 12 Date well tested 5 NOV 82
(Gallons per minute)

Method of discharge measurement _____
(Weir, orifice, current meter, et cetera)

Static groundwater level _____ Feet drawdown _____ feet

Total pumping lift _____ Feet drawdown _____ pounds
(flowing well)

2. Equipment Installed:

Kind of pump _____
(Turbine, centrifugal, et cetera)

Kind of power Electric - Horse power rating of motor 1
(Electric, natural gas, et cetera)

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

Judy Searle
Signature

10432 W Encanto
Address

Dec. 30, 19 82 Tolleson Az 85353
Date City State Zip

MICROFILMED

sent out of business. We just installed new pump and this is all the information we ha

7



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

DEPARTMENT OF
WATER RESOURCES

WELL DRILLER REPORT

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

1. Owner MR. C. J. SMITH TRUST
Name
6063 N. 22nd Ave. , Phoenix, Az. 85015
Address

2. Lessee or Operator _____
Name
Address

3. Driller ODOM'S INC.
Name
327 N. 1st Street, Buckeye, Az. 85326
Address

4. Location of well: TWN.2N,RGE.1E,SEC.32,SEWSE.

5. Permit No. 55-510427
(if issued)

DESCRIPTION OF WELL

6. Total depth of hole 425' ft.

7. Type of Casing Steel

8. Diameter and length of casing 8 in. from 0 to 420'7", _____ in from _____ to _____

9. Method of sealing at reduction points _____

10. Perforated from _____ to _____, from _____ to _____, from _____ to _____

11. Size of cuts _____ Number of cuts per foot _____

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

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

14. Date started April 17, 1985
Month day year

15. Date completed May 2, 1985
Month day year

16. Depth to water 100 ft. (If flowing well, so state.)

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

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

19. REMARKS: _____

DO NOT WRITE IN THIS SPACE	
OFFICE RECORD	
Registration No. _____	
Received _____	By _____
Entered <u>5-9-85</u>	By <u>[Signature]</u>
File No. <u>A(2-1)32dbd</u>	

(Well log to appear on Reverse side)

MICROFILMED

7

DEPARTMENT OF WATER RESOURCES
99 East Virginia
Phoenix, Arizona 85004

Registration No. _____
Owner of Well Site C J SMITH TRUST
File No. A(2-1) 32dbd

COMPLETION REPORT

1. Per A.R.S. §45-600, the Completion Report to be filed with the Department within 30 days after installation of pump equipment by the registered well owner.
2. Drawdown of the water level for a non-flowing well should be measured in feet after not less than 4 hours of continuous operation and while still in operation and for a flowing well the shut-in pressure should be measured in feet above the land or in pounds per square inch at the land surface.
3. The static groundwater level should be measured in feet from the land surface immediately prior to the well capacity test.
4. The tested pumping capacity of the well in gallons per minute for a non-flowing well should be determined by measuring the discharge of the pump after continuous operation for at least 4 hours and for a flowing well by measuring the natural flow at the land surface.

LOCATION OF THE WELL:

2 N Township 1 E Range 32 Section SE NW SE



EQUIPMENT INSTALLED:

Kind of pump SP4-18 E FRANKLIN MOTOR
Turbine, centrifugal, etc.
Kind of power ELECTRIC H.P. Rating of Motor 2HP
Electric, natural gas, gasoline, etc.
Pumping Capacity 27.8 Gallons per minute Date installed 6-12-85

WELL TEST:

Test pumping capacity _____ Gallons per minute Date Well Tested 10-4-85

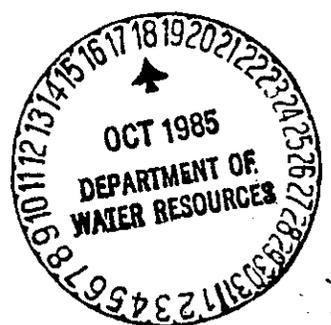
Method of Discharge Measurement 5 GAL BUCKET
Weir, orifice, current meter, etc.

Static Groundwater Level 100 ft. Drawdown 25' ft.
Total Pumping Lift 125 ft. Drawdown _____ lbs
(Flowing Well)

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

DATE 10/14, 1985

Signature [Signature]
Address 5229 N. 7th Ave. #103
City Phoenix, Az State 85013 Zip



D-21-85
S.V.

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

WELL DRILLER REPORT

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

- Owner CITY OF AVONDALE
Name
525 N. CENTRAL AVONDALE, AZ 85323
Mailing Address
- Driller LAYNE-WESTERN COMPANY, INC.
Name
12030 E. BIGGS ROAD CHANDLER, AZ 85249
Mailing Address
- Location of well: T 2 N R 1 E S 32 NE 1/4 SE 1/4 SE 1/4
- Permit No. _____
(if issued)

RECEIVED
SEP 7 1988
DEPT. OF
WATER RESOURCES

DESCRIPTION OF WELL

- Total depth of hole 660 ft.
- Type of casing 16" STEEL
- Diameter and length of casing 16 in. from 0 to 380, 16 in from 640 to 660.
- Method of sealing at reduction points NO REDUCTIONS
- Perforated from _____ to _____, from _____ to _____, from _____ to _____.
- Size of cuts _____ Number of cuts per foot _____
- If screen was installed: Length 200 ft. Diam 16 in. Type JOHNSON .080" SLOT
- Method of construction REVERSE ROTARY DRILLED
drilled, dug, driven, bored, jetted, etc.
- Date started 8 25 88
Month Day Year
- Date completed 8 31 88
Month Day Year
- Depth to water 122 ft. (If flowing well, so state.)
- Describe point from which depth measurements were made, and give sea-level elevation if available GROUND LEVEL
- If flowing well, state method of flow regulation: _____
- Remarks: _____

RECEIVED
SEP 7 1988
HYDROLOGY DIV.

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
REG. NO. _____
File No. A(2-1)32 dda
ENTERED SEP 09 1988
Entered _____ By _____

8

LOG OF WELL

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

From (feet)	To (feet)	Description of formation material
0	3	TOP SOIL
3	40	CLAY WITH SOME CEMENTED SAND & GRAVEL
40	55	SAND, GRAVEL
55	70	CLAY WITH SAND AND GRAVEL STREAKS
70	80	SAND, GRAVEL.
80	90	CLAY
90	100	SAND AND GRAVEL
100	140	GRAVELLY CLAY
140	170	CEMENTED SAND AND GRAVEL
170	200	CEMENTED SAND AND GRAVEL
200	240	SAND, GRAVEL, CLAY
240	260	SANDY CLAY
260	275	SANDY CLAY, SOME GRAVEL
275	295	CEMENTED SAND AND GRAVEL
295	415	SAND AND GRAVEL WITH CLAY STREAKS
415	440	CLAYEY SAND
440	455	SAND WITH SOME GRAVEL
455	480	CLAY WITH SOME GRAVEL
480	505	SAND
505	520	CLAY
520	675	CLAY WITH SMALL SAND/GRAVEL LAYERS

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

Driller LAYNE-WESTERN Co., INC.
Name

12030 E. RIGGS RD.
Address

CHANDLER AZ 85249
City State Zip

Date 9/6/88

7/30/92

ARIZONA DEPARTMENT OF WATER RESOURCES WELL REPORT
 OPERATIONS DIVISION
 **** WELLS IN LEGAL DESCRIPTION ORDER ****

9

Q U A D	T O W N	R N G E	S E C T	Q T R 1 2 3	WELL REG NO	DEPTH DEPTH	DEPTH CASED	CD AI SA EM	WL AE TV EE RL	YIELD (GPM)	DRILL DATE ISSUE DATE	DRL LIC NO.	WATER USE WELL USE	WT EY LP LE	WS AH TE RD	L O G	C R T	O W N
					55-518277					00000	5/16/1982	379	M					
					UNIDYNAMICS/PHX INC 120 S LITCHFIELD RD GOODYEAR AZ 85338	.00-					7/22/1991		Q					
B	1.0	1.0	10 B C C		55-609572	0610	0600	12	0086	00000	1/00/1969		E	N	06	N	N	M
					GOODYEAR, TOWN OF 119 LITCHFIELD RD GOODYEAR AZ 85338	.00-					6/01/1982		W					
B	1.0	1.0	10 B D		55-518277					00000		473	N	Z	07	I	N	P
					EPA REGION 9 215 FREMONT STREET SAN FRANCISCO CA 94105	.00-					6/25/1987 CXL		G					
B	1.0	1.0	10 B D A		55-602774	0300	0300	16	0095	00000	3/17/1960		A	N	06	N	N	F
					AVONDALE ELEMENTARY 235 W WESTERN AVE AVONDALE AZ 85323	28.00					2/10/1982		W					
B	1.0	1.0	10 B D B		55-617171	0385	0375	06	0071	00000			E	N	06	N	N	M
					GOODYEAR, TOWN OF 119 N LITCHFIELD RD GOODYEAR AZ 85338	.00-					6/01/1982		W					
B	1.0	1.0	10 C A		55-518278					00000		473	N	Z	07	I	N	N
					EPA REGION 9 215 FREMONT STREET SAN FRANCISCO CA 94105	.00-					6/25/1987 CXL		G					
B	1.0	1.0	10 C B		55-609185	0000	0000	00	0000	00000			DA	N	06	N	N	P
					SCHULZ, WILLIAM 6221 E CAMELBACK SCOTTSDALE AZ 85251	15.00		R			5/19/1982		W					

9

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

Elev = 780'
(off 7.5" Top)

WELL DRILLER REPORT

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

1. Owner Unidynamics/Phx Inc.
Name
120 S Litchfield Rd. Goodyear, Az. 85338-1295
Mailing Address

2. Driller Stewart Brothers Drilling Co.
Name
P.O. Box 2067 Milan, New Mexico 87021
Mailing Address

3. Location of well: 1N 1W 10 SW NW NW

4. Permit No. _____
(If issued)

DESCRIPTION OF WELL

RECEIVED
MAY 19 1992

5. Total depth of hole 282 ft.

6. Type of casing Low Carbon Steel & Flush Threaded PVC

7. Diameter and length of casing 10 in. from 0 to 130, 6 in from 0 to 280.

8. Method of sealing at reduction points Neat Cement

9. Perforated from 260 to 280, from _____ to _____, from _____ to _____.

10. Size of cuts .020 Number of cuts per foot 576

11. If screen was installed: Length _____ ft. Diam _____ in. Type _____

12. Method of construction Mud rotary
drilled, dug, driven, bored, jetted, etc

13. Date started 5/11/92
Month Day Year

14. Date completed 5/16/92
Month Day Year

15. Depth to water N/A ft. (IF flowing well, so state)

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

17. If flowing well, state method of flow regulation: _____

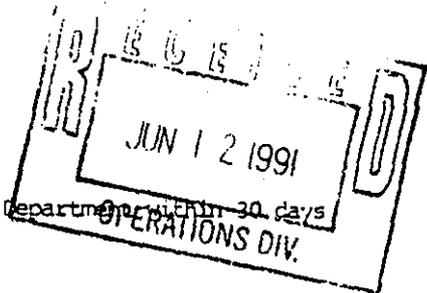
18. Remarks: MW-21, Groundwater
Monitor Well.

