EXTENT AND SOURCE OF SALTWATER INTRUSION INTO THE ALLUVIAL AQUIFER NEAR BRINKLEY, ARKANSAS, 1984

By E. E. Morris, U. S. Geological Survey

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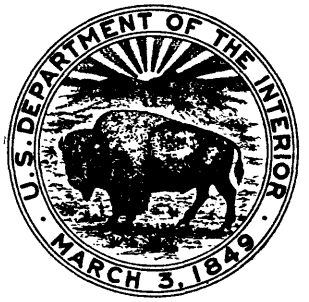

Prepared in cooperation with the

ARKANSAS GEOLOGICAL COMMISSION

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CONVERSION FACTORS

For use of readers who prefer to use metric units, conversion factors for terms used in this report are listed below:

Multiply	By	To obtain
foot (ft)	0.3048	meter (m)
gallon per minute (gal/min)	0.0630	liter per second (L/s)
million gallon per day (Mgal/d)	0.0438	cubic meter per second (m^3/s)
square mile (mi^2)	2.590	square kilometer (km^2)

Temperature in degrees Celsius (°C) can be converted to degrees Fahrenheit (°F) as follows:

$$°F = (1.8)(°C) + 32$$

National Geodetic Vertical Datum of 1929 (NGVD of 1929): A geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, called NGVD of 1929, is referred to as sea level in this report.

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ABSTRACT

An appproximate area of 56 square miles of the alluvial aquifer has been contaminated by saltwater (chloride concentration equal to or greater than 50 milligrams per liter) intruded from underlying aquifers. The contamination was mapped from water quality data for 217 wells. Saltwater problems appear to have spread rapidly in the alluvial aquifer since the late 1940's. Chemical comparisons indicate that the alluvial aquifer was contaminated by water from the Sparta aquifer which in turn was contaminated by the underlying Nacatoch aquifer.

The possibility of intrusion into the alluvial aquifer through abandoned oil and gas test wells was investigated but no evidence could be found to support this possibility. Upward movement into the alluvial aquifer from the underlying Sparta aquifer through the thinned or absent Jackson confining unit appears to be the principal reason for saltwater in the alluvial aquifer. Increased withdrawals of water from the alluvial aquifer for irrigation and public supply appear to have contributed to this upward movement.

INTRODUCTION

Purpose and Scope

This study, in cooperation with the Arkansas Geological Commission, was conducted to determine the areal extent of saltwater intrusion into the alluvial aquifer in the vicinity of Brinkley, Arkansas. In this report that part of the aquifer where water contains chloride concentrations greater than 50 mg/L is considered affected by saltwater intrusion. As a secondary objective, an attempt was made to determine the source(s) and mechanism(s) of saltwater intrusion into the aquifer. This required that a description of the hydrology of deeper formations be included in the study. Particular attention was given to the hydrology of the Sparta Sand and the intrusion of saltwater into this formation.

Methods of Investigation

The extent and magnitude of saltwater in the alluvial aquifer were largely determined through the collection and analysis of aquifer water-quality data. During the period 1946-84, water samples were collected from 205 wells which tap the alluvial aquifer, 8 wells penetrating the Sparta aquifer, 2 wells which penetrate the Cockfield aquifer, and 1 well each in the Memphis aquifer and Nacatoch aquifer. The analyses of these samples are shown in attachment A, referenced by well number. The majority of samples were collected during the period 1974-84. In addition to the collection of water-quality samples, numerous water-level measurements were made during these same periods.

Both the collection of water-quality samples and the measurement of water levels were completed according to guidelines set forth in the following manuals: Skougstad and others (1979), U.S. Geological Survey (1977), and Wood (1976).

Previous Investigations

Numerous State and Federal reports discuss the hydrology of the study area either directly or indirectly. Several reports discuss saltwater intrusion in the study area. The earliest known mention of a possible intrusion problem was by Stephenson and Crider (1916). They reported that a water sample collected from a well in the Claiborne Group (Sparta Sand) at Brinkley in 1904 contained a chloride concentration of 916 milligrams per liter (mg/L). Other reports mentioning the occurrence of saltwater in wells in the study area include Halberg and Reed (1964), Boswell and others (1968), Hosman and others (1968) and Broom and Lyford (1981).

Description of the Area

The study area (fig. 1) encompasses approximately 322 square miles (mi^2) and includes parts of Monroe, St. Francis, and Woodruff Counties. The area is located within the Mississippi alluvial plain. The plain, with little surface relief except at boundaries of stream flood plains and terraces, slopes southward. Surface altitudes range from a high of 215 feet above sea level, 7 miles north of Brinkley, to a low of 145 feet near White River at Clarendon. The principal streams in the area are Bayou Deview (a tributary to Cache River) and Cache River (a tributary to White River). Secondary drainage consists of swampy, low gradient streams.

Land use in the area is primarily agricultural. Most crops are irrigated by ground water. Some light industry that uses a small amount of ground water is located at Brinkley and at Clarendon, the county seat.

Well-Numbering System

Each well for which water-quality data are available in the study area is listed by aquifer and by local well number in attachment A of this report. These wells were also assigned a well number unique to this report. These unique well numbers and their locations are shown in figure 2. A well may also be located by the local well number. The local well number is based upon the location of the well according to the Federal land survey used in Arkansas. The component parts of a local well number include the township number, the range number, the section number, and three letters which indicate, respectively, the quarter section, the quarter-quarter section, and the quarter-quarter-quarter section in which the well is located. The letters are assigned counter clockwise, beginning with "A" in the northeast quarter or quarter-quarter or quarter-quarter-quarter section in which the well is located. For example, well 04N02W11BCC16 (fig. 3) is located in Township 4 North, Range 2 West, and in the southwest quarter of the southwest quarter of the northwest quarter of section 11. This well is the 16th well in this quarter-quarter-quarter section (10 acre tract) of section 11 at which data were collected.

Acknowledgments

The authors wish to thank Mr. Buck Files and Mr. Wayne Roediger for permission to drill test wells on their farms. Thanks are extended to the many farmers in the Brinkley area who provided assistance in sampling of their irrigation and domestic wells. Thanks are extended to Joe Edds and John Yanchosek, hydrologic technicians for the Arkansas District, U.S. Geological Survey, for the many days spent collecting, analyzing and storing data.

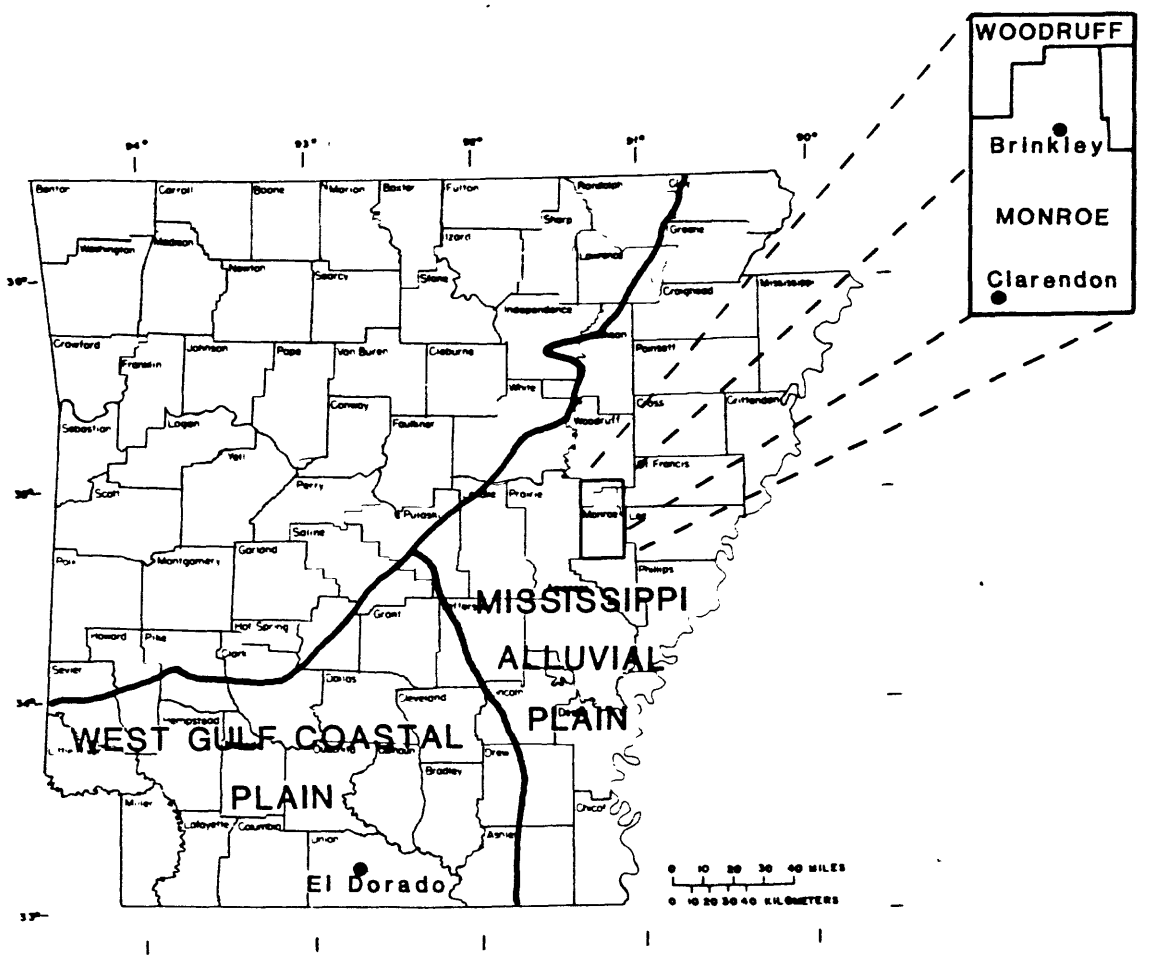

Figure 1.--Location of study area.

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HYDROGEOLOGIC SETTING

A generalized geologic column representing sediments in the study area is shown in table 1. Quaternary alluvial and terrace deposits cover the entire surface of the study area to an average depth of 125 feet and contain the alluvial aquifer which is the most important aquifer in the area. Underlying the alluvial deposits are approximately 2,800 feet of Tertiary through Upper Cretaceous sediments, which, in turn are underlain by Paleozoic sedimentary rocks. The strata below the alluvial deposits dip to the southeast at less than 1° and most of the units thicken in the same direction.

The lack of adequate subsurface control prevented the mapping of any significant structural features that might contribute to the movement of saltwater. Just north of the study area in sections 7 and 18, T. 5 N., R. 2 W, in Woodruff County, Caplan (1954) indicated the possibility of either a normal fault, downthrown to the north and trending northwest-southeast, or of a small graben. This fault, or graben, does not appear to have any effect on the saltwater problem, but does indicate the possibility of additional faulting in the study area.

Quaternary Deposits

Quaternary deposits include terrace deposits of Pleistocene age and more recent alluvial deposits of Holocene age (table 1). Quaternary alluvial and terrace deposits range in thickness from about 100 to 160 feet, and average approximately 125 feet. The uppermost deposits form a silty or fine sandy clay cap. This clay cap is typically about 20 feet thick, but may thin to 10 feet or less and, in some low lying areas, may be absent. These deposits grade downward into fine-grained to coarse sand, which in turn grades into approximately 30 feet of sand and gravel at the base of the Quaternary deposits. Thin, lenticular layers of silty clay are scattered throughout the sediments, but do not appear to serve as confining beds. The coarser materials of the Quaternary deposits which generally underlie the clay cap constitute the alluvial aquifer. The alluvial aquifer is the most important aquifer in the study area and provides large quantities of water for irrigation and public supply.

Jackson Group

Sediments of the Tertiary Jackson Group undifferentiated underlie most of the study area (table 1). Thickness of this unit averages about 30 feet, but may range from near zero to a maximum of about 50 feet. Accurate determinations of unit extent and thickness are difficult to determine because of the limited amount of subsurface data. In the study area the lithology of the Jackson Group consists almost entirely of clay, silty clay, and minor amounts of silt and very fine sand. Where present, it acts as a confining bed between the alluvial aquifer and the Sparta aquifer.

Table 1.--Generalized geologic column in the vicinity of Brinkley, Arkansas

Erathem	System	Series	Group	Formation	Maximum thickness (feet)	Lithologic description
Cenozoic	Quaternary	Holocene		Alluvial deposits	160	Clay, silt, sand and gravel. Includes alluvial aquifer.
		Pleistocene		Terrace deposits		
	Tertiary	Eocene	Jackson	Undifferentiated	50	Mostly clay with some fine sand and silt. Includes Jackson confining bed.
			Claiborne	Cockfield and Cook Mountain Formations	250	Interbedded sand, silt, and clay. Sandier near the top. Includes Cockfield aquifer.
				Sparta Sand	400	Sand, clay, and silt, interbedded. Fine to medium sand in upper part with fine to coarse sand in the lower part, separated by a clay. Includes Sparta aquifer.
				Cane River Formation and Carrizo Sand	750	Clay, sand, and silt. Mostly sand near the base. Entire section gets sandier to the north, combining with the Sparta Sand to form the Memphis Sand. Includes Cane River aquifer and Carrizo aquifer. To the north the Sparta, Cane River, and Carrizo aquifers form the Memphis aquifer.
			Wilcox	Undifferentiated	600	Interbedded sand and clay. Includes Wilcox aquifer.
		Paleocene	Midway	Undifferentiated	500	Clay with some silt and lime.
Mesozoic	Cretaceous	Upper		Undifferentiated	900	Marl, sand, chalk and clay. Includes Nacatoch Sand.
Paleozoic	Undifferentiated					Sandstone and shale.

Claiborne Group

The Tertiary Claiborne Group underlies the Jackson Group and attains an average thickness of 950 feet in the study area (table 1). In southern Arkansas the Claiborne Group has been subdivided into five formations. These formations listed from top to bottom include: the Cockfield Formation, Cook Mountain Formation, Sparta Sand, Cane River Formation, and Carrizo Sand. In the study area, the boundaries of these units are difficult to determine because of lack of subsurface data and rapid changes in lithology within the Claiborne Group.

The upper part of the Claiborne Group is composed of fine to medium sand, clay, silt, and lignitic clays which are assigned to the Cockfield and Cook Mountain Formations. The uppermost part is mostly sand of the Cockfield Formation and is locally referred to as the Cockfield aquifer. In some locations this sand may be absent, or clays of the underlying Cook Mountain Formation may contain interbedded and lenticular sand.

The Sparta Sand lies below the upper part of the Claiborne Group. It may be separated into an upper and a lower part. The base of the lower part is difficult to determine locally because of lithologic similarities to underlying sediments of the Cane River Formation. However, the lower part of the Sparta Sand, which includes some interbedded clay, appears to be about 160 feet thick in well no. 212 (fig. 2). The upper part of the Sparta Sand is about 100 feet thick. Separating the two parts is about 130 feet of interbedded sandy clay. The effectiveness of this middle clay unit as a confining bed is variable and depends largely on the local distribution and thickness of clay. The spatial and vertical limits of the Sparta Sand also locally define the Sparta aquifer.

Below the Sparta Sand lie sediments assigned to the Cane River Formation and the Carrizo Sand. These units consist predominantly of sand interbedded with thin layers of clay and silt. Where they can be differentiated, the boundaries of the Cane River aquifer and the Carrizo Sand aquifer are locally defined as the limits of the respective formations.

Just north of Brinkley, at the approximate boundary between Tps. 3 and 4 N., the percentage of sand in the Cane River Formation increases. At this point the combined thickness of the Sparta Sand, Cane River Formation, and Carrizo Sand forms the Memphis Sand and is locally designated the Memphis aquifer (Broom and Lyford, 1981).

Wilcox Group

Sediments of the Tertiary Wilcox Group, which underlie the Claiborne Group, average about 450 feet in thickness and have not been subdivided in the study area (table 1). Lithologically, the Wilcox Group consists of complexly interlayered and lenticular sands, silts, and clays. The sands and coarser materials locally constitute the Wilcox aquifer and are probably hydraulically connected to the sands in the lower part of the overlying Claiborne Group. In the study area the water in the Wilcox aquifer is saline. However, in the Memphis area the Wilcox aquifer contains freshwater and is referred to as the "1,400 foot sand" aquifer.

Midway Group

The Midway Group, which underlies the Wilcox Group, is Tertiary in age and has not been subdivided in this report (table 1). Its average thickness is about 500 feet in the study area. The Midway Group consists predominantly of clay and contains silt in the upper part. The clay of the Midway Group is considered an excellent confining bed capable of restricting any upward movement of fluids from deeper formations.

Upper Cretaceous Sediments

Approximately 600 feet of Upper Cretaceous sediments consisting primarily of marl, sand, clay, and chalk, occur between the base of the Midway Group and the top of the Paleozoic sequence (table 1). Where adequate subsurface data are available, the Upper Cretaceous sediments, from top to bottom, can be subdivided into the Arkadelphia Marl, Nacatoch Sand, Saratoga Chalk, Marlbrook Marl, Annona Chalk, Ozan Formation, Brownstone Marl, and Tokio Formation.

All of the water within Cretaceous sediments is saline. The Nacatoch aquifer is locally defined as the predominantly sandy units of the Nacatoch Sand and is considered a potential source of saltwater contamination of overlying units. The top of the Nacatoch Sand ranges in depth from about altitude -1,200 feet in the northwest corner of the area to about altitude -2,650 feet in the southeast corner (Petersen and others, 1985).

HISTORY OF SALTWATER INTRUSION

Saltwater intrusion into the alluvial aquifer was first documented in 1946 when a water sample from well no. 111 was found to have a chloride concentration of 150 mg/L. The area of saltwater intrusion appears to have spread rapidly after this time. A water sample from well no. 177, a well in the alluvial aquifer located just northwest of Brinkley, contained a chloride concentration of 22 mg/L on October 6, 1949. The chloride concentration of water samples from this well increased rapidly over the next 20 years to 800 mg/L (fig. 4). This well is now located at the center of a major concentration of saltwater in the alluvial aquifer.

Saltwater occurrence in the underlying Sparta aquifer was documented much earlier than in the alluvial aquifer. Stephenson and Crider (1916) reported a concentration of 916 milligrams per liter (mg/L) chloride in a water sample from the Sparta aquifer in 1904 (table 2). The well sampled was reported to be used as a public supply for the city of Brinkley.

An approximately 56 mi^2 area of saltwater (equal to or exceeding 50 mg/L chloride concentration) occurs in the alluvial aquifer as illustrated in figure 5. The lines of chloride concentration shown are based on the maximum chloride concentration for each well for the period of record. Intervals used are 50, 100 and 200 mg/L. Two areas of high chloride concentration are shown. One area is located approximately 1 mile north of the Brinkley city limits where chloride concentrations in water from the alluvial aquifer are as high as 960 mg/L. The second area is located approximately 5.5 miles south of the Brinkley city limits where concentrations reach a maximum of 460 mg/L.