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
REG. No. 55-532480
File No. B(1-1)10bbc
Entered ENTERED MAY 27 1992

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



WELL DRILLER REPORT

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

- Owner SOUTHWEST GAS CORP.
Name
9 So. 43RD Ave PHX, AZ 85009
Address
- Driller ASSOCIATED DRILLERS
Name
BOX 4358
HUACHUCA, AZ 85616
Address
602-456-9781
Mailing Address
- Location of well: IN NW 10 NE SW SW
- Permit No. _____
(If issued)

DESCRIPTION OF WELL

- Total depth of hole 260 ft.
- Type of casing ABS
- Diameter and length of casing 6 in. from 0 to 260, _____ in from _____ to _____.
- Method of sealing at reduction points _____
- Perforated from 173 to 260, from _____ to _____, from _____ to _____.
- Size of cuts 1" DIA Number of cuts per foot 6
- If screen was installed: Length _____ ft. Diam _____ in. Type _____
- Method of construction DRILLED
drilled, dug, driven, bored, jetted, etc
- Date started 5 3 91
Month Day Year
- Date completed 5 3 91
Month Day Year
- Depth to water _____ ft. (If flowing well, so state)
- Describe point from which depth measurements were made, and give sea-level elevation if available _____
- If flowing well, state method of flow regulation: _____
- Remarks: _____

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

REG. No. [REDACTED]

File No. B(1-1)10cca

Entered ENTERED JUN 13 1991 By _____

7/30/92

ARIZONA DEPARTMENT OF WATER RESOURCES WELL REPORT
 OPERATIONS DIVISION
 **** WELLS IN LEGAL DESCRIPTION ORDER ****

Page

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Q U A R T E R	T O W N	R A N G E	S E C T	Q 1	T 2	R 3	REG NO	WELL DEPTH	DEPTH CASED	CD AT SA EM	WL AE TV EE RL	YIELD (GPM)	DRILL DATE ISSUE DATE	DRL LIC NO.	WATER USE WELL USE	WT EY LP LE	WS AH TE RD	L O G	C O R T	O R W N	
B	1.0	1.0	10	C	C	D	55-609571	0192	0160	06	0075	00000			E	N	06	N	N	M	
GOODYEAR, TOWN OF 119 N LITCHFIELD RD GOODYEAR AZ 85338												.00-	6/01/1982	W							
B	1.0	1.0	10	D	B		55-628770	0205	0200	06	0110	00000	0/00/1936		D	E	06	N	N	P	
LUDLOW 26 E KINDERMAN DR AVONDALE AZ 85323												M E .00-	2/02/1982	W							
B 1.0 1.0 10 B C A 55-530691 0260 0260 06 0000 5/02/1991 382 N 06 N N M																					
SOUTHWEST GAS CORP 9 S 43RD AVE PHOENIX AZ 85009												.00-	1/23/1991 1 WELL	N							
B	1.0	1.0	10	D	C	C	55-608732	0460	0500	20	0108	01200	0/00/1953		ED	N	06	N	N	M	
AVONDALE, CITY OF 525 N CENTRAL AVE AVONDALE AZ 85323												.00	5/21/1982	W							
B	1.0	1.0	10	D	D	B	55-608731	0456	0500	16	0085	01200	4/03/1949		ED	N	06	N	N	M	
AVONDALE, CITY OF 525 N CENTRAL AVE AVONDALE AZ 85323												.00	5/21/1982	W							
B	1.0	1.0	11	A	A		55-604520	0165	0165	20	0080	01200	0/00/1949		A	N	06	N	N	P	
FLOOD CONTROL DIST 3335 W DURANGO ST PHOENIX AZ 85024												OF MARICOPA COUNTY .58	3/12/1982	W							
B	1.0	1.0	11	A	A	A	55-632880	0500	0500	06	0080	00035	0/00/1942		D	E	06	N	N	P	
COLLIER FARMS LTD PO BOX 327 CASHION AZ 85329												.00-	5/06/1982	W							

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

REGISTRATION
JUN 1 1991
OPERATION 30 days

WELL DRILLER REPORT

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

1. Owner SOUTHWEST GAS CORP.
Name
9 So. 43RD Ave PHE AZ 85009
Mailing Address

2. Driller ASSOCIATED DRILLERS
BOX 4858
HUACHUCA CITY, AZ 85616
602-456-9781
Mailing Address

3. Location of well: 1N 1W 10 NE SW SE

4. Permit No. _____
(If issued)

DESCRIPTION OF WELL

5. Total depth of hole 260 ft.

6. Type of casing ABS

7. Diameter and length of casing 6 in. from 0 to 260, — in from — to —

8. Method of sealing at reduction points —

9. Perforated from 173 to 260, from — to —, from — to —

10. Size of cuts 1" Dia. Number of cuts per foot 6

11. If screen was installed: Length — ft. Diam — in. Type —

12. Method of construction DRILLED
drilled, dug, driven, bored, jetted, etc

13. Date started 5 2 91
Month Day Year

14. Date completed 5 2 91
Month Day Year

15. Depth to water — ft. (If flowing well, so state)

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

17. If flowing well, state method of flow regulation: —

18. Remarks: —

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
REG. No.
File No. B(1-1)10dca
Entered ENTERED JUN 13 1991
By

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STATE OF ARIZONA



Well No 7
DEPARTMENT OF
WATER RESOURCES

WELL DRILLER REPORT

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

1. Owner City of Avondale
Name
City Hall, 525 North Central Avenue, Avondale, AZ 85323
Address
2. Lessee or Operator Layne-Western Company, Inc.
Name
Address
3. Driller Layne-Western Company, Inc.
Name
9002 S. Hardy Drive Tempe, AZ 85284
Address
4. Location of well: Twp 2N, Rge 1W, Sec 23, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$
5. Permit No. Q-501288
(if issued)

DESCRIPTION OF WELL

6. Total depth of hole 530 ft.
7. Type of Casing Steel
8. Diameter and length of casing 18 in. from 0 to 520, _____ in from _____ to _____
9. Method of sealing at reduction points Weld
10. Perforated from _____ to _____, from _____ to _____, from _____ to _____
11. Size of cuts _____ Number of cuts per foot _____
12. If screen was installed: Length 200 ft. Diam 18 in. Type 100 Hycap Johnson
13. Method of construction _____ drilled, dug, driven, bored, jetted, etc.
14. Date started 11 17 81
Month day year
15. Date completed 11 20 81
Month day year
16. Depth to water _____ ft. (If flowing well, so state.)
17. Describe point from which depth measurements were made, and give sea-level elevation if available. Ground level
18. If flowing well, state method of flow regulation _____

19. REMARKS: _____

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Registration No. _____

Received _____ By _____

Entered 12-21-81 By Sf

File No. B(2-1)23 ddd

(Well log to appear on Reverse side)

7/30/92

ARIZONA DEPARTMENT OF WATER RESOURCES WELL REPORT
 OPERATIONS DIVISION
 **** WELLS IN LEGAL DESCRIPTION ORDER ****

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Q	T	R	S	Q	T	REG NO	WELL DEPTH	DEPTH CASED	CD	WL AE TV EE RL	YIELD (GPM)	DRILL DATE ISSUE DATE	DRL LIC NO.	WATER USE WELL USE	WT EY LP LE	WS AH TE RD	L O G	C O R T	O R W	
U	O	N	E	1	2				AI SA EM											
A	W	G	C																	
D	N	E	T																	
B	2.0	1.0	26			55-608798	0600	0600	06	0095	00035	0/00/1950		DJ	E	06	N	N	P	
RAYNER, JACK																				
BOX 100																				
EHRENBERG																				
						AZ	85334					5/19/1982		W						
55-601247-0600 0600 06 0130 00034 11/15/1981 007																				
AVONDALE, CITY OF																				
CITY HALL-525 N CENT																				
AVONDALE																				
						AZ	85323					11/02/1981		W						
B	2.0	1.0	26	A	A	B	55-628740	0200		06	0180	00030	0/00/1957		D	E	06	N	N	P
GRENGER																				
RT 1 BOX 239																				
LITCHFIELD PK																				
						AZ	85340					2/02/1982		W						
B	2.0	1.0	26	A	A	B	55-640419	0200		06	0180	00030	0/00/1957		D	E	06	N	N	P
GRENGER																				
12409 W INDIAN SCHL																				
LITCHFIELD PARK																				
						AZ	85340					7/13/1982		W						
.00- CXL																				
B	2.0	1.0	26	A	C	A	55-607156	0800	0600	20	0132	01288	1/07/1947		A	N	06	N	N	W
ROOSEVELT IRR DISTR																				
PO BOX 95																				
BUCKEYE																				
						AZ	85326					5/06/1982		W						
B	2.0	1.0	26	B	B	D	55-611679	0500	0500	12	0180	00700	4/00/1946	004	D	N	06	N	N	M
LITCHFIELD PK SER CO																				
PO BOX 158																				
LITCHFIELD PARK																				
						AZ	85340					5/26/1982		WU						
.00- ABAND-04-29-91																				
NOT OF ABAND																				
B	2.0	1.0	26	C	A	B	55-520305	0170	0170	04	0096	00000	2/17/1988	473	M	X	06	X	C	P
SUN COR DEV. CO.																				
555 E PLAZA CIRCLE																				
LITCHFIELD PARK																				
						AZ	85340					2/16/1988		O						
.00-																				

11. B

11 B

STATE OF ARIZONA



Well No. 6
DEPARTMENT OF
WATER RESOURCES

WELL DRILLER REPORT

This report should be prepared by the driller in a neat and legible hand and filed with the Department within 30 days following completion of the well.

- 1. Owner City of Avondale Name
City Hall, 525 North Central Avenue, Avondale, AZ 85323 Address
- 2. Lessee or Operator Layne-Western Company, Inc. Name
Address
- 3. Driller Layne-Western Company, Inc. Name
9002 S. Hardy Drive, Tempe, AZ 85284 Address

4. Location of well: Twp 2N. Rge 1W, Section 26, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$

5. Permit No. Q-501247
(if issued)

DESCRIPTION OF WELL

- 6. Total depth of hole 608 ft.
- 7. Type of Casing Steel
- 8. Diameter and length of casing 18 in. from 0 to 604, _____ in from _____ to _____.
- 9. Method of sealing at reduction points Weld
- 10. Perforated from _____ to _____, from _____ to _____, from _____ to _____
- 11. Size of cuts _____ Number of cuts per foot _____
- 12. If screen was installed: Length 240 ft. Diam 18 in. Type #100 Hycap Johnson
- 13. Method of construction Drilled drilled, dug, driven, bored, jetted, etc.
- 14. Date started 11 11 81
Month day year
- 15. Date completed 11 15 81
Month day year
- 16. Depth to water _____ ft. (If flowing well, so state.)
- 17. Describe point from which depth measurements were made, and give sea-level elevation if available. Ground level

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

19. REMARKS:

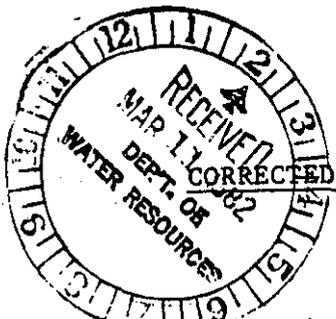
DO NOT WRITE IN THIS SPACE	
OFFICE RECORD	
Registration No. _____	By _____
Received _____	By <u>ms</u>
Entered <u>12-14-81</u>	By _____
File No. <u>B(2-1)26 aaa</u>	

(Well log to appear on Reverse side)

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

Well No 6



Registration No.
Owner of
Well Site City of Avondale
File No. B(2-1)26 aaa

COMPLETION REPORT

1. A Completion Report is to be filed with the Department within 30 days after installation of pump equipment.
2. The tested pumping capacity of the well in gallons per minute for a non-flowing well should be determined by measuring the discharge of the pump after continuous operation for at least four hours and for a flowing well by measuring the natural flow at the land surface.
3. Drawdown of the water level for a non-flowing well should be measured in feet after not less than four hours of continuous operation and while still in operation and for a flowing well the shutin pressure should be measured in feet above the land or in pounds per square inch at the land surface.
4. The static groundwater level should be measured in feet from the surface immediately prior to the well capacity test.

LOCATION OF THE WELL:

Twp. 2N, Rge 1W, Section 26, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$

Date well completed 11-15-81 Depth of well 600'

1. Well Test:

Test pumping capacity 2204 Date well tested 11-23-81
(Gallons per minute)

Method of discharge measurement Orifice
(Weir, orifice, current meter, et cetera)

Static groundwater level 132 Feet drawdown 152 feet

Total pumping lift 284' Feet drawdown pounds
(flowing well)

2. Equipment Installed:

Kind of pump
(Turbine, centrifugal, et cetera)

Kind of power Horse power rating of motor
(Electric, natural gas, et cetera)

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

David Bowen
Signature David Bowen, District Manager

9002 S. Hardy Drive
Address

December 9, , 19 81
Date

Tempe Arizona 85284
City State Zip

7/30/92

ARIZONA DEPARTMENT OF WATER RESOURCES WELL REPORT
 OPERATIONS DIVISION
 **** WELLS IN LEGAL DESCRIPTION ORDER ****

Q U A D	T O W N	R N G E	S E C T	Q 1	T 2	R 3	REG NO	WELL DEPTH	DEPTH CASED	CD AI SA EM	WL AE TV EE RL	YIELD (GPM)	DRILL DATE ISSUE DATE	DRL LIC NO.	WATER USE WELL USE	WT EY LP LE	WS AH TE RD	L O G	C R T	O W N	
B	2.0	1.0	35	B	A	A	55-613664	0000	0000	00	0000	00000			A	N	L8	N	N	P	
							ARGOUD						5/28/1982		W						
							2422 PALM AVE					40.00									
							SAN DIEGO	CA	92154												
B	2.0	1.0	35	D	A	A	55-608793	0867	0867	20	0085	03000	6/00/1977		A	N	06	N	N	P	
							RAYNER						5/19/1982		W						
							PO BOX 146					800.00									
							LITCHFIELD PARK	AZ	85340												
B	2.0	1.0	36				55-800297					00000			A	N	06	N	N	P	
							PETERSON						10/25/1982		W						
							3201 N 64 DR					2.00									
							PHOENIX	AZ	85033												
B	2.0	1.0	36	A	C	A	55-639035	0200	0200	04	0180	00035	7/15/1938		D	E	06	N	N	P	
							KULIKOV						6/10/1982		W						
							9303 W ADAMS ST					.00-									
							TOLLESON	AZ	85303												
B	2.0	1.0	36	A	C	A	55-640406	0425	0004	08	0125	00035	1/08/1980		D	E	06	N	N	P	
							SMILEY						7/13/1982		W						
							2516 N 117TH AVE					.00-									
							TOLLESON	AZ	85353												
B	2.0	1.0	36	A	D		55-603441	0265	0165	20	0068	01600	4/20/1940		A	N	06	N	N	P	
							BRUMMETT						1/25/1982		W						
							2222 N 115TH AVE					60.00									
							PHOENIX	AZ	85039												
							55-500548	0326	0322	08	0097	00680	11/30/1981	004	0	0	0	06	N	N	P
							TREGUBOFF						7/31/1981		W						
							PO BOX 306					.00-									
							TOLLESON	AZ	85353												

12

STATE OF ARIZONA

WELL DRILLING REPORT

DEPARTMENT OF WATER RESOURCES



This report should be prepared by the driller in accordance with the Department's rules and filed with the Department within 30 days following completion of the well.

1. Owner Pete J. Treguboff
Name
P. O. Box 306, Tolleson, Arizona 85353
Address

2. Lessee or Operator _____
Name
Address

3. Driller XXXXXXXXXX Jesse M. Odom
Name
327 N. 1st St. Buckeye, Arizona 85326
Address

4. Location of well: _____

5. Permit No. _____
(if issued)

DESCRIPTION OF WELL

6. Total depth of hole 326 ft.

7. Type of Casing Black steel

8. Diameter and length of casing 8 in. from 0 to 322, _____ in from _____ to _____.

9. Method of sealing at reduction points _____

10. Perforated from _____ to _____, from _____ to _____, from _____ to _____

11. Size of cuts _____ Number of cuts per foot _____

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

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

14. Date started November 16 1981
Month day year

15. Date completed November 30 1981
Month day year

16. Depth to water 103 ft. (If flowing well, so state.)

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

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

19. REMARKS: _____

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
Registration No. 99-300548
Received _____ By _____
Entered 12-10-81 By MZ
File No. B(2-1)36add

(Well log to appear on Reverse side)

12



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

Registration No. _____
Owner of _____
Well Site Pete J Treguboff
File No. B(2-1)36add

COMPLETION REPORT

1. A Completion Report is to be filed with the Department within 30 days after installation of pump equipment.
2. The tested pumping capacity of the well in gallons per minute for a non-flowing well should be determined by measuring the discharge of the pump after continuous operation for at least four hours and for a flowing well by measuring the natural flow at the land surface.
3. Drawdown of the water level for a non-flowing well should be measured in feet after not less than four hours of continuous operation and while still in operation and for a flowing well the shutin pressure should be measured in feet above the land or in pounds per square inch at the land surface.
4. The static groundwater level should be measured in feet from the surface immediately prior to the well capacity test.

LOCATION OF THE WELL:

Chg by Marge 4-25-84
No Pump
No Yield

Date well completed 11-30-81 Depth of well 306

1. Well Test:

Test pumping capacity 41 Date well tested 3/24/82
(Gallons per minute)

Method of discharge measurement Current Meter
(Weir, orifice, current meter, et cetera)

Static groundwater level 97 Feet drawdown 23 feet

Total pumping lift 120 Feet drawdown _____ pounds
(flowing well)

2. Equipment Installed:

Kind of pump Submersible Turbine
(Turbine, centrifugal, et cetera)

Kind of power Elec. Horse power rating of motor 3
(Electric, natural gas, et cetera)

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

Jel Blomquist
Signature

1729 W. Linclon
Address

9/8/82, 19 82
Date

Phoenix Ariz. 85007
City State Zip

9-17-82

7/30/92

ARIZONA DEPARTMENT OF WATER RESOURCES WELL REPORT
 OPERATIONS DIVISION
 **** WELLS IN LEGAL DESCRIPTION ORDER ****

PAGE

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Q U A D	T O W N	R N G E	S E C T	Q 1	T 2	R 3	REG NO	WELL DEPTH	DEPTH CASED	CD AI SA EM	WL AE TV EE RL	YIELD (GPM)	DRILL DATE ISSUE DATE	DRL LIC NO.	WATER USE WELL USE	WT EY LP LE	WS AH TE RD	L O G	C R T	O W N													
B	2.0	1.0	36	B	A	A	55-800766	0250	0200	08	0250	00045	8/00/1970		D	N	06	N	N	P													
WOOTEN RT BOX 76-D TOLLESON																																	
B	2.0	1.0	36	B	B	A	55-608790	0800	0800	18	0085	02500	0/00/1964		A	N	06	N	N	P													
RAYNER PO BOX 146 LITCHFIELD PARK																																	
B	2.0	1.0	36	B	B	A	55-608792	0866	0866	20	0085	03000	7/00/1977		A	N	06	N	N	P													
RAYNER PO BOX 146 LITCHFIELD PARK																																	
55-502221 0300 0300 08 0115 00000 8/00/1982 000																																	
TREGUBOFF PO BOX 306 TOLLESON																																	
55-504654 0925 0640 18 0080 00025 3/20/1983 019																																	
RAYNER PO BOX 146 LITCHFIELDPK																																	
B	2.0	1.0	36	B	D		55-605816	0400	0400	08	0150	00035	0/00/1960		D	N	06	N	N	P													
BAKER RT 1 70A TOLLESON																																	
B	2.0	1.0	36	C	B	A	55-608791	0250	0250	20	0085	01500	0/00/1933		A	N	06	N	N	P													
RAYNER PO BOX 146 LITCHFIELD PARK																																	