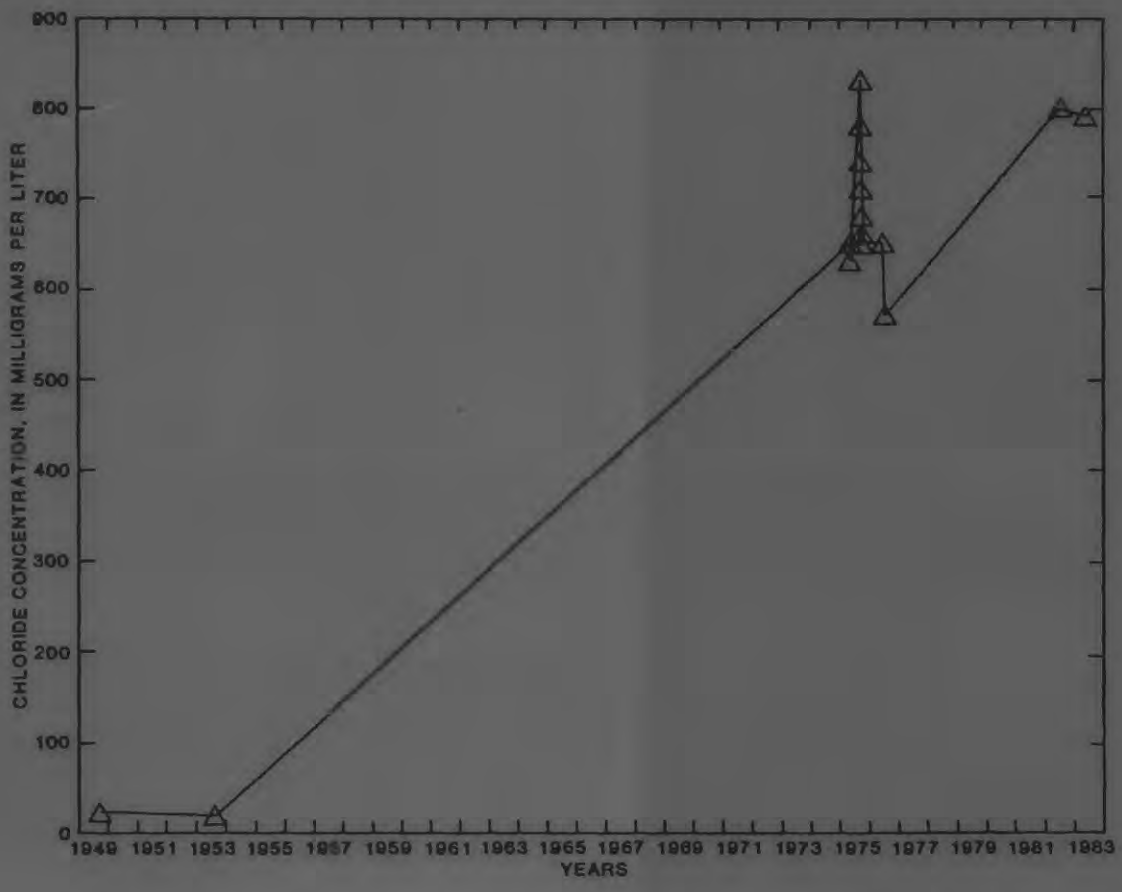

Figure 4.--Chloride concentration versus time for water from well no. 177 in the alluvial aquifer.

Table 2.--Analysis of a water sample from Sparta aquifer collected in 1904 (Stephenson and Crider, 1916)

[Parts per million]

No.	Location				Owner	Analyst	Date of collection	Depth of well (feet)	Depth of principal water-bearing stratum (feet)	Name of principal water-bearing stratum
	Town	Section	Township	Range						
42	Brinkley				Farrell Light, Heat & Water Co.	C. W. Jones	Sept, 1904	565	497-563	Eocene

Silica (SiO_2)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na+K)	Carbonate radical (CO_3)	Bicarbonate radical (HCO_3)	Sulphate radical (SO_4)	Chlorine (Cl)	Volatile and organic matter	Total dissolved solids	Total hardness as $CaCO_3$
19	[a]0.9	25	6.2	49	---	246	2.3	916	84	1,938	88

Probable scale-forming ingredients[b]	Probable foaming ingredients[b]	Probability of corrosion[bc]	Mineral content	Chemical character	Quality for boiler use	Quality for domestic use	Quality for irrigation
100	1,800	NC	High	Na-Cl	Very bad	Bad	Poor

[a] Aluminum (Al), 0.2 part; phosphate radical (PO_4), 1.5 parts.
[b] Computed.
[c] NC = noncorrosive.

As shown on figure 5, the area of saltwater intrusion is not evenly distributed but rather has a meandering character. This meandering may be due to the irregular distribution of clays of the Jackson Group below the the base of the alluvial aquifer.

Chloride data collected after 1974 were considered to best represent present chloride concentrations and previously collected data were not used. In addition, the depth of wells in the alluvial aquifer was not considered when drawing lines of equal chloride concentration.

Observed variation in chloride concentrations with well depth is illustrated in figure 6. Chloride concentrations in three wells of ranging depth increased with depth (and depth of well intake). The three wells are less than 40 feet apart. The amount and distribution of pumping prior to sampling are not known.

An observed variation in chloride concentration with depth of well and time of pumping is shown in figure 7. The two wells shown are about 20 feet apart and had not been pumped for several days prior to sampling. Samples from well no. 178 (85 feet deep) show an increase in chloride concentration with time following the beginning of pumping. This increase would be expected as deeper saltwater begins to reach the well. However, water samples from well no. 177 (130 feet deep) show decreasing chloride concentrations as the well is pumped.

A possible explanation for this anomalous change in chloride is illustrated in figure 8. Pumping of well no. 178, the shallow well, creates an upward component of flow which brings saltier water from below into the well; hence the observed increase in chloride concentration with respect to time. In contrast, pumping of well no. 177, the deep well, creates generally downward components of flow which induce fresher water from above into the well intake. As a result of this flow pattern, the chloride concentration of water in the deep well decreases with time.

SOURCE OF CONTAMINATION

The saltwater contaminating the alluvial aquifer may originate from one or more of the following sources:

1. a zone of ground-water stagnation in the aquifer,
2. irrigation practices, and
3. upward movement of saltwater from deeper formations in response to pumping.

However, before discussing these sources it should first be established that the alluvial aquifer, when first formed, did not contain significant quantities of saltwater. Boswell and others (1968) state that "the Quaternary alluvium of the Mississippi River valley is the product of large-scale erosion and deposition during the Pleistocene and Holocene Epochs. Several periods of glaciation in Canada and the northern United States and subsequent seasonal melting released large volumes of water, resulting in several cycles of erosion and alluviation." Since glaciers were the source of most of this water, water originally contained within the alluvial aquifer was probably fresh.

A zone of stagnation could be present in the alluvial aquifer. Such a zone, as described by Winter (1976), could be local in nature and would be created by regional and/or local ground-water flow patterns in which a particular area has restricted horizontal and/or vertical flow. The static nature of flow would allow water in the stagnation zone to dissolve available minerals from the surrounding aquifer material over a long period of time.

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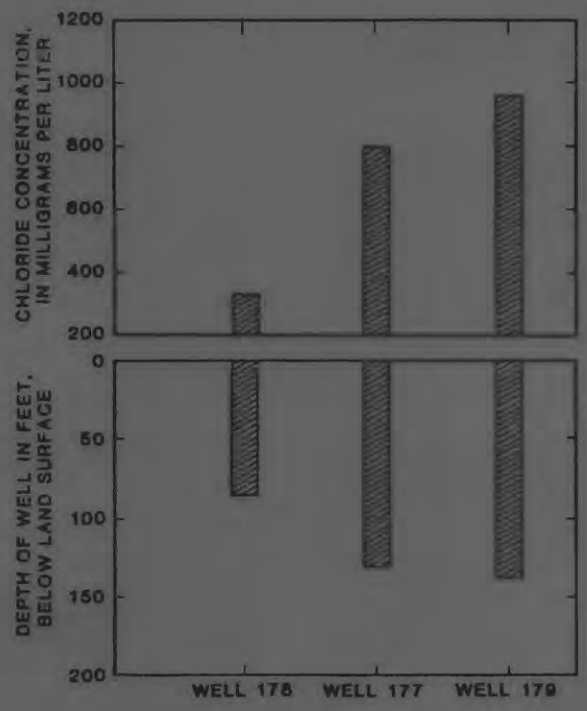

Figure 6.--Chloride concentration versus depth of well for water from three wells in the alluvial aquifer less than 40 feet apart.

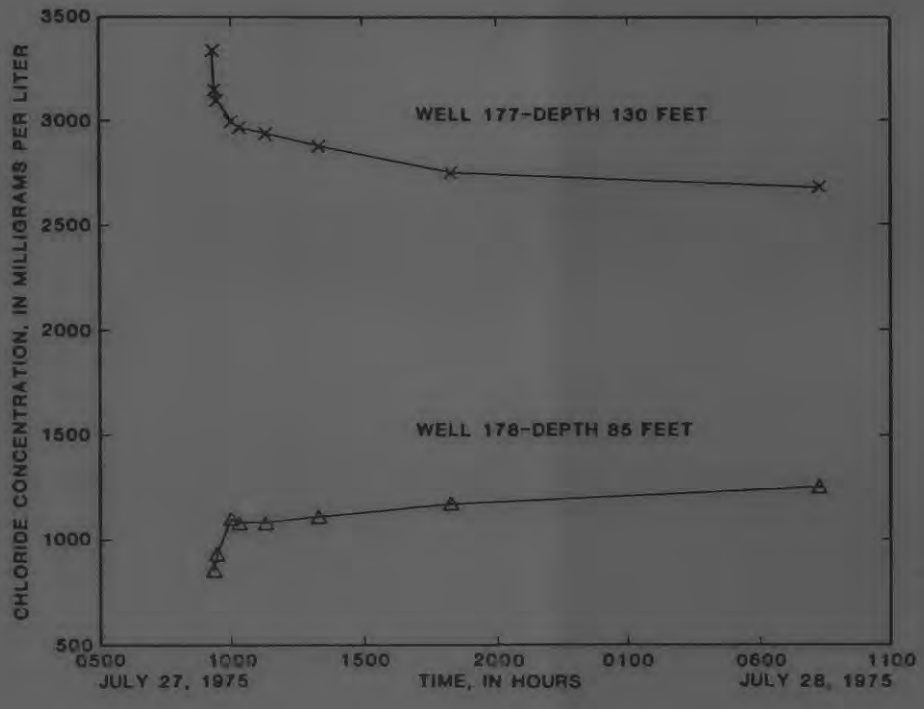

Figure 7.--Chloride concentration for water from two wells in the alluvial aquifer in close proximity but at different depths, July 27-28, 1975.

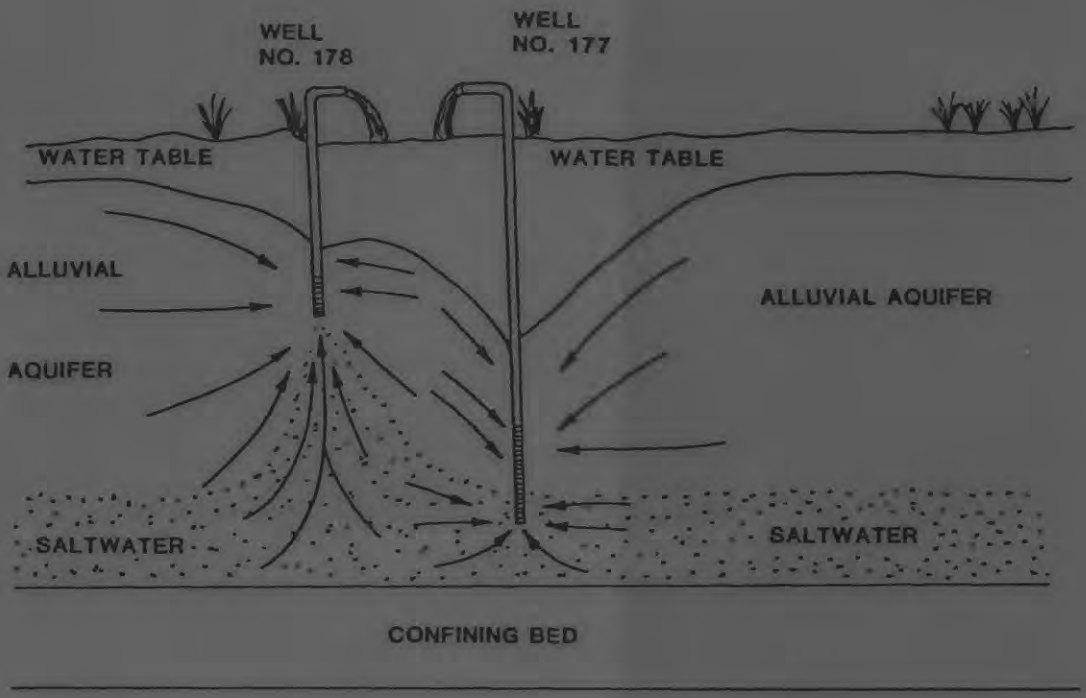

Figure 8.--The effect of withdrawal depth on chloride concentrations of water from two pumping wells 20 feet apart.

This stagnation could significantly increase the amount of dissolved minerals contained in water within the zone. However, geologic evidence does not support the presence of boron, iodide, bromide and other constituents in the aquifer materials in quantities sufficient to raise the concentration of these constituents to their present levels (see analyses in appendix A).

Irrigation practices might increase the dissolved-solids content of ground water. Salts in the water removed from the aquifer for irrigation can be concentrated by evaporation or leaching before reentering the aquifer. To contaminate the aquifer to the extent shown on figure 5 would require a large amount of return flow after evaporation and/or a significant amount of salt to be present in the soil.

Holland and Ludwig (1981) state that as a general rule only 25 percent of ground water removed for rice irrigation returns to the aquifer. Using Holland and Ludwig's (1981) figure of 125.6 Mgal/d of ground-water withdrawal for irrigation, a 25 percent return rate would equal 31.4 Mgal/d. Therefore, approximately 11 billion gallons of irrigation water are returned annually to the aquifer. This would not exceed 2.5 percent of the total water present in the alluvial aquifer in Monroe County (D. J. Ackerman, U.S. Geological Survey, written commun., 1985). In addition, with initial chloride concentrations as low as 0.3 mg/L, significant contamination resulting from the process of irrigation water evaporation and subsequent concentration of dissolved solids seems doubtful. The possibility of leaching of sodium and chloride from the soil as irrigation water percolates through it also appears to be a remote possibility. The majority of soils in the area are of the calcium magnesium bicarbonate type (Maxwell and others, 1978) and have low concentrations of both sodium and chloride.

Deeper formations are the most likely source of saltwater in the study area. Although only limited water-quality data are available from deep strata, an oil and gas test well open to the Nacatoch aquifer at a depth of 2,240 feet below land surface (well no. 217) was sampled in 1950. This well was sealed off after sampling because of complaints of surface contamination. At the time of sampling the well was artesian, flowing at a rate of 2-3 gallons per minute (gal/min); gas bubbles were evident in the discharge and the water was yellow-black.

Evidence that water from the Nacatoch aquifer or a formation with a similar chemical composition is contaminating shallower formations is shown in the Piper quadralinear diagram of figure 9. Two analyses of water from the Nacatoch aquifer near El Dorado, Arkansas (fig. 1) are included for comparative purposes. The chemical composition of water from each well with respect to the combination of ions shown on figure 9 is plotted on the Piper diagram. The diagram is used to determine whether a particular well-water chemistry may be the result of a simple mixture of two separate well waters. A mixture of two waters should plot on a straight line between the plotted points of the individual well waters barring any effects of ion complexes and activity coefficients. Judging by the dashed line drawn in figure 9, water from the Nacatoch aquifer has mixed with water from the alluvial aquifer.

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Another method of determining the source of contamination of the alluvial aquifer is to plot concentrations of selected constituents against related chloride concentrations found in both the alluvial aquifer and deeper formations. If the relation between the uncontaminated alluvial aquifer, contaminated alluvial aquifer, and Nacatoch aquifer plot on a straight line, then support is given to the possibility of contamination of the alluvium by the Nacatoch aquifer or another aquifer with a similar chemical composition. Those constituents which occur in water samples from the Nacatoch aquifer in significant concentrations but occur in water samples from the alluvial and Sparta aquifers in much lower concentrations include bromide, iodide and boron.

Figure 10 shows a log-log relation of bromide to chloride concentrations. This relation and others to be discussed are based on analyses of water samples from the Nacatoch aquifer near the El Dorado, Arkansas area because no analyses for bromide, iodide or boron were available for well no. 217, the only well tapping the Nacatoch aquifer in the study area. As figure 10 shows, the relation of bromide to chloride concentrations in water samples from the alluvial, Sparta and Nacatoch aquifers plot on a straight line. Figure 11 exhibits this same correlation for iodide to chloride concentrations. Figure 12, a plot of boron to chloride concentrations, shows a good correlation between the alluvial and Nacatoch aquifer. However, the correlation between the Sparta and Nacatoch aquifers is not as good. All of these relations point to a dilution of water from the Nacatoch aquifer as it migrates into the shallower Sparta and alluvial aquifers.

POSSIBLE AVENUES OF CONTAMINATION FROM DEEPER FORMATIONS

Saltwater intrusion into the alluvial aquifer can probably be attributed to upward migration from deeper aquifers. Sources of saline ground water occur beneath the alluvial aquifer. Cushing (1966) indicates that all water-bearing formations beneath the Sparta Sand in the southern part of the study area and below the Carrizo Sand in the northern part contain saltwater. As previously discussed, the Nacatoch aquifer was found to be flowing at the surface in 1950, thus providing the driving force for any upward movement from this aquifer. The specific mechanism through which the upward intrusion of this saline ground water occurs is probably the result of one or more of the following:

1. Upward leakage from the contaminated Sparta aquifer into the alluvial aquifer where the Jackson Group (a confining unit) is thin or absent,
2. Upward leakage into the alluvial and Sparta aquifers directly or indirectly along a fault, and
3. Movement through abandoned oil and gas test holes in the study area.

Leakage Through the Jackson Group

The most likely avenue for the intrusion of saltwater into the alluvial aquifer is movement of saltwater from the Sparta aquifer through the Jackson Group where that confining unit has been thinned by erosion. The apparently meandering character of the saltwater band in the alluvial aquifer also suggests such channeling. However, site specific information showing the effectiveness of the Jackson Group as a confining unit are not available.