13

14

2700

13

WELL DRILLER REPORT

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

1. Owner Pete J & Berrie Traguboff
Name
P O Box 306 Tolleson AZ 85353
Address

2. Lessee or Operator _____
Name
_____ Address

3. Driller ODOM DRILLING
Name
327 N. 1st St., Buckeye, Az. 85326
Address

4. Location of well: Twn. 2N, Rge. 1W, Sec. 36 ??, SW, NW

5. Permit No. 55-502231
(if issued)

DESCRIPTION OF WELL

6. Total depth of hole 383 ft.

7. Type of Casing Steel

8. Diameter and length of casing 8 in. from 0 to 363, _____ in from to _____

9. Method of sealing at reduction points _____

10. Perforated from _____ to _____, from _____ to _____, from _____ to _____

11. Size of cuts _____ Number of cuts per foot _____

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

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

14. Date started June 24, 1982
Month day year

15. Date completed August 5, 1982
Month day year

16. Depth to water 120 ft. (If flowing well, so state.)

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

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

19. REMARKS: _____

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
Registration No. _____
Received _____ By _____
Entered 8-11-82 By [Signature]
File No. B(2-1)36bc

(Well log to appear on Reverse side)



13



Well

Registration No.
Owner of
Well Site Pete J & Bettie Treguboff
File No. B(2-1)36bc

COMPLETION REPORT

1. Completion Report to be filed with the Department within 30 days after installation of pump equipment.
2. The tested pumping capacity of the well in gallons per minute for a non-flowing well should be determined by measuring the discharge of the pump after continuous operation for at least 4 hours and for a flowing well by measuring the natural flow at the land surface.
3. Drawdown of the water level for a non-flowing well should be measured in feet after not less than 4 hours of continuous operation and while still in operation and for a flowing well the shut-in pressure should be measured in feet above the land or in pounds per square inch at the land surface.
4. The static groundwater level should be measured in feet from the land surface immediately prior to the well capacity test.

Chg by Marge 4.25.84
No Pump
No Yield

LOCATION OF THE WELL

Date Well Completed 7/27/82 Depth of Well ~~326~~ 363

1. Well Test:
Test Pumping Capacity 56 - 35 amended Date Well Tested 7/30/82
(Gal. per min.)

Method of Discharge Measurement Current Meter
(weir, orifice, current meter, etc.)

Static Groundwater Level 113 ft. Drawdown 28 ft.
Total Pumping Lift 141 ft. Drawdown _____ lbs.
(Flowing Well)

2. Equipment Installed:

Kind of Pump Submersible Turbine
(turbine, centrifugal, etc.)

Kind of Power Elec. H.P. Rating of Motor 5
(Elec., Nat. Gas, Etc.)

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

Lee Ploumquist
Signature
1729 W. Lincoln
Address

9/8/82, 1982,
Date

Phoenix Ariz. 85007
City State Zip

9-22-82

14

WELL DRILLER REPORT

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

- 1. Owner Jack M. Rayner, PO Box 146, Litchfield Park, AZ 85340
Name
Address
- 2. Lessee or Operator _____
Name
Address
- 3. Driller BC & M DRILLING, INC
Name
1128 S Lewis, Mesa, AZ 85202
Address
- 4. Location of well: Litchfield Park, AZ 85340
- 5. Permit No. Q-504634
(it issued)

DESCRIPTION OF WELL

- 6. Total depth of hole 925 ft.
- 7. Type of Casing 18" x .312 DRI BPE Carbon Steel Water Casing
- 8. Diameter and length of casing 18 in. from 0' to 200', 18 in from 620' to 640'.
- 9. Method of sealing at reduction points 30" surface casing - 40'
- 10. Perforated from 200' to 620', from _____ to _____, from _____ to _____
- 11. Size of cuts 24 row 1/8 x 3' per 1. ft Number of cuts per foot _____
- 12. If screen was installed: Length -- ft. Diam _____ in. Type _____
- 13. Method of construction Reverse Rotary
drilled, dug, driven, bored, jetted, etc.
- 14. Date started 3 7 1983
Month day year
- 15. Date completed 3 20 1983
Month day year
- 16. Depth to water 85' ft. (If flowing well, so state.)
- 17. Describe point from which depth measurements were made, and give sea-level elevation if available. 200' 995' (from 7.5' test)
- 18. If flowing well, state method of flow regulation _____

19. REMARKS: _____

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Registration No.

Received _____ By _____

Entered 4.18.83 By _____

File No. D(2-1) 36 bca

(Well log to appear on Reverse side)



14

FROM (feet)	TO (feet)	Description of formation material
11	20	Rock, sand & gravel
20	60	Rock, gravel
60	60	Rock, clay

LOG OF WELL

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

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL
68	85	Clay, gravel & rock
85	90	Gravel
90	120	Gravel, clay
120	145	Gravel, 5% clay
145	165	Clay
165	180	Fine sand
180	195	Clay
195	205	Red clay
205	215	Clay
215	240	Clay, w/some sand
240	250	Clay, gravel
250	255	Sandy clay, rock
255	265	Gravel, clay
265	275	Gravel
275	360	Clay
360	367	Clay, 5% rock
367	397	Clay
397	400	Clay, sand
400	550	Clay
550	551	Fine sand
551	570	Clay, gravel
570	610	Clay
610	615	Gravel
615	620	Gravel, clay
620	647	Clay
647	650	Red clay
650	660	Gray clay
660	665	Red clay
665	685	Brown clay
685	920	Brown clay
920	925	T.D.

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

Driller

Anthony Dan Chast
Name

1128 S. Lewis, Mesa, AZ 85002
Address

Date April 7, 1983

14



Registration No. [redacted]
Owner of Well Site Jack Ravner
File No. D(2.1)36 bea
B

COMPLETION REPORT

1. Completion Report to be filed with the Department within 30 days after installation of pump equipment.
2. The tested pumping capacity of the well in gallons per minute for a non-flowing well should be determined by measuring the discharge of the pump after continuous operation for at least 4 hours and for a flowing well by measuring the natural flow at the land surface.
3. Drawdown of the water level for a non-flowing well should be measured in feet after not less than 4 hours of continuous operation and while still in operation and for a flowing well the shut-in pressure should be measured in feet above the land or in pounds per square inch at the land surface.
4. The static groundwater level should be measured in feet from the land surface immediately prior to the well capacity test.

LOCATION OF THE WELL

Twp. 2 N Rge 1 W Section 36, NE 1/4 SW 1/4 NW 1/4, County of Maricopa

Date Well Completed 3/20/83 Depth of Well 925'

1. Well Test:
Test Pumping Capacity 2700 GPM Date Well Tested 3/28/83
(Gal. per min.)

Method of Discharge Measurement orifice
(weir, orifice, current meter, etc.)

Static Groundwater Level 80 ft. Drawdown 155 ft.
Total Pumping Lift 235 ft. Drawdown _____ lbs.
(Flowing Well)

2. Equipment Installed:

Kind of Pump turbine
(turbine, centrifugal, etc.)

Kind of Power diesel H.P. Rating of Motor 700 HP
(Elec., Nat. Gas, Etc.)

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

[Signature]
Signature BC & M DRILLING, INC
1128 S Lewis
Address

April 7, 1983
Date

Mesa, AZ 85202
City State Zip

7.15.83

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

WELL DRILLER REPORT

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

1. Owner SOUTHWEST GAS CORP.
9 So. 43rd Ave PHX, AZ 85009
Name
Mailing Address
2. Driller ASSOCIATED DRILLERS
BOX 4358
HUACHUCA CITY, AZ 85616
Name
Mailing Address
3. Location of well: 1N 1W 3 SW SW SE
4. Permit No. _____
(If issued)

DESCRIPTION OF WELL

5. Total depth of hole 260 ft.
6. Type of casing ABS
7. Diameter and length of casing 6 in. from 0 to 260, — in from — to —.
8. Method of sealing at reduction points —
9. Perforated from 173 to 260, from — to —, from — to —.
10. Size of cuts 1" DIA. Number of cuts per foot 6
11. If screen was installed: Length — ft. Diam — in. Type —
12. Method of construction DRILLED
drilled, dug, driven, bored, jetted, etc
13. Date started 5 6 91
Month Day Year
14. Date completed 5 7 91
Month Day Year
15. Depth to water — ft. (If flowing well, so state)
16. Describe point from which depth measurements were made, and give sea-level elevation if available —
17. If flowing well, state method of flow regulation: —
18. Remarks: _____

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

REG. No. 55-530692
File No. B(1-1)3dcc
Entered ENTERED JUN 3 1991

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

19

WELL DRILLER REPORT

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

1. Owner Unidynamics Phoenix Inc.
Name
P.O. Box 2990, Phoenix, AZ 85062-2990
Mailing Address

2. Driller Stewart Brothers Drilling Company #314
Name
P.O. Box 2067, Grants, N.M. 87021
Mailing Address

3. Location of well: T 1 N R 1 W Sec 4 NW, SW, SE

4. Permit No: 55-515918
(if issued)



DESCRIPTION OF WELL

- 5. Total depth of hole 355 ft.
- 6. Type of casing 8 5/8 Steel 185' Sch 80 PVC
- 7. Diameter and length of casing 6 in. from +1 to 355, 8 5/8 in from +1 to 185.
- 8. Method of sealing at reduction points N/A
- 9. Perforated from 300 to 350, from _____ to _____, from _____ to _____.
- 10. Size of cuts .040 Number of cuts per foot 240
- 11. If screen was installed: Length 50 ft. Diam 6 in. Type Sch 80 PVC
- 12. Method of construction Mud rotary
drilled, dug, driven, bored, jetted, etc.
- 13. Date started 11/5/86
Month Day Year
- 14. Date completed 11/7/86
Month Day Year
- 15. Depth to water 45 ft. (If flowing well, so state.)
- 16. Describe point from which depth measurements were made, and give sea-level elevation if available land surface

17. If flowing well, state method of flow regulation: _____
18. Remarks: Monitoring well for Unidynamics

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
Registration No. 55-515918
Received _____ By _____
Entered _____ By _____
File No. B(1-1)4dcb

DEPARTMENT OF WATER RESOURCES

99 East Virginia
Phoenix, Arizona 85004

Registration No. 55-515918

Owner of Well Site UNIDYNAMICS

File No. B(1-1)4dcb

COMPLETION REPORT

1. Per A.R.S. §45-600, the Completion Report to be filed with the Department within 30 days after installation of pump equipment by the registered well owner.
2. Drawdown of the water level for a non-flowing well should be measured in feet after not less than 4 hours of continuous operation and while still in operation and for a flowing well the shut-in pressure should be measured in feet above the land or in pounds per square inch at the land surface.
3. The static groundwater level should be measured in feet from the land surface immediately prior to the well capacity test.
4. The tested pumping capacity of the well in gallons per minute for a non-flowing well should be determined by measuring the discharge of the pump after continuous operation for at least 4 hours and for a flowing well by measuring the natural flow at the land surface.

LOCATION OF THE WELL:

1N 1W 4 00 50 5E
 Township Range Section $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$

EQUIPMENT INSTALLED:

Kind of pump Submersible Grundfos SP4-8
 Turbine, centrifugal, etc.

Kind of power Electric 230V H.P. Rating of Motor 3/4
 Electric, natural gas, gasoline, etc.

Pumping Capacity 20 Date installed 11/24/86
 Gallons per minute

Note: Grundfos SP16-5, 5HP pump temporarily installed for well test and then replaced by equipment listed above as the permanent installation

WELL TEST:

Test pumping capacity 92 Date Well Tested 11/13/86
 Gallons per minute

Method of Discharge Measurement Rockwell totalizing flow meter
 Weir, orifice, current meter, etc.

Static Groundwater Level 88.05 ft. Drawdown 8.85 ft.

Total Pumping Lift 96.9 ft. Drawdown _____ lbs
 (Flowing Well)

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

December 8, 1986
 DATE

[Signature]
 Signature

1000 N. Litchfield Road
 Address

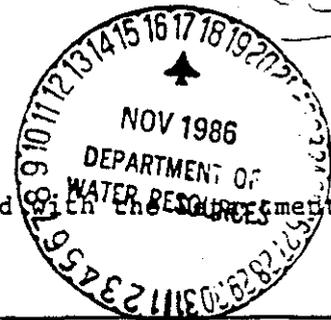
Goodyear AZ 85338
 City State Zip

ENTERED DEC 10 1986

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

WELL DRILLER REPORT

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



1. Owner Unidynamics Phoenix, Inc.
Name
P.O. Box 2990, Phoenix, AZ 85062-2990
Mailing Address
2. Driller Stewart Brothers Drilling Company #314
Name
P.O. Box 2067, Grants, N.M. 87021
Mailing Address
3. Location of well: T 1 N R 1 W Sec 9 NE, SE, NE
4. Permit No: 55-515914
(if issued)

DESCRIPTION OF WELL

5. Total depth of hole 360 ft.
6. Type of casing Sch 80 PVC
7. Diameter and length of casing 6 in. from +1 to 344.5, 8 5/8 in from +1 to 20.
8. Method of sealing at reduction points N/A
9. Perforated from 294.5 to 344.5, from _____ to _____, from _____ to _____.
10. Size of cuts .040 slot Number of cuts per foot 240 ft.
11. If screen was installed: Length 50 ft. Diam 6 in. Type Sch 80 PVC
12. Method of construction Mud rotary
drilled, dug, driven, bored, jetted, etc.
13. Date started 10/28/86
Month Day Year
14. Date completed 10/30/86
Month Day Year
15. Depth to water 45 ft. (If flowing well, so state.)
16. Describe point from which depth measurements were made, and give sea-level elevation if available land surface
17. If flowing well, state method of flow regulation: _____
18. Remarks: Monitoring well for Unidynamics
PLA - RI/PS

DO NOT WRITE IN THIS SPACE	
OFFICE RECORD	
Registration No. <u>55-515914</u>	
Received _____	By _____
Entered _____	By _____
File No. <u>B(1-1) 9ada</u>	

ENTERED NOV 18 1986

DEPARTMENT OF WATER RESOURCES

99 East Virginia
Phoenix, Arizona 85004

Registration No. 55-515914

Owner of Well Site UNIDYNAMICS PHX INC

File No. B(1-1)9ada

COMPLETION REPORT

1. Per A.R.S. §45-600, the Completion Report to be filed with the Department within 30 days after installation of pump equipment by the registered well owner.
2. Drawdown of the water level for a non-flowing well should be measured in feet after not less than 4 hours of continuous operation and while still in operation and for a flowing well the shut-in pressure should be measured in feet above the land or in pounds per square inch at the land surface.
3. The static groundwater level should be measured in feet from the land surface immediately prior to the well capacity test.
4. The tested pumping capacity of the well in gallons per minute for a non-flowing well should be determined by measuring the discharge of the pump after continuous operation for at least 4 hours and for a flowing well by measuring the natural flow at the land surface.

LOCATION OF THE WELL:

1N Township 1W Range 9 Section NE SE NE
1/2, 1/4, 1/2

EQUIPMENT INSTALLED:

Kind of pump Submersible Grundfos SP4-8
Turbine, centrifugal, etc.

Kind of power Electric 230V H.P. Rating of Motor 3/4
Electric, natural gas, gasoline, etc.

Pumping Capacity 20 Date installed 11/24/86
Gallons per minute

Note: Grundfos SP16-5, 5 HP pump temporarily installed for well test and the replaced by equipment listed above as the permanent installation.

WELL TEST: Test pumping capacity 85 Date Well Tested 11/7/86
Gallons per minute

Method of Discharge Measurement Rockwell totalizing flow meter
Weir, orifice, current meter, etc.

Static Groundwater Level 73.98 ft. Drawdown 4.7 ft.

Total Pumping Lift 78.7 ft. Drawdown _____ lbs
(Flowing Well)

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

December 8, 1986
DATE

[Signature]
Signature
1000 N. Litchfield Road
Address
Goodyear AZ 85338
City State Zip

DEPARTMENT OF WATER RESOURCES
99 East Virginia
Phoenix, Arizona 85004

Registration No. 55-510528
Owner of Well Site UNIDYNAMICS PHOENIX INC
File No. B(1-1)9caa

COMPLETION REPORT

1. Per A.R.S. §45-600, the Completion Report to be filed with the Department within 30 days after installation of pump equipment by the registered well owner.
2. Drawdown of the water level for a non-flowing well should be measured in feet after not less than 4 hours of continuous operation and while still in operation and for a flowing well the shut-in pressure should be measured in feet above the land or in pounds per square inch at the land surface.
3. The static groundwater level should be measured in feet from the land surface immediately prior to the well capacity test.
4. The tested pumping capacity of the well in gallons per minute for a non-flowing well should be determined by measuring the discharge of the pump after continuous operation for at least 4 hours and for a flowing well by measuring the natural flow at the land surface.

LOCATION OF THE WELL:

T1W RIW 9 NE NE SW
Township Range Section $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$

EQUIPMENT INSTALLED:

Kind of pump Submersible
Turbine, centrifugal, etc.
Kind of power Electric H.P. Rating of Motor 1/2
Electric, natural gas, gasoline, etc.
Pumping Capacity 28 Date installed 5-2-1985
Gallons per minute



WELL TEST:

Test pumping capacity 25 Date Well Tested 6-20-1985
Gallons per minute
Method of Discharge Measurement time filling of 5 gal. bucket with stopwatch
Weir, orifice, current meter, etc.
Static Groundwater Level 87.48 ft. Drawdown* 4.09 ft.
Total Pumping Lift 92 ft. Drawdown _____ lbs
(Flowing Well)

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

DATE July 2, 1985

Argony G. Lefert AGENT FOR UNIDYNAMICS PHOENIX
Signature
3737 N 7 St. Suite 211
Address
Phoenix Arizona 85014
City State Zip

* measured after 1 hr of pumping

WELL DRILLER REPORT

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

1. Owner UNIDYNAMICS PHOENIX, INC
Name
1000 N LITCHFIELD ROAD GOODYER, ARIZONA
Address

2. Lessee or Operator _____
Name
Address

3. Driller STEWART EDC DRILLING CO
Name
Box 2067 Grants New Mexico 87020
Address

4. Location of well: N 1/4 NE 1/4 SW 1/4

5. Permit No. 2314
(if issued)

DESCRIPTION OF WELL

6. Total depth of hole 450 ft.

7. Type of Casing 9 5/8 STEEL 6 3/4 PVC 30 1/2 90

8. Diameter and length of casing 9 5/8 in. from 0 to 195, 6 3/4 in from 0 to 200.

9. Method of sealing at reduction points _____

10. Perforated from _____ to _____, from _____ to _____, from _____ to _____

11. Size of cuts .04111 Number of cuts per foot 72 SH PER 20 FT

12. If screen was installed: Length 40 ft. Diam 6 3/4 in. Type SAC 90

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

14. Date started 4 11 85
Month day year

15. Date completed 4 17 85
Month day year

16. Depth to water 80' ft. (If flowing well, so state.)

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

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

19. REMARKS: 50' 30' CEMENT 175' DRILL
PIVOT HOLE TO 450 LOG
CEMENT BACK TO 300' HEARM
64' TO 834 TO 240

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
Registration No. 55-510528
Received _____ By _____
Entered 4-30-85 By J
File No. B(1-1)9caa

(Well log to appear on Reverse side)



2



Registration No. 55-509065
Owner of
Well Site ABC Enterprises/JEP Corp.
File No. (2-1)13 dbc

COMPLETION REPORT

1. Completion Report to be filed with the Department within 30 days after installation of pump equipment.
2. The tested pumping capacity of the well in gallons per minute for a non-flowing well should be determined by measuring the discharge of the pump after continuous operation for at least 4 hours and for a flowing well by measuring the natural flow at the land surface.
3. Drawdown of the water level for a non-flowing well should be measured in feet after not less than 4 hours of continuous operation and while still in operation and for a flowing well the shut-in pressure should be measured in feet above the land or in pounds per square inch at the land surface.
4. The static groundwater level should be measured in feet from the land surface immediately prior to the well capacity test.