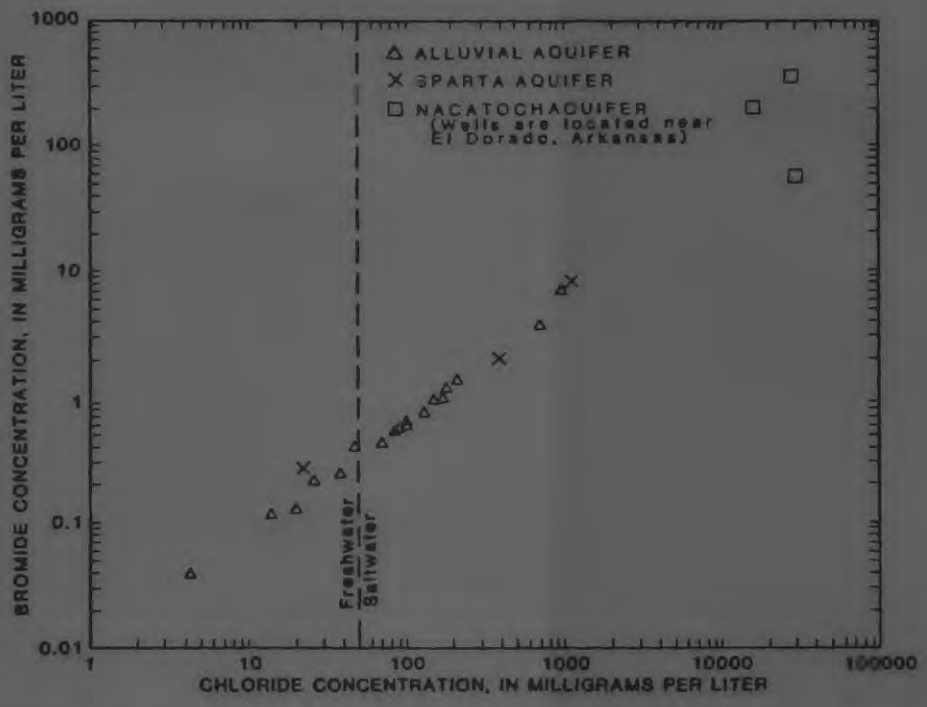

Figure 10.--Bromide versus chloride concentrations of water from wells in the vicinity of Brinkley, Arkansas.

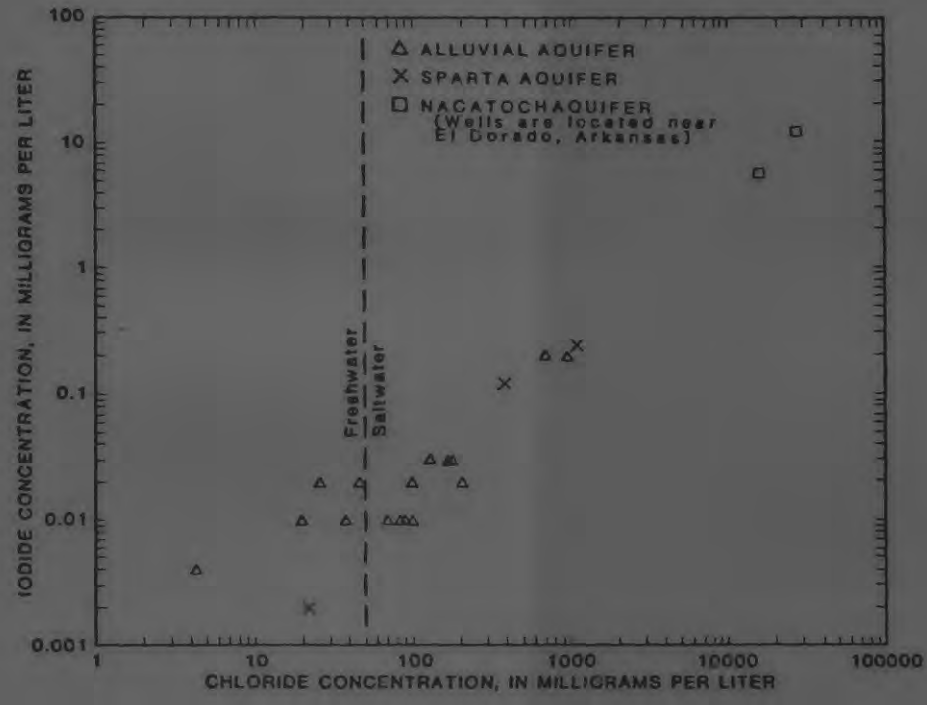

Figure 11.--Iodide versus chloride concentrations of water from wells in the vicinity of Brinkley, Arkansas.

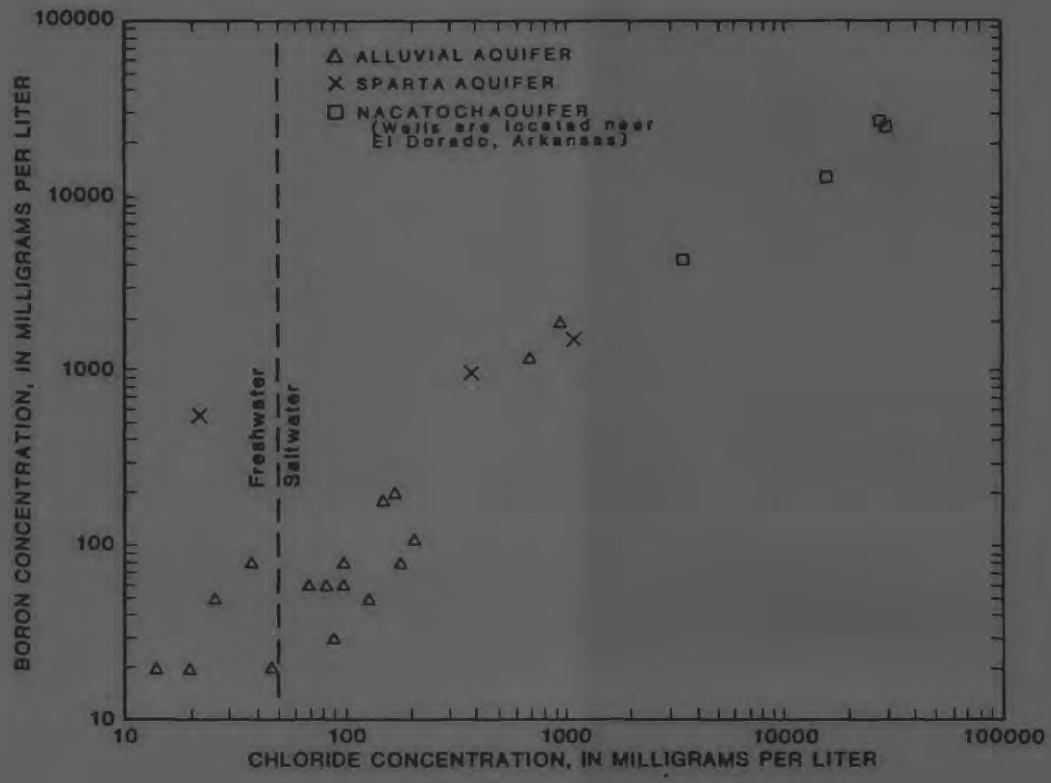

Figure 12.--Boron versus chloride concentrations of water from wells in the vicinity of Brinkley, Arkansas.

Faulting

The presence of a fault would help explain the upward intrusion of saltwater from the Nacatoch aquifer through several hundred feet of overlying material, into the alluvial aquifer. A fault just north of the study area is known, however, data were not sufficient to show that the fault extends into the study area. Assuming that any faulting took place, it should have affected both aquifers at the same time. The occurrence of saltwater in the Sparta aquifer is documented as early as 1904 while saltwater intrusion into the alluvial aquifer appears to have started in the late 1940's. This variation with time of intrusion make it unlikely that faulting is the cause of saltwater intrusion into the alluvial aquifer.

Gas Test Wells

A review of known abandoned oil and gas test well sites in this area revealed one site as a potential source of contamination. However, water-quality analyses of samples from two wells constructed in the alluvial aquifer (well nos. 170 and 171) adjacent to this test well location (well I on figure 2) yielded chloride concentrations of 90 and 130 mg/L, respectively, considerably less than the 960 mg/L which was determined from samples obtained from a nearby well (well no. 179). All known oil and gas test well locations are shown on figure 2. Available data for these wells are shown in table 3 (from Branner, 1937 and Dobie and Hughes, 1956). All of these wells were dry and are now abandoned. These wells generally were plugged and the upper casing removed. Therefore today there is little or no evidence of these wells on the surface.

There appears to be little or no correlation between the location of abandoned oil and gas test wells and the occurrence of saltwater contamination in the alluvial aquifer. However, since it appears that most of these wells would be flowing if cased to the land surface, leakage from a well casing cannot be ruled out as a possible future avenue of contamination. The most likely reason for leakage would be corrosion of the steel well casing by saltwater.

WATER USE AND DECLINING WATER LEVELS

The alluvial aquifer is a major source of irrigation water supply in the study area. In 1980, ground-water use in Monroe County, in which most of the study was done, was 165.21 million gallons per day (Mgal/d) from the alluvial aquifer (Holland and Ludwig, 1981); a 100 percent increase over 1975 use (Halberg, 1977). Withdrawals from the Sparta aquifer indicate a similar trend with the 1980 use of 1.67 Mgal/d being 100 percent greater than the corresponding 1975 use.

This increased use is reflected in a lowering of water levels in both aquifers. Since predevelopment the potentiometric surface of the alluvial aquifer has declined a maximum of 15 feet at Brinkley (D. J. Ackerman, U.S. Geological Survey, written commun., 1985 and Edds and Fitzpatrick, 1984a). The Sparta aquifer potentiometric surface has declined 28 feet since predevelopment (Reed, 1972 and Edds and Fitzpatrick, 1984b). The spring, 1984 potentiometric surface for the alluvial aquifer in the study area is shown on figure 13.

Table 3.--Description of oil and gas test wells

(Dobie and Hughes, 1956, Branner, 1937)

Well no.	Permit no.	Owner	Lease	Location				Total depth (feet)	Elev. (feet)
				Description	Sec.	Twp.	Rge.		
A	6,872	Coker, James H.	McClain	C NE NW	15	4N	2W	2527	200
B	Core hole	Seaboard Oil Co.	---	NE NE NE	6	2N	2W	2930	---
C	Core hole	Seaboard Oil Co.	---	SW NW SW	11	2N	2W	3156	182
D	Core hole	Seaboard Oil Co.	---	SW SW SE	23	2N	2W	3290	---
E	Core hole	Seaboard Oil Co.	---	SW SW SE	12	4N	3W	2335	---
F	9,986	Smith, J. P., Oil Co.	J. P. Smith-Sims	620' W 600' S NEc SW NE	34	4N	2W	2701	---
G	8,225	Sohio Prod. C.	Dewell Gann	C SW SW SW	22	3N	3W	3164	170
H	9,675	Stratton Drilling Co.	Bessie Moore	680' S 330' E NWc SW	26	2N	3W	3010	176
I	6,614	Burch, John G.,	Stinson, M. R.	330' N 330' W SEc SW	27	4N	2W	2240	---
J	---	Clarendon Bowler Well & Const. Co.	Jefferies	SWc SW SE	13	1N	3W	3008	175
K	---	Prairie O & G Co.	Jeffery	---	13	1N	2W	3070	---
L	1,010	Traffic O Co.	Clark	150' N 150' W SEc NE NE	23	3N	2W	2498	188.2
M	9,250	Petroleum Products Corp.	R. R. Tombaugh	350' N 500' W SEc	7	4N	1W	200	---
N	9,311	Barnwell, R. S.	R. R. Tombaugh	100' S 1980' W NEc	8	4N	1W	2671	214
O	9,054	Petroleum Products Co.	Engler Bros. (Caples)	C SE SE SE	17	4N	1W	2725	209
P	9,846	Garson-Sands	L. E. Porter	660' S 330' W NEc	20	4N	1W	2754	210
Q	6,138	Ark Natural Gas Co.	Swearingen	2100' N 970' E SEc	14	6N	1E	3043	215
R	---	Jennings, J. W. (Whitted F. T., Tr)	Whitted, F. T.	NW NW	28	4N	1W	2745	224
S	---	Jennings, J. W. (Pace, P. B.)	Whitted, F. T.	NW NW	28	4N	1W	2325	212
T	6,431	Fields, Jenkins & Jones	Wellford	265' N 165' W SEc NE NE	29	4N	1W	625	---
U	7,495	Hargraves, D. T., Jr. Tr. (U.S. Oil Corp.)	J. T. Wellford	575' W 450' S NEc SE NE	29	4N	1W	2265	210
V	7,711	Hargraves, D. T., Jr., Tr. (U.S. Oil Corp.)	M. J. Peters	C NE NE NE	21	4N	1W	2505	205

As water levels decline in the alluvial aquifer the opportunity for upward intrusion of saltwater from underlying sources increases. During the spring of 1983 the potentiometric surface of the Sparta aquifer was approximately equal to or greater than that of the alluvial aquifer in the northern one-half of the study area. In the remainder of the study area the potentiometric surface of the Sparta aquifer was lower than that of the alluvial aquifer (Edds and Fitzpatrick, 1984a and 1984b). The area where the potentiometric surface of the Sparta aquifer was equal to or greater than that of the alluvial aquifer is shown on figure 13.

CONSEQUENCES OF SALTWATER USE

Saltwater may contain a number of minerals which make it unsuitable for for use. Although chloride is used as a criterion for saltwater contamination it is not the only criterion used to judge the quality of ground water for domestic, industrial, or agricultural use. High sodium concentrations may produce adverse effects. Boron, which is often associated with high sodium chloride concentrations, may limit the use of ground waters.

Chloride is not considered a health problem in domestic water supply. However, because of imparting an objectionable taste to the water and possible corrosion of hot water pipes, a level of 250 mg/L chloride has been set by the U.S. Environmental Protection Agency (EPA) as a reasonable goal in National Secondary Drinking Water Regulations, 1979. The EPA (National Academy of Sciences, 1974) states that "in terms of permissible chloride concentration in irrigation water, values up to 20 milliequivalents per liter (708 mg/L) can be used, depending upon environmental conditions, crops, and irrigation management practices." The highest chloride concentration observed in water samples from the alluvial aquifer was 960 mg/L from well no. 179. The highest chloride concentration found in water samples from the Sparta aquifer was 1,100 mg/L from well no. 213.

Sodium is strongly associated with chloride in the saltwater in the Brinkley area. Sodium has been linked to high blood pressure in humans. The EPA (Natural Academy of Sciences, 1974) requires suppliers of water for community public water systems to analyze for sodium although no maximum contaminant level has been set. The National Academy of Sciences (1977) states that "a large proportion of the population, about 3%, is on sodium restricted diets····In many diets allowance is made for water to contain 100 mg/L of sodium." The highest sodium concentration observed in water samples from the alluvial aquifer was 550 mg/L from well no. 179. The highest sodium concentration observed in samples from the Sparta aquifer was 700 mg/L from well no. 213.

Whereas the adverse effect of sodium in drinking water may not be resolved, the adverse effect in irrigation water is clearly documented. Although some crops may be directly affected by high sodium concentrations in irrigation water the most detrimental affect of sodium is its ability to exchange with calcium and magnesium on soil particles, thereby altering the character of the soil. The sodium hazard to soils may be evaluated using the sodium-adsorption-ratio (SAR). This ratio is defined by the equation:

$$SAR = Na^{+}/\sqrt{(Ca^{++} + Mg^{++})/2}$$

where Na^{+}, Ca^{++}, and Mg^{++} represent the concentrations in milliequivalents per liter of the respective ions.

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Another method of determining the suitability of ground water for irrigation is to measure the dissolved salts of the irrigation water. This may be done by measuring the electrical conductivity of the water and expressing the result in microsiemens per centimeter at 25° Celsius (specific conductance (µS/cm) in Attachment A). The U.S. Department of Agriculture (Richards, 1954) has devised a sodium hazard diagram for the classification of irrigation waters incorporating SAR and conductivity. A modification of this diagram is shown in figure 14 and includes all wells for which sufficient data were available to make calculations. Although not many wells have a high to very high classification at this time, the number fitting these classifications would be expected to increase as saltwater intrusion continues.

Boron is often associated with source waters that contribute to saltwater problems. Boron is essential to the normal growth of all plants, but the quantity required is very small (Richards, 1954). The U.S. Environmental Protection Agency (1976) has set a criterion of 750 micrograms per liter (UG/L as B in Attachment A). The maximum boron concentration observed in water from the alluvial aquifer was 1,900 micrograms per liter (µg/L) from well no. 179. The highest boron concentration observed in water from the Sparta aquifer was 1,500 µg/L from well no. 213.

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SUMMARY AND CONCLUSIONS

Saltwater problems are not new in the Brinkley area. The earliest record of saltwater problems in the alluvial aquifer is 1946. Early (1904) records indicate that a public supply well drilled in the Sparta aquifer contained saltwater (chloride concentration greater than or equal to 50 mg/L). After the late 1940's, saltwater problems appear to have spread rapidly in the alluvial aquifer. Water from an irrigation well in the alluvial aquifer just north of Brinkley had a chloride concentration of 22 mg/L in 1949. In 1982 water from this well had a chloride concentration of 800 mg/L and was in the center of the highest saltwater area found in the study. An area of approximately 56 mi^2 is currently affected by saltwater intrusion.

The cause of saltwater intrusion into the alluvial aquifer appears to be upward movement of saltwater from deeper aquifers. Comparisons of chemical analyses of water samples from the alluvial, Sparta, and Nacatoch aquifers indicate that the deeper Nacatoch aquifer is the source of saltwater intrusion. Three possible avenues of intrusion into the alluvial aquifer from the Nacatoch aquifer were explored:

1. Upward leakage from the contaminated Sparta aquifer into the alluvial aquifer where the Jackson Group (a confining unit) is thinned or absent,
2. Upward leakage into the alluvial and Sparta aquifers directly or indirectly along a fault, and
3. Movement of water from the Nacatoch aquifer directly upward into the Sparta or alluvial aquifers through abandoned oil and gas test holes.

The most likely avenue for intrusion of saltwater into the alluvial aquifer is movement of water from the Sparta aquifer through the Jackson Group where that confining unit has been thinned by erosion. Data indicate that the chemical composition of water containing the highest known concentration of saltwater in the alluvial aquifer is similar to the composition of water obtained from the Sparta aquifer. This similarity supports the possibility of alluvial aquifer contamination by the Sparta aquifer.

Leakage of saltwater from the Nacatoch aquifer into the Sparta aquifer along a fault is a possibility. However, evidence does not support similar intrusion into the alluvial aquifer along a fault because of the variation in time of contamination of the two aquifers.

The possibility of saltwater intrusion from the Nacatoch aquifer into the alluvial or Sparta aquifers via abandoned oil and gas test wells cannot be ruled out as a future avenue of contamination. The potentiometric surface of the Nacatoch aquifer is high enough in the study area to force water into either the alluvial or Sparta aquifer through a breached well casing. However, an early (1904) record of saltwater occurrence in the Sparta aquifer probably rules out oil and gas test wells as a source of this contamination as no recorded drilling of oil and gas test wells occurred prior to this time.

If intrusion into the alluvial aquifer is indeed due to upward leakage from the Sparta aquifer, then contamination of the alluvial aquifer can be expected to become no more severe than conditions indicated by the poorest water quality in the Sparta aquifer. Where the water level in the Sparta aquifer is higher than the water level in the alluvial aquifer a fall in water level of the Sparta aquifer (or an increase in water level of the alluvial aquifer) in the area of saltwater contamination would reduce the intrusion from the Sparta aquifer. Likewise, opposite circumstances would increase the intrusion from the Sparta aquifer. Furthermore, intrusion into the Sparta aquifer from a deeper aquifer may not be taking place at this time. Contamination could have taken place along an open fault in the past and this fault could have filled in, removing the source of intrusion. In this case, water quality from both the Sparta and the alluvial aquifers would be expected to improve with continued pumping.

Additional monitoring of wells in the area would be beneficial to determine if saltwater concentrations are increasing and to monitor in which direction, if any, the saltwater is spreading. A ground-water model could help predict future areas of saltwater intrusion. Drilling of additional test wells into the Sparta aquifer could help determine if this aquifer is still being contaminated from below.

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ATTACHMENT A.--WATER-QUALITY DATA FOR WELLS IN THE VICINITY OF BRINKLEY, ARKANSAS

WELL NO. 1 LOCAL NO. 01N01W04DAA1 SITE ID 344331091062001
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1983						
15...	1705	6	187.00	17.0	1020	57

WELL NO. 2 LOCAL NO. 01N01W07ACC1 SITE ID 344249091085201 OWNER - BATEMAN BROTHERS
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
27...	1200	6	183.00	18.0	460	11

WELL NO. 3 LOCAL NO. 01N01W08BCD1 SITE ID 344247091071001 OWNER - WILEY MEACHAM
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
27...	1200	6	182.00	18.0	790	34

WELL NO. 4 LOCAL NO. 01N01W21CDC1 SITE ID 344034091071001 OWNER - ALOYS RINEHART
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (GPM) (00058)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
JUL , 1973									
13...	--	6	181.00	134	1290	17.0	520	--	--
JUL , 1974									
19...	1515	6	--	--	1330	17.0	556	7.2	2

DATE	TIME	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUL , 1974									
19...	1515	262	320	0	32	270	8	75	20

DATE	TIME	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SULFIDE TOTAL (MG/L AS S) (00745)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
JUL , 1974									
19...	1515	15	11	.4	2.6	10	26	.1	<.10

DATE	TIME	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
JUL , 1974								
19...	1515	.590	.20	36	332	350	4600	610

WELL NO. 5. LOCAL NO. 01N02W01CCC1 SITE ID 344316091103001 OWNER - QUINCY MURPHY
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1983						
16...	1520	6	181.00	17.0	610	21

WELL NO. 6 LOCAL NO. 01N02W01DAB1 SITE ID 344337091093901
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
27...	1200	6	185.00	18.0	700	29

WELL NO. 7 LOCAL NO. 01N02W04ACB1 SITE ID 344359091131001
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
26...	1200	6	186.00	18.5	425	12

WELL NO. 8 LOCAL NO. 01N02W05ACD1 SITE ID 344352091140701
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1983						
16...	1410	6	186.00	17.0	590	24

WELL NO. 9 LOCAL NO. 01N02W06BBB1 SITE ID 344413091154501
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1983						
16...	1320	6	182.00	17.5	570	29

WELL NO. 10 LOCAL NO. 01N02W10BCA1 SITE ID 344258091122601 OWNER - ROY SCHENK
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)
JUN , 1975						
25...	1330	6	185.00	17.0	358	7.5

WELL NO. 11 LOCAL NO. 01N02W11BAB1 SITE ID 344315091111201
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
JUL , 1983						
26...	1200	6	186.00	18.0	440	6.8

WELL NO. 12 LOCAL NO. 01N02W12CBB1 SITE ID 344245091103001
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
JUL , 1983						
26...	1200	6	182.00	18.0	450	7.7

WELL NO. 13 LOCAL NO. 01N02W12CCC1 SITE ID 344223091103101
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
JUL , 1983						
26...	1200	6	182.00	18.5	465	8.7

WELL NO. 14 LOCAL NO. 01N02W14DAA1 SITE ID 344158091103701 OWNER - GEISLER
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	COLOR (PLATINUM-COBALT UNITS) (00080)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)	CARBONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)
JUN , 1961										
27...	—	6	17.0	390	7.4	15	197	240	0	15

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
JUN , 1961									
27...	—	200	0	59	12	8.7	9	.3	1.8

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	IRON, DISSOLVED (UG/L AS FE) (01046)
JUN , 1961									
27...	—	6.0	8.8	.11	.30	15	256	230	0

WELL NO. 15 LOCAL NO. 01N02W20ABB1 SITE ID 344132091140601 OWNER - LONNIE JOHNSON
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)	CARBONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
JUN , 1975											
05...	1200	6	180.00	100	17.5	420	7.8	220	0	5.5	12

WELL NO. 16 LOCAL NO. 01N02W22DAB1 SITE ID 344103091115501 OWNER - PARK GROVE CHURCH
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)
SEP , 1953										
17...	--	6	180.00	20.50	64	6.7	21	26	0	8.2

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)
SEP , 1953										
17...	--	15	0	4.5	.80	3.0	7.0	.09	130	440

WELL NO. 17 LOCAL NO. 01N03W12CBB1 SITE ID 344254091165401 OWNER - BATEMAN BROTHERS
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983							
26...	1200	6	186.00	125	18.0	315	2.6

WELL NO. 18 LOCAL NO. 01N03W13CCA1 SITE ID 344148091164801 OWNER - EARL UMHOLTZ
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1983							
16...	0920	6	187.00	110	17.0	335	.80

WELL NO. 19 LOCAL NO. 01N03W14BAB1 SITE ID 344227091173801
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
JUL , 1983						
29...	1200	6	176.00	18.0	310	3.0

WELL NO. 20 LOCAL NO. 01N03W23BAD1 SITE ID 344125091173601 OWNER - CROENN NELSON
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	FLOW RATE (GPM) (00058)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	COLOR (PLATINUM-COBALT UNITS) (00080)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)	CARBONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)
JUL , 1974											
24...	1115	6	1190	17.0	386	7.4	5	176	210	0	14

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
JUL , 1974										
24...	1115	170	0	51	11	11	12	.4	8.7	10

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
JUL , 1974										
24...	1115	16	<.10	.320	.20	44	247	260	4100	2000

WELL NO. 21 LOCAL NO. 01N03W24BBD1 SITE ID 344121091164201 OWNER - W. M. LEE
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD NITS) (00400)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)
JUL , 1961										
14...	--	6	186.00	123	17.0	292	7.2	5	138	170

DATE	TIME	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
JUL , 1961									
14...	--	0	17	140	1	36	12	7.0	10

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
JUL , 1961									
14...	--	.3	1.6	7.5	8.4	.18	210	4900	0

WELL NO. 22 LOCAL NO. 02N01W04CBA1 SITE ID 344857091065301 OWNER
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)
AUG , 1983											
03...	1130	6	189.00	17.5	900	7.2	420	460	0	46	410
15...	1415	6	189.00	17.0	890	--	--	--	--	--	--

DATE	TIME	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
AUG , 1983											
03...	1130	0	110	33	36	16	.8	2.2	26	66	<.10
15...	1415	--	--	--	--	--	--	--	31	--	--

DATE	TIME	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	IODIDE, DIS-SOLVED (MG/L AS I) (71865)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	BORON, DIS-SOLVED (UG/L AS B) (01020)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)
AUG , 1983											
03...	1130	.20	31	510	540	4400	520	.020	12	50	.22

WELL NO. 23 LOCAL NO. 02N01W05AAB1 SITE ID 344923091071301
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1983						
15...	1510	6	188.00	17.0	900	20

WELL NO. 24 LOCAL NO. 02N01W07CCC2 SITE ID 344739091091802
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (GPM) (00058)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD NITS) (00400)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)
JUL , 1974											
24...	0850	6	--	--	1810	16.5	883	7.1	3	397	480
JUL , 1983											
26...	1200	6	191.00	140	--	18.0	770	--	--	--	--

DATE	TIME	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
JUL , 1974											
24...	0850	0	61	360	0	97	29	52	24	1	2.0

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
JUL , 1974											
24...	0850	42	27	.55	.280	.20	31	465	520	2900	310
JUL , 1983											
26...	1200	42	--	--	--	--	--	--	--	--	--

WELL NO. 25 LOCAL NO. 02N01W08AAC1 SITE ID 344817091072001
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
28...	1200	6	185.00	18.0	815	44

WELL NO. 26 LOCAL NO. 02N01W09DAC1 SITE ID 344755091061901
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
28...	1200	6	185.00	18.0	930	37

WELL NO. 27 LOCAL NO. 02N01W18CCB1 SITE ID 344655091091901 OWNER - JERESA LAND CO.
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
26...	1200	6	190.00	18.0	865	71

WELL NO. 28 LOCAL NO. 02N01W19CDA1 SITE ID 344600091084701 OWNER - KENNETH FRIAR
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
26...	1200	6	196.00	18.0	840	45

WELL NO. 29 LOCAL NO. 02N01W20DAB1 SITE ID 344613091072601
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
27...	1200	6	187.00	18.0	665	9.6

WELL NO. 30 LOCAL NO. 02N01W31AAA1 SITE ID 344456091081601
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1983						
16...	1620	6	197.00	17.5	950	48

WELL NO. 31 LOCAL NO. 02N01W32DCA1 SITE ID 344415091073501
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1983						
15...	1625	6	193.00	17.5	810	44

WELL NO. 32 LOCAL NO. 02N02W02BBA1 SITE ID 344925091111301 OWNER - ROBERT FITTS
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1984							
08...	1730	6	195.00	125	18.0	782	50

WELL NO. 33 LOCAL NO. 02N02W03CAA1 SITE ID 344853091120001
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1984						
09...	0815	6	191.00	17.0	1470	260

WELL NO. 34 LOCAL NO. 02N02W04AAA1 SITE ID 344926091122901 OWNER - ED DOPPLE
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1984							
09...	0930	6	189.00	122	17.5	1100	120

WELL NO. 35 LOCAL NO. 02N02W04DDD1 SITE ID 344833091122901 OWNER - VIRGIL ENGLER
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
SEP , 1982						
10...	--	6	186.00	17.5	1620	320

WELL NO. 36 LOCAL NO. 02N02W05CBB1 SITE ID 344901091143401 OWNER - GLEN FULLER
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAM-PLING DEPTH (FEET) (00003)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)
MAY , 1975									
20...	--	6	189.00	135	--	--	1650	--	--
23...	--	6	189.00	135	--	--	1660	--	--
JUN									
03...	--	6	189.00	135	--	--	1680	--	--
29...	1000	6	189.00	135	135	--	1650	7.5	374
JUL									
02...	--	6	189.00	135	--	--	1660	7.4	--
12...	--	6	189.00	135	--	--	--	7.6	--
12...	1100	6	189.00	135	--	--	1680	7.6	381
SEP , 1982									
09...	--	6	189.00	135	--	--	1280	--	--
JUL , 1983									
28...	1200	6	189.00	135	--	18.5	1020	--	--
AUG									
02...	1300	6	189.00	135	--	18.0	1270	7.3	420

WELL NO. 36 LOCAL NO. 02N02W05CBB1 SITE ID 344901091143401 OWNER - GLEN FULLER
ALLUVIAL AQUIFER - CONTINUED

DATE	TIME	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)	CARBONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
JUN , 1975									
29...	1000	460	0	23	410	37	110	33	150
JUL , 1975									
12...	1100	460	0	19	--	--	--	--	150
AUG , 1983									
02...	1300	470	0	37	380	0	100	32	110

DATE	TIME	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)
MAY , 1975									
23...	--	--	--	--	230	--	--	--	--
JUN									
29...	1000	--	3	--	230	--	--	--	--
JUL									
02...	--	--	--	--	230	--	--	--	--
12...	1100	--	--	--	240	--	--	--	--
SEP , 1982									
09...	--	--	--	--	220	--	--	--	--
JUL , 1983									
28...	1200	--	--	--	160	--	--	--	--
AUG									
02...	1300	38	3	3.0	170	9.2	<.10	.30	30

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	IODIDE, DISSOLVED (MG/L AS I) (71865)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	BORON, DISSOLVED (UG/L AS B) (01020)	BROMIDE DISSOLVED (MG/L AS BR) (71870)
MAY , 1975									
20...	--	1070	--	--	--	--	--	--	--
23...	--	1080	--	--	--	--	--	--	--
JUN									
03...	--	1090	--	--	--	--	--	--	--
29...	1000	--	--	6300	--	--	--	--	--
JUL									
02...	--	1080	--	--	--	--	--	--	--
AUG , 1983									
02...	1300	652	690	4600	320	.030	19	200	1.0

WELL NO. 37 LOCAL NO. 02N02W06AAD1 SITE ID 344920091144201 OWNER - FULLER FARMS
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)
SEP , 1982											
10...	--	6	189.00	110	17.5	750	--	--	--	--	--
AUG , 1983											
02...	1330	6	189.00	110	17.5	812	7.3	340	370	0	29

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
SEP , 1982											
10...	--	--	--	--	--	--	--	--	--	95	--
AUG , 1983											
02...	1330	310	0	84	25	42	22	1	2.0	70	10

DATE	TIME	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	IODIDE, DIS-SOLVED (MG/L AS I) (71865)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	BORON, DIS-SOLVED (UG/L AS B) (01020)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)
AUG , 1983											
02...	1330	.86	.30	30	450	450	3400	.010	13	60	.44

WELL NO. 38 LOCAL NO. 02N02W06DCB1 SITE ID 344845091150901 OWNER - FULLER FARMS
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
SEP , 1982							
10...	--	6	186.00	130	17.5	1030	200

WELL NO. 39 LOCAL NO. 02N02W06DDA1 SITE ID 344843091143701
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
28...	1200	6	189.00	18.5	1420	240

WELL NO. 40 LOCAL NO. 02N02W07ACD1 SITE ID 344810091145601 OWNER - FULLER FARMS
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
SEP , 1982						
10...	---	6	186.00	17.5	1450	260

WELL NO. 41 LOCAL NO. 02N02W11BBA1 SITE ID 344830091111501 OWNER - GARY F. SMITH
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1984							
08...	1800	6	194.00	134	17.5	1320	180

WELL NO. 42 LOCAL NO. 02N02W11BBD1 SITE ID 344818091111801 OWNER - SAM MEDFORD
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)	CARBONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	HARDNESS (MG/L AS CACO3) (00900)
JUN , 1983											
22...	1650	6	192.00	17.5	1110	--	--	--	--	--	--
AUG											
02...	1530	6	192.00	17.5	1270	7.3	440	500	0	40	390
11...	1350	6	192.00	17.5	1280	--	--	--	--	--	--

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	GEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
JUN , 1983											
22...	1650	--	--	--	--	--	--	--	160	--	--
AUG											
02...	1530	0	100	34	110	38	3	2.6	150	20	<.10
11...	1350	--	--	--	--	--	--	--	150	--	--

DATE	TIME	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	IODIDE, DISSOLVED (MG/L AS I) (71865)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	BORON, DISSOLVED (UG/L AS B) (01020)	BROMIDE DISSOLVED (MG/L AS BR) (71870)
AUG , 1983											
02...	1530	.20	28	685	700	4700	380	<.010	18	180	.98

WELL NO. 43 LOCAL NO. 02N02W11CBB1 SITE ID 344802091111901 OWNER - SAM MEDFORD
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLING DEPTH (FEET) (00003)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
SEP , 1975									
10...	--	6	195.00	93.00	93.0	18.0	1090	7.3	364
SEP , 1982									
10...	--	6	195.00	93.00	--	17.0	1240	--	--
AUG , 1983									
02...	1615	6	195.00	93.00	--	22.0	1450	7.3	480
11...	1320	6	195.00	93.00	--	17.5	1420	--	--

DATE	TIME	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)	CARBONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
SEP , 1975									
10...	--	440	0	35	340	0	86	30	83
AUG , 1983									
02...	1615	530	0	42	520	43	140	42	100

DATE	TIME	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)
SEP , 1975									
10...	--	--	2	--	100	--	--	--	--
SEP , 1982									
10...	--	--	--	--	160	--	--	--	--
AUG , 1983									
02...	1615	29	2	2.4	210	14	<.10	.20	31
11...	1320	--	--	--	140	--	--	--	--

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	IODIDE, DISSOLVED (MG/L AS I) (71865)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	BORON, DISSOLVED (UG/L AS B) (01020)	BROMIDE DISSOLVED (MG/L AS BR) (71870)
SEP , 1975									
10...	--	558	--	2800	--	--	--	--	--
AUG , 1983									
02...	1615	825	810	4700	740	.020	12	110	1.4

WELL NO. 44 LOCAL NO. 02N02W11DCC1 SITE ID 344741091105401 OWNER - SAM MEDFORD
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1983						
11...	1230	6	191.00	17.5	1440	200

WELL NO. 45 LOCAL NO. 02N02W13ABB1 SITE ID 344738091095291
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
28...	1200	6	190.00	18.0	1010	110

WELL NO. 46 LOCAL NO. 02N02W14ABB1 SITE ID 344738091103401
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1983						
11...	1425	6	191.00	17.0	1440	190

WELL NO. 47 LOCAL NO. 02N02W14BBA1 SITE ID 344738091111501
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUN , 1983						
22...	1725	6	187.00	17.0	730	69
AUG						
11...	1300	6	187.00	17.5	850	87

WELL NO. 48 LOCAL NO. 02N02W15BBA1 SITE ID 344740091121401 OWNER - MALLARD FARMS
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUN , 1983							
22...	1730	6	183.00	130	17.5	1710	340

WELL NO. 49 LOCAL NO. 02N02W15CAC1 SITE ID 344707091121301 OWNER - MALLARD FARMS
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUN , 1983						
22...	1745	6	183.00	17.5	1500	220

WELL NO. 50 LOCAL NO. 02N02W17ACC1 SITE ID 344717091135901 OWNER - GEORGE HILSON
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
SEP , 1982							
02...	--	6	187.00	E115	18.0	1940	370
JUL , 1983							
28...	1200	6	187.00	--	18.5	1780	370

WELL NO. 51 LOCAL NO. 02N02W17BCC1 SITE ID 344717091143201 OWNER - D. C. MORRISON
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)
JUL , 1975											
08...	1000	6	187.00	110	110	1820	7.5	361	440	0	22
10...	--	6	187.00	110	--	1790	7.4	--	--	--	--
12...	1800	6	187.00	110	110	1780	7.6	--	--	--	--

WELL NO. 51 LOCAL NO. 02N02W17BCC1 SITE ID 344717091143201 OWNER - D. C. MORRISON
ALLUVIAL AQUIFER - CONTINUED

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION RATIO (00931)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	IRON, DISSOLVED (UG/L AS FE) (01046)
JUL , 1975										
08...	1000	510	150	130	44	180	4	320	822	5500
10...	--	--	--	--	--	--	--	300	--	--
12...	1800	480	--	120	43	180	4	300	909	5000

WELL NO. 52 LOCAL NO. 02N02W17BCC2 SITE ID 344717091143202 OWNER - D. C. MORRISON
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
SEP , 1982							
03...	--	6	187.00	110	18.0	2180	400
JUL , 1983							
28...	1200	6	187.00	110	18.5	1890	410

WELL NO. 53 LOCAL NO. 02N02W17CBB1 SITE ID 344713091143601 OWNER - GEORGE HILSDON
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
SEP , 1982							
08...	--	6	185.00	E115	18.0	1940	370

WELL NO. 54 LOCAL NO. 02N02W18DBB1 SITE ID 344715091150701
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
JUL , 1983						
28...	1200	6	186.00	18.5	2120	460

WELL NO. 55 LOCAL NO. 02N02W20BBB1 SITE ID 344647091143701
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
26...	1200	6	188.00	18.0	1160	150

WELL NO. 56 LOCAL NO. 02N02W20BBC1 SITE ID 344638091143701 OWNER - TOWNSEND ESTATE
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	FLOW RATE (GPM) (00058)	SAM-PLING DEPTH (FEET) (00003)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)
AUG , 1974											
07...	—	6	640	98.0	18.0	1030	7.2	3	358	440	0