LOCATION OF THE WELL

TWN. 2N, RGE. 1W, SEC. 13, SW,NW,SE

Date Well Completed 12-19-85 Depth of Well 406'

1. Well Test:
Test Pumping Capacity 290 GPM Date Well Tested 12-5-86
(Gal. per min.)

Method of Discharge Measurement FLO-METER (WATER SPECIALTY)
(weir, orifice, current meter, etc.)

Static Groundwater Level 160 ft. Drawdown 100 ft.
Total Pumping Lift 260 ft. Drawdown _____ lbs.
(Flowing Well)

2. Equipment Installed:

Kind of Pump SUBMERSIBLE
(turbine, centrifugal, etc.)

Kind of Power ELECTRIC H.P. Rating of Motor 20 H.P.
(Elec., Nat. Gas, Etc.)

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

ODOM'S INC.
David Owens
Signature
327 N. 1st Street
Address

12-5-86, 19____
Date

Buckeye, Az. 85326
City State Zip

ENTERED DEC 10 1986

STATE OF ARIZONA

WELL DRILLER REPORT



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

1. Owner ABC ENTERPRISES / JEP CORP.
Name
1804 North 27th Avenue, Phoenix, Arizona 85009
Address
2. Lessee or Operator _____
Name
Address
3. Driller ODON'S INC
Name
327 N. 1st Street, Buckeye, Arizona 85326
Address
4. Location of well: TWN.2N,RGE.1W,SEC.13, SW,NW,SE
5. Permit No. 55-509065
(if issued)

DESCRIPTION OF WELL

6. Total depth of hole 406 ft.
7. Type of Casing Steel
8. Diameter and length of casing 8 in. from 0 to 406 in from _____
to _____
9. Method of sealing at reduction points _____
10. Perforated from 220' to 260', from 340' to 385', from _____ to _____
11. Size of cuts 1/8" x 1/4" w/6 per round Number of cuts per foot 36/'
12. If screen was installed: Length _____ ft. Diam _____ in. Type _____
13. Method of construction Drilled
drilled, dug, driven, bored, jetted, etc.
14. Date started November 14, 1985
Month day year
15. Date completed December 19, 1985
Month day year
16. Depth to water 130 ft. (If flowing well, so state.)
17. Describe point from which depth measurements were made, and give sea-level elevation if available.:
Ground

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

19. REMARKS: _____

DO NOT WRITE IN THIS SPACE OFFICE RECORD	
Registration No. <u>55-509065</u>	
Received _____	By _____
Entered <u>B-26-85</u>	By <u>SV</u>
File No. <u>B(2-1)13 dbc</u>	

(Well log to appear on Reverse side)

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

WELL DRILLER REPORT

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

1. Owner Name: SAMMIE WALKER
Address: 3220 South 125th Ave Avondale, Az. 85323
Street City State Zip
2. Driller Name: ODON'S INC.
Address: 327 N. 1st. St. Buckeye, Az. 85326
Street City State Zip
3. Location: 2 N/S 1 2/W 14 SE 1/4 NW 1/4 NW 1/4
Township Range Section 10-acre 40-acre 160-acre
4. Well Registration No. 55- 533464 (Required)
5. Permit No. _____ (If issued)

DESCRIPTION OF WELL

6. Total depth of hole 400 ft.
7. Type of casing STEEL
8. Diameter and length of casing 6 in. from 0 to 401', _____ in from _____ to _____
9. Method of sealing at reduction points _____
10. Perforated from 300' to _____, from 300 to 380, from _____ to _____
11. Size of cuts 3/16 X 5" 8 Row Number of cuts per foot 16
12. If screen was installed: Length _____ ft. Diam _____ in. Type _____
13. Method of construction DRILLED
(drilled, dug, driven, bored, jetted, etc)
14. Date started NOVEMBER 11 1991
Month Day Year
15. Date completed DECEMBER 2 1991
Month Day Year
16. Depth to water _____ ? ft. (If flowing well, so state)
17. Describe point from which depth measurements were made, and give sea-level elevation if available
GROUND LEVEL
18. If flowing well, state method of flow regulation: _____
19. Remarks: _____

DO NOT WRITE IN THIS SPACE

Registra 55-533464
File No. B(2-1)14BBD
Receiver
Entered **ENTERED DEC 09 1991**

ARIZONA DEPARTMENT OF WATER RESOURCES

15 South 15th Avenue
Phoenix, Arizona 85007

JUL 24 1992

Registration No. 55-533464

OPERATIONS DIV
File No. B(2-1)14bbd

COMPLETION REPORT

1. Per A.R.S. § 45-600, the Completion Report is to be filed with the Department within 30 days after installation of pump equipment by the registered well owner.
2. Drawdown of the water level for a non-flowing well should be measured in feet after not less than 4 hours of continuous operation and while still in operation and for a flowing well the shut-in pressure should be measured in feet above the land or in pounds per square inch at the land surface.
3. The static groundwater level should be measured in feet from the land surface immediately prior to the well capacity test.
4. The tested pumping capacity of the well in gallons per minute for a non-flowing well should be determined by measuring the discharge of the pump after continuous operation for at least 4 hours and for a flowing well by measuring the natural flow at the land surface.

LOCATION OF THE WELL:

2 ^{NW} Township 1 ^{NW} Range 14 Section SE 1/4 10-acre NW 1/4 40-acre NW 1/4 160-acre

EQUIPMENT INSTALLED:

Kind of pump SUBMERSIBLE
Turbine, centrifugal, etc.

Kind of power ELECTRIC H.P. Rating of Motor 3
Electric, natural gas, gasoline, etc.

Pumping Capacity 20 Gallons per minute Date pump installed: JULY 1, 1992

WELL TEST:

Test pumping capacity 20 Gallons per minute Date Well Tested: JULY 1, 1992

Method of Discharge Measurement 5 GAL. BUCKET
Weir, orifice, current meter, etc.

Static Groundwater Level 255 ft. Drawdown 10 ft.

Total Pumping Lift 265 ft. Drawdown _____ lbs.
(Flowing Well)

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

July 16, 1992
Date

SAMMIE WALKER
Print Well Owner's Name
Sammie Walker
Signature of Well Owner or Agent

ENTERED III 27 1992

521 N. 4th St. APT C
Address

DWR-55-56 7/91 (Rev.)

AVONDALE, ARIZONA 85323
City State Zip

WELL DRILLER REPORT

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

1. Owner Ashton Material Co.,
Name
P. O. Box 160, Litchfield Park, Arizona 85340
Address
2. Lessee or Operator _____
Name

Address
3. Driller Odom Drilling
Name
327 N. 1st, Buckeye, Arizona 85326
Address

4. Location of well: SW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ T2N R1W S24

5. Permit No. _____ Reg. # 55-85370
(if issued)

DESCRIPTION OF WELL

6. Total depth of hole 435 ft.
7. Type of Casing Black steel
8. Diameter and length of casing 8 in. from 0 to 415, _____ in from _____ to _____.
9. Method of sealing at reduction points _____
10. Perforated from 298 to 390, from _____ to _____, from _____ to _____
11. Size of cuts 5/16 x 1" Number of cuts per foot 4
12. If screen was installed: Length _____ ft. Diam _____ in. Type _____
13. Method of construction Drilled
drilled, dug, driven, bored, jetted, etc.
14. Date started August 12 1980
Month day year
15. Date completed August 22 1980
Month day year
16. Depth to water 153'6" ft. (If flowing well, so state.)
17. Describe point from which depth measurements were made, and give sea-level elevation if available.
Top of well.
18. If flowing well, state method of flow regulation _____

19. REMARKS: _____

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Registration No. 55-85370 55-508281T

Received _____ By _____

Entered 9-8-80 8-15-84 SFB/

File No. B(2-1)24 bdc

(Well log to appear on Reverse side)

55-508281 T

Registration No. 55-85370
Owner of Well Site Ashton Material Co.,
File No. B(2-1)24 bdc

935-9388

COMPLETION REPORT

1. Completion Report to be filed with the Department within 30 days after installation of pump equipment.
2. The tested pumping capacity of the well in gallons per minute for a non-flowing well should be determined by measuring the discharge of the pump after continuous operation for at least 4 hours and for a flowing well by measuring the natural flow at the land surface.
3. Drawdown of the water level for a non-flowing well should be measured in feet after not less than 4 hours of continuous operation and while still in operation and for a flowing well the shut-in pressure should be measured in feet above the land or in pounds per square inch at the land surface.
4. The static groundwater level should be measured in feet from the land surface immediately prior to the well capacity test.

LOCATION OF THE WELL

SW 1/4, SE 1/4, NW 1/4 Sec 24 R16 T2N

Date Well Completed 8-22-1980 Depth of Well 435'

1. Well Test:
Test Pumping Capacity 300 Date Well Tested 8-30-80
(Gal. per min.)

Method of Discharge Measurement _____
(weir, orifice, current meter, etc.)

Static Groundwater Level 153' ft. Drawdown 50 ft.
Total Pumping Lift 200 ft. Drawdown 30 lbs.
(Flowing Well)

2. Equipment Installed:

Kind of Pump SUBMERSIBLE
(turbine, centrifugal, etc.)

Kind of Power ELEC. H.P. Rating of Motor 30 H.P.
(Elec., Nat. Gas, Etc.)