DATE	TIME	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1974											
07...	—	44	390	32	100	34	65	26	1	5.1	110

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
AUG , 1974										
07...	—	25	.72	.440	.20	35	588	590	4000	390

WELL NO. 57 LOCAL NO. 02N02W21DDC1 SITE ID 344558091124901 OWNER - JAMES CROMLEY
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983							
26...	1200	6	185.00	113	18.0	825	30

WELL NO. 58 LOCAL NO. 02N02W22DCA1 SITE ID 344606091114601
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1983						
11...	1600	6	185.00	17.0	1360	120

WELL NO. 59 LOCAL NO. 02N02W22DDB1 SITE ID 344609091114401
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)
JUL , 1973					
09...	—	6	186.00	17.0	1300

WELL NO. 60 LOCAL NO. 02N02W25ABC1 SITE ID 344540091095301 OWNER - DR. V. PARDO
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAM-PLING DEPTH (FEET) (00003)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)
SEP , 1975											
11...	—	6	187.00	120	110	18.5	1200	7.4	435	530	0
JUN , 1983											
23...	1340	6	187.00	120	—	18.0	1340	--	--	--	--

DATE	TIME	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
SEP , 1975											
11...	—	34	480	42	120	43	51	1	50	656	1800
JUN , 1983											
23...	1340	—	--	--	--	--	--	--	90	—	--

WELL NO. 61 LOCAL NO. 02N02W25BBA1 SITE ID 344554091101401 OWNER - DR. V. PARDO
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (GPM) (00058)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)
JUL , 1961										
14...	—	6	187.00	120	1270	17.0	876	7.4	5	397
11...	—	6	187.00	120	—	20.0	1280	7.5	--	—
JUN , 1983										
23...	1315	6	187.00	120	—	--	1070	—	--	—
23...	1330	6	187.00	120	—	--	1330	—	--	--
AUG										
02...	1415	6	187.00	120	—	--	1180	7.3	—	460

DATE	TIME	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
JUL , 1961										
14...	—	480	0	31	430	29	110	36	47	19
SEP , 1975										
11...	—	440	0	22	—	—	--	—	--	—
AUG , 1983										
02...	1415	520	0	41	490	34	130	41	59	21

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
JUL , 1961										
14...	—	1	4.1	45	65	.59	--	—	—	557
SEP , 1975										
11...	—	--	--	70	—	--	—	—	—	--
JUN , 1983										
23...	1315	—	--	88	—	--	--	--	--	--
23...	1330	—	—	110	—	--	—	--	--	--
AUG										
02...	1415	1	2.3	84	87	—	2.9	.20	31	720

DATE	TIME	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	IODIDE, DIS-SOLVED (MG/L AS I) (71865)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	BORON, DIS-SOLVED (UG/L AS B) (01020)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)
JUL , 1961									
14...	—	550	--	1500	260	--	--	--	--
AUG , 1983									
02...	1415	690	1400	--	770	.010	14	60	.55

WELL NO. 62 LOCAL NO. 02N02W25BBA2 SITE ID 344548091101702 OWNER - DR. V. PARDO
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLING DEPTH (FEET) (00003)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)	CARBONATE FET-FLD (MG/L AS CO3) (00445)
SEP , 1975											
11...	--	6	187.00	122	110	18.0	1380	7.3	446	540	0
JUN , 1983											
23...	1330	6	187.00	122	--	--	1330	--	--	--	--

DATE	TIME	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION RATIO (00931)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	IRON, DISSOLVED (UG/L AS FE) (01046)
SEP , 1975											
11...	--	43	550	100	140	48	57	1	85	756	2100
JUN , 1983											
23...	1330	--	--	--	--	--	--	--	110	--	--

WELL NO. 63 LOCAL NO. 02N02W26DBD2 SITE ID 344517091104602 OWNER - DR. V. PARDO
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
AUG , 1983						
11...	1635	6	186.00	17.0	880	56

WELL NO. 64 LOCAL NO. 02N02W27AAA1 SITE ID 344554091113201 OWNER - DR. V. PARDO
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)
JUL , 1983									
26...	1200	6	187.00	120	18.0	1030	--	--	--
AUG									
02...	1500	6	187.00	120	17.5	1170	7.3	440	500

WELL NO. 64 LOCAL NO. 02N02W27AAA1 SITE ID 344554091113201 OWNER - DR. V. PARDO
ALLUVIAL AQUIFER - CONTINUED

DATE	TIME	CARBONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
AUG , 1983									
02...	1500	0	40	470	29	120	41	60	22

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)
JUL , 1983									
26...	1200	--	--	100	--	--	--	--	--
AUG									
02...	1500	1	3.1	100	64	<.10	.20	34	694

DATE	TIME	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	IODIDE, DISSOLVED (MG/L AS I) (71865)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	BORON, DISSOLVED (UG/L AS B) (01020)	BROMIDE DISSOLVED (MG/L AS BR) (71870)
AUG , 1983								
02...	1500	670	3700	400	.010	22	60	.61

WELL NO. 65 LOCAL NO. 02N02W29CBC1 SITE ID 344519091144001 OWNER - BERT HICKS
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (GPM) (00058)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	COLOR (PLATINUM-COBALT UNITS) (00080)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
MAY , 1961										
25...	--	6	186.00	110	1700	18.0	433	8.0	10	221

DATE	TIME	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)	CARBONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
MAY , 1961										
25...	--	270	0	4.3	210	0	58	17	18	15

WELL NO. 65 LOCAL NO. 02N02W29CBC1 SITE ID 344519091144001 OWNER - BERT HICKS
ALLUVIAL AQUIFER - CONTINUED

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
MAY , 1961										
25...	—	.6	2.5	16	8.2	.16	292	250	2700	0

WELL NO. 66 LOCAL NO. 02N02W32BDB1 SITE ID 344446091142301
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
JUL , 1983						
26...	1200	6	183.00	18.0	500	12

WELL NO. 67 LOCAL NO. 02N02W35DDD2 SITE ID 344410091103002
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
AUG , 1983						
16...	1510	6	185.00	17.5	600	16

WELL NO. 68 LOCAL NO. 02N03W01CDD1 SITE ID 344841091161601 OWNER - BOBBIE FULLER
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
JUN , 1983						
21...	1445	6	186.00	17.5	790	78

WELL NO. 69 LOCAL NO. 02N03W01DAD1 SITE ID 344854091154501 OWNER - FULLER FARMS
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
29...	1200	6	188.00	18.0	680	68

WELL NO. 70 LOCAL NO. 02N03W12CAA1 SITE ID 344806091162401 OWNER - ROY GRIZZLE NO. 1
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
SEP , 1982							
10...	---	6	184.00	112	17.0	1050	200

WELL NO. 71 LOCAL NO. 02N03W12DAD1 SITE ID 344801091155001 OWNER - J. B. MILEY
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)
AUG , 1975											
27...	1215	6	180.00	130	19.5	1480	6.7	259	320	0	100

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
AUG , 1975										
27...	1215	340	80	91	27	150	4	280	1230	4000

WELL NO. 72 LOCAL NO. 02N03W13ABB1 SITE ID 344743091161301 OWNER - ROY GRIZZLE NO. 2
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
SEP , 1982							
10...	--	6	183.00	E100	17.5	1500	380

WELL NO. 73 LOCAL NO. 02N03W13DDD1 SITE ID 344651091154801 OWNER - ROY GRIZZLE NO. 3
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
SEP , 1982							
10...	--	6	182.00	E100	17.5	965	150
JUN , 1983							
21...	1600	6	182.00	--	--	1500	280
JUL							
26...	1200	6	182.00	--	18.0	1420	270

WELL NO. 74 LOCAL NO. 02N03W23DCC1 SITE ID 344602091171601 OWNER - ROY GRIZZLE NO. 4
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
SEP , 1982							
10...	--	6	182.00	117	17.5	445	24

WELL NO. 75 LOCAL NO. 02N03W25ABC1 SITE ID 344550091161201 OWNER - ROY GRIZZLE NO. 6
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
SEP , 1982							
10...	--	6	181.00	E100	17.5	510	55

WELL NO. 76 LOCAL NO. 02N03W25BBB1 SITE ID 344559091165001 OWNER - ROY GRIZZLE NO. 5
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
SEP , 1982							
10...	---	6	186.00	E100	17.5	525	60
JUL , 1983							
29...	1200	6	186.00	---	18.0	555	29

WELL NO. 77 LOCAL NO. 02N03W26BDC1 SITE ID 344535091173201 OWNER - TOWNSEND ESTATE
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1983							
16...	1035	6	185.00	115	17.5	640	20

WELL NO. 78 LOCAL NO. 02N03W26CBB1 SITE ID 344535091175201 OWNER - JOHN B. MOORE
QUARTERNARY AQUIFER

WATER QUALITY DATA

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUN , 1983						
21...	1700	6	190.00	---	575	30
AUG						
16...	1100	6	190.00	17.5	570	29

WELL NO. 79 LOCAL NO. 02N03W26CCA1 SITE ID 344516091174001 OWNER - RAY TOWNSEND
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983							
26...	1200	6	188.00	116	18.0	550	18

WELL NO. 80 LOCAL NO. 02N03W27DDD1 SITE ID 344509091175601
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1983						
16...	1000	6	185.00	17.5	580	28

WELL NO. 81 LOCAL NO. 02N03W35CCB2 SITE ID 344425091175202 OWNER - TOWNSEND ESTATE
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
26...	1200	6	186.00	18.5	482	29

WELL NO. 82 LOCAL NO. 03N01W17ABB1 SITE ID 345250091072801 OWNER - HAROLD MASON NO. 3
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
SEP , 1982						
10...	—	6	190.00	16.5	705	50

WELL NO. 83 LOCAL NO. 03N01W17BBA1 SITE ID 345254091075001 OWNER - HAROLD MASON NO. 2
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
SEP , 1982						
10...	—	6	190.00	16.5	700	20

WELL NO. 84 LOCAL NO. 03N01W17BDA1 SITE ID 345236091073501 OWNER - HAROLD MASON NO. 4
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
SEP , 1982						
10...	--	6	190.00	17.0	535	35

WELL NO. 85 LOCAL NO. 03N01W17CDB1 SITE ID 345215091074601 OWNER - HAROLD MASON NO. 5
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
SEP , 1982						
10...	--	6	190.00	17.0	720	45

WELL NO. 86 LOCAL NO. 03N01W18DDC1 SITE ID 345204091081601
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
28...	1200	6	191.00	18.0	705	16

WELL NO. 87 LOCAL NO. 03N01W19DCC1 SITE ID 345111091083301
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
28...	1200	6	186.00	18.0	720	16

WELL NO. 88 LOCAL NO. 03N01W20ABA1 SITE ID 345201091072101 OWNER - C. E. MITCHELL
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
29...	1200	6	189.00	18.0	785	24

WELL NO. 89 LOCAL NO. 03N01W21BBB1 SITE ID 345201091065601
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
28...	1200	6	190.00	18.0	990	55

WELL NO. 90 LOCAL NO. 03N01W29DCC1 SITE ID 345019091072801 OWNER - M. M. LUSK
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (GPM) (00058)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)
JUL , 1961										
19...	—	6	190.00	130	463	17.0	636	7.9	5	338

DATE	TIME	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
JUL , 1961										
19...	—	410	0	8.2	330	0	86	29	23	13

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
JUL , 1961										
19...	—	.6	2.0	25	29	.23	371	390	3200	110

WELL NO. 91 LOCAL NO. 03N01W32DDD1 SITE ID 344925091070701
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1983						
15...	1355	6	188.00	17.5	900	24

WELL NO. 92 LOCAL NO. 03N01W33CBC1 SITE ID 344938091070501
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
28...	1200	6	189.00	18.0	825	19

WELL NO. 93 LOCAL NO. 03N02W01DBA1 SITE ID 345412091092701
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
28...	1200	6	190.00	17.0	1060	53

WELL NO. 94 LOCAL NO. 03N02W02ABA1 SITE ID 345436091103301
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
28...	1200	6	190.00	17.0	860	40

WELL NO. 95 LOCAL NO. 03N02W03DDB1 SITE ID 345357091113001 OWNER - COTTON BELT RAILROAD
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)
FEB , 1952									
04...	—	6	200.00	148	18.0	730	8.0	350	430

DATE	TIME	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	NESS, NONCAR-BONATE (MG/L CACO3) (00902)	RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRATE DIS-SOLVED (MG/L AS N) (00618)	TOTAL RECOV-ERABLE (UG/L AS FE) (01045)
FEB , 1952									
04...	—	0	6.8	370	25	32	22	.25	2400

WELL NO. 96 LOCAL NO. 03N02W04BDC1 SITE ID 345422091130401 OWNER - BROWN
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUN , 1983						
14...	0800	6	192.00	17.0	1010	120
14...	0900	6	192.00	17.0	2080	420

WELL NO. 97 LOCAL NO. 03N02W04CCD1 SITE ID 345350091131301 OWNER - LEHMAN FOWLER
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAM-PLING DEPTH (FEET) (00003)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)
JUL , 1952									
07...	—	6	192.00	160	--	17.0	498	8.4	185
JUN , 1953									
22...	—	6	192.00	160	—	17.0	729	7.4	328
AUG									
24...	—	6	192.00	160	—	17.0	749	7.3	328
JUN , 1975									
20...	—	6	192.00	160	110	--	1080	7.4	358
SEP , 1982									
10...	—	6	192.00	160	--	--	955	--	--
JUL , 1983									
28...	1200	6	192.00	160	--	17.0	1040	--	--

WELL NO. 97 LOCAL NO. 03N02W04CCD1 SITE ID 345350091131301 OWNER - LEHMAN FOWLER
ALLUVIAL AQUIFER - CONTINUED

DATE	TIME	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)	CARBONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
JUL , 1952									
07...	--	220	4	1.4	210	30	--	--	--
JUN , 1953									
22...	--	400	0	25	330	0	91	24	--
AUG									
24...	--	400	0	32	330	0	130	3.3	--
JUN , 1975									
20...	--	440	0	28	410	53	110	33	58

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)
JUL , 1952									
07...	--	--	50	12	.11	.20	--	--	2700
JUN , 1953									
22...	--	--	49	14	.00	--	--	--	2700
AUG									
24...	--	--	50	13	.05	--	--	--	2400
JUN , 1975									
20...	--	1	100	--	--	--	485	640	--
SEP , 1982									
10...	--	--	110	--	--	--	--	--	--
JUL , 1983									
28...	1200	--	100	--	--	--	--	--	--

WELL NO. 98 LOCAL NO. 03N02W05BBB1 SITE ID 345442091142301 OWNER - SUNNY FARMS NO. 3
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
JUN , 1983						
14...	0945	6	196.00	17.0	3050	770

WELL NO. 99 LOCAL NO. 03N02W05BCB1 SITE ID 345430091142401 OWNER - SUNNY FARMS NO. 2
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
JUN , 1983						
14...	0930	6	196.00	17.0	2900	720

WELL NO. 100 LOCAL NO. 03N02W06DDD1 SITE ID 345351091142801 OWNER - BARNEY WATTS
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
MAR , 1985						
07...	1115	6	190.00	16.5	533	50

WELL NO. 101 LOCAL NO. 03N02W08ADA1 SITE ID 345335091132501 OWNER - PINEY FARMS
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAM-PLING DEPTH (FEET) (00003)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)
JUN , 1975									
20...	—	6	191.00	160	110	—	990	7.4	346
JUN , 1983									
14...	0840	6	191.00	160	—	17.0	1030	—	—
AUG									
03...	1300	6	191.00	160	—	18.0	1020	7.3	420
SEP									
03...	1300	6	191.00	160	—	—	—	—	—

DATE	TIME	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
JUN , 1975									
20...	—	420	0	27	380	36	100	32	49
AUG , 1983									
03...	1300	470	0	37	410	0	110	33	57
SEP , 1983									
03...	1300	470	0	—	—	—	—	—	—

DATE	TIME	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
JUN , 1975									
20...	—	--	1	--	75	—	--	—	—
JUN , 1983									
14...	0840	—	—	--	120	—	--	—	--
AUG									
03...	1300	23	1	1.8	100	10	<.10	.30	35

WELL NO. 101 LOCAL NO. 03N02W08ADA1 SITE ID 345335091132501 OWNER - PINEY FARMS
ALLUVIAL AQUIFER - CONTINUED

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	IODIDE, DIS-SOLVED (MG/L AS I) (71865)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	BORON, DIS-SOLVED (UG/L AS B) (01020)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)
JUN , 1975									
20...	—	465	—	1700	—	—	—	—	—
AUG , 1983									
03...	1300	588	580	2800	300	.020	17	80	.66

WELL NO. 102 LOCAL NO. 03N02W08BAA1 SITE ID 345349091135601 OWNER - MRS. MACIE OAKS
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
MAR , 1985							
07...	1230	6	192.00	50.00	15.5	700	38

WELL NO. 103 LOCAL NO. 03N02W08BBA1 SITE ID 345349091141201 OWNER - WILLIE CALAHAN
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
MAR , 1985						
07...	1145	6	191.00	17.0	638	27

WELL NO. 104 LOCAL NO. 03N02W08CAA1 SITE ID 345323091135701 OWNER - LEW E. SORRELLS NO. 1
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUN , 1983						
14...	1045	6	190.00	17.0	1040	140

WELL NO. 105 LOCAL NO. 03N02W08CDA1 SITE ID 345306091135901 OWNER - LEW E SORRELLS
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)	CARBONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)
JUN , 1975										
17...	—	6	188.00	—	933	7.6	—	—	—	—
20...	—	6	188.00	—	919	7.6	—	—	—	—
JUL										
01...	1000	6	188.00	120	938	7.2	379	460	0	46

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION RATIO (00931)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	IRON, DISSOLVED (UG/L AS FE) (01046)
JUN , 1975									
17...	—	—	—	—	—	—	—	82	—
20...	—	—	—	—	—	—	—	74	—
JUL									
01...	1000	380	0	100	31	50	1	76	4000

WELL NO. 106 LOCAL NO. 03N02W08DCD1 SITE ID 345258091134201 OWNER - LEW E. SORRELLS NO. 2
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)	CARBONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)
JUN , 1975										
30...	—	6	186.00	—	731	7.7	—	—	—	—
JUL										
03...	—	6	186.00	—	731	7.7	—	—	—	—
13...	1100	6	186.00	120	732	7.1	364	440	0	56

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION RATIO (00931)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	IRON, DISSOLVED (UG/L AS FE) (01046)
JUN , 1975									
30...	—	—	—	—	—	—	—	24	—
JUL									
03...	—	—	—	—	—	—	—	22	—
13...	1100	340	0	90	28	27	.7	22	2800

WELL NO. 107 LOCAL NO. 03N02W09AAA1 SITE ID 345345091122301 OWNER - WAYNE PATTERSON
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLING DEPTH (FEET) (00003)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
JUL , 1952									
11...	—	6	190.00	120	—	17.0	550	8.1	235
JUN , 1953									
22...	—	6	190.00	120	—	17.0	710	7.4	344
AUG									
24...	—	6	190.00	120	—	17.0	725	7.3	343
JUN , 1975									
20...	—	6	190.00	120	110	—	860	7.4	326
JUL , 1976									
06...	—	6	190.00	120	—	17.0	780	7.4	—
JUL , 1983									
28...	1200	6	190.00	120	—	17.5	920	—	—

DATE	TIME	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)	CARBONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
JUL , 1952									
11...	—	290	0	3.6	280	43	—	—	—
JUN , 1953									
22...	—	420	0	27	330	0	93	24	—
AUG									
24...	—	420	0	33	340	0	130	3.7	—
JUN , 1975									
20...	—	400	0	25	350	24	92	29	31

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)
JUL , 1952								
11...	—	—	36	9.0	.29	—	—	1700
JUN , 1953								
22...	—	—	35	12	.29	—	—	2400
AUG								
24...	—	—	35	12	.05	—	—	1900
JUN , 1975								
20...	—	.7	40	—	—	444	2100	—
JUL , 1976								
06...	—	—	48	—	—	—	—	—
JUL , 1983								
28...	1200	—	53	—	—	—	—	—

WELL NO. 108 LOCAL NO. 03N02W10ADA1 SITE ID 345334091111801 OWNER - FERRELL COOPER
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)
FEB , 1952									
05...	—	6	200.00	100	18.0	1520	8.1	348	420

DATE	TIME	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)
FEB , 1952									
05...	—	0	5.4	460	110	150	250	.36	6900

WELL NO. 109 LOCAL NO. 03N02W10DAC1 SITE ID 345315091112201 OWNER - STANDARD ICE CO.
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)
OCT , 1949										
27...	—	6	—	—	—	1140	7.6	407	500	0
JAN , 1952										
24...	—	6	200.00	147	—	1140	7.7	409	500	0
FEB										
05...	—	6	200.00	147	18.0	1130	7.8	404	490	0
JUN , 1953										
09...	—	6	200.00	147	18.0	1140	7.8	413	500	0
AUG										
24...	—	6	200.00	147	18.0	855	8.4	205	230	8

DATE	TIME	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
OCT , 1949										
27...	—	20	440	30	120	35	92	31	2	6.2
JAN , 1952										
24...	—	16	460	53	—	—	—	—	—	—
FEB										
05...	—	12	450	46	—	—	—	—	—	—
JUN , 1953										
09...	—	13	430	16	120	33	—	—	—	—
AUG										
24...	—	1.5	230	26	71	13	—	—	—	—

WELL NO. 109 LOCAL NO. 03N02W10DAC1 SITE ID 345315091112201 OWNER - STANDARD ICE CO.
ALLUVIAL AQUIFER - CONTINUED

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)
OCT , 1949										
27...	—	100	78	.52	.00	31	750	720	1600	6100
JAN , 1952										
24...	—	99	80	.32	—	—	—	—	3300	—
FEB										
05...	—	210	78	.36	—	—	—	—	3300	—
JUN , 1953										
09...	—	100	84	.43	—	—	—	—	3000	—
AUG										
24...	—	100	72	.45	—	—	—	—	30	—

WELL NO. 110 LOCAL NO. 03N02W10DBC1 SITE ID 345313091114701 OWNER - CITY OF BRINKLEY NO. 1
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)	CARBONATE FET-FLD (MG/L AS CO3) (00445)
OCT , 1949								
06...	—	6	205.00	143	955	372	450	0

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)
OCT , 1949							
06...	—	240	0	82	12	.18	13000

WELL NO. 111 LOCAL NO. 03N02W10DBC2 SITE ID 345313091114801 OWNER - CITY OF BRINKLEY NO. 2
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD NITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)
JUN , 1946										
26...	—	6	205.00	192	17.0	1070	7.1	420	510	0

DATE	TIME	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
JUN , 1946										
26...	—	64	510	93	140	42	69	22	1	15

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)
JUN , 1946									
26...	—	150	56	.00	30	832	740	2200	42000

WELL NO. 112 LOCAL NO. 03N02W10DBC5 SITE ID 345313091114901 OWNER - CITY OF BRINKLEY NO. 6
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)
OCT , 1961										
09...	—	6	206.00	150	18.0	787	7.6	0	123	150

DATE	TIME	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)
OCT , 1961										
09...	—	0	6.0	200	79	33	29	88	48	3

WELL NO. 112 LOCAL NO. 03N02W10DBC5 SITE ID 345313091114901 OWNER - CITY OF BRINKLEY NO. 6
ALLUVIAL AQUIFER - CONTINUED

DATE	TIME							
OCT , 1961								
09...	—	3.4	120	93	.30	12	490	450	0

WELL NO. 113 LOCAL NO. 03N02W11AAA1 SITE ID 345345091101501
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
28...	1200	6	190.00	17.5	925	65

WELL NO. 114 LOCAL NO. 03N02W13ADD1 SITE ID 345228091091901
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
28...	1200	6	186.00	18.0	800	21

WELL NO. 115 LOCAL NO. 03N02W14DAC1 SITE ID 345217091103001
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1984							
08...	1610	6	196.00	130	17.0	1200	100

WELL NO. 116 LOCAL NO. 03N02W16AAA1 SITE ID 345251091122501 OWNER - W. M. DICKSON
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUN , 1983							
14...	1745	6	190.00	160	17.0	860	39

WELL NO. 117 LOCAL NO. 03N02W18ABB1 SITE ID 345252091150301
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUN , 1983						
14...	1520	6	177.00	17.0	1030	120

WELL NO. 118 LOCAL NO. 03N02W20ADC1 SITE ID 345139091134101 OWNER - J. B. MILEY
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAM-PLING DEPTH (FEET) (00003)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)
AUG , 1975											
27...	1100	6	182.00	120	120	17.5	750	6.6	338	410	0

DATE	TIME	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
AUG , 1975											
27...	1100	164	330	0	88	27	30	.7	60	419	2500

WELL NO. 119 LOCAL NO. 03N02W21ADC1 SITE ID 345138091123301 OWNER - FRANK MORGAN
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLING DEPTH (FEET) (00003)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)	CARBONATE FET-FLD (MG/L AS CO3) (00445)
SEP , 1975											
10...	1030	6	190.00	146	146	18.0	1180	7.3	359	440	0
SEP , 1982											
10...	--	6	190.00	146	--	17.0	900	--	--	--	--
AUG , 1984											
09...	1045	6	190.00	146	--	17.5	1020	--	--	--	--

DATE	TIME	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION RATIO (00931)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	IRON, DISSOLVED (UG/L AS FE) (01046)
SEP , 1975											
10...	1030	35	370	15	100	30	82	2	75	620	2700
SEP , 1982											
10...	--	--	--	--	--	--	--	--	78	--	--
AUG , 1984											
09...	1045	--	--	--	--	--	--	--	96	--	--

WELL NO. 120 LOCAL NO. 03N02W21CAC1 SITE ID 345128091131101 OWNER - WAYNE ROEDIGER
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)	CARBONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)
AUG , 1975											
27...	1000	6	186.00	130	19.0	1360	6.3	399	490	0	387
SEP , 1982											
03...	--	6	186.00	130	19.0	1120	--	--	--	--	--
JUN , 1983											
15...	1300	6	186.00	130	17.0	1120	--	--	--	--	--

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION RATIO (00931)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	IRON, DISSOLVED (UG/L AS FE) (01046)
AUG , 1975										
27...	1000	410	16	110	34	96	2	120	648	3100
SEP , 1982										
03...	--	--	--	--	--	--	--	130	--	--
JUN , 1983										
15...	1300	--	--	--	--	--	--	140	--	--

WELL NO. 121 LOCAL NO. 03N02W22ACD1 SITE ID 345116091110501 OWNER - CARL RIDDELL
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
MAR , 1985							
06...	1400	6	206.00	65.00	17.0	692	28

WELL NO. 122 LOCAL NO. 03N02W23CCD1 SITE ID 345142091114301 OWNER - BILL NORMAN
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
MAR , 1985							
06...	1630	6	206.00	100	15.0	1220	130

WELL NO. 123 LOCAL NO. 03N02W23DAB1 SITE ID 345135091102901
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)
AUG , 1983											
03...	1420	6	192.00	18.0	1000	7.3	460	510	0	41	440

DATE	TIME	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
AUG , 1983											
03...	1420	0	120	35	37	15	.8	2.3	47	40	<.10

DATE	TIME	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	IODIDE, DIS-SOLVED (MG/L AS I) (71865)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	BORON, DIS-SOLVED (UG/L AS B) (01020)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)
AUG , 1983											
03...	1420	.20	31	553	570	2900	300	.020	18	20	.41

WELL NO. 124 LOCAL NO. 03N02W23DBB1 SITE ID 345134091104701 OWNER - GEISLER
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)
JUN , 1953										
22...	—	6	195.00	128	17.0	810	7.3	405	490	0
SEP										
15...	—	6	195.00	128	17.0	776	7.9	368	450	0

DATE	TIME	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)
JUN , 1953										
22...	—	39	400	0	110	31	30	22	.50	3400
15...	—	9.0	370	0	96	31	30	26	.50	2700

WELL NO. 125 LOCAL NO. 03N02W24BBB1 SITE ID 345200091100901 OWNER - GEISLER FARMS
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1984							
08...	1515	6	188.00	130	17.5	1140	69

WELL NO. 126 LOCAL NO. 03N02W25CDC1 SITE ID 345020091100201 OWNER - BRUCE MARTIN
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1984							
08...	1400	6	192.00	130	17.5	871	71

WELL NO. 127 LOCAL NO. 03N02W26AAB1 SITE ID 345103091103301 OWNER - VERN VAUER
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1984							
08...	1445	6	193.00	130	17.5	980	56

WELL NO. 128 LOCAL NO. 03N02W27CCA1 SITE ID 345029091121201
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1984							
09...	1015	6	185.00	130	17.0	1050	71

WELL NO. 129 LOCAL NO. 03N02W27DAC1 SITE ID 345038091113201 OWNER - JAMES SHARP
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
MAR , 1985							
06...	1345	6	206.00	90.00	14.0	1080	65

WELL NO. 130 LOCAL NO. 03N02W28BBB1 SITE ID 345109091132001 OWNER - JOHN RAY
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)
JUN , 1953										
22...	--	6	185.00	18.0	922	7.4	410	500	0	32
AUG										
24...	--	6	185.00	17.0	941	7.5	409	500	0	25

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)
JUN , 1953									
22...	--	400	0	110	31	76	2.0	.00	4300

WELL NO. 131 LOCAL NO. 03N02W28CDD1 SITE ID 345020091130201
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
29...	1200	6	186.00	18.5	1140	150

WELL NO. 132 LOCAL NO. 03N02W29CBA1 SITE ID 345040091142301 OWNER - MRS. A. W. WARD
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (GPM) (00058)	SAMPLING DEPTH (FEET) (00003)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	COLOR (PLATINUM-COBALT UNITS) (00080)
JUL , 1952										
11...	—	6	191.00	136	—	—	16.5	554	8.6	—
JUN , 1953										
22...	--	6	191.00	136	--	--	17.0	802	7.3	—
AUG										
24...	—	6	191.00	136	—	—	17.0	786	7.4	—
MAR , 1961										
29...	—	6	—	—	--	—	17.0	634	7.4	5
AUG , 1974										
07...	—	6	—	--	1600	113	17.0	436	7.2	3
15...	1330	6	191.00	136	—	—	17.0	435	--	—

DATE	TIME	ALKALINITY FIELD (MG/L AS CACO3) (00410)	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)	CARBONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
JUL , 1952									
11...	—	161	170	12	.7	200	39	--	—
JUN , 1953									
22...	--	331	400	0	32	310	0	85	23
AUG									
24...	—	311	380	0	24	310	0	120	4.2
MAR , 1961									
29...	--	284	350	0	22	280	0	75	23
AUG , 1974									
07...	—	199	240	0	24	190	0	50	16

DATE	TIME	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
JUL , 1952									
11...	—	--	--	—	—	86	2.0	.02	—
JUN , 1953									
22...	—	--	—	—	—	84	1.0	.00	—
MAR , 1961									
29...	—	31	19	.8	2.2	45	2.2	.41	—
AUG , 1974									
07...	—	16	15	.5	1.2	18	5.6	--	.37
JUN , 1983									
15...	1330	—	--	--	--	24	—	--	—

WELL NO. 132 LOCAL NO. 03N02W29CBA1 SITE ID 345040091142301 OWNER - MRS. A. W. WARD
ALLUVIAL AQUIFER - CONTINUED

DATE	TIME	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
JUL , 1952									
11...	--	--	--	--	--	--	--	6100	--
JUN , 1953									
22...	--	--	--	--	--	--	--	4200	--
AUG									
24...	--	--	--	--	--	--	--	2800	--
MAR , 1961									
29...	--	--	.30	18	315	370	--	290	--
AUG , 1974									
07...	--	.290	.20	38	257	270	2500	--	220

WELL NO. 133 LOCAL NO. 03N02W30ACB1 SITE ID 345058091150201 OWNER - BOB KEMMER
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUN , 1983						
15...	1400	6	186.00	17.0	320	12

WELL NO. 134 LOCAL NO. 03N02W31DBA1 SITE ID 344948091145801 OWNER - BOOTS MILEY
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAM-PLING DEPTH (FEET) (00003)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)
SEP , 1975											
10...	1100	6	188.00	132	120	18.0	595	7.3	235	290	0
JUN , 1983											
21...	1345	6	188.00	132	--	18.0	505	--	--	--	--

DATE	TIME	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
SEP , 1975											
10...	1100	23	240	3	64	19	29	.8	45	344	3400
JUN , 1983											
21...	1345	--	--	--	--	--	--	--	24	--	--

WELL NO. 135 LOCAL NO. 03N02W32ABA1 SITE ID 345019091134801
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
29...	1200	6	186.00	18.0	775	53

WELL NO. 136 LOCAL NO. 03N02W32BBC1 SITE ID 345008091143101 OWNER - GLEN FULLER
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)
SEP , 1982									
09...	--	6	191.00	124	17.0	430	--	--	--
JUL , 1983									
27...	1200	6	191.00	124	18.5	425	--	--	--
AUG									
02...	1215	6	191.00	124	17.5	469	7.4	230	260

DATE	TIME	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
AUG , 1983									
02...	1215	0	16	220	0	59	18	14	12

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
SEP , 1982									
09...	--	--	--	26	--	--	--	--	--
JUL , 1983									
27...	1200	--	--	20	--	--	--	--	--
AUG									
02...	1215	.4	1.0	20	4.2	<.10	.20	35	256

WELL NO. 136 LOCAL NO. 03N02W32BBC1 SITE ID 345008091143101 OWNER - GLEN FULLER
ALLUVIAL AQUIFER - CONTINUED

DATE	TIME	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	IODIDE, DIS-SOLVED (MG/L AS I) (71865)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	BORON, DIS-SOLVED (UG/L AS B) (01020)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)
AUG , 1983								
02...	1215	280	2500	190	.010	9	20	.13

WELL NO. 137 LOCAL NO. 03N02W32CBB1 SITE ID 344951091143001 OWNER - GLEN FULLER NO. 2
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)
JUL , 1952										
11...	—	6	190.00	128	17.0	902	7.9	331	400	0
JUN , 1953										
22...	—	6	190.00	128	18.0	955	7.4	—	470	0
AUG										
24...	—	6	190.00	128	18.0	974	7.7	384	470	0

DATE	TIME	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)
JUL , 1952										
11...	—	8.1	380	51	—	—	110	1.0	.05	4800
JUN , 1953										
22...	—	30	370	0	100	28	99	1.0	—	5100
AUG										
24...	—	15	380	0	140	4.7	100	1.0	.05	1900

WELL NO. 138 LOCAL NO. 03N02W33DAA1 SITE ID 344952091123101 OWNER - HOWARD GIBBS
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1984							
09...	0945	6	191.00	105	17.5	1080	110

WELL NO. 139 LOCAL NO. 03N02W34ADD1 SITE ID 344954091112501 OWNER - ST. JOHN M. B. CHURCH
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUN , 1983						
22...	1615	6	189.00	—	920	110
AUG , 1984						
08...	1645	6	189.00	17.5	1210	160

WELL NO. 140 LOCAL NO. 03N02W36BDD1 SITE ID 344953091094801
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
28...	1200	6	191.00	18.5	755	34

WELL NO. 141 LOCAL NO. 03N03W02ACD1 SITE ID 345420091165501
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
29...	1200	6	179.00	17.5	200	3.8

WELL NO. 142 LOCAL NO. 03N03W02CAA1 SITE ID 345414091171201 OWNER - T. C. CARTER ESTATE
ALLUVIAL AQUIFER

SAMPLE LOST

WELL NO. 143 LOCAL NO. 04N01W06DCA1 SITE ID 345916091081801
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
29...	1200	6	213.00	17.5	600	14

WELL NO. 144 LOCAL NO. 04N01W08ABB1 SITE ID 345902091072501
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1983						
17...	0940	6	209.00	18.0	600	14

WELL NO. 145 LOCAL NO. 04N01W08ADD1 SITE ID 345845091065801
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (GPM) (00058)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)
JUL , 1973							
10...	—	6	210.00	145	1720	17.0	790

WELL NO. 146 LOCAL NO. 04N01W16CCC1 SITE ID 345720091065601 OWNER - H. WATKINS INC.
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1983						
17...	0825	6	211.00	18.0	780	32

WELL NO. 147 LOCAL NO. 04N01W17ABD1 SITE ID 345804091071901 OWNER - ENGLER
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (GPM) (00058)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)
JUL , 1961 19...	—	6	207.00	130	1020	18.5	610	8.0	5	335

DATE	TIME	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
JUL , 1961 19...	—	410	0	6.5	330	0	90	25	17	10

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
JUL , 1961 19...	—	.4	1.9	17	6.0	.16	396	360	350	40

WELL NO. 148 LOCAL NO. 04N01W28BAD1 SITE ID 345618091063001
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (GPM) (00058)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)
JUL , 1973 10...	—	6	206.00	145	815	16.5	910

WELL NO. 149 LOCAL NO. 04N01W33ADC1 SITE ID 345509091060801
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1983						
17...	1130	6	212.00	17.5	900	48

WELL NO. 150 LOCAL NO. 04N02W01CCC1 SITE ID 345906091100301
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
28...	1200	6	198.00	17.5	470	9.9
AUG , 1984						
07...	1535	6	198.00	17.0	479	22

WELL NO. 151 LOCAL NO. 04N02W02ACA1 SITE ID 345935091101901 OWNER - THOMAS J. WILSON
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1984							
08...	0900	6	191.00	84.00	17.5	438	14

WELL NO. 152 LOCAL NO. 04N02W04BBD1 SITE ID 350001091125701
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
29...	1200	6	182.00	17.5	170	.30

WELL NO. 153 LOCAL NO. 04N02W05DCA1 SITE ID 345918091133601
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1983						
12...	1120	6	188.00	17.0	225	5.9

WELL NO. 154 LOCAL NO. 04N02W11DCD1 SITE ID 345814091102801 OWNER - SWINDLE
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1984							
08...	0815	6	200.00	130	17.5	465	31

WELL NO. 155 LOCAL NO. 04N02W11DDB1 SITE ID 345820091101801
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1983						
12...	0755	6	200.00	17.5	670	34