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

L. E. Lighton
Signature
P.O. Box 160
Address

7-30, 1980
Date

LITENFIELD PARK ARIZ 85340
City State Zip

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

WELL DRILLER REPORT



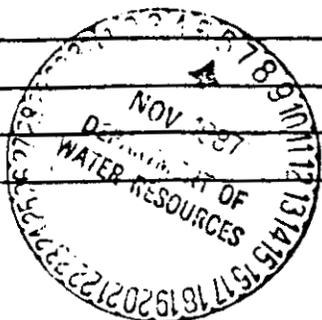
This report should be prepared by the driller in all detail and Department within 30 days following completion of the well.

- Owner 1 Spruce Property Inc
PO 46100 Phoenix Arizona 85067-6100
Name
Mailing Address
- Driller Edward Price Drilling
PO 2007 Grand New Mexico 89021
Name
Mailing Address
- Location of well: 2N 1W 28 SE SW SW
- Permit No. 518933
(if issued)

DESCRIPTION OF WELL

- Total depth of hole 180 ft.
- Type of casing 2" 20 PVC
- Diameter and length of casing 8 5/8 in. from 0 to 20, 6 in from 0 to 180.
- Method of sealing at reduction points None
- Perforated from 180 to 180, from to , from to .
- Size of cuts 040 Number of cuts per foot 172
- If screen was installed: Length 50 ft. Diam 6 in. Type Slotted
- Method of construction Mud Rotary
drilled, dug, driven, bored, jetted, etc.
- Date started 10 14 87
Month Day Year
- Date completed 10 15 87
Month Day Year
- Depth to water 110-115 ft. (If flowing well, so state.)
- Describe point from which depth measurements were made, and give sea-level elevation if available Ground level
- If flowing well, state method of flow regulation:

18. Remarks:



DO NOT WRITE IN THIS SPACE
OFFICE RECORD

REG. NO. 55-518933

File No. B(2-1)33abc

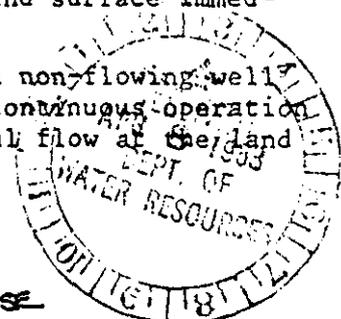
Entered ENTERED NOV 06 1987 By

Registration No. 55-518933

File No. B(2-1) 33 ABC (NOTE CORRECT LOCATION BELOW)

COMPLETION REPORT

1. Per A.R.S. §45-600, the Completion Report to be filed with the Department within 30 days after installation of pump equipment by the registered well owner.
2. Drawdown of the water level for a non-flowing well should be measured in feet after not less than 4 hours of continuous operation and while still in operation and for a flowing well the shut-in pressure should be measured in feet above the land or in pounds per square inch at the land surface.
3. The static groundwater level should be measured in feet from the land surface immediately prior to the well capacity test.
4. The tested pumping capacity of the well in gallons per minute for a non-flowing well should be determined by measuring the discharge of the pump after continuous operation for at least 4 hours and for a flowing well by measuring the natural flow at the land surface.



LOCATION OF THE WELL:

2N Township 1W Range 28 Section SW of SW of SE

EQUIPMENT INSTALLED:

Kind of pump SUBMERSIBLE GRINDER SP4-8
Turbine, centrifugal, etc.
Kind of power ELECTRIC, 230V H.P. Rating of Motor 3/4 HP
Electric, natural gas, gasoline, etc.
Pumping Capacity 11 gpm Date installed 10-16-87
Gallons per minute

WELL TEST:

Test pumping capacity 30 gpm Date Well Tested 10-27-87
Gallons per minute
Method of Discharge Measurement 5 gallon BUCKET w/ STOPWATCH
Weir, orifice, current meter, etc.

Static Groundwater Level 118.61 ft. Drawdown 131.25 ft.
Total Pumping Lift 168.0 ft. Drawdown _____ lbs
(Flowing Well)

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

MARCH 24, 19 88
DATE

B. W. DAVES & MOORE
Signature

7500 N DREAMY DREAM DR., SUITE 145
Address

PHOENIX City AZ State 85020 Zip

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

23

WELL DRILLER REPORT



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

- Owner Unidynamics Phoenix Inc.
Name
1001 W. McDowell Phoenix Arizona 85003-6100
Mailing Address
- Driller Stewart Bios Drlg Co
Name
P.O. 2067 Grants New Mexico 87021
Mailing Address
- Location of well: 2N 1W Sec 3 NW NE NW
- Permit No. 518934
(if issued)

DESCRIPTION OF WELL

- Total depth of hole 160 ft.
- Type of casing Sch 80 PVC
- Diameter and length of casing 2 7/8 in. from 0 to 20, 6 in from 0 to 160.
- Method of sealing at reduction points Neat Cement
- Perforated from 110 to 160, from to , from to .
- Size of cuts .040 Number of cuts per foot 172
- If screen was installed: Length 50 ft. Diam 4 in. Type Slotted
- Method of construction Mud Rotary
drilled, dug, driven, bored, jetted, etc.
- Date started 10 21 87
Month Day Year
- Date completed 10 22 87
Month Day Year
- Depth to water N/A ft. (If flowing well, so state.)
- Describe point from which depth measurements were made, and give sea-level elevation if available ground level
- If flowing well, state method of flow regulation: _____

18. Remarks: _____

DO NOT WRITE IN THIS SPACE OFFICE RECORD	
REG. NO.	<u>55-518934</u>
File No.	<u>B(2-1)34ccb</u>
Entered	By <u>ENTERED NOV 06 1987</u>

DEPARTMENT OF WATER RESOURCES

99 East Virginia
Phoenix, Arizona 85004

Registration No. 55-518934

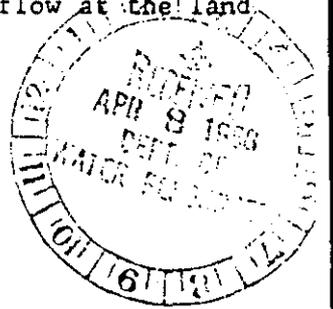
File No. B(2-1) 34 CAB

COMPLETION REPORT

1. Per A.R.S. §45-600, the Completion Report to be filed with the Department within 30 days after installation of pump equipment by the registered well owner.
2. Drawdown of the water level for a non-flowing well should be measured in feet after not less than 4 hours of continuous operation and while still in operation and for a flowing well the shut-in pressure should be measured in feet above the land or in pounds per square inch at the land surface.
3. The static groundwater level should be measured in feet from the land surface immediately prior to the well capacity test.
4. The tested pumping capacity of the well in gallons per minute for a non-flowing well should be determined by measuring the discharge of the pump after continuous operation for at least 4 hours and for a flowing well by measuring the natural flow at the land surface.

LOCATION OF THE WELL:

1N Township 1W Range 3 Section NW of NE of NW



EQUIPMENT INSTALLED:

Kind of pump SUBMERSIBLE GRINDOS SP4-8
Turbine, centrifugal, etc.

Kind of power ELECTRIC 230V. H.P. Rating of Motor 3/4 HP
Electric, natural gas, gasoline, etc.

Pumping Capacity 11 gpm Date installed 10-23-87
Gallons per minute

WELL TEST:

Test pumping capacity 30 gpm Date Well Tested 10-28-8
Gallons per minute

Method of Discharge Measurement 5 GALLON BUCKET / w STOP WATCH
Weir, orifice, current meter, etc.

Static Groundwater Level 106.50 ft. Drawdown 119.24 ft.

Total Pumping Lift _____ ft. Drawdown _____ lbs
(Flowing Well)

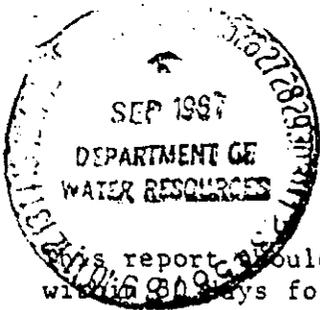
I HEREBY CERTIFY that the above statements are true to the best of my knowledge and belief.

DATE MARCH 24, 1988

[Signature] (James Moore)
Signature

7500 N. DREAMY DRAW DR, SUITE 145
Address

PHOENIX City AZ State 85020 Zip



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

27

WELL DRILLER REPORT

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

- Owner EPA Region 9
215 Fremont St. San Francisco, CA 94105
Name
Mailing Address
- Driller Layne Western Co. Inc.
12030 E. Riggs Rd. Chandler, AZ. 85249
Name
Mailing Address
- Location of well: T1N, R1W, Sect. 16, NE 1/4, NW 1/4, NE 1/4
- Permit No. 518123
(if issued)

DESCRIPTION OF WELL

- Total depth of hole 402 ft.
- Type of casing steel, sch. 80 PVC
- Diameter and length of casing 10 in. from 0 to 130.5 in from 0 to 400.
- Method of sealing at reduction points N/A
- Perforated from 355 to 395, from _____ to _____, from _____ to _____.
- Size of cuts .020 Number of cuts per foot 40
- If screen was installed: Length 40 ft. Diam 5 in. Type sch 80 PVC
- Method of construction drilled
drilled, dug, driven, bored, jetted, etc.
- Date started 8 19 87
Month Day Year
- Date completed 9 7 87
Month Day Year
- Depth to water Not available ft. (if flowing well, so state.)
- Describe point from which depth measurements were made, and give sea-level elevation if available Ground level
- If flowing well, state method of flow regulation: —
- Remarks: —

55-518123
B(1-1)16 aba
Entered **ENTERED SEP 25 1987**

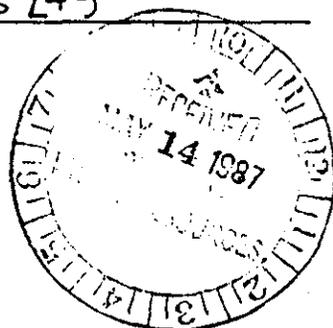
STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
99 EAST VIRGINIA AVENUE
PHOENIX, ARIZONA 85004

WELL DRILLER REPORT

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

- Owner EPA REGION 9
215 FREEMONT ST. SF. CA 94105
Name
Mailing Address
- Driller LAYNE WESTERN CO., INC
12030 E. RIGGS CHANDLER, AZ 85249
Name
Mailing Address
- Location of well: TIN, RIW 16 NW SE NW
- Permit No. _____
(if issued)

DESCRIPTION OF WELL



- Total depth of hole 235 ft.
- Type of casing STEEL, PVC
- Diameter and length of casing 10 in. from 0 to 160, 5 in from 0 to 230.
- Method of sealing at reduction points NONE
- Perforated from 175 to 225, from — to —, from — to —.
- Size of cuts 20 SLOT Number of cuts per foot —
- If screen was installed: Length 50 ft. Diam 5 in. Type PVC JOHNSON
- Method of construction MUD ROTARY
drilled, dug, driven, bored, jetted, etc.
- Date started 4 13 87
Month Day Year
- Date completed 4 16 87
Month Day Year
- Depth to water NOT AVAILABLE ft. (If flowing well, so state.)
- Describe point from which depth measurements were made, and give sea-level elevation if available GROUND LEVEL
- If flowing well, state method of flow regulation: _____

18. Remarks: _____

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
REG. NO. 55-517110
File No. B(1-1)16bdb
Entered ENTERED MAY 15 1987

APPENDIX C

**WATER QUALITY REPORTS FROM KEY
CITY OF AVONDALE WELLS**



**DRINKING WATER QUALITY
INORGANIC CHEMICAL ANALYSIS REPORTING FORM**

92-103837
SPECIMEN NO.