WELL NO. 156 LOCAL NO. 04N02W12AAB1 SITE ID 345857091091601 OWNER - ALFRED DENNEY
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1984							
08...	0945	6	210.00	135	17.5	568	26

WELL NO. 157 LOCAL NO. 04N02W12ADA1 SITE ID 345843091090201 OWNER - B. H. WARD
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983							
28...	1200	6	212.00	130	17.5	620	16

WELL NO. 158 LOCAL NO. 04N02W13DAB1 SITE ID 345742091091201
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
28...	1200	6	195.00	17.0	750	130

WELL NO. 159 LOCAL NO. 04N02W15DBA1 SITE ID 345743091112601 OWNER - ED HEAVNER
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1983							
12...	0850	6	202.00	60.00	19.0	550	16
AUG , 1984							
08...	1030	6	202.00	60.00	17.5	468	18

WELL NO. 160 LOCAL NO. 04N02W17CAD1 SITE ID 345733091135101
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
29...	1200	6	176.00	17.0	210	3.0

WELL NO. 161 LOCAL NO. 04N02W22CDC1 SITE ID 345627091115301 OWNER - TOMMY SNELSON NO. 2
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
SEP , 1982							
03...	—	6	201.00	110	18.0	738	44
JUN , 1983							
13...	1030	6	201.00	110	17.0	760	38
AUG , 1984							
08...	1115	6	201.00	110	18.0	760	52

WELL NO. 162 LOCAL NO. 04N02W22DDB1 SITE ID 345637091112601 OWNER - BUCK FILES NO. 2
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
01...	1540	6	203.00	—	540	16
01...	1720	6	203.00	—	560	16
02...	0825	6	203.00	—	580	16
02...	1645	6	203.00	16.0	580	18
03...	1330	6	203.00	—	585	—

WELL NO. 163 LOCAL NO. 04N02W24ABA1 SITE ID 345714091092101
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1984							
07...	1630	6	194.00	140	17.5	715	39

WELL NO. 164 LOCAL NO. 04N02W25BAC1 SITE ID 345615091095201
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
28...	1200	6	197.00	17.5	690	26

WELL NO. 165 LOCAL NO. 04N02W25BBB1 SITE ID 345623091100801
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
28...	1200	6	200.00	17.5	830	41

WELL NO. 166 LOCAL NO. 04N02W26BBC1 SITE ID 345616091111101 OWNER - BUCK FILES NO. 1
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
SEP , 1982						
09...	—	6	201.00	17.5	590	55

WELL NO. 167 LOCAL NO. 04N02W26CCC1 SITE ID 345535091111001 OWNER - MILTON LAWSON
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)
JUL , 1952										
11...	—	6	195.00	102	17.0	508	8.1	166	280	0
JUL										
22...	—	6	195.00	102	17.0	668	7.3	340	410	0

DATE	TIME	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)
JUL , 1952										
11...	—	3.6	280	51	—	—	22	18	.05	1900
JUL										
22...	—	33	340	2	94	26	21	18	.00	2200

WELL NO. 168 LOCAL NO. 04N02W27ACB1 SITE ID 345612091114301 OWNER - BUCK FILES NO.4
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
SEP , 1982						
09...	—	6	200.00	17.5	710	42

WELL NO. 169 LOCAL NO. 04N02W27BDB1 SITE ID 345609091115501 OWNER - TOMMY SNELSON NO. 1
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAM-PLING DEPTH (FEET) (00003)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)
JUN , 1975									
10...	1400	6	205.00	110	110	17.5	690	7.5	322
JUL , 1976									
08...	—	6	205.00	110	—	18.0	615	7.7	—
AUG									
02...	—	6	205.00	110	—	18.0	620	—	—
03...	—	6	205.00	110	—	—	630	—	—
SEP									
09...	—	6	205.00	110	—	17.5	630	—	—
SEP , 1982									
03...	—	6	205.00	110	—	—	1020	—	—
09...	—	6	205.00	110	—	17.5	920	—	—
JUN , 1983									
13...	1045	6	205.00	110	—	17.0	1150	—	—
AUG									
03...	0815	6	205.00	110	—	17.0	1210	7.2	370

DATE	TIME	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
JUN , 1975									
10...	1400	390	0	20	300	0	81	24	18
AUG , 1983									
03...	0815	410	0	41	410	37	110	32	75

WELL NO. 169 LOCAL NO. 04N02W27BDB1 SITE ID 345609091115501 OWNER - TOMMY SNELSON NO. 1
ALLUVIAL AQUIFER - CONTINUED

DATE	TIME	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)
JUN , 1975									
10...	1400	--	.5	--	16	--	--	--	--
JUL , 1976									
08...	--	--	--	--	14	--	--	--	--
AUG									
02...	--	--	--	--	15	--	--	--	--
SEP , 1982									
03...	--	--	--	--	140	--	--	--	--
09...	--	--	--	--	140	--	--	--	--
JUN , 1983									
13...	1045	--	--	--	160	--	--	--	--
AUG									
03...	0815	29	2	2.1	180	1.1	<.10	.20	29

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	IODIDE, DISSOLVED (MG/L AS I) (71865)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	BORON, DISSOLVED (UG/L AS B) (01020)	BROMIDE DISSOLVED (MG/L AS BR) (71870)
JUN , 1975									
10...	1400	--	--	830	--	--	--	--	--
AUG , 1983									
03...	0815	679	640	2600	580	.030	10	80	1.2

WELL NO. 170 LOCAL NO. 04N02W27CDD1 SITE ID 345539091115001 OWNER - BUCK FILES NO. 1
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
FEB , 1984											
24...	0930	6	200.00	81.50	18.0	830	7.7	7.5	350	160	94

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
FEB , 1984										
24...	0930	28	46	22	1	2.0	90	29	.56	.20

WELL NO. 170 LOCAL NO. 04N02W27CDD1 SITE ID 345539091115001 OWNER - BUCK FILES NO. 1
ALLUVIAL AQUIFER - CONTINUED

DATE	TIME	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	IODIDE, DIS-SOLVED (MG/L AS I) (71865)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	BORON, DIS-SOLVED (UG/L AS B) (01020)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)
FEB , 1984										
24...	0930	28	510	440	690	540	.010	7	30	.58

WELL NO. 171 LOCAL NO. 04N02W27CDD2 SITE ID 345539091115002 OWNER - BUCK FILES NO. 2
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)
NOV, 1984											
28...	0930	6	200.00	137	41.00	17.5	1010	7.3	387	38	440

DATE	TIME	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
NOV , 1984											
28...	0930	57	120	35	26	11	.6	1.9	130	5.1	<.10

DATE	TIME	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	IODIDE, DIS-SOLVED (MG/L AS I) (71865)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	BORON, DIS-SOLVED (UG/L AS B) (01020)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)
NOV , 1984											
28...	0930	.20	30	542	580	2100	380	.031	8	50	.76

WELL NO. 172 LOCAL NO. 04N02W27DCB1 SITE ID 345546091113901 OWNER - BUCK FILES NO. 5
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)	CARBONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	HARDNESS (MG/L AS CACO3) (00900)
SEP , 1982											
09...	—	6	202.00	17.0	618	—	—	—	—	—	—
AUG , 1983											
03...	0730	6	202.00	17.5	562	7.6	300	330	0	13	250

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	GEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
SEP , 1982											
09...	—	—	—	—	—	—	—	—	50	—	—
AUG , 1983											
03...	0730	0	67	19	24	17	.7	1.3	14	7.3	<.10

DATE	TIME	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	IODIDE, DISSOLVED (MG/L AS I) (71865)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	BORON, DISSOLVED (UG/L AS B) (01020)	BROMIDE DISSOLVED (MG/L AS BR) (71870)
AUG , 1983											
03...	0730	.20	32	327	330	1300	280	<.010	<4	20	.12

WELL NO. 173 LOCAL NO. 04N02W27DCC1 SITE ID 345535091113901 OWNER - CASE EQUIPMENT CO.
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)	CARBONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)
MAY , 1975										
29...	1000	6	200.00	17.0	710	7.4	302	370	0	23
JUL , 1976										
08...	—	6	200.00	18.0	695	7.4	—	—	—	—

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION RATIO (00931)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	IRON, DISSOLVED (UG/L AS FE) (01046)
MAY , 1975										
29...	1000	320	17	83	27	24	.6	50	401	1200
JUL , 1976										
08...	—	—	—	—	—	—	—	58	—	—

WELL NO. 174 LOCAL NO. 04N02W28CCD1 SITE ID 345540091130801 OWNER - WAYNE ROEDIGER
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLING DEPTH (FEET) (00003)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)	CARBONATE FET-FLD (MG/L AS CO3) (00445)
JUN , 1975											
11...	—	6	196.00	85.00	85.0	18.0	1770	7.3	348	420	0
JUL											
25...	—	6	196.00	85.00	—	—	1580	7.7	249	300	0
JUL , 1976											
08...	—	6	196.00	85.00	—	—	—	—	—	—	—
08...	1600	6	196.00	85.00	—	—	—	—	—	—	—
AUG											
04...	—	6	196.00	85.00	—	—	—	—	—	—	—

DATE	TIME	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION RATIO (00931)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	IRON, DISSOLVED (UG/L AS FE) (01046)
JUN , 1975											
11...	—	34	270	0	65	25	240	7	320	864	4100
JUL											
25...	—	9.6	—	—	—	—	—	—	330	—	—
AUG , 1976											
04...	—	—	—	—	—	—	—	—	450	—	—

WELL NO. 175 LOCAL NO. 04N02W28DCD1 SITE ID 345536091124201 OWNER - WAYNE ROEDIGER
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)
MAY , 1975									
19...	—	6	193.00	85.00	—	—	—	15	—
20...	—	6	193.00	85.00	—	1220	7.5	130	790
20...	1030	6	193.00	85.00	—	—	—	—	790
29...	—	6	193.00	85.00	—	1120	—	150	730
JUN									
05...	—	6	193.00	85.00	17.0	1100	—	160	720
05...	1245	6	193.00	85.00	17.0	—	—	—	720
JUL , 1976									
06...	—	6	193.00	85.00	17.5	1340	7.3	240	—
AUG									
04...	—	6	193.00	85.00	—	1460	—	—	—
SEP									
09...	—	6	193.00	85.00	17.5	1460	—	—	—
JUL , 1977									
19...	—	6	193.00	85.00	—	1550	—	—	—
AUG									
03...	—	6	193.00	85.00	—	1410	—	—	—

WELL NO. 176 LOCAL NO. 04N02W28DDB1 SITE ID 345547091122901 OWNER - WAYNE ROEDIGER
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	SAMPLING DEPTH (FEET) (00003)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)	CARBONATE FET-FLD (MG/L AS CO3) (00445)
JUN , 1975										
05...	1000	6	193.00	85.0	17.5	2530	7.4	313	380	0
JUL , 1976										
06...	--	6	193.00	--	17.5	2870	7.4	--	--	--
AUG										
03...	--	6	193.00	--	17.5	3200	7.1	--	--	--
JUN , 1983										
13...	1335	6	193.00	--	17.0	3180	--	--	--	--

DATE	TIME	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION RATIO (00931)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	IRON, DISSOLVED (UG/L AS FE) (01046)
JUN , 1975										
05...	1000	24	510	200	140	39	340	7	570	7800
JUL , 1976										
06...	--	--	--	--	--	--	--	--	740	--
AUG										
03...	--	--	--	--	--	--	--	--	810	--
JUN , 1983										
13...	1335	--	--	--	--	--	--	--	790	--

WELL NO. 177 LOCAL NO. 04N02W28DDD1 SITE ID 345535091122101 OWNER - WAYNE ROEDIGER
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLING DEPTH (FEET) (00003)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)
OCT , 1949										
06...	--	6	192.00	130	--	--	358	--	154	190
AUG , 1953										
24...	--	6	192.00	130	--	17.0	528	7.5	277	340
MAY , 1975										
20...	--	6	192.00	130	120	18.5	2740	7.2	310	380
29...	--	6	192.00	130	--	--	2520	--	--	--
JUL										
27...	0930	6	192.00	130	--	17.0	3340	7.0	--	--
27...	0935	6	192.00	130	--	17.0	3150	7.0	--	--
27...	0945	6	192.00	130	--	17.0	3100	7.0	--	--
27...	1000	6	192.00	130	--	17.0	3000	7.0	--	--
27...	1030	6	192.00	130	--	17.0	2970	6.9	--	--
27...	1130	6	192.00	130	--	17.0	2940	7.0	--	--
27...	1330	6	192.00	130	--	17.0	2880	7.0	--	--
27...	1830	6	192.00	130	--	17.0	2750	7.0	--	--
28...	0830	6	192.00	130	--	17.0	2680	--	--	--
OCT										
16...	0845	6	192.00	130	--	17.5	3720	6.9	--	--
16...	0930	6	192.00	130	--	17.5	3580	7.0	--	--
16...	1030	6	192.00	130	--	17.5	3410	7.1	--	--
16...	1130	6	192.00	130	--	17.5	3270	7.1	--	--
16...	1230	6	192.00	130	--	17.5	3200	7.1	--	--
16...	1330	6	192.00	130	--	17.5	3150	7.1	--	--
16...	1430	6	192.00	130	--	17.5	3100	7.1	--	--
JUL , 1976										
06...	--	6	192.00	130	--	17.5	2450	7.2	--	--
AUG										
03...	--	6	192.00	130	--	17.5	2460	7.3	--	--
SEP										
09...	--	6	192.00	130	--	--	2460	--	--	--
AUG , 1977										
03...	--	6	192.00	130	--	--	3180	--	--	--
SEP , 1982										
03...	--	6	192.00	130	--	17.5	3450	--	--	--
JUN , 1983										
13...	1335	6	192.00	130	--	17.0	3180	--	--	--
AUG										
03...	0900	6	192.00	130	--	17.5	2920	7.1	430	460

DATE	TIME	CARBONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)
OCT , 1949										
06...	--	12	--	130	0	--	--	--	--	--
AUG , 1953										
24...	--	0	17	260	0	63	24	--	--	--
MAY , 1975										
20...	--	0	38	480	180	120	45	290	--	6
AUG , 1983										
03...	0900	0	58	460	27	130	32	410	66	9

WELL NO. 177 LOCAL NO. 04N02W28DDD1 SITE ID 345535091122101 OWNER - WAYNE ROEDIGER
ALLUVIAL AQUIFER - CONTINUED

DATE	TIME	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)
OCT , 1949									
06...	--	--	22	3.0	.63	--	--	--	--
AUG , 1953									
24...	--	--	19	4.0	.29	--	--	--	--
MAY , 1975									
20...	--	--	650	--	--	--	--	--	2350
29...	--	--	630	--	--	--	--	--	--
OCT									
16...	0845	--	830	--	--	--	--	--	--
16...	0930	--	780	--	--	--	--	--	--
16...	1030	--	740	--	--	--	--	--	--
16...	1130	--	710	--	--	--	--	--	--
16...	1230	--	680	--	--	--	--	--	--
16...	1330	--	660	--	--	--	--	--	--
16...	1430	--	650	--	--	--	--	--	--
JUL , 1976									
06...	--	--	650	--	--	--	--	--	--
AUG									
03...	--	--	570	--	--	--	--	--	--
SEP , 1982									
03...	--	--	800	--	--	--	--	--	--
JUN , 1983									
13...	1335	--	790	--	--	--	--	--	--
AUG									
03...	0900	6.9	700	3.8	--	<.10	.20	28	1610

DATE	TIME	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	IODIDE, DISSOLVED (MG/L AS I) (71865)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	BORON, DISSOLVED (UG/L AS B) (01020)	BROMIDE DISSOLVED (MG/L AS BR) (71870)
OCT , 1949									
06...	--	--	--	550	--	--	--	--	--
AUG , 1953									
24...	--	--	--	20	--	--	--	--	--
MAY , 1975									
20...	--	--	<10	--	--	--	--	--	--
AUG , 1983									
03...	0900	1500	2500	--	450	.200	10	1200	3.8

WELL NO. 178 LOCAL NO. 04N02W28DDD2 SITE ID 345535091122102 OWNER - WAYNE ROEDIGER
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLING DEPTH (FEET) (00003)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)	CARBONATE FET-FLD (MG/L AS CO3) (00445)
MAY , 1975											
20...	—	6	191.00	85.00	85.0	18.0	1280	7.8	325	400	0
29...	—	6	191.00	85.00	--	--	1250	--	--	--	--
JUL											
27...	0931	6	191.00	85.00	—	17.0	855	7.2	—	—	—
27...	0935	6	191.00	85.00	—	17.0	852	7.2	—	—	—
27...	0945	6	191.00	85.00	—	17.0	935	7.2	—	—	—
27...	1000	6	191.00	85.00	—	17.0	1100	7.1	—	—	—
27...	1030	6	191.00	85.00	—	17.0	1080	7.1	—	—	—
27...	1130	6	191.00	85.00	—	17.0	1080	7.1	—	—	—
27...	1330	6	191.00	85.00	—	17.5	1110	7.2	—	—	—
27...	1830	6	191.00	85.00	—	17.5	1170	7.1	—	—	—
28...	0830	6	191.00	85.00	—	17.0	1250	—	—	—	—
OCT											
16...	1330	6	191.00	85.00	—	17.5	1040	7.3	—	—	—
16...	1430	6	191.00	85.00	—	17.5	1010	7.4	—	—	—
JUL , 1976											
06...	—	6	191.00	85.00	—	17.5	1150	7.1	—	—	—
AUG											
03...	—	6	191.00	85.00	—	17.5	1120	7.1	—	—	—
SEP , 1982											
03...	—	6	191.00	85.00	—	18.0	1580	—	—	—	—
JUN , 1983											
13...	1330	6	191.00	85.00	—	17.0	1800	—	—	—	—

DATE	TIME	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION RATIO (00931)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	IRON, DISSOLVED (UG/L AS FE) (01046)
MAY , 1975											
20...	—	10	460	130	120	38	81	2	190	659	2700
OCT											
16...	1330	—	--	--	--	--	--	--	72	—	--
16...	1430	—	—	—	—	—	—	—	94	—	—
JUL , 1976											
06...	—	—	—	—	—	—	—	—	170	—	—
SEP , 1982											
03...	—	—	—	—	—	—	—	—	280	—	—
JUN , 1983											
13...	1330	—	--	—	--	—	—	—	330	--	--

WELL NO. 179 LOCAL NO. 04N02W28DDD3 SITE ID 345535091122103 OWNER - WAYNE ROEDIGER
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)	CARBONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	HARDNESS (MG/L AS CACO3) (00900)
FEB , 1984											
03...	—	6	192.00	137	--	--	--	--	--	--	--
23...	1645	6	192.00	137	18.0	3290	7.5	180	0	8.9	460

WELL NO. 179 LOCAL NO. 04N02W28DDD3 SITE ID 345535091122103 OWNER - WAYNE ROEDIGER
ALLUVIAL AQUIFER - CONTINUED

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	GEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
FEB , 1984											
23...	1645	320	130	33	550	72	12	7.6	960	.2	.10

DATE	TIME	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	IODIDE, DISSOLVED (MG/L AS I) (71865)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	BORON, DISSOLVED (UG/L AS B) (01020)	BROMIDE DISSOLVED (MG/L AS BR) (71870)
FEB , 1984											
23...	1645	.20	26	1980	1800	2600	400	.200	20	1900	7.2

WELL NO. 180 LOCAL NO. 04N02W29DBA1 SITE ID 345558091134101 OWNER - DR. MCGRAW
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (GPM) (00058)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	COLOR (PLATINUM-COBALT UNITS) (00080)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)
AUG , 1974											
07...	—	6	—	--	255	18.0	2750	7.4	3	381	470
JUL , 1975											
01...	—	6	193.00	128	—	—	1680	7.7	—	390	480
OCT											
01...	0930	6	193.00	128	—	18.0	2780	7.6	—	330	400

DATE	TIME	CARBONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
AUG , 1974											
07...	—	0	29	130	0	35	9.3	530	90	21	7.3
JUL , 1975											
01...	—	0	15	—	—	—	—	—	—	—	—
OCT											
01...	0930	0	16	—	—	—	—	—	—	—	—

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
AUG , 1974											
07...	—	660	4.8	.02	.280	.90	21	1500	1500	1700	70
JUL , 1975											
01...	—	270	—	--	--	--	—	--	--	--	—
OCT											
01...	0930	700	—	--	--	--	--	--	--	—	—

WELL NO. 181 LOCAL NO. 04N02W30ACA1 SITE ID 345609091144701
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
29...	1200	6	184.00	17.0	160	4.5

WELL NO. 182 LOCAL NO. 04N02W30BAC2 SITE ID 345618091150902 OWNER - CITY OF BRINKLEY NO. 10
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)
SEP , 1983									
07...	0930	6	180.00	140	17.0	202	6.6	85	100

DATE	TIME	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
SEP , 1983									
07...	0930	0	40	68	0	17	6.1	6.0	16

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
SEP , 1983									
07...	0930	.3	1.4	4.3	15	<.10	.10	38	136

DATE	TIME	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	IODIDE, DIS-SOLVED (MG/L AS I) (71865)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	BORON, DIS-SOLVED (UG/L AS B) (01020)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)
SEP , 1983								
07...	0930	140	4600	520	.004	<4	<20	.04

WELL NO. 183 LOCAL NO. 04N02W30BDA1 SITE ID 345612091150001 OWNER - JAMES C. TRICE
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (GPM) (00058)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)
JUL , 1961										
14...	—	6	185.00	100	650	17.0	165	7.4	5	69

DATE	TIME	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
JUL , 1961										
14...	—	84	0	5.3	66	0	16	6.3	5.6	15

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
JUL , 1961										
14...	—	.3	1.2	2.0	7.6	.16	127	86	5400	550

WELL NO. 184 LOCAL NO. 04N02W32ADA1 SITE ID 345519091132901 OWNER - LLOYD BREWER NO. 1
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
SEP , 1982							
03...	—	6	193.00	140	18.0	2200	580

WELL NO. 185 LOCAL NO. 04N02W32DAD1 SITE ID 345502091062401 OWNER - LLOYD BREWER NO. 2
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
SEP , 1982						
03...	—	6	192.00	18.0	1840	160
JUN , 1983						
21...	1230	6	192.00	—	1470	220

WELL NO. 186 LOCAL NO. 04N02W33ADC1 SITE ID 345509091122801 OWNER - BUDDY FITTS NO. 2
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)
AUG , 1977											
03...	1030	6	192.00	18.0	700	—	—	—	—	—	290
JUN , 1983											
13...	1530	6	192.00	17.0	730	—	—	—	—	—	—
AUG											
03...	1030	6	192.00	17.5	720	7.3	360	400	0	32	310

DATE	TIME	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
AUG , 1977											
03...	1030	—	79	22	27	—	.7	—	26	—	—
JUN , 1983											
13...	1530	—	—	—	—	—	—	—	34	—	—
AUG											
03...	1030	0	85	24	31	18	.8	1.6	38	5.2	.65

DATE	TIME	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	IODIDE, DIS-SOLVED (MG/L AS I) (71865)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	BORON, DIS-SOLVED (UG/L AS B) (01020)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)
AUG , 1977											
03...	1030	—	—	379	—	—	—	—	—	—	—
AUG , 1983											
03...	1030	.20	34	407	420	2000	360	.010	7	80	.25

WELL NO. 187 LOCAL NO. 04N02W33DDC1 SITE ID 345446091123101 OWNER - BUDDY FITTS NO. 1
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUN , 1983						
13...	1515	6	190.00	17.0	770	47

WELL NO. 188 LOCAL NO. 04N02W34ACD1 SITE ID 345510091113701
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)
JUN , 1975									
26...	1015	6	205.00	692	7.4	322	390	0	25

WELL NO. 189 LOCAL NO. 04N02W34ACD2 SITE ID 345510091113702
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)
JUN , 1975									
23...	1015	6	205.00	702	7.6	328	400	0	16
26...	1015	6	205.00	702	--	--	--	--	--

WELL NO. 190 LOCAL NO. 04N02W34BAA1 SITE ID 345531091115201 OWNER - WAYNE KELLER
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
FEB , 1984						
23...	1730	6	193.00	47.00	1060	150

WELL NO. 191 LOCAL NO. 04N02W34CDB1 SITE ID 345451091120101 OWNER - BILL HENARD
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
SEP , 1982						
10...	--	6	206.00	17.0	700	20
JUN , 1983						
13...	1500	6	206.00	17.0	745	32

WELL NO. 192 LOCAL NO. 04N02W35ABB1 SITE ID 345530091103701 OWNER - JOHNNY BELCHER, JR.
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
SEP , 1982						
09...	—	6	192.00	17.0	665	55
JUN , 1983						
13...	1145	6	192.00	17.0	820	34

WELL NO. 193 LOCAL NO. 04N02W35BBB1 SITE ID 345531091111301 OWNER - KIRK FILES NO. 2
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
SEP , 1982						
09...	—	6	195.00	17.0	560	42

WELL NO. 194 LOCAL NO. 04N02W35CBC1 SITE ID 345456091111501 OWNER - GEORGE GIBBS
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)
JUL , 1952									
11...	—	6	196.00	122	17.0	442	8.4	240	12
09...	—	6	196.00	122	17.0	658	7.4	410	0
AUG									
24...	—	6	196.00	122	17.0	655	7.3	410	0

DATE	TIME	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)
JUL , 1952									
11...	—	1.5	250	35	—	—	20	6.0	1700
09...	—	26	320	0	92	23	20	17	2100
AUG									
24...	—	33	330	0	130	1.4	21	13	1800

WELL NO. 195 LOCAL NO. 04N02W36ABD1 SITE ID 345518091092301 OWNER - JOHNNY BELCHER, JR.
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUN , 1983						
13...	1225	6	193.00	17.0	815	36

WELL NO. 196 LOCAL NO. 04N02W36DAB1 SITE ID 345459091091701 OWNER - DODSON JONES
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	FLOW RATE (GPM) (00058)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)
JUL , 1974											
23...	0815	6	1040	17.0	834	7.1	3	390	480	0	60

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1974										
23...	0815	390	0	100	33	25	12	.6	1.8	39

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
JUL , 1974										
23...	0815	10	.36	.400	.20	34	473	480	2700	1000

WELL NO. 197 LOCAL NO. 04N03W13DAA1 SITE ID 345742091153201
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1983						
12...	1225	6	192.00	17.0	125	7.2

WELL NO. 198 LOCAL NO. 04N03W25AAA1 SITE ID 345627091153401 OWNER - CARTER CO.
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1983						
12...	1305	6	186.00	17.0	190	7.5

WELL NO. 199 LOCAL NO. 04N03W36ABB1 SITE ID 345533091160201 OWNER - CARTER CO.
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1983						
12...	1405	6	182.00	17.0	200	8.2

WELL NO. 200 LOCAL NO. 04N03W36BAB1 SITE ID 345533091161901
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
29...	1200	6	180.00	17.0	220	4.9

WELL NO. 201 LOCAL NO. 04N03W36BBD1 SITE ID 345526091162101 OWNER - CARTER CO.
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG , 1983						
12...	1405	6	180.00	17.0	285	8.4

WELL NO. 202 LOCAL NO. 05N02W34ACA1 SITE ID 350050091113101
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
29...	1200	6	197.00	18.0	450	9.0

WELL NO. 203 LOCAL NO. 05N02W35ABC1 SITE ID 350050091104201
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL , 1983						
29...	1200	6	195.00	17.5	410	6.7

WELL NO. 204 LOCAL NO. 05N03W34DBA1 SITE ID 350046091175401 OWNER - R. OVERHOLT
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	HARD-NESS (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)
JUL , 1955											
22...	--	6	192.00	86.00	137	6.8	61	15	5.7	5.5	.3

WELL NO. 205 LOCAL NO. 05N03W34DDC1 SITE ID 350022091175101 OWNER - COOPER'S FLYING SERVICE
ALLUVIAL AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (GPM) (00058)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)
JUL , 1961										
14...	--	6	190.00	67.00	75	16.0	348	7.6	3	108

DATE	TIME	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
JUL , 1961										
14...	--	130	0	5.3	110	5	27	11	13	20

WELL NO. 205 LOCAL NO. 05N03W34DDC1 SITE ID 350022091175101 OWNER - COOPER'S FLYING SERVICE
ALLUVIAL AQUIFER - CONTINUED

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
JUL , 1961										
14...	—	.5	2.8	3.5	17	12	247	220	0	10

WELL NO. 206 LOCAL NO. 03N02W10DBB2 SITE ID 345315091114502 OWNER - CITY OF BRINKLEY
COCKFIELD AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	COLOR (PLATINUM-COBALT UNITS) (00080)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)
AUG , 1952										
13...	—	6	207.00	250	18.0	799	8.1	—	235	290
09...	—	6	207.00	250	—	1040	7.5	—	410	500
09...	—	6	207.00	250	18.0	1030	7.4	5	397	480

DATE	TIME	CARBONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)
AUG , 1952										
13...	—	0	3.6	330	93	—	—	—	—	—
09...	—	0	25	440	30	120	32	—	—	--
09...	—	0	31	440	43	130	31	58	22	1

DATE	TIME	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)
AUG , 1952										
13...	—	—	98	34	.68	—	—	--	—	4100
09...	—	—	94	40	.50	--	--	—	—	3600
09...	—	5.2	82	44	.32	.30	18	617	600	2700

WELL NO. 207 LOCAL NO. 03N02W10DBC4 SITE ID 345314091114701 OWNER - CITY OF BRINKLEY NO. 4
COCKFIELD AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)
OCT , 1949									
06...	—	6	205.00	238	957	—	404	490	0
24...	—	6	205.00	238	761	8.2	282	340	0
FEB									
04...	—	6	205.00	238	842	8.1	327	400	0

DATE	TIME	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)
OCT , 1949								
06...	—	—	310	0	68	22	.18	670
24...	—	3.4	300	15	68	44	.66	3500
FEB								
04...	—	5.0	340	17	70	30	.68	6300

WELL NO. 208 LOCAL NO. 01N03W22BAC1 SITE ID 344127091184401 OWNER - CITY OF CLARENDON
SPARTA AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)
JUL , 1946									
17...	—	6	170.00	678	676	7.5	260	0	13

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
JUL , 1946									
17...	—	67	0	18	5.4	120	79	7	4.8

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)
JUL , 1946									
17...	—	89	1.5	.00	11	379	380	1200	600

WELL NO. 209 LOCAL NO. 01N03W22BAC2 SITE ID 344126091184301 OWNER - CITY OF CLARENDON
SPARTA AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)
DEC , 1949											
07...	—	0	170.00	687	—	—	—	—	—	—	—
09...	—	0	—	—	20.5	—	—	—	—	—	—
09...	—	6	—	—	205	677	7.5	5	212	260	0

DATE	TIME	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
DEC , 1949										
09...	—	13	67	0	21	3.5	120	77	7	8.9

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)
DEC , 1949										
07...	—	—	—	—	—	—	—	—	—	500
09...		86	5.0	.18	.40	4.3	389	380	—	770

WELL NO. 210 LOCAL NO. 03N02W10DBB1 SITE ID 345315091114501 OWNER - CITY OF BRINKLEY NO. 5
SPARTA AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)
OCT , 1949										
06...	—	6	205.00	390	—	1410	—	404	490	0
24...	—	6	205.00	390	18.0	2930	7.4	399	490	0

DATE	TIME	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
OCT , 1949										
06...	—	—	250	0	—	—	—	—	—	—
24...	—	31	200	0	52	16	660	87	21	10

WELL NO. 210 LOCAL NO. 03N02W10DBB1 SITE ID 345315091114501 OWNER - CITY OF BRINKLEY NO. 5
SPARTA AQUIFER - CONTINUED

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)
OCT , 1949										
06...	—	220	8.0	.18	—	—	—	—	17000	—
24...	—	850	7.4	.32	.10	15	1810	1900	290	700

WELL NO. 211 LOCAL NO. 03N02W10DBC3 SITE ID 345313091114601 OWNER - CITY OF BRINKLEY NO. 3
SPARTA AQUIFER

DATE	TIME	MEDIUM	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)	CARBONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	HARDNESS (MG/L AS CACO3) (00900)
MAR , 1950										
08...	—	6	19.0	1840	7.5	377	460	0	23	130

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAR , 1950									
08...	—	0	35	10	400	86	16	5.0	410

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)
MAR , 1950									
08...	—	11	.20	.30	15	1090	1100	360	0

WELL NO. 212 LOCAL NO. 03N02W12CBC1 SITE ID 345313091101401 OWNER - USGS
SPARTA AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	COLOR (PLATINUM-COBALT UNITS) (00080)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)
MAR , 1961										
15...	0824	6	186.00	420	19.0	1810	7.7	7	--	420
15...	1210	6	186.00	420	19.0	1820	--	--	--	--
15...	1700	6	186.00	420	19.0	1920	--	--	--	--
15...	2150	6	186.00	420	19.0	1950	--	--	--	--
16...	--	6	--	--	19.0	2040	7.3	17	354	430
16...	0600	6	186.00	420	19.0	2010	--	--	--	--
OCT , 1982										
13...	--	6	186.00	420	18.5	1950	--	--	--	--
SEP , 1983										
08...	1145	6	186.00	420	19.0	1710	7.3	--	310	360

DATE	TIME	CARBONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
MAR , 1961									
15...	0824	0	13	160	0	43	12	330	82
16...	--	0	34	160	0	43	13	370	82
SEP , 1983									
08...	1145	0	29	150	0	42	11	290	80

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)
MAR , 1961									
15...	0824	12	6.3	380	.0	--	--	.60	8.6
15...	1210	--	--	400	--	--	--	--	--
15...	1700	--	--	410	--	--	--	--	--
15...	2150	--	--	430	--	--	--	--	--
16...	--	13	7.1	440	.0	.25	--	.60	7.3
16...	0600	--	--	430	--	--	--	--	--
OCT , 1982									
13...	--	--	--	460	--	--	--	--	--
SEP , 1983									
08...	1145	11	4.7	380	1.8	--	<.10	.30	10

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	IODIDE, DISSOLVED (MG/L AS I) (71865)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	BORON, DISSOLVED (UG/L AS B) (01020)	BROMIDE DISSOLVED (MG/L AS BR) (71870)
MAR , 1961									
15...	0824	1110	990	40	--	--	--	--	--
16...	--	1220	1100	70	--	--	--	--	--
SEP , 1983									
08...	1145	952	920	2800	180	.120	21	960	2.0

WELL NO. 213 LOCAL NO. 04N02W28DDD4 SITE ID 345535091122104 OWNER - WAYNE ROEDIGER
SPARTA AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)
FEB , 1984										
23...	1630	6	192.00	408	18.0	3720	7.0	75	320	0

DATE	TIME	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
FEB , 1984										
23...	1630	87	25	700	82	18	6.7	1100	<.2	.11

DATE	TIME	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	IODIDE, DIS-SOLVED (MG/L AS I) (71865)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	BORON, DIS-SOLVED (UG/L AS B) (01020)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)
FEB , 1984										
23...	1630	.20	13	2250	800	140	.240	60	1500	8.2

WELL NO. 214 LOCAL NO. 04N02W30BAC1 SITE ID 345618091150901 OWNER - CITY OF BRINKLEY NO. 8
SPARTA AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH (STAND-ARD UNITS) (00400)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)
SEP , 1983									
07...	1645	6	180.00	345	18.0	425	7.8	180	220

DATE	TIME	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
SEP , 1983									
07...	1645	0	5.5	3	0	.82	.17	91	98

WELL NO. 214 LOCAL NO. 04N02W30BAC1 SITE ID 345618091150901 OWNER - CITY OF BRINKLEY NO. 8
SPARTA AQUIFER - CONTINUED

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)
SEP , 1983									
07...	1645	25	1.1	22	3.2	<.10	.50	16	265

DATE	TIME	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	IODIDE, DISSOLVED (MG/L AS I) (71865)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	BORON, DISSOLVED (UG/L AS B) (01020)	BROMIDE DISSOLVED (MG/L AS BR) (71870)
SEP , 1983								
07...	1645	240	140	22	.002	<4	550	.27

WELL NO. 215 LOCAL NO. 05N02W31DCB1 SITE ID 350028091145601 OWNER - CITY OF COTTON PLANT
MEMPHIS AQUIFER

DATE	TIME	MEDIUM	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)	CARBONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)
MAY , 1946										
16...	--	6	--	--	229	7.4	118	140	0	9.1
25...	--	6	193.00	250	224	8.4	121	140	4	.9

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAY , 1946										
16...	--	100	0	27	7.9	8.7	16	.4	2.4	1.8
25...	--	110	0	--	--	--	--	--	--	1.8

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)
MAY , 1946										
16...	--	.5	.23	.00	28	152	150	200	640	400
25...	--	1.0	.05	--	--	--	--	160	830	--

WELL NO. 216 LOCAL NO. 05N02W31DCB2 SITE ID 350028091145401 OWNER - CITY OF COTTON PLANT
MEMPHIS AQUIFER

DATE	TIME	MEDIUM	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD UNITS) (00400)	COLOR (PLATINUM-COBALT UNITS) (00080)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)	CARBONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)
MAR , 1956										
08...	—	6	17.0	232	7.5	5	120	150	0	7.3
10...	—	6	20.0	239	7.8	0	125	150	0	3.8

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAR , 1956										
08...	—	100	0	30	7.3	9.0	16	.4	1.3	2.5
10...	—	120	0	25	13	7.6	12	.3	1.2	4.5

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
MAR , 1956										
08...	—	.8	.20	.30	6.3	151	130	0	770	—
10...	—	.0	.20	.30	19	154	150	460	—	20

WELL NO. 217 LOCAL NO. 04N02W34ACD3 SITE ID 345510091113703 OWNER - J. P. SMITH
NACATOCH AQUIFER

DATE	TIME	MEDIUM	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH (STANDARD NITS) (00400)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	BICARBONATE FET-FLD (MG/L AS HCO3) (00440)	CARBONATE FET-FLD (MG/L AS CO3) (00445)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	HARDNESS (MG/L AS CACO3) (00900)
APR , 1950									
09...	—	6	53000	7.0	41	50	0	7.9	6700

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
APR , 1950									
09...	—	6700	1800	570	11000	78	61	120	22000