Before completing, please read instructions on reverse side.

06/02/92
DATE RECEIVED

NOTE: WATER SYSTEM MUST COMPLETE ALL BLANKS INSIDE THIS BOX

PWS ID NO.
0 4 0 7 0 8 8

LAB NAME AND ADDRESS
AZ 0 0 0 6
Steven B. Hankins, Director
ARIZONA TESTING LABORATORIES
810 East Hammond Lane
Phoenix, Arizona 85034 (602) 254-6181

SAMPLE DATE
Mo. Day Yr.
0 6 0 2 9 2

SAMPLE
Type Time (Hrs.)
D 1 2 2 0

WATER SYSTEM NAME
City of Avondale

SAMPLING POINT—WELL NO. OR EXACT LOCATION
Well 7, El Mirage Rd.

MAILING NAME AND ADDRESS
City of Avondale
Attn: Esmeralda Avila
525 North Central
Avondale, Arizona 85323

SAMPLE APPEARANCE
Clear
Turbid
Other (comment)

WATER SUPPLY SOURCE
 Well
 Surface
SAMPLE TYPE CODES
C - Check Sample
D - Regular Distribution Sample
P - Plant Tap Sample
R - Raw Water Sample
S - Special Sample

SAMPLER'S COMMENTS OR INSTRUCTIONS

CONTAMINANT CODE	ANALYSIS METHOD	CONTAMINANT NAME (MCL)	ANALYSIS RESULTS (mg/l)	EXCEEDS
1 0 0 5	1 0 1	Arsenic (0.05)	0.021	
1 0 1 0	1 0 1	Barium (1.)	< 0.50	
1 0 1 5	1 0 1	Cadmium (0.010)	< 0.0050	
1 0 2 0	1 0 1	Chromium (0.05)	< 0.010	
1 0 2 5	1 0 7	Fluoride (1.4-2.0)	1.2	
1 0 3 0	1 0 1	Lead (0.05)	< 0.0020	
1 0 3 5	1 0 3	Mercury (.002)	< 0.0010	
1 0 4 0	1 0 9	Nitrates (N) (10.)	3.0	
1 0 4 5	1 0 1	Selenium (0.01)	< 0.0050	
1 0 5 0	1 0 1	Silver (0.05)	< 0.020	
1 9 2 7	1 4 9	Alkalinity	160	
1 0 1 6	1 0 1	Calcium	22	
1 0 1 7	1 4 9	Chloride	38	
1 0 2 2	1 0 1	Copper	< 0.050	
1 9 1 5	1 4 1	Hardness	100	
1 0 2 8	1 0 1	Iron	< 0.10	
1 0 3 1	1 0 1	Magnesium	11	
1 0 3 2	1 0 1	Manganese	< 0.050	
1 9 2 5	1 3 5	pH	7.8	
1 0 5 2	1 0 1	Sodium	90	
1 0 5 5	1 3 7	Sulfate	44	
1 9 3 0	1 3 9	TDS	310	
1 0 9 5	1 0 1	Zinc	< 0.050	

Pursuant to R9-3-223 check samples are REQUIRED for ANY and ALL contaminant(s) checked in the exceeds column.

LOCATION CODE
28-20
92-103837

= less than the practical quantitation limit (PQL) given

COMMENTS 2 cc: ADEO, 1 cc: MCHD

Umesh Rao
Umesh Rao, Ph.D.

ANALYSIS DATE
Mo. Day Yr.
0 7 2 9 9 2

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
CORROSIVITY ANALYSIS REPORTING FORM

SPECIMEN NUMBER 92-104274

DATE REC'D 06/23/92

PWS ID NUMBER <table border="1" style="width:100%; text-align: center;"> <tr><td>0</td><td>4</td><td>0</td><td>7</td><td>0</td><td>8</td><td>8</td></tr> </table>	0	4	0	7	0	8	8	LAB PERFORMING ANALYSIS NAME AND ADDRESS Arizona Testing Laboratories 810 East Hammond Lane Phoenix, Arizona 85034	LAB ID NUMBER <table border="1" style="width:100%; text-align: center;"> <tr><td>AZ</td><td>0</td><td>0</td><td>0</td><td>6</td></tr> </table>	AZ	0	0	0	6	SAMPLE DATE MO DAY YEAR <table border="1" style="width:100%; text-align: center;"> <tr><td>0</td><td>6</td><td>2</td><td>3</td><td>9</td><td>2</td></tr> </table>	0	6	2	3	9	2
0	4	0	7	0	8	8															
AZ	0	0	0	6																	
0	6	2	3	9	2																
(PLEASE COMPLETE BOTTOM OF PAGE)																					

WATER SYSTEM NAME <u>City of Avondale</u>	SAMPLING POINT - WELL OR LEGAL NAME <u>Well 7</u>
--	--

SYSTEM MAILING NAME & ADDRESS City of Avondale Attn: Esmeralda Avila 525 North Central Ave. Avondale, Arizona 85323	SAMPLE APPEARANCE CLEAR TURBID OTHER (COMMENT)	SUPPLY SOURCE X WELLS SURFACE
---	---	-------------------------------------

CONTAMINANT CODE	ANALYSIS METHOD	CONTAMINANT NAME	ANALYSIS RESULTS (mg/l)
1919	1141	HARDNESS/CALCIUM	35
1923	1135	pH	8.4
1927	1149	ALKALINITY	150
1930	1139	TDS	310
1996	1130	TEMPERATURE °C	26.6
1997	1138	-LANGELIER INDEX	+0.3

LOCATION CODE

< = Less than the detection limit given.

Construction Materials (indicate quantities, percentages or locations of each)

- Lead:
- Copper/Copper Alloys:
- Ferrous Piping:
- Asbestos Cement Piping:
- PVC Piping:

*By Calculation: It can have a positive or negative value. A negative value indicates corrosive water.

ANALYSIS DATE
MO DAY YEAR

0	8	0	7	9	2
---	---	---	---	---	---

Analyst *Umesh Rao* Umesh Rao, Ph.D.
 LAB'S COMMENTS OR INSTRUCTIONS 2 cc: ADEQ, 1 cc: MCHD
 SAMPLER'S COMMENTS OR INSTRUCTIONS _____

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
CORROSMIVITY ANALYSIS REPORTING FORM

SPECIMEN NUMBER 92-104275

DATE REC'D 06/23/92

PWS ID NUMBER <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> 0407088 </div>	LAB PERFORMING ANALYSIS NAME AND ADDRESS <div style="border: 1px solid black; padding: 2px;"> Arizona Testing Laboratories 810 East Hammond Lane Phoenix, Arizona 85034 </div>	SAMPLE DATE MO DAY YEAR <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> 062392 </div>
	LAB ID NUMBER <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> AZ0006 </div>	SAMPLE TYPE TIME <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> D1020 </div>

(PLEASE COMPLETE BOTTOM OF PAGE)

WATER SYSTEM NAME <u>City of Avondale</u>	SAMPLING POINT - WELL OR LEGAL NAME <u>Well 8</u>			
SYSTEM MAILING NAME & ADDRESS <u>City of Avondale</u> <u>Attn: Esmeralda Avila</u> <u>525 North Central Ave.</u> <u>Avondale, Arizona 85323</u>	SAMPLE APPEARANCE <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td style="padding: 2px;">CLEAR</td></tr> <tr><td style="padding: 2px;">TURBID</td></tr> <tr><td style="padding: 2px;">OTHER (COMMENT)</td></tr> </table>	CLEAR	TURBID	OTHER (COMMENT)
CLEAR				
TURBID				
OTHER (COMMENT)				
	SUPPLY SOURCE <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td style="padding: 2px;">X WELLS</td></tr> <tr><td style="padding: 2px;">SURFACE</td></tr> </table>	X WELLS	SURFACE	
X WELLS				
SURFACE				

CONTAMINANT CODE	ANALYSIS METHOD	CONTAMINANT NAME	ANALYSIS RESULTS (mg/l)
1919	141	HARDNESS/CALCIUM	260
1923	135	pH	8.0
1927	149	ALKALINITY	130
1930	139	TDS	1000
1996	130	TEMPERATURE °C	26.1
1997	138	*LANGELIER INDEX	+0.7

LOCATION CODE

< = Less than the detection limit given.

Construction Materials (indicate quantities, percentages or locations of each)

- Lead:
- Copper/Copper Alloys:
- Ferrous Piping:
- Asbestos Cement Piping:
- PVC Piping:

*By Calculation: It can have a positive or negative value. A negative value indicates corrosive water.

ANALYSIS DATE
MO DAY YEAR

080792

Analyst *Umesh Rao* Umesh Rao, Ph.D.
 LAB'S COMMENTS OR INSTRUCTIONS 2 cc: ADEQ, 1 cc: MCHD
 SAMPLER'S COMMENTS OR INSTRUCTIONS _____